JOINT MEETING OF THE
MILPITAS CITY COUNCIL &
MILPITAS HOUSING AUTHORITY

For assistance in the following languages, you may call:
Đối với Việt Nam, gọi 408-586-3122
Para sa Tagalog, tumawag sa 408-586-3051
Para español, llame 408-586-3232

AGENDA

TUESDAY, NOVEMBER 5, 2019
CITY COUNCIL CHAMBERS, 455 E. CALAVERAS BLVD., MILPITAS, CA
5:30 PM (CLOSED SESSION)
7:00 PM (PUBLIC BUSINESS)

CALL JOINT MEETING TO ORDER by Mayor and ROLL CALL by City Clerk

ADJOURN TO CLOSED SESSION

a) **CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**
Pursuant to California Government Code Section 54956.9(d)(1)
County Sanitation District 2-3, West Valley Sanitation District, Burbank Sanitary District, Cupertino Sanitary District, and City of Milpitas v. City of San Jose, City of Santa Clara
Santa Clara County Superior Court Case No. 18CV325480

b) **PUBLIC EMPLOYMENT**
Pursuant to California Government Code Section 54957
Position: City Manager

CLOSED SESSION ANNOUNCEMENT: Report on action taken in Closed Session, if required per Government Code Section 54957.1, including the vote or abstention of each member present

PLEDGE OF ALLEGIANCE

INVOCATION

PRESENTATIONS

- Neighborhood Beautification Awards
- Recognition of Milpitas Star Award Recipients

PUBLIC FORUM

Those in the audience are invited to address City Council on any subject not on tonight's agenda. Speakers must come to the podium, state their name and city of residence for the Clerk's record, and limit spoken remarks to three minutes. As an item not listed on the agenda, no response is required from City staff or the Council and no action can be taken. Council may instruct the City Manager to place the item on a future meeting agenda.

ANNOUNCEMENTS

ANNOUNCEMENT OF CONFLICT OF INTEREST AND CAMPAIGN CONTRIBUTIONS

APPROVAL OF AGENDA

CONSENT CALENDAR

Consent calendar items are considered to be routine and will be considered for adoption by one motion. There will be no separate discussion of these items unless a City Councilmember, audience member or staff requests the Council to remove an item from (or be added to) the consent calendar. Any person desiring to speak on any item on the consent calendar may ask to have that item removed from consent. If removed, the item will be discussed following all scheduled agenda items for discussion.

C1. Receive City Council Calendar of Meetings for November 2019 (Staff Contact: Mary Lavelle, 408-586-3001)

C2. Approve City Council Meeting Minutes of October 8 and 15, 2019 (Staff Contact: Mary Lavelle, 408-586-3001)

Recommendation: Approve draft City Council Meeting Minutes of October 8 and 15, 2019.

C3. Waive the First Reading Beyond the Title and Introduce Ordinance No. 113.25, Adopting by Reference with Certain Local Amendments the 2019 Edition of the California Fire Code (Staff Contact: Albert Zamora, Fire Marshal/Deputy Fire Chief, 408-586-3371)

Recommendations:

1) Following the City Attorney reading aloud the title, waive the first reading beyond the title of Ordinance No. 113.25.
2) Move to introduce Ordinance No. 113.25, to be enacted as Chapter 300, Title V of the Milpitas Municipal Code.
3) Set a public hearing for Tuesday, December 3, 2019 at 7:00 p.m. in the Milpitas City Council Chambers to consider adoption of Ordinance No. 113.25, adopting by reference with certain local amendments the 2019 Edition of the California Fire Code.

C4. Introduce Ordinance No. 65.147 Relating to Code Administration and Adopting by Reference the 2019 California Building Codes with Amendments, and Set a Public Hearing on December 3, 2019 for Adoption of the Ordinance (Staff Contact: Sharon Goei, 408-586-3260)

Recommendations:

1. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.147 amending Chapters 1, 3, 3.5, 4, 5, 6, 7, 10, 13, 14, 150, and 170 of Title II of the Milpitas Municipal Code relating to Code Administration; adopting by reference the 2019 California Building Code, 2019 California Residential Code, 2018 International Property Maintenance Code, 2019 California Mechanical Code, 2019 California Electrical Code, 2019 California Plumbing Code, 2018 International Swimming Pool and Spa Code, 2019 California Existing Building Code, and 2019 California Historical Building Code, with amendments; and amending regulations pertaining to grading, excavation, paving, and erosion control, and gas shut-off devices.

2. Set a public hearing on December 3, 2019, pursuant to California Government Code Section 50022.3, for adoption of the Ordinance.

C5. Waive the Second Reading and Adopt Ordinance No. 38.837 Amending Milpitas Municipal Code Title XI, Chapter 10, Sections 2, 4, 5, 7, and 56 Relating to Assembly and other Nonindustrial Uses in M2 Heavy Industrial Zoning District (Staff Contact: Rozalynne Thompson, 408-586-3278)

Recommendation: Move to waive the second reading and adopt Ordinance No. 38.837 amending Milpitas Municipal Code Title XI, Chapter 10, Sections 2, 4, 5, 7, and 56 relating to assembly and other non-industrial Uses in the M2 Heavy Industrial Zoning District.

C6. Adopt a Resolution Granting Acceptance of Public Improvements and Approving Reduction of Faithful Performance Bond for Public Improvements for the Waterstone Subdivision at 1494 California Circle by Lennar Homes of California, Inc. and Granting Authorization to the City Engineer to Release the Performance Bond After the One-year Warranty Period (Staff Contact: Steve Erickson, 408-586-3301)

Recommendation: Adopt a resolution:

1) Granting acceptance of public improvements for the Waterstone Subdivision at 1494 California Circle, Tract 10270, Public Improvement Plan No. 2-1193; and
2) Approving a reduction in the faithful performance bond to $190,000, which shall be subject to and in effect for the duration of a one-year warranty period; and
3) Granting authorization to the City Engineer to release the performance bond after the one-year warranty period, without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

C7. Adopt a Resolution Granting Acceptance of Public Improvements and Approving Reduction of Faithful Performance Bond for Public Improvements for the Coyote Creek Townhomes Subdivision at 601 Murphy Ranch Road by ORA Murphy Ranch 285 and Grant Authorization to the City Engineer to Release the Performance Bond After 1-year Warranty Period (Staff Contact: Steve Erickson, 408-586-3301)

Recommendation**:** Adopt a resolution:

1) Granting acceptance of public improvements for the Coyote Creek Townhomes Subdivision at 601 Murphy Ranch Road, Tract 10087, Public Improvement Plan No. 2-1151; and
2) Approving a reduction in the faithful performance bond to $30,000, which shall be subject to and in effect for the duration of a one-year warranty period; and
3) Granting authorization to the City Engineer to release the performance bond after the one-year warranty period, without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

C8. Approve Funding Agreement Between the Bay Area Air Quality Management District and the City of Milpitas to Receive Grant Funds in the Amount of $32,000 for Electric Vehicle Charging Stations at City Hall and Public Works Building (Staff Contact: Tony Ndah, Public Works Director, 408-586-2602)

Recommendation**:** Approve funding agreement between the Bay Area Air Quality Management District and the City of Milpitas to receive grant funds in the amount of $32,000 for Electric Vehicle Charging Stations at City Hall and Public Works Building.

C9. Approve and Authorize the Interim City Manager to execute Amendment No. 1 to the Professional Services Agreement with David J. Powers & Associates for the Well Upgrade,

McCandless Well, Project No. 7076 and the Lower Penitencia Creek Pedestrian Bridge, Project No. 2005 (Staff Contact: Steve Erickson, 408-586-3301)

Recommendation: Approve and authorize the Interim City Manager to execute Amendment No. 1 to the Professional Services Agreement with David J. Powers & Associates related to CIP Projects No. 7076 and No. 2005 to increase compensation by $55,000, for a total agreement in the amount of $123,843.

C10. Per recommendation of the Milpitas Arts Commission, move to approve James Dinh's Circle of Time Public Art Design for Higuera Adobe Park (Staff Contact: Renee Lorentzen, 408-586-3409)

Recommendation: Per recommendation of the Milpitas Arts Commission, move to approve James Dinh's Circle of Time Public Art design for Higuera Adobe Park.

C11. Accept the 2019 Bulletproof Vest Partnership Grant and approve a budget appropriation for $18,546.07 into the Milpitas Police Department's operating budget (Staff Contact: Raj Maharaj, 408-586-2416)

Recommendation: Accept the 2019 Bulletproof Vest Partnership Grant and approve a budget appropriation for $18,546.07 into the Milpitas Police Department's operating budget.

C12. Receive a Report on Emergency Repair of Abel Street Water Main and Authorize the Interim City Manager to Execute Contracts with Preston Pipeline and Joseph J. Albanese for the Emergency Repair Work (Staff Contact: Tony Ndah, 408-586-2602)

Recommendations**:**

1) Receive a report from the Public Works Director on the emergency repair work on a water main on Abel Street.
2) Authorize the Interim City Manager to execute two contracts with Preston Pipeline and Joseph J. Albanese, respectively, for the emergency repair of the Abel Street Water Main.

C13. Consider Request from Greater Love Church to Waive City Special Event Permit fees of $932.63 (Staff Contact: Mary Lavelle, 408-586-3001)

Recommendation**:** Per request form received by the City Clerk, move to waive $932.63 for the Special Event Permit fee and automation fee identified by City Planning staff for the Greater Love Church of God in Christ for its car wash fundraising events in October, benefitting those in need in Milpitas with food and clothing.

C14. Approve City Council Meeting Schedule for 2020 (Staff Contact: Mary Lavelle, 408-586-3001)

Recommendation: Move to approve the 2020 Milpitas City Council meeting schedule, with any changes requested at the City Council meeting.

C15. Per recommendation of Mayor Tran, Re-appoint Public Safety and Emergency Services Commissioner to 3-Year Term (Staff Contact: Mary Lavelle, 408-586-3001)

Recommendation: Move to re-appoint Mercedes Albana to her current term of three years on the Public Safety and Emergency Services Commission. Upon re-appointment, her term of service will expire in June of 2020, since the Commissioner was last re-appointed on June 3, 2014 to a three-year term (which already expired in June of 2017). Ms. Albana has continued her service awaiting re-appointment by the Mayor.

C16. **Adopt a City Council Code of Conduct (Staff Contact: Steve McHarris, 408-586-3059)**

Recommendation**:** Adopt a City Council Code of Conduct.

PUBLIC HEARING

17. **Conduct a Public Hearing and Adopt a Resolution Adopting a Mitigated Negative Declaration and Mitigation Monitoring Reporting Program in compliance with the California Environmental Quality Act, and Approving a General Plan Amendment, Planned Unit Development, Site Development Permit, Vesting Tentative Map, and an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing 15% of units on the site as below-market-rate units, to allow development of a residential subdivision with 36 single-family homes and 10 accessory dwelling units on a 4.88-acre site located at 1005 North Park Victoria Drive; and, Introduce Ordinance No. 38.838 to rezone the subject site from the Single-Family Residential (R1-6) Zoning District to the Single-Family Residential (R1-3) Zoning District (Staff Contact: Adrienne Smith, 408-586-3287)**

Recommendations:
1) Conduct a public hearing and move to close the hearing following comments.
2) Adopt a Resolution adopting a Mitigated Negative Declaration and Mitigation Monitoring Program in compliance with the California Environmental Quality Act, and Approving General Plan Amendment (GP18-0001), Planned Unit Development (PD18-0001), Site Development Permit (SD18-0015), Vesting Tentative Map (MT18-0003), and an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing 15% of units on the site as below-market-rate units to allow development of a residential subdivision with 36 single-family homes and 10 accessory dwelling units on a 4.88-acre site located at 1005 North Park Victoria Drive.
3) Following the City Attorney reading aloud the title, move to waive the first reading beyond the title and introduce Ordinance No. 38.838 to rezone the site from the Single-Family Residential (R1-6) Zoning District to the Single-Family Residential (R1-3) Zoning District.

COMMUNITY DEVELOPMENT

18. **Authorize the City Manager to Execute a Measure B Funding Agreement between the City of Milpitas and Santa Clara Valley Transportation Authority for State Route 237 Near Term Improvements Project (Staff Contact: Steve Erickson, 408-586-3301)**

Recommendation: Authorize the City Manager to execute a Funding Agreement between the City and the Santa Clara Valley Transportation Authority for 2016 Measure B State Route 237 near term improvements project.

19. **Introduce Ordinance No. 65.148 Adopting by Reference the 2019 California Energy Code with Amendments; introduce Ordinance No. 65.149 Adopting by Reference the 2019 California Green Building Standards Code with Amendments; and Set a Public Hearing on December 3, 2019 for Adoption of the Ordinances (Staff Contact: Sharon Goei, 408-586-32060)**

Recommendations**:**
1. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.148 amending Chapter 11 of Title II of the Milpitas Municipal Code adopting by reference the 2019 California Energy Code with amendments.
2. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.149 amending Chapter 19 of Title II of the Milpitas Municipal Code adopting by reference the 2019 California Green Building Standards Code with amendments.

3. Set a public hearing on December 3, 2019, pursuant to California Government Code Section 50022.3, for adoption of the Ordinances.

20. HOUSING AUTHORITY:
Consider Adoption of a Housing Authority Resolution Approving and Adopting Bylaws of the City of Milpitas Housing Authority, and Consider Election of Officers for the City of Milpitas Housing Authority (Contacts: Councilmembers Nuñez and Montano, 408-586-3000)

Recommendations:
1) Adopt a Housing Authority Resolution approving and adopting the Bylaws for the City of Milpitas Housing Authority.
2) Following adoption of the Bylaws, elect a Chairperson, Vice Chairperson and Secretary of the Housing Authority by a vote of the Housing Authority Board of Commissioners.

LEADERSHIP AND SUPPORT SERVICES

21. Discuss clarifications related to the scope of the City Council Rules Subcommittee and provide direction to staff on next steps (Staff Contact: Steve McHarris, 408-586-3059)

Recommendation: Discuss the City Council Rules Subcommittee scope document and provide direction to staff to incorporate clarifying language related to the Subcommittee's role in adding items to the agenda.

COMMISSION REPORTS

22. Approve the Milpitas Arts Commission Work Plan for Fiscal Year 2019-20 (Staff Contact: Tegan McLane, 408-586-3212)

Recommendation**:** Approve proposed Arts Commission Fiscal Year 2019-20 Work Plan.

23. Approve the Library and Education Advisory Commission Work Plan for Fiscal Year 2019-20 (Staff Contact: John Macon, 408-586-3226)

Recommendation**:** Approve proposed Library and Education Advisory Commission Fiscal Year 2019-20 Work Plan.

24. Approve the Senior Advisory Commission Work Plan for Fiscal Year 2019-20 (Staff Contact: John Macon, 408-586-3226)

Recommendation: Approve proposed Senior Advisory Commission Fiscal Year 2019-20 Work Plan.

NEXT AGENDA PREVIEW

25. Receive Preview List of Agenda Items for Next City Council meeting on November 19, 2019 (Staff Contact: Mary Lavelle, 408-586-3001)

ADJOURN JOINT MEETING

NEXT REGULAR CITY COUNCIL MEETING
NOVEMBER 19, 2019

KNOW YOUR RIGHTS UNDER THE OPEN GOVERNMENT ORDINANCE

Government's duty is to serve the public, reaching its decisions in full view of the public. Commissions and other agencies of the City exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and the City operations are open to the people's review. For more information on your rights under the Open Government Ordinance or to report a violation, contact the City Attorney's office at Milpitas City Hall, 455 E. Calaveras Blvd., Milpitas, CA 95035
e-mail: cdiaz@ci.milpitas.ca.gov / Phone: 408-586-3040

The Open Government Ordinance is codified in the Milpitas Municipal Code as Title I Chapter 310 and is available online at the City's website www.ci.milpitas.ca.gov by selecting the Milpitas Municipal Code link.

Materials related to an item on this agenda submitted to the City Council after initial distribution of the agenda packet are available for public inspection at the City Clerk's office at Milpitas City Hall, 3rd floor 455 E. Calaveras Blvd, Milpitas and on the City website. City Council agendas and related materials are viewed online here: www.ci.milpitas.ca.gov/government/council/agenda_minutes.asp (select meeting date)

APPLY TO SERVE ON A CITY COMMISSION

Commission application forms are available online at www.ci.milpitas.ca.gov or at Milpitas City Hall. Contact the City Clerk's office at 408-586-3003 for more information.

If you need assistance, per the Americans with Disabilities Act, for any City of Milpitas public meeting, please call the City Clerk at 408-586-3001 or send an e-mail to mlavelle@ci.milpitas.ca.gov prior to the meeting. You may request a larger font agenda or arrange for mobility assistance. For hearing assistance, headsets are available in the City Council Chambers for all meetings.

October 2019

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Milpitas City Council Calendar
November 2019

December 2019

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	**2** **12:00 PM**-Native American Flag Raising Event (Cesar Chavez Plaza)
3	**4** **7:00 PM**-Parks, Recreation & Cultural Resources Commission (AP)	**5** **5:30 PM**-Closed Session **6:30 PM**-Milpitas Star Awardees Recognition (Committee Room) **7:00 PM**-City Council	**6** **1:00 PM**-Santa Clara VTA Monthly Northeast Group (RT) **7:00 PM**-Community Advisory Commission (BN)	**7** **5:30 PM**-Santa Clara VTA Board of Directors (RT) **5:30 PM**-Milpitas Chamber of Commerce Board (CM)	**8** ****2:00 PM**-City Council Finance Subcommittee (RT/CM)* **4:00 PM**-City/School Collaborative Subcommittee (RT/CM) **?:00-**City Council Rules Subcommittee (RT/KD)	**9**
10	**11** **City Hall Closed in Observance of Veterans Day** **9:00 AM**-Veterans Day Ceremony (Veterans Plaza)	**12** **3:00 PM-**City Council Housing Subcommittee (BN/CM) **5:30 PM-**City Council Study Session @ Senior Center (Rm 140/141)	**13** **6:00 PM**-Project Sentinel Drop-In Clinic (Committee Conf Room) **7:00 PM**-Planning Commission **7:00 PM**-Silicon Valley Clean Energy Board of Directors (CM) (Cupertino)	**14** **4:00 PM**-Santa Clara VTA Policy Advisory Committee (KD) **4:00 PM**-Treatment Plant Advisory Committee (CM) (San Jose) **4:30 PM**-City Council Transportation Subcommittee (RT/CM) **7:00 PM**-Cities Assoc of SCC (CM) **7:00 PM**-Youth Advisory Commission (AP)	**15** **2:00 PM-**VTA Safety, Security, Transit Plng & Ops Committee (RT)	**16** **11:30 AM-**Veterans Appreciation Luncheon (Auditorium)
17	**18** **4:30 PM**-Economic Development and Trade Commission (KD) **7:00 PM**-Science, Technology, and Innovation Commission (BN) **7:00 PM**-Library and Education Commission @Library (CM)	**19** **5:30 PM**-Closed Session **7:00 PM**-City Council	**20** **6:00 PM**-Energy and Environmental Sustainability Commission (BN)	**21** **1:00 PM**-Terrace Gardens Board of Directors (BN) **6:30 PM**-Bay Area Water Supply Conserv Agency (CM) **7:00 PM**-Public Safety and Emergency Preparedness Commission (KD)	**22** **12:30 PM**-VTA Capital Program Committee (RT) **2:00 PM**-VTA Safety, Security, and Transit & Operations (RT) **?:00-**City Council Rules Subcommittee (RT/KD)	**23**
24	**25** **7:00 PM**-Arts Commission (CM)	**26**	**27**	**28** **City Hall Closed for Thanksgiving Holiday**	**29**	**30**

****Finance Subcommittee will meet only as needed***

Updated 10/31/2019

Draft **MEETING MINUTES**
CITY OF MILPITAS

Minutes of:	**Special Meeting of Milpitas City Council**
Date:	**Tuesday, October 8, 2019**
Time:	**5:30 PM**
Location:	**Barbara Lee Senior Center, Rooms 140/141, 40 N. Milpitas Blvd., Milpitas**

CALL TO ORDER SPECIAL MEETING

Mayor Tran called the special meeting to order at 5:40 PM. City Clerk Mary Lavelle called the roll. All present said the pledge of allegiance to the flag.

PRESENT: Mayor Tran, Vice Mayor Dominguez, Councilmembers Montano and Nuñez

ABSENT: Councilmember Phan was absent at roll call. He arrived at 5:42 PM.

Also present were consultants from DeNovo Planning Group, Ben Richie and William Crenshaw.

PUBLIC FORUM

Rob Means, resident, commented on the Rules Subcommittee which did not have a quorum last time. He believed this was slowing down government.

Voltaire Montemayor, resident, attended a meeting on BART and bicyles which was very interesting.

Anand Nandakumar, CEO of Urbo, said he was super excited about a possible shuttle program in Milpitas and would love to work with the city on its "last mile" problem, in order to accommodate public transit. He inquired how he might work on a pilot program.

Huascar Castro, from Silicon Valley at Home, read aloud comments on housing in opportunity areas in the General Plan for residential development with increased density. Specifically regarding Opportunity Area 12 on Calaveras Blvd., he urged the City to increase housing there.

Councilmember Nuñez asked the consultant to address comments when the Council got to those areas mentioned by speakers.

AGENDA ITEMS

1. Update on Land Use Maps for the Updated General Plan

Planning Director Ned Thomas introduced Ben Richie from the consulting firm DeNovo to discuss the update to the City's General Plan, with attention to specific preferred land use maps.

Mr. Thomas referred to the last City Council meeting in May when General Plan opportunity areas were reviewed. Staff had been working with the consultant on those. At this meeting, staff and the City Council would look at revised maps based on comments that Council provided last time and the Preferred Land Use Map (draft) would be identified at this meeting.

Ben Richie and William Crenshaw from DeNovo Consulting next gave background on what took place to date. California Circle would be the main area for focus and discussion at this meeting. Council would be asked to "bless" or endorse one map, but not give final approval. That would allow DeNovo to proceed with technical analyses required for the General Plan preparation.

The consultant explained one change: on the Neighborhood Commercial Mixed Use – land use proposed for the Sunnyhills Commercial Center, with no boundary around any residential land.

Mayor Tran expressed his goal to support mixed use development in Milpitas and was concerned about past action taken in the Town Center zoning, which prohibited housing in that retail/ commercial area. Councilmember Phan agreed.

For the California Circle area, a map with current land use designations was displayed. Proposed as the consultant described was: to retain some industrial, limit new housing, add commercial and hotel use, find traffic and entry solutions, and add amenities to the area including trails/open space. He described the possibility for a potential future Specific Plan for California Circle area (showed on overlay).

Mayor Tran inquired about a park in the area. Support for 100% affordable housing was stated, in this area, which he urged allowing in California Circle.

Councilmember Nuñez was not keen on a Specific Plan just for California Circle, since he wanted to see action. He did not see having 100% affordable housing, rather it needed to be blended in. Mixed use with housing, he did support.

Councilmember Phan felt if one area was designated 100% affordable, it doesn't matter if it was subdivided and blended in. Overall, he wanted development so long as there was an increased affordable housing component.

Consultant Mr. Richie asked if multi-family housing with an affordable component was important to Council? By consensus, the answer was yes. He pointed to the lower segment of land use map on display.

Mr. Thomas suggested the city could extend Abbott Avenue to allow for housing next to the Holiday Inn Hotel area. This might allow for another way in and out of the California Circle neighborhood, since there was just one way in currently. Maybe a "corridor plan" or something a little less than a Specific Plan could be proposed, and include a policy statement about affordable housing in it. In reply to Mr. Nuñez, the map could include the upper left side (gray square) in the California Circle and designate it as open space (as now).

Councilmember Montano would like a theatre at the location where the BAPS temple was located, in the future.

Mayor Tran commented that any residential should be mixed use, with commercial on the first floor, to protect the City's tax base.

Councilmember Nuñez inquired about height limitations on mixed use buildings. Staff replied there was no limit, and could be written as desired.

Councilmember Phan recommended to include a density bonus to incentivize, then he would support the mixed use idea.

Mayor Tran wanted to allow for new housing closer to current housing on the western portion of this area and Councilmember Phan agreed.

Councilmember Nuñez commented that people had some confusion at BAPS with residential on either side and then commercial across the street. He agreed with having residential all on one side, with concern for incompatibility.

Mr. Richie cautioned against designating residential next to the Interstate 880 freeway. He recommended residential designation in the area next to Holiday Inn Express (across from developed hotel stretch adjacent to freeway).

Mayor Tran referred to one area, zooming in on one parcel to bring development, products and services to the City. Ben Richie responded on quick changes versus the right change for an area. If high density residential was proposed, developers would come right in and build soon.

Councilmember Nuñez commented on school access from this area. It would be difficult to get to Weller School. He liked mixed use idea, to generate revenue toward costs for infrastructure.

Mr. Richie said maybe neighborhood commercial-mixed use could allow for some housing with maintaining commercial, which was so needed in the area. He described a policy statement that could go along with the written description for Neighborhood Commercial-Mixed Use zone, to entice a density bonus if residential units were affordable.

Mr. Nuñez said that on the BAPS location, he acknowledged that the group had an application in for some improvements. He felt if it moved or left, the value of the property would go up if the property were designated as residential.

Next, Mayor Tran invited public comments.

Allysson McDonald, resident, made various comments on housing potential in the area, and to maintain opportunity for all residents. She was concerned about wetlands there.

Evelyn Chua, resident, asked if there was a map of proposed income producing land use. She asked these uses would impact revenues to the City. There was need for 25% industrial land to sustain the City.

Voltaire Montemayor, resident, used to do kayaking to this location from Alviso. This would connect to Curtner School in the estuary from the Bay.

Huascar Castro, Silicon Valley at Home, commented on ground floor retail from 100% affordable housing, and sometimes that affected the financing for a project. Maybe that should be allowed.

Resident Joseph heard some good comments and wanted to see it in his lifetime. He had helped build projects in Milpitas. Planning designations were for design, but could not guarantee those get built. Allow the housing to be built. He urged.

Mayor Tran summarized the Council's discussion on the opportunity site at California Circle, identifying the Council's consensus.

<u>Ben Richie summarized by listing the changes he heard from City Council regarding the California Circle map for the General Plan</u>:

1. Maintain existing housing, high density residential designation
2. Designate housing use in the southeast corner area of map
3. Look for opportunity for more residential development
4. Identify Neighborhood Commercial-Mixed Use, where projects with significant affordable housing could have a density bonus
5. Keep business a park designation for Research & Development where now it was zoned as industrial (IP)

Councilmember Phan would like more discussion on the "P" for a potential park, and to talk to the BAPS owners about their long term intentions.

Councilmember Nuñez asked the City Manager to come up and give his feedback. Mr. McHarris made supportive remarks on the Council's map preferences.

Mr. Richie agreed he could write a memo with his summary along with a revised map for California Circle, and send that to City Council in a week or two.

Mayor Tran mentioned it was not good to have unused/unoccupied property, not for owners nor the City. One parcel was identified by the consultant (north of Home2Suites Hotel).

On one more point regarding the General Plan, Mr. Richie stated the consultant would take the entire boundary of the MidTown Specific Plan area and designate it as MT Plan in the General

Plan. On November 12, the staff would come to City Council to discuss the Specific Plan and to move ahead to update it.

2. Shuttle Study

Assistant City Manager Ashwini Kantak gave a background report on the anticipated BART station and Milpitas Transit Center along with a need to plan for moving commuters to and from the new station. A shuttle study was underway, per an approved project in the FY 2019-24 Capital Improvement Program.

A potential interim shuttle program was possible. Ms. Kantak defined the scope of the shuttle study, where maximum coverage or maximum ridership was to be considered. A survey was done of Milpitas businesses, and a majority of employers expressed interest in a shuttle. A description of a pilot program (Option A) over two years was given, including time for evaluation.

Transportation Engineer Steve Chan reviewed with a map the planned transit routes, for current public transit routes via A/C Transit and Santa Clara Valley Transportation Authority (VTA) bus lines and then showed three potential defined shuttle routes, from BART to City Hall, Kaiser area (blue line), and then two routes to McCarthy Ranch and Tasman areas (red/north, green/ south). Proposed action would be to hire a turnkey vendor (after a Request for Proposals) to implement a shuttle program. This would be cheaper than if considered doing so with city equipment and drivers.

Councilmember Nuñez asked if the city had talked to VTA staff about doing this program and Mr. Chan replied yes. VTA was available to compete with others, and did support the city having a shuttle program to support BART riders. Some companies might be interested in the program and supporting it, as well.

Option B entailed the City operating a shuttle with a turnkey vendor including using the City's Senior Shuttle for one route (with a larger number served) and private vehicle for two routes. Grant opportunities to fund the program were detailed along with other options.

Councilmember Phan asked if there could be a financing district for such costs and staff said it could investigate that.

Councilmembers Montano and Nuñez asked many questions about the potential program, its costs and provided comments to staff. Concern for the cost of such a program were expressed.

City Manager's staff member Ahmad Raza described benchmarking that was done looking at six Bay Area cities that had some type of shuttle or bus service. He provided details on some of those programs for the "last mile" and other types of ride services.

Ms. Kantak asked the City Council to give input on four specific questions relative to a potential shuttle in Milpitas.

Mayor Tran and Councilmember Nuñez remarked on VTA operations, costs, bus lines and opportunity to work with the city on meeting the specific needs a shuttle program was intended for.

Councilmember Phan felt there was plenty of time until BART came along to find consensus on a proposed plan.

Mayor Tran thanked staff for the work done on this report, which was directed specifically by Council direction. He thanked and appreciated Council comments on this topic.

The Mayor requested for a future agenda: regarding kids going to school on Escuela, he noted that VTA buses drive that route and he'd like to propose a short shuttle service from Jacklin/24 hour Fitness or the Community Center parking lot, for parents to drop off children. Then use the City shuttle to school with a pick-up, and drop off zone. Use the City's current shuttle to support youth and have some traffic mitigation.

Mr. Nuñez did not want to say no to schools and students.

Mr. McHarris summarized what staff should take back to the consultant. Find out how other cities funded programs without much City money, as the last effort in the study from the paid consultant.

Next. The Mayor invited comments from the audience.

Dinesh Gupta, resident and Chair of the Science, Technology and Innovation Commission, said the Commission had this as a goal on its work plan with a technology based idea for driverless and on demand shuttle service. This did not include the city paying for that. Commissioners envisioned it being offered in the 2022-24 time frame.

Rob Means, resident, was concerned about reducing CO_2 in vehicle emissions. He was disturbed that VTA did not want to help fund a shuttle program. He recommended disregarding the blue route path (one of three on the map presented by staff earlier).

A man urged used of electronic vehicles. Based in the East Bay, this could bring down costs much lower in Milpitas.

Voltaire Montemayor, resident, wanted the City to combine good service and a good program to make Milpitas famous.

ADJOURNMENT

Mayor Tran adjourned the special meeting at 9:40 PM.

Meeting minutes respectfully drafted and submitted by
Mary Lavelle, City Clerk

Draft **MEETING MINUTES**
CITY OF MILPITAS

Minutes of:	**Joint Meeting of the Milpitas City Council, Housing Authority & Milpitas Municipal Financing Authority**
Date:	**Tuesday, October 15, 2019**
Time:	**6:00 PM Closed Session** **7:00 PM Open Session**
Location:	**Council Chambers, Milpitas City Hall,** **455 East Calaveras Blvd., Milpitas**

CALL TO ORDER

Mayor Tran called the joint meeting to order at 6:00 PM. City Clerk Mary Lavelle called the roll.

PRESENT: Mayor Tran, Vice Mayor Dominguez and Councilmember Nuñez

ABSENT: Councilmembers Montano and Phan were absent at roll call. She arrived at 6:02 PM. He arrived in Closed Session.

CLOSED SESSION

City Council convened in Closed Session to discuss one matter listed on the agenda.

City Council convened at the dais for the Open Session regular agenda at 7:00 PM.

ANNOUNCEMENT

City Attorney Chris Diaz stated out of Closed Session there was no reportable action.

PLEDGE

Girl Scouts Troop No. 60852 presented the flags and led the pledge of allegiance.

INVOCATION

Mayor Tran offered his own prayer to start the meeting and asked for a moment of silence in memory of Pastor Roberto Gonzalez.

PUBLIC FORUM

Allysson McDonald requested that item no. 19 (rent relief program) be moved up on the agenda, so it can be heard earlier in the meeting. Lots of speakers came to hear this item and to speak.

Johnny Reed, long time resident, spoke about South Park Victoria and Landess, where he was concerned about the location where Rite Aid previously operated. He asked about Biagini and getting the project done soon, since it had been under construction for a year and a half. Also, he thanked police for the recent ice cream event on Jacklin.

Rob Means, resident, addressed Council on personal rapid transit.

David, a Milpitas man from the Silicon Valley Leadership Group, invited all City Council members to participate in the annual Turkey Trot event on Thanksgiving morning.

Voltaire Montemayor, resident, said the city needed a place where everyone can go to assemble for large events, a multi-purpose facility.

ANNOUNCEMENTS

None

ANNOUNCEMENT OF CONFLICT OF INTEREST AND CAMPAIGN CONTRIBUTIONS

City Attorney Diaz asked Councilmembers if they had any personal conflicts of interest or reportable campaign contributions. By roll call, none were reported.

APPROVAL OF AGENDA

Motion: to approve the meeting agenda, as amended

Councilmember Nuñez heard a request to move an item up in the order on agenda, while the Mayor wanted to move the agenda in order, as posted on the agenda, since all matters were urgent.

Mayor Tran asked to move items no. 16, 17, and 18 (Milpitas Municipal Financing Authority bond items) to be heard prior to the public hearings.

Vice Mayor Dominguez said on item C3 (findings related to development project at 2001 Tarob Ct.), she wanted to allow the developer to answer some questions, however, it was on consent.

City Attorney Chris Diaz said the bond items could not be on consent. He urged the public hearings to proceed first, prior to all other matters due to the noticing of those. On consent item no. C3, if the desire of the City Council was for some new information, if so, then a public hearing would need to be scheduled and noticed for a later meeting date (if the Council wanted to accommodate what the Vice Mayor had requested).

Councilmember Nuñez asked to remove the Commission work plans (agenda items no. 8, 9, 10) and have those return for discussion at a future meeting, so he could ask questions.

Mayor Tran then asked to remove item no. C3 from agenda and re-notice the item as a public hearing for a later date.

Motion: to approve the City Council agenda with the removal of consent items no. 3, 8, 9 and 10

Motion/Second: Councilmember Nuñez/Councilmember Montano

Motion carried by a vote of: AYES: 5
NOES: 0

CONSENT CALENDAR

Motion: to approve the consent calendar including agenda items no. 1, 2, 4, 6, 7 and 11, excluding items numbered 3, 5, 8, 9, 10

Councilmember Montano wanted to ask questions about item no. C5, so she asked for it to be removed from consent. Mayor Tran said that would be fine, while it would be heard at the end of the discussion of all other scheduled agenda items.

Motion/Second: Vice Mayor Dominguez/Councilmember Nuñez

Motion carried by a vote of: AYES: 5
NOES: 0

C1. Council Calendars	Received City Council calendars for October and November 2019.
C2. Meeting Minutes	Approved City Council meeting minutes of September 24, October 1 and 4, 2019.
C3. Findings Fees in lieu	This item was removed from the agenda.
C4. Resolution	Adopted Resolution No. 8914 granting acceptance of the Americans with Disabilities Act (ADA) Curb Ramp Transition Projects No. 4283 and No. 4287 and granting authorization to the Director of Engineering/City Engineer to file a Notice of Completion.
5. Agreement with VTA	This item was removed from consent, but was not heard. It would be rescheduled to the next meeting agenda.
C6. Update Travel Policy	Approved the revised travel policy SOP No. 06-01, regarding reimbursement of expenses for elected officials, to be consistent with Article 2.3 Section 53232.2 of the California Government Code.

C7. OpenGov, Inc.	Authorized the City Manager to execute an agreement with OpenGov, Inc. for a 5-year contract amount not to exceed $410,450 for the purchase of budget performance software and consolidation of "Management Reporting" and "Open Town Hall" software already owned by the City.
8. Work plan	Arts Commission work plan was removed from the agenda.
9. Work plan	Library Advisory Commission work plan was removed from the agenda.
10. Work plan	Senior Advisory Commission work plan was removed from the agenda.
C11. EDTC appointment	Appointed Casey McNeil from the Flex corporation as the Technology and Trade representative on the Economic Development and Trade Commission to a currently vacant term as a voting Commissioner into a 3-year term that expires in April 2020.

PUBLIC HEARINGS

12. Resolution – Amendment to Spinnaker PUD

Planning Director Ned Thomas explained the request for an amendment to adopted conditions of approval at a long constructed project at Spinnaker Pointe Apartments at 231 Dixon Landing Road, concerning a change in roof materials for all buildings and carports. The apartments project was originally approved in 1986.

Mayor Tran opened the public hearing.

Allysson McDonald, resident, supported the idea of the change in roof tiles at this site.

Tiffany Vuong, resident, asked if residents would have to move elsewhere while this work was being done and if the landlord was required to compensate residents then.

Mr. Thomas responded that residents would not have to move, as work would be done in phases. Fireplace upgrade and improvements would also be done during the time of the work on the roof.

Mr. Liddy from the project management team spoke on behalf of the long term owners. The plan was to replace the clay tile roof since it was worn out and would be updated with an eight-phase roof replacement. No residents would be displaced and work would be done in daytime hours.

Rob Means, resident, spoke of when he added on new roof to his home. He asked why a steel roof material was not chosen. Mr. Liddy responded on the rationale for asphalt shingles, a style chosen by the owner to match the color of the building.

Voltaire Montemayor, resident, talked about safety in construction, and bricks.

Motion: to close the public hearing, following five speakers

Motion/Second: Councilmember Montano/Councilmember Nuñez

Motion carried by a vote of: AYES: 5
NOES: 0

Motion: to adopt Resolution No. 8915 approving an amendment (PA19-0001) to Planned Unit Development No. 45 (Spinnaker Pointe Apartments) to amend the conditions of approval allowing a change in roof materials for all buildings, including carports, on a 9.24-acre site at 231 Dixon Landing Road

Motion/Second: Councilmember Phan/Councilmember Montano

Motion carried by a vote of: AYES: 5
NOES: 0

13. Ordinance No. 38.837 – Assembly Uses

Planning Director Thomas reported that the City Council had heard this item (ordinance) previously in August. It was brought back to Council at this meeting with modified recommendations to zoning regulations for industrial land uses in the city.

Economic Development Director Alex Andrade gave a report describing the current efforts of economic development work in Milpitas. His department's work included identifying the ongoing need for industrial space for companies and workplaces for jobs in the City.

Next, Senior Planner Rozalynne Thompson addressed specifics of the zoning text amendment (in the proposed ordinance), designed to restrict assembly and other non-industrial uses in the M2 Heavy Industrial Zone, and allow for one exception for potential expansion of non-conforming uses through the end of 2020 only.

Mayor Tran asked staff some questions about what organizations would seek the exemption to allow 25% expansion. He mentioned the new Charity Bingo operation on S. Milpitas Blvd.

Councilmember Nuñez asked the City Attorney to clarify that the year was 2020, for an end to the exception in the ordinance. Mr. Diaz replied yes, the ordinance would end any allowance for expansion of non-conforming uses only until December 31, 2020.

Mayor Tran opened the public hearing.

Rob Means, 1421 Yellowstone residence, supported what staff explained to keep the industrial zone for industrial uses, as required. The City needed businesses to be in those areas and to pay taxes, which religious and other uses did not.

Voltaire Montemayor, resident, wanted to make sure the city would not be plugged in to any misconception.

Motion: to close the public hearing, following two speakers

Motion/Second: Councilmember Montano/Vice Mayor Dominguez

Motion carried by a vote of: AYES: 5
NOES: 0

Next, the City Attorney read aloud the title of Ordinance No. 38. 837, "An Ordinance of the City Council of the City of Milpitas Amending Sections of Chapter 10 of Title XI of the Milpitas Municipal Code Relating to Assembly and Other Non-Industrial Uses in the M2 Heavy Industrial Zoning District and Making Findings of CEQA Exemption."

Motion: to waive the first reading beyond the title and introduce Ordinance No. 38.837 to amend Milpitas Municipal Code Section 2 ("Definitions"), Subsection 4.02 ("Residential Use Regulations), Subsection 5.02 ("Commercial Use Regulations), Subsection 7.02 ("Industrial Use Regulations"), Subsection 7.04 ("Industrial Zone Special Development and Performance Standards"), and Subsection 56.04 ("Nonconforming Use of Land")

Motion/Second: Councilmember Montano/Vice Mayor Dominguez

Motion carried by a vote of: AYES: 5
NOES: 0

14. Ordinance – Rent Review Program

Building Safety & Housing Director Sharon Goei and Housing Authority Administrator Robert Musallam presented the proposed rent review program. Ms. Goei gave a summary of prior actions to date on the topic of a rent review program and recent affordable housing policy steps, including the state's Governor signing Assembly Bill 1482, which would provide tenant protections and rent control statewide starting in January.

An Urgency Ordinance with necessary findings would require a 4/5 vote of the City Council, which was offered along with a proposed Regular Ordinance brought by staff for City Council consideration and vote at this meeting. Ms. Goei displayed a chart/table showing AB 1482 rent cap versus a rent review ordinance with impacts on Milpitas. She defined and explained the Consumer Price Index (CPI), one of the measurements for the state's rent control cap. There were approximately 1400 subsidized housing units in the City of Milpitas, and more than 2,000 newer rental units in the transit area, near BART.

Mayor Tran asked about Project Sentinel's funding allocated by City Council. He appreciated seeing the study on results in the City of Fremont, regarding its new rent review program. The Mayor was concerned about signing up for a two-year commitment with Project Sentinel for this program at $50,000 per year. He sought more people to be served than in Fremont's report.

Councilmember Nuñez thanked the staff for all the work on this and other housing topics. He inquired about Project Sentinel and how it would operate the program.

Vice Mayor Dominguez asked if subsidized units were included in the ordinance. Staff replied no, since the local ordinance was to mimic state law. Ms. Dominguez wanted to include those important units, as a category of housing covered by the ordinance. She thanked the City Council Housing Subcommittee, and wanted to adopt the urgency ordinance.

Councilmember Montano felt the Council was coming to a consensus, after the Housing Subcommittee had met a lot in the last nine months, and commended staff on all its work

Councilmember Nuñez asked if the source of income discrimination legislation had been signed or not. Staff believed it had been signed by the Governor.

Next, Mayor Tran opened the public hearing.

Yolie Garcia, resident of 48 years, read aloud a statement supporting policies for rent control, just cause eviction and protections for tenants in the city.

Voltaire Montemayor, resident, mentioned the CPI, Governor's signed bill AB 1482, and concern about evictions.

Sherry Burns, of the Silicon Valley Independent Living Center (SVILC), had served on the City's Task Force on Housing last year, and while this step would not solve all tenant problems, it was one piece of the puzzle to help tenants in their rental housing in Milpitas. She supported Council adoption of the urgency ordinance.

A man who lived in Milpitas since 1993 said landlords tried to keep good tenants in rental housing.

Allysson McDonald, resident, preferred to have rent control in Milpitas, and she knew state law was coming in and spoke of having a 5% limit for rent control.

A woman resident spoke about rent control and why an urgency ordinance was a waste of resources. This did not apply to single family homes, which also were rented out.

Evan, homeowner of 15 years in Milpitas, said rent control at 5% limit increase should approved be along with other cost increases, like homeowner dues and utilities.

Rob Means, resident, felt the last speaker did not understand what this program was going to do. This was not a real hard cap on rent increases with no "teeth" in this law.

<u>Motion</u>: to close the public hearing, following eight speakers

Motion/Second: Councilmember Montano/Vice Mayor Dominguez

Motion carried by a vote of: AYES: 5
NOES: 0

Mayor Tran thanked Councilmembers Montano and Nuñez for working together as the Housing Subcommittee to bring these proposals to the full Council. He still wanted only a one-year agreement with Project Sentinel for only $50,000 in the current fiscal year.

Councilmember Nuñez reviewed what staff had said. He wanted to support the Mayor on the one year, so there could be a good review after that first year and to come back to City Council. Mr. Nuñez wanted the urgency ordinance.

Councilmember Montano asked about a one year window with Project Sentinel, and if that would work. Staff explained the first year for $50,000 had been approved by City Council previously on September 17. The second year was proposed, but had not been approved yet.

Councilmember Phan agreed with the Mayor on a one year time frame, to incentivize results and explore further opportunities.

The City Attorney heard consensus on the urgency ordinance, subjecting it to include subsidized housing units, which he would need to amend in the appropriate section with the language. He did a poll of members about that part, and all Councilmembers concurred. Next, the City Council took a vote on the recommended urgency ordinance, and did not consider introducing the proposed draft regular ordinance.

City Attorney read aloud the title of Ordinance No. 302, "An Urgency Ordinance of the City Council of the City of Milpitas Enacted Pursuant to California Government Code Section 36937 Adding Chapters 2 and 3 to Title XII of the Milpitas Municipal Code Relating to the Adoption of a Rent Review Program and Tenant Protections."

Motion: to adopt Urgency Ordinance No. 302 enacted pursuant to California Government Code Section 36937 to add Chapters 2 and 3 to Title XII of the Milpitas Municipal Code relating to the adoption of a rent review program and tenant protections; with one modification to allow for including subsidized housing unit tenants

Motion/Second: Councilmember Nuñez/Councilmember Montano

Motion carried by a vote of: AYES: 5
NOES: 0

15. Ordinance – Just Cause Eviction protection

Ms. Goei gave the same history on the topic of just cause eviction protection for tenants as the ordinance on rent review (item above), which had been discussed at the same meetings she detailed including the many City Council Housing Subcommittee meetings.

Next, Mayor Tran opened the public hearing.

Ana Narajo, resident, expressed why she felt the families in Milpitas needed just cause eviction protection in the City of Milpitas. Families were in anxiety and stress.

Huascar Castro, from Silicon Valley at Home, supported the urgency ordinance for just cause eviction protection. His agency was concerned about the sunsetting sections, since he wanted it to be long lasting.

Girl Paloma, resident, wanted to speak up for families and renters in Milpitas.

Girl Diana, resident, spoke in favor of rent control and support for families. People were suffering due to high rents.

Veronica Salce, Milpitas resident, spoke in favor of rent control and just cause eviction protection.

A woman spoke against just cause eviction, and to stop evictions for no reason.

Hien La, Sunnyhills resident, asked for help for tenants. Everybody needed a home, a shelter, wherever that was. She asked City Council to do whatever it could to help.

Sandy Perry from Affordable Housing Network, supported urgency ordinance and it could be strengthened, for all tenants not just those who'd been here one year. Include subsidized apartments in the ordinance.

William Au, from the tenants association at Sunnyhills Apartments, was concerned about the just cause ordinance, noting the need to protect hard working tenants. Protect them, he urged the City Council, and their families too.

Tiffany Vuong, resident, was glad the just cause topic was brought by City Council. There should not be a limit on those for a minimum one year. Also include single family homes owned by corporations not individuals, in the protection for all.

Renna, a teacher at Rancho School, spoke of the impact of housing crisis on students in school, due to worries about families and housing. It interrupted their learning. She supported just cause protections.

Jeffrey, on behalf of Working Partnerships, thanked the Council for its leadership on this issue. He supported Council action on the urgency ordinance, and to remove the date in section 6 to take out the one year lease requirement as well as the sunset date.

Allysson McDonald, resident, was glad the City Council brought this topic for a vote. Project Sentinel had recently heard from more residents who'd received notice of rent increases since AB 1482 was adopted. She supported the just cause ordinance and to include everyone from the first day of being a tenant. Also, increase relocation assistance required.

Rob Means, resident, asked to extend just cause protection to more residents. He asked the City Council to strike out no. 7 exemption for housing that was built over the last 15 years.

Michael Trujillo, from the Law Foundation, asked for Council to adopt JCE protection via the urgency ordinance and to eliminate loopholes in the state law.

Christian, resident, wanted tenant protections in the City. AB1482 had limited protections for tenants across the state. Long term protections were needed.

A man from the Silicon Valley Rising organization in San Jose asked for changes to make this legislation most helpful and to include subsidized housing units. He said to make sure all tenants got a 12-month lease.

Voltaire Montemayor, resident, said this would help the poor.

Tom Valore, resident, hoped the City Council noticed what the previous speaker (teacher) had said. Bold action was needed to address the problem, aggressively.

Woman, resident, asked if Council investigated how many evictions there were in Milpitas. She noted so many San Jose people coming to Milpitas and to these meetings.

A man resident noticed many speakers came from outside Milpitas to address City Council.

Sherry of SVILC said this was a piece of the puzzle, as she mentioned on the last item. There should be no retaliation toward tenants. Expand protection for all tenants with no time limits and include subsidized units in the law.

A Fremont resident named Mac did not see any necessity to have Milpitas adopt this law.

Motion: to close the public hearing, following 23 speakers

Motion/Second: Vice Mayor Dominguez/Councilmember Phan

Motion carried by a vote of: AYES: 5
NOES: 0

Mayor Tran felt this type of legislation would help some people in the community, along with AB 1482.

Councilmember Nuñez wanted to add to the ordinance to include mandatory leases of one year, landlords could not require month to month, only allow for one annual rent increases, and to miss multiple increases. Continuity was sought by landlords. He mentioned Lakewood, CA recently adopted regulation, and he favored the urgency ordinance.

Vice Mayor Dominguez said Milpitas was long waiting for the JCE ordinance. She noticed that government moves very slowly, and had been discussing this and other tenant items for many months. She wanted to have a permanent just cause protection ordinance and would like to support asking landlords to have one year leases for tenants. Include subsidized housing units in the urgency ordinance, and be considered permanent.

Councilmember Phan referred to Mr. Nuñez' remarks on month-to-month leases. For tenants that wanted the month-to-month lease, he asked his colleague if that could be allowed so tenants could choose.

City Attorney Diaz responded to Council, explaining he had not yet researched if Council could do the two things Mr. Nuñez asked for (mandatory one year lease, and some limitation on increases to be only within one 12 months timeframe).

Councilmember Montano remarked on the 12 months living requirement as in state law. She agreed with editing the local ordinance not to require that. She then moved introduction of the Urgency Ordinance.

The City Attorney clarified that the action was to adopt the Urgency Ordinance presented by staff, and including changes they had discussed. He polled the five members, who were in favor.

Mr. Diaz read aloud the title of Urgency Ordinance No. 303, "An Urgency Ordinance of the City Council of the City of Milpitas Enacted Pursuant to California Government Code Section 36937 Adding Chapter 4 to Title XII of the Milpitas Municipal Code Relating to Just Cause Eviction Protections for Tenants."

He asked about changing it for all tenants, not only those who'd been in a unit for a year.

Vice Mayor Dominguez talked with Councilmember Montano about the one year rule. Mr. Diaz responded and explained state law sections on the one year residency requirement.

City Attorney Diaz explained that would require modification to Title XII Section 4.00. He read aloud some recommended revised language, if Council wanted to agree with what the Vice Mayor recommended for amendment.

Councilmember Montano asked how prevalent it was that people rented month-to-month. Staff explained that was very difficult data to obtain, though research was done. Most people prefer one year leases, while some do prefer month-to-month.

The City Attorney said the Council could adopt what was brought this evening, and could later bring this back again for amending to include more language if Council desired (after the attorney researched it fully).

Vice Mayor Dominguez watched videotape of the last meeting on this topic. Many landlords were going to month-to-month lease for tenants.

The Vice Mayor wanted to make a motion, and to move forward passing the urgency just cause ordinance with removing the language so as to make it effective on day one of a contract (not 12 months required) and must have a sunset date. Then the Subcommittee could later consider a permanent ordinance. She wanted no sunset date.

Ms. Goei displayed a third slide, if Council wanted to make the provisions permanent, it could add a Whereas to make the local law more restrictive than the state law as of January 1. Also, findings needed to be added for this section to be incorporated.

Councilmember Montano recommended to bring this back to the Subcommittee, on the details.

Next, the Public Hearing was re-opened, so that the attorney from Law Foundation was invited back to the podium to respond to the Vice Mayor with explanation on how prevalent month to month leases were in Milpitas.

Bob Runton, Fremont resident, asked - in Milpitas - what did "just cause" mean exactly. He asked if there was there a presumption that a lease renewed automatically. He asked, what about seniors, who chose to rent out a room to someone and wanted the month to month lease to find out if it would work out.

By consensus vote, the City Council the voted to close the public hearing again.

Councilmember Nuñez wanted to get something done and to vote on what was brought to the Council in the urgency ordinance.

Motion: to adopt Urgency Ordinance No. 303 enacted pursuant to California Government Code Section 36937 to add Chapter 4 to Title XII of the Milpitas Municipal Code relating to just cause eviction protection for tenants; and to direct staff to include subsidized housing as the one modification only

Motion/Second: Vice Mayor Dominguez/Councilmember Nuñez

Motion carried by a vote of: AYES: 5
NOES: 0

LEADERSHIP

The next three items were related to the Milpitas Municipal Financing Authority.

16. Resolution – Debt Management Policy

Finance Director Walter Rossman gave an overview of the updated debt management policy and asked the City Council to adopt it by Resolution.

Motion: to adopt Resolution No. MFA 1 of the Board of the Milpitas Municipal Financing Authority approving a Debt Management Policy, consistent with the policy previously approved by the City and its related entities

Motion/Second: Councilmember Phan/Councilmember Montano

Motion carried by a vote of: AYES: 5
NOES: 0

17. Wastewater System Bonds

Mr. Rossmann listed the Financing team members for preparing the bond issue. He gave an overview and background on the need for the bonds proposed for funding major capital improvements, in this case for an upgrade to the wastewater system. Mr. Rossman defined 30 year bonds which would be issued at a low interest rate. City of Milpitas held an AA+ rating for bond issuance as provided by Standard & Poor's for the wastewater bonds.

The Jones Hall firm's representative Mr. James Fabian addressed the City Council on its responsibilities for this financing mechanism, referring to the many documents provided to Councilmembers in the agenda packet.

In further detail, Mr. Rossman provided a financial summary of bond issuance for $35 million in bonds at a fixed rate over 30 years, and on parity with 2017 refunding bonds.

Mayor Tran asked Public Works Director Tony Ndah about the funding that would go to the wastewater system, and how much of system improvements this funding would apply to. Mr. Ndah said the funds would go to the regional wastewater treatment plant, in which the City participates with other local governments and a had responsibility to pay towards. The improvements were in the Capital Improvement Program (CIP).

Councilmember Montano asked additional questions about the work to be done on the wastewater treatment plant. Then, the City Council took the following action.

Motion:

1. to adopt Resolution No. 8916 of the City Council of the City of Milpitas and Resolution No. MFA 2 of the Milpitas Municipal Financing Authority authorizing and directing the City Manager, Assistant City Manager or Director of Finance to execute the sale and issuance of 2019 Wastewater Revenue Bonds with an estimated aggregate principal amount of not-to-exceed $36 million to finance the acquisition, construction and/or improvement of capital improvements to the Wastewater System, and
2. to authorize the Interim City Manager to execute a contract with Jones Hall, a Professional Law Corporation, for Bond Counsel Services.

Motion/Second: Councilmember Montano/Councilmember Nuñez

Motion carried by a vote of: AYES: 5
NOES: 0

18. Water Revenue Bond

Similar to item above, this time for the City's water system and its needed improvements, staff reviewed the plan for bond financing for major projects including well upgrade, automated meter replacement, and Water Supervision Control & Data Acquisition System.

A similar financing team and steps were planned as for the wastewater bonds, but with as different financial institution. For the water system, the city planned a bond issuance of $20 million over 30 years at a fixed rate. City Council then took the following actions.

Motion:

1. to adopt Resolution No. 8917 of the City Council and Resolution No. MFA 3 of the Milpitas Municipal Financing Authority authorizing and directing the City Manager, Assistant City Manager or Director of Finance to execute the sale and issuance of 2019 Water Revenue Bonds with an estimated aggregate principal amount not to exceed $21.0 million to finance the acquisition, construction and/or improvement of capital improvements to the Water System, and,
2. to authorize the Interim City Manager to execute a contract with Jones Hall, a Professional Law Corporation, for Bond Counsel Services.

Motion/Second: Councilmember Nuñez/Vice Mayor Dominguez

Motion carried by a vote of: AYES: 5
NOES: 0

COMMUNITY DEVELOPMENT

19. Resolution – Pilot Rent Relief Program

Housing Authority Administrator Robert Musallam presented background on what occurred to date, and direction given by the City Council Housing Subcommittee for a pilot rent relief

program to assist residents. They arrived at a proposal to have the proposed pilot rent relief program for City Council to adopt, in order to provide assistance to qualified residents in need. He displayed the list of low income and other residents who would be eligible for the relief, with types of assistance and relief amount with $5,000 as the maximum.

Silicon Valley Independent Living Center was the agency staff recommended to implement the one year pilot program.

Mayor Tran asked for comments and Voltaire Montemayor spoke at the podium.

The Mayor wanted to know the specific definition of low and moderate income. Mr. Musallam explained how the federal government applied a formula with a percentage of area median income. He wanted to ensure it would cover victims of domestic violence, and staff reviewed community partners. Mr. Tran asked the cost for paying SVILC, which was estimated at $1290 per referral. This estimate was to help 15–20 Milpitas families, with the $100,000 proposed for this pilot program. The Mayor felt the number to be served was low, and maybe not worth it, unless the city could afford to help hundreds.

Councilmember Nuñez noted that the Parent-Teacher Council started its own rent program, with very little money. He would want to partner with the City on this. The Milpitas Community Collaborative would want to partner also.

Mayor Tran wanted to help one primary group of residents (first bullet on the staff slide) for low to moderate income individuals and families with dependent children under age 18.

Councilmember Phan agree with Mr. Nuñez and Mr. Tran. He wanted to ensure all resources were joined with city funding to help with services to those most in need, and in particular, the Housing Trust.

Vice Mayor Dominguez was in favor of this proposal.

Councilmember Montano wanted a minimum of one year residence, to be eligible. She asked about the concept of requiring some volunteer effort to contribute to receive funds (like a Sunday program in San Jose schools). Maybe change the maximum to lower than $5000.

Councilmember Nuñez spoke of how he'd like the program to work for most residents. He wanted to help students in the MUSD, especially homeless students.

Motion: to adopt Resolution No. 8918 authorizing the creation of a Pilot Rent Relief Program; approve a budget amendment to appropriate $100,000 from the Affordable Housing Fund into the FY 2019-20 Housing operating budget for Silicon Valley Independent Living Center (SVILC) to implement the Pilot Rent Relief Program; and, to authorize the City Manager to prepare and execute a one-year Professional Services Agreement with Silicon Valley Independent Living Center to manage the Milpitas Pilot Rent Relief Program

Motion also included direction to staff that the program shall find a way to meet homeless families with Milpitas Unified School District students (with at least one grading period/one report card) and to work with the School District (including upcoming Collaborative meeting) to best meet the needs of Milpitas families.

Motion/Second: Councilmember Nuñez/Vice Mayor Dominguez

Mayor Tran invited a speaker from the audience before voting.

Resident Tom Valore came forward and said thank you to Councilmembers for such a program. No information was given on what happened after the one year as only a "pilot" program. He felt the City could afford a lot more than $100,000 in the next year's budget to assist residents. Mr. Valore strongly recommended extremely low and low income families to receive assistance.

	Motion carried by a vote of:	AYES: 5 NOES: 0
20. Housing Authority Resolution – Bylaws	This item was not heard, and would move to another agenda.	

NEXT AGENDA

21. Preview next agenda	Noted receipt of list of agenda items for the November 5, 2019 City Council meeting.
ADJOURNMENT	Mayor Tran adjourned the joint meeting on Wednesday, October 16, 2019 at 12:12 AM.

Meeting minutes respectfully drafted and submitted by
Mary Lavelle, City Clerk

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Waive the First Reading Beyond the Title and Introduce Ordinance No. 113.25, Adopting by Reference with Certain Local Amendments the 2019 Edition of the California Fire Code**
Category:	Consent Calendar-Public Safety
Meeting Date:	11/5/2019
Staff Contact:	**Albert Zamora, Fire Marshal/Deputy Fire Chief, 408-586-3371**
Recommendations:	1. Following the City Attorney reading aloud the title, waive the first reading beyond the title of Ordinance No. 113.25. 2. Move to introduce Ordinance No. 113.25, to be enacted as Chapter 300, Title V of the Milpitas Municipal Code. 3. Set a public hearing for Tuesday, December 3, 2019 at 7:00 p.m. in the Milpitas City Council Chambers to consider adoption of Ordinance No. 113.25, adopting by reference with certain local amendments the 2019 Edition of the California Fire Code.

Background:
The California State Building Standards Commission adopted the 2018 International Fire Code with State Amendments, known as the 2019 Edition of the California Fire Code, which becomes effective by all local jurisdictions on January 1, 2020. For jurisdictions to maintain their current level of regulation without interruption, the code must be adopted with local amendments. As with past code adoptions, the Santa Clara County Fire Marshals Association collaborated to develop standardized amendments for use throughout the County that would maintain the existing level of regulation for the protection of public health and safety.

The proposed Ordinance includes certain findings necessary to locally amend portions of the California Fire Code. Such findings shall be based on but not limited to Health and Safety Code Sections 18941.5, as well as 17958.5 and 17958.7, relative to local climatic, geographical, or topographical conditions.

Analysis:
The California Fire Code and local amendments are typically adopted every three years. The 2016 Edition of the California Fire Code with certain local amendments was adopted by the Milpitas City Council on November 15, 2016 and became effective January 1, 2017.

The California Fire Code is Part 9 of 13 parts of the official compilation and publication of adoptions, amendment, and repeal of building regulations to the California Code of Regulations, Title 24 which is also referred to as the California Building Standards Code. The California Building Standards Code incorporates by adoption the 2018 International Fire Code of the International Code Council with necessary California Amendments.

The purpose of the California Fire Code is to establish the minimum requirements consistent with nationally-recognized best practices to safeguard public health, safety and general welfare from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures, and premises, and to provide safety and assistance to fire fighters and emergency responders during emergency operations.

The provisions of the California Fire Code shall apply to the construction, alterations, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of ev

building or structure or any appurtenances connected or attached to such building structures throughout the State of California.

Policy Alternatives:

Alternative 1: Do Not Adopt the 2019 California Fire Code

Pros: None

Cons:

1. The provisions within the 2019 California Fire Code are State Law. With the City of Milpitas being a Regulatory Agency, not adopting the 2019 California Fire Code compromises the minimum requirements that ensures and affords the level of fire life-safety for the general public, as well as the citizens and the business community of the City of Milpitas.

2. Without the adoption of the 2019 California Fire Code, local amendments cannot be adopted pursuant to Section 1.1.8.

Reason not recommended:
The California Fire Code establishes the minimum requirements that are consistent with nationally-recognized industry practices to safeguard the public health, safety and general welfare from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures, and premises, and to provide safety and assistance to fire fighters and emergency responders during emergency operations.

Not adopting the 2019 California Fire Code would only compromise fire life-safety for the buildings, structures and premises as well as their respective occupants.

Alternative 2: Adopt the 2019 California Fire Code and Not Adopt Certain Local Amendments

Pros: None

Cons:
By not adopting certain local amendments in conjunction with the 2019 California Fire Code, does not address some of the unique concerns and nuances relative to the residential, commercial, and industrial communities within the City of Milpitas.

Reason not recommended:
To further save lives and preserve property, as well as ensuring the highest level of public safety for the community of Milpitas, local amendments must be addressed.

Fiscal Impact:
Section 66014 of the California Government Code as referenced in the Health & Safety Code Section 13146, as well as the 2019 California Fire Code Sections 1.11.2.1.1, and Section 106.2, allows fire departments to charge fees for permit, inspection, and enforcement activities. The recently adopted City of Milpitas Master Fee Schedule that became effective on August 1, 2019, aligns with the above Code Sections.

California Environmental Quality Act:
Not applicable

Recommendations:

1. Following the City Attorney reading aloud the title, waive the first reading beyond the title of Ordinance No. 113.25.
2. Move to introduce Ordinance No. 113.25, to be enacted as Chapter 300, Title V of the Milpitas Municipal Code.

3. Set a public hearing for Tuesday, December 3, 2019 at 7:00 p.m. in the Milpitas City Council Chambers to consider adoption of Ordinance No. 113.25, adopting by reference with certain local amendments the 2019 Edition of the California Fire Code.

Attachment:
Draft Ordinance No. 113.25 (Milpitas Municipal Code Title V, Chapter 300)

REGULAR

NUMBER: **113.25**

TITLE: **AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MILPITAS REPEALING AND REPLACING CHAPTER 300 OF TITLE V OF THE MILPITAS MUNICIPAL CODE AND ADOPTING BY REFERENCE THE 2019 EDITION OF THE CALIFORNIA FIRE CODE WITH SPECIFIED LOCAL AMENDMENTS**

HISTORY: This Ordinance was introduced (first reading) by the City Council at its meeting of _____, upon motion by _____, and was adopted (second reading) by the City Council at its meeting of _____ upon motion by Councilmember _____. The Ordinance was duly passed and ordered published in accordance with law by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

RECITALS AND FINDINGS:

WHEREAS, the City Council of the City of Milpitas intends to adopt by reference into the Milpitas Municipal Code the 2019 California Fire Code; and

WHEREAS, in doing so, the City Council wishes to amend portions of the California Fire Code to better address local concerns and to be consistent with amendments made by the other cities and counties in the San Francisco East Bay, San Francisco Peninsula and Monterey Bay areas; and

WHEREAS, Health and Safety Code Sections 17958.5, 17958.7, and 18941.5 require such amendments to be reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City Council hereby makes the following findings with respect to the amendments to the 2019 California Fire Code:

A. The local climatic conditions of the City of Milpitas can affect the acceleration, intensity, and size of fires. Average annual rainfall for the City of Milpitas (approximately 14.9 inches per year), and drought conditions in the State of California require water-use restrictions and may also limit access to water during emergencies. Prevailing winds from the Northwest have velocities ranging from 5-mph to 15-mph, but the region has experienced extreme winds up to 60 mph. Times of little rainfall and high winds can exacerbate and spread fires.

B. The local geological and topographical conditions of the City of Milpitas can affect the response time of emergency service providers. The San Francisco Bay area region is densely populated and located in an area of high seismic activities. In particular, the City of Milpitas is located near the San Andreas Fault zone, which is capable of producing major earthquakes. Should a significant seismic event occur, hazardous materials and gases may be leaked and expose members of the public to significant health risks. Severe seismic events could disrupt communications, damage gas mains, and cause extensive electrical hazards that may exacerbate the size and number of emergencies, and consequently hinder the Fire Department's ability to respond to emergencies effectively and in a timely manner.

NOW, THEREFORE, the City Council of the City of Milpitas does ordain as follows:

SECTION 1. RECORD AND BASIS FOR ACTION

The City Council has duly considered the full record before it, which may include but is not limited to such things as the City staff report, testimony by staff and the public, and other materials and evidence submitted or provided to the City Council. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

The City Council finds that the above-listed findings correspond with the following amendments to the 2019 California Fire Code:

Amendment	**Finding(s)**
101.1	Administrative
102.3	Administrative
102.4	Administrative
102.5	Administrative
103.2	Administrative
104.10	Administrative
105.1	Administrative
105.2	Administrative
105.4.2.2	Administrative
105.6-105.6.62	Administrative
105.7-105.7.26	Administrative
106.2	Administrative
107.1-107.7	Administrative

109.1-109.3	Administrative
110.1.1-110.1.8	Administrative
202	Findings A & B
311.5	Finding A
315.8-315.8.10	Finding A
316.7	Finding A
321-321.3.13	Finding A
503-503.1	Finding A
503.2.1	Finding A
503.7	Finding A
504.3.1	Finding A
504.5	Finding A
504.6	Finding A
505.3	Finding A
507.5.1.1	Finding A
507.5.7	Finding A
508.1-508.1.2	Finding A
508.1.6	Finding A
510.1	Finding B
510.1.1	Finding B
510.2	Finding B
510.3-510.3.1	Finding B
510.4	Finding B
510.4.1.1-510.4.1.2	Finding B
510.4.2.5-510.4.2.5.1	Finding B
605.18	Findings A & B
606.1.1	Findings A & B
903.1.2	Findings A & B
903.2	Findings A & B
903.3.1.1	Findings A & B
903.3.1.4	Findings A & B
903.3.5.3-903.3.5.7	Findings A & B
907.2.9.1	Findings A & B
913.7	Findings A & B
914.2.1	Findings A & B
914.3.1	Findings A & B
914.3.9-914.3.10	Findings A & B
914.4.1	Findings A & B
914.6.1	Findings A & B
914.12	Findings A & B
916.8	Findings A & B
1103.2	Findings A & B
1206.2.1	Administrative
1206.2.11.3	Findings A & B
1206.2.11.5	Findings A & B
1206.2.12.1-1206.2.12.2	Findings A & B
1206.2.12.5	Findings A & B
1206.2.12.6	Findings A & B
2807.6	Findings A & B
2808.11	Findings A & B

3103.2	Findings A & B
3304.8	Findings A & B
3311.1-3311.1.1	Findings A & B
5001.2.2.2	Finding B
5001.5.1-5001.5.1.1	Finding B
5003.1.3.1	Finding B
5003.1.5	Finding B
5003.1.6	Finding B
5003.2.2.1-5003.2.2.2	Finding B
5003.3.1	Finding B
5003.5.2-5003.5.3	Finding B
5003.9.8	Finding B
5003.9.11	Finding B
5003.10.4.3	Finding B
5004.2.1	Findings A & B
5004.2.2	Findings A & B
5004.2.2.2	Findings A & B
5004.2.2.5	Findings A & B
5004.2.3	Findings A & B
5005.4.4	Findings A & B
5303.5.3	Finding B
5601.1.3	Findings A & B
5704.2.7.5.8-5704.2.7.5.9	Finding B
5707	Finding B
5707	Finding B
5707.3.3	Finding B
5707.3-5707.4	Finding B
5707.5.5	Finding B
5707.6.4-5707.6.7	Finding B
5809.3.4	Finding B
6004-6004.1.1.14	Finding B
6004.2-6004.2.2.104	Finding B
6004.3-6004.3.3	Finding B
6405.3.1	Finding B
D103.1	Finding A
D104.1-D104.2	Finding A
D105.2	Finding A
D106.1	Findings A & B
D106.2	Findings A & B
D107.1	Findings A & B
H103, Appendix H	Finding B
H3, Appendix H	Finding B

SECTION 2. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The City Council hereby finds and determines that this Ordinance has been assessed in accordance with the California Environmental Quality Act (Cal. Pub. Res. Code, § 21000 et seq.) ("CEQA") and the State CEQA Guidelines (14 Cal. Code Regs. § 15000 et seq.) and is categorically exempt from CEQA under CEQA Guidelines, § 15061(b)(3), which exempts from CEQA any project where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment Adoption of the proposed Ordinance would not be an activity with potential to cause significant effect on the environment because the changes made to the California Building Standard Code within are enacted to mitigate the threats posed to public peace, health and safety from earthquakes, high winds and fire, and therefore is exempt from CEQA. Therefore, it can be seen with certainty that there is no possibility that the Ordinance in qu

may have a significant effect on the environment; accordingly, the Ordinance is categorically exempt from CEQA.

SECTION 3. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE V, CHAPTER 300

Chapter 300 of Title V of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Chapter 300

FIRE CODE

Sections:
V-300-1 Adoption of the California Fire Code, 2019 Edition
V-300-2 Amendments to the 2019 California Fire Code

Section 1 Adoption of the California Fire Code, 2019 Edition

V-300-1.01

An Ordinance of the City of Milpitas adopting the 2019 edition of the *California Fire Code*, regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the City of Milpitas providing for the issuance of permits and collection of fees. That a certain document, except as herein amended, one (1) copy of which is on file in the office of the City Clerk, known as the California Fire Code, including Chapter 1, and Appendices Chapter 4, B, BB, C, CC, D, H and K as published by the International Code Council, based on the International Fire Code, 2018 Edition, is hereby adopted by reference as the Fire Code for the City of Milpitas in the State of California regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises as herein provided; providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions penalties, conditions and terms of said Fire Code on file in the office of the City Clerk are hereby referred to, adopted, and made a part hereof, as if fully set out in this Ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this Ordinance.

Section 2 Amendments to the 2019 California Fire Code

V-300-2.01

Chapter 1, Scope and Administration, of the California Fire Code, 2019 Edition, is hereby adopted and amended as follows:

V-300-2.02

Section 101.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

101.1 Title. These regulations shall be known as the Fire Code of the City of Milpitas, herein referred to as 'this Code.'

V-300-2.03

Section 102.3 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

102.3 Changes in use or occupancy. No change shall be made in the use or occupancy of any structure that would place the structure in a different division of the same group or occupancy or in a different group of occupancies, unless such structure is made to comply with the requirements of this Code and the City of Milpitas Building Codes adopted under Title II of the Milpitas Municipal Code. Subject to the approval of the fire code official, the use or occupancy of an existing structure shall be allowed to be changed and the structure is allowed to be occupied for purposes in other groups without conforming to all of the requirements of this Code and the City of Milpitas Building Codes for those groups, provided the new or proposed use is less hazardous, based on life and fire risk, than the existing use.

V-300-2.04

Section 102.4 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

102.4 Application of Building Code. The design and construction of new structures shall comply with the City of Milpitas Building Codes adopted under Title II of the Milpitas Municipal Code, and any alterations, additions, changes in use or changes in structures required by this Code, which are within the scope of the City of Milpitas Building Codes, shall be made in accordance therewith.

V-300-2.05

Section 102.5 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

102.5 Application of Residential Code. Where structures are designed and constructed in accordance with the City of Milpitas Building Codes adopted under Title II of the Milpitas Municipal Code, the provisions of this Code shall apply as follows:

1. Construction and design provisions: Provisions of this Code pertaining to the exterior of the structure shall apply, including, but not limited to premises identification, fire apparatus access and water supplies. Where interior or exterior systems or devise are installed, construction permits required by Section 105.7 of this Code shall also apply.

2. Administrative, operational and maintenance provisions: All such provision of this Code shall apply.

V-300-2.06

Section 103.2 of the California Fire Code, 2019 Edition, is deleted in its entirety.

V-300-2.07

Section 104.10 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

104.10 Fire Investigations. The fire code official, the fire department or other responsible authority shall have the authority to investigate the cause, origin and circumstances of any fire, explosion or other hazardous condition. Information that could be related to trade secrets or processes shall not be made part of the public record except as directed by a court of law.

The fire code official and authorized members of the fire department shall have the powers of a peace officer pursuant to Penal Code Section 830.37. Other members of the fire department, as designated by the Fire Chief, may issue citations for violations of fire-related laws and ordinances pursuant to Penal Code Section 836.5.

V-300-2.08

Section 105.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

105.1 General. Permits shall be in accordance with Sections 105.1.1 through 105.7.26.

V-300-2.09

Section 105.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

105.2 Application. Applications for a permit required by this Code shall be made to the fire code official in such form and detail as prescribed by the fire code official. Applications for permits shall be accompanied by such plans as prescribed by the fire code official. Said application shall be accompanied by a fee in the amount set by Section 106.2 of this Code.

V-300-2.10

Section 105.4.2.2 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.4.2.2 Electronic documents. The fire code official may require electronic base documents for all construction documents, operational permits, and/or modified drawings for the need of Fire Department inspections and/or operations. The fire code official shall designate the software base format for the electronic documents.

V-300-2.11

Section 105.6 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

105.6 Required operational permits. The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.6.1 through 105.6.62.

V-300-2.12

Table 105.6.8 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

TABLE 105.6.8
PERMIT AMOUNTS FOR COMPRESSED GASES[1]

TYPE OF GAS	AMOUNT (cubic feet)[2] X 0.0283 for m^3
Corrosive	200
Flammable (except cryogenic and liquefied petroleum gases)	200
Highly toxic	Any amount
Inert and simple asphyxiant[3]	200
Irritant	200
Moderately toxic	20
Other health hazards	200
Oxidizing (including oxygen)	200
Pyrophoric	Any amount
Radioactive	Any amount
Sensitizer	200
Toxic	Any Amount
Unstable (reactive)	Any amount

For SI: 1 cubic foot = 0.02832m^3.

1 Refer to Chapters 27, 30, 32, 35, 37, 40 and 41 for additional requirements and exceptions.
2 Cubic feet measured at normal temperature and pressure.
3 For Carbon dioxide systems used in beverages dispensing see Section 105.6.4.

V-300-2.13

Table 105.6.10 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

TABLE 105.6.10
PERMIT AMOUNTS FOR CRYOGENIC FLUIDS

TYPE OF CRYOGENIC FLUID	INSIDE BUILDING (gallons)	OUTSIDE BUILDING (gallons)
Flammable	More than 1	55
Inert	55	55
Oxidizing (includes oxygen)	10	50
Physical or health hazard not indicated above	Any Amount	Any Amount

For SI: 1 gallon = 3.785 L

V-300-2.14

Section 105.6.16, subsections (3.), (10.) and (11.) of the California Fire Code, 2019 Edition, are amended to read as follows:

3. To store, handle or use Class II or Class IIIA liquids in excess of 25 gallons (95L) in a building or in excess of 55 gallons (227 L) outside a building, except for fuel oil used in connection with oil-burning equipment.

10. To engage in the dispensing of liquid fuels into the fuel tanks of motor vehicles at commercial, industrial, governmental or manufacturing establishments in accordance with Section 5706.5.4 or to engage in on-demand mobile fueling operations in accordance with Section 5707.

11. To utilize a site for the dispensing of liquid fuels from tank vehicle into the fuel tanks of motor vehicles, marine craft and other special equipment at commercial, industrial, governmental or manufacturing establishments in accordance with Section 5706.5.4 or to utilize a site for on-demand mobile fueling operations in accordance with Section 5707.

V-300-2.15

Table 105.6.20 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

TABLE 105.6.20
PERMIT AMOUNTS FOR HAZARDOUS MATERIALS[1]

TYPE OF MATERIAL	AMOUNT
Carcinogens	10 pounds
Combustible liquids	
Inside	25 gallons
Outside	55 gallons
Corrosive materials:	
Gases	See Table 105.6.8
Liquids	55 gallons
Solids	500 pounds
Cryogens	See Table 105.6.10
Explosive materials	Any Amount
Flammable materials:	
Gases	See Table 105.6.8
Liquids	See Section 105.6.16
Solids	10 pounds
Highly toxic materials:	
Gases	Any amount
Liquids	Any amount
Solids	Any amount
Moderately toxic gas	20 cubic feet
Organic peroxides:	
Liquids: Class I-II	Any Amount
Liquids: Class III	1 gallon
Liquids: Class IV	2 gallons
Liquids: Class V	No Permit Required
Solids: Class I-II	Any Amount
Solids: Class III	10 pounds
Solids: Class IV	20 pounds
Solids: Class V	No Permit Required
Oxidizing materials:	
Gases	See Table 105.6.8
Liquids: Class 4	Any amount
Liquids: Class 3	1 gallon
Liquids: Class 2	10 gallons
Liquids: Class 1	55 gallons
Solids: Class 4	Any amount
Solids: Class 3	10 pounds
Solids: Class 2	100 pounds
Solids: Class 1	500 pounds
Other health hazards:	

TYPE OF MATERIAL	AMOUNT
Liquids	55 gallons
Solids	500 pounds
Pyrophoric materials:	
Gases	Any amount
Liquids	Any amount
Solids	Any amount
Radioactive materials:	
Gases	Any Amount
Liquids	See Section 105.6.48
Solids	See Section 105.6.48
Toxic materials:	
Gases	Any amount
Liquids	10 gallons
Solids	100 pounds
Unstable (reactive) materials:	
Liquids	
Class 4 & 3	Any Amount
Class 2	5 gallons
Class 1	10 gallons
Solids	
Class 4 & 3	Any Amount
Class2	50 pounds
Class 1	100 pounds
Water-reactive materials:	
Liquids	
Class 3	Any amount
Class 2	5 gallons
Class 1	55 gallons
Solids	
Class 3	Any Amount
Class 2	50 pounds
Class 1	500 pounds

For SI: 1 gallon = 3.785 L, 1 pound = 0.454kg.

V-300-2.16

Section 105.6.47 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

105.6.47 Temporary membrane structures, tents and canopies. An operational permit is required to operate an air-supported temporary membrane structure or a tent having an area in excess of 200 square feet (19 m^2), or a canopy in excess of 400 square feet (37 m^2). Smaller tents or canopies set side by side are considered as one, unless separated from each other by 10 feet on all sides.

Exceptions:

1. Tents used exclusively for recreational camping purposes.

V-300-2.17

Section 105.6.52 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.52 Radioactive materials. To store or handle at any installation more than one microcurie (37,000 becquerel) of radioactive material not contained in a sealed source or more than 1 millicurie (37,000,000 becquerel) of radioactive material in a sealed source or sources, or any amount of radioactive material for which a specific license(s) from the Nuclear Regulatory Commission is required.

V-300-2.18

Section 105.6.53 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.53 Day care facility. An operational permit is required to operate a large family day care home facility, a Group E day care facility or a Group I-4 day care facility.

V-300-2.19

Section 105.6.54 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.54 Emergency responders radio coverage system. An operational permit is required to operate an emergency responders radio coverage system in accordance with Section 510.

V-300-2.20

Section 105.6.55 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.55 Woodworking. An operational permit is required to conduct woodworking operations involving mass production or involving more than one of each type of machine, or where machines are used continuously (as opposed to intermittently) or substantial products of sawdust may be a problem.

V-300-2.21

Section 105.6.56 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.56 Private school. An operational permit is required to operate a private school Group E or a heritage school (CA Education Code Section 33195.4).

V-300-2.22

Section 105.6.57 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.57 Additive manufacturing. An operational permit is required to conduct additive manufacturing operations as covered in Section 321.3.

V-300-2.23

Section 105.6.58 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.58 **Battery systems.** An operational permit is required to operate stationary storage battery systems regulated by Section 1206.2.

V-300-2.24

Section 105.6.59 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.59 Lithium batteries. An operational permit is required to handle or store more than 1,000 pounds (454 kg) of lithium batteries not otherwise covered by Section 105.6.58.

V-300-2.25

Section 105.6.60 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.60 B Occupancy restaurants. An operational permit is required to operate a B Occupancy restaurant.

V-300-2.26

Section 105.6.61 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.61 Water base fire protection systems. An operational permit is required to conduct inspections, testing and maintenance of a water base fire protection system in conformance with the CA Code of Regulations, Title 19, Division 1, Chapter 5.

V-300-2.27

Section 105.6.62 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.6.62 On-demand mobile fueling operations. An operational permit is required to conduct on-demand mobile fueling operations. An independent permit is required for the site and the vendor/mobile fuel operator.

V-300-2.28

Section 105.7 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

105.7 Required construction permits. The fire code official is authorized to issue construction permits for work as set forth in Sections 105.7.1 through 105.7.26.

V-300-2.2.29

Section 105.7.5 of the California Fire Code, 2019 Edition, is amended to read as follows:

105.7.5 Cryogenic fluids. A construction permit is required for the installation of or alteration to stationary cryogenic fluid storage systems where the system capacity exceeds the amounts listed in Table 105.6.10. Maintenance performed in accordance with this Code is not considered to be an alteration and does not require a construction permit.

V-300-2.30

Section 105.7.25 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

105.7.25 Temporary membrane structures, tents and canopies. A construction permit is required to erect an air-supported temporary membrane structure or a tent having an area in excess of 200 square feet (19 m^2), or a canopy in excess of 400 square feet (37 m^2). Smaller tents or canopies set side by side are considered as one, unless separated from each other by 10 feet on all sides.

Exceptions:

1. Tents used exclusively for recreational camping purposes

V-300-2.31

Section 105.7.26 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

105.7.26 Other building permits. The Building Department shall transmit to the Fire Department a copy of each plan submitted for construction, alteration, or change of use or occupancy for all occupancy classifications for review and approval for conformance to the fire code of the City of Milpitas. The fee for each permit shall be as set by Section 106.2 of this Code.

V-300-2.32

Section 106.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

106.2 Schedule of permit fees. The fee for each permit shall be as set forth by resolution of the City of Milpitas City Council. The City Council may establish fees sufficient to recover its costs in administering this Code and no permit shall be issued until such fees have been paid. For work not disclosed in the fee schedule set by Council, the fire code official has the right to assess the necessary fees to recover the Fire Department's cost.

Operational Permits. All fees for annual operational fire permits under the provision of Section 105.6 of this Chapter shall be due and payable at the time of commencement of occupancy and said permit shall expire by December 31 of the same year. Fees for the renewal of such permit(s) shall be due and payable upon the expiration of the prior permit. No permit fee hereunder shall be refundable by reason of the cessation of occupancy during the permit period. Every annual permit fee that is not paid within a period of thirty (30) days from the time the same become due is hereby declared to be delinquent, and a penalty of 100% shall be added to say fee.

V-300-2.33

Section 107.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

107.1 Inspection authority. The fire code official is authorized to inspect, as often as necessary, buildings and premises, including such other hazards or appliances designated by the fire code official for the purposes of ascertaining and causing to be corrected any conditions which would reasonably tend to cause fire or contribute to its spread, result in an unauthorized discharge of hazardous materials, or any violation of this Code or any other law or standard affecting fire and life safety. The fee for each inspection shall be as set forth by resolution of the City Council. The City may establish fees sufficient to recover its costs in administering this Chapter.

V-300-2.34

Section 107.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

107.5 Documents. Any person or party who prevents or attempts to prevent any fire code official from examining any relevant books or records in the conduct of his or her official duties under this Code shall be in violation of this Code.

V-300-2.35

Section 107.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

107.6 Evidence. Any person or party who prevents or interferes with the preservation of evidence of any violation of any of the provisions of this Code or of the rules and regulations promulgated pursuant to this Code or any other Federal, State, or local law, rule, or regulation shall be in violation of this Code.

V-300-2.36

Section 107.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

107.7 Interference. Any person or party who willfully prevents, interferes with, or attempts to hinder in any way the work of the fire code official in the lawful enforcement of any provision of this Code, or fails to promptly permit entry for the purpose of inspection and examination pursuant to this Code shall be in violation of this Code.

V-300-2.37

Section 109.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

109.1 Appeals. Whenever the Fire Chief or his or her designee disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of this Code do not apply or that the true intent and meaning of this Code have been misconstrued or wrongly interpreted, the applicant may appeal from the decision of the Fire Chief to the City Council or designee within ten (10) calendar days from the date of the decision appealed. Appeals shall be carried out pursuant to the provisions of Section 5 Appeals to Council of Chapter 20 Standard Procedures of Title I of the Milpitas Municipal Code. An appeal shall stay all proceedings in furtherance of the act or decision appealed unless the Fire Chief or his or her designee whose act is appealed shall certify in writing that a stay would, in his or her opinion, cause peril to life or property. Said certificate shall contain a detailed statement of the facts of which said peril arises and of the reasons for said opinion. The decision of the City Council or designee shall be final.

V-300-2.38

Section 109.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

109.2 Limitations on authority. An application for appeal shall be based on a claim that the intent of this Code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this Code do not fully apply, or an equivalent method of protection or safety is proposed.

V-300-2.39

Section 109.3 of the California Fire Code, 2019 Edition, is deleted in its entirety.

109.3 Qualifications. This section is deleted.

V-300-2.40

Section 110.1.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.1 Abatement of fire and life safety hazards by fire code official. If any person fails to comply with the orders of the fire code official, or if the fire code official is unable to locate the owner, operator, occupant or other person responsible within a reasonable time, the fire code official or any authorized representative may take such steps as are necessary to abate the hazard for the protection of the public safety. In no event is notice necessary before abatement, when the hazard is a clear and present danger to the public welfare. All costs related to such abatement shall become a lien or special assessment on the subject property.

V-300-2.41

Section 110.1.2 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.2 Criminal or civil penalty for violation; payment of funds to account. Pursuant to the City's prosecutorial discretion, the City may enforce violations of the provisions of this Code in any manner authorized by this section or by any other law, including but not limited to issuance of criminal citations, referral to the District Attorney, referral to the City Attorney, referral to other appropriate agencies, administrative actions and civil actions.

V-300-2.42

Section 110.1.3 hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.3 Misdemeanors – continuing violations. Any person who violates any of the provisions of this Code, any of the provisions of any written authority of the City Manager or his or her duly authorized agents and representatives or any provision of any permit issued pursuant to this Code shall be guilty of an infraction/misdemeanor. Each and every day, or any part thereof, during which any such violation is committed, continued or allowed shall be a separate offense. Penalties for violations shall be as set forth by resolution of the City Council.

V-300-2.43

Section 110.1.4 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.4 Prosecution. Every violation of this Code shall be a misdemeanor; provided, however, that where the City Attorney or his or her duly authorized agents has determined that such action would be in the best interest of justice, the City Attorney may specify in the accusatory pleading, citation or amendment thereto that the violation shall be prosecuted as an infraction.

V-300-2.44

Section 110.1.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.5 Penalty for infraction. Each and every violation of this Code, which is deemed an infraction, is punishable by:

(1) A fine not exceeding one hundred dollars ($100.00) for the first violation;
(2) A fine not exceeding two hundred dollars ($200.00) for the second violation of the same provision within one-year period; or,
(3) A fine not exceeding five hundred dollars ($500.00) for each additional violation, after the second, of the same provision of this Chapter within a one-year period of the first violation.

V-300-2.45

Section 110.1.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.6 Penalty for misdemeanor. Each and every violation of this Code, which is deemed a misdemeanor, is punishable by a penalty of not more than one thousand dollars ($1,000.00) or by imprisonment in the City or County jail for a period not exceeding six (6) months, or, by both penalty and imprisonment.

V-300-2.46

Section 110.1.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.7 Enforcement authority. The following designated employee positions may enforce the provisions of this Code by issuance of citations. Peace officers and persons employed in such positions are authorized to exercise the authority

provided in Penal Code Section 836.5 and are authorized to issue citations for violations of this Code. The designated employee positions are: the City Manager or his or her duly authorized agents and representatives.

V-300-2.47

Section 110.1.8 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

110.1.8 Civil penalties. Any person who intentionally, accidentally or negligently violates any provision of this Code, any written authority of the City Manager or his or her duly authorized agents and representatives, or any provision of any permit issued pursuant to this Code may be civilly liable to the City in the sum of not less than one hundred dollars ($100.00) but not to exceed one thousand dollars ($1,000.00) per day for each day in which such violation occurs or continues. The City may petition the municipal or superior court to impose, assess, and recover such sums. The civil penalty provided in this Section excludes inspection costs and abatement costs, is cumulative and not exclusive, and shall be in addition to all other remedies available to the City under state and federal law and local ordinances. Funds collected pursuant to this Section shall be paid to the City's Fire Prevention account, which shall be a holding account to be used solely for Fire Code enforcement, fire prevention and hazardous materials training, and for the purchase of equipment as needed for the performance of the fire code official duties.

V-300-2.48

Section 202 of the California Fire Code, 2019 Edition, is amended by adding the following definitions:

CARCINOGEN is a substance that causes the development of cancerous growths in living tissue. A chemical is considered a carcinogen if:

1. It has been evaluated by the International Agency for Research on Cancer and found to be a carcinogen or potential carcinogen,
2. It is listed as a carcinogen or potential carcinogen in the latest edition of the Annual Report on Carcinogens published by the National Toxicology program, or
3. It is regulated by OSHA as a carcinogen.

CORROSIVE LIQUID. Corrosive liquid is:

1. any liquid which, when in contact with living tissue, will cause destruction or irreversible alteration of such tissue by chemical action;
2. any liquid having a pH of 2 or less or 12.5 or more;
3. any liquid classified as corrosive by the U.S. Department of Transportation; or
4. any material exhibiting the characteristics of corrosivity in accordance with Title 22, California Code of Regulations §66261.22.

DEVICE is an appliance or piece of equipment that plays an active part in the proper functioning of the regulated systems. Examples include, but are not limited to the following: smoke detectors, heat detectors, flame detectors, manual pull stations, horns, alarms, bells, warning lights, hydrants, risers, FDCs, standpipes, strobes, control panels, transponders, and other such equipment used to detect, transmit, initiate, annunciate, alarm, or respond according to the system design criteria.

MAXIMUM THRESHOLD QUANTITY (MAX TQ). Maximum Threshold Quantity (Max TQ) is the maximum quantity of a moderately toxic or toxic gas, which may be stored in a single vessel before a more stringent category of regulation is applied.

MINIMUM THRESHOLD QUANTITY. Minimum threshold quantity is the aggregate quantity of highly toxic, toxic or moderately toxic gas in a control area which, due to the minimum aggregate quantities, need only comply with the requirements set forth in Section 6004.1.

MODERATELY TOXIC GAS. A chemical or substance that has a median lethal concentration (LC50) in air more than 2000 parts per million but not more than 5000 parts per million by volume of gas or vapor, when administered by continuous inhalation for an hour, or less if death occurs within one hour, to albino rats weighing between 200 and 300 grams each.

OTHER HEALTH HAZARD MATERIAL is a material which is an irritant, sensitizer, or carcinogen or a material which affects target organs of the body, including but not limited to, those materials which produce liver damage, kidney damage, damage to the nervous system, act on the blood to decrease hemoglobin function, deprive the body tissue of oxygen or affect reproductive capabilities, including mutations (chromosomal damage) or teratogens (effect on fetuses).

SECONDARY CONTAINMENT. Secondary containment is that level of containment that is external to and separate from primary containment and is capable of safely and securely containing the material, without discharge, for a period of time reasonably necessary to ensure detection and remedy of the primary containment failure.

SENSITIZER is a chemical that causes a substantial proportion of exposed people or animals to develop an allergic reaction in normal tissue after repeated exposure to the chemical.

SPILL CONTROL. That level of containment that is external to and separate from the primary containment and is capable of safely and securely containing the contents of the largest container and prevents the materials from spreading to other parts of the room.

TEMPORARY shall not exceed one year.

WORKSTATION is a defined space or independent principal piece of equipment using hazardous materials with a hazard rating of 3 or 4 in accordance with NFPA 704 where a specific function, laboratory procedure or research activity occurs. Approved or listed hazardous materials storage cabinets, flammable liquid storage cabinets or gas cabinets serving a workstation are included as part of the workstation. A workstation is allowed to contain ventilation equipment, fire protection devices, electrical devices, and other processing and scientific equipment.

V-300-2.49

Chapter 3, General Requirements, of the California Fire Code, 2019 Edition is hereby adopted and amended as follows:

V-300-2.50

Section 311.5 of the California Fire Code, 2019 Edition, is hereby amended as follows:

The following sections are deleted:
Section 311.5 Placards.
Section 311.5.1 Placard Location.
Section 311.5.2 Placard Size And Color.
Section 311.5.3 Placard Date.
Section 311.5.4 Placard Symbols.
Section 311.5.5 Informational Use.

V-300-2.51

Sections 315.8 to 315.8.10 are hereby added to the California Fire Code, 2019 Edition, as follows:

315.8 Lithium battery storage and handling. The storage and handling of lithium ion and lithium metal batteries or cells in quantities exceeding 1,000 pounds (4086 kg) shall comply with Section 315.8.1 through 315.8.10, and Chapter 32 where applicable.

315.8.1 Permits. Permits shall be required as set forth in Section 105.6.59.

315.8.2 Maximum quantity in a fire area. The aggregate amount of lithium batteries stored and handled in a single fire area shall not exceed 9,000 pounds (4086 kg).

315.8.3 Construction requirements. Fire areas shall be separated from each other by fire barriers having not less than 2-hour fire resistance rating constructed in accordance with Section 707 of the Building Code and horizontal assemblies constructed in accordance with Section 711 of the Building Code.

315.8.4 Number of fire areas. The maximum number of fire areas within a building shall be four.

315.8.5 Group H, Division 2 occupancy. Storage and handling of more than 9,000 pounds of lithium batteries per fire area shall be in an approved Group H, Division 2 occupancy constructed in accordance with the Building Code and provided throughout with approved automatic smoke detection and radiant-energy detection systems.

315.8.6 Automatic sprinkler system. Buildings containing fire areas used for lithium battery storage or handling shall be equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. The design of the sprinkler system within each fire area shall not be less than that required for Extra Hazard Group 2 with a minimum design area of 2,500 square feet. Where the storage arrangement is required by other provisions of this code to be provided with a higher level of sprinkler system protection, the higher level of sprinkler system protection shall be provided.

315.8.7 Automatic smoke detection system. An approved automatic smoke detection system that activates an approved occupant notification system shall be provided throughout each fire area in accordance with Section 907.

315.8.8 Radiant energy detection. An approved radiant-energy detection system that activates an approved occupant notification system shall be installed throughout each fire area in accordance with Section 907.

315.8.9 Collection containers. Containers used to collect, or store lithium batteries shall be noncombustible and shall not have an individual capacity exceeding 30 gallons (113.6 L) or be approved for transportation in accordance with the Department of Transportation (DOTn).

315.8.10 Storage configuration. Lithium batteries shall be considered a high-hazard commodity in accordance with Chapter 32 and where applicable, lithium battery storage shall comply with Chapter 32 in addition to Section 315.8.

V-300-2.52

Section 316.7 is hereby added to the California Fire Code, 2019 Edition, as follows:

316.7 Roof guardrails at interior courts. Roof openings into interior courts that are bounded on all sides by building walls shall be protected with guardrails. The top of the guardrail shall not be less than 42 inches in height above the adjacent roof surface that can be walked on. Intermediate rails shall be designed and spaced such that a 12-inch diameter sphere cannot pass through.

Exception: Where the roof opening is greater than 600 square feet in area.

V-300-2.53

Sections 321 to 321.3.4 are hereby added to the California Fire Code, 2019 Edition, as follows:

SECTION 321 Additive manufacturing.

321.1 General. Additive manufacturing equipment and operations shall comply with Section 321.

321.1.1 Scope. Additive manufacturing shall comply with one of the following:

1. Non-industrial additive manufacturing shall comply with Section 321.2.
2. Industrial additive manufacturing shall comply with Section 321.3.

321.1.2 Installation, operation and maintenance. 3D printers and associated additive manufacturing equipment shall be installed, operated and maintained in accordance with this Code, the listing and the manufacturer's instructions.

321.1.3 Production materials. Only the production materials listed for use with the equipment and included in the manufacturer's instructions shall be used.

321.2 Non-industrial additive manufacturing. Non-industrial additive manufacturing equipment and operations shall comply with Section 321.2.1 through 321.2.4. Additive manufacturing equipment and operations that do not comply with Section 321.2 shall comply with Section 321.3.

321.2.1 Listing. 3D printers used in non-industrial additive manufacturing shall be listed and labeled in accordance with UL 60950-1, UL 62368-1 or UL 2011. The listing shall also verify:

1. The 3D printers are self-contained and utilize maximum 30-liter pre-packaged production materials.
2. The operation of the 3D printers shall not create a hazardous (classified) electrical area outside of the unit.
3. If any hazardous (classified) electrical area or zone exists inside of the unit's outer enclosure, the area shall be protected by intrinsically safe electrical construction or other acceptable protection methods.
4. The 3D printers shall not utilize inert gas or an external combustible dust collection.

321.2.2 Occupancies. Non-industrial additive manufacturing shall be permitted in all occupancy groups.

321.3 Industrial additive manufacturing. Industrial additive manufacturing equipment and operations shall comply with Section 321.3.1 through 321.3.13.

321.3.1 Permits required. Permits shall be obtained from the fire code official in accordance with Section 105.6 prior to engaging in industrial additive manufacturing operations.

321.3.2 Listing. 3D printers used in industrial additive manufacturing shall be listed and labeled in accordance with UL 2011 or approved for the application based on a field evaluation conducted by an approved agency.

321.3.3 Combustible dusts and metals. Industrial additive manufacturing operations that store, use or produce combustible dust, combustible particulate solids or combustible metals shall comply with Chapter 22 and this code.

321.3.4 Powder evaluation. Printing powders used in industrial additive manufacturing operations shall be tested for combustibility in accordance with NFPA 484 or NFPA 652 as applicable. A copy of test reports shall be provided to the fire code official upon request.

V-300-2.54

Section 503 of the California Fire Code, 2019 Edition is adopted and Section 503.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

503.1 Where required. Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.7, Appendix D of this Code, and or as directed by the fire code official.

V-300-2.55

Section 503.2.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

503.2.1 Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm) or as required by Appendix D, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of 13 feet 6 inches (4115 mm).

Exception: When there are not more than two Group R, Division 3 or Group U occupancies less than 3 stories, the access road width may be modified by the fire code official.

V-300-2.56

Section 503.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

503.7 Adjacent access. No source of access from lands adjoining a property to be developed shall be considered fire apparatus access roads, unless there is obtained the irrevocable and unobstructed rights and recorded as an ingress/egress access easement with the Country of Santa Clara.

V-300-2.57

Section 504.3.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

504.3.1 Number of stairways. The fire code official shall determine the required number and location of stairway(s) to the roof.

V-300-2.58

Section 504.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

504.5 Enclosed courts. Buildings with enclosed courts shall be provided with readily accessible access for fire department personnel to bring in a 36 feet long ground ladder into the court. The access height and width shall be large enough to accommodate the ladder and the personnel carrying the ladder.

V-300-2.59

Section 504.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

504.6 Access Control Devices. When access control devices including bars, grates, gates, electric or magnetic locks or similar devices, which would inhibit rapid fire department emergency access to the building, are installed, such devices shall be approved by the fire code official. All access control devices shall be provided with an approved means for deactivation or unlocking by the fire department. Access control devices shall also comply with Chapter 10 Egress.

V-300-2.60

Section 505.3 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

505.3 Address illumination. All required address numbers shall be provided with illumination.

V-300-2.61

Section 507.5.1.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

507.5.1.1 Hydrant for automatic fire sprinkler and or standpipe systems. Buildings equipped with an automatic fire sprinkler system and or a standpipe system installed in accordance with Sections 903 and or 905 shall have a fire hydrant within 50 feet of the fire department connections.

Exception: The distance shall be permitted to exceed 50 feet (30 m) where approved by the fire code official.

V-300-2.62

Section 507.5.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

507.5.7 Private hydrants. Private hydrants shall have the bottom 6 inches of the hydrant painted, with a weather resistive paint, white in color.

V-300-2.63

Section 508.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

508.1 General. Where required by other sections of this Code and in all R-1 buildings with more than 200 rooms, R-2 buildings with more than 100 dwellings, and buildings classified as high-rise buildings by the California Building Code and Group I-2 occupancies having occupied floors located more than 75 feet above the lowest level of fire department vehicle access, a fire command center for fire department operations shal1 be provided and shall comply with Sections 508.1.1 through 508.1.7.

V-300-2.64

Section 508.1.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

508.1.2 Separation. The fire command center shall be separated from the remainder of the building by not less than a 2-hour fire barrier constructed in accordance with Section 707 of the California Building Code or horizontal assembly constructed in accordance with Section 711 of the California Building Code, or both.

V-300-2.65

Section 508.1.6 of the California Fire Code, 2019 Edition, is amended by adding the following:

20. A locking key box, approved by the fire code official, large enough for ten (10) sets of master keys.

21. Ten (10) sets of master keys for the building.

22. A complete set of architectural, electrical, mechanical and plumbing plans for the building.

V-300-2.66

Section 510.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.1 Emergency responder radio coverage in new buildings. Approved radio coverage for emergency responders shall be provided within all buildings meeting any one of the following conditions:

1. There are more than 3 stories above grade plane (as defined by the Building Code Section 202);
2. The total building area is 30,000 square feet or more;
3. The total basement area is 5,000 square feet or more;
4. Where required by the fire code official and radio coverage signal strength levels are not consistent with the minimum levels set forth in Section 510.4.1

Exceptions:

1. Where approved by the fire code official, a wired communication system in accordance with Section 907.2.12.2 shall be permitted to be installed or maintained in lieu of an approved radio coverage system.

2. Where it is determined by the fire code official that the radio coverage system is not needed.
3. In facilities where emergency responder radio coverage is required and such systems, components or equipment required could have a negative impact on the normal operations of that facility, the fire code official shall have the authority to accept an automatically activated emergency responder radio coverage system.
4. Buildings and areas of buildings that have minimum radio coverage signal strength levels of the Silicon Valley Regional Interoperability Authority (SVRIA) P25 Phase 2 700 MHz Digital Trunked Radio System within the building in accordance with Section 510.4.1 without the use of an indoor radio coverage system.

   The radio coverage system shall be installed and maintained in accordance with Sections 510.4 through 510.6.4 of this Code and with the applicable provisions of NFPA 1221, Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems.

   The coverage shall be based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. This section shall not require improvement of the existing public safety communication systems.

V-300-2.67

Section 510.1.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

510.1.1 Obstruction by new buildings. No obstruction of the public safety system backhaul shall be allowed without an approved mitigating plan.

V-300-2.68

Section 510.2 of the California Fire Code, 2019 Edition, is deleted.

V-300-2.69

Section 510.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.3 Permit required. A construction permit for the installation of or modification to emergency responder radio coverage systems and related equipment is required as specified in Section 105.7.6. Maintenance performed in accordance with this Code is not considered a modification and does not require a permit. A frequency change made to an existing system is considered to be new construction and will require a construction permit.

An operational permit may be required by the authority having jurisdiction to maintain an emergency responder radio coverage system.

V-300-2.70

Section 510.3.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

501.3.1 California registered professional. The plans and specifications shall be wet stamped and signed by a California professional engineer or architect per the California Business and Professional Code Sections 5538 and 6745, in addition to a valid California FCC registered licensee.

V-300-2.71

Section 510.4 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.4 Technical requirements. Systems, components, and equipment required to provide emergency responder radio coverage systems shall comply with the current Emergency Responders Radio Coverage Systems Standard Details and Specifications enforced by the Milpitas Fire Department.

V-300-2.72

Section 510.4.1.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.4.1.1 Minimum signal strength into the building. A minimum inbound signal strength shall be sufficient to provide usable voice communications throughout the coverage area as specified by the fire code official. The inbound signal level shall be sufficient to provide not less than a Delivered Audio Quality (DAQ) of 3.0 for analog communications and DAQ of 3.4 for digital communications systems or n equivalent Signal-to-Interference-Plus-Noise Radio (SINR) applicable to the technology.

V-300-2.73

Section 510.4.1.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.4.1.2 Minimum signal strength out of the building. The minimum outbound signal strength shall be sufficient to provide usable voice communications throughout the coverage area as specified by the fire code official. The outbound signal level shall be sufficient to provide not less than a DAQ of 3.0 for analog communications and DAQ of 3.4 for digital communications systems or an equivalent SINR applicable to the technology.

V-300-2.74

Section 510.4.2.5 of the California Fire Code, 2019 Edition, is amended to read as follows:

501.4.2.5 System monitoring. The emergency responder radio enhancement system shall be monitored as required below:

1. By a listed f ire alarm control unit installed with the protected building. Automatic supervisory signals to the fire alarm shall include all the following:

1.1. Loss of normal AC power supply.
1.2. System battery charger(s) failure.
1.3. Malfunction of the donor antenna(s).
1.4. Malfunction of area antenna(s).
1.5. Failure of active RF-emitting device(s).
1.6. Low-battery capacity at 70-percent reduction of operating capacity.
1.7. Failure of critical system components.
1.8. The communications link between the fire alarm system and the emergency responder radio enhancement system.

2. System performance shall be continuously monitored by an approved third-party monitoring company capable of monitoring the performance of the ERRC system and initiating an appropriate response if the system begins to operate outside of the established system parameters.

V-300-2.75

Section 510.4.2.5.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

501.4.2.5.1 Remote off-switch. The emergency responder radio coverage system shall be equipped with a remote off-switch that can be initiated by the third-party monitoring company with approval of the fire department if the system begins to operate outside of established system parameters.

V-300-2.76

Section 510.5 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.5 Installation requirements. The installation of the emergency responder radio coverage system shall be in accordance with NFPA 1221 and the current Emergency Responder Radio Coverage Systems Standard Details and Specification enforced by the Milpitas Fire Department.

V-300-2.77

Section 510.5.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

510.5.1 Approval prior to installation. Amplification systems capable of operating on frequencies licensed to any public safety agency by the FCC or other radio licensing authority shall not be installed without prior coordination and approval of the fire code official and the agency FCC license holder or systems administrator.

V-300-2.78

Section 510.5.3 first paragraph of the California Fire Code, 2019 Edition, is amended to read as follows:

510.5.3 Acceptance test procedure and system certification. Where an emergency responder radio coverage system is required, and upon completion of installation, the building owner shall have the radio system tested to verify that two-way coverage on each floor of the building is not less than 95 percent. Final system acceptance will require ERRCS power level and DAQ testing with agency FCC license holder, systems administrators, or designee. The test procedure shall be conducted as follows:

V-300-2.79

Section 605.18 hereby added to the California Fire Code, 2019 Edition, to read as follows:

605.18 Immersion heaters. All electrical immersion heaters used in dip tanks, sinks, vats and similar operations shall be provided with approved over-temperature controls and low liquid level electrical disconnects. Manual reset of required protection devices shall be provided.

V-300-2.80

Section 606.1.1 hereby added to the California Fire Code, 2019 Edition, to read as follows:

606.1.1 New elevators. All new passenger service elevators shall meet the medical service elevator requirements in the California Building Code, 2019 Edition, Chapter 30.

V-300-2.81

Section 903.1.2 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.1.2 Fire Walls and Fire Barriers. Fire walls and fire barriers shall not be considered to create separate buildings for the purpose of automatic fire sprinkler requirements as set forth in Chapter 9 of this Code.

Exception: Buildings separated by continuous fire wall of 4-hour fire resistive construction without openings or penetrations. Buildings required to have automatic fire sprinkler protection as set forth in Section 13113 of Health and Safety Code are prohibited from using fire walls in lieu of automatic fire sprinkler protection.

V-300-2.82

Section 903.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

903.2 Where Required. Approved automatic sprinkler systems in new and existing buildings and structures shall be provided in the locations described in this Section or per the requirements set forth in Sections 903.2.1 through 903.2.20, whichever is the more restrictive:

1. In other than residential buildings which require the installation of fire sprinkler for all new buildings according to the California Residential Code, an automatic sprinkler system shall be provided throughout all new buildings and structures greater than 1,000 square feet of building area.

Exception: Group S-2 or U occupancies used exclusively for vehicle parking and which meet all of the following:

a. Noncombustible construction.

b. Maximum building area not to exceed 5,000 square feet. Structures with less than 10' horizontal separation are considered as one.

c. Structure is open on three (3) or more side.

d. Minimum of 10 feet separation from existing buildings unless area is separated by fire walls complying with California Building Code.

2. An automatic fire sprinkler system shall be provided throughout existing Group A, B, E, F, L, M, S and U buildings and structures, when additions are made that increase the building area to more than 3,600 square feet or that create conditions described in Sections 903.2.1 through 903.2.20.

3. An automatic sprinkler system shall be provided throughout existing Group R occupancies when additions are made that increase the building area to more than 3,600 square feet, or when the Building Department determines that the home needs to comply with the current CA Building Codes due to extensive remodel/renovation.

4. An automatic sprinkler system shall be provided throughout all new basements regardless of size and throughout existing basements that are expanded by more than 50%.

5. Any change in the character of occupancy or in use of any building with a building area equal to or greater than 3,600 square feet which, in the opinion of the fire code official or building official, would place the building into a more hazardous division of the same occupancy group or into a different group of occupancies and constitutes a greater degree of life safety[1] or increased fire risk[2], shall require the installation of an approved fire automatic fire sprinkler system.

1. Life Safety – Increased occupant load, public assembly areas, public meeting areas, churches, indoor amusement attractions, buildings with complex exiting systems due to increased occupant loads, large schools/day-care facilities, large residential care facilities with non-ambulatory

2. Fire Risks – High-piled combustible storage, woodworking operations, hazardous operations using hazardous materials, increased fuel loads (storage of moderate to highly combustible materials), increased sources of ignition (welding, automotive repair with the use of flammable liquids and open flames).

V-300-2.83

Section 903.3.1.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

903.3.1.1 NFPA 13 sprinkler systems. Where the provisions of this Code require that a building or portion thereof be equipped throughout with an automatic sprinkler system in accordance with this section, sprinklers shall be installed throughout in accordance with NFPA 13 as amended in Chapter 80 except as provided in Section 903.3.1.1.1 and 903.3.1.1.2.

For a new building having no designated use or tenant, the minimum sprinkler design density shall be Ordinary Hazard Group 2. Where future use or tenant is determined to require a higher density, the sprinkler system shall be augmented to meet the higher density.

V-300-2.84

Section 903.3.1.4 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.3.1.4 One sprinkler design. One sprinkler head design shall not be permitted.

V-300-2.85

Section 903.3.5.3 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.3.5.3. Riser location. The fire sprinkler system riser shall not be located within electrical rooms or storage closets and shall be provided with clear access and working clearance. The fire sprinkler system riser location shall be approved by the fire code official.

V-300-2.86

Section 903.3.5.4 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.3.5.4 Number of water supplies. For buildings and or structures over 200,000 square feet, the fire code official may require more than one source of water supply.

V-300-2.87

Section 903.3.5.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.3.5.5 Sprinkler riser system. The sprinkler riser system shall be a manifold type system and shall meet the design requirements of the NFPA 13 Standards.

V-300-2.88

Section 903.3.5.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.3.5.6 Water supply safety margin. Hydraulic design for the automatic fire sprinkler system shall provide a minimum of 20% safety margin.

Exception: The fire code official may grant a reduction in the required safety margin for existing buildings but not less than 10%.

V-300-2.89

Section 903.3.5.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

903.3.5.7 Sprinkler pipe velocity. The automatic fire sprinkler system shall be designed to a maximum 20 feet per second water flow.

Exception: The fire code official may grant higher water velocity for existing buildings when supported by mechanical engineering design done by a California registered engineer.

V-300-2.90

Section 907.2.9.1 of the California Fire Code, 2016 Edition, is amended to delete the following:

907.2.9.1 Manual fire alarm system. Exception 3. is deleted.

V-300-91

Section 913.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

913.7 Fire Pump standby power. Power supply form local utility provider is not considered a reliable source of power. Standby power is required for electrical or natural gas fire pumps.

V-300-2.92

Section 914.2.1 of the California Fire Code, 2019 Edition, is amended to delete the exception:

914.2.1 Automatic sprinkler systems exception is deleted.

V-300-2.93

Section 914.3.1 of the California Fire Code, 2019 Edition, is amended to delete the exception:

914.3.1 Automatic sprinkler systems exception is deleted.

V-300-2.94

Section 914.3.9 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

914.3.9 Anchor devices. Anchor repelling devices meeting the Fire department requirements shall be placed on the roof for Fire department use.

V-300-2.95

Section 914.3.10 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

914.3.10 Helicopter pad. High-rise buildings greater than 150' in height (above the lowest level of Fire department access) may be required to provide a helicopter pad, which meets the requirements of the Fire department.

V-300-2.96

Section 914.4.1 of the California Fire Code, 2019 Edition, is amended to delete the exceptions:

914.4.1 Automatic sprinkler systems exceptions 1 and 2 are deleted.

V-300-2.97

Section 914.6.1 of the California Fire Code, 2019 Edition, is amended to delete the exceptions:

914.6.1 Automatic Sprinkler Systems exceptions 1 and 2 are deleted.

V-300-2.98

Section 914.12 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

914.12 Special Provisions For Group B office Buildings and Group R Division 1 and 2 Occupancies. All Group B office buildings and Group R, Division 1 & 2 Occupancies, each having floor used for human occupancy located more than 60 feet above the lowest level of Fire Department vehicle access, or more than 4 stories in height shall provide the following:

1. Equipment cache rooms shall be located on the 1st floor above the ground floor, and every other floor thereafter, or as directed by the fire code official.
   a. Cache rooms shall be located and accessible from within the rated stair enclosures.

b. Prior to the purchase of the fire department cache room equipment and or materials a complete list of the equipment and or materials with all necessary cut-sheets shall be submitted to the fire department for review and approval.
c. Due to operational needs, the fire code official reserves the right to make changes to the required equipment and or materials listed under item 2 below.

2. Each equipment storage room size should be a minimum of 4' deep, full height (8' to 9'), with a door the minimum width of 43". A roll-up door can be used provided it has a 43" minimum width and unobstructed access. It shall have a power outlet to provide electricity, a light (connected to a 'timer'), be sprinklered, and be locked with a 'break-away' type lock. Fixed shelving[1] shall be provided in a configuration approved by the fire agency to store items that may include, but not be limited to:

Item	ITEM DESCRIPTION	PART NUMBER	PER ROOM
1)a	2.5 Inch Hose Pack Straps	Turning Out Solutions	24
1)b	2.5X50 Foot Durabuilt Hose	DB25X50YEN NAFH	8
1)c	Straight Tip 1-1/8 X 1.5 NH	FSS10TFT	2
1)d	Ball Valve 2.5 Female X 1.5 Male	J140F	2
1)e	Universal Spanner Wrench	00100001 AKR	2
1)f	Gated Wye	AYNJNF TFT	2
1)g	2 1/2 x 1 1/2 reducer	3725N15N	2
2)a	50' banded hose roll	DF817X50R15NH NAFH	2
2)b	Red Hose Ret. Bands	HRRBARC	2
3)	15' Stinger length hose	DF3X15Y25NH NAFH	2
4)	Halligan Style Tool	HAL1P36	1
5)a	Pick head axe	6PH36W	1
5)b	Flat head axe	6FH32W	1
6)	Attic ladder	10102LG LITTLE GIANT	1
7)	Ames Wrecking bar	75036	1
8)	Open door industries stops	WIY ODI	24
9)	Salvage Cover	14VSC1214GR GOS	4
10)	Spare Sprinkler heads (3) each type per bldg	To be Determined	3
11)	Sprinkler wrench	To be Determined	1
12)	Push cart for SCBA cylinders	MBR16 GROVES	1
13)a	RIT Pack	TRUE NORTH L-2 RIT BAG	1
13)b	Facemask	R56424 DRAGER	1
13)c	McGuire Diaper	RICTARP MCGUIRE	1
14)	Evacuation Chair	6252 STRYKER	2
15)a	Air Bottles 45 min Carbon Cylinder Clear	4058992 DRAGER	8
15)b	Air Bottles 60 min Carbon Cylinder Clear	4058993 DRAGER	1
15)c	Quick Release Adapter	4046162 DRAGER	8
15)d	Weather Guard Gasket	4058936 DRAGER	9
15)e	Pneumatic Dual Line w/ Whistle	4058936 DRAGER	1
15)f	LVD Assembly	3355679 DRAGER	1

[1] Shelving shall be every 16" after ladder placement is determined.

Item	ITEM DESCRIPTION	PART NUMBER	PER ROOM
16)	Red Webbing	200103 CMC	4
17)	D lock Carabiner	300221 CMC	2
18)	Wagan LED Flare	WAGAN EL2639-3 FRED	2
19)	Cable Cutter	UPB41 BEN NAW	1
20)	18 Inch Pipe Wrench	5862074118 Irwin	1
21)	30 Degree Elbow Adapter 2.5'	E253025N25N	4
22)	Encased Line Gauge 2.5 Redhead	155225N RH	2
23)	Speed Swivel	480-NST	1
24)	Adapter 1.5NHFRLX2.5NHM	3715N25N	2
25)	16" Large Mouth Tool Bag	67126-02 HUSKY	2
26)	Polytac Flashlight	88853 STRMLIT	2

3. Equipment maintenance, inspections, replacement and or equipment update and required certification(s) shall be the responsibility of the building owner and or owner's association.

   *The fire code official may require, an air bottle filling system shall have the fill access port located at a reasonable distance from each structure that takes into account debris fall out & collapse zones. A 'monument-type' fill station port should be located near a public roadway, not adjacent to the structure. The underground piping system, designed and installed with stainless steel welded fittings and piping, should terminate at this monument. A weather tight access panel with Knox-box key entry should also be provided. The storage system should be designed to provide enough air @ 4500 psig for up to fifty 45 minute bottles, prior to augmentation by an outside air source.

V-300-2.99

Section 916.8 of the California Fire Code, 2019 Edition, is amended to read as follows:

916.8 System activation. A gas detection alarm shall be initiated where any sensor detects a concentration of gas exceeding the following thresholds:

1. For flammable gases, a gas concentration exceeding 25 percent of the lower flammability limit (LFL).
2. For nonflammable gases, a gas concentration exceeding one-half of the 1DLH, unless a different threshold is specified by the section of this code requiring a gas detection system.

Upon activation of a gas detection alarm, alarm signals or other required responses shall be as specified by the section of this code requiring a gas detection system. Audible and visible alarm signals associated with a gas detection alarm shall be distinct from fire alarm and carbon monoxide alarm signals.

The audible alarm signals shall be in accordance with 907.5.2.1.1 and 907.5.2.1.2. The visual alarm notification appliances shall be in accordance with 907.5.2.3.

V-300-2.100

Section 1103.2 of the California Fire Code, 2019 Edition, is hereby adopted.

V-300-2.101

Section 1206.2.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.1 Permits. Permits shall be obtained for the installation and operation of stationary battery systems in accordance with Sections 105.6.58 and 105.7.2.

V-300-2.102

Section 1206.2.11.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.11.3 Ventilation. Where required by Section 1206.2.3 or 1206.2.12, ventilation of rooms containing stationary storage battery systems shall be provided in accordance with the California Mechanical Code and one of the following:

1. The ventilation system shall be designed to limit the maximum concentration or flammable gas to 25 percent of the lower flammable limit, or for hydrogen, 1.0 percent of the total volume of the room.

2. Continuous ventilation shall be provided at a rate of not less than 1 cubic foot per minute (cfm) per square foot [0.00508 m3/ (s · m2)] of the floor area, but not less than 150 cfm (4 m3/min).

3. Failure of the ventilation system shall automatically disengage the charging system.

The exhaust system shall be designed to provide air movement across all parts of the floor for gases having a vapor density greater than air and across all parts of the vault ceiling for gases having a vapor density less than air.

V-300-2.103

Section 1206.2.11.5 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.11.5 Spill control and neutralization. Where required by Section 1206.2.12, approved methods and materials shall be provided for the control and neutralization of spills of electrolyte or other hazardous materials in areas containing stationary storage batteries as follows:

1. For batteries with free flowing electrolyte, the method and materials shall be capable of neutralizing a spill of the total capacity from the largest cell or block to a pH between 5.0 and 9.0.
2. For batteries with immobilized electrolyte, the method and material shall be capable of neutralizing a spill of 3.0 percent of the capacity of the largest cell or block in the room to a pH between 5.0 and 9.0.

The spill control shall be designed and constructed in accordance with 5004.2.1.

V-300-2.104

Section 1206.2.12.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.12.1 Lead-acid storage batteries. Stationary storage battery systems utilizing lead-acid storage batteries shall comply with the following:

1. Ventilation shall be provided in accordance with Section 1206.2.11.3.
2. Spill control and neutralization shall be in accordance with Section 1206.2.11.5.
3. The spill control system shall be monitored in accordance with 5004.2.2.5.
4. Thermal runaway protection shall be provided for valve-regulated lead-acid (VRLA) storage batteries in accordance with Section 1206.2.10.7.
5. The signage in Section 1206.2.8.6 shall indicate that the room contains lead-acid batteries

V-300-2.105

Section 1206.2.12.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.12.2 Nickel-cadmium (Ni-Cd) storage batteries. Stationary storage battery systems utilizing nickel-cadmium (Ni-Cd) storage batteries shall comply with the following:

1. Ventilation shall be provided in accordance with Section 1206.2.11.3.
2. Spill control and neutralization shall be in accordance with Section 1206.2.11.5.
3. The spill control system shall be monitored in accordance with 5004.2.2.5.
4. Thermal runaway protection shall be provided for valve-regulated sealed nickel-cadmium storage batteries in accordance with Section 1206.2.10.7.
5. The signage in Section 1206.2.8.6 shall indicate the room contains nickel-cadmium batteries.

1206.2.12.3 Lithium-ion storage batteries.

V-300-2.106

Section 1206.2.12.5 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.12.5 Flow storage batteries. Stationary storage battery systems utilizing flow storage batteries shall comply with the following:

1. Ventilation shall be provided in accordance with Section 1206.2.11.3.
2. Spill control and neutralization shall be in accordance with Section 1206.2.11.5.
3. The spill control system shall be monitored in accordance with 5004.2.2.5.
4. The signage required in Section 1206.2.8.6 shall indicate the type of flow batteries in the room.

V-300-2.107

Section 1206.2.12.6 of the California Fire Code, 2019 Edition, is amended to read as follows:

1206.2.12.6 Other battery technologies. Stationary storage battery systems utilizing battery technologies other than those described in Sections 1206.2.12.1 through 1206.2.12.5 shall comply with the following:

1. Gas detection systems complying with Section 916 shall be provided in accordance with Section 1206.2.11.4 where the batteries have the potential to produce toxic or highly toxic gas in the storage room or cabinet in excess of the permissible exposure limits (PEL) during charging, discharging and normal system operation.
2. Mechanical ventilation shall be provided in accordance with Section 1206.2.11.3.
3. Spill control and neutralization shall be in accordance with Section 1206.2.11.5.
4. The spill control system shall be monitored in accordance with 5004.2.2.5.
5. In addition to the signage required in Section 1206.2.8.6, the marking shall identify the type of batteries present, describe the potential hazards associated with the battery type, and indicate that the room contains energized electrical circuits.

V-300-2.108

Section 2807.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

2807.6 Fire protection water supply system. An approved fire protection water supply and hydrant system suitable for the fire hazard involved shall be provided for open storage yards and processing areas. Hydrant systems shall be installed in accordance with NFPA 24 adopted by this Code.

V-300-2.109

Section 2808.11 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

2808.11 Fire protection water supply system. An approved fire protection water supply and hydrant system suitable for the fire hazard involved shall be provided for open storage yards and processing areas. Hydrant systems shall be installed in accordance with NFPA 24 adopted by this Code.

V-300-2.110

Section 3103.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

3103.2 Approval required. Tents and membrane structures having an area in excess of 200 square feet (19 m^2) and canopies in excess of 400 square feet (37 m^2) shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the fire code official. Smaller tents or canopies set side by side are considered as one, unless separated from each other by 10 feet on all sides.

Exceptions:

1. Tents used exclusively for recreational camping purposes.

V-300-2.111

Section 3304.8 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

3304.8 Fire Walls. When fire walls are required, the wall construction shall be completed (with all openings protected) immediately after the building is sufficiently weather-protected at the location of the wall(s).

V-300-2.112

Section 3311.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

3311.1 Stairways required. Each level above the first story in new multi-story buildings that requires two (2) exit stairways shall be provided with at least two (2) usable exit stairways after the floor decking is installed. The stairways shall be continuous and discharge to grade level. Stairways serving more than two (2) floor levels shall be enclosed (with openings adequately protected) after the exterior walls/windows are in place. Exit stairs in new and in existing, occupied buildings shall be lighted and maintained clear of debris and construction materials at all times.

Exception: For new multi-story buildings, one of the required exit stairs may be obstructed on not more than two (2) contiguous floor levels for the purposes of stairway construction (i.e., installation of gypsum board, painting, flooring, etc.).

V-300-2.113

Section 3311.1.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

3311.1.1 Required means of egress. All new buildings under construction shall have a least one unobstructed means of egress. All means of egress shall be identified in the prefire plan per Section 3308.2.

V-300-2.114

Section 5001.2.2.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

5001.2.2.2 Health hazards. The material categories listed in this section are classified as health hazards. A material with a primary classification as a health hazard can also pose a physical hazard.

1. Highly toxic and toxic materials.
2. Corrosive materials.
3. Moderately toxic gas.
4. Other health hazards.

V-300-2.115

Section 5001.5.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

5001.5.1 Hazardous materials management plan (HMMP). Where required by the fire code official, an application for a hazardous materials permit in accordance with Section 105.6 of this code shall include a Hazardous Materials Management Plan (HMMP).

The HMMP shall include the following:

a. Information consistent with that outlined in Sections H103 and H3 of Appendix H of this code.
b. A facility site plan designating the following:
   1. Access to each storage and use area.
   2. Location of emergency equipment.
   3. Location where liaison will meet emergency responders.
   4. Facility evacuation meeting point locations.
   5. The general purpose of other areas within the building.
   6. Location of all above-ground and underground tanks and their appurtenances including, but not limited to, sumps, vaults, below-grade treatment systems and piping.
   7. The hazard classes in each area.
   8. Locations of all control areas and Group H occupancies.
   9. Emergency exits.

The HMMP shall be readily available onsite.

[For SFM] The HMMP shall comply with Health and Safety Code, Chapter 6.95, Sections 25500 through 25545, and Title 19, Division 2, Chapter 4.

V-300-2.116

Section 5001.5.1.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5001.5.1.1 Submittal frequency. Facilities required to maintain a hazardous materials permit shall submit an updated or recertified HMMP within 12 months of the previous submittal, or within 30 days of a change, whichever occurs first.

Exceptions: The following facilities may submit an updated HMMP within 36 months of the previous submittal if no reportable changes have occurred:

1. Cell tower sites with no hazardous materials related permits other than a permit for a battery system.
2. Facilities with no hazardous materials related permits other than a permit for carbon dioxide used in an insulated liquid carbon dioxide beverage dispensing system.
3. Dental offices with no other hazardous materials related permits other than a permit for a fixed medical gas system.

V-300-2.117

Section 5003.1.3.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5003.1.3.1 highly toxic, toxic, moderately toxic gases and similarly used or handled materials. The storage, use and handling of highly toxic, toxic and moderately toxic gases in amounts exceeding Table 6004.1 shall be in accordance with this Chapter and Chapter 60. Any highly toxic, toxic or moderately toxic material that is used or handled as a gas or vapor shall be in accordance with the requirements for highly toxic, toxic or moderately toxic gases.

V-300-2.118

Section 5003.1.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5003.1.5 Other health hazards. The storage, use and handling of materials classified as other health hazards in amounts exceeding 810 cubic feet for gases, 55 gallons for liquids and 5,000 pounds for solids shall be in accordance with Section 5003.

V-300-2.119

Section 5003.1.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5003.1.6 Additional spill control and secondary containment requirements. In addition to the requirements set forth in Section 5004.2, an approved spill control and containment system is required for any quantity of hazardous materials that are liquids or solids at normal temperature and pressure (NTP), where a spill is determined to be a plausible event and where such an event would endanger people, property or the environment. The approved containment system may be required to include a combination of spill control and secondary containment meeting the design and construction requirements set forth in Section 5004.2.

V-300-2.120

Section 5003.2.2.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

5003.2.2.1 Design and construction. Piping, tubing, valves, fittings and related components used for hazardous materials shall be in accordance with the following:

1. Piping, tubing, valves, fittings and related components shall be designed and fabricated from materials compatible with the material to be contained and shall be of adequate strength and durability to withstand the pressure, structural and seismic stress, and exposure to which they are subject.
2. Piping and tubing shall be identified in accordance with ASME A13.1 and Santa Clara County Fire Chiefs Marking Requirements and Guidelines for Hazardous Materials and the Hazardous Waste to indicate the material conveyed.
3. Manual valves or automatic remotely activated fail-safe emergency shutoff valves shall be installed on supply piping and tubing, and provided with ready access at the following locations:
1. The point of use.
2. The tank, cylinder or bulk source.
4. Manual emergency shutoff valves and controls for remotely activated emergency shutoff valves shall be identified and the location shall have access clearly visible and indicated by means of a sign.

5. Backflow prevention or check valves shall be provided when the backflow of hazardous materials could create a hazardous condition or cause the unauthorized discharge of hazardous materials.
6. Where gases or liquids having a hazard ranking of:
   Health hazard Class 3 or 4
   Flammability Class 4
   Reactivity Class 4
   in accordance with NFPA 704 are carried in pressurized piping above 15 pounds per square inch gauge (psig)(103 Kpa), an approved means of leak detection, emergency shutoff or excess flow control shall be provided. Where the piping originates from within a hazardous material storage room or area, the excess flow control shall be located within the storage room or area. Where the piping originates from a bulk source, the excess flow control shall be located as close to the bulk source as practical.
   Exceptions:
   1 Piping for inlet connections designed to prevent backflow.
   2. Piping for pressure relief devices.
7. Secondary containment or equivalent protection from spills or leaks shall be provided for piping for liquid hazardous materials and for highly toxic and toxic corrosive gases above threshold quantities listed in Table 6004.1. Secondary containment includes, but is not limited to double walled piping.
   Exceptions:
   1. Secondary containment is not required for toxic corrosive gases if the piping is constructed of inert materials.
   2. Piping under sub-atmospheric conditions if the piping is equipped with an alarm and fail-safe-to-close valve activated by a loss of vacuum.

V-300-2.121

Section 5003.2.2.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

5003.2.2.2 Additional regulation for supply piping for health hazard materials. Supply piping and tubing for gases and liquids having a health hazard ranking of 3 or 4 in accordance with NFPA 704 shall be in accordance with ASME B31.3 and the following:

1. Piping and tubing utilized for the transmission of highly toxic, toxic or highly volatile corrosive liquids and gases shall have welded or brazed connections throughout except for connections within an exhausted enclosure if the material is a gas, or an approved method of drainage or containment is provided for connections if the material is a liquid.
2. Piping and tubing shall not be located within corridors, within any portion of a means of egress required to be enclosed in fire-resistance-rated construction or in concealed spaces in areas not classified as Group H Occupancies.

   Exception: Piping and tubing within the space defined by the walls of corridors and the floor or roof above or in concealed space above other occupancies when installed in accordance with Section 415.11.6.4 of the California Building Code as required for Group H, Division 5 Occupancies.

3. All primary piping for highly toxic, toxic and moderately toxic gases shall pass a helium leak test of 1x10-9 cubic centimeters/second where practical, or shall pass testing in accordance with an approved, nationally recognized standard. Tests shall be conducted by a qualified "third party" not involved with the construction of the piping and control systems.

V-300-2.122

Section 5003.3.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

5003.3.1 Unauthorized discharges. In the event hazardous materials are released in quantities reportable under state, federal or local regulations or when there is a release or a threatened release that presents a threat to health, property or the environment, the fire code official shall be notified immediately in an approved manner and the following procedures required in accordance with Sections 5003.3.1.1 through 5003.3.1.4.

V-300-2.123

Section 5003.5.2 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5003.5.2 Ventilation ducting. Ducts for venting hazardous materials operations shall be labeled with the hazard class of the material being vented and the direction of flow.

V-300-2.124

Section 5003.5.3 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5003.5.3 "H" Occupancies. In "H" occupancies, all piping and tubing may be required to be identified when there is any possibility of confusion with hazardous materials transport tubing or piping. Flow direction indicators are required.

V-300-2.125

Section 5003.9.8 of the California Fire Code, 2019 Edition, is amended to read as follows:

5003.9.8 Separation of incompatible materials. Incompatible materials in storage and storage of materials that are incompatible with materials in use shall be separated. When the stored materials are in containers having a capacity of more than 5 pounds (2 kg), 0.5 gallon (2 L), or any amount of compressed gases, separation shall be accomplished by:

1. Segregating incompatible materials in storage by a distance of not less than 20 feet (6096 mm) and in an independent containment system.
2. Isolating incompatible materials in storage by a noncombustible partition extending not less than 18 inches (457 mm) above and to the sides of the stored material.
3. Storing liquid and solid materials in hazardous material storage cabinets.
4. Storing compressed gases in gas cabinets or exhausted enclosures in accordance with Sections 5003.8.5 and 5003.8.6. Materials that are incompatible shall not be stored within the same cabinet or exhausted enclosure.

V-300-2.126

Section 5003.9.11 is hereby added to the California Fire Code, 2019 Edition to read as follows:

5003.9.11 Fire extinguishing systems for workstations dispensing, handling or using hazardous materials. Combustible and non-combustible workstations, which dispense, handle or use hazardous materials, shall be protected by an approved automatic fire extinguishing system in accordance with Section 2703.10.

Exception: Internal fire protection is not required for Biological Safety Cabinets that carry NSF/ANSI certification where quantities of flammable liquids in use or storage within the cabinet do not exceed 500 ml.

V-300-2.127

Section 5003.10.4.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

5003.10.4.3 Highly toxic, toxic, moderately toxic, gases shall be limited to a container of a maximum water capacity of 1 lb.

V-300-2.128

Section 5004.2.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

5004.2.1 Spill control for hazardous material liquids. Rooms, buildings or areas used for storage of hazardous material liquids, shall be provided with spill control to prevent the flow of liquids to adjoining areas. Floors in indoor locations and similar surfaces in outdoor locations shall be constructed to contain a spill from the largest single vessel by one of the following methods:

1. Liquid-tight sloped or recessed floors in indoor locations or similar areas in outdoor locations.
2. Liquid-tight floors in indoor and/ or outdoor locations or similar areas provided with liquid-tight raised or recessed sills or dikes.
3. Sumps and collection systems, including containment pallets in accordance with Section 5004.2.3.
4. Other approved engineered systems.

Except for surfacing, the floors, sills, dikes, sumps and collection systems shall be constructed of noncombustible material, and the liquid-tight seal shall be compatible with the material stored. When liquid-tight sills or dikes are provided, they are not required at perimeter openings having an open-grate trench across the opening that connects to an approved collection system.

V-300-2.129

Section 5004.2.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

5004.2.2 Secondary containment for hazardous material liquids and solids. Buildings, rooms or areas used for the storage of hazardous materials liquids or solids shall be provided with secondary containment in accordance with this section.

V-300-2.130

Table 5004.2.2 of the California Fire Code, 2019 Edition is hereby deleted.

V-300-2.131

Section 5004.2.2.2 is hereby amended to the California Fire Code, 2019 Edition, to read as follows:

5004.2.2.2 Incompatible materials. Incompatible materials shall be separated from each other in independent secondary containment systems.

V-300-2.132

Section 5004.2.2.5 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

5004.2.2.5 Monitoring. An approved monitoring method shall be provided to detect hazardous materials in the spill control and secondary containment systems and to verify that the provisions of this Code for the storage and handling of hazardous materials are addressed. Monitoring shall be recorded at least once per week. The monitoring method is allowed to be visual inspection of the primary or secondary containment, or other approved means. Where secondary containment is subject to the instruction of water, a monitoring method for detecting water shall be provided. Where monitoring devices are provide, they shall be connected to approved visual or audible alarms.

V-300-2.133

Section 5004.2.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

5004.2.3 Containment pallets. Combustible containment pallets shall not be used inside buildings to comply with Section 5004.2 where the individual container capacity exceeds 55 gallons (208 L) or an aggregate capacity of multiple containers exceeds 1,000 gallons (3785 L) for liquids or where the individual container capacity exceeds 550 pounds (250 kg) or an aggregate of multiple containers exceeds 10,000 pounds (4540 kg) for solids.

Where used as an alternative to spill control and secondary containment for outdoor storage in accordance, with the exception in Section 5004.2, containment pallets shall comply with all of the following:

1. A liquid-tight sump accessible for visual inspection shall be provided;
2. The sump shall be designed to contain not less than 66 gallons (250L);
3. Exposed surfaces shall be compatible with material stored;
4. Containment pallets shall be protected to prevent collection of rainwater within the sump of the containment pallet.

V-300-2.134

Section 5005.4.4 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

5005.4.4 Emergency alarm. When hazardous materials having a hazard ranking of 3 or 4 in accordance with NFPA 704, or toxic or moderately toxic gases exceeding 405 cu. ft. and any amount of highly toxic compressed gases are transported through corridors or exit enclosures, there shall be an emergency telephone system, a local manual alarm station or an approved alarm-initiating device at not more than 150-foot (45,720 mm) intervals and at each exit and exit-access

doorway throughout the transport route. The signal shall be relayed to an approved central, proprietary or remote station service or constantly attended on-site location and shall also initiate a local audible alarm.

V-300-2.135

Section 5303.5.3, method 1. of the California Fire Code, 2019 Edition, is amended to read as follows:

1. Securing containers, cylinders and tanks to a fixed object with one or more noncombustible restraints.

V-300-2.136

Section 5601.1.3 of the California Fire Code 2019 Edition, is amended to read in its entirety as follows:

5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling, and use of fireworks, including those fireworks classified as Safe and Sane by the California State Fire Marshal, are prohibited.

Exception: The use of fireworks for fireworks displays as allowed in Section 5608.

V-300-2.137

Section 5704.2.7.5.8 of the California Fire Code, 2019 Edition, is amended to read as follows:

5704.2.7.5.8 Overfill prevention. An approved means or method in accordance with Section 5704.2.9.7.5 shall be provided to prevent the overfill of all Class I, II and IIIA liquid storage tanks. Storage tanks in refineries, bulk plants or terminals regulated by Sections 5706.4 or 5706.7 shall have overfill protection in accordance with API 2350.

Exception: Outside aboveground tanks with a capacity of 1320 gallons (5000 L) or less need only comply with Section 5704.2.9.7.5, item 1, sub-item (1.1)

An approved means or method in accordance with Section 5704.2.9.7.5 shall be provided to prevent the overfilling of Class IIIB liquid storage tanks connected to fuel-burning equipment inside buildings.

V-300-2.138

Section 5704.2.7.5.9 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5704.2.7.5.9 Automatic filling of tanks. Systems that automatically fill flammable or combustible liquid tanks shall be equipped with overfill protection, approved by the fire code official that sends an alarm signal to a constantly attended location and immediately stops the filling of the tank. The alarm signal and automatic shutoff shall be tested on an annual basis and records of such testing shall be maintained on-site for a period of five (5) years.

V-300-2.139

Section 5707 of the California Fire Code, 2019 Edition, is hereby adopted and amended as follows:

V-300-2.140

Section 5707.3.3 of the California Fire Code, 2019 Edition, is amended as follows:

5707.3.3 Site plan. A site plan shall be developed for each location at which mobile fueling occurs. The site plan shall be in sufficient detail to indicate: all buildings, structures, lot lines, property lines, light fixtures and appurtenances on site and their use or function; all uses adjacent to the lot lines of the site; fueling locations, the locations of all storm drain openings and adjacent waterways or wetlands; information regarding slope, natural drainage, curbing, impounding and how a spill will be retained upon the site property; and the scale of the site plan.

V-300-141

Section 5707.4 of the California Fire Code, 2019 Edition, is amended to read as follows:

5707.4 Mobile fueling areas. Mobile fueling shall not occur on public streets, public ways, any residential street, or inside buildings. Fueling on the roof level of parking structures or other buildings is prohibited.

V-300-2.142

Section 5707.5.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

5707.5.5 Break-away device. A listed break-away device shall be provided at the nozzle.

Exception: Mobile fueling vehicles equipped with an approved brake interlock tied to the nozzle holder that prohibits movement of the mobile fueling vehicle when the nozzle is removed from its holder.

V-300-2.143

Sections 5707.6.4 to 5707.6.7 are hereby added to the California Fire Code, 2019 Edition, to read as follows:

5707.6.4 Nighttime deliveries. Nighttime deliveries shall only be made in areas deemed adequately lighted by the fire code official.

5707.6.5 Vehicle lights. The mobile fueling vehicle flasher lights shall be in operation while dispensing operations are in progress.

5707.6.6 Safety cones. Safety cones or barriers shall be employed as warning devices to highlight the vehicle fueling area.

5707.6.7 Bonding. A means for bonding the mobile fueling vehicle to the motor vehicle shall be provided. Such bonding means shall be employed during fueling operations.

V-300-2.144

Section 5809.3.4 is hereby amended to the California Fire Code, 2019 Edition, to read as follows:

5809.3.4 Site plan. For other than emergency roadside service, a site plan shall be developed for each location at which mobile gaseous hydrogen fueling occurs. The site plan shall be in sufficient detail to indicate: all buildings, structures, lot lines, property lines and appurtenances on site and their use and function, and the scale of the site plan.

V-300-2.145

Section 6004 of the California Fire Code, 2019 Edition, is amended to read as follows:

HIGHLY TOXIC, TOXIC AND MODERATELY TOXIC GASES

V-300-2.146

Section 6004.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1 General. Materials stored or used as a gas whether or not the material meets the definition of a compressed gas, and meets the definition of a highly toxic, toxic and moderately toxic gas shall comply with Section 6004.

The minimum threshold quantity for highly toxic, toxic and moderately toxic gases, vapors and mists for indoor and exterior storage and use are set forth in Table 6004.1.

Table 6004.1 Minimum Threshold Quantities for Highly Toxic, Toxic and Moderately Toxic Gases	
Highly Toxic	20
Toxic	405 cubic feet
Moderately Toxic	405 cubic feet

V-300-2.147

Section 6004.1.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.1 Special limitations for indoor storage and use by occupancy. The indoor storage and use of highly toxic, toxic and moderately toxic gases in certain occupancies shall be subject to the limitations contained in Sections 6004.1.1.1 through 6004.1.1.3.

V-300-2.148

Section 6004.1.1.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.1.1 Group A, E, I or U occupancies. Highly toxic, toxic and moderately toxic gases shall not be stored or used within Group A, E, I or U occupancies.

Exception: Cylinders not exceeding 20 cubic feet (0.556m^3) at normal temperature and pressure (NTP) are allowed within gas cabinets or fume hoods.

V-300-2.149

Section 6004.1.1.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.1.2 Group R occupancies. Highly toxic, toxic and moderately toxic gases shall not be stored or used in Group R occupancies.

V-300-2.150

Section 6004.1.1.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.1.3 Offices, retail sales and classrooms. Highly toxic, toxic and moderately toxic gases shall not be stored or used in offices, retail sales or classroom portions of Group B, F, M or S occupancies.

Exception: In classrooms of Group B occupancies, cylinders with a capacity not exceeding 20 cubic feet (0.566 m3) at NTP are allowed in gas cabinets or fume hoods.

V-300-2.151

Section 6004.1.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.2 Gas cabinets. Gas cabinets containing highly toxic, toxic and moderately toxic gases shall comply with Section 5003.8.6 and the following requirements:

1. The average ventilation velocity at the face of gas cabinet access ports or windows shall not be less than 200 cubic feet per minute (1.02 m/s) with a minimum of 150 feet per minute (0.76 m/s) at any point of the access port or window.
2. Gas cabinets shall be connected to an exhaust system.
3. Gas cabinets shall not be used as the sole means of exhaust for any room or area.
4. The maximum number of cylinders located in a single gas cabinet shall not exceed three, except that cabinets containing cylinders not exceeding 1 pound (0.454 kg) net contents are allowed to contain up to 100 cylinders.
5. Gas cabinets required by Section 6004.2 or 6004.3 shall be equipped with an approved automatic sprinkler system in accordance with Section 903.3.1.1. Alternative fire-extinguishing systems shall not be used.

V-300-2.152

Section 6004.1.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.3 Exhausted enclosures. Exhausted enclosures containing highly toxic, toxic or moderately toxic gases shall comply with Section 5003.8.5 and the following requirements:

1. The average ventilation velocity at the face of the enclosure shall not be less than 200 feet per minute (1.02 m/s) with a minimum of 150 feet per minute (0.76 m/s).

2. Exhausted enclosures shall be connected to an exhaust system.

3. Exhausted enclosures shall not be used as the sole means of exhaust for any room or area.

Exhausted enclosures required by Section 6004.2 or 6004.3 shall be equipped with an approved automatic sprinkler system in accordance with Section 903.3.1.1. Alternative fire-extinguishing system shall not be used.

V-300-2.153

Section 6004.1.4 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.1.4 Automatic shut-off valve. If gas monitoring is not provided, an automatic shut-off valve, which is of a fail-safe to close design, shall be provided to shutoff the supply of toxic and moderately toxic gases upon failure of the required gas cabinet or exhausted enclosure ventilation.

An automatic shut-off valve, which is of a fail-safe to close design, shall be provided to shut off the supply of highly toxic gases for any of the following:

1. Activation of a manual fire alarm system.
2. Activation of the gas detection system.
3. Failure of emergency power.
4. Failure of primary containment.
5. Seismic activity.
6. Failure of required ventilation.
7. Manual activation at an approved remote location.

An automatic shutoff valve is not required if a manual shutoff valve at the source is readily accessible and the process is continuously attended and supervised by a qualified individual.

V-300-2.154

Section 6004.1.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.5 Emergency control station. Signals from emergency equipment used for highly toxic gases shall be transmitted to an approved location.

V-300-2.155

Section 6004.1.6 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.6 Maximum threshold quantity. Toxic gases stored or used in quantities exceeding the maximum threshold quantity in a single vessel per control area or outdoor control area shall comply with the additional requirements for highly toxic gases of Section 6004 of this Code.

Moderately toxic gases stored or used in quantities exceeding the maximum threshold quantity. in a single vessel per control area or outdoor control area shall comply with the additional requirements for toxic gases of Section 6004 of this Code.

The following formula shall be used to calculate the maximum threshold quantity:

$$\text{Max TQ (pounds)} = LC_{50}\ \text{(ppm)} \times 2\ \text{lb.}$$

V-300-2.156

Section 6004.1.7 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.7 Reduced flow valve. All containers of highly toxic and toxic materials other than lecture bottles containing highly toxic material and having a vapor pressure exceeding 29 psia shall be equipped with a reduced flow valve when available. If a reduced flow valve is not available, the container shall be used with a flow-limiting device. All flow limiting devices shall be part of the valve assembly and visible to the eye when possible; otherwise, they shall be installed as close as possible to the cylinder source.

V-300-2.157

Section 6004.1.8 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.8 Fire extinguishing systems. Buildings and areas for the storage and use of materials regulated by this Chapter shall be protected by an automatic fire sprinkler system in accordance with NFPA 13. The design of the sprinkler system for any room or area where highly toxic, toxic and moderately toxic gases are stored, handled or used shall be in accordance with Section 5004.5.

V-300-2.158

Section 6004.1.9 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.9 Local gas shut off. Manual activation controls shall be provided for highly toxic and toxic gases at locations near the point of use and near the source, as approved by the fire code official. The fire code official may require additional controls at other places, including, but not limited to, the entry to the building, storage or use areas, and emergency control stations. Manual activated shut-off valves shall be of a fail-safe-to-close design.

V-300-2.159

Section 6004.1.10 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.10 Exhaust ventilation monitoring. For highly toxic and toxic gases exceeding threshold quantities, a continuous monitoring system shall be provided to assure that the required exhaust ventilation rate is maintained. The monitoring system shall initiate a local alarm. The alarm shall be both visual and audible and shall be designed to provide warning both inside and outside of the interior storage, use, or handling area.

V-300-2.160

Section 6004.1.11 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.11 Emergency response plan. If the preparation of an emergency response plan for the facility is not required by any other law, responsible persons shall prepare, or cause to be prepared, and filed with the fire code official, a written emergency response plan. If the preparation of an emergency response plan is required by other law, a responsible person shall file a copy of the plan with the fire code official.

V-300-2.161

Section 6004.1.12 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.12 Cylinder leak testing. Cylinders shall be tested for leaks immediately upon delivery and again immediately prior to departure. Testing shall be approved by the fire code official in accordance with appropriate nationally recognized industry standards and practices, if any. Appropriate remedial action shall be immediately undertaken when leaks are detected.

V-300-2.162

Section 6004.1.13 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.13 Inert gas purge system. Gas systems shall be provided with dedicated inert gas purge systems. A dedicated inert gas purge system may be used to purge more than one gas, provided the gases are compatible. Purge gas systems shall be located in an approved gas cabinet unless the system operates by vacuum demand.

V-300-2.163

Section 6004.1.14 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.1.14 Seismic shutoff valve. An automatic seismic shut-off valve, which is of a fail-safe to close design, shall be provided to shutoff the supply of highly toxic, toxic and moderately toxic gases with an LC_{50} less than or equal to 3000 parts per million upon a seismic event within 5 seconds of a horizontal sinusoidal oscillation having a peak acceleration of 0.3G (1.47 m/sec^2) and a period of 0.4 seconds.

V-300-2.164

Section 6004.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2 Indoor storage and use. The indoor storage or use of highly toxic, toxic and moderately toxic compressed gases shall be in accordance with Sections 6004.2.1 through 6004.2.2.10.4.

V-300-2.165

Section 6004.2.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.1 Applicability. The applicability of regulations governing the indoor storage and use of highly toxic, toxic, and moderately toxic gases shall be as set forth in Sections 6004.2.1.1 through 6004.2.1.5.

V-300-2.166

Section 6004.2.1.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.1.1 Quantities not exceeding the maximum allowable quantity per control area. The indoor storage or use of highly toxic, toxic and moderately toxic gases in amounts exceeding the maximum allowable quantity per control area set forth in Table 5003.1.1(2) shall be in accordance with Sections 5001, 5003, 6001, 6004.2.1.4 and 6004.2.1.5.

V-300-2.167

Section 6004.2.1.4 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.2.1.4 Quantities not exceeding minimum threshold quantity per control area. The indoor storage or use of highly toxic, toxic and moderately toxic gases in amounts not exceeding the minimum threshold quantity per control area set forth in Table 6004.1 shall be in accordance with Sections 6001, 6004.1 and Chapter 50.

V-300-2.168

Section 6004.2.1.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.2.1.5 Quantity exceeding the minimum threshold quantity per control area. The indoor storage or use of highly toxic, toxic and moderately gases in amounts exceeding the minimum threshold quantity per control area set forth in Table 6004.1 shall be in accordance with Sections 6001, 6004.1, 6004.2 and Chapter 50.

V-300-2.169

Section 6004.2.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.2 General indoor requirements. The general requirements applicable to the indoor storage and use of highly toxic and toxic compressed gases shall be in accordance with Sections 6004.2.2.1 through 6004.2.2.10.4.

Moderately toxic gases with an LC_{50} less than or equal to 3000 parts per million shall comply with the requirements for toxic gases in Sections 6004.2.2.1 through 6004.2.2.10.3.

Moderately toxic gases with an LC_{50} more than 3000 parts per million but not greater than 5000 parts per million and exceeding the maximum threshold quantity, as determined by 6004.1.6, shall comply with the requirements for toxic gases in Sections 6004.2.2.1 through 6004.2.2.7.

Moderately toxic gases shall not be considered as toxic gases for maximum allowable quantities determinations under Table 5003.1.1(2).

V-300-2.170

Section 6004.2.2.7 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.2.7 Treatment systems. The exhaust ventilation from gas cabinets, exhausted enclosures, gas rooms and local exhaust systems required in Section 6004.2.2.4 and 6004.2.2.5 shall be directed to a treatment system. The treatment system shall be utilized to handle the accidental release of gas and to process exhaust ventilation. The treatment system shall be designed in accordance with Sections 6004.2.2.7.1 through 6004.2.2.7.5 and Section 510 of the California Mechanical Code.

Exceptions:

1. Highly toxic, toxic and moderately toxic gases storage. A treatment system is not required for cylinders, containers and tanks in storage when all of the following are provided:

1.1. Valve outlets are equipped with gas-tight outlet plug or caps.
1.2. Hand wheel-operated valves have handles secured to prevent movement.
1.3. Approved containment vessels or containment systems are provided in accordance with Section 6004.2.2.3.

V-300-2.171

Section 6004.2.2.8 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.2.8 Emergency power. For highly toxic and toxic gas systems, emergency power, in accordance with Section 1203, shall be provided for the following:

1. Exhaust ventilation system.
2. Treatment system.
3. Gas detection system.
4. Smoke detection system.
5. Temperature control system.
6. Fire alarm system.
7. Emergency alarm system.

V-300-2.172

Section 6004.2.2.10 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.2.10 Gas detection system. A gas detection system complying with Section 916 shall be provided to detect the presence of a highly toxic or toxic gas at or below the PEL or ceiling limit of the gas for which detection is provided. In occupied areas where gas cabinets or exhausted enclosures are not provided, the fire code official may require a cyclical basis at intervals not to exceed 5 minutes.

The system shall be capable of monitoring the discharge from the treatment system at or below one-half the IDLH limit and shall initiate a response in accordance with Sections 6004.2.2.10.1 through 6004.2.2.10.3 if the gas detection system is activated.

Exception: A gas detection system is not required for toxic gases when the physiological warning threshold level for the gas is at a level below the accepted PEL for the gas.

V-300-2.173

Section 6004.2.2.10.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.2.2.10.1 Alarms. The gas detection system shall initiate a local alarm and transmit a signal to an approved location when a short-term hazard condition is detected. The alarm shall be both visual and audible and shall provide warning both inside and outside the area where the gas is detected. The audible alarm shall be distinct from all other alarms.

Exception: Signal transmission to a constantly attended control station is not required where not more than one cylinder of highly toxic, toxic or moderately toxic gas is stored.

V-300-2.174

Section 6004.2.2.10.2 of the California Fire Code, 2019 Edition is amended to read as follows:

6004.2.2.10.2 Shut off of gas supply. The gas detection system shall automatically close the shutoff valve at the source on gas supply piping and tubing related to the system being monitored for whichever gas is detected.

Exception: An automatic shutdown is not required for reactors utilized for the production of highly toxic, toxic or moderately toxic compressed gases where such reactors are:

1. Operated at pressures less than 15 pounds per square inch gauge (psig) (103.4kPa).
2. Constantly attended.
3. Provided with emergency shutoff valves that have ready access.

V-300-2.175

Section 6004.2.2.10.4 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.2.2.10.4 Emergency alarm. The indoor storage or use of highly toxic or toxic gases in amounts exceeding the minimum threshold quantity per control area set forth in Table 6004.1 shall also comply with Sections 5004.9 and 5005.4.4.

V-300-2.176

Section 6004.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.3 Outdoor storage and use. The outdoor storage or use of highly toxic, toxic and moderately toxic compressed gases shall be in accordance with Sections 6004.3.1 through 6004.3.4.

V-300-2.177

Section 6004.3.1 of the California Fire Code, 2016 Edition, is amended to read as follows:

6004.3.1 Applicability. The applicability of regulations governing the outdoor storage and use of highly toxic, toxic, and moderately toxic gases shall be as set forth in Sections 6004.3.1.1 through 6004.3.1.5.

V-300-2.178

Section 6004.3.1.1 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.3.1.1 Quantities not exceeding the maximum allowable quantity per control area. The outdoor storage or use of highly toxic and toxic gases in amounts exceeding the threshold quantity per control area set forth in Table 5003.1.1(4) shall be in accordance with Sections 5001, 5003, 6001, 6004.1, and 6004.3.1.4 and 6004.3.1.5.

V-300-2.179

Section 6004.3.1.4 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.3.1.4 Quantities not exceeding minimum threshold quantity per control area. The outdoor storage or use of highly toxic, toxic and moderately toxic gases in amounts not exceeding the minimum threshold quantity per control area set for in Table 6004.1 shall be in accordance with Sections 6001, 6004.1 and Chapter 50.

V-300-2.180

Section 6004.3.1.5 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6004.3.1.5 Quantity exceeding the minimum threshold quantity per control area. The outdoor storage or use of highly toxic, toxic and moderately gases in amounts exceeding the minimum threshold quantity per control area set forth in Table 6004.1 shall be in accordance with Sections 6001, 6004.1, 6004.3 and Chapter 50.

V-300-2.181

Section 6004.3.2 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.3.2 General outdoor requirements. The general requirements applicable to the outdoor storage and use of highly toxic, toxic and moderately toxic gases shall be in accordance with Sections 6004.3.2.1 through 6004.3.2.4.

Moderately toxic gases with an LC_{50} equal to or less than 3000 parts per million shall comply with the requirements for toxic gases in Sections 5001, 5003, 6001, 6004.1 and 6004.3.

Moderately toxic gases with an LC_{50} more than 3000 parts per million but not greater than 5000 parts per million and exceeding the maximum threshold quantity, as determined by 6004.1.6, shall comply with the requirements for toxic gases in Sections 5001, 5003, 6001, 6004.1 and 6004.3.2.1 through 6004.3.2.4.

Moderately toxic gases shall not be considered as toxic gases for maximum allowable quantities determinations under Table 5003.1.1(4).

V-300-2.182

Section 6004.3.3 of the California Fire Code, 2019 Edition, is amended to read as follows:

6004.3.3 Outdoor storage weather protection for portable tanks and cylinders. Weather protection in accordance with Section 5004.13 and this section shall be provided for portable tanks and cylinders located outdoors and not within gas cabinets or exhausted enclosures. The storage area shall be equipped with an approved automatic sprinkler system in accordance with Section 903.3.1.1.

V-300-2.183

Section 6405.3.1 is hereby added to the California Fire Code, 2019 Edition, to read as follows:

6405.3.1 Silane distribution systems automatic shutdown. Silane distribution systems shall automatically shut down at the source upon activation of the gas detection system at levels above the alarm level and/or failure of the ventilation system for the silane distribution system.

V-300-2.184

Section D101.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

D101.1 Scope. Fire apparatus access roads shall be in accordance with this appendix and all other applicable requirements of this Code.

V-300-2.185

Section D103.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

D103.1 Access road width with a hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm). See Figure D103.1. Only conditions with 26 feet roads are applicable.

Exception: The fire code official may approve other condition that provides equivalent access.

V-300-2.186

Section D104.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

D104.1 Buildings with two or more fire apparatus access roads. Buildings or facilities exceeding 30 feet (9144 mm), or three stories in height, or 50,000 square feet (5760m2) shall be provided with at least two means of fire apparatus access for each structure.

V-300-2.187

Section D104.2 of the California Fire Code, 2019 Edition, is deleted in its entirety.

V-300-2.188

Section D105.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

D105.2 Width. Fire apparatus access roads shall have a minimum unobstructed width of 26 feet (7925 mm) in the immediate vicinity of any building or portion of building more than 30 feet (9144) in height.

Exception: The Fire Code Official may approve the use of other usable space/area that provides equivalent required width.

V-300-2.189

Section D106.1 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

D106.1 Projects having more than 50 dwelling units. Multiple-family residential projects having more than 50 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.

V-300-2.190

Section D106.2 of the California Fire Code, 2019 Edition, is amended to read in its entirety as follows:

D106.2 Projects having more than 200 dwelling units. For Multiple-family residential projects having more than 200 units, the fire code official may require more than two fire apparatus access roads.

V-300-2.191

Section D107.1 of the California Fire Code, 2019 Edition, exceptions No. 1 and No. 2 are deleted.

SECTION 4. SEVERABILITY

The provisions of this Ordinance are separable, and the invalidity of any phrase, clause, provision or part shall not affect the validity of the remainder.

SECTION 5. EFFECTIVE DATE AND POSTING

In accordance with Section 36937 of the Government Code of the State of California, this Ordinance shall take effect thirty (30) days from and after the date of its passage. The City Clerk of the City of Milpitas shall cause this Ordinance or a summary thereof to be published in accordance with Section 36933 of the Government Code of the State of California.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Introduce Ordinance No. 65.147 Relating to Code Administration and Adopting by Reference the 2019 California Building Codes with Amendments, and Set a Public Hearing on December 3, 2019 for Adoption of the Ordinance (Staff Contact: Sharon Goei, 408-586-3260)**
Category:	Consent Calendar-Community Development
Meeting Date:	11/5/2019
Staff Contact:	Director of Building Safety & Housing Sharon Goei, 408-586-3260 Building Official Bill Tott, 408-586-3263
Recommendations:	1. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.147 amending Chapters 1, 3, 3.5, 4, 5, 6, 7, 10, 13, 14, 150, and 170 of Title II of the Milpitas Municipal Code relating to Code Administration; adopting by reference the 2019 California Building Code, 2019 California Residential Code, 2018 International Property Maintenance Code, 2019 California Mechanical Code, 2019 California Electrical Code, 2019 California Plumbing Code, 2018 International Swimming Pool and Spa Code, 2019 California Existing Building Code, and 2019 California Historical Building Code, with amendments; and amending regulations pertaining to grading, excavation, paving, and erosion control, and gas shut-off devices. 2. Set a public hearing on December 3, 2019, pursuant to California Government Code Section 50022.3, for adoption of the Ordinance.

Background:

Title 24 of the California Code of Regulations, also referred to as the California Building Standards Code, governs the design and construction of buildings and associated facilities and equipment throughout California. It is updated and published on a triennial basis by the California Building Standards Commission (CBSC) by order of the California legislature. Each code cycle update improves safety, sustainability, and resiliency, and incorporates new technology, design, and construction methods. Throughout each code adoption cycle, amendments to the codes are developed through an extensive public participation process. Milpitas staff serves on two of the six Code Advisory Committees that provide recommendations to the California Building Standards Commission. In July 2019, the CBSC published the 2019 edition of the California Building Standards Code, making this year a code adoption year.

The building regulations in the California Building Standards Code have the same force of law and take effect 180 days after their publication. On January 1, 2020, the 2019 California Building Standards Code will become effective statewide. This 2019 Code has prompted jurisdictions statewide to adopt the new code and complete local amendments as necessary.

In accordance with California Health and Safety Code, a city may establish more restrictive building standards than those in the California Building Standards Code if the city makes an express finding that each amendment is reasonably necessary because of local climatic, geological, or topographical conditions.

Analysis:

As part of the triennial code adoption cycle, and pursuant to California Health and Safety Code Sections 17958 and 18941.5, staff recommends that the City of Milpitas adopt the 2019 California Building Standards Code. The parts of the 2019 California Building Standards Code that are included in this proposed adoption

ordinance are: The California Building Code, Residential Code, Mechanical Code, Electrical Code, Plumbing Code, Existing Building Code, and Historical Building Code.

Staff also proposes several local amendments be adopted as part of the code adoption. The amendments along with the findings that support them are included in the proposed ordinance and briefly described below. If approved, the Building Official will file a copy of this ordinance with the California Building Standards Commission.

Title II Chapter 1 Code Administration:
Significant examination of current and prior referenced codes and Milpitas Municipal Code was performed. The main purpose was to remove provisions that are already contained in the referenced codes such as the Building Code, provide clarification to the administrative provisions in those referenced codes, and to carry forward or provide Milpitas-specific provisions regarding enforcement, violations, permit issuance, and fees. For each code adopted by reference in Title II (for example, the Building Code or the Mechanical Code), the administrative chapter of each code provides for the code's scope and administration. Several sections specific to Milpitas are provided under this Chapter regarding enforcement, violations, permit issuance, and fees. The administrative chapters of the referenced codes work collectively with those sections in Chapter 1 to provide for the administration and enforcement of the codes and municipal ordinances in Title II. For the section on permit issuance, language was amended to align with Assembly Bill 2913 regarding permit extension such that a permit would remain valid if the work is commenced within 12 months after permit issuance instead of 180 days under the prior code. As a result of revamping the entire administration chapter, the number of sections was reduced from 87 to 26 in Chapter 1.

Title II Chapter 3 Building Code:
The 2019 California Building Code is adopted by reference. Close examination of current and prior California Building Code and Municipal Code was performed. As for local amendments, four amendments are proposed that are necessary to address local conditions. One set of amendments is to parallel the sprinkler system amendments to the Fire Code by the Fire Prevention team. The second local amendment is to require higher classification roof covering for hillside construction to address a local climatic condition. Higher classification roof covering is effective against higher fire-test exposure. The hillside area has a history of high winds, with an associated risk of accelerated and more significant structure damage and higher potential for related casualties in a fire. The recent fire danger in the hillside makes this local amendment important. The third local amendment is to implement more stringent special inspection requirements for spread concrete footings due to the expansive (clay) soils and seismic activity common to this geological area. The fourth local amendment is to implement more stringent foundation requirements, again to address the expansive (clay) soils and seismic activity common to this geological area. Similar to Chapter 1, staff performed a thorough examination of Chapter 3 local amendments. Provisions that are already addressed in the referenced codes (including the California Building Code, Mechanical Code, and Plumbing Code) were deleted. All design methods such as national standards and all materials allowed under the California Building Code were amended to be allowed in Milpitas, as opposed to the prior Milpitas local amendments. The number of local amendment subsections was reduced from 18 to 4.

Title II Chapter 3.5 (Residential Code); Chapter 5 (Mechanical Code); Chapter 7 (Plumbing Code); Chapter 14 (Existing Building Code); and Chapter 150 (Historical Building Code):
The Residential Code was adopted and amended in a similar way as the Building Code. Same was done with the Mechanical, Plumbing, Existing Building, and Historical Building Codes.

Title II Chapter 6 Electrical Code:
The 2019 California Electrical Code is adopted by reference with three local amendments. All new electrical services are required to be underground. As some buildings in Milpitas are located in high wind areas or flood plains, amending the code to provide for elimination of overhead services that are inherently less safe in the event of disasters will provide a higher level of safety. Amending the Electrical Code to require the disconnects of electrical power for each building to be in a readily accessible location on the first floor will provide a quicker means of finding the main power disconnects in a seismic, fire, or other emergency event. Requiring grounding

systems in new buildings to be an electrode encased in concrete allows significantly higher assurances that the grounding of the building electrical system will not deteriorate and fail due to the acidic and expansive properties of local soils. Providing equipment grounding conductors enhances capability of keeping electrical systems grounded, which is important in high amperage electrical services common to the City of Milpitas.

Title II Chapter 4 (Property Maintenance Code); and Chapter 10 (Swimming Pool and Spa Code):
In addition to the California codes, the International Swimming Pool and Spa Code (ISPSC) and the International Property Maintenance Code (IPMC) are included. Staff determined that inclusion of the ISPSC is needed and deemed appropriate as it contains more detailed provisions regarding the plumbing and mechanical elements and is in line with the California Codes. The IPMC was also deemed needed and appropriate because the City Housing Code was repealed in 2007 and the City Neighborhood Preservation Ordinance does not have the requirements for housing habitability that are in the IPMC.

Title II Chapter 13 Grading, Excavation, Paving and Erosion Control:
One section was revised to update the California Regional Water Quality Control Board Order Number from R2-2009-0074 to R2-2015-0049 for the Municipal Stormwater National Pollutant Discharge Eliminations System Permit.

Title II Chapter 170 Gas Shut-off Devices:
Staff proposed to remove the requirement for excess flow valves at each gas appliance. The Milpitas Municipal Code already provides for seismic shut-off or excess flow valves at the gas meters, so this requirement to have an excess flow valve at every gas appliance outlet is redundant and in actuality, not that effective at reducing or eliminating a hazard associated with a ruptured gas line as the stipulated location of the excess flow valve is at the gas outlet for the appliance, which is immediately adjacent to, and upstream of the appliance flexible connector. The location at each gas appliance outlet does not provide protection for gas line ruptures that are upstream of the valve. An excess flow valve or seismic shut-off valve at the meter provides this protection for the entire gas piping system. In addition, manufacturers have significantly reduced their production of the smaller excess flow valves that are required at each gas appliance outlet. Local supplies have dwindled to a point where the sizes required for gas appliance outlets are so limited that the situation has caused a significant impact on the ability of developers to complete final inspections on hundreds of multi-family dwelling units and commercial projects. Furthermore, the standard gas line pressure and operating pressure of the majority of gas appliances is very low, averaging approximately ¼ pounds per square inch (psi). A seismic shut-off valve or excess flow valve located at the meter protects the entire gas piping system in the event of motion (seismic or other vibration) or non-motion events (pipe rupture). For the reasons above, staff proposed to remove the requirement for excess flow valves at each gas appliance outlet.

The California Energy Code and Green Building Standards Code are being adopted under separate ordinances due to the introduction of local amendments known as “reach codes” as part of the adoption of these codes.

Adoption of the new 2019 codes will ensure that buildings and structures in Milpitas will safeguard the health, safety, and general welfare of the public. Staff recommends that the Council introduce the proposed ordinance adopting the new codes with amendments and set a public hearing on December 3, 2019. This timeline will allow notice of the public hearing to be published once a week for two successive weeks pursuant to Government Code Section 6066.

Policy Alternatives:
Alternatives: Adopt the new codes with only a portion of the amendments; adopt the new codes without any of the amendments; or adopt the new codes with modifications to the amendments.

Pros: Adopting the new codes as base code would provide minimum safety standards.

Cons: Without the complete code adoption with amendments, the base code would provide only the minimum standards without considering local conditions in Milpitas.

Reason for Not Recommending: The alternatives would not provide the complete code adoption with amendments to address local conditions in Milpitas.

Fiscal Impact:
There is no cost to the City other than administrative staff time and expense. Staff training on the new codes is needed and has been planned for in the budget. Training has begun and will be ongoing.

California Environmental Quality Act:
The action being considered has no potential for causing a significant effect on the environment and is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15061(b)(3).

Recommendations:
1. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.147 amending Chapters 1, 3, 3.5, 4, 5, 6, 7, 10, 13, 14, 150, and 170 of Title II of the Milpitas Municipal Code relating to Code Administration; adopting by reference the 2019 California Building Code, 2019 California Residential Code, 2018 International Property Maintenance Code, 2019 California Mechanical Code, 2019 California Electrical Code, 2019 California Plumbing Code, 2018 International Swimming Pool and Spa Code, 2019 California Existing Building Code, and 2019 California Historical Building Code, with amendments; and amending regulations pertaining to grading, excavation, paving, and erosion control, and gas shut-off devices.
2. Set a public hearing on December 3, 2019, pursuant to California Government Code Section 50022.3, for adoption of the Ordinance.

Attachment:
Ordinance No. 65.147

REGULAR

NUMBER: 65.147

TITLE: AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MILPITAS AMENDING CHAPTERS 1, 3, 3.5, 4, 5, 6, 7, 10, 13, 14, 150, AND 170 OF TITLE II OF THE MILPITAS MUNICIPAL CODE RELATING TO CODE ADMINISTRATION; ADOPTING BY REFERENCE THE 2019 CALIFORNIA BUILDING CODE, 2019 CALIFORNIA RESIDENTIAL CODE, 2018 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2019 CALIFORNIA MECHANICAL CODE, 2019 CALIFORNIA ELECTRICAL CODE, 2019 CALIFORNIA PLUMBING CODE, 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE, 2019 CALIFORNIA EXISTING BUILDING CODE, AND 2019 CALIFORNIA HISTORICAL BUILDING CODE, WITH AMENDMENTS; AND AMENDING REGULATIONS PERTAINING TO GRADING, EXCAVATION , PAVING, AND EROSION CONTROL, AND GAS SHUT-OFF DEVICES

HISTORY: This Ordinance was introduced (first reading) by the City Council at its meeting of _____, 2019, upon motion by _____, and was adopted (second reading) by the City Council at its meeting of _____, upon motion by _____. The Ordinance was duly passed and ordered published in accordance with law by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

RECITALS:

WHEREAS, the California Building Standards Commission has adopted and published an updated Title 24 of the California Code of Regulations, also referred to as the 2019 California Building Standards Code, that will become effective statewide on January 1, 2020; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 establish the authority for a city to adopt and make local amendments and modifications to the building standards in the California Building Standards Code to establish more restrictive building standards than those contained in the California Building Standards Code; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 permit a city to make such local amendments and modifications as the city determines are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 require a city, before making any amendments and modifications to the California Building Standards Code, make an express finding that such amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City of Milpitas has reviewed and intends to adopt the 2019 California Building Standards Code; and

WHEREAS, the City Council wishes to amend portions of the California Building Standards Code to better address local conditions and makes express findings that such amendments are reasonably necessary because of local climatic, geological or topographical conditions as set forth in this Ordinance.

NOW, THEREFORE, the City Council of the City of Milpitas does ordain as follows:

SECTION 1. RECORD AND BASIS FOR ACTION

The City Council has duly considered the full record before it, which may include but is not limited to the staff report, testimony by staff and the public, and other materials and evidence submitted or provided to the City Council. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

SECTION 2. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The City Council hereby finds and determines that this Ordinance has been assessed in accordance with the California Environmental Quality Act (Cal. Pub. Res. Code, § 21000 et seq.) ("CEQA") and the State CEQA Guidelines (14 Cal. Code Regs. § 15000 et seq.) and is categorically exempt from CEQA under CEQA Guidelines, § 15061(b)(3), which exempts from CEQA any project where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment. Adoption of the proposed Ordinance would not be an activity with potential to cause significant effect on the environment because the changes made to the California Building Standards Code within are enacted to mitigate the threats posed to public peace, health and safety from earthquakes, storms, floods, high winds and fire, and therefore is exempt from CEQA. Therefore, it can be seen with certainty that there is no possibility that the Ordinance in question may have a significant effect on the environment; accordingly, the Ordinance is categorically exempt from CEQA.

SECTION 3. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE II

Chapters 1, 3, 3.5, 4, 5, 6, 7, 10, 13, 14, 150, and 170 of Title II of the Milpitas Municipal Code are hereby amended with the text below to read as follows:

Chapter 1 CODE ADMINISTRATION

Chapter 1 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Section 1 Purpose

II-1-1.01

The purpose of this Chapter is to provide for the administration and enforcement of codes and municipal ordinances within the Milpitas Municipal Code, Title II. For each code adopted by reference in Title II, the administration chapter of each code provides for the code's scope and administration and is hereby adopted, unless specific sections for the administration and enforcement of the codes are provided under this Chapter. Collectively with the sections in this Chapter, they provide for the administration and enforcement of the codes and municipal ordinances in Title II.

Section 2 Definitions

II-1-2.01

For the administration of Title II, the following definition applies:

HILLSIDE as used in this Title is defined as all property east of North Park Victoria Drive, Evans Road, and Piedmont Road.

Section 3 Unsafe Buildings, Structures or Building Service Equipment

II-1-3.01 Scope

All building or structures regulated by this Title that are structurally inadequate or have inadequate means of egress, or inadequate light and ventilation, or which constitute a fire hazard, or are otherwise dangerous to human life, for the purpose of this section shall be deemed in unsafe condition.

Building service equipment regulated by such codes, which constitute a fire, electrical or health hazard, or an unsanitary condition, or is otherwise dangerous to human life, for the purpose of this section, shall be deemed unsafe. Any use of buildings, structures or building service equipment constituting a hazard to safety, health or public welfare by reason of inadequate maintenance, dilapidation, obsolescence, fire hazard, disaster, damage or abandonment, for the purpose of this section, shall be deemed an unsafe use.

Parapet walls, cornices, spires, towers, tanks, statuary and other appendages or structural members which are supported by, attached to, or a part of a building and which are in deteriorated condition or otherwise unable to sustain the design loads which are specified in the Building Code are hereby designated as unsafe building appendages.

Unsafe buildings, structures or appendages and building service equipment are hereby declared to be public nuisances and shall be abated by repair, rehabilitation, demolition or removal in accordance with the procedures set forth in the latest edition of the Uniform Code for the Abatement of Dangerous Buildings or such alternate procedures as may be adopted by this jurisdiction. As an alternative, the Building Official or other employee or official of this jurisdiction as designated by the governing body may institute any other appropriate action as permitted by law to prevent, restrain, correct or abate the violation.

II-1-3.02 Notice of Correction or Abatement of Unsafe Structures

If an inspection shows a building or structure or portion thereof to be "Unsafe" as defined herein, the Building Official shall give the owner of said building or structure written notice stating the defects thereof. Said notice may order the correction or abatement thereof by demolition, closing or repair within ninety days of the date said notice is given or such additional time as the Building Official may allow. If, in the opinion of the Building Official, such conditions can be corrected or abated by repair, the notice shall state the repair required. Notice hereunder may also be given to any mortgagee or beneficiary under any deed of trust of record.

II-1-3.03 Posting Notice of Hazardous Building

Every building which the Building Official causes to be vacated because of an immediate danger or hazard may be posted at each entrance with a notice which states: "Do Not Enter: Unsafe to Occupy: It is a misdemeanor to occupy the building or remove or deface the notice. Building Safety and Housing Department, City of Milpitas." Such notice may remain posted until the required repairs, improvements, demolition or removal are completed. Such notice shall not be removed without written permission of the Building Official, and all persons shall forthwith vacate said building

person shall enter the building except for the purpose of making the required repairs, improvements, demolition or removal of the building.

II-1-3.04 Authority to Disconnect Utilities

The Building Official or his/her authorized representative shall have the authority to disconnect any utility service or energy supplied to the building, structure or building service equipment therein regulated by this Title in case of emergency where necessary to eliminate an immediate hazard to life or property. The Building Official shall whenever possible notify the serving utility, the owner and occupant of the building, structure or building service equipment of the decision to disconnect prior to taking such action, and shall notify such serving utility, owner and occupant of the building, structure or building service equipment, in writing, of such disconnection immediately thereafter.

This Title shall not be construed to relieve from or lessen the responsibility of any person owning, operating or controlling any building or structure for any damages to persons or property caused by defects, nor shall the City of Milpitas be held to have assumed any such liability by reasons of the inspections authorized by this Title.

II-1-3.05 Authority to Condemn Building Service Equipment

Whenever the Building Official ascertains that any building service equipment regulated in the codes has become hazardous to life, health, or property, or has become unsanitary, he/she shall order in writing that such equipment either be removed or restored to a safe or sanitary condition, as appropriate. The written notice itself shall fix a time limit for compliance with such order. Defective building service equipment shall not be maintained after receiving such notice.

When such equipment or installation is to be disconnected, a written notice of such disconnection and causes therefore will be given within 24 hours to the serving utility, the owner and occupant of such building, structure or premises.

When any building service equipment is maintained in violation of the codes and in violation of any notice issued pursuant to the provisions of this section, the Building Official shall institute any appropriate action as permitted by law to prevent, restrain, correct or abate the violation.

II-1-3.06 Connection After Order to Disconnect

No person shall make connections from any energy, fuel or power supply nor supply energy or fuel to any building service equipment which has been disconnected or ordered to be disconnected by the Building Official or the use of which has been ordered to be discontinued by the Building Official until the Building Official authorizes the reconnection and use of such equipment.

II-1-3.07 Withholding Permit

No Building or Occupancy Permit shall be issued for any building or structure unless and until:

1. All conditions imposed thereon or in connection with any development or subdivision of which it is a part (and which affect said building or structure) by the Milpitas Planning Commission or Milpitas City Council have been complied with;

2. Said building or structure and any development or subdivision of which it is a part shall be in compliance with all ordinances and statutes affecting said building or structure, development or subdivision.

II-1-3.08 Liability

Without limitation to the generality of any provision of the Milpitas Municipal Code, the duties imposed by this Title upon the Building Official, or his/her authorized representatives are discretionary and not mandatory. Neither said Official nor his/her representatives shall render himself/herself personally liable for any damage that may accrue to persons or property as a result of any act or by reason of any act or omission in the discharge of his/her duties.

The City of Milpitas, its officers or employees shall not be held to have assumed any liability by reason of the inspections authorized by such codes or approvals issued under such codes.

This Title shall not be construed to relieve or lessen the responsibility of any person owning, operating or controlling any building or structure to any damages to persons or property caused by defects, nor shall the City of Milpitas be held as assuming any liability by reasons of the inspections authorized by this Title.

II-1-3.09 Hearing

Any aggrieved person may request an informal hearing before the Building Official or his/her designee, with respect to any action taken or to be taken under the provisions of this section. Said request shall be in writing and said hearing shall be held within 2 working days of receipt of the request provided a request for a hearing shall not stay the operation of the Building Official's order unless the Building Official shall so order.

Section 4 Appeals

II-1-4.01

Appeals may be had under this Chapter, pursuant to the provisions of Section 5 of Chapter 20 of Title I – Standard Procedures Chapter of the Milpitas Municipal Code. An appeal shall stay all proceedings in furtherance of the act or decision appealed unless the Building Official whose act is appealed shall certify in writing that a stay would in his opinion cause peril to life or property. Said certificate shall contain a detailed statement of the facts out of which said peril arises and of the reasons for said opinion.

Section 5 Violations

II-1-5.01 Unlawful Acts

It shall be unlawful for any person, firm or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use, occupy or maintain any building structure, building service equipment, or cause or permit the same to be done in violation of this Title.

II-1-5.02 Notice of Code Violation

Whenever the Building Official has knowledge of a violation of the provisions of any Chapter of Title II of the Milpitas Municipal Code or any of the codes or appendices incorporated in any of the Chapters of said Title, or the provisions of Chapter 300, Title V of the Milpitas Municipal Code, or of the California Fire Code, California Fire Code Appendices and California Fire Code Standards adopted therein, or the State Housing Law in California Health and Safety Code, the Building Official may issue a Notice of Intent to record a Notice of Code Violation to the owner of the land where the violation is located. Notice shall be given to the owner at the address shown on the latest equalized assessment roll of the County of Santa Clara, California, or as is known to the City of Milpitas by posting on the property itself and by personal service or by certified mail, postage prepaid, and with return receipt requested.

Notice by mail may also be given (but shall not be required to be given) to any other owner of any interest in said land as may be known to the Building Official. The notice shall state that within 20 days of the date of notice, the owner may request a hearing with the Building Official to present evidence that a violation does not exist.

II-1-5.03 Recordation of Violation

Following a hearing and after consideration of the evidence presented, if the Building Official determines that a code violation in fact exists, the Building Official shall give notice either by personal service or by certified mail, postage prepaid and return receipt requested, to the owner at the address shown on the latest equalized assessment roll of the County of Santa Clara, California, or as is known to the City of Milpitas that if the violation is not corrected within 45 days of the date of personal service or mailing, or within such time as deemed appropriate by the Building Official, the Building Official shall record a Notice of Code Violation in the Office of the County Recorder of Santa Clara County, California. Unless an appeal from the Building Official's decision is filed, the Building Official shall record said notice of code violation after 45 days.

If no hearing was requested under Section II-1-5.02 and the violation continues, the Building Official shall inform the owner by personal service or certified mail that a notice of code violation shall be recorded with the County Recorder or Santa Clara County in 45 days. Unless presented with proof of complete correction, the Building Official shall record said notice of code violation after 45 days.

II-1-5.04 Civil Penalties

Any person who intentionally, accidentally or negligently violates any provision of this Title, any written authority of the Building Official or the City Manager or his or her duly authorized agents and representatives, or any provision of any permit issued pursuant to this Code may be civilly liable to the City in the sum of not less than $100.00 but not to exceed $1,000 per day for each day in which such violation occurs or continues. The City may petition the Superior Court to impose, assess, and recover such sums. The civil penalty provided in this Section excludes inspection costs and abatement costs, is cumulative and not exclusive, and shall be in addition to all other remedies available to the City under state and federal law and local ordinances.

Section 6 Nuisance

II-1-6.01

The erection, construction, enlarging, equipping, use, height, altering, repairing, moving, removing,

conversing, demolishing, improving, occupying or maintaining of buildings or structures or the installation, alteration or repair of electrical wiring, devices, appliances, equipment, systems, or facilities, or the installation, alteration or repair of plumbing or drainage lines, equipment, systems or facilities, or the use, design, installation, alteration, repair and replacement of heating and comfort cooling equipment contrary to the provisions of this Title is unlawful and the same is hereby declared to be a public nuisance.

Section 7 Remedies

II-1-7.01

The remedies and penalties provided for by this Chapter shall be cumulative, and not exclusive, and shall be in addition to such other remedies or penalties as are provided.

Section 8 Permit Issuance

II-1-8.01 Issuance

The application, construction documents, specifications, computations and other data, filed by an applicant for permit shall be reviewed by the Building Official. Such documents may be reviewed by other departments of this jurisdiction to verify compliance with any applicable laws under their jurisdiction. If the Building Official finds that the work described in an application for a permit and the construction documents, specifications and other data filed therewith conform to the requirements of this Title and other pertinent laws and ordinances, and that the fees specified have been paid, the Building Official shall issue a permit therefore to the applicant.

The Building Official shall endorse in writing or stamp the required construction documents and specifications. Such approved construction documents and specifications shall not be changed, modified or altered without authorizations from the Building Official, and all work regulated by this Title shall be done in accordance with approved plans.

The Building Official may issue a permit for the construction of part of a building, structure or building service equipment before the entire construction documents and specifications for the whole building, structure or building service equipment have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of the codes. The holder of such permit shall proceed at his own risk without assurance that the permit for the entire building, structure or building service will be granted.

II-1-8.02 Retention of Construction Documents

One set of approved construction documents and computations shall be retained by the Building Official for a period of not less than 180 days from the date of completion of the permitted work covered therein; and one set of approved construction documents shall be returned to the applicant and shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

II-1-8.03 Validity of Permit

The issuance of a permit or approval of construction documents, specifications and computations shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this Title, or any other ordinance of the jurisdiction. Permit presuming to give authority to violate or cancel the provisions of the codes shall not be valid.

The issuance of a permit based upon construction documents, specifications and other data shall not prevent the Building Official from thereafter requiring the correction of errors in said construction documents, specifications and other data, or from preventing building operations being carried on there under when in violation of this Title or of any other ordinances of this jurisdiction.

II-1-8.04 Expiration

Every permit issued by the Building Official under the provisions of this Title shall expire by limitation and become null and void, if the building or work authorized by such permit is not commenced or an inspection made within 12 months from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained and the fee therefore shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original construction documents and specifications for such work; and provided further that such suspension or abandonment has not exceeded 360 days. If the suspension or abandonment exceeds 360 days, the permittee shall pay a new full permit fee for the issuance of a permit.

Any permittee holding an unexpired permit may apply for an extension of the time within which the permittee may commence work under that permit. Requests must be in writing and demonstrate that an extension is warranted because of circumstances beyond the control of the permittee. The Building Official may grant one or more extensions of time for periods not exceeding 180 days each. No permit shall be extended more than three times.

II-1-8.05 Suspension or Revocation

The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this Title whenever the permit is issued in error or on the basis of incorrect information supplied, or in violation of any ordinance or regulation or any of the provisions of this Title.

Section 9 Fees

II-1-9.01 Permit Fees

The fee for each permit shall be as set forth by resolution of the City Council.

II-1-9.02 Plan Review Fees

When construction documents or other data are required to be submitted, a plan review fee shall be paid at the time of submitting construction documents and specifications for review. Said plan review fee shall be as set forth by resolution of the City Council.

When submittal documents are incomplete or changed so as to require additional plan review or when the project involves deferred submittal items, an additional plan review fee may be charged at the rate set by resolution of the City Council.

II-1-9.03 Fee Refunds

The Building Official may authorize the refunding of any fee paid hereunder when there are two permits for the same work (double permitting).

The Building Official may authorize the refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this title.

The Building Official may authorize the refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or cancelled before any plan review is performed.

The Building Official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 1 year after the date of fee payment.

Chapter 3 – BUILDING CODE

Chapter 3 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:

Section 1 – Adoption of the Building Code

Section 2 – Amendments to the Building Code

Section 1 Adoption of the Building Code

II-3-1.01

The 2019 California Building Code, published and copyrighted by the International Code Council, Inc. and the California Building Standards Commission in Part 2 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The 2019 California Building Code shall be designated and referred to as the "Building Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Section 2 Amendments to the Building Code

II-3-2.01 Amendments: Chapter 4

Amend Section 402.5 of the California Building Code by deleting the exception.

Amend Section 403.3 of the California Building Code by deleting all exceptions.
Amend Section 404.3 of the California Building Code by deleting all exceptions.
Amend Section 410.6 of the California Building Code by deleting all exceptions.

II-3-2.02 Amendment: Section 1505.1.5

Amend Section 1505 of the California Building Code by adding Section 1505.1.5 to read as follows:

1505.1.5 Roofing requirements for hillside construction. Class A or Class B roof covering shall be required for all hillside construction.

II-3-2.03 Amendment: Section 1705.3 Exception 1

Amend Section 1705.3 Exception 1 of the California Building Code to read as follows:

1. Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock, where the structural design of the footing is based upon a specified compressive strength, f'_c, no greater than 2,500 pounds per square inch (psi) (17.2 MPa).

II-3-2.04 Amendment: Section 1808.1

Amend Section 1808.1 of the California Building Code by adding the following to the end of the section to read as follows:

All new foundations for building additions to R-3 occupancies shall be of the same type of foundation system as the existing structure, unless the foundation system is designed, and plans, calculations, and specifications are prepared, stamped and signed, by a California licensed engineer or architect.

Chapter 3.5 – RESIDENTIAL CODE

Chapter 3.5 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:
Section 1 – Adoption of the Residential Code
Section 2 – Amendments to the Residential Code

Section 1 Adoption of the Residential Code

II-3.5-1.01

The 2019 California Residential Code, published by the International Code Council, Inc. and the California Building Standards Commission in Part 2.5 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. This adoption includes Appendix K. The 2019 California Residential Code shall be designated and referred to as the "Residential Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Section 2 Amendments to the Residential Code

II-3.5-2.01 Amendment: Section R902.1.5

Amend Section R902 of the California Residential Code by adding Section R902.1.5 to read as follows:

R902.1.5 Roofing requirements for hillside construction. Class A or Class B roof covering shall be required for all hillside construction.

Chapter 4 – PROPERTY MAINTENANCE CODE

Chapter 4 of Title II of the Milpitas Municipal Code is hereby added to read as follows:

Sections:
Section 1 – Adoption of the Property Maintenance Code

Section 1 Adoption of the Property Maintenance Code

II-4-1.01

The 2018 International Property Maintenance Code, published by the International Code Council, Inc., is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The 2018 International Property Maintenance Code shall be designated and referred to as the "Property Maintenance Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Chapter 5 – MECHANICAL CODE

Chapter 5 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:
Section 1 – Adoption of the Mechanical Code

Section 1 Adoption of the Mechanical Code

II-5-1.01

The 2019 California Mechanical Code, published and copyrighted by the International Association of Plumbing and Mechanical Officials and the California Building Standards Commission in Part 4 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The 2019 California Mechanical Code shall be designated and referred to as the "Mechanical Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Chapter 6 – ELECTRICAL CODE

Chapter 6 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:
Section 1 – Adoption of the Electrical Code
Section 2 – Amendments to the Electrical Code

Section 1 Adoption of the Electrical Code

II-6-1.01

The 2019 California Electrical Code, published and copyrighted by the National Fire Protection Agency and the California Building Standards Commission in Part 3 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The adoption includes Annexes A, B, C, D, and F. The 2019 California Electrical Code shall be designated and referred to as the "Electrical Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Section 2 Amendments to the Electrical Code

II-6-2.01

Amend Section 230.2 of the California Electrical Code by adding subsection (F) to read as follows:

230.2(F). Underground Service. All new electrical services shall be underground and installed per Section 230.30, Underground Service-Lateral Conductors. Exception: Relocation or replacement of existing electrical services at existing buildings.

II-6-2.02

Amend Section 230.70(A) of the California Electrical Code by adding subsection (4) to read as follows:

(4) Main Service Disconnect Location. The building main service disconnect and/or disconnects shall be installed on the first floor level of the building, in accordance with 230.70(A)(1), (A)(2), and (A)(3).

II-6-2.03

Amend Section 250.50 of the California Electrical Code by adding subsection (A) to read as follows:

250.50(A). Grounding System in New Buildings. Grounding electrode systems in all new buildings shall be an electrode encased by at least 50 mm (two inches) of concrete, located horizontally near the bottom or vertically, and within that portion of a concrete foundation or footing that is in direct contact with earth. The electrode shall consist of at least 6.0 m (20 feet) of one or more steel reinforcing bars or rods, of not less than 13 mm (½ inch) diameter, or consisting of at least 6.0 m (20 feet) of bare copper conductor not smaller than 4 AWG. The connection side of this concrete-encased electrode shall be located remotely away from the main electrical service equipment.

Chapter 7 – PLUMBING CODE

Chapter 7 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:
Section 1 – Adoption of the Plumbing Code

Section 1 Adoption of the Plumbing Code

II-7-1.01

The 2019 California Plumbing Code, published and copyrighted by the International Association of Plumbing and Mechanical Officials and the California Building Standards Commission in Part 5 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The adoption includes Appendices A, B, C, D, I, and M. The 2019 California Plumbing Code shall be designated and referred to as the "Plumbing Code" for the City of Milpitas. There is one copy of said code on file in the office of the Building Official for use and examination by the public.

Chapter 10 – SWIMMING POOL AND SPA CODE

Chapter 10 of Title II of the Milpitas Municipal Code is hereby added to read as follows:

Sections:
Section 1 – Adoption of the Swimming Pool and Spa Code

Section 1 Adoption of the Swimming Pool and Spa Code

II-10-1.01

The 2018 International Swimming Pool and Spa Code, published by the International Code Council, Inc., is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The 2018 International Swimming Pool and Spa Code shall be designated and referred to as the "Swimming Pool and Spa Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Chapter 13 – GRADING, EXCACATION, PAVING AND EROSION CONTROL

Chapter 13 Section II-13-39 subsection .02 is hereby amended to read as follows:

.02 The design guidelines for construction Best Management Practices and permanent stormwater quality protection shall conform to the City's Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) permit, issued by the State of California Regional Water Quality Control Board by Order R2-2015-0049 for Municipal Regional Permit Number (MRP) CAS612008. Developers are responsible for reviewing and complying with the MRP conditions.

Chapter 14 – EXISTING BUILDING CODE

Chapter 14 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:
Section 1 – Adoption of the Existing Building Code

Section 1 Adoption of the Existing Building Code

II-14-1.01
The 2019 California Existing Building Code, published and copyrighted by the International Code Council, Inc. and the California Building Standards Commission in Part 10 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The adoption includes Appendices A1, A2, A3, and A5. The 2019 California Existing Building Code shall be designated and referred to as the "Existing Building Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Chapter 150 – HISTORICAL BUILDING CODE

Chapter 150 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Sections:
Section 1 – Adoption of Historical Building Code

Section 1 Adoption of the Historical Building Code

II-150-1.01
The 2019 California Historical Building Code, published and copyrighted by the International Code Council, Inc. and the California Building Standards Commission in Part 8 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The 2019 California Historical Building Code shall be designated and referred to as the "Historical Building Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Chapter 170 – GAS SHUT-OFF DEVICES

Chapter 170 Section II-170-2.00 is hereby amended to read as follows:

II-170-2.00 – Location of Installation

(1) An approved Seismic Gas Shut-off Device (motion sensitive) or an approved Excess Flow Gas Shut-off Device (non-motion sensitive) shall be installed downstream of the gas utility meter where the gas line serves any new building (commercial, industrial or residential) containing fuel gas piping for which a building permit is first issued on or after the effective date of the ordinance codified in this Chapter.

(2) An approved Seismic Gas Shut-off Device (motion sensitive) or an approved Excess Flow Gas Shut-off Device (non-motion sensitive) shall be installed downstream of gas utility meter when providing alteration or addition to the existing gas fuel line.

SECTION 4. EXPRESS FINDINGS

Pursuant to California Health and Safety Code Sections 17958.7 and 18941.5, the City Council hereby finds that the above amendments are necessary due to local climatic, geological or topographical conditions as set forth in **Exhibit A**.

SECTION 5. REPEAL OF CONFLICTING ORDINANCES

Upon adoption of each new California Building Standards Code, the Ordinance adopting the previously adopted California Building Standards Code is superseded in its entirety. This Ordinance does not repeal Ordinance No. 65.148, which adopts by reference and amends the 2019 California Energy Code, Ordinance No. 65.149, which adopts by reference and amends the 2019 California Green Building Standards Code, nor Ordinance No. 113.25, which adopts by reference and amends the 2019 California Fire Code.

SECTION 6. SEVERABILITY

The provisions of this Ordinance are separable, and the invalidity of any phrase, clause, provision or part shall not affect the validity of the remainder.

SECTION 7. EFFECTIVE DATE AND POSTING

In accordance with Section 36937 of the Government Code of the State of California, this Ordinance shall take effect thirty (30) days from and after the date of its final adoption by the City Council, but no sooner than January 1, 2020. The City Clerk of the City of Milpitas shall cause this Ordinance or a summary thereof to be published in accordance with Section 36933 of the Government Code of the State of California.

EXHIBIT A

**FINDINGS IN SUPPORT OF AMENDMENTS
TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS:
LOCAL CLIMATIC, GEOLOGICAL OR TOPOGRAPHICAL CONDITIONS**

Chapter 3 – BUILDING CODE

The proposed substantive amendments to the Building Code involve the following:

(1) Automatic sprinkler systems
(2) Roofing cover requirement for hillside areas
(3) Special inspection exception
(4) Foundations and foundation reinforcement

The following findings support that the above amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions:

(1) Automatic sprinkler systems

Amending the Code to remove exceptions where automatic sprinklers are not required is due to Milpitas being situated in an area of high seismic activities as indicated by the United States Geological Survey and the California Division of Mines and Geology. There is a higher level of risk for significant building damage and fire due to the higher incidence and magnitude of earthquakes in this area. Maintaining a higher level of life-safety of building occupants by providing removal of exceptions to installation of automatic fire sprinkler systems is therefore required.

(2) Roofing cover requirement for hillside areas

Amending the Code to require that the roof covering for structures in the hillside area is a minimum Class B is necessary due to the climatic conditions of the area. The hillside area has a long history of high winds, with an associated higher risk of accelerated and more significant structure damage and higher potential for related casualties.

(3) Special inspection exception

Amending the Code to require special inspection for isolated spread concrete footings of buildings of three stories or less where the structural design of the footing is based upon a specified compressive strength of concrete greater than 2,500 psi is necessary due to expansive (clay) soils and seismic activity common to this geological area.

(4) Foundations and foundation reinforcement

Amending the Code to require all new foundations for building additions to R-3 occupancies shall be of the same type of foundation system as the existing structure, unless the foundation system is designed, and plans, calculations, and specifications are prepared, stamped and signed, by a California licensed engineer or architect, is necessary due to expansive (clay) soils and seismic activity common to this geological area.

Chapter 3.5 – RESIDENTIAL CODE

The proposed substantive amendments to the Residential Code involve the following:

(1) Roofing cover requirement for hillside areas

The following findings support that the above amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions:

(1) Roofing cover requirement for hillside areas

Amending the Code to require that the roof covering for structures in the hillside area is a minimum Class B is necessary due to the climatic conditions of the area. The hillside area has a long history of high winds, with an associated higher risk of accelerated and more significant structure damage and higher potential for related casualties.

Chapter 6 – ELECTRICAL CODE

The proposed substantive amendments to the Electrical Code involve the following:

(1) Requirement for all new electrical services to be underground
(2) Disconnects of electrical power for each building to be in a readily accessible location on the first floor
(3) Grounding systems in new buildings shall be an electrode encased in concrete

The following findings support that the above amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions:

(1) Requirement for all new electrical services to be underground

Buildings in many areas of Milpitas are located in high wind areas and flood plains. Due to these local climatic conditions, amending the Code to provide for elimination of overhead services that are inherently less safe in the event of windstorms and floods will provide a higher level of safety.

(2) Disconnects of electrical power for each building to be in a readily accessible location on the first floor

Amending the Code provides for a quicker means of finding the location of the main power disconnects to buildings in the event of seismic events and related potential for fire and other emergencies. This is critical as Milpitas is located in in an area of high seismic activities.

(3) Grounding systems in new buildings shall be an electrode encased in concrete

Amending the Code allows significantly higher assurances that the grounding of the building electrical system will not deteriorate and fail due to the acidic and expansive properties of local soils. Other types of grounding, such as rods, will be subject to deterioration in local soils, whereas an encased electrode will not be in contact with the soils.

Providing equipment grounding conductors enhances capability of keeping electrical systems grounded, which is important in high amperage electrical services common to the City of Milpitas.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	Waive the Second Reading and Adopt Ordinance No. 38.837 Amending Milpitas Municipal Code Title XI, Chapter 10, Sections 2, 4, 5, 7, and 56 Relating to Assembly and other Nonindustrial Uses in the M2 Heavy Industrial Zoning District (Staff Contact: Rozalynne Thompson, Senior Planner, 408-586-3278)
Category:	Consent Calendar-Community Development
Meeting Date:	11/5/2019
Staff Contact:	**Rozalynne Thompson, Senior Planner, 408-586-3278**
Recommendation:	Move to waive the second reading and adopt No. 38.837 amending Milpitas Municipal Code Title XI, Chapter 10, Sections 2, 4, 5, 7, and 56 relating to assembly and other nonindustrial Uses in the M2 Heavy Industrial Zoning District

Background:
This Ordinance was introduced at the October 15, 2019 City Council meeting. The Ordinance has been updated and is now ready for its second reading and adoption.

Fiscal Impact:
There is no fiscal impact to the proposed Ordinance adoption.

California Environmental Quality Act:
This ordinance is categorically exempt from environmental review under the California Environmental Quality Act (CEQA) in accordance with CEQA Guidelines Section 15061(b)(3) (Common Sense Exemption) and, as a separate and independent basis, Section 15183 (Projects Consistent with a Community Plan, General Plan, or Zoning).

Recommendation:
Move to waive the second reading and adopt No. 38.837 amending Milpitas Municipal Code Title XI, Chapter 10, Sections 2, 4, 5, 7, and 56 relating to assembly and other nonindustrial Uses in the M2 Heavy Industrial Zoning District.

Attachments:
1. Ordinance No. 38.837

REGULAR

NUMBER: **38.837**

TITLE: **AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MILPITAS AMENDING SECTIONS OF CHAPTER 10 OF TITLE XI OF THE MILPITAS MUNICIPAL CODE RELATING TO ASSEMBLY AND OTHER NON-INDUSTRIAL USES IN THE M2 HEAVY INDUSTRIAL ZONING DISTRICT AND MAKING FINDINGS OF CEQA EXEMPTION**

HISTORY: This Ordinance was introduced (first reading) by the City Council at its meeting of October 15, 2019, upon motion by Councilmember Montano and was adopted (second reading) by the City Council at its meeting of _____, upon motion by _____. The Ordinance was duly passed and ordered published in accordance with law by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

RECITALS AND FINDINGS:

WHEREAS, the City of Milpitas, California (the "City") is a municipal corporation, duly organized under the constitution and laws of the State of California; and

WHEREAS, California Government Code Section 65800 et seq. authorizes the adoption and administration of zoning laws, ordinances, rules and regulations by cities as a means of implementing the General Plan; and

WHEREAS, maintaining a sufficient supply of land zoned exclusively for industrial uses and similar compatible uses is important for the health and diversity of the City's economy and job market; and

WHEREAS, industrial lands have a net positive impact on the City's budget, generating more dollars in tax revenue than they cost in service expenditures, thereby helping to offset the cost of providing City services to lands with other uses such as residential and public; and

WHEREAS, the zoning regulations for industrial zones in Milpitas currently conditionally permit several nonindustrial uses that may be incompatible with adjacent heavy industrial activities, and the approval of conditional use permits for several nonindustrial uses in industrial zones in recent years has begun to adversely impact the integrity of industrial areas of the City; and

WHEREAS, the City Council and City Manager have determined that the preservation of industrial lands is an important policy priority for Milpitas; and

WHEREAS, restricting or prohibiting nonindustrial land uses in industrial zoning districts is an essential component in maintaining the supply of industrial land as well as the viability of such land for heavy industrial activities; and

WHEREAS, the City has prepared a Zoning Amendment ("Amendment") to the City's Municipal Code, including refinements to Section 2 ("Definitions"), Subsection 4.02 ("Residential Use Regulations"), Subsection 5.02 ("Commercial Use Regulations"), Subsection 7.02 ("Industrial Use Regulations"), and Subsection 56.04 ("Nonconforming Use of Land") of the Municipal Code; and

WHEREAS, on June 26, 2019 and July 31, 2019, the Planning Commission for the City of Milpitas held a lawfully noticed public hearing to solicit public comment and consider the proposed Amendment, take public testimony, and make a recommendation to the City Council on the project; and

WHEREAS, this ordinance is exempt from the California Environmental Quality Act, Public Resources Code Section 21000, *et seq*., each as a separate and independent basis, pursuant to CEQA Guidelines Section 15183 (projects consistent with the General Plan); Section 15301 (existing facilities) and Section 15061(b)(3) (no possibility of significant environmental effect)

NOW, THEREFORE, the City Council of the City of Milpitas does ordain as follows:

SECTION 1. RECORD AND BASIS FOR ACTION

The City Council has duly considered the full record before it, which may include but is not limited to such things as the City staff report, testimony by staff and the public, and other materials and evidence submitted or provided to the City Council. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

SECTION 2. CALIFORNIA ENVIRONMENTAL QUALITY ACT

Based on its review of the entire record, including the staff report, public comments and testimony presented to the Planning Commission and City Council, and the facts outlined below, the City Council hereby finds and determines that this ordinance is categorically exempt from the California Environmental Quality Act ("CEQA") under CEQA Guidelines, § 15061(b)(3), also known as the "common sense exemption", which exempts from CEQA any project where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment. A "significant

on the environment" means a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project. This Ordinance would impose more restrictive land use regulations in the city's industrial areas than those currently in effect for the purpose of protecting environmental quality, public health, and public safety. Therefore, it can be seen with certainty that there is no possibility that this Ordinance would have a significant effect on the environment; accordingly, this Ordinance is exempt from CEQA review.

Moreover, the City Council hereby finds that the introduction and adoption of this Ordinance is categorically exempt from CEQA pursuant to CEQA Guidelines Section 15183 (Projects Consistent with a Community Plan, General Plan, or Zoning). Section 15183 of the CEQA Guidelines provides that projects that are consistent with a Community Plan, General Plan or Zoning for which an EIR has been certified "shall not require additional environmental review, except as might be necessary to examine whether there are project-specific significant effects which are peculiar to the project or its site." The Land Use Element includes several policies and guidelines related to preserving industrial lands, ensuring a balanced and diverse economic base, and prioritizing the City's fiscal well-being when making land use decisions. The Amendment restricting uses in the industrial zones help accomplish all these goals. Therefore, the proposed Amendment is consistent with the General Plan. Therefore, the proposed Amendment is consistent with the General Plan and is exempt from CEQA pursuant to Section 15183 of the CEQA Guidelines.

Accordingly, this Ordinance is exempt from CEQA review pursuant to Sections 15061(b)(3), 15301, and 15183 of the CEQA Guidelines, each as a separate and independent basis.

SECTION 3. GENERAL PLAN CONSISTENCY

The proposed zoning amendment supports several of the guiding principles and policies of the General Plan. The Land Use Element includes several policies and guidelines related to preserving industrial lands, ensuring a balanced and diverse economic base, and prioritizing the City's fiscal well-being when making land use decisions. The Amendment restricting uses in the industrial zones help accomplish all these goals. Therefore, the proposed Amendment is consistent with the General Plan.

SECTION 4. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 2, SUBSECTION 2.03

Title XI, Chapter 10, Section 2 "Definitions," Subsection XI-10-2.03 "Definitions" of the Milpitas Municipal Code is hereby amended to add the following definitions to read as follows:

> "Assembly" means the provision of activities for assembled groups of participants at institutions or facilities including but not limited to private and nonprofit clubs; social or fraternal organizations; and churches, temples, synagogues and other places of worship. Assembly uses in the context of groups of people is distinct from and unrelated to the definition of the industrial use "Assembly from pre-processed materials."
>
> "Assembly from pre-processed materials" means assembling, packaging, or distributing from previously prepared materials, such as cloth, plastic, paper, leather, precious or semi-precious metals or stones, electric or electronic instruments and devices such as television, radios, and pharmaceutical products. Assembly in the context of industrial manufacturing is distinct from and unrelated to the definition of "Assembly" involving groups of people.
>
> "Places of Assembly." See "Assembly"

SECTION 5. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 4, SUBSECTION 4.02, TABLE XI-10-4.02-1

Title XI, Chapter 10, Section 4 "Residential Zones and Standards," Subsection XI-10-4.02 "Residential Use Regulations," Table XI-10-4.02-1 "Residential Zone Uses" of the Milpitas Municipal Code is hereby amended to read as follows:

Table XI-10-4.02-1
Residential Zone Uses

Use	R1	R2	R3	R4	R5
1. Commercial					
Commercial services [1,2]	NP	NP	C	C	C
2. Professional Offices and related uses					
Offices [1,2]	NP	NP	C	C	C
3. Public/Quasi-Public and Institutional Uses					
Child care center	C	C	C	C	P
Nursing home [3]	NP	C	C	C	C
Park, playground or community center (non-profit)	C	C	C	C	C
Parking lots	C	C	C	C	C
School (not trade or vocational)	C	C	C	C	C
Places of Assembly	C	C	C	C	C
4. Residential Uses					
Condominiums and condo conversions	NP	SFR: C Duplex: C	C	C	C
Duplex (Two dwellings)	NP	P	NP	NP	NP
Group dwelling	NP	NP	NP	C	C
Guest house	C	NP	NP	NP	NP
Manufactured home [4]	P	P	NP	NP	NP
Multi-family dwellings (Three or more units)	NP	NP	P	P	P
Planned unit development [5]	P	P	P	P	P
Second residential dwelling unit [6]	P	SFR: P Duplex: NP	NP	NP	NP
Single-family dwelling	P	P	NP	NP	NP
Single-room occupancy residences [7]	NP	NP	C	C	C
Transitional and supportive housing	P [8]	P [8]	P [9]	P [9]	P [9]
5. Restaurants					
Restaurants [1,2]	NP	NP	C	P/C	P/C
6. Unclassified Uses					
Agriculture [10]	P	P	P	NP	NP
Boarding house (three or more persons)	NP	C	C	C	C
Golf course [11]	C	C	C	NP	NP
Live work units [12]	NP	NP	C	C	C
Model home complex [13]	P	P	P	P	P

[1] Refer to Subsection XI-10-4.03(A), Residential Zone Special Uses, of this Chapter, for standards.
[2] Refer to Subsection XI-10-4.03(B), Residential Zone Special Uses, of this Chapter, for standards.
[3] Licensed nursing home serving more than six persons, except when used primarily for contagious sickness, mental or drug alcohol addict cases.
[4] Refer to Subsection XI-10-13.07, Manufactured Homes, of this Chapter, for standards.
[5] Refer to Subsection XI-10-54.07, Planned Unit Developments, of this Title, for standards.
[6] In conjunction with an existing or proposed legal single-family dwelling or duplex. Refer to Subsection XI-10-13.08, Accessory Dwelling Units, of this Chapter, for standards.
[7] Refer to XI-10-13.13, Special Uses, Single Room Occupancy Residences, of this Chapter

[8] Permitted only in single family dwellings
[9] Permitted only in multi-family dwellings
[10] Except for the raising of animals or fowl for commercial purposes, or the sale of any products at retail on the premises.
[11] Except for driving tee or range, miniature course and similar uses operated for commercial purposes.
[12] Allowed commercial uses to be specified through the Conditional Use Permit process.
[13] Refer to Subsection XI-10-13.11(E), Model Home Complexes and Sales Offices, of this Chapter for temporary tract offices.

SECTION 6. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 5, SUBSECTION 5.02, TABLE XI-10-5.02-1

Title XI, Chapter 10, Section 5 "Commercial Zones and Standards," Subsection XI-10-5.02 "Commercial Use Regulations," Table XI-10-5.02-1 "Commercial Zone Uses" of the Milpitas Municipal Code is hereby amended to read as follows:

Table XI-10-5.02-1
Commercial Zone Uses

Use	CO	C1	C2	HS	TC
1. Commercial Uses					
Alcoholic beverage sales	C [6]	C	C	NP	C
Art/photography studio or gallery	NP	P	P	P	P
Bookstore	NP	P	P	P	P
Commercial services [1]	P	P	P	NP	P
Funeral home or mortician	NP	NP	C	C	NP
Furniture sales	NP	P	P	P	P
Grocery store (supermarkets)					
Within 1,000 ft. of residential zone	NP	C	C	C	C
Not within 1,000 ft. of residential zone	NP	P	P	P	P
Head/smoke/tobacco shop	NP	C	C	NP	C
Home improvement (hardware, blinds, interior decorating, etc.)	NP	P	P	C	P
Not fully enclosed operation	NP	C	C	C	C
Household appliance store [7]	NP	NP	P	P	NP
Small appliance repair	NP	NP	MCS	P	NP
Large appliance repair	NP	NP	NP	P	NP
Janitorial services	NP	NP	P	P	NP
Newsstand					
Indoor	P	P	P	NP	P
Outdoor	C	C	C	NP	C

Nursery (flower or plant)					
Indoor	NP	NP	P [2]	P	P
Outdoor	NP	NP	C	P	NP
Office supply sales (stationery, equipment)	P	P	P	P	P
Paint and wallpaper stores	NP	NP	P	P	P
Pawnshops	NP	NP	C	NP	NP
Pet stores	NP	NP	P	P	P
Printing (newspaper, publishing)	NP	NP	P	P	P
Rentals (medical supplies, costumes, party equipment, office equipment)	NP	NP	P	P	P
Retail stores, general merchandise	NP	P	P	NP	P
Tanning salon	NP	NP	P	NP	P
Thrift store [3]	NP	C	P	P	P
2. Entertainment and Recreation					
Adult business [4]	NP	NP	NP	P	NP
Bowling alley	NP	NP	P	P	P
Commercial athletic facilities					
Indoor	NP	C	P	P	P
Outdoor	NP	NP	NP	C	NP
Motion picture theater (See 7 below)					
Recreation or entertainment facility	NP	C	C	C	C
Shooting range, indoor	NP	NP	NP	C	NP
3. Health and Veterinarian Uses					
Animal grooming (no boarding)	NP	P	P	P	P
Hospital	C	NP	C	C	C
Kennel	NP	NP	C	NP	NP
Massage establishment	NP	NP	C	C	C
Medical and dental office	P	P	P	NP	P
Medical and dental clinic	P	C	C	NP	P

Medical support laboratories	P	C	C	C	C
Optician and optometrist shop	P	P	P	NP	P
Pharmacy or drug store	NP	P	P	P	P
Sauna and steam bath	NP	NP	NP	P	NP
Veterinary clinic	NP	NP	P	P	P
4. Industrial Uses [5]					
Assembly from pre-processed materials	NP	NP	C	NP	NP
Commercial fueling facility	NP	NP	NP	C	NP
Commercial laboratory	NP	NP	C	P	NP
Contractor's yards and offices	NP	NP	C	C	NP
Disinfection and extermination business	NP	NP	C	P	NP
Dry cleaning plant	NP	NP	NP	P	NP
Food storage locker	NP	NP	NP	P	NP
Landscape contractor	NP	NP	C	P	NP
Lumberyards	NP	NP	C	C	NP
Mini-storage complex	NP	NP	C	C	NP
Plumbing, metalworking, glassworking or woodworking	NP	NP	C	C	NP
Research & development	NP	NP	C	NP	NP
Sign sales and fabrication (Electric and neon sign, sign painting)	NP	NP	C	P	NP
Warehousing and wholesale	NP	NP	C	NP	NP
5. Lodging					
Hotel and motel	NP	NP	C	C	C
6. Professional Offices, Financial Institutions and Related Uses					
Automatic teller machines (freestanding) [6]	NP	P	P	P	P
Financial institutions (banks, savings and loans, etc.)	P	P	P	P	P
General offices (administrative and business services, real estate, travel agencies, etc.)	P	P	P	P	P
7. Public, Quasi-Public and Assembly Uses					
Auction hall	NP	NP	C	C	C

Child care					
Child care center	C	C	C	C	C
Day care school	C	C	C	C	C
Large family child care home	NP	NP	NP	NP	C
Small family child care home	NP	NP	NP	NP	C
Places of Assembly	C	C	C	C	C
Cultural center	NP	NP	C	C	C
Educational institutions					
Schools, private (elementary, middle, high)	NP	NP	C	NP	C
Trade and vocational school	C	NP	P	P	C
Farmer's market (not including flea market)	NP	C	C	C	C
Instruction					
Group [8]	MCS	MCS	MCS	MCS	MCS
Private	P	P	P	P	P
Motion picture theater					
Indoor	NP	C	C	C	C
Outdoor	NP	NP	NP	C	NP
Parking facility, storage garage	NP	P	P	C	C
Public utilities	C	C	C	C	C
Transportation facility (taxi, limousine, etc.)	NP	NP	C	C	C
8. Restaurants or Food Service					
Banquet hall	NP	NP	C	C	C
Bar or nightclub	NP	NP	C	C	C
Catering establishment	NP	NP	P	P	P
Restaurants	C [7]	P	P	P	P
With live entertainment/dancing	NP	NP	C	C	C
With drive-in or drive-through	NP	C	C	C	C
With ancillary on-premise beer & wine with no separate bar	NP	MC	PMC	MC	MC

9. Residential Uses					
Caretaker (in conjunction with contractor's yard or mini-storage complex)	NP	NP	C	C	NP
Emergency shelters [9]	NP	NP	NP	P/C	NP
Single-room occupancy residences [10]	NP	NP	NP	C	NP
10. Vehicle Related Uses					
Auto repair (tire, oil change, smog check, etc.)	NP	NP	C	C	NP
Auto sales and rental, outdoor (new and used cars, RV and truck)	NP	NP	C	C	NP
Auto broker (wholesale, no vehicles on site)	MCS	MCS	MCS	MCS	MCS
Car wash	NP	NP	C	C	NP
Service stations (with or without repair or retail) [11]	C	C	C	C	C
Drive through uses (restaurants, pharmacies, etc.)	NP	C	C	C	C
11. Unclassified Uses					
Accessory structures [12]	P	P	P	P	P
Model home complex [13]	NP	NP	NP	NP	P
Mortuary or crematory	NP	NP	NP	C	NP
Radio or television station	NP	NP	C	P	NP
Temporary seasonal sales [14]	NP	P	P	P	P

[1] Refer to the definition for "Commercial Services" in Section 2, Definitions, of this Chapter.
[2] Provided that all incidental equipment and supplies, including fertilizer and empty cans, are kept within a building.
[3] Refer to XI-10-5.04, Commercial Zone Special Development Standards, of this Chapter.
[4] In accordance with the Title III, Chapter 4, Adult Business Ordinance, and Subsection 13.04, Adult Businesses, of this Chapter.
[5] For conditionally permitted uses, refer to Subsection 57.04(C) (9), Certain Industrial Uses within Commercial Districts, of this Chapter.
[6] Refer to Subsection 57.03, Site Development Permits and Minor Site Development Permits, of this Chapter.
[7] When intended to serve the occupants and patrons of the permitted use (office, etc.) and conducted and entered from within the building and provided there is no exterior display of advertising.
[8] Refer to Subsection 5.02-1, Commercial Zone Special Uses, of this Section.
[9] Refer to XI-10-13.14, Special Uses, Emergency Shelters, of this Chapter.
[10] Refer to XI-10-13.13, Special Uses, Single Room Occupancy Residences, of this Chapter.
[11] Refer to Subsection XI-10-6.02-2, Special Uses, of this Chapter, for standards. Service stations shall follow the "General development policy: Gasoline service stations, and automotive service centers" adopted by the City Council on December 19, 1995.
[12] Not including warehouses on the same site as the permitted use.
[13] No tract sign shall be permitted within 600 feet of a Santa Clara County Expressway.
[14] Refer to Section 13.11, Temporary Uses and Structures, of this Chapter.

SECTION 7. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 7, SUBSECTION 7.02, A(2)

The following entry in Title XI, Chapter 10, Section 7 “Industrial Zones and Standards,” Subsection XI-10-7.02, A (2) “Industrial Use Regulations” of the Milpitas Municipal Code is hereby amended to read as follows:

A. Permitted and Conditionally Permitted Uses.

2. Accessory Uses. The following accessory uses are allowed when incidental to the primary use:

a. In M1 and MP zones, incidental services, such as restaurants and recreation facilities for employee use only and when conducted in and entered from within the building or campus.

SECTION 8. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 7, SUBSECTION 7.02, TABLE XI-10-7.02-1

Title XI, Chapter 10, Section 7 "Industrial Zones and Standards," Subsection XI-10-7.02 "Industrial Use Regulations," Table XI-10-7.02-1 of the Milpitas Municipal Code is hereby amended to read as follows:

Table XI-10-7.02-1
Industrial Zone Uses

Use	M1	M2	MP
1. Commercial Uses			
Adult Businesses [1]	P	NP	NP
Business support services	P	NP	P
Commercial services	P	NP	P
Janitorial services	P	NP	P
Office supplies	C	NP	C
Printing (newspaper, blueprint, publishing)	P	NP	C
Retail stores, general merchandise [2]	C	NP	C
2. Entertainment and Recreation Uses			
Billiards	C	NP	C
Commercial athletic facilities	C	NP	C
3. Health and Veterinarian Uses			
Hospitals	NP	NP	C
Kennel	P	NP	NP
Medical support laboratories	P	NP	P
Medical and dental offices and clinics [2]	P	NP	P
Veterinarian hospital	P	NP	P
4. Industrial Uses			
Assembly from pre-processed materials [3]	P	P	P
Auto assembly facility	NP	P	NP
Bottling facility	P	P	NP
Building material sales (equipment rental) [4]	NP	C	NP

Commercial fueling facility	C	C	NP
Commercial laboratory	P	P	P
Contractor's yard and offices [4]	NP	C	NP
Distribution facility	P	P	P
Freight and trucking yard [4]	NP	P	NP
Mini-storage complex	C	C	NP
Plumbing, metalworking, glassworking or woodworking	P	P	NP
Plant or facility (research & development, assembly, manufacturing, packaging, processing, repairing, etc. or materials, merchandise or products)	P	P	P
Pottery or tile manufacturing	P	P	NP
Recycling processing facility	C	C	NP
Warehousing and wholesale	P	P	P
5. Lodging Uses			
Hotels/motels	C	NP	C
6. Professional Office Uses			
Administrative, professional or research [2]	P	NP	P
Financial institutions (banks, savings and loans, etc.)	C	NP	P
7. Public, Quasi-Public and Assembly Uses			
Auditorium [5]	NP	NP	C
Conference center [5]	NP	NP	C
Vocational school	C	NP	C
Farmer's market (not including flea market) [6]	NP	NP	C
Public utilities [7]	P	P	P
Transportation facility (taxi, parcel service, armored car, etc.) [4]	NP	P	NP
Temporary Public Safety Uses [8]	C	C	C
Places of assembly [12]	C	NP	C
8. Residential Uses			
Caretaker's residence	C	C	NP
9. Restaurants or Food Service Uses			

Catering	P	NP	P
Restaurants			
With on-site service of alcohol	C	NP	C
Without on-site service of alcohol	C	NP	C
With live entertainment/dancing	NP	NP	NP
Drive-in or drive-thru	C	NP	C
10. Vehicle Related Uses			
Auto junk yard [4]	NP	C	NP
Auto repair (tire, oil change, smog check, etc.) [9]	C	P	C [10]
Service stations (with or without repair or retail) [9]	C	C	C
With car wash	NP	C	C
Vehicle sales and rental (auto, RV and truck-new and used in operable condition) [11]	C	C	C [10]
Auto broker (wholesale, no vehicles on site) [12]	MCS	MCS	MCS

[1] In accordance with the Title III, Chapter 4, Adult Business Ordinance and Subsection XI-10-13.04, Adult Businesses, of this Chapter.
[2] When found necessary to serve and appropriate to the industrial area.
[3] Assembling, packaging, or distribution from previously prepared materials, such as cloth, plastic, paper, leather, precious or semi-precious metals or stones, electric or electronic instruments and devices such as television, radios, and pharmaceutical products.
[4] When conducted wholly within a completely enclosed building or within an area enclosed on all sides with a solid wall or fence (e.g. chain link with slats) not less than eight feet in height.
[5] Shall be ancillary to the primary use or associated with business or industrial uses.
[6] Refer to Subsection XI-10-13.10, Farmers Markets, of this Chapter.
[7] Includes service facilities, electric transmission and distribution substations and public utility service centers.
[8] See Subsection XI-10-13.11(G), Temporary Public Safety Uses.
[9] Entrances to the services bays shall not be open to the street, but shall be so designed to face the rear or interior side property line.
[10] Within MP zones, rental and repair may be considered only when ancillary to new auto dealerships.
[11] Within MP zones, boat and camper sales are prohibited. Dealerships shall be on property at least three acres or greater in area.
[12] See Subsection XI-10-7.04(A)(1), Industrial Zone Special Development and Performance Standards.

SECTION 9. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 7, SUBSECTION 7.04

Title XI, Chapter 10, Section 7 "Industrial Zones and Standards," Subsection XI-10-7.04, B(3) "Industrial Zone Special Development and Performance Standards" of the Milpitas Municipal Code is hereby amended to read as follows:

B. Special Development Standards in All Industrial Zones.

3. Places of Assembly. Places of Assembly are prohibited in the M2 Heavy Industrial Zone. When any place of assembly use is established in an M1 or MP zone after the effective date of this Ordinance, such use shall be subject to the following requirements:

a. Applicant shall submit a review of potential hazardous site conditions and potential exposure of site users to these conditions. At a minimum, a Phase I Environmental Site Assessment (ESA) shall be performed for each proposed assembly use within the City's Light Industrial (M1), and Industrial Park (MP) zoning districts. Each individual project shall comply with the recommendations of the Phase I Environmental Site Assessment (which may include conducting Phase II sampling and implementing the recommendations of the Phase II ESA that may include cleanup of hazardous materials) and demonstrate that exposure of site users to hazardous materials conditions would be below established

thresholds prior to approval of the Conditional Use Permit. In addition, an Accidental Release Assessment (ARA) shall be performed for each proposed assembly use within the City's Light Industrial (M1) and Industrial Park (MP) zoning districts to determine if unacceptable safety risks may result from the proposed change in use. The ARA shall review and evaluate any and all Risk Management Plans prepared for facilities in the vicinity under the California Accidental Release Prevention (CalARP) program. The environmental professional preparing the ARA shall determine, based on Alternative Release Scenarios, whether the proposed new assembly use would result in unacceptable safety risks due to proximity of uses handling or emitting acutely hazardous materials. If unacceptable risks are identified, the proposed use shall not be allowed.

b. Applicant shall submit a further noise study. The noise study shall demonstrate that ambient noise conditions within the vicinity of the proposed assembly use do not exceed the City's "normally acceptable" Noise Compatibility Standard of 70 dBA Ldn. In the event that existing conditions exceed the "normally acceptable" standard the proposed assembly use may be required to install noise insulating materials to achieve the interior noise standard. Also as a condition of approval, proposed assembly uses shall be required to sign a disclosure of acknowledgment that they agree to operate within an existing industrial area and may be subject to noise levels that exceed the City of Milpitas's Noise Compatibility Standards for noise-sensitive uses.

c. No assembly use shall install or otherwise use exterior public address systems or other noise generating equipment that exceeds the 70 dBA noise standard.

d. No new structure shall be construed within the M1 or MP zoning district for use as a place of assembly and no more than 50% of the square footage of any existing structure within the M1 or MP zoning district shall be converted to use as a place of assembly.

e. No exterior modifications to any existing structure within the M1 or MP zoning district shall be permitted if such modifications would materially alter the structure's appearance or future use as an industrial building.

SECTION 10. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE XI, CHAPTER 10, SECTION 56

Title XI, Chapter 10, Section 56 “Nonconforming Buildings and Uses” Subsection XI-10-56.03 “Nonconforming Use of Buildings and Structures” of the Milpitas Municipal Code is hereby amended and Subsection XI-10-56.03, (C) is hereby added to read as follows:

C. Expansion of Assembly Uses in the Heavy Industrial (M2) Zoning District.

1. Assembly uses approved after February 7, 2017, that are rendered legally non-conforming may expand in floor area up to 25 percent of existing floor area until December 31, 2020. Such expansions shall require approval of a Site Development Permit and Conditional Use Permit by the Planning Commission in accordance with the provisions of Section 57 “Applications.”

SECTION 11. SEVERABILITY

The provisions of this Ordinance are separable, and the invalidity of any phrase, clause, provision, or part has no effect on the validity of the remainder.

SECTION 12. EFFECTIVE DATE AND POSTING

In accordance with Section 36937 of the Government Code of the State of California, this Ordinance takes effect 30 days from the date of its passage. The City Council hereby directs the City Clerk to cause this Ordinance or a summary thereof to be published in accordance with Section 36933 of the Government Code of the State of California.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Adopt a Resolution Granting Acceptance of Public Improvements and Approving Reduction of Faithful Performance Bond for Public Improvements for the Waterstone Subdivision at 1494 California Circle by Lennar Homes of California, Inc., and Granting Authorization to the City Engineer to Release the Performance Bond After the One-year Warranty Period**
Category:	Consent Calendar-Community Development
Meeting Date:	11/5/2019
Staff Contact:	Steve Erickson, 408-586-3301
Recommendation:	Adopt a resolution: 1. Granting acceptance of public improvements for the Waterstone Subdivision at 1494 California Circle, Tract 10270, Public Improvement Plan No. 2-1193; and 2. Approving a reduction in the faithful performance bond to $190,000, which shall be subject to and in effect for the duration of a one-year warranty period; and 3. Granting authorization to the City Engineer to release the performance bond after the one-year warranty period, without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

Background:
On March 17, 2015, the City Council approved the Final Map, public improvement plans, and the Subdivision Improvement Agreement ("Agreement") for Tract 10270 for the Waterstone Subdivision located at 1494 California Circle by Lennar Homes of California, Inc ("Developer").

Public improvements included work along the California Circle project frontage, specifically installation of sidewalk, curb and gutter, curb ramps, driveways, pavement, utility services, landscaping and other miscellaneous items of work.

Analysis:
The public improvement work has been successfully completed in accordance with the approved plans and specifications, and the work is ready for City acceptance and commencement of the 1-year warranty period. Staff recommends the City Council adopt a resolution to accept the public improvements, reduce the performance bond to $190,000 which is 10% of the security's original value, and authorize the City Engineer to release the performance bond after the one-year warranty period once all required warranty work is satisfactorily completed.

Policy Alternatives:

Alternative 1:
Do not approve resolution granting acceptance of installed public improvements.

Pros: None

Cons: The Subdivision Improvement Agreement between the City and Developer requires the City to accept successfully installed pubic improvements that have passed inspection and meet the requirements of the approved plans and specifications. Not accepting the completed public improvements as required by the

Subdivision Improvement Agreement would delay the project and may subject the City to a claim by the Developer.

Reason not recommended: Granting acceptance of installed public improvements would allow the City to own and maintain the improvements and would ensure the City is in compliance with the terms of the agreement with the Developer.

Fiscal Impact:
The public improvements have been constructed by the Developer as a requirement of the Subdivision Improvement Agreement. The City will have perpetual maintenance responsibilities for the improvements following completion of the 1-year warranty period.

California Environmental Quality Act:
Granting acceptance of public improvements and reducing faithful performance bond for public improvements are not considered projects under CEQA as there will be no direct or reasonably foreseeable indirect physical change in the environment.

Recommendation:
Adopt a resolution:

1. Granting acceptance of public improvements for the Waterstone Subdivision at 1494 California Circle, Tract 10270, Public Improvement Plan No. 2-1193; and
2. Approving a reduction in the faithful performance bond to $190,000, which shall be subject to and in effect for the duration of a one-year warranty period; and
3. Granting authorization to the City Engineer to release the performance bond after the one-year warranty period, without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

Attachments:
Resolution

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MILPITAS APPROVING ACCEPTANCE AND REDUCING PERFORMANCE BOND OF WATERSTONE SUBDIVISION, TRACT NO. 10270 AND GRANTING AUTHORIZATION TO THE CITY ENGINEER TO RELEASE THE PERFORMANCE BOND AFTER THE ONE-YEAR WARRANTY PERIOD

WHEREAS, the City Council of the City of Milpitas on March 17, 2015, approved the plans and specifications for the Waterstone Subdivision, Tract No. 10270, (the "Project") to be completed by Lennar Homes of California, Inc., as part of its residential development on 1494 California Circle; and

WHEREAS, the City of Milpitas has heretofore entered into a subdivision improvement agreement on March 17, 2015 with Lennar Homes of California, Inc., for the Waterstone Subdivision; and

WHEREAS, Lennar Homes of California, Inc., as Principal, and The Continental Insurance Company, as Surety, executed and posted a certain Performance Bond No. 929606996 conditioned upon the faithful performance of the provisions of said subdivision improvement agreement and upon the faithful performance of all improvement work required thereunder; and

WHEREAS, said public improvements for Waterstone Subdivision have been completed and the subdivision improvement agreement provides that the security shall extend for a period of one year after the date of acceptance of said improvements to cover the warranty period of said improvements under said agreement; and

WHEREAS, the City Council is willing to consent to a reduction in the penal sum of said security during said one year warranty period; and

WHEREAS, the City Engineer of the City of Milpitas has made a final inspection of said improvements for the Waterstone Subdivision and recommends that the City Council of the City of Milpitas accept the same as constructed in accordance with the approved plans and specifications.

NOW, THEREFORE, the City Council of the City of Milpitas hereby finds, determines, and resolves as follows:

1. The City Council has considered the full record before it, which may include but is not limited to such things as the staff report, testimony by staff and the public, and other materials and evidence submitted or provided to it. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

2. Those certain public improvements constructed as part of the Waterstone Subdivision, Tract No. 10270, are hereby accepted as constructed in accordance with the approved plans and specifications upon recommendation of the City Engineer of the City of Milpitas.

3. The penal sum of the faithful performance bond securing said improvements may be reduced to the sum of $190,000, upon request of Principal and Surety, with said penal sum as reduced to apply from the date of completion and acceptance of said improvements and to extend for the balance of the term of one year of said security. Provided, however, that nothing herein contained shall in any way be deemed to be a waiver, release or relinquish by City of any obligations imposed upon the developer or his surety, or sureties, by law or by the above referend public improvement agreement, save and except as expressly set forth herein.

4. The City Council grants authorization to the City Engineer to release the performance bond after the one-year warranty period without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

PASSED AND ADOPTED this _____ day of _____, 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Adopt a Resolution Granting Acceptance of Public Improvements and Approving Reduction of Faithful Performance Bond for Public Improvements for the Coyote Creek Townhomes Subdivision at 601 Murphy Ranch Road by ORA Murphy Ranch 285 and Grant Authorization to the City Engineer to Release the Performance Bond After 1-year Warranty Period (Staff Contact: Steve Erickson, 408-586-3301)**
Category:	Consent Calendar-Community Development
Meeting Date:	11/5/2019
Staff Contact:	Steve Erickson, 408-586-3301
Recommendation**:**	Adopt a resolution: 1. Granting acceptance of public improvements for the Coyote Creek Townhomes Subdivision at 601 Murphy Ranch Road, Tract 10087, Public Improvement Plan No. 2-1151; and 2. Approving a reduction in the faithful performance bond to $30,000, which shall be subject to and in effect for the duration of a one-year warranty period; and 3. Granting authorization to the City Engineer to release the performance bond after the one-year warranty period, without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

Background:
On February 21, 2012, the City Council approved the Final Map, public improvement plans, and the Subdivision Improvement Agreement ("Agreement") for Tract 10087 for the Coyote Creek Townhomes Subdivision located at 601 Murphy Ranch Road by ORA Murphy Ranch 285, LLC ("Developer").

Public improvement work to be constructed by the Developer included installation of sidewalk, curb ramps, driveways, medians, utility services, street lights, landscaping and other miscellaneous items of work along Murphy Ranch Road.

Analysis:
The public improvement work has been successfully completed in accordance with the approved plans and specifications, and the work is ready for City acceptance and commencement of the 1-year warranty period. Staff recommends the City Council adopt a resolution to accept the public improvements, reduce the performance bond to $30,000 which is 10% of the security's original value, and authorize the City Engineer to release the performance bond after the one-year warranty period once all required warranty work is satisfactorily completed.

Policy Alternative:

Alternative: Do not adopt resolution granting acceptance of installed public improvements.

Pros: None

Cons: The Subdivision Improvement Agreement between the City and Developer requires the City to accept successfully installed pubic improvements that have passed inspection and meet the requirements of the approved plans and specifications. Not accepting the completed public improvements as required by the

Subdivision Improvement Agreement would delay the project and may subject the City to a claim by the Developer.

Reason not recommended: Granting acceptance of installed public improvements would allow the City to own and maintain the improvements and would ensure the City is in compliance with the terms of the agreement with the Developer.

Fiscal Impact:
The public improvements have been constructed by the Developer as a requirement of the Subdivision Improvement Agreement. The City will have perpetual maintenance responsibilities for the improvements following completion of the 1-year warranty period.

California Environmental Quality Act:
Granting acceptance of public improvements and reducing faithful performance bond for public improvements are not considered projects under CEQA as there will be no direct or reasonably foreseeable indirect physical change in the environment.

Recommendation:
Adopt a resolution:
1. Granting acceptance of public improvements for the Coyote Creek Townhomes Subdivision at 601 Murphy Ranch Road, Tract 10087, Public Improvement Plan No. 2-1151; and
2. Approving a reduction in the faithful performance bond to $30,000, which shall be subject to and in effect for the duration of a one-year warranty period; and
3. Granting authorization to the City Engineer to release the performance bond after the one-year warranty period, without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

Attachment:
Resolution

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MILPITAS APPROVING ACCEPTANCE AND REDUCING PERFORMANCE BOND OF COYOTE CREEK TOWNHOMES SUBDIVISION, TRACT NO. 10087 AND GRANTING AUTHORIZATION TO THE CITY ENGINEER TO RELEASE THE PERFORMANCE BOND AFTER THE ONE-YEAR WARRANTY PERIOD

WHEREAS, the City Council of the City of Milpitas on February 21, 2012, approved the plans and specifications for the Coyote Creek Townhomes Subdivision, Tract No. 10087, (the "Project") to be completed by ORA Murphy Ranch 285, LLC, as part of its residential development on 601 Murphy Ranch Road; and

WHEREAS, the City of Milpitas has heretofore entered into a subdivision improvement agreement on February 21, 2012 with ORA Murphy Ranch 285, LLC, for the Coyote Creek Townhomes Subdivision; and

WHEREAS, ORA Murphy Ranch 285, LLC, as Principal, and International Fidelity Insurance Company, as Surety, executed and posted a certain Performance Bond No. 0570345 conditioned upon the faithful performance of the provisions of said subdivision improvement agreement and upon the faithful performance of all improvement work required thereunder; and

WHEREAS, said public improvements for Coyote Creek Townhomes Subdivision have been completed and the subdivision improvement agreement provides that the security shall extend for a period of one year after the date of acceptance of said improvements to cover the warranty period of said improvements under said agreement; and

WHEREAS, the City Council is willing to consent to a reduction in the penal sum of said security during said one year warranty period; and

WHEREAS, the City Engineer of the City of Milpitas has made a final inspection of said improvements for the Coyote Creek Townhomes Subdivision and recommends that the City Council of the City of Milpitas accept the same as constructed in accordance with the approved plans and specifications.

NOW, THEREFORE, the City Council of the City of Milpitas hereby finds, determines, and resolves as follows:

1. The City Council has considered the full record before it, which may include but is not limited to such things as the staff report, testimony by staff and the public, and other materials and evidence submitted or provided to it. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

2. Those certain public improvements constructed as part of the Coyote Creek Townhomes Subdivision, Tract No. 10087, are hereby accepted as constructed in accordance with the approved plans and specifications upon recommendation of the City Engineer of the City of Milpitas.

3. The penal sum of the faithful performance bond securing said improvements may be reduced to the sum of $30,000, upon request of Principal and Surety, with said penal sum as reduced to apply from the date of completion and acceptance of said improvements and to extend for the balance of the term of one year of said security. Provided, however, that nothing herein contained shall in any way be deemed to be a waiver, release or relinquish by City of any

obligations imposed upon the developer or his surety, or sureties, by law or by the above referend public improvement agreement, save and except as expressly set forth herein.

4. The City Council grants authorization to the City Engineer to release the performance bond after the one-year warranty period without further City Council action provided all required warranty work is completed to the satisfaction of the City Engineer.

PASSED AND ADOPTED this _____ day of _____, 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Approve Funding Agreement Between the Bay Area Air Quality Management District and the City of Milpitas to Receive Grant Funds in the Amount of $32,000 for Electric Vehicle Charging Stations at City Hall and Public Works Building**
Category:	Consent Calendar-Community Services and Sustainable Infrastructure
Meeting Date:	11/5/2019
Staff Contact:	**Tony Ndah, Public Works Director, 408-586-2602**
Recommendation:	Approve funding agreement between the Bay Area Air Quality Management District and the City of Milpitas, to receive grant funds in the amount of $32,000 for Electric Vehicle Charging Stations at City Hall and Public Works Building.

Background:
The City Council has identified "Environment" as one of its seven priority areas. There are several items included in the adopted Operating and CIP budgets that support this Council priority. This includes funding to update the City's Climate Action Plan and funding to modernize and begin to green the City's fleet.

Transportation related emissions make up more than 50% of Milpitas's greenhouse gas emissions. Goal 10 of the City's adopted Climate Action Plan calls for the City to "provide and support expansion of infrastructure for low-emitting and fuel-efficient vehicles" including electric vehicle charging infrastructure. Transitioning the City's fleet to greener vehicles supports this goal area and serves as a visible example to the community of the City's commitment to sustainability. Additionally, because the City has opted up to GreenPrime electricity from Silicon Valley Clean Energy, electric vehicle charging stations at City facilities and the vehicles they charge will be powered by 100% renewable electricity.

Analysis:
Through the vehicle lease program approved by the City Council on June 7, 2019, the City will begin to transition the fleet to greener vehicles including plug-in electric hybrids and all electric vehicles. These vehicles are scheduled for delivery in early 2020. The City needs to have the charging infrastructure in place prior to vehicle delivery. Staff have been working through multiple collaboratives, including the Climate Mayors EV Purchasing Collaborative, to source competitively priced EV charging stations. The scope of the project will include charging capacity for up to 12 electric fleet vehicles at City Hall for staff in various departments and up to 4 electric fleet vehicles at the Public Works Building for Public Works and Information Technology staff.

In July 2019, the City of Milpitas submitted a grant application to the Bay Area Air Quality Management District (BAAQMD) *Charge!* Program for grant funding to offset some of the City's cost to purchase and install new EV charging stations.

BAAQMD notified the City on October 4, 2019 that it had completed its review of the City's application and is awarding the City $32,000 in Transportation Fund for Clean Air funds for the installation of 6 dual-port Level 2 charging stations at City Hall and 2 dual-port Level 2 changing stations at the Public Works Building.

The total estimated costs for the electrical upgrades, installation, and purchase of the EV charging stations is estimated to be approximately $150,000. This grant from BAAQMD of $32,000 will offset approximately 20% of the total project costs.

Policy Alternative:

Alternative: Do not accept the BAAQMD Grant

Pros: None.
Cons: City will not be able to offset any of the project costs.
Reason not recommended: It is in the City's best interest to leverage grants to reduce direct costs to the City when available.

Fiscal Impact:
The total estimated costs for the electrical upgrades, installation, and purchase of the EV charging stations is approximately $150,000. This grant from the BAAQMD of $32,000 will offset approximately 20% of the total project costs. The $200,000 in the FY19-20 Equipment Fund budget is sufficient to cover for the remaining balance of $118K.

California Environmental Quality Act:
Not a project.

Recommendation:
Approve funding agreement between the Bay Area Air Quality Management District and the City of Milpitas, to receive grant funds in the amount of $32,000 for Electric Vehicle Charging Stations at City Hall and Public Works Building.

Attachments:
BAAQMD Award Letter
BAAQMD FYE 2019 TFCA Funding Agreement

BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

ALAMEDA COUNTY
John J. Bauters
Pauline Russo Cutter
Scott Haggerty
Nate Miley

CONTRA COSTA COUNTY
John Gioia
David Hudson
Karen Mitchoff
Mark Ross

MARIN COUNTY
Katie Rice
(Chair)

NAPA COUNTY
Brad Wagenknecht

SAN FRANCISCO COUNTY
Gordon Mar
Tyrone Jue
(SF Mayor's Appointee)
Shamann Walton

SAN MATEO COUNTY
David J. Canepa
Carole Groom
Doug Kim

SANTA CLARA COUNTY
Margaret Abe-Koga
Cindy Chavez
(Secretary)
Liz Kniss
Rod G. Sinks
(Vice Chair)

SOLANO COUNTY
James Spering
Lori Wilson

SONOMA COUNTY
Teresa Barrett
Shirlee Zane

Jack P. Broadbent
EXECUTIVE OFFICER/APCO

Connect with the
Bay Area Air District:

October 4, 2019

Elaine Marshall
455 E. Calaveras Blvd.
Milpitas, CA 95035

Re: **Notice of Proposed Award for Transportation Fund for Clean Air FYE 2019 *Charge!***

Dear Mrs. Marshall,

Congratulations! We are writing to notify you that the Bay Area Air Quality Management District (Air District) has completed a review of City of Milpitas' application to the *Charge!* Program and is awarding Transportation Fund for Clean Air (TFCA) funds for the project detailed below.

Project #19EV063 **City of Milpitas' Electric Vehicle Charging Station Project**			
Facility #	**Facility Address**	**Number of Proposed EV Chargers**	**Proposed Award**
19EV063_ F01	455 E. Calavaras Blvd. Milpitas, CA 95035	6 dual-port level 2 (high)	$24,000
19EV063_ F02	1265 N. Milpitas Blvd. Milpitas, CA 95035	2 dual-port level 2 (high)	$8,000
		Total Proposed Award:	**$32,000**

The Air District is currently preparing a proposed Funding Agreement, which will be emailed to you within 30 days.

Please note that this letter is **not** the Notice to Proceed. The Notice to Proceed will be issued only after Funding Agreement has been fully executed (i.e., signed by both the Air District and the Project Sponsor). **Projects that commence (e.g., pre-order equipment, begin construction) prior to receiving the Notice to Proceed will be disqualified from receiving grant funding.**

We commend your efforts to help reduce air pollution. If you have any questions, please contact Mark Tang at mtang@baaqmd.gov or (415) 749-4778.

Sincerely,

10/3/19

Derrick Tang
Acting Technology Implementation Officer

CC (cover): Margaret Abe-Koga, Councilmember of City of Mountain View
Cindy Chavez, Supervisor of County of Santa Clara, 2nd District
Liz Kniss, Councilmember of City of Palo Alto
Rod G. Sinks, Councilmember of City of Cupertino

TRANSPORTATION FUND FOR CLEAN AIR FUNDING AGREEMENT

BETWEEN

THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

AND

CITY OF MILPITAS

PROJECT NUMBER: 19EV063

This funding agreement ("Agreement") is made and entered into between City of Milpitas, hereinafter referred to as "Project Sponsor," and the Bay Area Air Quality Management District, hereinafter referred to as the "Air District" (and hereinafter referred to jointly as the "Parties").

SECTION I
RECITALS

1) California Health and Safety Code Sections 44223 and 44225 authorize the Air District to levy a fee on motor vehicles registered within its jurisdiction and to use those fees to implement mobile source and transportation control projects that result in surplus emission reductions.

2) The Air District has established a grant fund, entitled the Transportation Fund for Clean Air ("TFCA") to implement such projects. Under the TFCA's Regional Fund Program, the Air District may issue TFCA funds to public agencies and, for certain vehicle-based projects, to other entities for projects within the Air District's jurisdiction ("TFCA Program").

3) California Health and Safety Code Section 44241 lists the permissible types of projects, all of which must conform to the transportation control measures and mobile source measures that are included in the Air District's air quality plan(s) adopted pursuant to California Health and Safety Code Sections 40233, 40717, and 40919 and are in effect as of the date of execution of this Agreement.

4) On May 2, 2018, the Air District's Board of Directors approved funding allocations for the TFCA Program for Fiscal Year Ending (FYE) 2019, under California Health and Safety Code Section 44241, and authorized the Executive Officer/Air Pollution Control Officer (APCO) to execute Grant Agreements for eligible projects funded by the TFCA Program, with individual grant awards up to $100,000.

5) On May 2, 2018, the Air District's Board of Directors also approved the cost-effectiveness limit for projects receiving TFCA Program funds.

6) On October 25, 2018, the Air District released the *Application Guidance for Charge! Program for FYE 2019 ("Program Guidance*"), which includes the Program Policies and sets forth additional requirements for eligible charging station projects.

7) The Air District selected Project Number 19EV063 ("Project") as an eligible project to improve air quality in the San Francisco Bay Area Basin based on the Program Guidance and the information provided in the Project Sponsor's application.

8) The Project Sponsor affirms that the Project has not commenced, would not have otherwise commenced without TFCA Program funding, and will result in surplus emission reductions.

9) The Parties desire to enter into this Agreement to implement the Project in accordance with the terms and conditions of this Agreement, including all attachments thereto.

NOW, THEREFORE, pursuant to California Health and Safety Code Section 44241, the Parties hereby agree as follows:

SECTION II
PROJECT SPONSOR OBLIGATIONS

1) The Project Sponsor hereby agrees to implement the Project, which is described in "Project Information" (Attachment A), in accordance with the costs, terms, and conditions in the "Project Budget and Payment Process" (Attachment B), and all applicable provisions of federal, state, and local law and regulations. Failure to implement the Project in accordance with the terms and conditions set forth in this Agreement and all attachments thereto shall be deemed a breach of this Agreement and may result in the Air District's enforcement of the Agreement, termination of the Agreement, a reduction of the Project's TFCA Funds Awarded that are specified in Attachment B, or other remedies sought by the Air District at its sole discretion.

2) The Project Sponsor shall pay all Project costs necessary to complete the Project prior to submission of the Final Invoice to the Air District for reimbursement. Air District's funding obligation under this Agreement is limited to reimbursement of Eligible Costs, as specified in Attachment B, the amount of which shall not exceed the TFCA Funds Awarded, also as specified in Attachment B. The Project Sponsor shall be solely responsible for all costs that exceed the TFCA Funds Awarded.

3) The Project Sponsor is responsible for assuring that all funds received under this Agreement and Matching Funds are expended only in accordance with the requirements of the TFCA Program, this Agreement, and all applicable provisions of law and regulations.

4) The Project Sponsor shall allow the Air District and its authorized representatives to conduct performance and fiscal audits of the Project at any time during the Term of this Agreement. The Project Sponsor shall cooperate with such audits and shall make available to the Air District all records relating to Project performance and expenses incurred in the implementation of the Project.

   The Project Sponsor shall allow the Air District or its authorized representatives to inspect the Project at any time during the Project Operational Period. The Project Sponsor shall cooperate with such inspections.

5) The Project Sponsor shall prepare and maintain all necessary Project Records to document Project activities and performance, including invoicing documentation set forth in Section 5 of Attachment B, documentation to support the Project reporting requirements set forth in Attachment C, and insurance documentation set forth in Attachment D (all of which comprise "Project Records"). Project Records shall also include documentation that verifies compliance with the requirements set forth in Section II.8. The Project Sponsor shall keep Project Records in one central location for a period of three (3) years after the later of a) the date of the Air District's final payment, or b) the end of the Project Operational Period.

6) The Project Sponsor shall submit the reports specified in Attachment C to the Air District by the due dates specified in Attachment C. These reports are public documents. At its discretion, the Air District may accept and process a late-submitted report, without thereby waiving or amending the submission deadline of any or all subsequent reports

7) The Project Sponsor shall implement and operate the Project for the duration of the Project Operational Period. The Project Sponsor may not make any changes to the operational status of the Project without the prior approval of the Air District. Failure to obtain prior approval is a breach of this Agreement.

   For purposes of this Agreement, a "change to the operational status" occurs whenever any portion of the Project is removed from active service other than for routine maintenance, relocated to a different location than what is specified in this Agreement (Attachment A), rendered inoperable, sold, or transferred to another entity, before full completion of the Project Operational Period.

   If the Project Sponsor intends to make a change to the Project's to the operational status, the Project Sponsor must seek a modification of this Agreement in advance to allow for a change pursuant to Section IV.3.

8) The Project Sponsor shall acknowledge, and require any third party that implements any portion of the Project ("Sub-awardee") to also acknowledge, the Air District as a Project funding source at all times throughout the Project Operational Period as specified in Attachment A. The Project Sponsor shall use, and require any Sub-awardee to use, the Air District's approved logo for the Project. The required documentation and materials are specified in Attachment C.

9) Beginning when the Project starts and throughout the Project Operational Period, the Project Sponsor shall obtain, maintain, and comply, and require any Sub-awardee to also obtain, maintain, and comply, with the insurance coverage specified in Attachment D, "Insurance Requirements," and with all insurance requirements set forth therein, including the provision of documentation of said insurance coverage.

10) To the extent not otherwise prohibited by law, and to the extent required by the California Public Records Act (Government Code section 6250 et seq.), the Project Sponsor shall place in the public domain any software, written document, or other product developed with TFCA Program funds as part of the Project and shall require recipients of any TFCA Program funds, if any, to do the same.

11) The Project Sponsor shall use TFCA Program funds only for the implementation of a project that will result in surplus motor vehicle emission reductions within the Air District's jurisdiction and be responsible for demonstrating the emission reductions achieved. Surplus emission reductions are those that exceed the requirements of applicable regulations or other legal obligations (including contracts) as of the Effective Date of this Agreement.

12) The Project Sponsor shall comply with all Program requirements set forth in "*Application Guidance for Charge! Grant Program for FYE 2019*," dated October 25, 2018, and which are incorporated herein and made a part hereof by this reference as if fully set forth herein.

SECTION III
AIR DISTRICT OBLIGATIONS

1) The Air District will provide TFCA Program funds for this Project in an amount not to exceed the TFCA Funds Awarded, in accordance with the formula set forth in Attachment B. In the event that the Total Project Cost is less than the amount listed in Attachment B, the Air District shall recalculate its contribution to the Project in accordance with the provisions of Section 3 of Attachment B.

2) The Air District will endeavor to pay the undisputed amount of an approved invoice within thirty (30) calendar days of the date of Air District's approval of such invoice and in accordance with the Invoice and Payment Schedule set forth in Section 5 of Attachment B.

3) The Air District will provide timely notice to the Project Sponsor prior to conducting any audits of the Project. Also, the Air District makes reasonable efforts to conduct audits and inspections during normal business hours of the Project Sponsor.

4) The Air District will provide the Project Sponsor a copy of the fiscal audit of the Project as specified in California Health and Safety Code Section 44242.

5) The Air District will provide the Project Sponsor all applicable Air District-approved reporting and invoice forms.

6) The Air District will make its logo available to Project Sponsor solely for use to fulfill the Project Sponsor's obligation under Section II.8 of this Agreement.

SECTION IV
GENERAL PROVISIONS

1) Effective Date: The effective date of this Agreement is the date the Air District Executive Officer/Air Pollution Control Officer executes this Agreement ("Effective Date").

2) Term: The term of this Agreement shall commence on the Effective Date of this Agreement and end three (3) years from the later of either 1) the date of the Air District's final payment, or 2) the last day of the Project Operational Period, unless this Agreement is terminated or amended as provided below, or the Term is extended pursuant to Special Conditions, Attachment A.

3) Amendment: This Agreement may not be modified except in writing, signed by both Parties hereto, and any attempt at oral modification of this Agreement shall be void and of no effect. Any change in Project scope shall require an Amendment under this Agreement.

4) Project Liaison: Within thirty (30) calendar days from the Effective Date of this Agreement, the Project Sponsor shall notify the Air District of the Project Sponsor's Project Liaison and of the Liaison's address, telephone number, and email address. The Project Liaison shall be the liaison to the Air District pertaining to implementation of this Agreement and shall be the day-to-day contact about the Project. All correspondence shall be addressed to the Project Liaison. The Project Liaison shall notify the Air District of a change of Project Liaison or of the Liaison's contact information in writing no later than thirty (30) calendar days from the date of the change.

5) Notices: Any notice that may be required under this Agreement shall be in writing, shall be effective when received, and shall be given by personal service, by U.S. Postal Service first class mail, or by certified mail (return receipt requested). Within thirty (30) calendar days of the Effective Date of this Agreement, the Parties shall inform the other Party of the addressee for notice. Each Party shall promptly inform the other of any changes for notice. All correspondence shall reference the Project Number.

6) Project Due Dates: If any Project act or task must be performed by a specific deadline or date, which day falls on a Saturday or holiday (which includes Sunday), that act or task may be performed by the next business day, except where otherwise noted in Special Conditions, Attachment A.

7) Breach and Termination:

A. Voluntary. Either Party may terminate this Agreement by giving written notice to the other Party. The notice of termination shall specify the effective date of termination. The terminating party shall provide notice that is a minimum of forty-five (45) calendar days from the mailing date of the notice. However, if any payments are due to either party, this Agreement may not be terminated earlier than the date that all parties have received all payments they are due under this Agreement. In this circumstance, each party shall notify the other party of having received all payments due and the date of receipt. The notice of the termination shall be delivered as provided for in Section IV.5.

If the Project Sponsor terminates this Agreement, the Project Sponsor shall not be entitled to the full amount of the TFCA Funds Awarded. The Air District will calculate the amount of funds to which the Project Sponsor is entitled, based on the Air District's determination of what funds are Eligible Costs and the formula set forth in Attachment B, Section 3. If the Air District has paid the Project Sponsor more than the amount of funds to which the Project Sponsor is entitled, the Project Sponsor shall reimburse any funds owed to the Air District prior to the effective date of termination, which may include all or a portion of the TFCA funds that Project Sponsor has already received but is not entitled to retain.

If the Air District terminates this Agreement pursuant to this provision, any costs incurred on the Project following the effective date of termination shall be ineligible for reimbursement of TFCA funds, except costs for any work that the Air District has specified in the notice of termination that the Project Sponsor may continue to perform for the specified period of time. The Air District will reimburse Project Sponsor for all Eligible Costs that were expended prior to the date specified in the notice of termination based on the formula set forth in Attachment B.

The Agreement cannot be terminated unless all payments have been fully made.

B. Breach. In the case of Project Sponsor's breach of this Agreement, the Air District will deliver a written notice of breach. The notice will specify the nature of the breach and will direct the Project Sponsor to cease all work immediately upon receipt of the notice, except as specifically provided for in the notice. At its discretion, the Air District may allow the Project Sponsor to cure the breach; in that instance, the notice of breach will specify the date by which such breach must be cured ("Cure Period"). As one of its remedies, the Air District may terminate this Agreement. In that event, the notice of breach will specify the date of termination, which shall be no less than thirty (30) calendar days from the date of mailing of such notice of breach.

The notice of breach will also notify the Project Sponsor that the Project Sponsor may not be entitled to the full amount of the TFCA Funds Awarded. The notice will specify the amount of the TFCA Funds Awarded; the amount of funds the Air District has paid to date, if any; and that some or all of the TFCA Funds Awarded may be subject to reimbursement to, or withholding by, the Air District. In no event shall

the Agreement terminate prior to the Project Sponsor's reimbursement of any funds owed to the Air District.

8) Additional Provisions and Additional Acts and Documents: Each Party agrees to do all such things and take all such actions, and to make, execute and deliver such other documents that are reasonably required to carry out the provisions, intent and purpose of this Agreement. All attachments to this Agreement are expressly incorporated herein by this reference and made a part hereof as though fully set forth.

9) Indemnification: The Project Sponsor shall indemnify and hold the Air District, its officers, employees, agents, and successors-in-interest harmless from and against any and all liability, loss, expense, including reasonable attorneys' fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorneys' fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of the Project Sponsor, its officers, agents, or employees. The Project Sponsor shall require any third party who owns, operates, controls, or implements any portion of the Project to indemnify and hold the Air District, its officers, employees, agents, and successors-in-interest harmless from and against any and all liability, loss, expense, including reasonable attorneys' fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorneys' fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of the third party, its officers, agents, or employees.

10) Independent Contractor: Neither the Project Sponsor nor its officers, employees, agents, or representatives shall be considered employees or agents of the Air District. This Section does not apply to elected officials serving concurrently on the governing boards of both the Project Sponsor and the Air District.

11) Assignment: Neither Party shall assign, sell, license, or otherwise transfer any rights or obligations under this Agreement to a third party without the prior written consent of the other Party. All of the terms, provisions and conditions of this Agreement will be binding upon and inure to the benefit of the Parties and their respective successors, assigns and legal representatives.

12) Waiver: No waiver of a breach, of failure of any condition, or of any right or remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the Party waiving the breach, failure, right or remedy. No waiver of any breach, failure, right or remedy shall be deemed a waiver of any other breach, nor shall any waiver constitute a continuing waiver unless the writing so specifies. Further, the failure of a Party to enforce performance by the other Party of any term, covenant, or condition of this Agreement, and the failure of a Party to exercise any rights or remedies hereunder, shall not be deemed a waiver or relinquishment by that Party to enforce future performance of any such terms, covenants, or conditions, or to exercise any future rights or remedies.

13) Severability: If a court of competent jurisdiction holds any provision of this Agreement to be illegal, unenforceable or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of them, will not be affected.

14) Force Majeure: Neither the Air District nor the Project Sponsor shall be liable for, or deemed to be in default for, any delay or failure in performance under this Agreement or interruption of services resulting, directly or indirectly, from acts of God, enemy or hostile governmental action, civil commotion, strikes, lockouts, labor disputes, fire or other casualty, judicial orders, governmental controls, regulations or restrictions, inability to obtain labor or materials or reasonable substitutes for labor or materials necessary for performance of the Project, or other causes, except financial, that are beyond the reasonable control of the Air District or the Project Sponsor, for a period of time equal to the period of such force majeure event, provided that the Party failing to perform notifies the other Party within fifteen (15) calendar days of discovery of the force majeure event, and provided further that that Party takes all reasonable action to mitigate the damages resulting from the failure to perform. Notwithstanding the above, if the cause of the force majeure event is due to a Party's own action or inaction, then such cause shall not excuse that Party from performance under this Agreement.

15) Governing Law: Any dispute that arises under or relates to this Agreement shall be governed by California law, excluding any laws that direct the application of another jurisdiction's laws. Venue for resolution of any dispute that arises under or relates to this Agreement, including mediation, shall be San Francisco, California.

16) Public Entities - Conflict of Interest: The Project Sponsor warrants and represents that its public officials, including its officers and employees in their official capacity, presently have no interest and agrees that its public officials, including its officers and employees in their official capacity, will not acquire any interest which would represent a conflict of interest under California Government Code sections 1090 et seq. and 87100 et seq. during the performance of this Agreement.

17) Integration: This Agreement, including all attachments hereto, represents the final, complete, and exclusive statement of the agreement between the Air District and the Project Sponsor related to the Parties' rights and obligations and subject matter described in this Agreement, and supersedes all prior and other contemporaneous understandings and agreements of the parties. No Party has been induced to enter into this Agreement by, nor is any Party relying upon, any representation or warranty outside those expressly set forth herein.

18) Survival of Terms: Any terms of this Agreement that by their nature extend beyond the term (or termination) of this Agreement shall remain in effect until fulfilled, and shall apply to both Parties' respective successors and assigns. Such terms include the requirements set forth in Sections IV.9 and II.5.

19) Each of the undersigned expressly affirms that he or she is authorized to execute this Agreement on behalf of the Party whom he or she represents.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement by their duly authorized officers.

SIGNATURES:

by: _____
Jack P. Broadbent
APCO/Executive Officer
Bay Area Air Quality Management District

Date: _____

Approved as to legal form:

by: _____
Brian C. Bunger
District Counsel
Bay Area Air Quality Management District

by: _____
Steve McHarris
Interim City Manager
City of Milpitas

Date: _____

Approved as to legal form (optional):

by: _____

Legal Counsel

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ATTACHMENT A
PROJECT INFORMATION

(Note: The section numbers shown in parentheses below refer to sections in the Agreement.)

1. **Project Number (Section IV.5):** 19EV063
2. **Project Sponsor:** City of Milpitas
3. **Project Title:** City of Milpitas' Electric Vehicle Charging Station Project.
4. **Project Description:** Project Sponsor shall install and operate 8 dual-port level 2 (high) charging stations at two workplace facilities in Milpitas.
5. **Project Goal:** The goal of this Project is to reduce motor vehicle emissions by providing electric vehicle charging stations, thereby reducing motor vehicle emissions.
6. **Usage Requirement:** The charger(s) listed in Table 1 shall dispense an aggregate total of 158,400 kWh of electricity during the Project Operational Period.
7. **Project Operational Period:** Three (3) years from the date all of the charging stations have been placed into public service.
8. **Project Schedule**:

Milestone	**Date**
Project Starts	Effective Date of Agreement
All funded equipment installed and placed into service, start of the Project Operational Period	By November 1, 2020
End of Project Operational Period	By November 1, 2023

9. **Special Conditions (Sections II.1, II.4, II.8, IV.3**):

   A. Project Sponsor shall maintain the charging stations properly and guarantee that the stations are accessible and serviceable for at least 90 percent of the calendar days during each calendar year.

   B. Project Sponsor shall use only State of California-licensed engineers and contractors to perform the Project work.

   C. Charging stations shall be accessible for use during regular business hours for 250 days per year.

   D. Charging Stations that are:

      i. Installed at a stationary location shall be connected to the electrical grid;

      ii. Installed on a mobile platform shall remain on, and be operated and maintained at, the approved Facility Location specified in Attachment A, Table 1.

   E. Project Sponsor shall site, construct, install, maintain, and operate any services, equipment, or infrastructure paid for with TFCA Program funds in accordance with the respective manufacturer's specifications, all applicable state, federal and local laws and regulations including compliance with all applicable requirements of the Americans with Disabilities Act (ADA).

   F. Project Sponsor shall allow the Air District, and its authorized representatives, to collect and share usage information about the Project.

   G. Project Sponsor shall provide all of the information necessary about the funded charging stations to the US Department of Energy in order for the stations to be listed on their Alternative Fuel Data Center within 30 days but no later than 90 days from the date the charging stations are placed into service. The Air District will not pay invoices until the listing for each funded station has been verified.

H. For Projects that receive funding from another source (e.g., California Energy Commission, NRG, PG&E), Project Sponsor is required to provide documentation along with invoice that adequately demonstrates the charging station(s) installed as part of this Project will result in surplus emission reductions that are beyond what is required by regulations, settlement, local ordinances, and other legally binding obligations.

I. Project Sponsor is required to acknowledge the Air District as a Project funding source during the Project Operational Period. Examples of documentation and material acknowledgement may include the following: photographs of equipment operated as part of the Project with Air District logos attached; documentation of use of the logo on the Project Sponsor's website, promotional materials, and on brochures, handbooks, and maps that promote or inform the public about the Project services; and copies of press releases and newsletter articles related to the Project (Section II.8).

ATTACHMENT A

TABLE 1: APPROVED FACILITY LOCATION(S) AND EQUIPMENT TO BE INSTALLED

Facility ID: 19EV063_F01
Facility Address: 455 E. Calaveras Blvd. Milpitas, CA 95035
Facility Type: Workplace

Equipment to be Installed:

Qty	Description	Max TFCA Award	Usage Requirement
6	Dual-port Level 2 (high) ChargePoint CPF25 Series (Each port capable of an output rating of 6.6+ kW)	$24,000 ($4,000 each)	118,800 kWh (19,800 kWh each)
	Facility Total:	**$24,000**	**118,800 kWh**

Facility ID: 19EV063_F02
Facility Address: 1265 N. Milpitas Blvd. Milpitas, CA 95035
Facility Type: Workplace

Equipment to be Installed:

Qty	Description	Max TFCA Award	Usage Requirement
2	Dual-port Level 2 (high) ChargePoint CPF25 Series (Each port capable of an output rating of 6.6+ kW)	$8,000 ($4,000 each)	39,600 kWh (19,800 kWh each)
	Facility Total:	**$8,000**	**39,600 kWh**

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ATTACHMENT B
PROJECT BUDGET AND PAYMENT PROCESS

(Note: The section numbers shown in parentheses below refer to sections in the Agreement.)

1. **Total Project Cost (Section II.2):** $150,144

   The Total Project Cost is the sum of the Eligible Costs that are listed in Section 4 of Attachment B.

2. **Matching Funds (Sections II.2, 3):** The Project Sponsor is responsible for all project costs that are not covered by the TFCA Funds Awarded.

3. **TFCA Funds Awarded (Sections II.2, II.11, III.1, IV.7):** The Air District will provide TFCA Program funds for this Project in an amount not to exceed $32,000 or 75% of the actual total project cost, whichever is lower. If the Project Sponsor modifies or reduces the scope of the project, the Air District will recalculate the TFCA Funds Awarded based on the Base Funding and Plus-Up funding as described in the "*Application Guidance for Charge! Grant Program for FYE 2019",* dated October 25, 2018, not to exceed a maximum of 75% of the actual total cost for the project:

   Attachment A, Table 1 shows how TFCA Funds Awarded are distributed to the project.

   The Air District shall cancel this Agreement if the Project is implemented in any way such that the TFCA Funds Awarded is reduced to below $10,000.

   If this Agreement is terminated pursuant to Section IV.7 of this Agreement, the Air District will calculate the final TFCA Funds Awarded, which is the amount of funds to which the Project Sponsor is entitled, by multiplying the amount of TFCA Funds Awarded by the ratio of the actual usage requirement completed, which is the total energy delivered by the project equipment in kWh at the time of the effective date of termination, to the required usage requirement in kWh for the Project Operational Period:

$$Final\ TFCA\ Funds\ Awarded = TFCA\ Funds\ Awarded \times \left(\frac{actual\ energy\ in\ kWh\ delivered}{the\ required\ usage\ requirement\ in\ kWh\ for\ the\ Project\ Operation\ Period}\right)$$

4. **Eligible Costs:** Eligible Costs may only be incurred on or after the Effective Date of this Agreement and prior to the date all funded equipment is installed and placed into service, and must be directly and solely related to the implementation (site preparation, installation and construction) of the Project.

   For the purposes of determining eligibility of Project costs, the date for equipment costs incurred shall be the date the Project Sponsor submits a signed purchase order or other document that commits the order, and for direct labor costs incurred shall be the date such services were rendered.

   Eligible Costs include:

   A. Costs for the purchase of equipment and material(s) (i.e., charging station hardware, electrical panels, transformers and other materials) including tax, and shipping fees;
   B. Equipment rental costs (i.e., dump truck, concrete road paver, and other equipment) including tax, and shipping fees;
   C. Documented labor charges (salaries, wages, and benefits);
   D. Contractor labor charges; and
   E. Permit fees.

   Costs that are not included in the list above are not Eligible Costs, for example:

   A. Costs related to maintenance, repairs, rehabilitation, or upgrades;
   B. Costs related to any other work performed or equipment purchased that is not required for the Project.

C. Operating costs (e.g., salaries after the Project is open for public use, ongoing training/support, advertising, and rent/leases);

D. Planning activities or feasibility studies; and

E. Indirect and administrative costs.

5. **Invoice and Payment Schedule (Section III.2):** The Project Sponsor shall submit a single invoice (Final Invoice) along with the Expenditure Report as specified in Attachment C.

The Final Invoice shall be prepared on the Air District's General Invoice Form and shall include:

A. The Project Number;

B. An itemized list of all expenses incurred by the Project Sponsor, specifying which are Eligible Costs and dates labor was performed and equipment was purchased;

C. The total funds being requested;

D. Supporting documentation of Project Sponsor's payments made for goods and services incurred, such as copies of receipts for services paid; invoices from vendors, consultants, or contractors, with an explanation of the goods or services provided for the Project; and time sheets documenting hourly labor costs incurred.

The Air District will not process any invoice until all current Project obligations are fulfilled.

The Air District shall retain fifteen percent (15%) of the final TFCA Funds Awarded until the project has fulfilled its usage and operational requirements and the Final Report has been received and approved by the Air District.

ATTACHMENT C
MONITORING OF PROJECT PERFORMANCE

(Note: The section numbers shown in parentheses below refer to sections in the Funding Agreement.)

1. **Semi-annual Reports (Section II.6):** The Project Sponsor shall submit Semi-annual Reports to the Air District summarizing Project progress. Semi-annual Reports shall be prepared on the Air District's Semi-annual Report form.

   Due Dates: Beginning sixty (60) calendar days after the Effective Date, every April 15 and October 15 until the Expenditure Report has been submitted.

2. **Expenditure Report (Sections II.6, II.8):** The Project Sponsor shall submit Expenditure Report to the Air District. Expenditure Report shall be prepared on the Air District's Expenditure Report form.

   Due Date: By January 1, 2021 and following the start of the Project Operational Period.

   The Expenditure Report shall include the following information:

   A. A table that shows the address of each approved Facility and the following information for each of the TFCA-funded chargers by Facility: date construction was completed; date charger was placed into service; dates and time charger is open for use by the public (e.g., employees, residents); and the pricing structure ($ per kWh, flat fee per use, etc.).
   B. A discussion of any pertinent issues or problems experienced with the project to date.
   C. Documentation that the Project Sponsor has acknowledged the Air District as a Project funding source, such as photographs of the charging station(s) with Air District logos attached; documentation of use of the Air District's logo on promotional materials, brochures, handbooks, and maps that promote or inform the public about the Project services; and copies of press releases and newsletter articles related to the Project (Section II.8).
   D. A statement confirming that information about the funded stations have submitted and are listed on the US Department of Energy's Alternative Fuel Data Center.

3. **Annual Reports (Sections II.6):** Annual Reports shall be prepared on the Air District's Annual Report form.

   Due Dates: By March 1, 2021, March 1, 2022 and March 1, 2023

   Each Annual Report shall cover a 12 month period (from January 1 to December 31) and include the following information for each charger (the first and last report may cover a shorter or longer period):

   A. For each month, the amount of electricity in kWh dispensed
   B. A discussion of any pertinent issues or problems that arose during the charging station(s)'s operation (e.g., repairs, downtime).
   C. A discussion of any work that has been performed to the Station(s) (e.g., maintenance, repair), as well as any expansion or upgrade plans.
   D. The actual number of days that each charger was operating.
   E. The pricing structure (per kWh, flat fee per use) on a charger basis.

4. **Final Report (Sections II.6):** The Project Sponsor shall submit the Final Report to the Air District. The Final Report shall be prepared on the Air District's Final Report form and shall include the same information listed above under Annual Reports and must be received by the Air District by January 30, 2024 and following the end of the Project Operational Period.

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ATTACHMENT D
INSURANCE REQUIREMENTS

Verification of Coverage

Project Sponsor shall provide, and require any sub-awardee to provide, the Air District certificates and/or other evidence of the insurance coverage required below. The Air District reserves the right to require Project Sponsor to provide complete, certified copies of any insurance offered in compliance with these specifications. Certificates, policies and other evidence provided shall specify that the Air District shall receive thirty (30) calendar days advanced notice of cancellation from the insurers.

The Project Sponsor may submit evidence that listed insurance is not required for the Project.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A: VII. The Air District may, at its sole discretion, waive or alter this requirement or accept self-insurance in lieu of any required policy of insurance.

Minimum Scope of Insurance

Throughout the Project Operational Period, Project Sponsor shall obtain and maintain in full force and effect the insurance as set forth below, and shall require any third party to obtain and maintain in full force and effect the insurance as set forth below. Project Sponsor must initial next to each checked insurance requirement to confirm understanding and Agreement with the applicable Project insurance requirements:

Required if marked

1. **Liability Insurance**

[X] ____ Initial — Corporations/Private and Public Entities - a limit of not less than $1,000,000 per occurrence. Such insurance shall be of the type usual and customary to the business of the Project Sponsor, and to the operation of the vehicles, engines or equipment operated by the Project Sponsor.

[ ] ____ Initial — Single Vehicle Owners - a limit of not less than $750,000 per occurrence. Such insurance shall be of the type usual and customary to the business of the Project Sponsor, and to the operation of the vehicles, engines or equipment operated by the Project Sponsor.

2. **Property Insurance**

[X] ____ Initial — Repower and New Vehicle/Equipment Purchase - in an amount of not less than the insurable value of Project Sponsor's vehicles, engines or equipment funded under the Agreement of which this Attachment is a part, and covering all risks of loss, damage or destruction of such vehicles, engines or equipment.

[ ] ____ Initial — Property Insurance for Retrofit Projects – for all 2003 model year or newer vehicles in an amount of not less than the insurable value of Project Sponsor's vehicles, covering all risks of loss, damage or destruction of such vehicles, engines or equipment.

3. **Workers Compensation Insurance**.

[X] ____ Initial — Workers Compensation Insurance - as required by California law and employers' liability insurance with a limit not less than $1 million.

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CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Approve and Authorize the Interim City Manager to execute Amendment No. 1 to the Professional Services Agreement with David J. Powers & Associates for the Well Upgrade, McCandless Well, Project No. 7076 and the Lower Penitencia Creek Pedestrian Bridge, Project No. 2005**
Category:	Consent Calendar-Community Services and Sustainable Infrastructure
Meeting Date:	11/5/2019
Staff Contact:	Steve Erickson, 408-586-3301
Recommendation:	Approve and Authorize the Interim City Manager to execute Amendment No. 1 to the Professional Services Agreement with David J. Powers & Associates related to CIP Projects No. 7076 and 2005 to increase compensation by $55,000, for a total agreement in the amount of $123,843.

Background:
The Well Upgrade, Project No. 7076 (McCandless Well) and the Lower Penitencia Creek Pedestrian Bridge Project, Project No. 2005 are in the approved 2019-2024 Capital Improvement Program. The McCandless Well project provides for the design and construction of a new potable water well within McCandless Park to provide an everyday source of potable water supply serving the Milpitas Transit Area Specific Plan (TASP) area and installation of a pedestrian bridge structure to be located within McCandless Park, and would span the creek to provide a connection from the Centre Pointe residential subdivision to the park. Both projects are in the design phase, and construction of the well is on a critical path and is estimated to start early 2020.

On May 1, 2018, the City entered into a professional services agreement with David J. Powers & Associates in the amount of $68,843 to provide project environmental review and California Environmental Quality Act (CEQA) clearance for the McCandless Well, park, and the Pedestrian Bridge Projects. An Initial Study (IS) was completed in July 2019, and identified the need for additional work including a hazardous materials risk assessment, and preconstruction surveys, contractor training, and compliance reporting for protected animal species that may be located on site such as the Burrowing Owl and the Western Pond Turtle.

Analysis:
Staff is currently completing the design for the next phase of McCandless well project and anticipates presenting the plans, CEQA documentation, and the construction bid proposals to the City Council for approval in early 2020. Staff has negotiated a scope and fee for the additional CEQA risk assessment, training, compliance reporting, and protected species preconstruction survey work for an amount not to exceed $55,000, which is considered reasonable for the work involved. Staff recommends the approval of Amendment 1 to the contract with David J. Powers to complete this additional work to allow construction of the projects to proceed on schedule. **(Attachment 1)**

Policy Alternative:

Alternative: Not authorize the approval and execution of Amendment No. 1 to complete the required additional work including the protected species preconstruction surveys and compliance reporting.

Pros: none

Cons: The project CEQA clearance identified several requirements that must be legally completed prior to starting construction. Not proceeding with Amendment 1 would require that staff delay the project.

Reason for not Recommending: The McCandless well project will provide a source of potable water to the TASP area and it is considered a critical project. On October 15, 2019, the City Council authorized the purchase of municipal bonds to fund the construction of this well facility, and the City will need to use this funding within the next three years. To avoid delays to the completion of the well projects, staff recommends the approval of Amendment 1 and proceeding with the required work.

Fiscal Impact:
There is sufficient funding available in the project budget for the approval of an Amendment No. 1 with David J. Powers & Associates. As of September 30, 2019, the available funding/uncommitted balance for the project is $7,996,052.

California Environmental Quality Act: This Project has a completed Initial Study to support an Addendum to the Transit Area Specific Plan Environmental Impact Report (Addendum). Staff will present the McCandless well plans, CEQA Initial Study, and the construction bid proposals to the City Council for approval in early 2020.

Recommendation:
Approve and authorize the Interim City Manager to execute Amendment No. 1 to the Professional Services Agreement with David J. Powers & Associates to increase compensation by $55,000, for a total agreement in the amount of $123,843.

Attachments:
a) Signed Agreement with David J. Powers & Associates
b) Amendment No. 1 to Agreement with David J. Powers & Associates

Project No's.: 7076 and 2005
Project Name: Well Upgrade, McCandless Well
Lower Penitencia Creek Pedestrian Bridge

CITY OF MILPITAS
PROFESSIONAL SERVICES AGREEMENT

This Agreement is made and entered into as of May 1, 2018 by and between the City of Milpitas, a municipal corporation organized and operating under the laws of the State of California with its principal place of business at 455 E. Calaveras Boulevard, Milpitas, California 95035 ("City"), and David J. Powers & Associates, Inc., a corporation with its principal place of business at 1871 The Alameda, Suite 200, San Jose, California 95126 (hereinafter referred to as "Consultant"). City and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement.

RECITALS

A. City is a public agency of the State of California and is in need of professional services for the following projects:

Well Upgrade Project, McCandless Well, Project No. 7076 and the Lower Penitencia Creek Pedestrian Bridge Project, Project No. 2005 (hereinafter referred to as "the Project").

B. Consultant is duly licensed and has the necessary qualifications to provide such services.

C. The Parties desire by this Agreement to establish the terms for City to retain Consultant to provide the services described herein.

AGREEMENT

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

1. Services.

Consultant shall provide the City with the services described in the Scope of Services attached hereto as Exhibit "A."

2. Compensation.

a. Subject to paragraph 2(b) below, the City shall pay for such services in accordance with the Schedule of Charges set forth in Exhibit "B."

b. In no event shall the total amount paid for services rendered by Consultant under this Agreement exceed the sum of $68,843.00. This amount is to cover all printing and related costs, and the City will not pay any additional fees for printing expenses. Periodic payments shall be made within 30 days of receipt of an invoice which includes a detailed description of the work performed. Payments to Consultant for work performed will be made on a monthly billing basis. Ten (10) percent shall be retained by the City from each Agreement billing until the completion of the Agreement unless authorized differently by City.

3. Additional Work.

If changes in the work seem merited by Consultant or the City, and informal consultations with the other party indicate that a change is warranted, it shall be processed in the following manner: a letter outlining the changes shall be forwarded to the City by Consultant with a statement of estimated changes in fee or time schedule. An amendment to this Agreement shall be prepared by the City and executed by both Parties before performance of such services, or the City will not be required to pay for the changes in the scope of work. Such amendment shall not render ineffective or invalidate unaffected portions of this Agreement.

4. Maintenance of Records.

Books, documents, papers, accounting records, and other evidence pertaining to costs incurred shall be maintained by Consultant and made available at all reasonable times during the contract period and for four (4) years from the date of final payment under the contract for inspection by City.

5. Time of Performance.

Consultant shall perform its services in a prompt and timely manner and shall commence performance upon receipt of written notice from the City to proceed ("Notice to Proceed"). Consultant shall complete the services required as set forth in Exhibit C. The Notice to Proceed shall set forth the date of commencement of work.

6. Delays in Performance.

a. Neither City nor Consultant shall be considered in default of this Agreement for delays in performance caused by circumstances beyond the reasonable control of the non-performing party. For purposes of this Agreement, such circumstances include but are not limited to, abnormal weather conditions; floods; earthquakes; fire; epidemics; war; riots and other civil disturbances; strikes, lockouts, work slowdowns, and other labor disturbances; sabotage or judicial restraint.

b. Should such circumstances occur, the non-performing party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of this Agreement.

7. Compliance with Law.

a. Consultant shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local government, including Cal/OSHA requirements.

b. If required, Consultant shall assist the City, as requested, in obtaining and maintaining all permits required of Consultant by federal, state and local regulatory agencies.

c. If applicable, Consultant is responsible for all costs of clean up and/ or removal of hazardous and toxic substances spilled as a result of his or her services or operations performed under this Agreement.

8. Standard of Care

Consultant's services will be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions.

9. Assignment and Subconsultant

Consultant shall not assign, sublet, or transfer this Agreement or any rights under or interest in this Agreement without the written consent of the City, which may be withheld for any reason. Any attempt to so assign or so transfer without such consent shall be void and without legal effect and shall constitute grounds for termination. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement. Nothing contained herein shall prevent Consultant from employing independent associates, and subconsultants as Consultant may deem appropriate to assist in the performance of services hereunder.

10. Independent Consultant

Consultant is retained as an independent contractor and is not an employee of City. No employee or agent of Consultant shall become an employee of City. The work to be performed shall be in accordance with the work described in this Agreement, subject to such directions and amendments from City as herein provided.

11. Insurance. Consultant shall not commence work for the City until it has provided evidence satisfactory to the City it has secured all insurance required under Exhibit "D" (Insurance Requirements), attached hereto and incorporated herein by this reference. In addition, Consultant shall not allow any subcontractor to commence work on any subcontract until it has secured all insurance required therein.

12. Indemnification.

a. To the fullest extent permitted by law, Consultant shall defend (with counsel of City's choosing), indemnify and hold the City, its officials, officers, employees, volunteers, and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, in any manner arising out of, pertaining to, or incident to any acts, errors or omissions, or willful misconduct of Consultant, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Consultant's services, the Project or this Agreement, including without limitation the payment of all damages, expert witness fees and attorney's fees and other related costs and expenses. Consultant's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by Consultant, the City, its officials, officers, employees, agents, or volunteers.

b. Additional Indemnity Obligations. If Consultant's obligation to defend, indemnify, and/or hold harmless arises out of Consultant's performance of "design professional" services (as that term is defined under Civil Code section 2782.8), then, and only to the extent required by Civil Code section 2782.8, which is fully incorporated herein, Consultant's indemnification obligation shall be limited to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, and, upon Consultant obtaining a final adjudication by a court of competent jurisdiction, Consultant's liability for such claim, including the cost to defend, shall not exceed the Consultant's proportionate percentage of fault.

13. California Labor Code Requirements.

a. Consultant is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq., which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. If the services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the total compensation is $1,000 or more, Consultant agrees to fully comply with such Prevailing Wage Laws, if applicable. Consultant shall defend, indemnify and hold the City, its officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. It shall be mandatory upon the Consultant and all subconsultants to comply with all California Labor Code provisions, which include but are not limited to prevailing wages (Labor Code Sections 1771, 1774 and 1775), employment of apprentices (Labor Code Section 1777.5), certified payroll records (Labor Code Section 1776), hours of labor (Labor Code Sections 1813 and 1815) and debarment of contractors and subcontractors (Labor Code Sections 1777.1).

b. If the services are being performed as part of an applicable "public works" or "maintenance" project, then pursuant to Labor Code Sections 1725.5 and 1771.1, the Consultant and all subconsultants performing such Services must be registered with the Department of Industrial Relations. Consultant shall maintain registration for the duration of the Project and require the same of any subconsultants, as applicable. This Project may also be subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be Consultant's sole responsibility to comply with all applicable registration and labor compliance requirements.

14. Verification of Employment Eligibility.

By executing this Agreement, Consultant verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time, and shall require all subconsultants and sub-subconsultants to comply with the same.

15. Laws and Venue.

This Agreement shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of this Agreement, the action shall be brought in a state or federal court situated in the County of Santa Clara, State of California.

16 Termination or Abandonment

a. City has the right to terminate or abandon any portion or all of the work under this Agreement by giving ten (10) calendar days written notice to Consultant. In such event, City shall be immediately given title and possession to all original field notes, drawings and specifications, written reports and other documents produced or developed for that portion of the work completed and/or being abandoned. City shall pay Consultant the reasonable value of services rendered for any portion of the work completed prior to termination. If said termination occurs prior to completion of any task for the Project for which a payment request has not been received, the charge for services performed during such task shall be the reasonable value of such services, based on an amount mutually agreed to by City and Consultant of the portion of such task completed but not paid prior to said termination. City shall not be liable for any costs other than the charges or portions thereof which are specified herein. Consultant shall not be

entitled to payment for unperformed services, and shall not be entitled to damages or compensation for termination of work.

b. Consultant may terminate its obligation to provide further services under this Agreement upon thirty (30) calendar days' written notice to City only in the event of substantial failure by City to perform in accordance with the terms of this Agreement through no fault of Consultant.

17 Documents. Except as otherwise provided in "Termination or Abandonment," above, all original field notes, written reports, Drawings and Specifications and other documents, produced or developed for the Project shall, upon payment in full for the services described in this Agreement, be furnished to and become the property of the City.

18. Organization

Consultant shall assign Demetri Loukas as Project Manager. The Project Manager shall not be removed from the Project or reassigned without the prior written consent of the City.

19. Limitation of Agreement.

This Agreement is limited to and includes only the work included in the Project described above.

20. Notice

Any notice or instrument required to be given or delivered by this Agreement may be given or delivered by depositing the same in any United States Post Office, certified mail, return receipt requested, postage prepaid, addressed to:

CITY:	CONSULTANT:
City of Milpitas	David J. Powers & Associates
455 E. Calaveras Boulevard	1871 The Alameda, Suite 200
Milpitas, California 95035	San Jose, California 95126
Attn: Steve Erickson, Engineering	Demetri Loukas, Principal Project Manager
Engineering Director/City Engineer	

and shall be effective upon receipt thereof.

21. Third Party Rights

Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than the City and the Consultant.

22. Equal Opportunity Employment.

Consultant represents that it is an equal opportunity employer and that it shall not discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, sex, age or other interests protected by the State or Federal Constitutions. Such non-discrimination shall include, but not be limited to, all activities related to

initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

23. Entire Agreement

This Agreement, with its exhibits, represents the entire understanding of City and Consultant as to those matters contained herein, and supersedes and cancels any prior or contemporaneous oral or written understanding, promises or representations with respect to those matters covered hereunder. Each party acknowledges that no representations, inducements, promises or agreements have been made by any person which are not incorporated herein, and that any other agreements shall be void. This Agreement may not be modified or altered except in writing signed by both Parties hereto. This is an integrated Agreement.

24. Severability

The unenforceability, invalidity or illegality of any provision(s) of this Agreement shall not render the provisions unenforceable, invalid or illegal.

25. Successors and Assigns

This Agreement shall be binding upon and shall inure to the benefit of the successors in interest, executors, administrators and assigns of each party to this Agreement. However, Consultant shall not assign or transfer by operation of law or otherwise any or all of its rights, burdens, duties or obligations without the prior written consent of City. Any attempted assignment without such consent shall be invalid and void.

26. Non-Waiver

None of the provisions of this Agreement shall be considered waived by either party, unless such waiver is specifically specified in writing.

27. Time of Essence

Time is of the essence for each and every provision of this Agreement.

28. City's Right to Employ Other Consultants

City reserves its right to employ other consultants, including engineers, in connection with this Project or other projects.

29. Prohibited Interests

Consultant maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure this Agreement. Further, Consultant warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, City shall have the right to rescind this Agreement without liability. For the term of this Agreement, no director, official, officer or employee of City, during the term of his or her service with City, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

[SIGNATURES ON FOLLOWING PAGE]

SIGNATURE PAGE FOR PROFESSIONAL SERVICES AGREEMENT
BETWEEN THE CITY OF MILPITAS
AND DAVID J. POWERS & ASSOCIATES

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first written above.

CITY OF MILPITAS
Approved By:

Julie Edmonds-Mares
City Manager

5/21/18
Date

Approved As To Content:

5/8/18
Steven P. Erickson
Engineering Director / City Engineer

Approved As To Form:

Christopher J. Diaz
City Attorney

Approved As to Form:

05-08-18
Will Fuentes
Director of Financial Services

DAVID J. POWERS & ASSOCIATES

Judy W. Shanley
Signature

Judy Shanley
Name

President
Title

5/2/18
Date

38077.00180\29167975.2

EXHIBIT A

Scope of Services

DAVID J. POWERS & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS & PLANNERS

March 22, 2018

Maren G. Schram, P.E.
City of Milpitas
455 East Calaveras Boulevard
Milpitas, CA 95035

RE: Request for Proposals CEQA Compliance for New Pedestrian Bridge, Park and Water Well

Dear Ms. Schram:

David J. Powers & Associates, Inc. (DJP&A) is pleased to submit this proposal for the preparation of the Initial Study Checklist to support an Addendum to the Milpitas Transit Area Specific Plan Environmental Impact Report for the New Pedestrian Bridge, Park, and Water Well projects.

DJP&A has provided professional consulting services for compliance with the California Environmental Quality Act (CEQA) for many public facilities and infrastructure projects throughout the Bay Area. We are expert at environmental review for public projects including fire and police service facilities, parks and recreational facilities, civic centers, community centers, infrastructure and solid waste, and medical facilities. DJP&A has a reputation for preparing clear, easy to understand documents that are legally defensible and informative to both the Lead Agency and public, strong project management skills and a proven track record of delivering projects in a timely and cost-effective manner. DJP&A is also experienced in successfully coordinating with regulatory agencies and navigating various permit application processes.

Please do not hesitate to contact me should you have any questions regarding this proposal. My contact information is provided below.

Best Regards,

Demetri Loukas

Demetri Loukas, Principal Project Manager
Direct: (408) 454-3422
Email: dloukas@davidjpowers.com

Attachment: Scope of Work

Scope of Services
Milpitas Transit Area Specific Plan:
Pedestrian Bridge, Park and Water Well Projects
Initial Study/Addendum

March 22, 2018

Primary Contact

The primary David J. Powers & Associates, Inc. (DJP&A) contact for this project will be Julie Wright. Ms. Wright's contact information is provided below.

Julie Wright
Direct: (408) 454-3434
Email: jwright@davidjpowers.com

Project Understanding

It is our understanding the City of Milpitas is requesting a proposal for the environmental clearance for three City-initiated projects located within the Milpitas Transit Area Specific Plan.

The first project is the construction of a new pedestrian bridge over Penitencia Creek East Channel. The bridge has been designed to place all footings outside the top of bank of Penitencia Creek. It is assumed the bridge will include minimal security lighting.

The second project is the construction of a new 4.2-acre public park on vacant land. The park will be located immediately south of Penitencia Creek and north of the McCandless Drive Elementary School (currently under construction). The park will include a surface parking lot, community garden plots, playgrounds, picnic areas, basketball courts, athletic play fields with field lighting, a restroom building, a trail connection to the proposed Penitencia Creek pedestrian bridge, an existing 50-foot wide PG&E utility easement, and an access road to the proposed water production well (see discussion below). A joint-use agreement includes 1.2 acres of the city park property and 1.2 acres of the adjacent McCandless Drive Elementary school property that will provide a 2.4-acre joint athletic play field, parking lots and access to the joint property. This area will be used by students when school is in session and be open to the public when school is not in session.

The third project is the construction of a water production well located in the southeast corner of the proposed park site. The well will require a small concrete building, above and below ground utilities connections, chlorination chemical storage, and security and task lighting. The facility also includes an access through the park (as mentioned above). Backup power (generator) requirements will be temporarily transported onto the site on an emergency basis only.

Scope of Services

DJP&A will prepare an Initial Study to support an Addendum to the Transit Area Specific Plan for the Pedestrian Bridge, Park and Water Well Projects. The Initial Study/Addendum will meet the requirements of CEQA and the City of Milpitas. Per Sections 15162 and 15164 of the CEQA Guidelines, the Initial Study/Addendum will demonstrate that the proposed project would not result in new or greater impacts than those identified in the Milpitas Transit Area Specific Plan Environmental Impact Report.[1] Our scope includes preparation of the Initial Study/Addendum, meeting attendance, project management, and contract administration, as described below.

Preparation of the Initial Study Checklist to support an Addendum

Project Description

The Initial Study/Addendum will include a detailed description of the proposed project, including maps and graphics to illustrate the text. The project description will be based on project information to be provided by the City. A preliminary list of project information to be provided by the City is included on page 9 of this scope of work. DJP&A will draft the project description and provide it to the City to review for accuracy.

Consistency with Plans and Policies

In relevant sections of the Initial Study, a discussion of the proposed project's consistency with the Transit Area Specific Plan, City's General Plan, City Code, and other applicable plans and policies will be included. As required by CEQA and the CEQA Guidelines, particular attention will be given to inconsistencies, if any are identified.

Environmental Setting, CEQA Checklist, and Mitigations

The Initial Study will be divided into subsections for each environmental resource. The subsections will be formatted to include a description of the existing environmental setting followed by the relevant CEQA checklist section and a discussion of project impacts. The sources of information for determining impacts will be identified. Mitigation measures will be identified to reduce significant impacts as appropriate.

[1] If it is determined that the proposed project would result in a new or substantially greater impact than previously identified in the MTASP EIR, an Initial Study/Mitigated Negative Declaration could be prepared and circulated under a separate scope of work.

Based upon our current understanding of the project, we anticipate the key environmental issues for the project will include the following resources:

- Air Quality (construction)
- Biology
- Cultural Resources
- Noise

Air Quality

Each project component includes separate construction phases. In total, construction of the proposed project could take up to two years to complete. The project is near sensitive receptors (e.g., residences and McCandless Drive Elementary School); thus a community risk assessment is proposed. A construction risk assessment, to be prepared by Illingworth & Rodkin, Inc., as a subconsultant to DJP&A, is included in this scope.

The cancer risks associated with modeled construction-period diesel particulate matter concentrations will be computed following the Bay Area Air Quality Management District (BAAQMD) risk management policy guidance. Mitigation measures that represent "Best Management Practices" to control dust or particulate matter emissions will be identified.

The proposed project size is below the BAAQMD operational criteria pollutant screening level for city parks. Therefore, operational criteria pollutants, such as ROG, NOX and particulate matter, will be addressed qualitatively. Roadside carbon monoxide concentrations will be assessed qualitatively using screening methods acceptable to BAAQMD.

An emergency back-up generator will not be located at the water production well site; therefore, there will be no stationary sources of Toxic Air Contaminants (TAC) on the site.

Biology

A wildlife and plant ecologist, HT Harvey & Associates, as a subconsultant to DJP&A, will assess the three sites for biological resources and potentially significant impacts under CEQA. Because the area for the park and water supply well was formerly ruderal habitat currently being used for construction staging, there is some potential for this area to provide suitable habitat for the rare Congdon's tarplant and/or burrowing owl. The bridge has been designed to place all footings outside the top of bank of the Penitencia Creek East Channel, but based on review of aerial photographs, there is some potential for wetlands to be shaded by the bridge deck. HT Harvey & Associates will evaluate the sites for these and any other potentially sensitive biological resources and will prepare a memo report detailing potential impacts and, where applicable, likely mitigation measures under CEQA to minimize and mitigate these impacts to a less than significant level.

This scope includes time for a wildlife biologist to visit the site twice, once for the initial site visit, which will include a focused survey for burrowing owl within areas providing suitable habitat, and a second, follow-up site visit specifically for burrowing owl to complete a definitive presence/absence survey for the species. This scope also includes time for a plant ecologist to complete a blooming period survey for Congdon's tarplant, which may be necessary to confirm the plant is not present within the areas affected by the proposed project.

Cultural Resources

The Initial Study will discuss the potential for cultural resources to be present on the site. This discussion will be based on the results of a records search to be completed at the Northwest Information Center of the California Historical Resources Information System (CHRIS) and a field survey. The records search and field survey will be completed by Holman & Associates, as a subconsultant to DJP&A. The Initial Study will identify any significant impacts to cultural resources and mitigation measures, as needed, to reduce those impacts to a less than significant level.

Holman & Associates will also provide assistance to comply with Native American consultation following AB 52 standards, including initiating consultation by contacting the Native American Heritage Commission and sending letters to all those on their contact list.

Noise

Active recreation areas at the proposed park site, including use of the lit athletic at night, would be a new source of community noise. Other potential noise sources include parking areas and increased traffic along roadways serving the site. Illingworth & Rodkin, Inc., a DJP&A subconsultant, will complete noise measurements at the project site to document noise from daily operations, and at additional locations, as necessary, to adequately quantify variations in the noise environment at adjacent receptors. Project-generated noise levels will then be compared to existing ambient noise levels and the guidelines and standards set forth by the City of Milpitas. Mitigation measures for significant noise impacts will be identified, as needed.

Other Potential Environmental Issues

Other environmental issues are identified in the environmental checklist in Appendix G of the CEQA Guidelines. In addition to the key issues described above, the Initial Study will also address the potential for the proposed project to result in aesthetics, agricultural and forestry resources, geology and soils resources, greenhouse gas emissions, hazardous materials, hydrology, land use, mineral resources, population and housing, public services, recreation, and utilities impacts, based upon existing available information and DJP&A's experience on similar projects.

Draft Initial Study/Addendum

Upon completion of the Administrative Draft Initial Study/Addendum, DJP&A will submit up to 5 paper copies of the document to the City for review and comment. DJP&A will then revise the Initial Study/Addendum based on comments received from the City and submit an electronic copy of the Screencheck version to the City for final approval. DJP&A will make any final revisions to the Screencheck Initial Study/Addendum and provide the City with up to five hard copies and a PDF of the document for their records.

Attendance of Meetings

This scope of work includes DJP&A attendance at up to 2 project/community meetings. DJP&A can attend additional public hearings or meetings on a time and materials basis.

Project Management and Contract Administration

DJP&A will provide general project management, contract administration, and coordination with the City and project team throughout the Initial Study/Addendum process. The DJP&A Project Manager will coordinate with the City on a regular basis using email and telephone communications.

EXHIBIT B

Schedule of Charges/Payments

Consultant will invoice City on a monthly cycle in accordance with the cost estimate and charge rate schedule outlined on the following pages. Consultant will include with each invoice a detailed progress report that indicates the amount of budget spent on each task. Consultant will inform City regarding any out-of-scope work being performed by Consultant. This is a time-and-materials contract.

Cost Estimate

Based on our understanding of the project and technical reports required, the cost to prepare the Initial Study/Addendum is estimated not to exceed **$68,843.** Payment will be due on a monthly basis. A breakdown of the cost estimate is provided below. Costs will be charged on a time and materials basis, commensurate with work completed, in accordance with the charge rate schedule outlined on the following page. If DJP&A does not need all the time that has been budgeted, we will only bill for the time actually spent completing the work.

This scope if valid for 90 days and assumes that no issues arise requiring additional technical analysis or documentation. In the event additional technical analysis is required, we can complete that work on a time and materials basis, upon City authorization. Project description changes after notice to proceed is provided may have schedule and budget implications.

David J. Powers & Associates, Inc.	
• Preparation of Initial Study/Addendum	$34,270
• Reimbursables (travel, printing, etc.)*	$1,800
Subconsultants*	
• Holman & Associates (Cultural)	$5,060
• HT Harvey & Associates (Biology)	$12,130
• Illingworth & Rodkin (Air Quality)	$4,370
• Illingworth & Rodkin (Noise)	$11,213
Total:	**$68,843**

* Subconsultant and reimbursable expenses include our standard 15 percent administrative fee.

Charge Rate Schedule[2]

Title	Hourly Rate
Senior Principal	$275
Principal Project Manager	$250
Senior Environmental Specialist	$220
Senior Project Manager	$195
Environmental Specialist	$180
Biologist	$170
Project Manager	$170
Associate Project Manager	$145
Assistant Project Manager	$120
Researcher	$105
Draftsperson/Graphic Artist	$110
Document Processor/Quality Control	$100
Administrative Manager	$100
Office Support	$85

Notes: Materials, outside services, and subconsultants include a 15 percent administration fee. Mileage will be charged per the current IRS standard mileage rate at the time costs occur.

[2] David J. Powers & Associates, Inc. provides regular, clear and accurate invoices as the work on this project proceeds, in accordance with normal company billing procedures. The cost estimate prepared for this project does not include special accounting or bookkeeping procedures, nor does it include preparation of extraordinary or unique statements or invoices. If a special invoice or accounting process is requested, the service can be provided on a time and materials basis. Any fees charged to DJP&A for Client's third-party services related to invoicing, insurance certificate maintenance, or other administrative functions will be billed as a reimbursable expense.

EXHIBIT C

Activity Schedule

Estimated Schedule

DJP&A proposes the following optimum schedule for preparation of the Initial Study/Addendum. DJP&A can commit to maintain the schedule in the areas that are within our control. Completion of the Initial Study/Addendum, as outlined in the schedule below, is based upon receipt of project information listed on the following page in accordance with the schedule. Delays in receiving requested information or responses by others will result in at least day-for-day delays in the overall schedule.

Optimum Initial Study/Addendum Schedule		
Tasks	**Duration of Task**	**Time Elapsed**
1. DJP&A receives authorization to proceed, proposed plan set, and requested project information	---	1 day
2. Kick-off meeting with City	1 day	1 day
3. DJP&A drafts project description and submits to City for review	1 week	1 week
4. City reviews project description and provides comments to DJP&A	1 week	2 weeks
5. DJP&A subconsultants complete technical reports*	3 weeks	5 weeks
6. DJP&A completes Administrative Draft Initial Study/Addendum	2 weeks	7 weeks
7. City reviews Administrative Draft Initial Study/Addendum	2 weeks	9 weeks
8. DJP&A prepares Screencheck Initial Study/Addendum	1 week	10 weeks
9. City review of Screencheck Initial Study/Addendum	1 week	11 weeks
10. DJP&A finalizes and submits Initial Study/Addendum to City	1 week	12 weeks
Total		+/- 12 weeks

*If necessary, Congdons Tarplant blooming period surveys would need to be completed in June, which could extend project schedule.

Project Information Required from City

Our scope and schedule are based on the assumption that we will receive the below project information concurrent with authorization to proceed.

Plans (in PDF)

- ☐ Project plans, including landscaping plan, stormwater control plan, utility plan, grading plan, and parking and circulation plan
- ☐ Building elevations/cross-sections
- ☐ Lighting plan including heights

Project Details

- ☐ Written description of the project, including discretionary approvals and hours of operation
- ☐ Construction details, including duration, maximum depth of excavation, and total amount of cut/fill
- ☐ Utility improvements, including locations and depth
- ☐ Right of way improvements
- ☐ Green building measures, LEED or Greenpoint certification details
- ☐ List of Best Management Practices to conform to Provisions C.3 of the NPDES permit
- ☐ Project objectives

EXHIBIT D

Insurance Requirements

Please refer to the insurance requirements listed below. Those that have an "X" indicated in the space before the requirement apply to Contractor's or Consultant's Agreement.

Contractor or Consultant shall procure and maintain for the duration of the Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Contractor or Consultant, its agents, representatives, employees or subcontractors.

Contractor or Consultant shall provide its insurance broker(s)/agent(s) with a copy of these requirements and request that they provide Certificates of Insurance complete with copies of all required endorsements.

Contractor or Consultant shall furnish City with copies of original endorsements affecting coverage required by this Exhibit C. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements and certificates are to be received and approved by City before work commences. City has the right to require Contractor's or Consultant's insurer to provide complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications.

Commercial General Liability (CGL):

_X_ Coverage at least as broad as Insurance Services Office ("ISO") Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal and advertising injury with limits no less than **$2,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

___ Coverage at least as broad as ISO Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal and advertising injury with limits no less than **$1,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

___ Coverage at least as broad as ISO Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal and advertising injury with limits no less than **$5,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

Automobile Liability:

_X Coverage at least as broad as ISO Form Number CA 0001 covering, Code 1 (any auto), of if Contractor or Consultant has no owned autos, Code 8 (hired) and 9 (non-owned), with limits no less than **$1,000,000** per accident for bodily injury and property damage.

___ Coverage at least as broad as ISO Form Number CA 0001 covering, Code 1 (any auto), with limits no less than **$5,000,000** per accident for bodily injury and property damage.

___ Garage keepers' extra liability endorsement to extend coverage to all vehicles in the care, custody and control of the Contractor or Consultant, regardless of where the vehicles are kept or driven.

Professional Liability (Errors and Omissions):

The Employer's Liability policy shall be endorsed to waive any right of subrogation as respects the City, its elected and appointed officials, officers, attorneys, agents, and employees.

_X_ Insurance appropriates to the Contractor or Consultant's profession, with limit no less than **$1,000,000** per occurrence or claim, **$2,000,000** aggregate

___ (If Design/Build), with limits no less than **$1,000,000** per occurrence or claim, and **$2,000,000** policy aggregate.

___ Insurance appropriates to the Contractor or Consultant's profession, with limit no less than _____ per occurrence or claim, _____ aggregate

Workers' Compensation Insurance:

_X_ Insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than **$1,000,000** per accident for bodily injury or disease. *(Not required if Contractor or Consultant provides written verification it has no employees)*

The Contractor or Consultant makes the following certification, required by section 1861 of the California Labor Code:

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

_____
Contractor/Consultant Signature

Builder's Risk (Course of Construction):

N/A___ Insurance utilizing an "All Risk" (Special Perils) coverage form, with limits equal to the completed value of the project and no coinsurance penalty provisions.

Surety Bonds:

_N/A_ Contractor shall provide the following Surety Bonds:

1. Bid Bond

2. Performance Bond
3. Payment Bond

The Payment Bond and Performance Bond shall be in a sum equal to the contract price. Bonds shall be duly executed by a responsible corporate surety, authorized to issue such bonds in the State of California and secured through an authorized agent with an office in California.

Contractor's or Consultant's Pollution Legal Liability:

N/A_ Contractor's or Consultant's pollution legal liability and/or Asbestos Legal Liability and/or Errors and Omissions (if project involves environmental hazards) with limits no less than $**1,000,000** per occurrence or claim and **$2,000,000** policy aggregate.

If the Contractor or Consultant maintains higher limits than the minimums shown above, the City requires and shall be entitled to coverage for the higher limits maintained by the Contractor or Consultant. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.

Other Insurance Provisions:

The insurance policies are to contain, or be endorsed to contain the following provisions:

***Additional Insured Status*:**

The insurance policies are to contain, or be endorsed to contain the following provision:

The City, its elected and appointed officials, officers, attorneys, agents, and employees are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor or Consultant or any subcontractors including materials, parts, or equipment furnished in connection with such work or operations, including completed operations. General liability coverage can be provided in the form of an endorsement to the Contractor's or Consultant's insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).

The Additional Insured coverage under the Contractor's policy shall be "primary and non-contributory" and will not seek contribution from the City's insurance or self-insurance and shall be at least as broad as CG 20 01 04 13.

The limits of insurance required in this Agreement may be satisfied by a combination of primary and umbrella or excess insurance. Any umbrella or excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of City (if agreed to in a written contract or agreement) before the City's own insurance or self-insurance shall be called upon to protect it as a named insured.

***Primary Coverage*:**

The insurance policies are to contain, or be endorsed to contain the following provision:

For any claims related to this contract, the **Contractor's or Consultant's insurance coverage shall be primary insurance** as respects the City, its elected and appointed officials, officers, attorneys, agents, and employees. Any insurance or self insurance maintained by the City, its elected and appointed officials, officers, attorneys, agents, and employees shall be in excess of the Contractor's or Consultant's insurance and shall not contribute with it.

Builder's Risk (Course of Construction Insurance) (applicable to Construction Contracts only)

Contractor or Consultant may submit evidence of Builder's Risk insurance in the form of Course of Construction coverage. Such coverage **shall name the City as a loss payee** as their interest may appear.

If the project does not involve new or major reconstruction, at the option of the City, an Installation Floater may be acceptable. For such projects, a Property Installation Floater shall be obtained that provides for the improvement, remodel, modification, alteration, conversion or adjustment to existing buildings, structures, processes, machinery and equipment. The Property Installation Floater shall provide property damage coverage for any building, structure, machinery or equipment damaged, impaired, broken, or destroyed during the performance of the Work, including during transit, installation, and testing at the City's site.

***Notice of Cancellation, Suspension or Otherwise Voiding Policies*:**

Each insurance policy required above shall contain, or be endorsed to contain **that coverage shall not be suspended, voided, canceled or reduced in coverage or in limits except with thirty (30) days' prior written notice** by certified mail, return receipt requested to the City.

***Waiver of Subrogation*:**

Contractor or Consultant hereby grants to City a waiver of any right to subrogation which any insurer of said Contractor or Consultant may acquire against the City by virtue of the payment of any loss under such insurance. Contractor or Consultant agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer. **The Workers' Compensation Policy shall be endorsed with a waiver of subrogation** in favor of the City for all work performed by Contractor or Consultant, its employees, agents and subcontractors.

***Deductibles and Self-Insured Retentions ("SIR")*:**

Any deductibles or self-insured retentions must be declared to and approved by City. The City may require the Contractor or Consultant to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. At the option of the City, either (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its elected and appointed officials, officers, attorneys, agents, and employees; or (2) the Contractor or Consultant

shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

All SIRs must be disclosed to Risk Management for approval and shall not reduce the limits of liability.

Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or the City.

City reserves the right to obtain a full-certified copy of any insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later.

Completed Operations

For Construction Agreements, Contractor shall maintain insurance as required by this Agreement to the fullest amount allowed by law and shall maintain insurance for a minimum of five (5) years following the completion of this project. In the event Contractor fails to obtain or maintain completed operations coverage as required by this Agreement, the City at its sole discretion may purchase the coverage required and the cost will be paid by Contractor.

***Acceptability of Insurers*:**

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to City.

Claims Made Policies*: *(note - should be applicable only to professional liability, see below)

1. The Retroactive Date must be shown, and must be before the date of the contract or the beginning of contract work.

2. Insurance must be maintained and evidence of insurance must be provided **for at least five (5) years after completion of contract of work.**

3. If coverage is canceled or non-renewed, and not replaced **with another claims-made policy form with a Retroactive Date prior to** the contract effective date, the Contractor or Consultant must purchase "extended reporting" coverage for a minimum of **five (5) years** after completion of work.

4. A copy of the claims reporting requirements must be submitted to the City for review.

5. If the services involve lead-based paint or asbestos identification/remediation, the Contractor's Pollution Liability Policy shall not contain lead-based paint or asbestos exclusions. If the services involve mold identification/remediation, the Contractors Pollution Liability Policy shall not contain a mold exclusion, and the definition of Pollution shall include microbial matter, including mold.

***Subcontractors*:**

Contractor or Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that City is an additional insured on insurance required from subcontractors.

Subcontractor agrees to be bound to Contractor and City in the same manner and to the same extent as Contractor is bound to City under this Agreement and any other contract documents. Subcontractor further agrees to include the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, with any sub-subcontractor to the extent they apply to the scope of the sub-subcontractor's work. A copy of the City indemnity and insurance provisions will be furnished to the subcontractor upon request.

***Verification of Coverage*:**

Contractor or Consultant shall furnish the City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor or Consultant's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

Special Risks or Circumstances

City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage or other special circumstances.

***Failure to Comply*:**

Each insurance policy required above shall contain or be endorsed to contain that any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its elected and appointed officials, officers, attorneys, agents, and employees.

***Applicability of Coverage*:**

Each insurance policy required above shall contain or be endorsed to contain that the Contractor's or Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 05/07/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
SelectSolutions Insurance Services
1107 Investment Blvd
Suite 100
El Dorado Hills CA 95762

CONTACT NAME: Cora Lim
PHONE (A/C, No, Ext): (866)500-6359 FAX (A/C, No): (925)951-0077
E-MAIL ADDRESS: coral@selectsolutionsins.com

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	Travelers Property Casualty Company of America	25674
INSURER B :	The Travelers Indemnity Company of Connecticut	25682
INSURER C :	The Hanover American Insurance Company	36064
INSURER D :	Continental Casualty Company	20443
INSURER E :		
INSURER F :		

INSURED
David J. Powers & Associates, Inc.
1871 The Alameda, Suite 200
San Jose CA 95126

COVERAGES **CERTIFICATE NUMBER:** CL183826876 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	6805H0002841	12/03/2017	12/03/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Employee Benefits	$ 2,000,000 $ 1,000,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY			BA6820L1531	12/03/2017	12/03/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) Uninsured motorist BI	$ 1,000,000 $ $ $ $ 1,000,000
A	[X] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 0			CUP2C5902111	12/03/2017	12/03/2018	Split limit EACH OCCURRENCE AGGREGATE	$ 1,000,000 $ 1,000,000 $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	WZ39816300	01/13/2018	01/13/2019	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
D	PROFESSIONAL LIABILITY			EEH288347490	03/26/2018	03/26/2019	PER CLAIM AGGREGATE	$2,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re:DJP&A project # 18-047 /Well Upgrade Project, McCandless Well, Project # 7076 and the Lower Penitencia Creek Pedestrian Bridge Project # 2005. As Per Contract or Agreement on File with the Insured. City of Milpitas, its elected and appointed officials, officers, attorneys, agents and employees are named as additional insured (primary/non-contributory) on General Liability policy if required by written contract per attached endorsement. Waiver of subrogation applies to General Liability and Workers Compensation policies if required by written contract per the attached endorsement.

CERTIFICATE HOLDER
City of Milpitas
Attn: Steve Erickson, Engineering
45 E. Calaveras Blvd.
Milpitas CA 95035

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Letoia Irvine

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to **SECTION II – WHO IS AN INSURED**:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and

b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies, or in connection with premises owned by or rented to you.

The person or organization does not qualify as an additional insured:

c. With respect to the independent acts or omissions of such person or organization; or

d. For "bodily injury", "property damage" or "personal injury" for which such person or organization has assumed liability in a contract or agreement.

The insurance provided to such additional insured is limited as follows:

e. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this Coverage Part.

f. This insurance does not apply to the rendering of or failure to render any "professional services".

g. In the event that the Limits of Insurance of the Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement does not increase the limits of insurance described in Section **III** – Limits Of Insurance.

h. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.

2. The following is added to Paragraph **4.a.** of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

The insurance provided to the additional insured is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured which covers that person or organizations as a named insured for such loss, and we will not share with the other insurance, provided that:

(1) The "bodily injury" or "property damage" for which coverage is sought occurs; and

(2) The "personal injury" for which coverage is sought arises out of an offense committed;

after you have signed that "written contract requiring insurance". But this insurance provided to the additional insured still is excess over valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any other insurance.

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3. The following is added to Paragraph **8.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

We waive any right of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal injury" arising out of "your work" performed by you, or on your behalf, done under a "written contract requiring insurance" with that person or organization. We waive this right only where you have agreed to do so as part of the "written contract requiring insurance" with such person or organization signed by you before, and in effect when, the "bodily injury" or "property damage" occurs, or the "personal injury" offense is committed.

4. The following definition is added to the **DEFINITIONS** Section:

"Written contract requiring insurance" means that part of any written contract under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

a. After you have signed that written contract;

b. While that part of the written contract is in effect; and

c. Before the end of the policy period.

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WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT-CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 2% % of the California workers' compensation premium otherwise due on such remuneration.

Schedule

Person or Organization	Job Description
WHERE REQUIRED PER WRITTEN	CONTRACT

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective
Insured

Policy No. WZ3-9816300-05

Endorsement No.
Premium $

Insurance Company THE HANOVER AMERICAN INSURANCE COMPANY

Countersigned By_____

AMENDMENT NO. 1
TO PROFESSIONAL SERVICES AGREEMENT BETWEEN CITY OF MILPITAS AND DAVID J. POWERS & ASSOCIATES

This Amendment is entered into this November 5, 2019 by and between the City of Milpitas, a municipal corporation of the State of California (hereafter referred to as "CITY") and David J. Powers & Associates, a corporation (hereafter referred to as "CONSULTANT").

RECITALS

WHEREAS, the parties entered into an Agreement on May 1, 2018 entitled "Professional Services Agreement between the City of Milpitas and David J. Powers & Associates" ("Agreement") for professional services in the total amount of $68,843; and

WHEREAS, the parties now desire to amend the Agreement to increase the compensation by $55,000 to allow CONSULTANT to provide additional professional services for preconstruction surveys/compliance documentation as described in Exhibit A-1, attached hereto, for a new total amount of $123,843, to extend the term of service until December 31, 2020 and to make ministerial changes to the Agreement.

NOW THEREFORE, in consideration of the mutual covenants and conditions herein contained, the parties agree to amend the Agreement as follows:

1. Section 1, entitled "Services", of the Agreement is amended to read as follows:

"1. SERVICES. Consultant shall provide the City with the services described in Exhibit A to the Agreement and Exhibit A-1, attached hereto and incorporated herein by this reference.

2. Section 2, entitled "Compensation", of the Agreement is amended to read as follows:

"**2. COMPENSATION.**

a. Subject to paragraph 2(b) below, the City shall pay for the services contemplated in Exhibit A in accordance with the Schedule of Charges set forth in Exhibit B to the Agreement, and the services contemplated in Exhibit A-1 in accordance with the Schedule of Charges set forth in Exhibit B-1, attached hereto and incorporated by this reference.

"b. In no event shall the total amount paid for services rendered by Consultant under this Agreement exceed the sum of $<u>123,843</u>. This amount is to cover all printing and related costs, and the City will <u>not</u> pay any additional fees for printing expenses. Periodic payments shall be made within 30 days of receipt of an invoice which includes a detailed description of the work performed. Payments to Consultant for work performed will be made on a monthly billing basis. Five (5) percent shall be retained by the City from

each Agreement billing until completion of the Agreement unless authorized differently by City.

3. Section 5, entitled “Time of Performance”, of the Agreement is amended to read:

“TIME OF PERFORMANCE. The term of this Agreement shall be from May 1, 2018 to December 31, 2020, unless earlier terminated as provided herein. Consultant shall complete the Services within the term of this Agreement, and shall meet any other established schedules and deadlines.

4. Exhibit A-1 and Exhibit B-1, attached hereto and incorporated herein by this reference, are hereby added to the Agreement.

5. The Consultant agrees to maintain and pay for all insurance policies as stated in Section 11, entitled "Insurance" of the Agreement dated May 1, 2018 between the City of Milpitas and David J. Powers & Associates. The Consultant shall provide the City with renewal certificates of the current policies upon the expiration of the current policies

6. Except as amended by this Amendment No. 1, all provisions of the Agreement shall remain unchanged and in full force and effect. From and after the date of this Amendment No. 1, whenever the term “Agreement” appears in the Agreement, it shall mean the Agreement as amended by this Amendment No. 1.

7. The parties hereto irrevocably stipulate and agree that they have each received adequate and independent consideration for the performance of the obligations they have undertaken pursuant to this Amendment No. 1.

8. If any provision of this Amendment No. 1 shall be held invalid or unenforceable by a court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision of this Amendment No. 1 unless elimination of such provision materially alters the rights and obligations set forth herein.

[SIGNATURES ON FOLLOWING PAGE]

SIGNATURE PAGE FOR AMENDMENT NO. 1
TO PROFESSIONAL SERVICES AGREMENT BETWEEN THE CITY OF MILPITAS
AND
DAVID J. POWERS & ASSOCIATES

This Amendment No. 1 is executed as of the date first written above.

APPROVED BY:

CITY OF MILPITAS

_____
Steven McHarris, Interim City Manager

CONSULTANT
DAVID J. POWERS & ASSOCIATES

By:_____
Judy Shanley, President

APPROVED AS TO CONTENT:

_____
Steve P. Erickson, Engineering Director
/ City Engineer

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

_____
Walter Rossmann, Director of Finance

DAVID J. POWERS & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS & PLANNERS

EXHIBIT A-1
Amendment No. 1

October 17, 2019

Maren G. Schram, P.E.
Associate Civil Engineer
City of Milpitas
455 East Calaveras Boulevard, Milpitas CA 95035

RE: Milpitas Park, Well, and Pedestrian Bridge – Revised Scope Amendment Request #1

Dear Ms. Schram,

As requested, David J. Powers & Associates (DJP&A) is submitting this scope amendment to prepare a hazardous material risk appraisal and document compliance with the best management practices and conditions of approval included in the Milpitas Park, Well, and Pedestrian Bridge project. As we discussed, this budget amendment request also includes time for out-of-scope services provided during completion of the Addendum.

Hazardous Material Risk Appraisal
The City of Milpitas Fire Department requested documentation that the delivery, storage, and use of chemicals at the proposed well would not expose park users and off-site receptors (i.e., school and residences) to undue risk. Cornerstone Earth Group will review City of Milpitas regulations related to hazardous materials use, storage, and transportation and prepare a risk appraisal letter describing the quantifies and toxicity characteristics of the hazardous material that will be stored at the site and a licensed Risk Assessor will perform a risk appraisal associated with a hypothetical release during chemical delivery.

Compliance Documentation
The City of Milpitas requires documentation of compliance with the Best Management Practices and Standard Permit Conditions identified in the Addendum that are required of the project prior to issuance of a Grading Permit. DJP&A will review the Addendum and MMRP to identify all applicable measures and prepare a cover letter summarizing how the project complies with the measures. The cover letter will be attached to the required reports/documents/evidence of compliance. The following surveys and training would be completed in conjunction with the compliance documentation:

- Western pond turtle, burrowing owl, and nesting bird preconstruction surveys.
- Archaeological presence/absence preconstruction survey.
- Paleontological worker awareness training.

Western Pond Turtle, Burrowing Owl, and Nesting Bird Preconstruction Surveys

The western pond turtle, burrowing owl, and nesting bird preconstruction surveys will be completed by *H.T. Harvey & Associates*, under contract to DJP&A. Per Policy 5.26 of the Milpitas Transit Area Specific Plan, the biologist will conduct a survey for burrowing owls within 30 days prior to the onset of construction activities. The biologist will survey the project site and, to the extent that access allows, areas within 500 feet of the site. The survey will include two early morning surveys and two evening surveys to ensure that all owl pairs have been located. The initial survey will occur no less than 14 days prior to the start of work activities, and the final survey will occur within 24 hours prior to the start of work activities.

If construction is initiated during the typical avian breeding season (February 1 through August 31), a nesting bird survey is required no more than seven days prior to the initiation of construction activities. Thus, *H. T. Harvey & Associates* will survey the site to determine the presence or absence of active nests of birds protected by any applicable statutes (i.e., the Migratory Bird Treaty Act and California Fish and Game Code). The biologist will search the entire work area thoroughly for any evidence of active nests. The survey will include all project areas that may be impacted by construction as well as a 300-foot buffer for raptors and a 100-foot buffer for other species, where access allows.

H. T. Harvey & Associates will also conduct a single daytime visual survey for western pond turtles within 48 hours prior to the beginning of construction activities. For the sake of efficiency, this survey will be conducted simultaneously with the second burrowing owl survey (see above). Following the surveys, *H. T. Harvey & Associates* will produce a report of findings, and, if an active burrowing owl burrow, other bird nest, or western pond turtle is found sufficiently close to the project area to be disturbed by the proposed activities, recommendations for proceeding with the proposed work.

Archaeological Presence/Absence Preconstruction Survey

The archaeological presence/absence preconstruction survey will be completed by *Holman & Associates*, under contract to DJP&A. Holman & Associates will mark the locations of the presence/absence field work for USA Services and notify this agency of impending subsurface work. A private utility locator will also be used refine the markings. USA marking and subsequent agency markings must be completed on dry pavement.

The presence/absence fieldwork would be completed only after the utilities have been marked. Work would consist of directing a backhoe to excavate approximately 10 trenches throughout the site. Soil stratigraphic changes will be noted and photo documented for each trench and its location mapped. Fieldwork cannot be conducted during rainy conditions and the land has to be sufficiently dry for a backhoe to excavate. Each trench will be backfilled by the end of the workday. Backfilling will be completed using a standard backhoe that can achieve a general compaction but not to any specified engineering standards.

A report will be prepared documenting the results of the presence/absence field findings as well as providing further recommendations, if needed. The report will be submitted for one round of review to the City.

The presence/absence survey is limited to the above described tasks and does not include evaluating any archaeological resource that might be identified by these efforts. No work will be completed until all necessary permits/licenses (e.g., business licenses and/or excavation or encroachment permits) are obtained. The cost to obtain permits, if necessary, would be billed as an additional task under the contingency (see below).

Paleontological Worker Awareness Training

The paleontological worker awareness training will be completed by *Cogstone Resource Management, Inc.*, under contract to DJP&A. *Cogstone* will prepare a project specific paleontological worker awareness training presentation and provide one in-person worker awareness training presentation at one kick off meeting for construction personnel prior to earth-moving activities. *Cogstone* will record the presentation with audio for subsequent training on CD.

Coordination and Meetings

DJP&A will coordinate completion of the surveys with City Staff and manage preparation of the reports. This scope of work includes up to 20 hours for project coordination with City Staff and/or the project team. This scope does not include meeting attendance by DJP&A or our subconsultants.

Addendum for the Milpitas Park, Well and Pedestrian Bridge

The Addendum for the Milpitas Park, Well, and Pedestrian Bridge project was completed in July. As we discussed, the Addendum required substantially more time to complete than estimated in our scope. The overage was largely due to the protracted project schedule and project complexity (i.e., the project is actually three separate projects). We also prepared a Mitigation Monitoring and Reporting Program (MMRP) for the project. Preparing an MMRP was not included in our scope of work because Addenda typically don't require MMRPs. The MMRP was warranted due to the specific nature of the measures included in the proposed project, compared to the programmatic measures identified in the MTASP EIR.

Budget Proposal

The cost to complete the additional services described above is **$55,000**, which includes a contingency. If we do not need all the time that has been budgeted, we will only bill for the time actually spent completing the work. The estimated costs to complete the tasks contained in this scope amendment request are outlined in the table below.

David J. Powers & Associates	
Project Management and Coordination and Preparation of Compliance Letter	$7,025
Reimbursable Expenses	$100
Addendum Completion	$10,000
Subconsultants	
HT Harvey & Associates (Biology)	$5,130
Holman & Associates (Archaeology)	$15,525
Cogstone Resource Management (Paleontology)	$1,970
Cornerstone Earth Group (Hazardous Materials)	$5,465
Subtotal:	**$45,215**
Contingency	$9,785
Total:	**$55,000**

Assumptions and Limitations
We assume that the overall compliance process will take no more than four weeks and have estimated a level of project management commensurate with that schedule. If additional project management services are required, such as extensive coordination between team members in order for us to obtain the necessary compliance documentation, then additional budget may be needed. DJP&A will notify you if the level of project management begins to exceed expectations.

Our current agreement, dated May 21, 2018, authorizes expenditures up to $68,843. With approval of this proposed scope amendment, the total authorized not-to-exceed cost will be **$123,843.** Please feel free to contact me if you have any questions about this proposal or need any additional information.

Sincerely,

Demetri S. Loukas
Principal Project Manager

EXHIBIT B-1
Amendment No. 1

Charge Rate Schedule[1]

Title	Hourly Rate
Senior Principal	$275
Principal Project Manager	$250
Senior Environmental Specialist	$220
Senior Project Manager	$195
Environmental Specialist	$180
Biologist	$170
Project Manager	$170
Associate Project Manager	$145
Assistant Project Manager	$120
Researcher	$105
Draftsperson/Graphic Artist	$110
Document Processor/Quality Control	$100
Administrative Manager	$100
Office Support	$85

Notes: Materials, outside services, and subconsultants include a 15 percent administration fee. Mileage will be charged per the current IRS standard mileage rate at the time costs occur.

[1] David J. Powers & Associates, Inc. provides regular, clear and accurate invoices as the work on this project proceeds, in accordance with normal company billing procedures. The cost estimate prepared for this project does not include special accounting or bookkeeping procedures, nor does it include preparation of extraordinary or unique statements or invoices. If a special invoice or accounting process is requested, the service can be provided on a time and materials basis. Any fees charged to DJP&A for Client's third-party services related to invoicing, insurance certificate maintenance, or other administrative functions will be billed as a reimbursable expense.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	Per recommendation of the Milpitas Arts Commission, move to approve James Dinh's Circle of Time Public Art Design for Higuera Adobe Park
Category:	Consent Calendar-Community Services and Sustainable Infrastructure
Meeting Date:	11/5/2019
Staff Contact:	Renee Lorentzen, 408-586-3409
Recommendation:	Per recommendation of the Milpitas Arts Commission, move to approve James Dinh's Circle of Time Public Art Design for Higuera Adobe Park.

Background:

In 2018, the City of Milpitas Arts Commission issued an open call Request for Proposals for a free-standing public art sculpture to be located in Higuera Adobe Park and placed in honor of longtime Milpitas Arts Commissioner Larry Voellger.

Mr. Voellger was the founding president of the Milpitas Alliance for the Arts, integral in establishing the Art in Your Park program in Milpitas and advocating for high quality multicultural performing and visual arts in Milpitas. At the time of his death in 2015, his family requested donations to the Milpitas Public Art Fund for an art piece in his name, in lieu of flowers. A total of $2,375 was donated by Mr. Voellger's family and friends for an art piece.

At its August 16, 2016 regular meeting, as part of its approval of the Arts Commission Work Plan, the City Council approved a public art project, at a location to be determined, to be funded for $30,000, plus the donations received in memory of Mr. Voellger.

At its September 26, 2016 meeting, the Arts Commission chose Higuera Adobe Park as the location for the artwork in Mr. Voellger's memory.

Following the open call, the City received nine proposals.

At its November 26 regular meeting, the Arts Commission reviewed the proposals and voted (6-1) for two artists, Carla Moss and Colin Selig, to submit maquettes (scale models of the proposed artwork). The maquettes were received and presented to the Commission at the January meeting. It was decided that the Voellger family would be a stakeholder in the project, in addition to the general public.

At its March 25, 2019 regular meeting, the Arts Commission was informed that the Voellger family had viewed the maquettes and formally requested that a third artist from the initial nine, James Dinh, also be invited to submit a maquette. As the RFP allows flexibility with regard to artist selection, the Commission voted unanimously to honor the family's request and asked to include Mr. Dinh's maquette in public voting.

All three maquettes were subsequently displayed at various City events and facilities in May and June 2019, including at Higuera Adobe on May 23, 2019. Comment cards were made available for members of the public to cast votes for their preferred design. The designs were also posted on the City website, with an opportunity for residents to vote online. A total of 191 votes were received, including 36 from residents who live in the immediate vicinity of Higuera Adobe Park.

Mr. Dinh's "Circle of Time" was the overwhelming favorite of the Higuera Adobe neighbors, winning 29 of [illegible] votes, or 81% of the votes of those most likely to pass the artwork on a regular basis. "Circle of Time" wa

the overall winner, with about 40 percent of the public votes. Mr. Voellger's family also viewed the three maquettes and indicated their strong preference for Mr. Dinh's design, which they felt best honored Mr. Voellger's vision of public art in the parks.

Analysis:
Sculptor James Dinh's "Circle of Time" is a functional artwork that can serve as additional park seating and a gathering point in the park.

The main element is a granite millstone of the type that would have been used on a California rancho. The center of the millstone wheel is a window with lasercut bronze tule reeds in the opening. The piece is mounted on a circular concrete pedestal which has a tule reed pattern imprinted into the concrete.

The tule motif is particularly appropriate to the place, as the adobe and park land were originally part of José Higuera's Rancho Los Tularcitos, which translates to "place of the little tules." Tule reeds were an important resource for the Muwekma Ohlone Indians, who used them as building material for their homes and small boats.

Mr. Dinh is a sculptor and printmaker, with a background in landscape architecture. His public art commissions include works for San Antonio, Texas; Santa Rosa, Los Angeles County, Garden Grove, Hacienda Heights, La Verne and Westminster, California.

At its August 26, 2019 special meeting, the Arts Commission unanimously selected "Circle of Time" to be recommended to City Council.

On September 9, 2019, the Parks, Recreation and Cultural Resources Commission also voted unanimously to recommend Mr. Dinh's design.

Policy Alternatives:
Alternative 1: Do not approve James Dinh's "Circle of Time" as public artwork for Higuera Adobe Park.

Pros: None.

Cons: Not approving the recommended design would significantly delay the installation of an artwork honoring Larry Voellger.

Reason not recommended: Not approving the recommended design would be contrary to the recommendations by the Arts Commission and Parks, Recreation and Cultural Resources Commission, and to the clear public preference for this piece and to the express wishes of Mr. Voellger's family.

Fiscal Impact:
The art budget is $30,000, funded through the Public Art Fund and $2,375 in memorial donations made to the Public Art Fund to honor Mr. Voellger.

Recommendation:
Per recommendation of the Milpitas Arts Commission, move to approve James Dinh's "Circle of Time" as public artwork for Higuera Adobe Park.

Attachments:
1. James Dinh Design Proposal for Higuera Adobe Park
2. 08-26-2019 Arts Commission meeting minutes

studiofolia

James Dinh
12723 Park Street
Cerritos, CA 90703
562.841.2512
james@studiofolia.com
www.studiofolia.com

Cover Letter

Dear Selection Committee:

It is an honor to submit my qualifications for the Higuera Adobe Park Public Art Project. The community and cultural aspects of this project are what interests me, and as such the opportunity to use art as a placemaking and narrative tool to engage with residents and visitors.

Working at the confluence of public art and landscape architecture, I draw on the cultural landscape unique to each site so as to develop design narratives that heighten the experience and understanding of place. The themes addressed in my creative work are rooted in my family's experience of being refugees, who had to create a new home here in the U.S. after leaving Vietnam in 1975. Based in Southern California, I explore notions of community, identity, and historical narrative within the context of public space. Because I strongly believe that the context and requirements of each project inform the final form and materiality of the artwork, I do not believe in a one style fits all approach. As such, my portfolio offers a diversity of approaches, interventions, and forms. My design process involves asking questions, conducting research, seeking community input, exploring alternatives, and experimenting with different materials and methodologies.

For Higuera Adobe Park, I envision an artwork that evokes the past, speaks to the present, and looks to the future. Inspired by the ranch-like setting and the adobe building, the artwork incorporates a large granite millstone--the type that may have once been used at the Rancho--as the main sculptural element. The round millstone will stand vertically on a circular concrete pedestal. The pedestal also serves as seating and creates a gathering space. The vertical face of the concrete pedestal will have an impressed pattern reminiscent of tule reeds. Josè Higuera, the original owner of the land, named his property Rancho Los Tularcitos ("place of the little tules"). Tules were also an important part of the daily life of the Muwekma Ohlone Indians, the original inhabitants of the land, who used the plants to make boats and housing. The plant might have grown along the Arroyo Calera that flows near the Adobe.

The tule pattern is also echoed in a circular bronze "window" that is inset in the middle of the millstone. Laser cutting technology will be utilized to cut the pattern. This "window" invites people to look through and gaze at the historic Adobe on one side and the beautiful landscape on the other side. Metaphorically, it is a window to the past and also to the future, united in the present--a circle of time.

A breakdown of the artwork budget is as follows:

Artist fee (10%)	3000
Travel	1000
Engineering	2000
Millstone fabrication	5000
Bronze window	1000
Concrete pedestal	12,000
Delivery & crane	1000
Installation	2000
Contingency (10%)	3000
TOTAL	30,000 budget

Sincerely,

James Dinh

CIRCLE OF TIME

studiofolia

James Dinh — Resumé
12723 Park Street
Cerritos, CA 90703
562.841.2512
james@studiofolia.com
www.studiofolia.com

EDUCATION

2002	Master of Landscape Architecture University of California, Berkeley
1997	Master of Public Health, with a concentration in epidemiology University of California, Los Angeles
1991	Bachelor of Science in Biological Sciences University of California, Irvine

WORK EXPERIENCE

2010 – present	Studiofolia Principal Los Angeles
2006 – present	Orange Street Studio Associate Designer Los Angeles
2002 – 2005	R|H|A|A Designer Mill Valley & San Francisco

PUBLIC ART COMMISSIONS

2018	National Native American Veterans Memorial, Smithsonian, Washington D.C. – finalist
2018	Depot Park public art, Santa Rosa, CA – commissioned artist
2018	Woman's College tribute, Uni. of N. Carolina, Greensboro – commissioned with Michael Stutz
2018	50th Anniversary public art, Lakewood, CO – current finalist with Michael Naranjo
2018	Equity Fountain public art, Helena, MT – current finalist with Michael Stutz
2018	Center for Recreational Excellence public art, Hobbs, NM – current finalist with Michael Stutz
2018	Public Safety Complex public art, Dublin, CA – finalist
2018	Mid-Valley Performing Art Center public art, Salt Lake City – finalist with Michael Stutz
2018	Anson Burlingame tribute, Burlingame, CA – finalist with Michael Stutz
2018	Art in Transit Program, bus shelter public art, San Antonio, TX – under fabrication
2018	Seffer Mango Community Park public art, Seffner, FL – finalist
2018	Cartasia Bienalle, Lucca, Italy – finalist
2017	Monument to the Braceros, Los Angeles, CA – finalist
2017	Of Two Lineages public art, Westminster, CA – completed
2017	Living Bridge public art, Chinese Cultural Center, San Francisco, CA – finalist
2017	Central Park Entrance Gateway, City of Fremont, CA – finalist
2017	Oak Knoll Creekside Entry Park public art, Oakland, CA – finalist
2017	End of Watch Police Memorial, City of San Jose, CA – finalist
2016	David & Margaret Youth and Family Services Public Art, La Verne, CA – completed
2015	LA County Sheriff's Memorial, LA County Arts Commission – commissioned artist
2014	Circles of a Ripple public art, Hacienda Heights Community Center– completed
2014	Santa Ana Japanese American Farmer Memorial, City of Santa Ana, CA – finalist
2014	Utah State University Eastern Central Instruction Building public art, Price, UT – finalist

studiofolia

EXHIBITIONS & WORKSHOPS

2018	*Viet Stories: Recollections & Regenerations*, Richard Nixon Library, Yorba Linda, CA Exhibition designer
2017	*Impress* (exhibition of contemporary printmaking), Orange County Center for Contemporary Art Participating artist
2016	Coastal Communities Cancer Center Temporary public art, Ventura, CA Commissioned artist
2015	Earth Day Temporary Public Art Installation, City of Garden Grove, CA Commissioned artist
2015	*Forty Hues Between Black & White*, Orange County Center for Contemporary Art Participating artist for community printmaking workshop
2015	Re:Imagine Garden Grove, Garden Grove, CA Participating artist for community art workshop
2015	*Vietnamese Focus: Generations of Stories*, Old Santa Ana Courthouse, Santa Ana, CA Exhibition director and designer
2014	Re:Imagine Garden Grove, Garden Grove, CA Participating artist for community art workshop
2012	Noche de Altares, Santa Ana, CA Participating artist for community art workshop
2010	Thanatopolis Exhibition, I-Park Foundation, East Haddam, CT Land arts paper project
2010	*Juried All-Media Exhibition*, Palos Verdes Art Center, Rancho Palos Verdes, CA Ceramic sculpture
2009 & 2010	*Student Art Exhibition*, Cerritos College Art Gallery, Cerritos, CA Ceramic sculpture

AWARDS, FELLOWSHIPS & RESIDENCIES

2017	American for the Arts Convention Scholarship
2010	First Prize – Ceramic sculpture, Cerritos College Art Exhibition
2006	Post-Katrina New Orleans East Design Residency, New Orleans, LA
2002	Stone in the Landscape, stone masonry workshop hosted by Robert Murase, Gray's Bay, WA
2002	Award of Honor – American Society of Landscape Architects
2002	First Prize – Univ. of Calif. at Berkeley Dept. of Land. Arch. Thomas Church competition
2001	Runner-up – UNESCO International Fed. of Land. Arch. Student competition – team project
2001	Finalist – Metropolis Magazine Sustainable Design competition – team project
2001	Second Prize – Uni. of Calif. at Berkeley Sproul Plaza Redesign competition – team project
2001	University of California at Berkeley Graduate Division Fellowship
2001	University of California at Berkeley Beatrix Farrand Scholarship
2000	First Prize – Univ. of Calif. at Berkeley Dept. of Land. Arch. Thomas Church competition
2000	Honorable Mention – Univ. of Calif. at Berkeley AIDS Memorial competition – team project
1995	University of California at Los Angeles Graduate Division Fellowship

REEFRENCES

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CITY OF MILPITAS
M I N U T E S

ARTS COMMISSION

Minutes: Regular Meeting of the Arts Commission.

Date of Meeting: August, 26, 2019

Place of Meeting: Milpitas City Hall Committee Conference Room

I. Call to Order: Chair Agg called the meeting to order at 7:05 pm.

II. Roll Call: Commissioners Present: Agg, Besler, Driggers, Hays, Santos and Strauss
City Council Liaison: Absent
City Staff Present: Tegan McLane – Recreation Assistant Director
Rosana Cacao – Recreation Services Supervisor
Justin Yount – Public Services Assistant

III. Seating of Alternates None

IV. Approval of Agenda: **MOTION** to approve the agenda for August 26, 2019 as submitted.
M/S: Hays/Driggers **Ayes:** All

V. Approval of Minutes: **MOTION** to approve minutes for May 28, 2019 as submitted.
M/S: Hays/Driggers **Ayes:** All

VI. Public Forum:

Sunnyhills Neighborhood Association Treasurer Rob Means informed the Commission that the neighborhood hopes to be a pilot location for a Personal Rapid Transit loop, and that it might offer a public art opportunity.

Milpitas Arts and Culture Grant recipient and Milpitas business owner Patti Jensen, spoke about her Fancy Dancers troupe and their challenges producing shows in the Milpitas Community Center Auditorium.

Milpitas resident Ann Zeise encouraged the Commission to support establishing a functioning community television station, as a community TV channel could be used to promote the arts.

VII. Announcements and Correspondence

None

VIII. Old Business

1. **Visual/Cultural Subcommittee – Chairperson Agg**
   Arts Projects – Commissioner Hays
   Chairperson Agg expressed an interest in collaborating with the Milpitas Unified School district in hopes of encouraging more student participation in regards to the arts. He also suggested working with the Milpitas Library and the Golden Hills Association to promote more visual/cultural arts in the community. Commissioner Hays presented a PowerPoint slideshow of various simple and complex sidewalk art that could enhance visual arts throughout the City of Milpitas.

2. **Higuera Adobe Public Art Project Voting Results – Staff Cacao**
   Staff Cacao presented the report. Staff displayed art maquettes at Higuera Park and other locations and invited the community to vote for their preferred design. A third design proposal was approved at the March 25 Arts Commission meeting. All voting concluded on July 25. The Voellger Family input was also received. The Circle of Time design by Artist James Dinh obtained majority of the votes and was preferred by the family. Arts Commission's recommendation will be presented and approved at the next PRCRC meeting on September 9 before heading to City Council for final adoption.

   MOTION to recommend Circle of Time design to the PRCRC meeting on September 9, 2019 for approval.
   M/S: Hays/Driggers **Ayes:** All

3. **2019-2020 Commission Update and Work Plan Review – Staff McLane**
   Staff is seeking input from the Commission in regards to their Work Plan for the 2019-2020 year. Staff McLane reviewed current plan goals and/or projects with the Commission and received additional tasks/edits to add to the Work Plan. Final Work Plan will be submitted for consideration at a future City Council meeting.

   MOTION to approve Work Plan with additional tasks/edits and forward to City Council for approval.
   M/S: Driggers/Strauss **Ayes:** All

X. New Business

1. **Milpitas Arts and Cultural Grant – Chair Agg**
   As part of the Work Plan, the Commission would like to encourage Milpitas artists and/or organizations to apply. There was discussion about approaching City Council to restore the cash portion of the Milpitas Arts and Culture Grants.

2. **Commissioner Handbook Review – City Staff**
   In 2018, City Council adopted a Commissioner Handbook to guide commissioners in various areas such as attendance policy, staff roles, term limits, work plans and so forth. This Handbook is to be used by Commissioners as a useful tool and resource throughout their term(s). Staff distributed Handbook to all Commissioners, highlighted changes and answered questions.

XI. Liaison Report

1. City Council – none
2. Staff Report – none

XII. Future Agenda Items

Budget – Funds allocated, limitations, etc.

XIII. Adjournment

There being no further business, the meeting was adjourned at 9:28pm to the next scheduled meeting on September 23, 2019.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Accept the 2019 Bulletproof Vest Partnership Grant and approve a budget appropriation for $18,546.07 into the Milpitas Police Department's operating budget (Staff Contact: Raj Maharaj, 408-586-2416)**
Category:	Consent Calendar-Public Safety
Meeting Date:	11/5/2019
Staff Contact:	**Raj Maharaj, Milpitas Police Captain, 408-586-2416**
Recommendation:	Accept the 2019 Bulletproof Vest Partnership Grant and approve a budget appropriation for $18,546.07 into the Milpitas Police Department's operating budget.

Background: The Bulletproof Vest Partnership (BVP) Grant Act of 1998 is a unique U.S. Department of Justice initiative designed to provide a critical resource to state and local law enforcement. The BVP program purpose is to reimburse state and local law enforcement up to fifty percent of body armor costs. The Milpitas Police Department has been participating in the BVP Grant Program consecutively since 2008.

The United States Department of Justice, Office of Justice Programs and Bureau of Justice Assistance has awarded the Milpitas Police Department a (BVP) grant in the amount of $18,546.07. The grant will reimburse the City of Milpitas fifty-percent of the cost for each ballistic vest purchased between April 1, 2019 and August 31, 2021.

Analysis: The Police Officer's Association Memorandum of Understanding (MOU), in § 22.11, compels all uniformed officers to wear a ballistic vest and requires the City of Milpitas to provide each officer with a ballistic vest, and three ballistic vest covers. Officers not in a uniformed assignment, are required to wear a ballistic vest when circumstances dictate the need for the equipment. The life span of a ballistic vest is five years. After a five-year period, all ballistic vests must be replaced as soon as reasonably possible.

The Police Department anticipates purchasing approximately 32 ballistic vests during this award period and the expense will be approximately $37,092.00. Under this grant, the Department of Justice will reimburse the City of Milpitas fifty-percent of this cost.

Ballistic vests have been proven to save lives. The Chief of Police will continue to require officers to maintain this equipment in good working order and use the equipment consistent with the MOU, policy, and sound officer safety practice.

Policy Alternative:

Alternative: Decline the grant award and the ability to recover fifty-percent of the cost for each ballistic vest purchased through August 31, 2021.

Pros: None
Cons: The grant will reimburse the City of Milpitas fifty-percent of the cost for each ballistic vest purchased by the Milpitas Police Department.
Reason not recommended: Not accepting BVP grant will increase the expenditure for ballistic vests.

Fiscal Impact: Need to approve the budget appropriation of $18,546.07 for the Police Department operating budget.

California Environmental Quality Act: N/A

Recommendation:
1. Accept the 2019 Bulletproof Vest Partnership (BVP) grant,
2. Approve a budget appropriation increasing the Police Department operating budget by $18,546.07.

Attachments:
1) Police Dept. Memo - BVP 2019 Staff Report
2) 2019 BVP awards list
3) BVP Award Summary for City of Milpitas.
4) Budget Change Form

MEMORANDUM

Milpitas Police Department

Armando Corpuz
Chief of Police

DATE: September 25, 2019

TO: Armando Corpuz, Chief of Police

FROM: Raj Maharaj, Special Operations Division Captain

SUBJECT: **Bulletproof Vest Partnership Grant (BVP)**

The Milpitas Police Department has been awarded $18,546.07 as part of the Bulletproof Vest Partnership (BVP) Program. The BVP Program is a U.S. Department of Justice initiative designed to provide critical resources to state, local, and tribal jurisdictions. The sole purpose of the grant is to assist in purchase of bulletproof body armor for sworn law enforcement personnel. The Office of Justice Programs' Bureau of Justice Assistance (BJA) administers the grant, and since 1999, the BVP Program has awarded $467 million to over 13,000 jurisdictions to assist in the purchase of more than one million bulletproof vests as of January 2019.

Through the BVP Program grant, states, local government, and tribal governments are reimbursed up to 50 percent of the cost for each eligible body armor purchased for law enforcement personnel. Under current legislation, jurisdictions with fewer than 100,000 residents receive priority funding. In order to qualify for this reimbursement, body armor must comply with the most current National Institute of Justice (NIJ) body armor standards. Information pertaining to the current NIJ standards is provided online at the following website: www.ojp.gov/nij/topics/technology/body-armor. The Milpitas Police Department has been participating in the BVP grant consecutively since 2008. The BVP grants cover a two-year period and the current 2019 BVP grant will expire on August 31, 2021. Although this is a 2019 BVP grant request, it will cover future purchases through August 31, 2021.

The Milpitas Police Department provides sworn personnel with ballistic vests and replaces them every 5 years per the Memorandum of Understanding (M.O.U.), because the warranty period by all manufacturers is five years. Out of an abundance of caution for the safety of our personnel, we encourage them to replace their expired bulletproof vests every five years to ensure maximum performance of their issued equipment. Additionally, Section 22.11 of the M.O.U. states the following: *The City shall provide each officer with a ballistic vest, and three (3) vest covers at time of purchase, to be selected from a list approved by the Police Chief. All ballistic vests that have been in use for five years shall be replaced, as soon as reasonably possible.*

Based on Department policy, sworn personnel are allowed to purchase bulletproof vests, which meet federal safety standards, through various manufacturers. The variety of purchasing options can result in price variations for their purchase, which directly is a result of personal choice of each officer. Some factors that can affect the price of a bulletproof vest include its safety rating, manufacture, model, and various comfort features.

Each year BVP accepts applications from eligible agencies for reimbursement funds. The application process includes providing an estimated total cost for projected vest purchases for the upcoming grant period. For year 2017, the City of Milpitas was awarded $5,630.70. For year 2018, the City of Milpitas was awarded $13,309.73. For the upcoming 2019 grant, the City of Milpitas was awarded $18,546.07 for bulletproof vest reimbursements. For example, under the

2018 BVP award, the Milpitas Police Department purchased twenty-two (22) bulletproof vests for $23,477.11, and BVP reimbursed the City $11,738.57 for those purchases.

The current cost for a bulletproof vest is approximately $910.00, which includes one vest cover. The cost for two additional vest covers is approximately $65 each for a total estimated price of $130. The total estimated price for a new vest, including tax, with two vest covers is $1,133.60; but that price could fluctuate based on protection rating and specific features by individual manufacturers.

Based on current vacancies and replacement of expired ballistic vests, the Police Department anticipates purchasing approximately 32 bulletproof vests under the 2019 award. The approximate cost of those vests is $37,092.14 and with the 50 percent BVP grant reimbursement, the City would recoup $18,546.07 from this program.

FINANCIAL IMPACT

The Bulletproof Vest Partnership does not financially impact the Police Department, as the City's matching funds are already itemized as a line item in the approved Police Department operating budget.

RECOMMENDATION

I recommend the City of Milpitas accept the 2019 Bulletproof Vest Partnership (BVP) grant and approve appropriation in the amount of $18,546.07 into the Police Department's operating budget.

10/5/2019

FY 2019 BVP Awards

State	Jurisdiction Name (City)	BVP Funding Amount
AK	CORDOVA CITY	$347.20
AK	FAIRBANKS CITY	$4,044.82
AK	JUNEAU CITY AND BOROUGH	$7,213.48
AK	KENAI CITY	$759.49
AK	KODIAK CITY	$1,735.98
AK	NOME CITY	$3,492.89
AK	NORTH SLOPE BOROUGH	$2,014.16
AK	PALMER CITY	$2,777.56
AK	PETERSBURG CITY	$1,471.50
AK	SAND POINT CITY	$541.63
AK	SEWARD CITY	$1,735.98
AK	SITKA CITY AND BOROUGH	$2,020.24
AK	SOLDOTNA CITY	$2,083.17
AK	WASILLA CITY	$2,054.42
	Totals for AK(14 Jurisdictions):	**$32,292.52**
AL	ALABASTER CITY	$6,110.98
AL	ALBERTVILLE CITY	$7,561.89
AL	ALEXANDER CITY	$3,952.81
AL	ANDALUSIA CITY	$1,432.15
AL	ANNISTON CITY	$6,315.90
AL	ARAB CITY	$1,809.75
AL	ASHLAND CITY	$3,380.81
AL	ASHVILLE TOWN	$1,032.47
AL	ATHENS CITY	$4,339.93
AL	AUBURN CITY	$15,264.61
AL	AUTAUGA COUNTY	$5,719.16
AL	BAY MINETTE CITY	$3,760.98
AL	BESSEMER CITY	$11,769.88
AL	BRUNDIDGE CITY	$564.20
AL	CLAY COUNTY	$3,704.13
AL	CLEBURNE COUNTY	$3,392.31
AL	COFFEE COUNTY	$3,700.23
AL	COLBERT COUNTY	$10,595.05
AL	COTTONWOOD TOWN	$397.98
AL	COVINGTON COUNTY	$6,509.76
AL	CULLMAN CITY	$3,015.39
AL	CULLMAN COUNTY	$3,873.39
AL	DADEVILLE CITY	$4,138.12
AL	DALE COUNTY	$6,695.64
AL	DAPHNE CITY	$2,473.76
AL	DE KALB COUNTY	$4,131.61
AL	DECATUR CITY	$4,402.43
AL	DEMOPOLIS CITY	$2,538.86
AL	ENTERPRISE CITY	$2,707.86

AL	FLORENCE CITY	$1,676.08
AL	FOLEY CITY	$5,110.27
AL	GARDENDALE CITY	$2,050.62
AL	GLENCOE CITY	$3,463.27
AL	GULF SHORES CITY	$3,774.44
AL	GUNTERSVILLE CITY	$4,420.22
AL	HALE COUNTY	$2,610.47
AL	HARTFORD CITY	$1,321.51
AL	HARTSELLE CITY	$2,877.38
AL	HEADLAND CITY	$2,630.00
AL	HELENA CITY	$2,050.62
AL	HENAGAR TOWN	$2,229.86
AL	HENRY COUNTY	$2,343.54
AL	HOMEWOOD CITY	$4,615.52
AL	HOOVER CITY	$18,068.85
AL	HUEYTOWN CITY	$11,489.96
AL	IRONDALE CITY	$3,411.19
AL	JACKSONVILLE CITY	$3,324.39
AL	JASPER CITY	$3,643.81
AL	KILLEN TOWN	$1,937.35
AL	MADISON CITY	$6,952.57
AL	MARGARET TOWN	$1,324.45
AL	MARSHALL COUNTY	$17,142.71
AL	MIDFIELD CITY	$2,673.40
AL	MOUNTAIN BROOK CITY	$5,207.92
AL	NAPIER FIELD TOWN	$477.35
AL	NORTHPORT CITY	$2,773.22
AL	ORANGE BEACH CITY	$215.27
AL	OZARK CITY	$3,964.53
AL	PELHAM CITY	$8,332.66
AL	PELL CITY	$2,931.41
AL	PHENIX CITY	$7,488.55
AL	POWELL TOWN	$654.47
AL	PRATTVILLE CITY	$3,119.54
AL	RAINBOW CITY	$2,083.17
AL	REFORM CITY	$511.25
AL	SARALAND CITY	$3,523.16
AL	SCOTTSBORO CITY	$4,101.23
AL	SPANISH FORT CITY	$3,129.09
AL	SYLACAUGA CITY	$1,744.66
AL	SYLVANIA TOWN	$2,257.20
AL	TALLADEGA COUNTY	$2,658.12
AL	TALLAPOOSA COUNTY	$1,637.89
AL	TALLASSEE CITY	$2,183.86
AL	TARRANT CITY	$605.42
AL	THOMASVILLE CITY	$2,488.08
AL	TROY CITY	$3,667.24

AL	TRUSSVILLE CITY	$3,189.85
AL	VESTAVIA HILLS CITY	$8,000.66
AL	WETUMPKA CITY	$9,999.19
	Totals for AL(79 Jurisdictions):	**$333,379.51**
AR	ALMA CITY	$2,024.58
AR	AUSTIN TOWN	$1,822.77
AR	BATESVILLE CITY	$5,570.82
AR	BENTON CITY	$11,522.33
AR	CABOT CITY	$7,534.69
AR	CAMMACK VILLAGE CITY	$1,348.20
AR	CRITTENDEN COUNTY	$3,173.20
AR	DARDANELLE CITY	$5,555.11
AR	DE QUEEN CITY	$2,949.74
AR	DES ARC CITY	$1,486.43
AR	DIERKS CITY	$1,889.99
AR	EL DORADO CITY	$3,973.80
AR	ELKINS CITY	$807.23
AR	FAYETTEVILLE CITY	$30,205.89
AR	FORT SMITH CITY	$16,444.30
AR	FRANKLIN COUNTY	$1,516.76
AR	GARLAND COUNTY	$6,428.33
AR	GENTRY CITY	$1,620.96
AR	GRAVETTE CITY	$1,735.98
AR	GREENWOOD CITY	$1,757.67
AR	GREERS FERRY CITY	$694.39
AR	HEBER SPRINGS CITY	$878.74
AR	HOPE CITY	$1,634.68
AR	HOT SPRINGS CITY	$10,964.39
AR	INDEPENDENCE COUNTY	$1,597.52
AR	JACKSONVILLE CITY	$7,567.42
AR	JONESBORO CITY	$14,520.73
AR	LAKE VILLAGE CITY	$468.40
AR	LOGAN COUNTY	$1,735.98
AR	LONOKE COUNTY	$13,140.99
AR	MAGNOLIA CITY	$2,430.36
AR	MALVERN CITY	$1,258.58
AR	MARIANNA CITY	$3,782.25
AR	MARION CITY	$3,287.88
AR	MCCRORY CITY	$1,292.87
AR	MILLER COUNTY	$1,370.94
AR	MOUNTAIN HOME CITY	$2,895.90
AR	MOUNTAIN VIEW CITY	$1,188.07
AR	OSCEOLA CITY	$1,915.54
AR	OZARK CITY	$1,503.36
AR	POINSETT COUNTY	$1,365.57
AR	POLK COUNTY	$498.98
AR	RANDOLPH COUNTY	$5,555.11

AR	ROGERS CITY	$9,721.44
AR	RUSSELVILLE CITY	$5,942.23
AR	SEARCY CITY	$8,287.77
AR	SHARP COUNTY	$2,533.63
AR	SHERWOOD CITY	$4,431.78
AR	SILOAM SPRINGS CITY	$4,198.88
AR	SPRINGDALE CITY	$20,831.65
AR	TEXARKANA CITY	$5,203.49
AR	VAN BUREN CITY	$1,495.24
AR	WARD CITY	$3,569.97
AR	WEST FORK CITY	$542.99
AR	WEST MEMPHIS CITY	$15,380.70
AR	WHITE HALL CITY	$1,710.89
AR	WYNNE CITY	$1,480.35
	Totals for AR(57 Jurisdictions):	**$276,248.44**
AZ	APACHE COUNTY	$1,940.82
AZ	APACHE JUNCTION CITY	$6,862.16
AZ	AVONDALE CITY	$7,811.87
AZ	BISBEE CITY	$1,763.97
AZ	BUCKEYE TOWN	$8,073.03
AZ	BULLHEAD CITY	$7,015.47
AZ	CASA GRANDE CITY	$4,515.37
AZ	CHINO VALLEY TOWN	$3,057.39
AZ	CLARKDALE TOWN	$1,312.24
AZ	CLIFTON TOWN	$1,280.04
AZ	COOLIDGE CITY	$7,134.01
AZ	COTTONWOOD CITY	$1,041.59
AZ	DOUGLAS CITY	$5,220.14
AZ	EL MIRAGE CITY	$5,233.96
AZ	ELOY CITY	$3,214.41
AZ	FLAGSTAFF CITY	$12,498.99
AZ	FLORENCE TOWN	$2,765.64
AZ	GRAHAM COUNTY	$6,218.54
AZ	GREENLEE COUNTY	$7,226.03
AZ	KEARNY TOWN	$744.91
AZ	KINGMAN CITY	$10,068.63
AZ	LA PAZ COUNTY	$10,108.33
AZ	MARANA TOWN	$8,818.65
AZ	MARICOPA CITY	$5,329.61
AZ	NOGALES CITY	$3,195.35
AZ	ORO VALLEY TOWN	$8,488.48
AZ	PAGE CITY	$1,571.88
AZ	PAYSON TOWN	$4,568.64
AZ	PINETOP-LAKESIDE TOWN	$1,310.66
AZ	PRESCOTT CITY	$8,272.51
AZ	PRESCOTT VALLEY TOWN	$9,017.06
AZ	QUARTZSITE TOWN	$694.39

AZ	SAHUARITA TOWN	$4,928.57
AZ	SIERRA VISTA CITY	$2,083.17
AZ	SNOWFLAKE TOWN	$2,169.97
AZ	ST JOHNS CITY	$2,238.04
AZ	WICKENBURG TOWN	$2,279.51
AZ	WILLIAMS CITY	$954.79
AZ	WINSLOW CITY	$2,969.38
AZ	YUMA CITY	$11,782.00
	Totals for AZ(40 Jurisdictions):	**$195,780.20**
CA	ALBANY CITY	$4,995.12
CA	ALHAMBRA CITY	$439.23
CA	AMADOR COUNTY	$12,777.45
CA	ANDERSON CITY	$1,033.69
CA	ANGELS CITY	$1,415.25
CA	ARCADIA CITY	$4,122.93
CA	ARCATA CITY	$2,473.76
CA	ARROYO GRANDE CITY	$4,127.27
CA	ARVIN CITY	$4,301.47
CA	ATWATER CITY	$2,386.96
CA	AUBURN CITY	$1,100.85
CA	AVENAL CITY	$1,451.30
CA	AZUSA CITY	$7,291.08
CA	BALDWIN PARK CITY	$7,816.21
CA	BANNING CITY	$3,151.10
CA	BARSTOW CITY	$3,232.98
CA	BEAUMONT CITY	$3,143.24
CA	BELL GARDENS CITY	$1,838.64
CA	BELMONT CITY	$2,613.39
CA	BEVERLY HILLS CITY	$8,723.35
CA	BISHOP CITY	$1,701.26
CA	BLYTHE CITY	$1,680.16
CA	BRAWLEY CITY	$6,167.05
CA	BREA CITY	$6,128.82
CA	BRENTWOOD CITY	$2,983.50
CA	BRISBANE CITY	$679.43
CA	BUENA PARK CITY	$4,582.72
CA	BURLINGAME CITY	$3,528.56
CA	CALAVERAS COUNTY	$15,627.19
CA	CALEXICO CITY	$8,475.77
CA	CALIFORNIA CITY	$5,003.69
CA	CALISTOGA CITY	$360.63
CA	CAMPBELL CITY	$5,192.52
CA	CAPITOLA CITY	$1,419.12
CA	CARMEL BY THE SEA CITY	$1,072.36
CA	CATHEDRAL CITY	$2,826.16
CA	CERES CITY	$5,529.80
CA	CHINO CITY	$8,832.55

CA	CHOWCHILLA CITY	$3,148.50
CA	CITRUS HEIGHTS CITY	$9,562.82
CA	CLAREMONT CITY	$2,945.08
CA	CLEARLAKE CITY	$2,897.05
CA	COALINGA CITY	$2,411.27
CA	COLMA TOWN	$1,908.92
CA	COLUSA COUNTY	$4,785.61
CA	CORCORAN CITY	$5,116.78
CA	CORONADO CITY	$4,517.31
CA	COVINA CITY	$4,296.53
CA	CRESCENT CITY	$2,386.96
CA	CULVER CITY	$13,471.13
CA	CYPRESS CITY	$3,661.56
CA	DEL NORTE COUNTY	$3,429.11
CA	DELANO CITY	$4,007.29
CA	DESERT HOT SPRINGS CITY	$3,508.00
CA	DINUBA CITY	$7,656.38
CA	DIXON CITY	$2,083.17
CA	DUBLIN CITY	$10,415.83
CA	EL PASO DE ROBLES CITY	$3,452.42
CA	EMERYVILLE CITY	$423.17
CA	ESCALON CITY	$2,034.56
CA	EUREKA CITY	$4,458.88
CA	FARMERSVILLE CITY	$2,155.21
CA	FOLSOM CITY	$8,717.70
CA	FORT BRAGG CITY	$1,471.87
CA	FOUNTAIN VALLEY CITY	$6,733.76
CA	GALT CITY	$3,508.00
CA	GARDENA CITY	$4,808.42
CA	GILROY CITY	$5,446.70
CA	GLENDORA CITY	$5,109.14
CA	GLENN COUNTY	$11,170.65
CA	GONZALES CITY	$2,806.20
CA	GREENFIELD CITY	$5,772.11
CA	GRIDLEY CITY	$3,343.92
CA	GROVER BEACH CITY	$2,038.90
CA	HANFORD CITY	$4,152.83
CA	HAWTHORNE CITY	$9,277.16
CA	HEMET CITY	$8,160.32
CA	HERCULES CITY	$3,470.44
CA	HERMOSA BEACH CITY	$2,123.79
CA	HOLLISTER CITY	$3,905.94
CA	HUNTINGTON PARK CITY	$6,874.99
CA	INDIO CITY	$2,954.80
CA	INYO COUNTY	$5,460.70
CA	IRWINDALE CITY	$3,725.83
CA	KERMAN CITY	$2,677.69

CA	KING CITY	$1,985.88
CA	KINGSBURG CITY	$1,943.27
CA	LA HABRA CITY	$2,590.66
CA	LA MESA CITY	$770.66
CA	LA VERNE CITY	$6,120.77
CA	LAGUNA BEACH CITY	$4,964.91
CA	LAKE COUNTY	$18,263.90
CA	LAKEPORT CITY	$2,282.91
CA	LARKSPUR CITY	$5,079.78
CA	LASSEN COUNTY	$11,192.67
CA	LEMOORE CITY	$7,458.08
CA	LIVERMORE CITY	$6,808.11
CA	LIVINGSTON CITY	$7,740.03
CA	LODI CITY	$17,548.31
CA	LOMPOC CITY	$4,882.73
CA	LOS ALTOS CITY	$3,350.22
CA	LOS GATOS TOWN	$5,239.93
CA	MANHATTAN BEACH CITY	$7,518.93
CA	MANTECA CITY	$3,867.64
CA	MARINA CITY	$3,953.68
CA	MARTINEZ CITY	$3,002.95
CA	MARYSVILLE CITY	$6,583.38
CA	MENDOTA CITY	$2,787.66
CA	MENIFEE CITY	$19,145.15
CA	MENLO PARK CITY	$7,749.86
CA	MERCED CITY	$21,117.44
CA	MILL VALLEY CITY	$2,939.44
CA	MILPITAS CITY	$18,546.07
CA	MODOC COUNTY	$2,586.68
CA	MONO COUNTY	$4,915.86
CA	MONROVIA CITY	$7,071.85
CA	MONTCLAIR CITY	$5,000.22
CA	MONTEREY CITY	$5,687.76
CA	MONTEREY PARK CITY	$8,791.83
CA	MORGAN HILL CITY	$2,112.64
CA	MOUNTAIN VIEW CITY	$10,813.72
CA	NAPA CITY	$2,484.25
CA	NATIONAL CITY	$12,502.61
CA	NEWARK CITY	$5,366.76
CA	NEWMAN CITY	$999.04
CA	NEWPORT BEACH CITY	$14,729.95
CA	NOVATO CITY	$3,250.77
CA	OAKDALE CITY	$5,992.81
CA	ORANGE COVE CITY	$2,430.36
CA	OROVILLE CITY	$1,787.99
CA	PACIFIC GROVE CITY	$1,765.88
CA	PACIFICA CITY	$2,410.95

CA	PALM SPRINGS CITY	$20,831.65
CA	PALO ALTO CITY	$9,245.58
CA	PARADISE TOWN	$3,295.26
CA	PARLIER CITY	$1,388.41
CA	PETALUMA CITY	$5,520.39
CA	PIEDMONT CITY	$1,784.07
CA	PITTSBURG CITY	$3,949.34
CA	PLACENTIA CITY	$5,485.32
CA	PLACERVILLE CITY	$5,379.78
CA	PLEASANT HILL CITY	$5,254.90
CA	PLUMAS COUNTY	$3,935.47
CA	PORTERVILLE CITY	$10,541.65
CA	RED BLUFF CITY	$3,522.07
CA	REDDING CITY	$4,510.33
CA	REDLANDS CITY	$6,277.19
CA	REDONDO BEACH CITY	$2,658.20
CA	REDWOOD CITY	$9,142.06
CA	REEDLEY CITY	$3,376.47
CA	RIDGECREST CITY	$2,597.68
CA	RIO VISTA CITY	$1,719.15
CA	RIPON CITY	$1,768.52
CA	ROCKLIN CITY	$5,963.93
CA	ROHNERT PARK CITY	$11,031.38
CA	SAN BERNARDINO CITY UNIF SCHOOL DIST	$8,108.07
CA	SAN GABRIEL CITY	$6,594.35
CA	SAN LEANDRO CITY	$11,344.57
CA	SAN LUIS OBISPO CITY	$4,168.17
CA	SAN PABLO CITY	$9,179.85
CA	SAN RAFAEL CITY	$9,382.92
CA	SAN RAMON CITY	$8,586.97
CA	SAND CITY	$1,710.29
CA	SANGER CITY	$2,711.75
CA	SANTA BARBARA CITY	$10,017.85
CA	SANTA CRUZ CITY	$12,716.96
CA	SANTA MONICA CITY	$8,649.48
CA	SANTA PAULA CITY	$5,794.48
CA	SEAL BEACH CITY	$4,540.70
CA	SEASIDE CITY	$4,513.53
CA	SELMA CITY	$2,363.46
CA	SIGNAL HILL CITY	$4,227.01
CA	SISKIYOU COUNTY	$4,253.13
CA	SOUTH GATE CITY	$7,596.18
CA	SOUTH SAN FRANCISCO CITY	$7,517.39
CA	ST HELENA CITY	$1,356.01
CA	STALLION SPRINGS CMTY SERV DT	$1,735.98
CA	SUISUN CITY	$1,323.39
CA	SUSANVILLE CITY	$2,033.80

CA	TAFT CITY	$2,430.36
CA	TEHAMA COUNTY	$5,620.97
CA	TRACY CITY	$12,534.15
CA	TRINITY COUNTY	$10,676.22
CA	TRUCKEE TOWN	$3,262.23
CA	TULARE CITY	$1,518.98
CA	TUOLUMNE COUNTY	$8,539.80
CA	TURLOCK CITY	$3,089.92
CA	TUSTIN CITY	$4,631.60
CA	UPLAND CITY	$8,669.28
CA	VACAVILLE CITY	$23,623.09
CA	WATSONVILLE CITY	$6,430.47
CA	WEST SACRAMENTO CITY	$6,168.18
CA	WESTMINSTER CITY	$3,204.25
CA	WHEATLAND CITY	$1,772.23
CA	WHITTIER CITY	$7,059.44
CA	WILLITS CITY	$1,422.31
CA	WINTERS CITY	$2,213.76
CA	WOODLAND CITY	$3,544.02
CA	YUBA CITY	$5,880.60
CA	YUBA COUNTY	$20,930.42
CA	YUROK TRIBE	$3,936.32
	Totals for CA(201 Jurisdictions):	**$1,101,572.60**
CO	ALAMOSA CITY	$2,951.59
CO	ALMA TOWN	$694.39
CO	ARCHULETA COUNTY	$1,735.43
CO	AVON TOWN	$2,083.17
CO	BASALT TOWN	$1,694.75
CO	BENT COUNTY	$2,430.36
CO	BLACK HAWK CITY	$3,471.95
CO	BLANCA TOWN	$904.52
CO	BLUE RIVER TOWN	$1,301.98
CO	BRECKENRIDGE TOWN	$1,714.28
CO	CANON CITY CITY	$4,860.72
CO	CASTLE ROCK TOWN	$3,124.75
CO	CEDAREDGE TOWN	$1,063.29
CO	CHERRY HILLS VILLAGE CITY	$1,388.78
CO	COMMERCE CITY	$11,804.60
CO	CONEJOS COUNTY	$3,396.43
CO	CORTEZ CITY	$6,100.14
CO	CUSTER COUNTY	$624.95
CO	DACONO CITY	$2,951.15
CO	DELTA CITY	$3,009.40
CO	DILLON TOWN	$4,860.72
CO	DURANGO CITY	$2,679.11
CO	EAGLE COUNTY	$12,694.29
CO	EAGLE TOWN	$2,078.83

CO	EDGEWATER CITY	$1,952.97
CO	ELBERT COUNTY	$4,687.12
CO	ELIZABETH TOWN	$1,853.59
CO	ENGLEWOOD CITY	$5,364.15
CO	FLORENCE CITY	$4,570.38
CO	FORT MORGAN CITY	$2,567.07
CO	FOUNTAIN CITY	$5,858.90
CO	FREDERICK TOWN	$2,777.56
CO	FRISCO TOWN	$2,343.56
CO	GARFIELD COUNTY	$8,534.04
CO	GILPIN COUNTY	$3,771.40
CO	GLENWOOD SPRINGS CITY	$2,377.50
CO	GOLDEN CITY	$2,430.36
CO	GRANBY TOWN	$1,041.59
CO	GRAND COUNTY	$10,003.53
CO	GRAND JUNCTION CITY	$11,913.10
CO	GREENWOOD VILLAGE CITY	$5,613.70
CO	GUNNISON CITY	$1,757.67
CO	IGNACIO TOWN	$693.53
CO	KERSEY TOWN	$1,883.32
CO	LA PLATA COUNTY	$5,902.30
CO	LA SALLE TOWN	$390.60
CO	LAFAYETTE CITY	$4,832.49
CO	LAKE COUNTY	$4,118.59
CO	LAMAR CITY	$1,310.66
CO	LAS ANIMAS COUNTY	$1,041.59
CO	LEADVILLE CITY	$3,593.46
CO	LITTLETON CITY	$15,623.74
CO	LOGAN COUNTY	$4,120.33
CO	LONE TREE CITY	$8,419.46
CO	LONGMONT CITY	$7,537.59
CO	LOUISVILLE CITY	$9,374.24
CO	MANCOS TOWN	$909.20
CO	MANITOU SPRINGS CITY	$3,124.75
CO	MEAD TOWN	$1,627.48
CO	MOFFAT COUNTY	$1,258.58
CO	MONTE VISTA CITY	$782.16
CO	MONTEZUMA COUNTY	$2,951.15
CO	MONTROSE CITY	$3,914.62
CO	MONTROSE COUNTY	$2,832.24
CO	MORRISON TOWN	$1,518.98
CO	MOUNT CRESTED BUTTE TOWN	$347.20
CO	MOUNTAIN VILLAGE	$1,041.59
CO	NEW CASTLE TOWN	$735.61
CO	NORTHGLENN CITY	$9,027.05
CO	OAK CREEK TOWN	$347.20
CO	OLATHE TOWN	$1,592.76

CO	PARK COUNTY	$7,369.20
CO	PARKER TOWN	$6,943.89
CO	PITKIN COUNTY	$2,628.32
CO	PROWERS COUNTY	$2,916.76
CO	RIFLE CITY	$3,364.32
CO	ROCKY FORD CITY	$2,433.75
CO	SEVERANCE TOWN	$1,998.97
CO	SILVERTHORNE TOWN	$1,041.59
CO	STEAMBOAT SPRINGS CITY	$3,034.92
CO	STERLING CITY	$2,083.17
CO	SUMMIT COUNTY	$7,850.97
CO	TELLER COUNTY	$5,468.31
CO	TELLURIDE TOWN	$2,222.05
CO	TIMNATH TOWN	$1,432.18
CO	TRINIDAD CITY	$1,714.28
CO	VAIL TOWN	$3,012.82
CO	WASHINGTON COUNTY	$1,248.64
CO	WHEAT RIDGE CITY	$13,670.77
CO	WINDSOR TOWN	$2,424.53
CO	WOODLAND PARK CITY	$2,677.74
CO	YUMA CITY	$1,399.00
CO	YUMA COUNTY	$1,212.27
	Totals for CO(93 Jurisdictions):	**$338,038.69**
CT	ANSONIA CITY	$2,031.09
CT	AVON TOWN	$1,301.98
CT	BEACON FALLS TOWN	$1,475.58
CT	BERLIN TOWN	$14,532.25
CT	BETHEL TOWN	$1,531.56
CT	BLOOMFIELD CITY	$1,733.81
CT	BRANFORD TOWN	$18,227.69
CT	BRISTOL CITY	$14,321.76
CT	BROOKFIELD TOWN	$1,432.18
CT	CANTON TOWN	$1,735.98
CT	COVENTRY TOWN	$1,106.69
CT	CROMWELL TOWN	$3,710.64
CT	DARIEN TOWN	$6,331.96
CT	DERBY CITY	$650.99
CT	EAST HAMPTON TOWN	$1,963.82
CT	EAST HAVEN TOWN	$6,249.50
CT	EAST LYME TOWN	$1,388.78
CT	EASTON TOWN	$4,114.25
CT	ENFIELD TOWN	$3,011.91
CT	FAIRFIELD TOWN	$16,057.73
CT	FARMINGTON TOWN	$3,090.03
CT	GLASTONBURY TOWN	$4,087.13
CT	GRANBY TOWN	$1,873.99
CT	GREENWICH TOWN	$9,721.44

CT	GROTON CITY	$3,642.07
CT	GROTON TOWN	$3,211.55
CT	GUILFORD TOWN	$1,506.83
CT	HAMDEN TOWN	$5,507.37
CT	LEDYARD TOWN	$1,963.82
CT	MADISON TOWN	$6,900.49
CT	MANCHESTER TOWN	$5,103.76
CT	MERIDEN CITY	$11,110.08
CT	MILFORD CITY	$8,869.08
CT	MONROE TOWN	$4,496.17
CT	NAUGATUCK BOROUGH	$3,836.50
CT	NEW BRITAIN CITY	$5,468.31
CT	NEW CANAAN TOWN	$5,099.42
CT	NEWINGTON TOWN	$4,012.70
CT	NORWALK CITY	$12,498.99
CT	NORWICH CITY	$5,772.11
CT	ORANGE TOWN	$6,726.02
CT	PLYMOUTH TOWN	$325.50
CT	PROSPECT TOWN	$1,752.90
CT	SEYMOUR TOWN	$3,467.61
CT	SIMSBURY TOWN	$8,028.87
CT	SOUTH WINDSOR TOWN	$2,005.05
CT	STONINGTON TOWN	$15,262.66
CT	STRATFORD TOWN	$6,890.07
CT	SUFFIELD TOWN	$747.69
CT	TRUMBULL TOWN	$6,086.75
CT	VERNON TOWN	$5,468.31
CT	WATERFORD TOWN	$4,355.12
CT	WATERTOWN TOWN	$12,420.87
CT	WEST HAVEN CITY	$11,711.30
CT	WESTPORT TOWN	$4,265.28
CT	WILTON TOWN	$4,895.44
CT	WINDHAM TOWN	$4,513.53
CT	WINDSOR LOCKS TOWN	$1,735.98
CT	WINDSOR TOWN	$2,156.08
CT	WOODBRIDGE TOWN	$1,160.07
	Totals for CT(60 Jurisdictions):	**$314,657.09**
DE	BETHANY BEACH TOWN	$2,777.56
DE	CHESWOLD TOWN	$355.88
DE	DELAWARE RIVER AND BAY AUTHORITY	$9,437.09
DE	HARRINGTON CITY	$1,303.28
DE	LAUREL TOWN	$2,333.93
DE	MIDDLETOWN TOWN	$1,849.12
DE	MILFORD CITY	$6,710.07
DE	MILLSBORO TOWN	$1,945.16
DE	MILTON TOWN	$1,571.04
DE	NEWARK CITY	$11,280.13

DE	OCEAN VIEW TOWN	$972.62
DE	SEAFORD CITY	$2,430.36
DE	SELBYVILLE TOWN	$2,934.64
DE	SMYRNA TOWN	$2,783.20
DE	WILMINGTON CITY	$42,137.16
	Totals for DE(15 Jurisdictions):	**$90,821.24**
FL	ALTAMONTE SPRINGS CITY	$8,301.83
FL	APOPKA CITY	$6,717.12
FL	ARCADIA CITY	$650.99
FL	ATLANTIC BEACH CITY	$3,280.99
FL	ATLANTIS CITY	$1,156.16
FL	AUBURNDALE CITY	$2,868.52
FL	AVENTURA CITY	$8,332.66
FL	BAKER COUNTY	$2,548.41
FL	BELLE ISLE CITY	$3,178.31
FL	BELLEAIR TOWN	$1,692.58
FL	BOCA RATON CITY	$10,884.54
FL	BOYNTON BEACH CITY	$10,031.38
FL	BRADENTON CITY	$12,594.47
FL	CALHOUN COUNTY	$1,301.98
FL	CASSELBERRY CITY	$4,005.76
FL	CHATTAHOOCHEE CITY	$1,847.08
FL	CHIPLEY CITY	$1,078.04
FL	CLAY CO SCH DIST	$11,749.05
FL	CLERMONT CITY	$14,274.98
FL	CLEWISTON CITY	$2,634.17
FL	COCOA BEACH CITY	$4,860.72
FL	COCOA CITY	$10,506.62
FL	COCONUT CREEK CITY	$5,075.43
FL	COLUMBIA COUNTY	$5,235.05
FL	DADE CITY	$2,634.17
FL	DAVENPORT CITY	$3,113.19
FL	DAYTONA BEACH CITY	$27,390.36
FL	DAYTONA BEACH SHORES CITY	$1,594.49
FL	DE FUNIAK SPRINGS CITY	$5,492.62
FL	DELAND CITY	$9,721.44
FL	DELRAY BEACH CITY	$35,801.32
FL	DESOTO COUNTY	$3,652.05
FL	EATONVILLE TOWN	$5,164.95
FL	EDGEWATER CITY	$5,057.41
FL	EDGEWOOD CITY	$1,461.54
FL	EUSTIS CITY	$5,858.90
FL	FELLSMERE CITY	$937.43
FL	FLAGLER BEACH CITY	$307.95
FL	FLORIDA CITY	$1,432.18
FL	FORT MYERS CITY	$11,457.41
FL	FORT WALTON BEACH CITY	$6,326.49

FL	FT PIERCE CITY	$19,838.24
FL	GREEN COVE SPRINGS CITY	$4,257.47
FL	GULF STREAM TOWN	$2,317.05
FL	GULFPORT CITY	$4,459.71
FL	GRETNA CITY	$550.42
FL	HAINES CITY	$6,418.76
FL	HALLANDALE CITY	$13,128.28
FL	HAMILTON COUNTY	$6,572.78
FL	HARDEE COUNTY	$3,411.19
FL	HAVANA TOWN	$815.92
FL	HENDRY COUNTY	$3,888.58
FL	HIALEAH GARDENS CITY	$4,530.73
FL	HIGHLAND BEACH TOWN	$6,193.77
FL	HILLSBORO BEACH TOWN	$2,386.96
FL	HOLLY HILL CITY	$1,137.86
FL	HOLMES BEACH CITY	$2,169.97
FL	HOLMES COUNTY	$7,709.02
FL	HOWEY IN THE HILLS TOWN	$1,128.39
FL	INDIALANTIC CITY	$1,131.42
FL	INDIAN HARBOUR BEACH CITY	$2,449.03
FL	INDIAN RIVER SHORES CITY	$859.43
FL	JACKSONVILLE BEACH CITY	$10,802.95
FL	JENNINGS TOWN	$1,307.49
FL	JUPITER TOWN	$7,296.78
FL	KENNETH CITY TOWN	$2,080.57
FL	KEY WEST CITY	$17,489.52
FL	KISSIMMEE CITY	$6,718.21
FL	LADY LAKE TOWN	$3,471.95
FL	LAKE HAMILTON TOWN	$427.92
FL	LAKE MARY CITY	$4,346.37
FL	LAKE PLACID TOWN	$637.97
FL	LAKE WALES CITY	$2,411.14
FL	LANTANA TOWN	$1,486.43
FL	LARGO CITY	$12,652.62
FL	LAUDERHILL CITY	$17,352.76
FL	LEESBURG CITY	$5,756.96
FL	LIGHTHOUSE POINT CITY	$1,952.97
FL	LYNN HAVEN CITY	$2,013.73
FL	MAITLAND CITY	$2,229.86
FL	MANALAPAN TOWN	$904.88
FL	MARGATE CITY	$7,551.48
FL	MARIANNA CITY	$1,082.82
FL	MELBOURNE BEACH TOWN	$322.01
FL	MELBOURNE CITY	$8,889.05
FL	MELBOURNE VILLAGE TOWN	$1,432.18
FL	MICCOSUKEE TRIBE	$13,193.38
FL	MONROE COUNTY	$20,688.43

FL	MOUNT DORA CITY	$5,173.74
FL	NAPLES CITY	$2,178.21
FL	NASSAU COUNTY	$3,185.51
FL	NEW SMYRNA BEACH CITY	$2,392.04
FL	NORTH MIAMI BEACH CITY	$6,939.55
FL	NORTH MIAMI CITY	$28,165.61
FL	NORTH PALM BEACH VILLAGE	$2,913.91
FL	NORTH PORT CITY	$14,334.78
FL	OAKLAND TOWN	$1,410.48
FL	OCALA CITY	$28,259.17
FL	OCEAN RIDGE TOWN	$1,660.03
FL	OKEECHOBEE COUNTY	$8,571.58
FL	ORANGE CITY	$1,023.36
FL	ORANGE PARK TOWN	$1,997.46
FL	ORMOND BEACH CITY	$11,582.72
FL	PALATKA CITY	$2,389.39
FL	PALM BEACH GARDENS CITY	$22,657.02
FL	PALM BEACH TOWN	$2,864.36
FL	PALM SPRINGS VILLAGE	$5,541.66
FL	PALMETTO CITY	$2,038.90
FL	PANAMA CITY	$10,528.23
FL	PANAMA CITY BEACH CITY	$6,379.70
FL	PENSACOLA CITY	$10,415.83
FL	PINECREST VILLAGE	$4,471.86
FL	PINELLAS PARK CITY	$14,971.88
FL	PLANT CITY	$5,534.28
FL	PLANTATION CITY	$19,529.67
FL	PONCE INLET TOWN	$935.55
FL	PORT ORANGE CITY	$19,972.56
FL	PUNTA GORDA CITY	$4,339.93
FL	PUTNAM COUNTY	$6,457.49
FL	RIVIERA BEACH CITY	$11,613.64
FL	ROCKLEDGE CITY	$9,726.30
FL	SANFORD CITY	$12,106.84
FL	SARASOTA CITY	$26,121.15
FL	SATELLITE BEACH CITY	$734.71
FL	SEBASTIAN CITY	$2,931.07
FL	SEMINOLE TRIBE OF FLORIDA	$9,406.79
FL	SEWALLS POINT TOWN	$890.17
FL	SNEADS TOWN	$971.15
FL	SOUTH DAYTONA CITY	$1,549.36
FL	SOUTH MIAMI CITY	$8,679.86
FL	SOUTH PALM BEACH TOWN	$1,703.25
FL	SPRINGFIELD CITY	$4,166.33
FL	ST AUGUSTINE BEACH CITY	$2,222.52
FL	ST AUGUSTINE CITY	$3,207.77
FL	ST CLOUD CITY	$12,798.65

FL	STARKE CITY	$8,869.30
FL	STUART CITY	$4,860.72
FL	SUNRISE CITY	$11,692.25
FL	SWEETWATER CITY	$1,427.84
FL	TARPON SPRINGS CITY	$4,574.63
FL	TAVARES CITY	$1,356.23
FL	TEMPLE TERRACE CITY	$4,150.92
FL	TITUSVILLE CITY	$13,822.67
FL	UMATILLA CITY	$854.43
FL	VENICE CITY	$7,357.74
FL	VERO BEACH CITY	$7,638.27
FL	WAKULLA COUNTY	$6,585.41
FL	WAUCHULA CITY	$1,592.76
FL	WEST MELBOURNE CITY	$6,253.84
FL	WHITE SPRINGS TOWN	$2,576.86
FL	WILDWOOD CITY	$1,735.98
FL	WILLISTON CITY	$2,338.36
FL	WILTON MANORS CITY	$2,760.20
FL	WINDERMERE TOWN	$1,301.98
FL	WINTER GARDEN CITY	$7,291.08
FL	WINTER HAVEN CITY	$9,986.23
FL	WINTER PARK CITY	$12,059.84
	Totals for FL(157 Jurisdictions):	**$1,000,799.71**
GA	ACWORTH CITY	$3,254.95
GA	ADAIRSVILLE CITY	$1,446.42
GA	ALBANY CITY	$20,896.76
GA	ALMA CITY	$1,156.60
GA	ALPHARETTA CITY	$19,186.82
GA	AMERICUS CITY	$3,402.51
GA	AUBURN CITY	$685.71
GA	AVONDALE ESTATES CITY	$1,822.77
GA	BAINBRIDGE CITY	$5,207.92
GA	BALDWIN COUNTY	$3,634.69
GA	BLACKSHEAR CITY	$4,773.92
GA	BLAKELY CITY	$2,148.27
GA	BLECKLEY COUNTY	$1,041.59
GA	BRANTLEY COUNTY	$8,308.14
GA	BROOKHAVEN CITY	$11,948.69
GA	BROOKS COUNTY	$5,468.31
GA	BUENA VISTA CITY	$1,204.33
GA	BURKE COUNTY	$8,774.47
GA	BYRON CITY	$2,855.68
GA	CALHOUN CITY	$6,184.40
GA	CAMDEN COUNTY	$3,823.48
GA	CANTON CITY	$2,625.66
GA	CARROLLTON CITY	$24,901.63
GA	CARTERSVILLE CITY	$3,723.66

GA	CATOOSA COUNTY	$6,509.89
GA	CEDARTOWN CITY	$5,270.41
GA	CENTERVILLE CITY	$2,954.41
GA	CHAMBLEE CITY	$3,723.66
GA	CHATTAHOOCHEE HILLS CITY	$2,081.00
GA	CHATTOOGA COUNTY	$2,239.41
GA	CLARKSTON CITY	$5,732.61
GA	COCHRAN CITY	$1,861.83
GA	COLLEGE PARK CITY	$7,820.55
GA	COLQUITT COUNTY	$2,864.36
GA	COMMERCE CITY	$4,620.29
GA	CONYERS CITY	$5,794.59
GA	CRISP COUNTY	$4,063.91
GA	CITY OF SOUTH FULTON	$10,676.22
GA	DALLAS CITY	$3,710.64
GA	DALTON CITY	$9,908.06
GA	DAWSON COUNTY	$1,853.15
GA	DECATUR COUNTY	$4,844.10
GA	DORAVILLE CITY	$6,885.30
GA	DOUGHERTY COUNTY	$19,089.18
GA	DOUGLAS CITY	$4,062.18
GA	DOUGLASVILLE CITY	$13,889.50
GA	DUBLIN CITY	$4,847.70
GA	DULUTH CITY	$5,454.86
GA	EAST POINT CITY	$3,901.60
GA	ELLIJAY CITY	$1,026.40
GA	EMERSON CITY	$913.99
GA	ETON CITY	$729.11
GA	FAYETTEVILLE CITY	$4,655.66
GA	FITZGERALD CITY	$1,692.58
GA	FLOWERY BRANCH CITY	$3,449.16
GA	FOREST PARK CITY	$6,900.49
GA	FORSYTH CITY	$2,878.24
GA	FORT OGLETHORPE	$3,749.70
GA	FRANKLIN COUNTY	$2,823.13
GA	GAINESVILLE CITY	$5,858.90
GA	GARDEN CITY	$3,124.71
GA	GILMER COUNTY	$6,672.64
GA	GLENNVILLE CITY	$2,382.62
GA	GLYNN COUNTY	$6,173.12
GA	GRADY COUNTY	$2,571.41
GA	GREENE COUNTY	$1,692.58
GA	GRIFFIN CITY	$7,842.25
GA	HAMPTON CITY	$3,109.56
GA	HAPEVILLE CITY	$2,616.98
GA	HARLEM CITY	$2,860.45
GA	HINESVILLE CITY	$8,075.31

GA	HIRAM CITY	$629.29
GA	HOLLY SPRINGS CITY	$1,406.14
GA	JACKSON COUNTY	$5,207.92
GA	JASPER COUNTY	$3,680.19
GA	JESUP CITY	$2,603.96
GA	JOHNSON COUNTY	$946.11
GA	JONESBORO CITY	$1,525.49
GA	KINGSLAND CITY	$2,647.36
GA	LA FAYETTE CITY	$3,254.95
GA	LAGRANGE CITY	$9,027.05
GA	LAMAR COUNTY	$3,463.27
GA	LANIER COUNTY	$3,645.54
GA	LAURENS COUNTY	$5,205.75
GA	LAVONIA CITY	$2,820.96
GA	LEE COUNTY	$4,094.73
GA	LILBURN CITY	$1,909.57
GA	LOCUST GROVE CITY	$2,026.75
GA	LONG COUNTY	$8,766.66
GA	LUMPKIN COUNTY	$7,291.08
GA	MADISON CITY	$347.20
GA	MARIETTA CITY	$6,943.89
GA	MCDONOUGH CITY	$1,692.58
GA	MCINTOSH COUNTY	$4,139.43
GA	MERIWETHER COUNTY	$867.99
GA	METTER CITY	$1,735.98
GA	MILLEDGEVILLE CITY	$3,168.48
GA	MILLER COUNTY	$2,577.92
GA	MONROE CITY	$2,449.89
GA	MONROE COUNTY	$7,508.08
GA	MORGAN COUNTY	$6,672.58
GA	MOULTRIE CITY	$1,961.65
GA	MILTON CITY	$2,430.36
GA	NASHVILLE CITY	$1,662.20
GA	NEWNAN CITY	$7,811.87
GA	OAKWOOD CITY	$2,673.40
GA	OCONEE COUNTY	$3,120.41
GA	PEACH COUNTY	$1,390.95
GA	PICKENS COUNTY	$13,088.51
GA	POLK COUNTY	$5,658.58
GA	POOLER CITY	$7,509.81
GA	PORTERDALE TOWN	$2,256.77
GA	POULAN CITY	$1,052.44
GA	POWDER SPRINGS CITY	$5,305.56
GA	PUTNAM COUNTY	$2,085.77
GA	RABUN COUNTY	$3,819.14
GA	RAY CITY	$1,368.25
GA	REIDSVILLE CITY	$2,430.36

GA	RIVERDALE CITY	$3,098.71
GA	ROCKDALE COUNTY	$15,089.93
GA	ROCKMART CITY	$2,020.24
GA	ROME CITY	$5,338.11
GA	ROSWELL CITY	$11,052.06
GA	SANDERSVILLE CITY	$3,998.16
GA	SMYRNA CITY	$19,692.42
GA	SOCIAL CIRCLE CITY	$980.83
GA	ST MARYS CITY	$2,152.61
GA	STATESBORO CITY	$3,185.51
GA	STEPHENS COUNTY	$2,690.76
GA	STONE MOUNTAIN CITY	$1,385.31
GA	SUMMERVILLE CITY	$3,020.59
GA	SUMTER COUNTY	$1,896.55
GA	SYLVANIA CITY	$4,166.77
GA	TATTNALL COUNTY	$2,265.45
GA	THOMASVILLE CITY	$3,484.97
GA	TIFTON CITY	$8,669.01
GA	TOWNS COUNTY	$1,918.25
GA	TROUP COUNTY	$4,133.78
GA	TYBEE ISLAND CITY	$3,698.66
GA	TYRONE TOWN	$846.68
GA	UNION CITY	$6,770.29
GA	VALDOSTA CITY	$15,228.80
GA	VILLA RICA CITY	$4,263.98
GA	WALTON COUNTY	$6,857.09
GA	WARE COUNTY	$4,409.37
GA	WARNER ROBINS CITY	$14,647.25
GA	WAYCROSS CITY	$3,267.97
GA	WAYNE COUNTY	$2,408.66
GA	WHITE COUNTY	$4,499.64
GA	WILKES COUNTY	$5,175.80
GA	WINDER CITY	$3,795.27
GA	WOODSTOCK CITY	$5,910.98
GA	WORTH COUNTY	$10,041.18
	Totals for GA(153 Jurisdictions):	**$740,880.24**
IA	ADAIR CITY	$371.04
IA	AMES CITY	$3,727.13
IA	ANKENY CITY	$6,379.70
IA	APPANOOSE COUNTY	$611.93
IA	BELLE PLAINE CITY	$1,293.30
IA	BELLEVUE CITY	$170.35
IA	BETTENDORF CITY	$1,735.98
IA	BURLINGTON CITY	$9,257.07
IA	CARROLL CITY	$1,063.29
IA	CARTER LAKE CITY	$4,165.90
IA	CEDAR FALLS CITY	$5,546.43

IA	CHARLES CITY	$2,774.09
IA	CLARINDA CITY	$361.95
IA	CLAY COUNTY	$1,064.10
IA	CLEAR LAKE CITY	$1,345.38
IA	CLINTON CITY	$1,709.28
IA	CLINTON COUNTY	$1,880.28
IA	CLIVE CITY	$2,774.09
IA	CORALVILLE CITY	$3,033.61
IA	COUNCIL BLUFFS CITY	$1,553.70
IA	CRESCO CITY	$683.53
IA	DALLAS COUNTY	$1,464.73
IA	DE WITT CITY	$1,046.70
IA	DENISON CITY	$2,777.56
IA	DES MOINES COUNTY	$8,306.62
IA	DESOTO CITY	$967.80
IA	DUBUQUE CITY	$8,020.19
IA	DUBUQUE COUNTY	$3,814.37
IA	ESTHERVILLE CITY	$1,687.37
IA	FAYETTE CITY	$656.19
IA	FLOYD COUNTY	$530.99
IA	FOREST CITY	$4,774.79
IA	GRUNDY CENTER CITY	$1,527.66
IA	HAMPTON CITY	$1,111.89
IA	HARLAN CITY	$1,909.57
IA	HIAWATHA CITY	$2,436.01
IA	HOWARD COUNTY	$854.97
IA	HUXLEY CITY	$2,116.14
IA	INDIANOLA CITY	$1,562.38
IA	IOWA CITY CITY	$6,839.73
IA	JASPER COUNTY	$2,336.84
IA	JOHNSTON CITY	$2,030.57
IA	KEOKUK CITY	$1,917.82
IA	KNOXVILLE CITY	$1,399.20
IA	LE MARS CITY	$1,282.45
IA	MAQUOKETA CITY	$282.10
IA	MARION COUNTY	$585.89
IA	MARSHALL COUNTY	$3,471.95
IA	MARSHALLTOWN CITY	$5,127.63
IA	MASON CITY	$6,379.70
IA	MONONA CITY	$295.53
IA	MONROE COUNTY	$461.55
IA	MOUNT VERNON CITY	$768.17
IA	MUSCATINE CITY	$1,232.76
IA	MUSCATINE COUNTY	$8,703.29
IA	MUSCATINE COUNTY CONSERVATION BOARD	$705.68
IA	NEW HAMPTON CITY	$657.50
IA	NORTH LIBERTY CITY	$1,629.65

IA	OELWEIN CITY	$1,670.88
IA	OSCEOLA COUNTY	$547.70
IA	OSKALOOSA CITY	$2,994.51
IA	OTTUMWA CITY	$3,754.04
IA	PALO ALTO COUNTY	$2,168.23
IA	PAULLINA CITY	$488.66
IA	PELLA CITY	$792.04
IA	PERRY CITY	$897.07
IA	PLYMOUTH COUNTY	$3,380.81
IA	POLK CITY	$1,801.07
IA	POSTVILLE CITY	$1,907.84
IA	POTTAWATTAMIE COUNTY	$9,980.39
IA	SHELDON CITY	$2,622.95
IA	SIGOURNEY CITY	$307.71
IA	SIOUX CITY	$8,549.66
IA	STORY COUNTY	$4,550.85
IA	TAMA COUNTY	$1,410.48
IA	URBANDALE CITY	$2,050.62
IA	WARREN COUNTY	$624.95
IA	WASHINGTON CITY	$391.02
IA	WATERLOO CITY	$7,661.71
IA	WAVERLY CITY	$3,923.04
IA	WEST DES MOINES CITY	$10,056.05
IA	WINDSOR HEIGHTS CITY	$633.63
	Totals for IA(82 Jurisdictions):	**$216,341.98**
ID	ADAMS COUNTY	$6,858.13
ID	BANNOCK COUNTY	$12,781.95
ID	BINGHAM COUNTY	$17,879.20
ID	BLACKFOOT CITY	$4,338.36
ID	BONNER COUNTY	$2,340.16
ID	BUHL CITY	$2,249.24
ID	CARIBOU COUNTY	$2,495.46
ID	CLEARWATER COUNTY	$5,985.20
ID	COEUR D ALENE CITY	$4,684.52
ID	FREMONT COUNTY	$5,179.27
ID	FRUITLAND CITY	$1,636.16
ID	GARDEN CITY	$2,430.36
ID	GOODING CITY	$2,310.36
ID	IDAHO COUNTY	$1,315.00
ID	IDAHO FALLS CITY	$6,943.89
ID	JEFFERSON COUNTY	$2,009.39
ID	LATAH COUNTY	$2,083.17
ID	MADISON COUNTY	$1,041.59
ID	MCCALL CITY	$1,301.98
ID	MOSCOW CITY	$4,556.93
ID	MOUNTAIN HOME CITY	$6,455.64
ID	NAMPA CITY	$4,383.33

ID	NEZ PERCE COUNTY	$2,228.56
ID	OWYHEE COUNTY	$6,470.40
ID	PAYETTE CITY	$820.25
ID	PINEHURST CITY	$693.96
ID	POCATELLO CITY	$7,686.01
ID	PONDERAY CITY	$731.46
ID	POST FALLS CITY	$2,833.98
ID	RATHDRUM CITY	$1,139.24
ID	REXBURG CITY	$5,607.19
ID	RUPERT CITY	$1,395.73
ID	SALMON CITY	$3,009.44
ID	SANDPOINT CITY	$3,250.61
ID	SHOSHONE CITY	$2,139.59
ID	SHOSHONE COUNTY	$4,155.92
ID	SODA SPRINGS CITY	$2,777.45
ID	ST ANTHONY CITY	$1,131.42
ID	SUN VALLEY CITY	$1,521.91
ID	TWIN FALLS CITY	$7,751.11
ID	VALLEY COUNTY	$3,601.28
	Totals for ID(41 Jurisdictions):	**$160,204.80**
IL	ADDISON VILLAGE	$6,149.68
IL	ALBERS VILLAGE	$1,735.98
IL	ALGONQUIN VILLAGE	$4,144.63
IL	ALSIP VILLAGE	$1,666.54
IL	ALTON CITY	$4,929.29
IL	ANTIOCH VILLAGE	$1,518.98
IL	ARLINGTON HEIGHTS VILLAGE	$8,801.37
IL	BANNOCKBURN VILLAGE	$1,735.98
IL	BARRINGTON HILLS VILLAGE	$1,358.32
IL	BARRINGTON VILLAGE	$5,815.51
IL	BARTLETT VILLAGE	$6,588.01
IL	BATAVIA CITY	$4,257.47
IL	BEARDSTOWN CITY	$3,155.79
IL	BEDFORD PARK VILLAGE	$2,083.17
IL	BEECHER VILLAGE	$1,705.60
IL	BELLWOOD VILLAGE	$4,192.37
IL	BELVIDERE CITY	$5,110.27
IL	BENSENVILLE VILLAGE	$3,832.32
IL	BERKELEY VILLAGE	$1,415.43
IL	BERWYN CITY	$4,756.56
IL	BLOOMINGDALE VILLAGE	$3,157.74
IL	BLOOMINGTON CITY	$6,673.94
IL	BLUE ISLAND CITY	$1,770.69
IL	BOONE COUNTY	$4,773.92
IL	BOURBONNAIS VILLAGE	$4,860.72
IL	BRADLEY VILLAGE	$3,254.95
IL	BRIDGEVIEW VILLAGE	$1,809.75

IL	BROADVIEW VILLAGE	$1,430.01
IL	BROOKFIELD VILLAGE	$2,430.36
IL	BURBANK CITY	$2,176.56
IL	BURR RIDGE VILLAGE	$2,083.17
IL	CAHOKIA VILLAGE	$2,682.08
IL	CAIRO CITY	$1,934.93
IL	CAMBRIA VILLAGE	$1,041.59
IL	CAMPTON HILLS VILLAGE	$2,564.90
IL	CANTON CITY	$1,028.57
IL	CARLINVILLE CITY	$6,423.10
IL	CAROL STREAM VILLAGE	$5,009.58
IL	CARPENTERSVILLE VILLAGE	$2,666.67
IL	CASEY CITY	$918.84
IL	CENTRALIA CITY	$1,996.37
IL	CHAMPAIGN CITY	$26,470.52
IL	CHARLESTON CITY	$3,017.56
IL	CHATHAM VILLAGE	$3,317.88
IL	CHENOA CITY	$1,401.80
IL	CHRISTIAN COUNTY	$3,211.55
IL	CICERO TOWN	$14,842.55
IL	CLARENDON HILLS VILLAGE	$1,388.78
IL	CLINTON CITY	$1,301.98
IL	COAL CITY VILLAGE	$1,833.06
IL	COAL VALLEY VILLAGE	$511.03
IL	COLES COUNTY	$733.84
IL	COLLINSVILLE CITY	$7,399.58
IL	COLONA CITY	$511.03
IL	CRAWFORD COUNTY	$1,015.53
IL	CREST HILL CITY	$2,566.20
IL	CREVE COEUR VILLAGE	$2,083.17
IL	CRYSTAL LAKE CITY	$3,818.05
IL	DANVERS VILLAGE	$650.99
IL	DANVILLE CITY	$6,726.89
IL	DARIEN CITY	$3,040.12
IL	DE KALB CITY	$3,819.14
IL	DECATUR CITY	$15,098.61
IL	DEERFIELD VILLAGE	$2,740.90
IL	DELAVAN CITY	$2,560.56
IL	DES PLAINES CITY	$2,973.94
IL	DIXON CITY	$3,107.39
IL	DOLTON VILLAGE	$13,193.38
IL	DOWNERS GROVE VILLAGE	$6,075.90
IL	DU QUOIN CITY	$2,187.33
IL	DWIGHT VILLAGE	$4,166.33
IL	EAST ALTON VILLAGE	$703.51
IL	EAST DUNDEE VILLAGE	$1,362.74
IL	EAST HAZEL CREST VILLAGE	$1,679.56

IL	EAST MOLINE CITY	$2,739.15
IL	EAST PEORIA CITY	$6,141.00
IL	EDWARDSVILLE	$2,354.41
IL	EFFINGHAM CITY	$4,129.88
IL	ELBURN VILLAGE	$1,053.31
IL	ELK GROVE VILLAGE	$7,495.06
IL	ELMWOOD PARK VILLAGE	$4,426.73
IL	EVANSTON CITY	$10,068.63
IL	FAIRVIEW HEIGHTS CITY	$4,617.69
IL	FLOSSMOOR VILLAGE	$960.32
IL	FOREST PARK VILLAGE	$3,341.75
IL	FOREST VIEW VILLAGE	$690.05
IL	FOX LAKE VILLAGE	$2,430.36
IL	FOX RIVER GROVE VILLAGE	$1,279.37
IL	FRANKFORT VILLAGE	$1,857.49
IL	FRANKLIN COUNTY	$6,249.50
IL	FRANKLIN GROVE VILLAGE	$397.11
IL	FRANKLIN PARK VILLAGE	$8,332.66
IL	FREEPORT CITY	$1,198.91
IL	GALESBURG CITY	$4,553.02
IL	GENESEO CITY	$851.72
IL	GENEVA CITY	$2,278.47
IL	GIBSON CITY	$309.44
IL	GLEN CARBON VILLAGE	$2,187.33
IL	GLEN ELLYN VILLAGE	$3,055.31
IL	GLENCOE VILLAGE	$2,300.17
IL	GLENDALE HEIGHTS VILLAGE	$3,577.19
IL	GRANITE CITY	$293.84
IL	GRANT PARK VILLAGE	$512.12
IL	GRANTFORK VILLAGE	$1,497.28
IL	GRANVILLE VILLAGE	$839.45
IL	GREENVILLE CITY	$785.53
IL	GRUNDY COUNTY	$12,143.12
IL	GURNEE VILLAGE	$3,450.25
IL	HANOVER PARK VILLAGE	$4,171.54
IL	HARWOOD HEIGHTS VILLAGE	$7,495.06
IL	HAWTHORNE WOODS VILLAGE	$1,388.78
IL	HENRY CITY	$519.71
IL	HENRY COUNTY	$1,240.03
IL	HIGHLAND CITY	$1,380.10
IL	HIGHLAND PARK CITY	$603.25
IL	HILLSBORO CITY	$3,124.75
IL	HINSDALE VILLAGE	$2,083.79
IL	HOFFMAN ESTATES VILLAGE	$3,247.35
IL	HOMETOWN CITY	$5,460.66
IL	HOMEWOOD VILLAGE	$3,179.43
IL	HOOPESTON CITY	$3,962.31

IL	HUNTLEY VILLAGE	$2,022.41
IL	HURST CITY	$347.63
IL	ITASCA VILLAGE	$1,039.42
IL	JACKSON COUNTY	$8,406.44
IL	JACKSONVILLE CITY	$5,148.18
IL	JOHNSTON CITY	$1,735.98
IL	KANKAKEE CITY	$3,066.16
IL	KENILWORTH VILLAGE	$2,426.69
IL	KEWANEE CITY	$1,562.38
IL	KILDEER VILLAGE	$1,171.78
IL	KINMUNDY CITY	$351.73
IL	KNOX COUNTY	$1,859.66
IL	LA GRANGE VILLAGE	$1,514.64
IL	LA SALLE CITY	$4,110.59
IL	LAKE BLUFF VILLAGE	$1,362.74
IL	LAKE IN THE HILLS VILLAGE	$2,625.66
IL	LAKE VILLA VILLAGE	$2,083.17
IL	LAKE ZURICH VILLAGE	$2,595.28
IL	LAKEMOOR VILLAGE	$1,508.13
IL	LANSING VILLAGE	$3,450.25
IL	LE ROY CITY	$1,150.51
IL	LEE COUNTY	$3,836.50
IL	LEMONT VILLAGE	$1,219.96
IL	LIBERTYVILLE VILLAGE	$3,450.25
IL	LINCOLN CITY	$1,619.73
IL	LINCOLNSHIRE VILLAGE	$2,224.22
IL	LINCOLNWOOD VILLAGE	$2,899.08
IL	LINDENHURST VILLAGE	$2,502.41
IL	LISLE VILLAGE	$4,166.33
IL	LITCHFIELD CITY	$343.11
IL	LOCKPORT CITY	$3,871.65
IL	LOGAN COUNTY	$6,943.89
IL	LOVES PARK CITY	$1,022.06
IL	MACOMB CITY	$1,269.87
IL	MADISON CITY	$1,277.25
IL	MANHATTAN VILLAGE	$611.72
IL	MANTENO VILLAGE	$347.20
IL	MARENGO CITY	$1,735.98
IL	MARINE VILLAGE	$2,142.42
IL	MARSHALL COUNTY	$694.39
IL	MARYVILLE VILLAGE	$642.31
IL	MASCOUTAH CITY	$1,040.72
IL	MASON COUNTY	$677.03
IL	MASSAC COUNTY	$5,210.25
IL	MATTOON CITY	$689.19
IL	MAYWOOD VILLAGE	$13,605.67
IL	MCHENRY CITY	$3,493.65

IL	MENDOTA CITY	$1,829.28
IL	MILAN VILLAGE	$1,638.83
IL	MINOOKA VILLAGE	$1,627.48
IL	MOKENA VILLAGE	$4,901.28
IL	MOLINE CITY	$3,917.87
IL	MOMENCE CITY	$1,529.83
IL	MONTGOMERY COUNTY	$2,257.63
IL	MONTGOMERY VILLAGE	$2,525.84
IL	MORRIS CITY	$976.49
IL	MORTON GROVE VILLAGE	$3,471.95
IL	MORTON VILLAGE	$2,487.73
IL	MOULTRIE COUNTY	$1,041.59
IL	MOUNT PROSPECT VILLAGE	$1,843.61
IL	MOUNT ZION VILLAGE	$1,320.25
IL	MUNDELEIN VILLAGE	$6,210.44
IL	MURPHYSBORO CITY	$1,372.38
IL	MCCLURE VILLAGE	$1,022.06
IL	NASHVILLE CITY	$3,144.28
IL	NEOGA CITY	$420.96
IL	NEW ATHENS VILLAGE	$694.39
IL	NEW LENOX VILLAGE	$1,385.95
IL	NEWTON CITY	$677.03
IL	NILES VILLAGE	$3,471.95
IL	NORMAL TOWN	$8,944.59
IL	NORTH AURORA VILLAGE	$1,380.10
IL	NORTH RIVERSIDE VILLAGE	$2,083.17
IL	NORTH UTICA VILLAGE	$373.48
IL	NORTHFIELD VILLAGE	$2,128.74
IL	OAK BROOK VILLAGE	$4,131.61
IL	OAK FOREST CITY	$1,898.72
IL	OAK LAWN VILLAGE	$9,634.64
IL	OAK PARK VILLAGE	$2,167.80
IL	OAKBROOK TERRACE CITY	$1,473.41
IL	OAKWOOD HILLS VILLAGE	$2,444.08
IL	OGLE COUNTY	$21,352.44
IL	OLYMPIA FIELDS VILLAGE	$1,475.58
IL	ORLAND PARK VILLAGE	$9,652.00
IL	OSWEGO VILLAGE	$930.92
IL	PALATINE VILLAGE	$935.26
IL	PALESTINE VILLAGE	$346.77
IL	PALOS HEIGHTS CITY	$1,714.28
IL	PALOS HILL CITY	$4,715.33
IL	PARK FOREST VILLAGE	$4,459.28
IL	PARK RIDGE CITY	$2,925.12
IL	PEKIN CITY	$4,935.80
IL	PINGREE GROVE VILLAGE	$3,888.58
IL	PLAINFIELD VILLAGE	$2,282.81

IL	PLANO CITY	$1,430.01
IL	PLEASANT PLAINS VILLAGE	$1,301.98
IL	PONTOON BEACH VILLAGE	$694.39
IL	PROSPECT HEIGHTS CITY	$3,124.75
IL	PULASKI COUNTY	$3,981.15
IL	QUINCY CITY	$3,520.44
IL	RANTOUL VILLAGE	$3,819.14
IL	RICHLAND COUNTY	$1,432.18
IL	RICHMOND VILLAGE	$1,323.68
IL	RICHTON PARK VILLAGE	$2,009.42
IL	RIDGE FARM VILLAGE	$401.45
IL	RIVER FOREST VILLAGE	$3,819.14
IL	RIVER GROVE VILLAGE	$2,673.40
IL	RIVERDALE VILLAGE	$4,890.50
IL	RIVERSIDE VILLAGE	$441.38
IL	RIVERWOODS VILLAGE	$693.96
IL	ROBINSON	$3,723.66
IL	ROCHESTER VILLAGE	$1,061.12
IL	ROCK FALLS CITY	$858.82
IL	ROCK ISLAND CITY	$5,389.76
IL	ROLLING MEADOWS CITY	$3,406.85
IL	ROMEOVILLE VILLAGE	$5,207.92
IL	ROSELLE VILLAGE	$1,926.93
IL	ROSEMONT VILLAGE	$5,164.52
IL	ROUND LAKE BEACH VILLAGE	$1,330.19
IL	ROUND LAKE PARK VILLAGE	$1,735.98
IL	ROUND LAKE VILLAGE	$993.85
IL	SANDWICH CITY	$1,566.98
IL	SAUGET VILLAGE	$3,124.75
IL	SAVANNA CITY	$688.74
IL	SCHAUMBURG VILLAGE	$7,846.59
IL	SCHILLER PARK VILLAGE	$1,735.98
IL	SHERMAN VILLAGE	$1,714.28
IL	SHILOH VILLAGE	$1,790.22
IL	SHOREWOOD VILLAGE	$4,253.13
IL	SKOKIE VILLAGE	$4,270.49
IL	SOUTH BARRINGTON VILLAGE	$1,378.80
IL	SOUTH HOLLAND VILLAGE	$9,830.37
IL	SPRING GROVE VILLAGE	$1,237.75
IL	ST.CHARLES CITY	$8,840.43
IL	STANFORD VILLAGE	$332.00
IL	STEPHENSON COUNTY	$1,913.70
IL	STERLING CITY	$1,790.22
IL	STREAMWOOD VILLAGE	$3,346.09
IL	SUMMIT VILLAGE	$5,460.50
IL	SWANSEA VILLAGE	$1,376.63
IL	SYCAMORE CITY	$3,780.08

IL	SHANNON VILLAGE	$860.53
IL	TAYLORVILLE CITY	$2,972.85
IL	THORNTON VILLAGE	$976.49
IL	TUSCOLA CITY	$733.45
IL	UNION COUNTY	$1,952.97
IL	UNION VILLAGE	$340.69
IL	URBANA CITY	$6,818.27
IL	VERNON HILLS VILLAGE	$3,819.14
IL	VIENNA CITY	$1,345.38
IL	VILLA PARK VILLAGE	$3,124.75
IL	VILLAGE OF LAGRANGE PARK	$1,041.59
IL	WASHINGTON CITY	$5,207.92
IL	WASHINGTON COUNTY	$2,781.01
IL	WATSEKA CITY	$1,603.59
IL	WAUCONDA VILLAGE	$692.22
IL	WAUKEGAN CITY	$16,943.08
IL	WAYNE COUNTY	$3,118.24
IL	WEST CHICAGO CITY	$4,676.71
IL	WEST DUNDEE VILLAGE	$2,281.07
IL	WESTERN SPRINGS VILLAGE	$1,041.59
IL	WHEATON CITY	$3,471.95
IL	WHEELING VILLAGE	$4,891.10
IL	WILLOWBROOK VILLAGE	$1,516.81
IL	WILMETTE VILLAGE	$2,277.60
IL	WILMINGTON CITY	$993.85
IL	WINNEBAGO VILLAGE	$341.12
IL	WINNETKA VILLAGE	$1,025.73
IL	WINTHROP HARBOR VILLAGE	$2,472.03
IL	WOOD DALE CITY	$1,820.60
IL	WOODRIDGE VILLAGE	$4,379.29
IL	WOODSTOCK CITY	$1,022.06
IL	YORKVILLE CITY	$3,723.66
IL	ZION CITY	$3,067.68
	Totals for IL(295 Jurisdictions):	**$916,496.69**
IN	ALBION TOWN	$3,090.03
IN	ALEXANDRIA CITY	$3,135.60
IN	ANDERSON CITY	$9,118.19
IN	ANGOLA CITY	$2,853.51
IN	ATTICA CITY	$3,515.34
IN	AVON TOWN	$3,714.98
IN	BARTHOLOMEW COUNTY	$33,882.67
IN	BATESVILLE CITY	$1,113.63
IN	BEDFORD CITY	$10,025.23
IN	BLUFFTON CITY	$1,842.30
IN	BOONE COUNTY	$12,151.80
IN	BOURBON TOWN	$982.11
IN	BREMEN TOWN	$1,041.59

IN	BRISTOL TOWN	$2,036.30
IN	BROWNSBURG TOWN	$3,589.12
IN	CARMEL CITY	$7,377.88
IN	CASS COUNTY	$2,569.46
IN	CEDAR LAKE TOWN	$347.20
IN	CHARLESTOWN CITY	$7,382.22
IN	CHESTERFIELD TOWN	$2,777.56
IN	CHESTERTON TOWN	$3,585.65
IN	CLINTON COUNTY	$6,723.85
IN	COLUMBIA CITY	$1,714.28
IN	COLUMBUS CITY	$13,614.35
IN	CONNERSVILLE CITY	$1,844.47
IN	CROWN POINT CITY	$2,499.80
IN	DYER TOWN	$2,128.47
IN	EAST CHICAGO CITY	$6,596.69
IN	ELBERFELD TOWN	$690.05
IN	ELKHART CITY	$5,728.71
IN	ELLETTSVILLE TOWN	$4,166.33
IN	FAYETTE COUNTY	$4,426.73
IN	FISHERS TOWN	$4,945.78
IN	FORTVILLE TOWN	$4,368.14
IN	FRANKLIN COUNTY	$1,312.77
IN	GARY CITY	$3,834.33
IN	GOSHEN CITY	$3,768.06
IN	GRANT COUNTY	$7,638.27
IN	GREENDALE CITY	$364.55
IN	GREENTOWN TOWN	$1,356.23
IN	GREENWOOD CITY	$7,607.86
IN	GRIFFITH TOWN	$1,616.63
IN	HANCOCK COUNTY	$4,697.49
IN	HAUBSTADT TOWN	$470.45
IN	HIGHLAND TOWN	$2,213.37
IN	HOBART CITY	$2,441.21
IN	HOMECROFT TOWN	$2,178.62
IN	HUNTINGBURG CITY	$2,415.17
IN	HUNTINGTON CITY	$4,457.11
IN	HUNTINGTON COUNTY	$1,110.59
IN	JAY COUNTY	$6,603.20
IN	JEFFERSONVILLE CITY	$2,245.81
IN	JENNINGS COUNTY	$14,017.97
IN	KENDALLVILLE CITY	$3,280.99
IN	KNOX COUNTY	$3,430.69
IN	KOKOMO CITY	$10,415.70
IN	LAFAYETTE CITY	$6,146.64
IN	LAGRANGE COUNTY	$6,607.54
IN	LAKEVILLE TOWN	$3,471.95
IN	LAPORTE CITY	$7,406.17

IN	LAWRENCE CITY	$7,176.51
IN	LAWRENCE COUNTY	$10,450.43
IN	LAWRENCEBURG CITY	$2,754.99
IN	LEBANON CITY	$5,208.13
IN	LIGONIER CITY	$2,818.79
IN	LOGANSPORT CITY	$5,129.80
IN	LOGOOTEE CITY	$848.88
IN	LOWELL TOWN	$1,410.48
IN	LEAVENWORTH TOWN	$1,106.69
IN	MADISON CITY	$1,510.30
IN	MARION CITY	$8,088.98
IN	MARKLE TOWN	$716.09
IN	MARTINSVILLE CITY	$2,744.52
IN	MERRILLVILLE TOWN	$5,250.96
IN	MONROVIA TOWN	$2,777.56
IN	MONTGOMERY COUNTY	$3,181.00
IN	MONTICELLO CITY	$1,643.10
IN	MOORESVILLE TOWN	$4,439.70
IN	MORGAN COUNTY	$13,319.09
IN	MUNCIE CITY	$12,685.61
IN	MUNSTER TOWN	$3,035.39
IN	NEW CHICAGO TOWN	$3,509.85
IN	NEW HAVEN CITY	$2,847.00
IN	NEWBURGH TOWN	$347.20
IN	NEWTON COUNTY	$2,224.22
IN	NOBLESVILLE CITY	$4,634.39
IN	NORTH MANCHESTER TOWN	$598.91
IN	NORTH VERNON CITY	$1,291.64
IN	NORTH WEBSTER TOWN	$312.48
IN	OSSIAN TOWN	$624.95
IN	PENDLETON TOWN	$2,603.96
IN	PERU CITY	$2,080.57
IN	PIKE COUNTY	$4,274.83
IN	PIKE TOWNSHIP	$321.16
IN	PITTSBORO TOWN	$2,094.02
IN	PLAINFIELD TOWN	$1,540.85
IN	PLYMOUTH CITY	$2,413.00
IN	PORTAGE CITY	$5,392.80
IN	PORTLAND CITY	$2,115.72
IN	POSEY COUNTY	$1,735.98
IN	ROCKPORT CITY	$2,669.06
IN	RUSHVILLE CITY	$1,493.89
IN	SCHERERVILLE TOWN	$2,763.67
IN	SCOTT COUNTY	$6,041.18
IN	SCOTTSBURG CITY	$727.78
IN	SHELBY COUNTY	$5,663.16
IN	SOUTH WHITLEY TOWN	$2,820.96

IN	SOUTHPORT CITY	$17,359.71
IN	SPEEDWAY TOWN	$10,845.48
IN	ST JOHN TOWN	$4,795.62
IN	STEUBEN COUNTY GOVERNMENT	$4,405.03
IN	TERRE HAUTE CITY	$1,937.87
IN	TIPTON CITY	$1,540.68
IN	TOPEKA TOWN	$646.63
IN	TRAFALGAR TOWN	$3,471.95
IN	VALPARAISO CITY	$1,692.58
IN	VEVAY TOWN	$3,028.41
IN	VINCENNES CITY	$5,450.95
IN	WAYNE COUNTY	$22,914.81
IN	WEST LAFAYETTE CITY	$1,935.72
IN	WHITESTOWN TOWN	$2,756.24
IN	WHITLEY COUNTY	$6,216.95
IN	ZIONSVILLE TOWN	$4,242.28
	Totals for IN(123 Jurisdictions):	**$539,370.53**
KS	ABILENE CITY	$381.48
KS	ALLEN COUNTY	$1,184.48
KS	ANDERSON COUNTY	$699.17
KS	ANDOVER CITY	$2,290.59
KS	ARKANSAS CITY	$4,322.57
KS	ATCHISON COUNTY	$1,030.72
KS	ATWOOD CITY	$434.00
KS	AUGUSTA CITY	$1,236.88
KS	BALDWIN CITY	$284.27
KS	BASEHOR CITY	$1,603.61
KS	BEL AIRE CITY	$1,571.05
KS	BELLE PLAINE CITY	$1,979.01
KS	BELOIT CITY	$954.79
KS	BENTON CITY	$2,430.36
KS	BONNER SPRINGS CITY	$2,375.25
KS	BURLINGTON CITY	$1,453.88
KS	BUTLER COUNTY	$5,518.45
KS	CHANUTE CITY	$2,015.64
KS	CHENEY CITY	$564.04
KS	COLBY CITY	$1,410.48
KS	COWLEY COUNTY	$2,532.79
KS	CRAWFORD COUNTY	$1,727.27
KS	DERBY CITY	$3,628.18
KS	DODGE CITY	$4,049.16
KS	EDWARDS COUNTY	$2,413.74
KS	EL DORADO CITY	$3,409.67
KS	ELLINWOOD CITY	$918.98
KS	ELLSWORTH CITY	$1,336.62
KS	EMPORIA CITY	$6,256.01
KS	FAIRWAY CITY	$1,289.67

KS	FORD COUNTY	$5,147.15
KS	FORT SCOTT CITY	$2,562.30
KS	FRANKLIN COUNTY	$2,690.76
KS	FRONTENAC CITY	$1,513.06
KS	GALENA CITY	$720.43
KS	GARDEN CITY	$7,984.38
KS	GARNETT CITY	$1,019.89
KS	GODDARD CITY	$434.00
KS	GOODLAND CITY	$1,731.17
KS	HALSTEAD CITY	$822.42
KS	HAYS CITY	$7,091.44
KS	HAYSVILLE CITY	$5,334.06
KS	HESSTON CITY	$1,387.05
KS	HORTON CITY	$1,193.48
KS	HUTCHINSON CITY	$5,909.25
KS	IOLA CITY	$689.19
KS	JEWELL COUNTY	$733.24
KS	JUNCTION CITY	$3,537.04
KS	LANSING CITY	$497.36
KS	LARNED CITY	$1,037.25
KS	LAWRENCE CITY	$14,512.72
KS	LEAVENWORTH CITY	$2,165.63
KS	LEAVENWORTH COUNTY	$6,291.64
KS	LEAWOOD CITY	$10,289.97
KS	LENEXA CITY	$5,589.83
KS	LIBERAL CITY	$3,800.56
KS	LINN VALLEY CITY	$1,735.98
KS	LOUISBURG CITY	$694.39
KS	LYON COUNTY	$1,139.24
KS	MAIZE CITY	$3,471.95
KS	MARYSVILLE CITY	$1,280.28
KS	MCPHERSON CITY	$2,083.17
KS	MCPHERSON COUNTY	$1,703.43
KS	MERRIAM CITY	$4,253.13
KS	MORAN CITY	$347.20
KS	MORTON COUNTY	$3,471.49
KS	MOUNDRIDGE CITY	$723.61
KS	NEWTON CITY	$5,188.65
KS	OAKLEY CITY	$2,274.56
KS	OSAGE CITY	$1,104.08
KS	PAOLA CITY	$1,032.91
KS	PARK CITY	$2,167.26
KS	PITTSBURG CITY	$1,796.99
KS	PRAIRIE VILLAGE CITY	$4,995.26
KS	RENO COUNTY	$1,933.44
KS	REPUBLIC COUNTY	$3,484.96
KS	RILEY COUNTY	$4,131.61

KS	ROELAND PARK CITY	$2,695.92
KS	ROOKS COUNTY	$335.81
KS	ROSE HILL CITY	$1,998.54
KS	SAC AND FOX NATION OF MISSOURI IN KANSAS AND NEBRASKA	$2,605.55
KS	SALINA CITY	$7,707.71
KS	SALINE COUNTY	$5,278.22
KS	SHAWNEE CITY	$4,509.19
KS	SOUTH HUTCHINSON CITY	$694.39
KS	SPRING HILL CITY	$3,124.75
KS	STERLING CITY	$1,171.78
KS	STOCKTON CITY	$2,014.82
KS	THOMAS COUNTY	$1,586.25
KS	TONGANOXIE CITY	$1,237.75
KS	TREGO COUNTY	$1,388.78
KS	VALLEY CENTER CITY	$2,117.89
KS	WA KEENEY CITY	$1,038.31
KS	WESTWOOD CITY	$325.07
KS	WINFIELD CITY	$4,860.72
	Totals for KS(95 Jurisdictions):	**$249,693.12**
KY	BELLEVUE CITY	$1,249.90
KY	BEREA CITY	$4,632.44
KY	BOWLING GREEN CITY	$12,531.54
KY	CAMPBELL COUNTY	$7,575.35
KY	CAMPBELLSVILLE CITY	$1,260.32
KY	COVINGTON CITY	$18,985.44
KY	DAYTON CITY	$1,518.98
KY	EDDYVILLE CITY	$737.79
KY	ELIZABETHTOWN CITY	$1,692.58
KY	ELSMERE CITY	$594.57
KY	ERLANGER CITY	$6,249.50
KY	FLORENCE CITY	$4,231.43
KY	FORT THOMAS CITY	$1,679.56
KY	GEORGETOWN CITY	$7,025.96
KY	GLASGOW CITY	$2,621.32
KY	HENDERSON CITY	$6,249.50
KY	HENDERSON COUNTY	$27,942.62
KY	INDEPENDENCE CITY	$2,111.38
KY	JEFFERSONTOWN CITY	$2,729.82
KY	MADISONVILLE CITY	$2,082.30
KY	MAYSVILLE CITY	$4,313.89
KY	MIDDLESBOROUGH CITY	$3,560.74
KY	MOREHEAD CITY	$1,839.25
KY	MURRAY CITY	$1,149.65
KY	NICHOLASVILLE CITY	$3,825.65
KY	OWENSBORO CITY	$4,921.05
KY	PADUCAH CITY	$4,367.71
KY	PIKEVILLE CITY	$1,476.15

KY	RADCLIFF CITY	$3,281.86
KY	RICHMOND CITY	$2,456.84
KY	SHELBYVILLE CITY	$2,643.02
KY	SOMERSET CITY	$4,713.53
KY	TAYLOR MILL CITY	$694.39
KY	VILLA HILLS CITY	$991.68
KY	WILMORE CITY	$347.20
	Totals for KY(35 Jurisdictions):	**$154,284.91**
LA	ABBEVILLE CITY	$5,609.23
LA	ACADIA PARISH	$8,436.82
LA	ALEXANDRIA CITY	$8,256.71
LA	ASSUMPTION PARISH	$3,254.95
LA	AVOYELLES PARISH	$3,788.14
LA	BALDWIN TOWN	$1,867.84
LA	BALL TOWN	$3,201.91
LA	BASTROP CITY	$7,095.78
LA	BERWICK TOWN	$3,632.52
LA	BOGALUSA CITY	$4,392.01
LA	BOSSIER CITY	$6,878.79
LA	BREAUX BRIDGE CITY	$3,731.79
LA	BROUSSARD TOWN	$2,799.26
LA	CAMERON PARISH	$14,059.19
LA	CARENCRO CITY	$3,121.28
LA	COVINGTON CITY	$4,823.83
LA	DE RIDDER CITY	$2,580.52
LA	DENHAM SPRINGS CITY	$2,777.56
LA	FRANKLIN CITY	$778.59
LA	GREENWOOD TOWN	$1,704.24
LA	GRETNA CITY	$13,887.77
LA	HAMMOND CITY	$13,757.57
LA	HAUGHTON TOWN	$2,288.49
LA	HOUMA CITY	$6,741.11
LA	IBERVILLE PARISH	$20,146.42
LA	INDEPENDENCE TOWN	$3,124.75
LA	JEFFERSON DAVIS PARISH SHERIFF	$4,765.24
LA	JENNINGS CITY	$7,230.32
LA	KENNER CITY	$13,202.06
LA	KINDER TOWN	$1,018.15
LA	LAFOURCHE PARISH SHERIFF'S OFFICE	$5,365.24
LA	LAKE CHARLES CITY	$4,545.64
LA	LAKE CHARLES HARBOR TERMINAL DIST	$1,573.23
LA	MANDEVILLE CITY	$5,303.39
LA	MANSFIELD CITY	$4,735.17
LA	MARKSVILLE CITY	$7,638.27
LA	MONROE CITY	$6,548.95
LA	MOREHOUSE PARISH	$568.17
LA	MORGAN CITY	$4,614.08

LA	NATCHITOCHES CITY	$3,432.02
LA	NATCHITOCHES PARISH	$11,700.88
LA	PINEVILLE CITY	$7,052.38
LA	PLAQUEMINES PARISH	$6,588.01
LA	POINTE COUPEE PARISH	$3,056.18
LA	PORT ALLEN CITY	$4,312.03
LA	RAYNE CITY	$3,230.91
LA	SLIDELL CITY	$10,457.49
LA	ST JOHN THE BAPTIST PARISH SHERIFF'S OFFICE	$7,770.64
LA	ST LANDRY PARISH SHERIFF DEPARTMENT	$4,392.01
LA	ST MARTIN PARISH	$22,289.86
LA	ST MARY PARISH	$9,463.86
LA	THIBODAUX CITY	$2,415.61
LA	UNION PARISH	$281.23
LA	WALKER TOWN	$2,812.28
LA	WEST MONROE CITY	$6,943.89
LA	YOUNGSVILLE TOWN	$1,687.37
	Totals for LA(56 Jurisdictions):	**$327,731.63**
MA	ABINGTON TOWN	$1,380.10
MA	ACUSHNET TOWN	$2,070.15
MA	AMESBURY TOWN	$4,166.33
MA	AMHERST TOWN	$4,248.79
MA	ARLINGTON TOWN	$5,049.51
MA	ASHBURNHAM TOWN	$1,165.28
MA	ASHBY TOWN	$976.36
MA	ASHLAND TOWN	$4,033.97
MA	ATTLEBORO CITY	$5,437.93
MA	BARNSTABLE CITY	$10,415.83
MA	BARRE TOWN	$1,663.06
MA	BEDFORD TOWN	$3,124.75
MA	BELCHERTOWN TOWN	$3,476.29
MA	BELMONT TOWN	$6,249.50
MA	BERKLEY TOWN	$1,782.85
MA	BERLIN TOWN	$6,528.56
MA	BEVERLY CITY	$25,475.37
MA	BILLERICA TOWN	$3,471.95
MA	BLACKSTONE TOWN	$606.73
MA	BOLTON TOWN	$2,710.72
MA	BOURNE TOWN	$8,679.86
MA	BOXBOROUGH TOWN	$3,819.14
MA	BOXFORD TOWN	$2,070.15
MA	BRAINTREE TOWN	$16,140.19
MA	BRIDGEWATER TOWN	$3,471.95
MA	BROCKTON CITY	$14,015.80
MA	CANTON TOWN	$5,826.36
MA	CARVER TOWN	$1,007.08
MA	CHARLTON TOWN	$7,685.39

MA	CHATHAM TOWN	$2,430.36
MA	CHELSEA CITY	$20,882.86
MA	CHICOPEE CITY	$23,956.40
MA	CHILMARK TOWN	$1,432.18
MA	CLARKSBURG TOWN	$2,083.17
MA	COHASSET TOWN	$3,090.03
MA	DALTON TOWN	$1,725.13
MA	DARTMOUTH TOWN	$5,207.92
MA	DEDHAM TOWN	$6,555.46
MA	DEERFIELD TOWN	$2,742.84
MA	DENNIS TOWN	$10,363.75
MA	DOVER TOWN	$1,527.55
MA	DUKES COUNTY	$1,553.70
MA	DUXBURY TOWN	$7,985.47
MA	EAST LONGMEADOW TOWN	$2,977.19
MA	EASTHAM TOWN	$4,010.10
MA	EASTHAMPTON TOWN	$718.70
MA	EASTON TOWN	$1,035.08
MA	EVERETT CITY	$4,442.14
MA	FAIRHAVEN TOWN	$739.96
MA	FALL RIVER CITY	$34,502.42
MA	FALMOUTH TOWN	$6,318.38
MA	FITCHBURG CITY	$19,790.07
MA	FOXBOROUGH TOWN	$4,719.02
MA	FRAMINGHAM TOWN	$30,017.10
MA	FRANKLIN CITY	$9,027.05
MA	GARDNER CITY	$9,772.22
MA	GLOUCESTER CITY	$6,358.43
MA	GOSHEN TOWN	$867.99
MA	GRAFTON TOWN	$1,960.46
MA	GRANBY TOWN	$1,106.69
MA	GREAT BARRINGTON TOWN	$1,615.81
MA	GREENFIELD TOWN	$3,952.81
MA	GROTON TOWN	$1,735.98
MA	HALIFAX TOWN	$1,165.28
MA	HAMILTON TOWN	$1,735.98
MA	HAMPDEN TOWN	$2,430.36
MA	HARDWICK TOWN	$2,061.47
MA	HARWICH TOWN	$2,159.12
MA	HAVERHILL CITY	$10,910.58
MA	HINGHAM TOWN	$4,860.72
MA	HINSDALE TOWN	$434.00
MA	HOLBROOK TOWN	$388.43
MA	HOLYOKE CITY	$28,643.52
MA	HOPEDALE TOWN	$1,347.55
MA	HOPKINTON TOWN	$6,640.09
MA	HUBBARDSTON TOWN	$1,106.69

MA	HUDSON TOWN	$12,041.13
MA	IPSWICH TOWN	$13,887.77
MA	KINGSTON TOWN	$2,361.14
MA	LAWRENCE CITY	$20,433.97
MA	LEXINGTON TOWN	$3,107.39
MA	LEYDEN TOWN	$2,777.53
MA	LITTLETON TOWN	$4,120.76
MA	LONGMEADOW TOWN	$2,582.26
MA	LUDLOW TOWN	$2,582.26
MA	LYNNFIELD TOWN	$781.19
MA	MANCHESTER-BY-THE-SEA TOWN	$2,094.02
MA	MANSFIELD TOWN	$7,421.28
MA	MARBLEHEAD TOWN	$867.99
MA	MARLBOROUGH CITY	$14,975.03
MA	MARSHFIELD TOWN	$12,238.60
MA	MAYNARD TOWN	$4,684.96
MA	MEDFORD CITY	$8,969.00
MA	MELROSE CITY	$3,495.82
MA	MENDON TOWN	$2,430.36
MA	METHUEN CITY	$8,766.66
MA	MILFORD TOWN	$16,216.14
MA	MILLIS TOWN	$2,104.00
MA	MILTON TOWN	$2,343.56
MA	MONSON TOWN	$1,262.92
MA	MONTAGUE TOWN	$1,171.78
MA	MONTEREY TOWN	$388.43
MA	NAHANT TOWN	$1,735.98
MA	NATICK TOWN	$5,713.08
MA	NEEDHAM TOWN	$6,603.20
MA	NEWBURY TOWN	$944.42
MA	NEWTON CITY	$332.83
MA	NORFOLK TOWN	$2,718.97
MA	NORTH ADAMS CITY	$3,028.41
MA	NORTH BROOKFIELD TOWN	$1,735.98
MA	NORTHAMPTON CITY	$5,858.90
MA	NORTHBOROUGH TOWN	$2,838.32
MA	NORTON TOWN	$2,513.00
MA	NORWELL TOWN	$1,944.90
MA	NORWOOD TOWN	$5,437.93
MA	NORTH READING	$2,255.68
MA	ORANGE TOWN	$1,497.28
MA	ORLEANS TOWN	$4,318.23
MA	PALMER TOWN	$5,984.76
MA	PAXTON TOWN	$3,515.31
MA	PEABODY CITY	$35,322.23
MA	PEMBROKE TOWN	$3,819.14
MA	PETERSHAM TOWN	$1,008.60

MA	PLYMOUTH TOWN	$17,869.65
MA	PLYMPTON TOWN	$2,159.12
MA	PRINCETON TOWN	$1,649.18
MA	PROVINCETOWN TOWN	$1,727.30
MA	QUINCY CITY	$2,760.20
MA	RANDOLPH TOWN	$12,136.61
MA	RAYNHAM TOWN	$7,399.58
MA	READING TOWN	$11,246.49
MA	REHOBOTH TOWN	$5,073.79
MA	ROCKLAND TOWN	$3,884.24
MA	RUSSELL TOWN	$2,061.45
MA	SALEM CITY	$5,246.98
MA	SAUGUS TOWN	$4,881.19
MA	SEEKONK TOWN	$1,735.98
MA	SHARON TOWN	$2,718.97
MA	SHEFFIELD TOWN	$1,562.38
MA	SHELBURNE TOWN	$3,124.75
MA	SHREWSBURY TOWN	$2,674.13
MA	SOMERVILLE CITY	$20,279.78
MA	SOUTH HADLEY TOWN	$2,495.46
MA	SOUTHAMPTON TOWN	$2,156.08
MA	SOUTHBOROUGH TOWN	$2,070.15
MA	SOUTHBRIDGE TOWN	$1,041.59
MA	SOUTHWICK TOWN	$4,426.73
MA	STONEHAM TOWN	$7,638.27
MA	STURBRIDGE TOWN	$3,471.95
MA	SUDBURY TOWN	$3,884.24
MA	SWAMPSCOTT TOWN	$11,110.22
MA	SWANSEA TOWN	$11,789.85
MA	TAUNTON CITY	$1,560.64
MA	TISBURY TOWN	$1,187.13
MA	TOPSFIELD TOWN	$3,320.05
MA	TOWNSEND TOWN	$1,725.13
MA	TYNGS BOROUGH TOWN	$4,331.25
MA	WAKEFIELD TOWN	$2,295.65
MA	WALES TOWN	$3,688.94
MA	WALPOLE TOWN	$5,520.39
MA	WALTHAM CITY	$12,151.80
MA	WARE TOWN	$3,471.95
MA	WAREHAM TOWN	$4,556.93
MA	WARREN TOWN	$1,388.78
MA	WATERTOWN CITY	$2,430.36
MA	WAYLAND TOWN	$1,165.28
MA	WEBSTER TOWN	$4,057.79
MA	WELLESLEY TOWN	$3,648.80
MA	WEST SPRINGFIELD TOWN	$10,381.11
MA	WESTBOROUGH TOWN	$10,875.86

MA	WESTFORD TOWN	$4,345.75
MA	WESTPORT TOWN	$8,072.27
MA	WESTWOOD TOWN	$3,884.24
MA	WEYMOUTH TOWN	$9,322.17
MA	WILBRAHAM TOWN	$2,213.37
MA	WILLIAMSBURG TOWN	$1,014.25
MA	WINCHENDON TOWN	$1,553.70
MA	WINCHESTER TOWN	$2,083.17
MA	WINTHROP TOWN	$4,032.06
MA	WRENTHAM TOWN	$10,013.78
MA	YARMOUTH TOWN	$2,083.17
	Totals for MA(181 Jurisdictions):	**$997,723.34**
MD	ABERDEEN CITY	$2,462.91
MD	BALTIMORE CITY SCHOOL DISTRICT	$7,323.63
MD	BEL AIR TOWN	$1,125.33
MD	BERLIN TOWN	$729.55
MD	BOWIE CITY	$6,694.77
MD	BRUNSWICK CITY	$1,521.57
MD	CALVERT COUNTY	$14,586.20
MD	CAROLINE COUNTY	$3,580.44
MD	CHEVY CHASE VILLAGE TOWN	$769.43
MD	CUMBERLAND CITY	$5,136.39
MD	DORCHESTER COUNTY	$3,888.58
MD	EASTON TOWN	$2,929.45
MD	ELKTON TOWN	$4,314.71
MD	FREDERICK CITY	$18,206.86
MD	FRUITLAND CITY	$3,732.34
MD	GAITHERSBURG CITY	$10,324.58
MD	GARRETT COUNTY	$2,538.86
MD	GREENBELT CITY	$2,656.84
MD	HAGERSTOWN CITY	$11,804.60
MD	HAMPSTEAD TOWN	$664.21
MD	LANDOVER HILLS TOWN	$1,660.53
MD	LAUREL CITY	$6,640.79
MD	MOUNT RAINIER CITY	$3,250.18
MD	OAKLAND TOWN	$460.91
MD	OCEAN CITY TOWN	$17,116.67
MD	OCEAN PINES	$2,107.04
MD	RIVERDALE TOWN	$3,478.46
MD	ROCKVILLE CITY	$3,816.10
MD	SALISBURY CITY	$12,349.70
MD	SEAT PLEASANT CITY	$2,324.73
MD	WESTMINSTER CITY	$4,454.25
	Totals for MD(31 Jurisdictions):	**$162,650.61**
ME	AUBURN CITY	$10,906.50
ME	AUGUSTA CITY	$6,106.28
ME	BANGOR CITY	$3,315.71

ME	BAR HARBOR TOWN	$1,475.58
ME	BATH CITY	$719.96
ME	BERWICK CITY	$2,597.33
ME	BIDDEFORD CITY	$4,513.53
ME	BREWER CITY	$3,202.87
ME	BRIDGTON TOWN	$703.07
ME	BRUNSWICK TOWN	$1,664.37
ME	BUXTON TOWN	$1,284.62
ME	CAMDEN TOWN	$1,388.78
ME	CARIBOU CITY	$2,777.56
ME	CUMBERLAND TOWN	$1,466.47
ME	ELIOT TOWN	$2,190.78
ME	FAIRFIELD CITY	$974.32
ME	FARMINGTON TOWN	$1,197.39
ME	FREEPORT TOWN	$276.70
ME	GARDINER CITY	$726.11
ME	HAMPDEN TOWN	$1,540.68
ME	HANCOCK COUNTY	$4,231.87
ME	HOULTON TOWN	$1,877.46
ME	KENNEBUNK TOWN	$3,124.75
ME	KITTERY TOWN	$1,773.91
ME	KNOX COUNTY	$3,471.95
ME	LEWISTON CITY	$8,180.77
ME	LINCOLN COUNTY	$2,430.36
ME	LISBON TOWN	$2,682.08
ME	LIVERMORE FALLS TOWN	$969.98
ME	MONMOUTH TOWN	$685.71
ME	MOUNT DESERT TOWN	$737.79
ME	OLD TOWN CITY	$1,746.83
ME	ORONO TOWN	$2,443.38
ME	PISCATAQUIS COUNTY	$1,054.61
ME	PITTSFIELD TOWN	$762.10
ME	PORTLAND CITY	$18,336.19
ME	ROCKLAND CITY	$1,301.98
ME	RUMFORD TOWN	$656.64
ME	SACO CITY	$2,005.57
ME	SAGADAHOC COUNTY	$3,514.04
ME	SCARBOROUGH TOWN	$6,249.50
ME	SOMERSET COUNTY	$4,468.39
ME	SOUTH BERWICK TOWN	$1,015.55
ME	SOUTH PORTLAND CITY	$4,504.85
ME	WASHINGTON COUNTY	$1,553.26
ME	WATERVILLE CITY	$4,860.72
ME	WELLS TOWN	$1,383.49
ME	WESTBROOK CITY	$5,749.63
ME	WINDHAM TOWN	$3,003.23
ME	WINTHROP TOWN	$1,681.73

ME	YARMOUTH TOWN	$2,588.77
ME	YORK TOWN	$2,352.24
	Totals for ME(52 Jurisdictions):	**$150,427.94**
MI	ADRIAN CITY	$3,879.90
MI	ALBION CITY	$1,551.53
MI	ALCONA COUNTY	$642.31
MI	ALLEN PARK CITY	$3,517.51
MI	ALMA CITY	$4,513.53
MI	ALMONT VILLAGE	$4,344.27
MI	ALPENA COUNTY	$1,705.60
MI	ANTRIM COUNTY	$3,261.55
MI	ARENAC COUNTY	$5,902.30
MI	AUBURN HILLS CITY	$3,541.38
MI	BANGOR CITY	$1,150.09
MI	BARODA TOWNSHIP	$1,416.99
MI	BARRY COUNTY	$2,657.34
MI	BATTLE CREEK CITY	$4,956.20
MI	BAY CITY	$3,598.67
MI	BEAVERTON CITY	$1,378.80
MI	BENTON HARBOR CITY	$3,333.07
MI	BENZIE COUNTY	$3,732.34
MI	BERKLEY CITY	$2,083.17
MI	BIRCH RUN VILLAGE	$1,106.69
MI	BLISSFIELD VILLAGE	$346.33
MI	BLOOMFIELD HILLS CITY	$2,517.16
MI	BLOOMFIELD TOWNSHIP	$1,562.38
MI	BRIDGEPORT CHARTER TOWNSHIP	$1,388.78
MI	BRIGHTON CITY	$2,489.39
MI	BRONSON CITY	$1,518.98
MI	BROWNSTOWN CHARTER TOWNSHIP	$1,861.83
MI	CANTON CHARTER TOWNSHIP	$11,583.27
MI	CASS COUNTY	$3,749.70
MI	CENTER LINE CITY	$4,452.77
MI	CHARLEVOIX CITY	$636.67
MI	CHARLEVOIX COUNTY	$14,070.91
MI	CHARLOTTE CITY	$950.45
MI	CHEBOYGAN CITY	$1,093.67
MI	CHEBOYGAN COUNTY	$627.99
MI	CHESTERFIELD CHARTER TOWNSHIP	$1,111.03
MI	CHOCOLAY CHARTER TOWNSHIP	$683.54
MI	CLARE COUNTY	$1,790.51
MI	CLAWSON CITY	$4,947.52
MI	CLINTON COUNTY	$2,777.56
MI	COLDWATER CITY	$3,286.20
MI	COLUMBIA TOWNSHIP	$108.03
MI	CORUNNA CITY	$1,449.54
MI	CRAWFORD COUNTY	$1,746.83

MI	CRYSTAL FALLS CITY	$430.63
MI	DAVISON TOWNSHIP	$5,902.30
MI	DE WITT CITY	$650.99
MI	DEARBORN CITY	$22,220.43
MI	DEARBORN HEIGHTS CITY	$5,801.62
MI	DENTON TOWNSHIP	$603.25
MI	DEWITT CHARTER TOWNSHIP	$2,946.81
MI	DRYDEN TOWNSHIP	$1,359.95
MI	DUNDEE VILLAGE	$2,514.99
MI	EAST GRAND RAPIDS CITY	$4,465.79
MI	EAST LANSING CITY	$4,943.18
MI	EASTPOINTE CITY	$5,006.11
MI	EATON RAPIDS CITY	$520.80
MI	EMMETT CHARTER TOWNSHIP	$706.62
MI	FARMINGTON CITY	$4,500.51
MI	FARMINGTON HILLS CITY	$3,105.22
MI	FENTON CITY	$1,853.15
MI	FLAT ROCK CITY	$2,126.57
MI	FLUSHING CHARTER TOWNSHIP	$3,745.36
MI	FLUSHING CITY	$3,949.34
MI	FRANKLIN VILLAGE	$1,920.42
MI	FRUITPORT CHARTER TOWNSHIP	$1,172.13
MI	GARDEN CITY	$2,509.00
MI	GOGEBIC COUNTY	$1,771.19
MI	GRAND BLANC CHARTER TOWNSHIP	$2,104.87
MI	GRAND HAVEN CITY	$1,050.27
MI	GRAND LEDGE CITY	$656.64
MI	GRAND TRAVERSE COUNTY	$5,419.70
MI	GRANDVILLE CITY	$3,189.85
MI	GRAYLING CITY	$779.02
MI	GREEN OAK TOWNSHIP	$1,022.06
MI	GREENVILLE CITY	$2,327.07
MI	GROSSE POINTE PARK CITY	$5,663.61
MI	GROSSE POINTE WOODS CITY	$6,356.04
MI	HAMBURG TOWNSHIP	$2,115.28
MI	HAMPTON CHARTER TOWNSHIP	$1,093.67
MI	HAMTRAMCK CITY	$2,603.96
MI	HANCOCK CITY	$2,171.27
MI	HARBOR SPRINGS CITY	$774.25
MI	HARPER WOODS CITY	$3,428.55
MI	HASTINGS CITY	$1,357.53
MI	HAZEL PARK CITY	$4,307.38
MI	HILLSDALE CITY	$2,860.88
MI	HOLLAND CITY	$2,274.13
MI	HURON CHARTER TOWNSHIP	$8,493.24
MI	HURON COUNTY	$4,535.23
MI	INKSTER CITY	$1,545.02

MI	IONIA CITY	$1,305.02
MI	IOSCO COUNTY	$694.39
MI	IRONWOOD CITY	$3,819.14
MI	ISABELLA COUNTY	$1,718.62
MI	JACKSON CITY	$4,077.37
MI	JONESVILLE VILLAGE	$710.02
MI	KALAMAZOO CHARTER TOWNSHIP	$3,549.20
MI	KALAMAZOO CITY	$25,756.92
MI	KALAMAZOO VALLEY COMM COLL	$1,248.17
MI	KALKASKA COUNTY	$4,144.63
MI	KENTWOOD CITY	$6,987.29
MI	KINGSTON VILLAGE	$347.20
MI	LAKE ANGELUS CITY	$4,012.27
MI	LAKE COUNTY	$4,218.41
MI	LAPEER COUNTY	$4,817.32
MI	LATHRUP VILLAGE CITY	$3,471.95
MI	LAWTON VILLAGE	$709.58
MI	LEELANAU COUNTY	$2,867.83
MI	LENAWEE COUNTY	$5,030.85
MI	LENNON VILLAGE	$857.14
MI	LESLIE CITY	$1,853.15
MI	LINCOLN CHARTER TOWNSHIP	$1,171.78
MI	LINCOLN PARK CITY	$8,688.54
MI	LIVONIA CITY	$6,505.08
MI	LOWELL CITY	$351.80
MI	LUDINGTON CITY	$2,864.36
MI	MACKINAC COUNTY	$2,777.56
MI	MACKINAW CITY VILLAGE	$904.88
MI	MADISON CHARTER TOWNSHIP	$687.88
MI	MANISTEE COUNTY	$1,881.36
MI	MARQUETTE COUNTY	$1,324.12
MI	MARYSVILLE CITY	$2,094.02
MI	MASON CITY	$859.09
MI	MASON COUNTY	$969.11
MI	MECOSTA COUNTY	$1,464.73
MI	MELVINDALE CITY	$2,551.88
MI	MENOMINEE CITY	$1,955.14
MI	MERIDIAN CHARTER TOWNSHIP	$6,190.04
MI	MIDLAND CITY	$5,485.67
MI	MIDLAND COUNTY	$16,665.32
MI	MILFORD VILLAGE	$2,777.56
MI	MONROE CITY	$1,262.06
MI	MONTCALM COUNTY	$12,030.28
MI	MONTMORENCY COUNTY	$1,050.27
MI	MOUNT PLEASANT CITY	$3,532.70
MI	MUSKEGON CITY	$6,943.89
MI	METRO POLICE AUTHORITY OF GENESEE COUNTY	$1,822.77

MI	NEW BALTIMORE CITY	$980.83
MI	NEWAYGO CITY	$1,814.53
MI	NEWAYGO COUNTY	$3,124.75
MI	NILES CITY	$1,952.97
MI	NORTHVILLE CITY	$1,770.69
MI	NORTON SHORES CITY	$2,399.98
MI	NOVI CITY	$6,640.09
MI	NORTHVILLE TOWNSHIP	$2,340.96
MI	OAK PARK CITY	$11,110.22
MI	OCEANA COUNTY	$2,170.40
MI	ORCHARD LAKE VILLAGE CITY	$976.48
MI	ORONOKO CHARTER TOWNSHIP	$303.80
MI	OSCEOLA COUNTY	$5,857.60
MI	OTSEGO COUNTY	$2,773.22
MI	OWOSSO CITY	$1,410.48
MI	PAW PAW VILLAGE	$644.48
MI	PINCKNEY VILLAGE	$2,083.17
MI	PITTSFIELD CHARTER TOWNSHIP	$2,800.99
MI	PLAINWELL CITY	$956.96
MI	PLYMOUTH CHARTER TOWNSHIP	$1,518.96
MI	PLYMOUTH CITY	$1,898.72
MI	PORT HURON CITY	$5,555.11
MI	PORTAGE CITY	$7,872.63
MI	PORTLAND CITY	$632.77
MI	READING CITY	$459.60
MI	REDFORD CHARTER TOWNSHIP	$4,426.73
MI	RICHFIELD TOWNSHIP	$838.46
MI	RICHLAND VILLAGE	$1,735.98
MI	ROCKFORD CITY	$1,119.71
MI	ROMULUS CITY	$1,301.98
MI	ROSCOMMON COUNTY	$1,790.22
MI	ROSEVILLE CITY	$14,545.70
MI	ROYAL OAK CITY	$10,875.86
MI	RAISIN TOWNSHIP	$1,025.96
MI	SAGINAW CHARTER TOWNSHIP	$1,996.37
MI	SAGINAW CHIPPEWA INDIAN TRIBE OF MICHIGAN	$3,471.95
MI	SAGINAW CITY	$5,479.05
MI	SALINE CITY	$1,735.98
MI	SAULT STE MARIE CITY	$3,593.46
MI	SHELBY CHARTER TOWNSHIP	$9,374.24
MI	SHIAWASSEE COUNTY	$12,140.95
MI	SOMERSET TOWNSHIP	$911.39
MI	SOUTH HAVEN CITY	$1,223.86
MI	SOUTHGATE CITY	$1,137.07
MI	SPARTA VILLAGE	$3,103.05
MI	SPRINGPORT TOWNSHIP	$1,388.78
MI	ST CLAIR SHORES CITY	$1,388.78

MI	ST IGNACE CITY	$1,372.70
MI	ST JOSEPH COUNTY	$1,976.41
MI	STANTON CITY	$1,734.24
MI	STURGIS CITY	$1,093.67
MI	SUMPTER TOWNSHIP	$580.74
MI	TAYLOR CITY	$9,478.40
MI	TECUMSEH CITY	$694.39
MI	THOMAS TOWNSHIP	$1,117.54
MI	TRAVERSE CITY	$917.90
MI	TRENTON CITY	$11,804.60
MI	TUSCOLA COUNTY	$1,258.58
MI	UNADILLA TOWNSHIP	$836.31
MI	VAN BUREN CHARTER TOWNSHIP	$9,378.58
MI	VAN BUREN COUNTY	$3,623.84
MI	WALKER CITY	$3,124.75
MI	WALLED LAKE CITY	$1,529.83
MI	WATERFORD CHARTER TOWNSHIP	$17,359.71
MI	WAYLAND CITY	$2,018.07
MI	WAYNE CITY	$2,126.54
MI	WEST BLOOMFIELD CHARTER TOWNSHIP	$4,860.72
MI	WESTLAND CITY	$6,171.38
MI	WEXFORD COUNTY	$1,907.40
MI	WHITE LAKE CHARTER TOWNSHIP	$3,982.67
MI	WIXOM CITY	$6,249.50
MI	WYOMING CITY	$4,980.07
MI	YPSILANTI CITY	$3,428.55
	Totals for MI(211 Jurisdictions):	**$711,151.53**
MN	AITKIN COUNTY	$1,562.38
MN	ALBERT LEA CITY	$4,048.29
MN	ALEXANDRIA CITY	$3,203.30
MN	ANNANDALE CITY	$1,041.59
MN	APPLE VALLEY CITY	$4,108.73
MN	AUSTIN CITY	$2,061.47
MN	AVON CITY	$434.87
MN	BAGLEY CITY	$1,388.30
MN	BECKER CITY	$1,826.25
MN	BELGRADE CITY	$1,039.85
MN	BELTRAMI COUNTY	$4,773.92
MN	BEMIDJI CITY	$4,166.33
MN	BENSON CITY	$1,364.48
MN	BENTON COUNTY	$2,083.17
MN	BIG LAKE CITY	$1,312.83
MN	BIG STONE COUNTY	$2,611.67
MN	BLOOMING PRARIE CITY	$2,127.44
MN	BLOOMINGTON CITY	$18,837.89
MN	BLUE EARTH COUNTY	$872.33
MN	BRAINERD CITY	$2,562.30

MN	BREEZY POINT CITY	$1,735.98
MN	BROOKLYN CENTER CITY	$7,894.33
MN	BROOKLYN PARK CITY	$35,023.21
MN	BUFFALO CITY	$1,354.06
MN	BURNSVILLE CITY	$3,652.49
MN	CAMBRIDGE CITY	$1,388.78
MN	CANNON FALLS CITY	$883.61
MN	CARLTON COUNTY	$1,735.98
MN	CASS COUNTY	$2,990.65
MN	CHAMPLIN CITY	$2,430.36
MN	CHASKA CITY	$1,359.27
MN	CHIPPEWA COUNTY	$913.06
MN	CHISAGO CITY	$2,639.98
MN	CHISHOLM CITY	$2,757.88
MN	CLAY COUNTY	$5,871.14
MN	CLEARWATER COUNTY	$694.39
MN	CLOQUET CITY	$1,388.78
MN	COLD SPRING CITY	$1,789.79
MN	CORCORAN CITY	$2,278.47
MN	COTTAGE GROVE CITY	$4,166.33
MN	CROOKSTON CITY	$2,980.71
MN	CROSSLAKE CITY	$737.79
MN	CROW WING COUNTY	$2,212.50
MN	CRYSTAL CITY	$1,973.80
MN	COUNTY OF COTTONWOOD	$1,692.58
MN	DAWSON CITY	$694.39
MN	DAYTON CITY	$1,666.54
MN	DEER RIVER CITY	$781.18
MN	DETROIT LAKES CITY	$2,264.39
MN	DILWORTH CITY	$2,146.08
MN	DODGE COUNTY	$4,166.33
MN	DOUGLAS COUNTY	$2,220.09
MN	DULUTH CITY	$11,804.60
MN	EAGAN CITY	$12,865.37
MN	EAGLE LAKE CITY	$694.39
MN	EAST GRAND FORKS CITY	$1,876.15
MN	EDEN PRAIRIE CITY	$5,262.17
MN	EDINA CITY	$4,900.00
MN	ELK RIVER CITY	$2,575.32
MN	ELKO CITY	$490.42
MN	EVELETH CITY	$535.77
MN	FARMINGTON CITY	$2,083.17
MN	FERGUS FALLS CITY	$4,174.15
MN	FILLMORE COUNTY	$2,916.44
MN	FLOODWOOD CITY	$850.63
MN	FOREST LAKE CITY	$1,388.78
MN	FREEBORN COUNTY	$1,367.08

MN	FRIDLEY CITY	$3,395.78
MN	GAYLORD CITY	$398.18
MN	GLENCOE CITY	$477.40
MN	GLYNDON CITY	$1,171.77
MN	GOODHUE COUNTY	$9,591.24
MN	GOODVIEW CITY	$1,823.31
MN	GRAND RAPIDS CITY	$5,901.44
MN	HERMANTOWN CITY	$1,712.54
MN	HIBBING CITY	$3,761.42
MN	HOPKINS CITY	$3,428.33
MN	HOUSTON COUNTY	$2,268.92
MN	HOWARD LAKE CITY	$1,004.26
MN	HUBBARD COUNTY	$6,476.56
MN	HUTCHINSON CITY	$1,164.99
MN	INDEPENDENCE CITY	$923.54
MN	ISANTI CITY	$1,065.85
MN	JORDAN CITY	$716.09
MN	KANDIYOHI COUNTY	$7,599.22
MN	KOOCHICHING COUNTY	$1,627.48
MN	LA CRESCENT CITY	$1,779.37
MN	LAKE CITY	$766.62
MN	LAKE CRYSTAL CITY	$1,041.59
MN	LAKE OF THE WOODS COUNTY	$675.64
MN	LAKEVILLE CITY	$6,736.44
MN	LE CENTER CITY	$459.60
MN	LE SUEUR CITY	$796.35
MN	LE SUEUR COUNTY	$1,486.21
MN	LESTER PRAIRIE CITY	$2,005.31
MN	LINO LAKES CITY	$2,579.22
MN	LONG PRAIRIE CITY	$1,883.53
MN	LYON COUNTY	$1,368.47
MN	MAHNOMEN COUNTY	$1,627.48
MN	MANKATO CITY	$3,129.96
MN	MAPLE GROVE CITY	$3,905.94
MN	MAPLETON CITY	$841.95
MN	MAPLEWOOD CITY	$4,513.53
MN	MEDINA CITY	$4,339.93
MN	MINNEOTA CITY	$347.19
MN	MINNETONKA CITY	$10,155.43
MN	MONTEVIDEO CITY	$456.53
MN	MOORHEAD CITY	$6,317.64
MN	MOOSE LAKE CITY	$694.39
MN	MORRISON COUNTY	$10,260.89
MN	MOUNTAIN LAKE CITY	$711.75
MN	MILLE LACS BAND OF OJIBWE	$4,662.43
MN	NEW BRIGHTON CITY	$2,080.57
MN	NEW HOPE CITY	$2,886.06

MN	NEW PRAGUE CITY	$1,655.25
MN	NEW RICHLAND CITY	$1,562.38
MN	NICOLLET COUNTY	$1,090.19
MN	NISSWA CITY	$1,103.54
MN	NOBLES COUNTY	$2,164.05
MN	NORTH BRANCH CITY	$1,117.93
MN	NORTHFIELD CITY	$1,838.94
MN	OAK PARK HEIGHTS CITY	$477.40
MN	ONAMIA CITY	$390.65
MN	ORONO CITY	$3,124.75
MN	OSSEO CITY	$3,333.07
MN	OWATONNA CITY	$4,383.33
MN	PAYNESVILLE CITY	$1,388.78
MN	PLAINVIEW CITY	$2,104.87
MN	PLYMOUTH CITY	$7,548.00
MN	POLK COUNTY	$5,827.40
MN	PRIOR LAKE CITY	$1,591.89
MN	RAMSEY CITY	$3,959.58
MN	RED WING CITY	$3,916.35
MN	REDWOOD COUNTY	$3,488.00
MN	RICHFIELD CITY	$2,702.91
MN	ROBBINSDALE CITY	$1,605.81
MN	ROCK COUNTY	$440.51
MN	ROSEAU COUNTY	$3,124.75
MN	ROSEMOUNT CITY	$2,456.58
MN	ROSEVILLE CITY	$10,606.45
MN	SARTELL CITY	$5,025.03
MN	SAUK CENTRE CITY	$1,432.18
MN	SAUK RAPIDS CITY	$1,619.67
MN	SAVAGE CITY	$3,985.62
MN	SHAKOPEE CITY	$7,976.35
MN	SHERBURNE COUNTY	$13,615.57
MN	SHOREWOOD CITY	$2,007.22
MN	SOUTH ST PAUL CITY	$3,471.95
MN	SPRINGLAKE PARK CITY	$694.39
MN	ST ANTHONY CITY	$2,025.88
MN	ST CHARLES CITY	$1,727.30
MN	ST CLOUD CITY	$16,665.32
MN	ST JAMES CITY	$398.18
MN	ST LOUIS PARK CITY	$5,799.64
MN	ST PAUL PARK CITY	$1,501.23
MN	STEELE COUNTY	$3,876.96
MN	STILLWATER CITY	$937.65
MN	SWIFT COUNTY	$2,028.92
MN	SAINT PETER	$3,098.71
MN	THIEF RIVER FALLS CITY	$937.43
MN	TODD COUNTY	$4,166.33

MN	THE CENTENNIAL LAKES POLICE DEPARTMENT	$2,937.14
MN	VERNDALE CITY	$729.11
MN	VIRGINIA CITY	$1,475.58
MN	WABASHA CITY	$1,044.55
MN	WABASHA COUNTY	$2,430.36
MN	WADENA CITY	$792.79
MN	WADENA COUNTY	$1,438.69
MN	WAITE PARK CITY	$2,579.22
MN	WASECA CITY	$4,122.93
MN	WEST ST PAUL CITY	$2,603.96
MN	WHEATON CITY	$1,041.59
MN	WHITE BEAR LAKE CITY	$4,339.93
MN	WILKIN COUNTY	$2,215.10
MN	WILLMAR CITY	$1,449.21
MN	WINDOM CITY	$727.34
MN	WINONA COUNTY	$8,080.95
MN	WORTHINGTON CITY	$1,047.39
MN	WYOMING CITY	$416.64
MN	WHITE EARTH TRIBE	$5,294.71
MN	ZUMBROTA CITY	$2,083.17
	Totals for MN(181 Jurisdictions):	**$557,560.34**
MO	ARNOLD CITY	$7,521.96
MO	ASH GROVE CITY	$1,844.47
MO	ASHLAND CITY	$999.27
MO	AURORA CITY	$2,083.17
MO	AUXVASSE CITY	$954.79
MO	BALLWIN CITY	$4,166.33
MO	BEL NOR VILLAGE	$3,027.10
MO	BELTON CITY	$1,490.77
MO	BLUE SPRINGS CITY	$8,301.42
MO	BOLIVAR CITY	$2,649.07
MO	BOONVILLE CITY	$3,819.14
MO	BOWLING GREEN CITY	$1,432.18
MO	BRANSON CITY	$4,999.60
MO	BRANSON WEST CITY	$2,149.70
MO	BRECKENRIDGE HILLS CITY	$2,018.07
MO	BROOKFIELD CITY	$923.98
MO	BUTLER CITY	$2,243.16
MO	BYRNES MILL CITY	$2,083.17
MO	CABOOL CITY	$3,280.55
MO	CALLAWAY COUNTY	$2,135.25
MO	CALVERTON PARK VILLAGE	$1,409.61
MO	CAMDEN COUNTY	$6,188.74
MO	CAMDENTON CITY	$1,165.28
MO	CANTON CITY	$1,016.85
MO	CAPE GIRARDEAU CITY	$8,408.61
MO	CAPE GIRARDEAU COUNTY	$5,459.63

MO	CARL JUNCTION CITY	$580.25
MO	CENTRALIA CITY	$1,706.18
MO	CHESTERFIELD CITY	$6,726.89
MO	CHILLICOTHE CITY	$1,681.73
MO	CHRISTIAN COUNTY	$3,398.17
MO	CLAYTON CITY	$2,430.36
MO	CLEVER CITY	$1,288.96
MO	CLINTON CITY	$3,552.67
MO	COLE COUNTY	$7,399.58
MO	COOPER COUNTY	$1,279.99
MO	CREVE COEUR CITY	$2,690.76
MO	CRYSTAL CITY	$1,627.48
MO	DADE COUNTY	$3,471.95
MO	DES PERES CITY	$2,690.76
MO	DEXTER CITY	$2,343.56
MO	EDGERTON CITY	$663.32
MO	ELLISVILE CITY	$2,354.41
MO	EUREKA CITY	$1,532.00
MO	EXCELSIOR SPRINGS CITY	$1,542.85
MO	FERGUSON CITY	$5,663.61
MO	FRONTENAC CITY	$336.35
MO	GLADSTONE CITY	$3,738.85
MO	GLENDALE CITY	$347.20
MO	GRAIN VALLEY CITY	$2,513.69
MO	GRANBY CITY	$1,647.01
MO	GRANDVIEW CITY	$2,718.97
MO	HALLSVILLE CITY	$867.99
MO	HANNIBAL CITY	$2,721.14
MO	HAZELWOOD CITY	$3,467.61
MO	HILLSBORO CITY	$4,372.48
MO	HOWELL COUNTY	$1,762.01
MO	JEFFERSON CITY	$10,660.16
MO	JOHNSON COUNTY	$12,569.25
MO	JOPLIN CITY	$9,171.14
MO	KENNETT CITY	$6,880.96
MO	KIMBERLING CITY CITY	$1,255.11
MO	KIRKSVILLE CITY	$1,686.07
MO	KIRKWOOD CITY	$8,408.61
MO	LAFAYETTE COUNTY	$1,269.22
MO	LAKE LOTAWANA CITY	$1,258.58
MO	LAKE OZARK CITY	$1,031.61
MO	LAKE ST LOUIS CITY	$2,818.35
MO	LAMAR CITY	$2,603.96
MO	LEES SUMMIT CITY	$10,275.11
MO	LEWIS COUNTY	$681.37
MO	LIBERTY CITY	$3,471.91
MO	LIVINGSTON COUNTY	$1,861.83

MO	MAPLEWOOD CITY	$1,681.73
MO	MARYVILLE CITY	$1,357.97
MO	MONETT CITY	$1,388.78
MO	MONROE CITY	$1,009.04
MO	MOSCOW MILLS CITY	$3,812.20
MO	NEOSHO CITY	$813.74
MO	NEVADA CITY	$2,011.96
MO	NEW HAVEN CITY	$1,841.00
MO	NEW MADRID COUNTY	$3,037.92
MO	NEWTON COUNTY	$6,373.62
MO	NIXA CITY	$5,225.28
MO	NODAWAY COUNTY	$1,440.86
MO	NORMANDY CITY	$3,027.10
MO	NORTH KANSAS CITY	$5,142.82
MO	NORTHWOODS CITY	$1,558.04
MO	O FALLON CITY	$9,582.56
MO	OAK GROVE CITY	$1,481.22
MO	OLIVETTE CITY	$282.97
MO	OSAGE BEACH CITY	$2,015.03
MO	OVERLAND CITY	$5,060.79
MO	OZARK CITY	$3,124.72
MO	PACIFIC CITY	$3,124.32
MO	PAGEDALE CITY	$5,555.11
MO	PARKVILLE CITY	$717.11
MO	PEMISCOT COUNTY	$7,464.68
MO	PERRYVILLE CITY	$2,126.57
MO	PETTIS COUNTY	$4,118.59
MO	PLATTE CITY	$1,518.98
MO	PLEASANT VALLEY CITY	$1,716.88
MO	RALLS COUNTY	$6,249.50
MO	RAYMORE CITY	$2,141.76
MO	REPUBLIC CITY	$2,489.56
MO	RICHMOND HEIGHTS CITY	$3,363.45
MO	RIVERSIDE CITY	$4,002.88
MO	ROCK HILL CITY	$1,009.04
MO	ROCK PORT CITY	$703.50
MO	ROLLA CITY	$3,580.44
MO	SCOTT COUNTY	$2,734.16
MO	SEDALIA CITY	$4,681.96
MO	SHREWSBURY CITY	$2,077.96
MO	SIKESTON CITY	$4,279.17
MO	SMITHVILLE CITY	$1,794.13
MO	ST ANN CITY	$3,573.93
MO	ST CHARLES CITY	$15,135.50
MO	ST CLAIR COUNTY	$1,703.43
MO	ST JAMES CITY	$1,215.18
MO	ST JOSEPH CITY	$6,145.34

MO	ST PETERS CITY	$6,062.01
MO	ST. JOHN P.D.	$1,651.35
MO	STODDARD COUNTY	$1,790.22
MO	SUGAR CREEK CITY	$1,735.98
MO	TANEY COUNTY	$9,457.69
MO	TARKIO CITY	$482.02
MO	TRENTON CITY	$1,388.35
MO	TROY CITY	$3,660.22
MO	UNION CITY	$2,354.41
MO	UNIVERSITY CITY	$3,124.75
MO	WARRENSBURG CITY	$3,372.13
MO	WARRENTON CITY	$1,345.38
MO	WARSON WOODS CITY	$976.49
MO	WASHINGTON CITY	$2,070.15
MO	WASHINGTON COUNTY	$5,110.27
MO	WEATHERBY LAKE CITY	$1,356.23
MO	WEBB CITY	$736.92
MO	WEBSTER COUNTY	$6,943.89
MO	WEBSTER GROVES CITY	$6,726.89
MO	WENTZVILLE CITY	$8,744.96
MO	WEST PLAINS CITY	$3,537.04
	Totals for MO(141 Jurisdictions):	**$463,913.72**
MS	AMORY CITY	$2,134.55
MS	BATESVILLE CITY	$4,526.55
MS	BROOKHAVEN CITY	$3,419.87
MS	BUDE TOWN	$645.57
MS	BYRAM CITY	$2,855.68
MS	CARTHAGE CITY	$3,415.53
MS	CLARKSDALE CITY	$1,410.48
MS	CLAY COUNTY	$6,358.00
MS	CLINTON CITY	$4,641.99
MS	CORINTH CITY	$1,708.46
MS	D IBERVILLE CITY	$2,777.56
MS	EDWARDS TOWN	$3,187.25
MS	ELLISVILLE CITY	$3,697.62
MS	FLORENCE TOWN	$1,902.63
MS	FOREST CITY	$1,187.41
MS	FORREST COUNTY	$8,620.84
MS	GREENWOOD CITY	$1,451.71
MS	GRENADA CITY	$5,710.26
MS	GULFPORT CITY	$3,645.54
MS	HANCOCK COUNTY	$5,214.43
MS	HATTIESBURG CITY	$12,186.52
MS	HORN LAKE CITY	$1,653.08
MS	JONES COUNTY	$15,276.54
MS	LAMAR COUNTY	$2,374.81
MS	LAUREL CITY	$3,005.40

MS	LEE COUNTY	$3,635.13
MS	LEFLORE COUNTY	$1,388.78
MS	LONG BEACH	$2,317.53
MS	MERIDIAN CITY	$4,556.93
MS	MORTON CITY	$1,567.80
MS	NEW ALBANY CITY	$1,801.94
MS	OLIVE BRANCH CITY	$7,207.75
MS	OXFORD CITY	$3,432.89
MS	PASCAGOULA CITY	$1,622.79
MS	PASS CHRISTIAN CITY	$1,159.63
MS	PEARL RIVER VALLEY WATER SUPPLY DISTRICT	$2,510.90
MS	PHILADELPHIA CITY	$2,560.56
MS	PICAYUNE CITY	$2,051.02
MS	POPLARVILLE CITY	$3,233.25
MS	PRENTISS COUNTY	$5,858.90
MS	RICHLAND CITY	$1,297.64
MS	RIDGELAND CITY	$2,418.21
MS	SHANNON TOWN	$846.29
MS	SOUTHAVEN CITY	$3,619.50
MS	STARKVILLE CITY	$4,062.18
MS	STONE COUNTY	$6,453.47
MS	TISHOMINGO COUNTY	$3,005.40
MS	TUPELO CITY	$3,700.23
MS	TUTWILER TOWN	$1,410.48
MS	WASHINGTON COUNTY	$5,207.92
MS	WAVELAND CITY	$680.51
MS	WALLS TOWN	$1,913.91
	Totals for MS(52 Jurisdictions):	**$182,529.82**
MT	BELGRADE CITY	$5,312.07
MT	BUTTE-SILVER BOW CITY AND COUNTY	$4,444.96
MT	BOZEMAN CITY	$4,860.72
MT	CASCADE COUNTY	$10,014.32
MT	CHINOOK CITY	$2,009.56
MT	COLUMBIA FALLS CITY	$980.39
MT	CUSTER COUNTY	$5,207.92
MT	FERGUS COUNTY	$1,709.36
MT	FORT BENTON CITY	$604.17
MT	GREAT FALLS CITY	$7,633.93
MT	HAVRE CITY	$4,413.71
MT	HELENA CITY	$6,097.60
MT	HILL COUNTY	$2,069.88
MT	JEFFERSON COUNTY	$7,792.67
MT	KALISPELL CITY	$2,642.84
MT	LAKE COUNTY	$3,641.20
MT	LEWIS AND CLARK COUNTY	$10,960.05
MT	LEWISTOWN CITY	$1,712.63
MT	LINCOLN COUNTY	$4,556.88

MT	LIVINGSTON CITY	$3,331.33
MT	MANHATTAN TOWN	$370.03
MT	MILES CITY	$672.69
MT	MINERAL COUNTY	$2,430.30
MT	MISSOULA CITY	$12,010.75
MT	PARK COUNTY	$7,985.47
MT	RAVALLI COUNTY	$3,560.48
MT	RED LODGE CITY	$2,402.15
MT	RONAN CITY	$1,369.69
MT	SANDERS COUNTY	$3,124.75
MT	SHERIDAN COUNTY	$1,484.26
MT	SIDNEY CITY	$3,081.35
MT	STEVENSVILLE TOWN	$1,388.78
MT	VALLEY COUNTY	$1,603.62
MT	WHITEFISH CITY	$1,291.13
MT	WOLF POINT CITY	$1,024.66
	Totals for MT(35 Jurisdictions):	**$133,796.30**
NC	ABERDEEN TOWN	$2,813.97
NC	AHOSKIE TOWN	$3,471.95
NC	ALBEMARLE CITY	$3,331.72
NC	ASHEBORO CITY	$1,699.09
NC	ASHEVILLE CITY	$25,219.31
NC	ATLANTIC BEACH TOWN	$885.35
NC	AVERY COUNTY	$2,690.76
NC	BANNER ELK TOWN	$607.59
NC	BEAUFORT TOWN	$1,735.97
NC	BELHAVEN TOWN	$672.69
NC	BELMONT CITY	$2,971.13
NC	BERTIE COUNTY	$3,627.32
NC	BETHEL TOWN	$3,524.46
NC	BLACK MOUNTAIN TOWN	$733.45
NC	BLADEN COUNTY	$8,099.17
NC	BLOWING ROCK TOWN	$972.15
NC	BOILING SPRING LAKES CITY	$1,410.48
NC	BOONE TOWN	$3,864.71
NC	BURGAW TOWN	$2,679.28
NC	BURLINGTON CITY	$25,026.19
NC	BURNSVILLE TOWN	$4,021.38
NC	CAMDEN COUNTY	$950.45
NC	CANTON TOWN	$2,156.95
NC	CAPE CARTERET TOWN	$2,430.36
NC	CARRBORO TOWN	$751.28
NC	CARTERET COUNTY	$2,542.01
NC	CASWELL COUNTY	$4,464.64
NC	CHADBOURN TOWN	$2,430.36
NC	CHAPEL HILL TOWN	$5,372.83
NC	CHATHAM COUNTY	$12,599.89

NC	CHEROKEE COUNTY	$2,600.49
NC	CLAYTON TOWN	$3,922.39
NC	CLEVELAND COUNTY	$2,779.73
NC	CLINTON CITY	$3,341.51
NC	COLUMBUS COUNTY	$5,895.36
NC	COLUMBUS TOWN	$673.13
NC	CONOVER CITY	$1,102.35
NC	CORNELIUS TOWN	$4,434.71
NC	CRAMERTON TOWN	$2,758.69
NC	CREEDMOOR CITY	$2,438.27
NC	CURRITUCK COUNTY	$5,442.86
NC	DARE COUNTY	$3,469.43
NC	DAVIE COUNTY	$5,112.44
NC	DOBSON TOWN	$484.11
NC	DREXEL TOWN	$477.31
NC	DUCK TOWN	$1,367.08
NC	DUNN CITY	$3,923.72
NC	DUPLIN COUNTY	$5,555.11
NC	EDEN CITY	$5,645.57
NC	EDENTON TOWN	$1,354.93
NC	ELIZABETH CITY	$4,186.77
NC	ELIZABETHTOWN TOWN	$2,761.32
NC	ELKIN TOWN	$2,029.46
NC	EMERALD ISLE TOWN	$6,744.25
NC	FOUR OAKS TOWN	$1,518.98
NC	FRANKLIN COUNTY	$6,389.72
NC	FUQUAY-VARINA TOWN	$6,302.71
NC	GARNER TOWN	$4,635.05
NC	GASTONIA CITY	$13,781.44
NC	GOLDSBORO CITY	$21,107.22
NC	GRAHAM CITY	$3,690.66
NC	GRANVILLE COUNTY	$5,414.93
NC	GREENVILLE CITY	$7,284.57
NC	HALIFAX COUNTY	$4,111.00
NC	HAVELOCK CITY	$2,499.80
NC	HAW RIVER TOWN	$1,784.15
NC	HAYWOOD COUNTY	$2,125.60
NC	HENDERSON CITY	$6,894.58
NC	HENDERSONVILLE CITY	$4,201.05
NC	HICKORY CITY	$8,820.90
NC	HIGHLANDS TOWN	$1,801.27
NC	HILLSBOROUGH TOWN	$2,094.02
NC	HOKE COUNTY	$5,207.92
NC	HOPE MILLS TOWN	$6,051.32
NC	HUNTERSVILLE TOWN	$2,699.42
NC	JACKSONVILLE CITY	$27,694.81
NC	JONESVILLE TOWN	$1,518.11

NC	KILL DEVIL HILLS TOWN	$1,804.52
NC	KINGS MOUNTAIN CITY	$1,945.81
NC	KINSTON CITY	$5,658.71
NC	KITTY HAWK TOWN	$1,105.82
NC	KNIGHTDALE TOWN	$3,327.86
NC	KURE BEACH TOWN	$1,043.43
NC	LELAND TOWN	$3,215.89
NC	LENOIR CITY	$3,191.15
NC	LOWELL CITY	$685.79
NC	LUMBERTON CITY	$15,623.74
NC	MACON COUNTY	$5,754.49
NC	MAIDEN TOWN	$2,028.38
NC	MARION CITY	$4,827.30
NC	MARS HILL TOWN	$1,910.01
NC	MARTIN COUNTY	$1,612.29
NC	MATTHEWS TOWN	$2,672.91
NC	MCDOWELL COUNTY	$538.37
NC	MONTGOMERY COUNTY	$3,320.70
NC	MOORE COUNTY	$4,358.62
NC	MOREHEAD CITY	$1,973.80
NC	MORGANTON CITY	$7,942.07
NC	MOUNT HOLLY CITY	$4,712.96
NC	NAGS HEAD TOWN	$2,636.51
NC	NEW BERN CITY	$5,027.31
NC	NEWPORT TOWN	$2,204.69
NC	NEWTON CITY	$3,302.47
NC	NORTH TOPSAIL BEACH TOWN	$2,275.43
NC	NORWOOD TOWN	$4,049.84
NC	OXFORD CITY	$1,103.10
NC	PAMLICO COUNTY	$9,449.31
NC	PENDER COUNTY	$24,244.65
NC	PERSON COUNTY	$6,752.45
NC	PILOT MOUNTAIN TOWN	$3,411.19
NC	PINE LEVEL TOWN	$1,742.05
NC	PINEVILLE TOWN	$2,952.68
NC	REIDSVILLE CITY	$5,784.79
NC	RIVER BEND TOWN	$726.20
NC	ROANOKE RAPIDS CITY	$3,895.09
NC	ROBBINS TOWN	$671.27
NC	ROCKINGHAM COUNTY	$3,093.58
NC	ROCKY MOUNT CITY	$16,925.72
NC	ROXBORO CITY	$6,316.77
NC	SALISBURY CITY	$8,818.73
NC	SAMPSON COUNTY	$3,502.76
NC	SCOTLAND COUNTY	$4,669.94
NC	SCOTLAND NECK TOWN	$1,267.26
NC	SMITHFIELD TOWN	$4,367.02

NC	SOUTHERN PINES TOWN	$8,159.07
NC	SOUTHERN SHORES TOWN	$998.46
NC	SOUTHPORT CITY	$689.82
NC	SPENCER TOWN	$896.36
NC	STALLINGS TOWN	$1,906.03
NC	STATESVILLE CITY	$7,358.35
NC	STOKES COUNTY	$1,454.06
NC	SUNSET BEACH TOWN	$603.00
NC	SURF CITY TOWN	$297.65
NC	SURRY COUNTY	$7,257.99
NC	SWAIN COUNTY	$9,207.14
NC	SWANSBORO TOWN	$3,169.34
NC	SHELBY	$6,520.74
NC	SUGAR MOUNTAIN VILLAGE	$270.75
NC	THOMASVILLE CITY	$4,905.42
NC	TOWN OF BUTNER	$3,649.71
NC	TROUTMAN TOWN	$2,626.96
NC	TROY TOWN	$1,976.98
NC	VALDESE TOWN	$2,126.37
NC	VANCE COUNTY	$3,317.60
NC	WAKE FOREST TOWN	$11,500.81
NC	WARSAW TOWN	$854.95
NC	WASHINGTON CITY	$6,943.89
NC	WATAUGA COUNTY	$4,777.40
NC	WENDELL TOWN	$6,247.76
NC	WHISPERING PINES VILLAGE	$959.02
NC	WILLIAMSTON TOWN	$3,370.76
NC	WILSON CITY	$9,786.54
NC	WILSON COUNTY	$7,315.68
NC	YANCEY COUNTY	$9,721.44
NC	ZEBULON TOWN	$2,566.42
	Totals for NC(155 Jurisdictions):	**$699,769.01**
ND	ADAMS COUNTY	$1,584.08
ND	BARNES COUNTY	$2,776.69
ND	BENSON COUNTY	$1,388.78
ND	BISMARCK CITY	$14,764.02
ND	BOTTINEAU COUNTY	$1,051.12
ND	BURLEIGH COUNTY	$4,513.53
ND	CARRINGTON CITY	$1,249.90
ND	CAVALIER CITY	$1,022.06
ND	DEVILS LAKE CITY	$2,576.84
ND	DICKEY COUNTY	$894.03
ND	DICKINSON CITY	$4,452.77
ND	EMMONS COUNTY	$462.20
ND	GRAFTON CITY	$1,388.78
ND	GRAND FORKS CITY	$9,499.23
ND	GRAND FORKS COUNTY	$686.15

ND	MANDAN CITY	$3,819.14
ND	MCKENZIE COUNTY	$4,593.38
ND	MINOT CITY	$6,943.89
ND	MORTON COUNTY	$3,710.64
ND	PEMBINA COUNTY	$2,927.32
ND	RENVILLE COUNTY	$2,430.36
ND	RUGBY CITY	$759.49
ND	STARK COUNTY	$2,402.71
ND	VALLEY CITY	$2,608.08
ND	WAHPETON CITY	$1,388.78
ND	WALSH COUNTY	$3,118.27
ND	WARD COUNTY	$2,534.49
ND	WATFORD CITY	$3,542.43
	Totals for ND(28 Jurisdictions):	**$89,089.16**
NE	ALLIANCE CITY	$1,228.20
NE	AURORA CITY	$264.74
NE	BEATRICE CITY	$5,207.92
NE	BELLEVUE CITY	$5,902.30
NE	BLAIR CITY	$1,735.98
NE	BOONE COUNTY	$384.09
NE	BOYS TOWN VILLAGE	$332.66
NE	BUFFALO COUNTY	$3,775.74
NE	CEDAR COUNTY	$828.93
NE	CHADRON CITY	$1,844.47
NE	COLUMBUS CITY	$3,324.39
NE	DAKOTA COUNTY	$3,749.70
NE	DIXON COUNTY	$1,022.06
NE	DODGE COUNTY	$2,020.67
NE	GORDON CITY	$2,083.17
NE	GOTHENBURG CITY	$766.96
NE	GRAND ISLAND CITY	$6,048.13
NE	HALL COUNTY	$7,551.48
NE	HASTINGS CITY	$1,747.85
NE	KEARNEY CITY	$3,994.91
NE	KIMBALL CITY	$2,148.27
NE	LA VISTA CITY	$3,471.95
NE	LEXINGTON CITY	$1,380.10
NE	MILFORD CITY	$693.96
NE	NEMAHA COUNTY	$1,542.85
NE	NORFOLK CITY	$2,028.92
NE	NORTH PLATTE CITY	$2,430.36
NE	OGALLALA CITY	$2,125.04
NE	PAPILLION CITY	$3,471.95
NE	PERKINS COUNTY	$1,933.00
NE	PLATTE COUNTY	$1,833.62
NE	PLATTSMOUTH CITY	$1,796.73
NE	RALSTON CITY	$1,692.58

NE	SCOTTS BLUFF COUNTY	$6,243.16
NE	SCOTTSBLUFF CITY	$2,888.23
NE	SHERIDAN COUNTY	$633.20
NE	SIDNEY CITY	$887.95
NE	STANTON COUNTY	$1,410.48
NE	WAHOO CITY	$1,000.21
	Totals for NE(39 Jurisdictions):	**$93,426.91**
NH	ALTON TOWN	$3,582.61
NH	ATKINSON TOWN	$1,387.05
NH	BARTLETT TOWN	$687.88
NH	BEDFORD TOWN	$2,248.09
NH	CHESHIRE COUNTY	$1,484.26
NH	CLAREMONT CITY	$1,449.54
NH	CONCORD CITY	$15,536.94
NH	DEERING TOWN	$1,176.12
NH	DERRY TOWN	$14,323.93
NH	DOVER CITY	$4,906.29
NH	DUBLIN TOWN	$1,733.81
NH	DUNBARTON TOWN	$911.39
NH	EXETER TOWN	$2,215.10
NH	FARMINGTON TOWN	$976.36
NH	FREMONT TOWN	$1,735.98
NH	GILFORD TOWN	$3,048.80
NH	GOFFSTOWN TOWN	$2,308.85
NH	GRAFTON COUNTY	$833.27
NH	HAMPTON FALLS TOWN	$690.05
NH	HANOVER TOWN	$2,864.36
NH	HAVERHILL TOWN	$2,998.03
NH	HILLSBORO TOWN	$2,430.36
NH	HOOKSETT TOWN	$2,760.20
NH	JAFFREY TOWN	$3,905.94
NH	KEENE CITY	$3,637.73
NH	KENSINGTON TOWN	$3,265.80
NH	LEBANON CITY	$2,343.56
NH	LEE TOWN	$695.26
NH	LONDONDERRY TOWN	$3,476.29
NH	LYNDEBOROUGH TOWN	$1,562.38
NH	MERRIMACK TOWN	$1,545.02
NH	MILFORD TOWN	$3,326.56
NH	MILTON TOWN	$729.11
NH	MONT VERNON TOWN	$976.49
NH	NASHUA CITY	$17,782.85
NH	NEWBURY TOWN	$2,145.66
NH	NEWFIELDS TOWN	$1,380.10
NH	NEWMARKET TOWN	$2,312.58
NH	NEWPORT	$852.80
NH	NEWTON TOWN	$1,436.05

NH	NORTHUMBERLAND TOWN	$1,707.77
NH	ORFORD TOWN	$347.20
NH	PORTSMOUTH CITY	$5,103.76
NH	RINDGE TOWN	$346.77
NH	RUMNEY TOWN	$345.03
NH	SALEM TOWN	$2,742.84
NH	SOMERSWORTH CITY	$885.35
NH	SWANZEY TOWN	$984.09
NH	WAKEFIELD TOWN	$657.50
NH	WINDHAM TOWN	$2,549.71
NH	WOLFEBORO TOWN	$1,475.58
	Totals for NH(51 Jurisdictions):	**$140,809.05**
NJ	ABSECON CITY	$3,471.95
NJ	ALLENTOWN BOROUGH	$1,087.16
NJ	ANDOVER TOWNSHIP	$1,669.49
NJ	ASBURY PARK CITY	$8,244.84
NJ	ATLANTIC CITY	$23,790.13
NJ	ATLANTIC HIGHLANDS BOROUGH	$1,735.22
NJ	AVALON BOROUGH	$1,892.21
NJ	BARNEGAT TOWNSHIP	$2,432.88
NJ	BARRINGTON BOROUGH	$2,159.12
NJ	BAYONNE CITY	$35,054.02
NJ	BEDMINSTER TOWNSHIP	$1,017.01
NJ	BELLEVILLE TOWNSHIP	$7,719.43
NJ	BELLMAWR BOROUGH	$1,268.13
NJ	BERGENFIELD BOROUGH	$2,289.32
NJ	BERKELEY TOWNSHIP	$5,909.25
NJ	BERLIN TOWNSHIP	$1,614.46
NJ	BERNARDS TOWNSHIP	$8,025.45
NJ	BERNARDSVILLE BOROUGH	$1,241.87
NJ	BLAIRSTOWN TOWNSHIP	$694.39
NJ	BLOOMFIELD TOWNSHIP	$9,764.84
NJ	BLOOMINGDALE BOROUGH	$1,840.35
NJ	BOGOTA BOROUGH	$2,839.97
NJ	BORDENTOWN CITY	$1,560.64
NJ	BORDENTOWN TOWNSHIP	$1,560.64
NJ	BOUND BROOK BOROUGH	$2,115.70
NJ	BRADLEY BEACH BOROUGH	$1,319.34
NJ	BRICK TOWNSHIP	$28,745.07
NJ	BRIDGETON CITY	$5,207.92
NJ	BRIGANTINE CITY	$3,055.31
NJ	BURLINGTON CITY	$4,582.97
NJ	BURLINGTON TOWNSHIP	$4,144.63
NJ	BUTLER BOROUGH	$1,952.97
NJ	BYRAM TOWNSHIP	$2,430.36
NJ	BRIDGEWATER TOWNSHIP	$7,942.07
NJ	CALDWELL BOROUGH	$1,920.42

NJ	CAPE MAY CITY	$1,979.01
NJ	CAPE MAY COUNTY	$17,012.51
NJ	CARLSTADT BOROUGH	$3,458.71
NJ	CARNEYS POINT TOWNSHIP	$2,408.66
NJ	CARTERET BOROUGH	$6,184.40
NJ	CEDAR GROVE TOWNSHIP	$10,059.95
NJ	CHATHAM BOROUGH	$1,828.63
NJ	CHERRY HILL TOWNSHIP	$6,764.91
NJ	CHESTER TOWNSHIP	$2,854.76
NJ	CHESTERFIELD TOWNSHIP	$1,909.57
NJ	CINNAMINSON TOWNSHIP	$4,096.90
NJ	CLARK TOWNSHIP	$788.66
NJ	CLAYTON BOROUGH	$1,867.30
NJ	CLIFTON CITY	$5,691.47
NJ	COLLINGSWOOD BOROUGH	$2,777.56
NJ	COLTS NECK TOWNSHIP	$1,699.09
NJ	CRANFORD TOWNSHIP	$3,680.70
NJ	CRESSKILL BOROUGH	$2,061.47
NJ	DEAL BOROUGH	$1,054.61
NJ	DELANCO TOWNSHIP	$381.92
NJ	DELRAN TOWNSHIP	$2,837.45
NJ	DENVILLE TOWNSHIP	$4,166.33
NJ	DOVER TOWN	$1,909.57
NJ	DUMONT BOROUGH	$2,536.26
NJ	DUNELLEN BOROUGH	$1,638.76
NJ	DEPTFORD TOWNSHIP	$5,995.61
NJ	EAST HANOVER TOWNSHIP	$2,161.29
NJ	EAST RUTHERFORD BOROUGH	$3,258.31
NJ	EASTAMPTON TOWNSHIP	$713.92
NJ	EATONTOWN BOROUGH	$2,291.49
NJ	EDGEWATER BOROUGH	$2,343.54
NJ	EDGEWATER PARK TOWNSHIP	$1,909.57
NJ	EGG HARBOR CITY	$2,115.72
NJ	EGG HARBOR TOWNSHIP	$7,942.07
NJ	ELK TOWNSHIP	$1,301.98
NJ	ELMWOOD PARK BOROUGH	$3,905.94
NJ	EVESHAM TOWNSHIP	$2,611.77
NJ	EWING TOWNSHIP	$10,640.38
NJ	EAST WINDSOR TOWNSHIP	$4,253.11
NJ	FAIR LAWN BOROUGH	$3,958.02
NJ	FAIRFIELD TOWNSHIP	$2,731.12
NJ	FAIRVIEW BOROUGH	$2,568.20
NJ	FANWOOD BOROUGH	$2,038.52
NJ	FAR HILLS BOROUGH	$694.39
NJ	FLORENCE TOWNSHIP	$5,316.41
NJ	FLORHAM PARK BOROUGH	$2,752.60
NJ	FORT LEE BOROUGH	$15,740.92

NJ	FRANKLIN BOROUGH	$824.59
NJ	FRANKLIN TOWNSHIP	$4,396.78
NJ	FREEHOLD BOROUGH	$1,722.09
NJ	FREEHOLD TOWNSHIP	$2,582.26
NJ	GALLOWAY TOWNSHIP	$5,761.26
NJ	GARFIELD CITY	$4,773.23
NJ	GARWOOD BOROUGH	$1,041.59
NJ	GLEN ROCK BOROUGH	$3,567.41
NJ	GLOUCESTER CITY	$1,950.80
NJ	GLOUCESTER TOWNSHIP	$17,316.31
NJ	GREEN BROOK TOWNSHIP	$3,386.05
NJ	GREENWICH TOWNSHIP	$2,083.17
NJ	HACKENSACK CITY	$32,809.84
NJ	HACKETTSTOWN TOWN	$1,735.98
NJ	HADDON HEIGHTS BOROUGH	$989.51
NJ	HADDON TOWNSHIP	$5,099.42
NJ	HADDONFIELD BOROUGH	$1,319.34
NJ	HALEDON BOROUGH	$1,952.97
NJ	HAMBURG BOROUGH	$1,156.16
NJ	HAMILTON TOWNSHIP (MAYS LANDING)	$5,043.00
NJ	HAMILTON TOWNSHIP (TRENTON)	$17,030.00
NJ	HAMMONTON TOWN	$2,330.55
NJ	HANOVER TOWNSHIP	$1,735.22
NJ	HARDYSTON TOWNSHIP	$1,920.86
NJ	HARRISON TOWN	$1,840.35
NJ	HARRISON TOWNSHIP	$1,664.80
NJ	HARVEY CEDARS BOROUGH	$1,037.68
NJ	HAWTHORNE BOROUGH	$3,471.95
NJ	HAZLET TOWNSHIP	$3,819.14
NJ	HI NELLA BOROUGH	$1,145.75
NJ	HIGH BRIDGE BOROUGH	$690.70
NJ	HIGHLANDS BOROUGH	$2,766.71
NJ	HIGHTSTOWN BOROUGH	$1,024.23
NJ	HILLSBOROUGH TOWNSHIP	$2,486.78
NJ	HILLSDALE BOROUGH	$2,777.56
NJ	HILLSIDE TOWNSHIP	$8,663.69
NJ	HOBOKEN CITY	$14,786.31
NJ	HOLMDEL TOWNSHIP	$2,082.26
NJ	HOPATCONG BOROUGH	$4,459.02
NJ	HOWELL TOWNSHIP	$26,988.27
NJ	HIGHLAND PARK	$3,124.75
NJ	IRVINGTON TOWNSHIP	$45,272.51
NJ	JACKSON TOWNSHIP	$6,965.59
NJ	JAMESBURG BOROUGH	$1,735.98
NJ	JEFFERSON TOWNSHIP	$2,167.80
NJ	KEANSBURG BOROUGH	$3,140.90
NJ	KEARNY TOWN	$4,368.14

NJ	KENILWORTH BOROUGH	$2,688.59
NJ	KINNELON BOROUGH	$1,952.97
NJ	LACEY TOWNSHIP	$1,354.06
NJ	LAUREL SPRINGS BOROUGH	$763.83
NJ	LAWRENCE TOWNSHIP	$3,471.95
NJ	LEONIA BOROUGH	$742.13
NJ	LITTLE EGG HARBOR TOWNSHIP	$2,688.59
NJ	LITTLE FALLS TOWNSHIP	$2,396.51
NJ	LITTLE FERRY BOROUGH	$1,952.97
NJ	LIVINGSTON TOWNSHIP	$4,329.11
NJ	LOGAN TOWNSHIP	$866.25
NJ	LONG BEACH TOWNSHIP	$4,435.85
NJ	LONG BRANCH CITY	$7,561.89
NJ	LONG HILL TOWNSHIP	$6,397.92
NJ	LOWER ALLOWAYS CREEK TOWNSHIP	$2,083.17
NJ	LOWER TOWNSHIP	$6,130.58
NJ	LUMBERTON TOWNSHIP	$1,216.05
NJ	LYNDHURST TOWNSHIP	$5,152.97
NJ	MADISON BOROUGH	$4,166.07
NJ	MAGNOLIA BOROUGH	$1,145.75
NJ	MANALAPAN TOWNSHIP	$4,735.73
NJ	MANCHESTER TOWNSHIP	$6,874.45
NJ	MANSFIELD TOWNSHIP	$1,157.38
NJ	MANTOLOKING BOROUGH	$1,311.96
NJ	MANTUA TOWNSHIP	$2,931.62
NJ	MANVILLE BOROUGH	$5,552.68
NJ	MAPLE SHADE TOWNSHIP	$3,780.95
NJ	MAPLEWOOD TOWNSHIP	$1,581.13
NJ	MARLBORO TOWNSHIP	$8,623.11
NJ	MAYWOOD BOROUGH	$3,819.14
NJ	MEDFORD LAKES BOROUGH	$716.96
NJ	MEDFORD TOWNSHIP	$2,116.59
NJ	MENDHAM TOWNSHIP	$834.75
NJ	MERCHANTVILLE BOROUGH	$927.01
NJ	METUCHEN BOROUGH	$2,430.36
NJ	MIDDLE TOWNSHIP	$4,062.18
NJ	MIDDLESEX BOROUGH	$3,859.07
NJ	MIDDLETOWN TOWNSHIP	$29,053.25
NJ	MIDLAND PARK BOROUGH	$2,308.85
NJ	MILLTOWN BOROUGH	$3,905.94
NJ	MILLVILLE CITY	$8,106.99
NJ	MONROE TOWNSHIP	$7,561.89
NJ	MONTCLAIR TOWNSHIP	$8,179.90
NJ	MONTGOMERY TOWNSHIP	$2,728.78
NJ	MONTVALE BOROUGH	$2,083.17
NJ	MONTVILLE TOWNSHIP	$3,819.14
NJ	MOORESTOWN TOWNSHIP	$3,531.01

NJ	MORRIS PLAINS BOROUGH	$1,560.64
NJ	MORRIS TOWNSHIP	$7,453.76
NJ	MORRISTOWN TOWN	$20,202.36
NJ	MOUNT ARLINGTON BOROUGH	$1,288.96
NJ	MOUNT EPHRAIM BOROUGH	$1,614.46
NJ	MOUNT HOLLY TOWNSHIP	$1,600.35
NJ	MOUNT LAUREL TOWNSHIP	$7,579.25
NJ	MOUNT OLIVE TOWNSHIP	$4,860.72
NJ	MOUNTAIN LAKES BOROUGH	$781.19
NJ	MOUNTAINSIDE BOROUGH	$2,430.36
NJ	MULLICA TOWNSHIP	$1,041.59
NJ	NEPTUNE CITY BOROUGH	$1,243.39
NJ	NEPTUNE TOWNSHIP	$1,657.86
NJ	NEW BRUNSWICK CITY	$11,487.25
NJ	NEW PROVIDENCE BOROUGH	$5,761.26
NJ	NEWTON TOWN	$3,072.67
NJ	NORTH ARLINGTON BOROUGH	$4,685.17
NJ	NORTH BERGEN TOWNSHIP	$2,673.40
NJ	NORTH BRUNSWICK TOWNSHIP	$7,246.81
NJ	NORTH CALDWELL BOROUGH	$1,170.48
NJ	NORTH HALEDON BOROUGH	$3,277.52
NJ	NORTH PLAINFIELD BOROUGH	$2,608.96
NJ	NORTHFIELD CITY	$1,388.78
NJ	NUTLEY TOWNSHIP	$5,324.12
NJ	OAKLAND BOROUGH	$1,728.38
NJ	OAKLYN BOROUGH	$1,614.46
NJ	OCEAN CITY	$4,993.09
NJ	OCEAN GATE BOROUGH	$780.32
NJ	OCEAN TOWNSHIP (OAKHURST)	$2,978.93
NJ	OCEAN TOWNSHIP (WARETOWN)	$2,026.75
NJ	OLD BRIDGE TOWNSHIP	$16,804.20
NJ	OLD TAPPAN BOROUGH	$1,562.38
NJ	ORADELL BOROUGH	$2,072.32
NJ	PALISADES PARK BOROUGH	$3,124.75
NJ	PALMYRA BOROUGH	$1,152.26
NJ	PARAMUS BOROUGH	$11,815.45
NJ	PARK RIDGE BOROUGH	$381.92
NJ	PARSIPPANY-TROY HILLS TOWNSHIP	$11,660.78
NJ	PASSAIC CITY	$31,546.06
NJ	PAULSBORO BOROUGH	$1,963.39
NJ	PEMBERTON BOROUGH	$347.20
NJ	PENNSAUKEN TOWNSHIP	$10,329.03
NJ	PENNSVILLE TOWNSHIP	$1,361.87
NJ	PEQUANNOCK TOWNSHIP	$422.71
NJ	PERTH AMBOY CITY	$2,072.32
NJ	PHILLIPSBURG TOWN	$2,958.97
NJ	PINE BEACH BOROUGH	$867.99

NJ	PINE HILL BOROUGH	$2,432.10
NJ	PISCATAWAY TOWNSHIP	$2,378.90
NJ	PLAINFIELD CITY	$10,195.27
NJ	PLAINSBORO TOWNSHIP	$6,159.79
NJ	PLUMSTED TOWNSHIP	$776.85
NJ	POINT PLEASANT BEACH BOROUGH	$2,718.53
NJ	POINT PLEASANT BOROUGH	$3,031.70
NJ	POMPTON LAKES BOROUGH	$9,346.04
NJ	RAHWAY CITY	$6,943.89
NJ	RANDOLPH TOWNSHIP	$5,207.92
NJ	RARITAN BOROUGH	$2,113.59
NJ	RARITAN TOWNSHIP	$4,743.37
NJ	RED BANK BOROUGH	$2,776.34
NJ	RIDGEFIELD BOROUGH	$2,304.51
NJ	RIDGEFIELD PARK VILLAGE	$5,045.26
NJ	RIDGEWOOD VILLAGE	$10,089.46
NJ	RINGWOOD BOROUGH	$906.44
NJ	RIVER EDGE BOROUGH	$2,415.61
NJ	RIVER VALE TOWNSHIP	$1,551.96
NJ	RIVERDALE BOROUGH	$1,254.49
NJ	RIVERSIDE TOWNSHIP	$3,315.71
NJ	RIVERTON BOROUGH	$696.78
NJ	ROCKAWAY BOROUGH	$1,735.98
NJ	ROSELAND BOROUGH	$1,989.10
NJ	ROSELLE BOROUGH	$3,348.00
NJ	ROSELLE PARK BOROUGH	$3,633.39
NJ	ROXBURY TOWNSHIP	$10,143.71
NJ	RUNNEMEDE BOROUGH	$1,145.75
NJ	RUTHERFORD BOROUGH	$5,152.97
NJ	SADDLE RIVER BOROUGH	$1,152.26
NJ	SALEM CITY	$780.32
NJ	SALEM COUNTY	$2,810.11
NJ	SAYREVILLE BOROUGH	$639.43
NJ	SCOTCH PLAINS TOWNSHIP	$2,723.09
NJ	SECAUCUS TOWN	$3,756.34
NJ	SOMERDALE BOROUGH	$2,291.49
NJ	SOMERVILLE BOROUGH	$768.17
NJ	SOUTH BRUNSWICK TOWNSHIP	$724.69
NJ	SOUTH HACKENSACK TOWNSHIP	$1,160.94
NJ	SOUTH ORANGE VILLAGE TOWNSHIP	$12,761.99
NJ	SOUTH RIVER BOROUGH	$3,536.48
NJ	SPARTA TOWNSHIP	$2,330.11
NJ	SPRING LAKE HTS BOROUGH	$2,115.72
NJ	STANHOPE BOROUGH	$423.15
NJ	STRATFORD BOROUGH	$1,527.66
NJ	SUMMIT CITY	$768.34
NJ	TEANECK TOWNSHIP	$6,596.69

NJ	TENAFLY BOROUGH	$1,954.92
NJ	TOTOWA BOROUGH	$3,840.84
NJ	TRENTON CITY	$32,606.00
NJ	UNION CITY	$11,522.51
NJ	UNION TOWNSHIP	$15,887.17
NJ	UPPER SADDLE RIVER BOROUGH	$1,335.40
NJ	VENTNOR CITY	$2,369.60
NJ	VINELAND CITY	$7,609.15
NJ	VOORHEES TOWNSHIP	$4,036.14
NJ	WALL TOWNSHIP	$3,868.61
NJ	WANAQUE BOROUGH	$2,072.32
NJ	WARREN TOWNSHIP	$1,840.35
NJ	WASHINGTON TOWNSHIP (LONG VALLEY)	$4,153.31
NJ	WASHINGTON TOWNSHIP (ROBBINSVILLE)	$2,174.05
NJ	WASHINGTON TOWNSHIP (TURNERSVILLE)	$8,917.68
NJ	WAYNE TOWNSHIP	$21,135.44
NJ	WEEHAWKEN TOWNSHIP	$1,763.58
NJ	WEST AMWELL TOWNSHIP	$683.54
NJ	WEST DEPTFORD TOWNSHIP	$3,711.09
NJ	WEST MILFORD TOWNSHIP	$4,590.65
NJ	WEST NEW YORK TOWN	$7,985.47
NJ	WEST ORANGE TOWNSHIP	$12,146.29
NJ	WEST PATERSON BOROUGH	$2,290.42
NJ	WEST WILDWOOD BOROUGH	$832.40
NJ	WEST WINDSOR TOWNSHIP	$1,506.83
NJ	WESTAMPTON TOWNSHIP	$1,562.38
NJ	WESTFIELD TOWN	$6,348.84
NJ	WESTWOOD BOROUGH	$2,115.72
NJ	WHARTON BOROUGH	$3,756.34
NJ	WILDWOOD CITY	$11,283.81
NJ	WILDWOOD CREST BOROUGH	$1,920.42
NJ	WILLINGBORO TOWNSHIP	$7,916.03
NJ	WINSLOW TOWNSHIP	$6,492.53
NJ	WOODBURY HEIGHTS BOROUGH	$1,268.16
NJ	WOODCLIFF LAKE BOROUGH	$1,145.75
NJ	WASHINGTON TOWNSHIP	$3,064.21
NJ	WOODLYNNE BOROUGH	$1,132.73
	Totals for NJ(307 Jurisdictions):	**$1,414,131.94**
NM	ALAMOGORDO CITY	$5,854.57
NM	AZTEC CITY	$1,388.78
NM	BELEN CITY	$1,692.58
NM	BERNALILLO TOWN	$3,276.65
NM	CHAVES COUNTY	$6,943.89
NM	CIBOLA COUNTY	$5,902.30
NM	CLOVIS CITY	$6,051.60
NM	CURRY COUNTY	$3,697.62
NM	FARMINGTON CITY	$26,039.56

NM	HOBBS CITY	$16,561.16
NM	JICARILLA APACHE TRIBE	$8,679.86
NM	LAS VEGAS CITY	$1,566.72
NM	LINCOLN COUNTY	$1,041.59
NM	LOGAN VILLAGE	$517.67
NM	LOS LUNAS VILLAGE	$6,492.43
NM	LOVINGTON CITY	$1,241.22
NM	LOS ALAMOS COUNTY	$2,506.75
NM	MILAN VILLAGE	$1,064.76
NM	OTERO COUNTY	$4,166.33
NM	PUEBLO OF JEMEZ	$3,159.47
NM	PUEBLO OF SANDIA	$2,864.36
NM	RAMAH NAVAJO CHAPTER	$1,373.59
NM	RIO ARRIBA COUNTY	$5,610.88
NM	RIO RANCHO CITY	$36,455.38
NM	RUIDOSO VILLAGE	$5,529.07
NM	SAN MIGUEL COUNTY	$1,692.58
NM	SANTA FE CITY	$14,755.75
NM	SANTA ROSA CITY	$1,041.59
NM	SILVER CITY TOWN	$2,877.33
NM	SOCORRO COUNTY	$4,344.27
NM	TAOS TOWN	$2,083.17
NM	VALENCIA COUNTY	$5,555.11
	Totals for NM(32 Jurisdictions):	**$192,028.59**
NV	BOULDER CITY	$4,687.12
NV	CARLIN CITY	$566.35
NV	ELKO CITY	$2,734.16
NV	ELKO COUNTY	$7,540.63
NV	EUREKA COUNTY	$1,983.35
NV	LYON COUNTY	$7,638.27
NV	MINERAL COUNTY	$3,276.37
NV	NYE COUNTY	$31,208.41
NV	STOREY COUNTY	$1,387.05
NV	WEST WENDOVER CITY	$1,301.98
NV	WHITE PINE COUNTY	$9,808.24
	Totals for NV(11 Jurisdictions):	**$72,131.93**
NY	ALBANY CITY	$18,205.36
NY	ALLEGANY COUNTY	$5,813.78
NY	AMITYVILLE VILLAGE	$1,342.67
NY	AMSTERDAM CITY	$4,066.52
NY	ANGELICA VILLAGE	$753.94
NY	ARCADE VILLAGE	$1,296.77
NY	ARDSLEY VILLAGE	$238.70
NY	ATHENS VILLAGE	$4,955.77
NY	AUBURN CITY	$3,471.95
NY	AVON VILLAGE	$650.99
NY	BALDWINSVILLE VILLAGE	$2,554.25

NY	BATAVIA CITY	$3,530.97
NY	BEACON CITY	$3,081.35
NY	BETHLEHEM TOWN	$13,736.83
NY	BINGHAMTON CITY	$18,054.10
NY	BLASDELL VILLAGE	$3,806.34
NY	BLOOMING GROVE TOWN	$2,169.97
NY	BRANT TOWN	$1,827.98
NY	BREWSTER VILLAGE	$2,202.52
NY	BRIGHTON TOWN	$15,233.14
NY	BROCKPORT VILLAGE	$1,133.59
NY	CAIRO TOWN	$4,860.72
NY	CANAJOHARIE VILLAGE	$2,712.46
NY	CANANDAIGUA CITY	$3,363.45
NY	CATSKILL VILLAGE	$4,860.72
NY	CATTARAUGUS COUNTY	$5,146.72
NY	CAYUGA COUNTY	$5,823.14
NY	CHEEKTOWAGA TOWN	$2,869.56
NY	CHEMUNG COUNTY	$5,175.37
NY	CHENANGO COUNTY	$1,735.98
NY	CHESTER TOWN	$1,768.52
NY	CHITTENANGO VILLAGE	$3,471.95
NY	CLARKSTOWN TOWN	$14,559.55
NY	CLINTON COUNTY	$1,019.89
NY	COHOES CITY	$1,735.98
NY	COLCHESTER TOWN	$1,408.74
NY	COLONIE TOWN	$6,148.81
NY	COLUMBIA COUNTY	$5,667.95
NY	CORFU VILLAGE	$1,735.98
NY	CORNING CITY	$943.94
NY	CORNWALL ON HUDSON VILLAGE	$1,518.98
NY	CORNWALL TOWN	$1,410.48
NY	CORTLAND CITY	$3,949.34
NY	CROTON ON HUDSON VILLAGE	$3,037.95
NY	DE WITT TOWN	$10,096.41
NY	DEERPARK TOWN	$2,288.67
NY	DELAWARE COUNTY	$2,230.73
NY	DEPEW VILLAGE	$2,624.79
NY	DEPOSIT VILLAGE	$2,083.17
NY	DOBBS FERRY VILLAGE	$643.46
NY	DOLGEVILLE VILLAGE	$3,597.37
NY	DRYDEN VILLAGE	$1,822.77
NY	DUNKIRK CITY	$2,366.13
NY	EAST AURORA VILLAGE	$1,699.09
NY	EAST FISHKILL TOWN	$3,819.14
NY	EAST GREENBUSH TOWN	$1,301.98
NY	EAST HAMPTON TOWN	$6,249.50
NY	EASTCHESTER TOWN	$11,058.14

NY	ELLENVILLE VILLAGE	$3,341.75
NY	ELMIRA CITY	$5,671.42
NY	ENDICOTT VILLAGE	$2,213.37
NY	EVANS TOWN	$1,879.19
NY	FALLSBURG TOWN	$694.39
NY	FISHKILL TOWN	$3,296.69
NY	FORT PLAIN VILLAGE	$4,732.69
NY	FRANKLIN COUNTY	$1,002.53
NY	FREDONIA VILLAGE	$3,472.38
NY	FREEPORT VILLAGE	$9,725.78
NY	FRIENDSHIP TOWN	$867.99
NY	FULTON CITY	$6,315.40
NY	GARDEN CITY VILLAGE	$9,721.44
NY	GATES TOWN	$1,236.34
NY	GENESEE COUNTY	$11,956.50
NY	GENESEO VILLAGE	$1,267.26
NY	GENEVA CITY	$4,203.22
NY	GLEN FALLS CITY	$4,502.24
NY	GLENVILLE TOWN	$5,631.06
NY	GLOVERSVILLE CITY	$3,662.90
NY	GOSHEN VILLAGE	$4,058.11
NY	GRAND ISLAND TOWN	$1,942.12
NY	GREAT NECK ESTATES VILLAGE	$870.05
NY	GREECE TOWN	$4,309.92
NY	GREENBURGH TOWN	$5,641.91
NY	GREENE COUNTY	$4,083.01
NY	GREENPORT TOWN	$1,314.13
NY	GREENWOOD LAKE VILLAGE	$1,504.88
NY	GUILDERLAND TOWN	$6,429.17
NY	HAMBURG TOWN	$5,886.38
NY	HANCOCK VILLAGE	$1,562.38
NY	HARRISON TOWN	$7,280.23
NY	HAVERSTRAW TOWN	$9,027.05
NY	HERKIMER COUNTY	$5,902.30
NY	HERKIMER VILLAGE	$4,057.84
NY	HIGHLAND FALLS VILLAGE	$3,254.95
NY	HORNELL CITY	$1,740.10
NY	HUDSON FALLS VILLAGE	$1,016.85
NY	ILION VILLAGE	$567.67
NY	IRONDEQUOIT TOWN	$3,129.09
NY	ITHACA CITY	$7,811.87
NY	JAMESTOWN CITY	$3,083.64
NY	JOHNSON CITY VILLAGE	$3,992.74
NY	JOHNSTOWN CITY	$5,871.40
NY	KENMORE VILLAGE	$1,009.04
NY	KINGSTON CITY	$24,477.19
NY	LACKAWANNA CITY	$5,494.35

NY	LAKE SUCCESS VILLAGE	$940.68
NY	LAKEWOOD VILLAGE	$1,518.98
NY	LANCASTER TOWN	$2,465.08
NY	LARCHMONT VILLAGE	$4,351.21
NY	LE ROY TOWN	$1,105.38
NY	LEWISBORO TOWN	$1,432.18
NY	LEWISTON VILLAGE	$6,590.10
NY	LITTLE FALLS CITY	$8,679.86
NY	LIVERPOOL VILLAGE	$4,627.41
NY	LIVINGSTON COUNTY	$5,363.72
NY	LOCKPORT CITY	$6,065.05
NY	LONG BEACH CITY	$1,562.38
NY	LOWVILLE VILLAGE	$2,625.66
NY	MACEDON TOWN	$694.39
NY	MADISON COUNTY	$15,223.77
NY	MAMARONECK TOWN	$2,083.17
NY	MAMARONECK VILLAGE	$1,462.91
NY	MANLIUS TOWN	$1,578.39
NY	MARLBOROUGH TOWN	$3,558.74
NY	MAYBROOK VILLAGE	$3,356.94
NY	MEDINA VILLAGE	$2,994.55
NY	MENANDS VILLAGE	$722.17
NY	MIDDLETOWN CITY	$8,245.86
NY	MOHAWK VILLAGE	$1,489.47
NY	MONROE VILLAGE	$1,979.01
NY	MONTGOMERY COUNTY	$28,117.95
NY	MONTGOMERY VILLAGE	$1,488.60
NY	MONTICELLO VILLAGE	$5,468.31
NY	MOUNT HOPE TOWN	$3,775.74
NY	MOUNT PLEASANT TOWN	$3,769.66
NY	MOUNT VERNON CITY	$12,151.80
NY	MT. MORRIS	$1,150.09
NY	NASSAU VILLAGE	$1,084.99
NY	NEW BERLIN TOWN	$2,809.67
NY	NEW CASTLE TOWN	$5,359.81
NY	NEW HARTFORD TOWN	$6,140.13
NY	NEW ROCHELLE CITY	$11,066.82
NY	NEW WINDSOR TOWN	$5,348.96
NY	NEW YORK MILLS VILLAGE	$1,598.83
NY	NEWARK VILLAGE	$5,902.30
NY	NEWBURGH CITY	$6,577.60
NY	NEWBURGH TOWN	$1,263.79
NY	NIAGARA FALLS CITY	$45,894.72
NY	NORFOLK TOWN	$2,741.66
NY	NORTH CASTLE TOWN	$2,421.68
NY	NORTH GREENBUSH TOWN	$1,041.59
NY	NORTH SALEM TOWN	$976.49

NY	NORTH SYRACUSE VILLAGE	$2,603.96
NY	NORTHPORT VILLAGE	$2,148.27
NY	NUNDA TOWN	$2,030.11
NY	OGDEN TOWN	$3,652.05
NY	OLD BROOKVILLE VILLAGE	$3,385.15
NY	OLD WESTBURY VILLAGE	$2,112.46
NY	ONEIDA CITY	$1,735.98
NY	ONEONTA CITY	$1,553.59
NY	ORANGETOWN TOWN	$13,154.32
NY	ORCHARD PARK TOWN	$1,866.17
NY	ORLEANS COUNTY	$15,862.49
NY	OSSINING VILLAGE	$315.52
NY	OSWEGO CITY	$5,944.44
NY	OTSEGO COUNTY	$7,655.63
NY	OWEGO VILLAGE	$5,468.31
NY	PELHAM VILLAGE	$1,426.21
NY	PENN YAN VILLAGE	$1,388.78
NY	PIERMONT VILLAGE	$1,388.78
NY	PLATTSBURGH CITY	$850.20
NY	PLEASANTVILLE VILLAGE	$760.10
NY	PORT BYRON VILLAGE	$2,777.56
NY	PORT CHESTER VILLAGE	$6,835.39
NY	PORT JERVIS CITY	$3,126.92
NY	POTSDAM VILLAGE	$781.19
NY	POUGHKEEPSIE CITY	$6,143.95
NY	PULASKI VILLAGE	$1,577.57
NY	PORT WASHINGTON POLICE DISTRICT	$13,887.77
NY	QUOGUE VILLAGE	$2,133.08
NY	RENSSELAER CITY	$2,819.22
NY	RHINEBECK VILLAGE	$4,732.69
NY	ROCKVILLE CENTRE VILLAGE	$3,817.66
NY	ROME CITY	$3,609.09
NY	ROTTERDAM TOWN	$1,783.71
NY	RYE BROOK VILLAGE	$3,124.75
NY	RYE CITY	$4,105.57
NY	SAG HARBOR VILLAGE	$388.86
NY	SALAMANCA CITY	$2,226.39
NY	SARANAC LAKE VILLAGE	$1,258.58
NY	SARATOGA SPRINGS CITY	$12,151.80
NY	SAUGERTIES TOWN	$4,166.33
NY	SCHODACK TOWN	$5,555.11
NY	SCHOHARIE COUNTY	$3,574.37
NY	SCHUYLER COUNTY	$3,320.05
NY	SCOTIA VILLAGE	$2,213.37
NY	SENECA COUNTY	$2,836.58
NY	SENECA FALLS VILLAGE	$1,311.96
NY	SHELTER ISLAND TOWN	$1,212.15

NY	SHERBURNE VILLAGE	$2,347.90
NY	SHERRILL CITY	$345.68
NY	SLEEPY HOLLOW VILLAGE	$2,131.60
NY	SOMERS TOWN	$1,293.20
NY	SOUTHAMPTON TOWNSHIP	$14,028.82
NY	SOUTHOLD TOWN	$2,093.15
NY	SPRING VALLEY VILLAGE	$5,012.62
NY	SPRINGVILLE VILLAGE	$590.23
NY	ST JOHNSVILLE VILLAGE	$693.53
NY	STEUBEN COUNTY	$6,731.23
NY	SUFFERN VILLAGE	$3,761.42
NY	SULLIVAN COUNTY	$8,961.95
NY	TARRYTOWN VILLAGE	$325.50
NY	TIOGA COUNTY	$5,346.79
NY	TONAWANDA CITY	$1,809.75
NY	TONAWANDA TOWN	$5,348.96
NY	TOWN OF WINDHAM	$566.80
NY	TROY CITY	$17,186.11
NY	TUCKAHOE VILLAGE	$2,434.76
NY	TUPPER LAKE VILLAGE	$1,301.98
NY	TOWN OF ROCHESTER	$3,121.16
NY	ULSTER TOWN	$7,174.42
NY	UTICA CITY	$32,636.25
NY	VERNON VILLAGE	$1,735.98
NY	VESTAL TOWN	$3,675.92
NY	WALDEN VILLAGE	$2,551.88
NY	WALLKILL TOWN	$4,140.29
NY	WARREN COUNTY	$2,669.93
NY	WARWICK TOWN	$2,281.94
NY	WASHINGTON COUNTY	$45,714.62
NY	WATERFRONT COMM OF NEW YORK HARBOR	$6,610.58
NY	WATERLOO VILLAGE	$501.27
NY	WATERTOWN CITY	$4,010.10
NY	WATERVLIET CITY	$2,581.05
NY	WAYNE COUNTY	$12,331.95
NY	WEBSTER TOWN	$2,735.89
NY	WEEDSPORT VILLAGE	$1,735.98
NY	WELLSVILLE VILLAGE	$1,375.07
NY	WEST SENECA TOWN	$6,509.89
NY	WESTHAMPTON BEACH VILLAGE	$3,667.24
NY	WHITE PLAINS CITY	$15,970.93
NY	WHITEHALL VILLAGE	$2,257.50
NY	WHITESBORO VILLAGE	$1,041.59
NY	WOODBURY TOWN	$2,564.03
NY	WOODSTOCK TOWN	$2,631.74
NY	WYOMING COUNTY	$4,166.33
NY	YATES COUNTY	$6,236.09

NY	YORKTOWN TOWN	$5,631.06
	Totals for NY(247 Jurisdictions):	**$1,149,863.03**
OH	AMBERLEY VILLAGE	$1,952.97
OH	AMERICAN TOWNSHIP	$817.65
OH	AMHERST CITY	$591.97
OH	ASHLAND COUNTY	$6,821.09
OH	ATHENS CITY	$4,144.63
OH	ATHENS COUNTY	$2,430.36
OH	AUSTINTOWN TOWNSHIP	$1,140.97
OH	BARBERTON CITY	$2,669.06
OH	BAY VILLAGE CITY	$462.53
OH	BEACHWOOD CITY	$3,791.93
OH	BEAVERCREEK CITY	$3,571.76
OH	BEDFORD CITY	$3,081.35
OH	BEDFORD HEIGHTS CITY	$3,795.49
OH	BELLBROOK CITY	$867.99
OH	BELLVILLE VILLAGE	$678.77
OH	BELMONT COUNTY	$4,105.82
OH	BEXLEY CITY	$1,843.39
OH	BLUE ASH CITY	$1,322.81
OH	BRATENAHL VILLAGE	$2,529.31
OH	BRECKSVILLE CITY	$1,479.27
OH	BROOK PARK CITY	$9,076.96
OH	BROOKFIELD TOWNSHIP	$2,065.81
OH	BROOKVILLE VILLAGE	$1,252.42
OH	BRUNSWICK CITY	$1,700.39
OH	BRUNSWICK HILLS TOWNSHIP	$1,518.98
OH	BRYAN CITY	$1,996.37
OH	BURTON VILLAGE	$1,861.83
OH	BUTLER TOWNSHIP	$1,447.37
OH	CAMBRIDGE CITY	$6,249.50
OH	CANFIELD CITY	$3,415.32
OH	CANTON CITY	$12,639.61
OH	CARLISLE VILLAGE	$1,388.78
OH	CHAGRIN FALLS VILLAGE	$856.71
OH	CHARDON VILLAGE	$3,824.69
OH	CHILLICOTHE CITY	$4,981.83
OH	CLAY TOWNSHIP	$1,546.27
OH	CLEAR CREEK TOWNSHIP	$1,646.57
OH	CLEVELAND HGHTS CITY	$4,964.52
OH	COLERAIN TOWNSHIP	$3,819.14
OH	CONNEAUT CITY	$1,790.22
OH	CORTLAND CITY	$1,497.28
OH	CUYAHOGA FALLS CITY	$5,989.10
OH	CUYAHOGA HEIGHTS VILLAGE	$1,982.91
OH	CUYAHOGA METROPOLITAN HOUSING AUTHORITY	$3,471.95
OH	DEER PARK CITY	$1,075.44

OH	DEFIANCE CITY	$4,433.67
OH	DELAWARE CITY	$2,992.82
OH	DELHI TOWNSHIP	$1,388.78
OH	DOYLESTOWN VILLAGE	$1,041.59
OH	DUBLIN CITY	$5,353.09
OH	EASTLAKE CITY	$1,380.97
OH	ELMORE VILLAGE	$561.59
OH	ELYRIA CITY	$8,010.16
OH	ENGLEWOOD CITY	$2,019.37
OH	ENON VILLAGE	$302.91
OH	EUCLID CITY	$27,081.14
OH	FAIRBORN CITY	$4,513.53
OH	FAIRFAX VILLAGE	$948.71
OH	FAIRFIELD CITY	$3,385.15
OH	FAIRLAWN CITY	$6,596.69
OH	FAYETTE VILLAGE	$347.20
OH	FINDLAY CITY	$4,000.50
OH	FOREST PARK CITY	$2,729.11
OH	FORT RECOVERY VILLAGE	$878.84
OH	FRANKLIN CITY	$4,254.15
OH	FRANKLIN TOWNSHIP	$3,528.04
OH	FREMONT CITY	$5,874.53
OH	FAIRFIELD TOWNSHIP	$1,371.60
OH	GALION CITY	$694.39
OH	GALLIA COUNTY	$3,037.95
OH	GARFIELD HEIGHTS CITY	$1,653.52
OH	GATES MILLS VILLAGE	$1,041.59
OH	GEAUGA COUNTY	$5,720.90
OH	GEAUGA PARK DISTRICT	$694.39
OH	GENEVA CITY	$1,939.82
OH	GENOA TOWNSHIP	$3,233.03
OH	GERMAN TOWNSHIP	$413.16
OH	GERMANTOWN VILLAGE	$5,776.36
OH	GIBSONBURG VILLAGE	$1,453.88
OH	GIRARD CITY	$2,842.66
OH	GOSHEN TOWNSHIP	$694.38
OH	GRAFTON VILLAGE	$4,457.11
OH	GREEN TOWNSHIP	$3,471.95
OH	GREENHILLS VILLAGE	$347.20
OH	GROVE CITY	$7,030.82
OH	GROVEPORT VILLAGE	$3,066.36
OH	HAMILTON CITY	$10,550.84
OH	HANCOCK COUNTY	$5,811.59
OH	HARDIN COUNTY	$1,386.70
OH	HARRISON CITY	$5,175.37
OH	HARRISON COUNTY	$1,724.26
OH	HARTVILLE VILLAGE	$855.73

OH	HIGHLAND COUNTY	$2,430.36
OH	HIGHLAND HEIGHTS CITY	$3,952.81
OH	HILLIARD CITY	$4,880.25
OH	HILLS AND DALES VILLAGE	$1,041.57
OH	HILLSBORO CITY	$1,130.03
OH	HOCKING COUNTY	$9,668.49
OH	HOLLAND VILLAGE	$802.89
OH	HOLMES COUNTY	$1,180.46
OH	HOWLAND TOWNSHIP	$7,138.33
OH	HUBER HEIGHTS CITY	$2,330.96
OH	HUDSON VILLAGE CITY	$1,952.95
OH	HURON CITY	$1,322.60
OH	HURON COUNTY	$5,524.69
OH	JACKSON COUNTY	$4,278.63
OH	JACKSON TOWNSHIP	$3,341.75
OH	KENTON CITY	$1,293.22
OH	KIRTLAND CITY	$1,142.27
OH	KIRTLAND HILLS VILLAGE	$691.79
OH	LAKEWOOD CITY	$3,938.49
OH	LANCASTER CITY	$3,763.15
OH	LIMA CITY	$7,612.24
OH	LODI VILLAGE	$260.40
OH	LONDON CITY	$4,984.41
OH	LORAIN CITY	$11,734.30
OH	LORDSTOWN VILLAGE	$4,253.13
OH	LOVELAND CITY	$2,083.17
OH	LYNDHURST CITY	$4,166.33
OH	LIBERTY TOWNSHIP	$1,537.53
OH	MADEIRA CITY	$1,701.92
OH	MANSFIELD CITY	$11,457.41
OH	MANTUA VILLAGE	$1,038.46
OH	MARIEMONT VILLAGE	$1,566.33
OH	MARION COUNTY	$11,652.58
OH	MARSHALLVILLE VILLAGE	$1,041.59
OH	MARYSVILLE CITY	$5,902.30
OH	MASON CITY	$3,732.34
OH	MAUMEE CITY	$2,083.17
OH	MAYFIELD VILLAGE	$4,296.53
OH	MCDONALD VILLAGE	$570.49
OH	MEDINA CITY	$4,739.20
OH	MENTOR CITY	$8,612.15
OH	MIAMI TOWNSHIP	$3,747.53
OH	MIAMISBURG CITY	$2,937.27
OH	MIDDLEBURG HEIGHTS CITY	$3,124.75
OH	MINERVA PARK VILLAGE	$1,367.08
OH	MONROEVILLE VILLAGE	$694.39
OH	MONTGOMERY CITY	$1,496.41

OH	MONTVILLE TOWNSHIP	$1,770.69
OH	MORAINE CITY	$4,418.09
OH	MORROW VILLAGE	$2,200.35
OH	MOUNT HEALTHY CITY	$1,054.61
OH	MOUNT VERNON CITY	$3,642.50
OH	MUSKINGUM COUNTY	$2,992.82
OH	NAPOLEON CITY	$1,790.22
OH	NEWARK CITY	$3,152.53
OH	NEWTON FALLS VILLAGE	$7,844.89
OH	NEWTOWN VILLAGE	$775.06
OH	NORTH COLLEGE HILL CITY	$4,513.53
OH	NORTH OLMSTED CITY	$4,713.16
OH	NORTH RIDGEVILLE CITY	$6,201.76
OH	NORTH ROYALTON CITY	$2,430.36
OH	NORTHFIELD VILLAGE	$2,603.96
OH	NORTHWOOD CITY	$2,382.49
OH	NORTON CITY	$1,176.56
OH	NORWALK CITY	$8,679.86
OH	NORWOOD CITY	$5,370.66
OH	OAKWOOD CITY	$2,430.36
OH	OAKWOOD VILLAGE	$2,083.17
OH	OBERLIN CITY	$1,952.97
OH	ORANGE VILLAGE	$3,924.17
OH	OREGON CITY	$4,426.73
OH	OTTAWA COUNTY	$3,124.71
OH	OTTAWA HILLS VILLAGE	$802.89
OH	OWENSVILLE VILLAGE	$2,812.28
OH	OLMSTED TOWNSHIP	$650.99
OH	PAINESVILLE CITY	$4,210.70
OH	PANDORA VILLAGE	$1,236.88
OH	PARMA CITY	$3,994.47
OH	PARMA HEIGHTS CITY	$1,419.16
OH	PEPPER PIKE CITY	$2,770.61
OH	PERKINS TOWNSHIP	$347.19
OH	PERRYSBURG CITY	$6,249.50
OH	PICKAWAY COUNTY	$3,610.09
OH	PIQUA CITY	$4,283.51
OH	PLAIN CITY VILLAGE	$225.68
OH	POLAND TOWNSHIP	$2,430.36
OH	PORTSMOUTH CITY	$2,083.17
OH	POWELL VILLAGE	$1,984.22
OH	PERRY TOWNSHIP	$4,911.50
OH	RAVENNA CITY	$2,896.08
OH	READING CITY	$3,710.60
OH	REMINDERVILLE VILLAGE	$2,920.99
OH	REYNOLDSBURG CITY	$7,612.24
OH	RICHFIELD VILLAGE	$595.31

OH	RICHMOND HEIGHTS CITY	$2,430.36
OH	RITTMAN CITY	$1,735.98
OH	ROSS TOWNSHIP	$1,163.11
OH	SAGAMORE HILLS TOWNSHIP	$1,076.96
OH	SANDUSKY CITY	$3,471.95
OH	SANDUSKY COUNTY	$1,945.94
OH	SARDINIA VILLAGE	$2,846.31
OH	SENECA COUNTY	$11,522.51
OH	SEVEN HILLS CITY	$1,866.45
OH	SHAKER HEIGHTS CITY	$4,839.89
OH	SHARONVILLE CITY	$4,266.15
OH	SHAWNEE TOWNSHIP	$1,388.78
OH	SHELBY CITY	$1,016.85
OH	SIDNEY CITY	$1,334.40
OH	SILVER LAKE VILLAGE	$1,041.57
OH	SINCLAIR COMMUNITY COLL	$3,741.02
OH	SOLON CITY	$1,020.13
OH	SOUTH EUCLID CITY	$2,805.77
OH	SPRINGDALE CITY	$2,083.17
OH	SPRINGFIELD CITY	$12,568.38
OH	SPRINGFIELD TOWNSHIP (AKRON)	$1,145.75
OH	SPRINGFIELD TOWNSHIP (CINCINNATI)	$6,596.69
OH	SPRINGFIELD TOWNSHIP (NEW SPRINGFIELD)	$823.18
OH	ST BERNARD CITY	$1,336.70
OH	STOW CITY	$835.44
OH	STRONGSVILLE CITY	$17,251.21
OH	STRUTHERS CITY	$2,734.16
OH	SYLVANIA TOWNSHIP	$5,852.40
OH	TERRACE PARK VILLAGE	$743.00
OH	TRENTON CITY	$668.35
OH	TROTWOOD CITY	$4,109.05
OH	TROY CITY	$5,207.92
OH	TUSCARAWAS COUNTY	$3,176.83
OH	TWINSBURG CITY	$3,562.22
OH	UNION CITY	$4,296.53
OH	UNION COUNTY	$6,698.68
OH	UNION TOWNSHIP	$2,504.84
OH	UNIVERSITY HEIGHTS CITY	$2,606.56
OH	UPPER ARLINGTON CITY	$3,379.26
OH	URBANA CITY	$694.39
OH	VALLEY VIEW VILLAGE	$2,343.56
OH	VANDALIA CITY	$2,402.59
OH	VERMILION CITY	$2,632.08
OH	WADSWORTH CITY	$6,943.89
OH	WAKEMAN VILLAGE	$911.38
OH	WALTON HILLS VILLAGE	$795.51
OH	WARREN CITY	$4,595.73

OH	WARRENSVILLE HEIGHTS CITY	$3,124.75
OH	WASHINGTON COUNTY	$4,936.67
OH	WAUSEON CITY	$843.69
OH	WAYNESBURG VILLAGE	$1,432.18
OH	WEATHERSFIELD TOWNSHIP	$1,388.78
OH	WELLINGTON VILLAGE	$6,824.54
OH	WELLSVILLE VILLAGE	$4,719.67
OH	WEST CHESTER TOWNSHIP	$4,817.32
OH	WEST MILTON VILLAGE	$1,388.75
OH	WEST UNITY VILLAGE	$1,293.29
OH	WESTERVILLE CITY	$3,471.95
OH	WESTLAKE CITY	$6,206.10
OH	WHITEHALL CITY	$6,184.40
OH	WICKLIFFE CITY	$3,374.73
OH	WILLOUGHBY CITY	$5,555.11
OH	WILLOUGHBY HILLS CITY	$888.65
OH	WILLOWICK CITY	$2,213.37
OH	WILMINGTON CITY	$6,206.10
OH	WOODLAWN VILLAGE	$1,767.44
OH	WORTHINGTON CITY	$7,682.32
OH	XENIA CITY	$2,625.66
OH	YOUNGSTOWN CITY	$11,110.22
OH	ZANESVILLE CITY	$15,706.20
	Totals for OH(256 Jurisdictions):	**$876,616.39**
OK	ADA CITY	$2,199.48
OK	ALTUS CITY	$2,041.94
OK	ARDMORE CITY	$2,777.56
OK	BARTLESVILLE CITY	$7,556.90
OK	BETHANY CITY	$5,108.97
OK	BIXBY CITY	$2,720.49
OK	CHOCTAW CITY	$3,239.76
OK	CLAREMORE CITY	$2,603.96
OK	COLLINSVILLE CITY	$607.59
OK	CUSHING CITY	$2,911.01
OK	CUSTER COUNTY	$2,284.95
OK	DURANT CITY	$3,819.14
OK	EDMOND CITY	$4,636.67
OK	EL RENO CITY	$4,849.87
OK	EUFAULA CITY	$3,405.87
OK	FAIRVIEW CITY	$694.39
OK	GROVE CITY	$7,196.80
OK	GUTHRIE CITY	$3,402.51
OK	HARRAH CITY	$3,496.90
OK	HEALDTON CITY	$1,993.28
OK	LONE GROVE CITY	$5,555.11
OK	MAYES COUNTY	$1,994.20
OK	MCALESTER CITY	$8,885.96

OK	MOORE CITY	$8,050.13
OK	MUSKOGEE CITY	$9,157.25
OK	MUSKOGEE COUNTY	$1,996.37
OK	MUSTANG CITY	$2,117.89
OK	NICHOLS HILLS CITY	$1,751.17
OK	NOBLE CITY	$1,500.53
OK	OWASSO CITY	$4,388.71
OK	PONCA CITY	$1,653.52
OK	ROGERS COUNTY	$7,479.77
OK	SALLISAW CITY	$2,699.44
OK	SAND SPRINGS CITY	$3,797.44
OK	SAPULPA CITY	$931.46
OK	SEMINOLE CITY	$3,645.54
OK	SHAWNEE CITY	$10,849.82
OK	STROUD CITY	$659.67
OK	TAHLEQUAH CITY	$1,692.55
OK	TECUMSEH CITY	$3,233.25
OK	THE VILLAGE CITY	$1,413.95
OK	TUTTLE CITY	$659.67
	Totals for OK(42 Jurisdictions):	**$151,661.44**
OR	ALBANY CITY	$5,717.86
OR	ASHLAND CITY	$3,729.30
OR	ASTORIA CITY	$1,459.52
OR	AUMSVILLE CITY	$1,735.98
OR	BEAVERTON CITY	$18,466.39
OR	BEND CITY	$2,917.74
OR	BENTON COUNTY	$10,068.63
OR	BLACK BUTTE	$706.54
OR	BOARDMAN CITY	$3,979.72
OR	BROOKINGS CITY	$4,296.53
OR	CANBY CITY	$2,083.17
OR	CANNON BEACH CITY	$591.00
OR	CENTRAL POINT CITY	$2,100.53
OR	COOS BAY CITY	$2,235.07
OR	COOS COUNTY	$2,628.31
OR	CORVALLIS CITY	$11,544.09
OR	COTTAGE GROVE CITY	$1,638.33
OR	CROOK COUNTY	$3,651.18
OR	CURRY COUNTY	$2,083.17
OR	DALLAS CITY	$1,788.05
OR	FLORENCE CITY	$2,695.10
OR	FOREST GROVE CITY	$2,083.17
OR	HERMISTON CITY	$3,059.65
OR	HOOD RIVER CITY	$1,099.72
OR	HOOD RIVER COUNTY	$701.76
OR	HUBBARD CITY	$1,909.57
OR	INDEPENDENCE CITY	$2,870.87

OR	JEFFERSON COUNTY	$8,254.54
OR	JOHN DAY CITY	$2,413.37
OR	JOSEPHINE COUNTY	$5,207.92
OR	KEIZER CITY	$9,296.04
OR	KLAMATH COUNTY	$3,406.85
OR	LA GRANDE CITY	$1,573.66
OR	LAKE OSWEGO CITY	$10,068.63
OR	LEBANON CITY	$3,740.59
OR	LINCOLN CITY	$2,955.93
OR	LINCOLN COUNTY	$9,536.99
OR	MALHEUR COUNTY	$2,741.37
OR	MCMINNVILLE CITY	$3,341.75
OR	MILWAUKIE CITY	$2,847.00
OR	MONMOUTH TOWN	$1,735.98
OR	MOUNT ANGEL CITY	$737.79
OR	NEWBERG CITY	$3,017.12
OR	NORTH BEND CITY	$2,430.36
OR	NYSSA CITY	$1,316.74
OR	OAKRIDGE CITY	$2,076.66
OR	ONTARIO CITY	$3,471.95
OR	OREGON CITY	$2,378.28
OR	PENDLETON CITY	$1,361.87
OR	POLK COUNTY	$2,761.93
OR	PRINEVILLE CITY	$2,126.57
OR	REDMOND CITY	$3,968.87
OR	REEDSPORT CITY	$2,656.04
OR	ROCKAWAY BEACH CITY	$752.55
OR	ROSEBURG CITY	$3,905.94
OR	SILVERTON CITY	$1,388.78
OR	SPRINGFIELD CITY	$11,818.81
OR	STAYTON CITY	$629.29
OR	SUTHERLIN CITY	$1,167.88
OR	SWEET HOME CITY	$1,189.14
OR	TALENT CITY	$1,286.79
OR	TIGARD TOWN	$4,556.93
OR	TILLAMOOK COUNTY	$3,471.95
OR	TOLEDO CITY	$1,310.66
OR	TUALATIN CITY	$3,298.21
OR	UMATILLA COUNTY	$8,679.84
OR	WARRENTON CITY	$2,083.17
OR	WASCO COUNTY	$1,963.82
OR	WINSTON CITY	$1,006.24
OR	WOODBURN CITY	$3,189.85
	Totals for OR(70 Jurisdictions):	**$244,965.60**
PA	ABINGTON TOWNSHIP	$7,287.61
PA	ADAMS TOWNSHIP	$1,387.91
PA	ALBURTIS BOROUGH	$772.28

PA	ALLEGHENY COUNTY HOUSING AUTHORITY	$2,364.40
PA	ALTOONA CITY	$7,594.88
PA	AMBRIDGE BOROUGH	$1,900.89
PA	AMITY TOWNSHIP	$2,373.19
PA	ANNVILLE TOWNSHIP	$2,473.76
PA	ARMSTRONG COUNTY	$2,577.17
PA	ASTON TOWNSHIP	$2,459.96
PA	ATHENS BOROUGH	$616.27
PA	BELL ACRES BOROUGH	$2,308.85
PA	BENSALEM TOWNSHIP	$15,646.52
PA	BERLIN BOROUGH	$1,036.40
PA	BETHEL PARK MUNICIPALITY	$4,472.30
PA	BETHLEHEM CITY	$14,877.27
PA	BIRMINGHAM TOWNSHIP	$2,135.25
PA	BLAIRSVILLE BOROUGH	$3,808.29
PA	BRECKNOCK TOWNSHIP	$2,344.11
PA	BRENTWOOD BOROUGH	$487.05
PA	BRIDGEVILLE BOROUGH	$3,124.75
PA	BRISTOL BOROUGH	$1,087.03
PA	BRISTOL TOWNSHIP	$7,291.08
PA	BROOKHAVEN BOROUGH	$2,172.35
PA	BROOKVILLE BOROUGH	$355.88
PA	BUCKINGHAM TOWNSHIP	$1,082.27
PA	BUSHKILL TOWNSHIP	$2,859.15
PA	BUTLER CITY	$1,041.59
PA	BUTLER TOWNSHIP	$1,001.66
PA	CALIFORNIA BOROUGH	$3,819.09
PA	CANONSBURG BOROUGH	$5,555.11
PA	CARBON COUNTY	$3,628.18
PA	CARLISLE BOROUGH	$3,053.14
PA	CARROLL TOWNSHIP	$1,574.10
PA	CARROLL VALLEY BOROUGH	$371.94
PA	CENTER TOWNSHIP	$3,471.95
PA	CENTRAL BUCKS REGIONAL POLICE DEPT	$1,431.53
PA	CHARLEROI BOROUGH	$5,555.11
PA	CHELTENHAM TOWNSHIP	$7,594.88
PA	CHESTER CITY	$4,686.66
PA	CHRISTIANA BOROUGH	$1,111.89
PA	CLAIRTON CITY	$2,430.33
PA	CLARION COUNTY	$1,735.98
PA	CLEARFIELD BOROUGH	$1,645.42
PA	CLEONA BOROUGH	$438.77
PA	COAL TOWNSHIP	$874.50
PA	COLEBROOKDALE TOWNSHIP	$471.00
PA	COLLINGDALE BOROUGH	$3,637.87
PA	COLUMBIA BOROUGH	$1,197.82
PA	COLUMBIA COUNTY	$737.79

PA	CONEMAUGH TOWNSHIP (JOHNSTOWN)	$694.38
PA	CONEMAUGH TOWNSHIP (JOHNSTOWN)	$3,211.55
PA	CONEWAGO TOWNSHIP	$1,528.53
PA	CONSHOHOCKEN BOROUGH	$2,417.34
PA	COOPERSBURG BOROUGH	$1,073.58
PA	CORAOPOLIS BOROUGH	$499.10
PA	CORNWALL BOROUGH	$1,673.57
PA	COUDERSPORT BOROUGH	$1,123.07
PA	CRAFTON BOROUGH	$3,124.75
PA	CRAWFORD COUNTY	$3,364.85
PA	CRESCENT TOWNSHIP	$1,833.62
PA	CRESSON BOROUGH	$1,041.59
PA	CUMBERLAND TOWNSHIP	$1,354.06
PA	COLONIAL REGIONAL POLICE DEPARTMENT	$3,471.95
PA	DANVILLE BOROUGH	$1,735.98
PA	DARBY BOROUGH	$3,699.79
PA	DELMONT BOROUGH	$347.20
PA	DERRY TOWNSHIP	$8,333.10
PA	DOUGLASS TOWNSHIP	$520.80
PA	DOVER TOWNSHIP	$3,905.94
PA	DOWNINGTOWN BOROUGH	$2,343.56
PA	DOYLESTOWN TOWNSHIP	$4,062.18
PA	DUBLIN BOROUGH	$808.10
PA	DUNCANSVILLE BOROUGH	$2,430.36
PA	EAST BRANDYWINE TOWNSHIP POLICE	$1,040.29
PA	EAST CONEMAUGH BOROUGH	$3,124.75
PA	EAST COVENTRY TOWNSHIP	$2,430.36
PA	EAST DONEGAL TOWNSHIP	$6,004.78
PA	EAST HEMPFIELD TOWNSHIP	$4,296.53
PA	EAST NORRITON TOWNSHIP	$1,381.09
PA	EAST PENNSBORO TOWNSHIP	$1,908.70
PA	EAST PIKELAND TOWNSHIP	$1,394.42
PA	EAST VINCENT TOWNSHIP	$345.28
PA	EAST WHITELAND TOWNSHIP	$4,079.54
PA	EASTERN PIKE REGIONAL POLICE	$2,000.71
PA	EASTON CITY	$2,886.97
PA	ECONOMY BOROUGH	$4,535.23
PA	EDDYSTONE BOROUGH	$1,870.26
PA	ELIZABETHTOWN BOROUGH	$1,679.56
PA	ELK COUNTY	$1,668.71
PA	EMMAUS BOROUGH	$1,726.34
PA	EPHRATA BOROUGH	$2,083.17
PA	ERIE CITY	$15,732.24
PA	EXETER TOWNSHIP	$7,388.40
PA	EAST FALLOWFIELD TOWNSHIP	$1,718.62
PA	EASTTOWN TOWNSHIP	$733.45
PA	EVANS CITY SEVEN FIELDS REGIONAL POLICE	$4,166.33

PA	FAIRVIEW TOWNSHIP	$1,712.54
PA	FARRELL CITY	$1,377.93
PA	FERGUSON TOWNSHIP	$2,054.53
PA	FINDLAY TOWNSHIP	$2,083.17
PA	FOREST CITY BOROUGH	$954.79
PA	FOUNTAIN HILL BOROUGH	$3,329.60
PA	FRANCONIA TOWNSHIP	$1,324.75
PA	FRANKLIN TOWNSHIP (FOMBELL)	$2,777.54
PA	FRANKLIN TOWNSHIP (LEHIGHTON)	$347.20
PA	FREEDOM BOROUGH	$2,783.63
PA	FREEPORT BOROUGH	$1,236.88
PA	GETTYSBURG BOROUGH	$1,194.55
PA	GLENOLDEN BOROUGH	$624.95
PA	GRANVILLE TOWNSHIP	$886.91
PA	GREEN TREE BOROUGH	$1,430.88
PA	GREENSBURG CITY	$2,946.10
PA	GREENVILLE BOROUGH	$3,705.87
PA	GROVE CITY BOROUGH	$2,156.84
PA	HANOVER BOROUGH	$3,749.70
PA	HANOVER TOWNSHIP	$4,166.33
PA	HARMAR TOWNSHIP	$742.13
PA	HARRISON TOWNSHIP	$434.00
PA	HATBORO BOROUGH	$368.90
PA	HATFIELD TOWNSHIP	$1,084.88
PA	HAVERFORD TOWNSHIP	$6,035.07
PA	HAWLEY BOROUGH	$1,692.58
PA	HAZLETON CITY	$2,340.96
PA	HELLERTOWN BOROUGH	$2,242.57
PA	HEMPFIELD TOWNSHIP	$1,448.24
PA	HERMITAGE CITY	$3,869.05
PA	HIGHSPIRE BOROUGH	$1,167.44
PA	HILLTOWN TOWNSHIP	$1,905.96
PA	HONESDALE BOROUGH	$4,161.56
PA	HORSHAM TOWNSHIP	$3,985.75
PA	HULMEVILLE BOROUGH	$650.99
PA	HARRISBURG INTERNATIONAL AIRPORT	$2,083.17
PA	INDIANA TOWNSHIP	$645.79
PA	IRWIN BOROUGH	$1,041.59
PA	JEFFERSON BOROUGH	$3,037.95
PA	JEFFERSON COUNTY	$7,215.13
PA	JIM THORPE BOROUGH	$2,523.24
PA	JUNIATA COUNTY	$2,603.96
PA	KENNETT SQUARE BOROUGH	$4,904.29
PA	KIDDER TOWNSHIP	$2,430.36
PA	KISKIMINETAS TOWNSHIP	$867.99
PA	KULPMONT BOROUGH	$694.39
PA	LANSDALE BOROUGH	$959.56

PA	LANSDOWNE BOROUGH	$1,855.32
PA	LANSFORD BOROUGH	$1,388.78
PA	LAWRENCE TOWNSHIP	$1,735.98
PA	LEBANON CITY	$2,200.35
PA	LEHIGH TOWNSHIP	$1,886.14
PA	LEWISBURG BOROUGH	$1,432.18
PA	LEWISTOWN BOROUGH	$2,100.53
PA	LIBERTY TOWNSHIP	$1,387.91
PA	LIMERICK TOWNSHIP	$6,478.65
PA	LINCOLN BOROUGH	$3,819.14
PA	LINESVILLE BOROUGH	$694.35
PA	LITITZ BOROUGH	$1,317.61
PA	LOCK HAVEN CITY	$833.27
PA	LOCUST TOWNSHIP	$937.43
PA	LOGAN TOWNSHIP	$1,605.78
PA	LOWER ALLEN TOWNSHIP	$1,093.67
PA	LOWER MAKEFIELD TOWNSHIP	$2,754.00
PA	LOWER MERION TOWNSHIP	$8,628.39
PA	LOWER MORELAND TOWNSHIP	$3,760.91
PA	LOWER PAXTON TOWNSHIP	$4,308.25
PA	LOWER POTTSGROVE TOWNSHIP	$3,124.75
PA	LOWER PROVIDENCE TOWNSHIP	$4,513.53
PA	LOWER SALFORD TOWNSHIP	$3,751.87
PA	LOWER SAUCON TOWNSHIP	$976.49
PA	LOWER SOUTHAMPTON TOWNSHIP	$1,001.31
PA	MAHONING TOWNSHIP (HILLSVILLE)	$1,735.98
PA	MAHONING TOWNSHIP (LEHIGHTON)	$1,512.90
PA	MAIDEN CREEK TOWNSHIP	$1,316.63
PA	MALVERN BOROUGH	$1,578.00
PA	MANHEIM BOROUGH	$797.25
PA	MANHEIM TOWNSHIP	$3,261.07
PA	MANOR BOROUGH	$1,534.26
PA	MANOR TOWNSHIP	$2,875.90
PA	MARCUS HOOK BOROUGH	$1,388.78
PA	MARLBOROUGH TOWNSHIP	$1,041.59
PA	MARPLE TOWNSHIP	$1,653.47
PA	MCDONALD BOROUGH	$1,735.98
PA	MCKEES ROCKS BOROUGH	$1,814.09
PA	MEADVILLE CITY	$1,689.76
PA	MEDIA BOROUGH	$3,109.56
PA	MIDDLESEX TOWNSHIP (CARLISLE)	$1,598.83
PA	MIDDLESEX TOWNSHIP (VALENCIA)	$694.39
PA	MIDDLETOWN TOWNSHIP	$2,083.17
PA	MIFFLIN COUNTY	$5,190.56
PA	MIFFLIN COUNTY REGIONAL DISTRICT	$4,860.72
PA	MILLCREEK TOWNSHIP	$11,893.57
PA	MILLERSVILLE BOROUGH	$1,388.78

PA	MILLVALE BOROUGH	$2,430.36
PA	MILTON BOROUGH	$3,075.28
PA	MONACA BOROUGH	$5,072.02
PA	MONESSEN CITY	$2,278.47
PA	MONONGAHELA CITY	$6,569.71
PA	MONTOURSVILLE BOROUGH	$377.58
PA	MOON TOWNSHIP	$1,388.78
PA	MOORE TOWNSHIP	$801.16
PA	MORRISVILLE BOROUGH	$5,858.90
PA	MORTON BOROUGH	$2,204.36
PA	MOSCOW BOROUGH	$347.20
PA	MOUNT JOY BOROUGH	$5,555.11
PA	MOUNT LEBANON TOWNSHIP	$13,096.17
PA	MT WOLF BOROUGH	$1,620.97
PA	MUHLENBERG TOWNSHIP	$4,771.75
PA	MUNCY BOROUGH	$928.75
PA	MUNHALL BOROUGH	$4,947.52
PA	MOUNT CARMEL BOROUGH	$384.09
PA	NETHER PROVIDENCE TOWNSHIP	$1,130.12
PA	NEW BRITAIN TOWNSHIP	$381.92
PA	NEW CASTLE CITY	$9,139.89
PA	NEW HANOVER TOWNSHIP	$1,041.59
PA	NEW KENSINGTON CITY	$2,430.36
PA	NEW SEWICKLEY TOWNSHIP	$5,852.40
PA	NEW WILMINGTON BOROUGH	$325.50
PA	NEWBERRY TOWNSHIP	$2,400.72
PA	NEWPORT TOWNSHIP	$694.39
PA	NEWTOWN TOWNSHIP (NEWTOWN)	$1,811.71
PA	NEWTOWN TOWNSHIP (NEWTOWN SQUARE)	$1,466.90
PA	NORRISTOWN BOROUGH	$10,698.30
PA	NORTH CATASAUQUA BOROUGH	$1,916.52
PA	NORTH HOPEWELL TOWNSHIP	$694.39
PA	NORTH HUNTINGDON TOWNSHIP	$412.30
PA	NORTH LONDONDERRY TOWNSHIP	$846.10
PA	NORTH VERSAILLES TOWNSHIP	$7,595.98
PA	NORTH WALES BOROUGH	$2,257.63
PA	NORTH WOODBURY TOWNSHIP	$1,388.78
PA	NORTHAMPTON BOROUGH	$1,298.08
PA	NORTHAMPTON TOWNSHIP	$4,887.62
PA	NORTHERN CAMBRIA BOROUGH	$1,041.57
PA	NORTHUMBERLAND COUNTY	$4,020.51
PA	NEW TOWN BOROUGH	$2,820.96
PA	NORTH STRABANE TOWNSHIP	$3,124.75
PA	NORTHWEST REGIONAL POLICE	$1,822.77
PA	O HARA TOWNSHIP	$2,774.52
PA	OHIO TOWNSHIP	$3,363.45
PA	OLD LYCOMING TOWNSHIP	$1,735.98

PA	OWEN J ROBERTS SCHOOL DIST	$322.67
PA	PALMER TOWNSHIP	$4,166.33
PA	PALMYRA BOROUGH	$1,413.95
PA	PARKSIDE BOROUGH	$2,083.17
PA	PATTON TOWNSHIP	$1,113.20
PA	PENBROOK BOROUGH	$3,093.07
PA	PENN TOWNSHIP (HANOVER)	$2,035.54
PA	PENN TOWNSHIP (IRWIN)	$1,779.37
PA	PENNDEL BOROUGH	$1,087.03
PA	PEQUEA TOWNSHIP	$1,041.59
PA	PERKASIE BOROUGH	$1,522.45
PA	PETERS TOWNSHIP	$4,708.82
PA	PHOENIXVILLE BOROUGH	$3,471.95
PA	PITTSTON CITY	$3,792.67
PA	PLAINFIELD TOWNSHIP	$1,682.16
PA	PLUM BOROUGH	$9,068.28
PA	PLUMSTEAD TOWNSHIP	$302.20
PA	PLYMOUTH BOROUGH	$1,317.99
PA	PLYMOUTH TOWNSHIP	$4,513.53
PA	PORT ALLEGANY BOROUGH	$1,380.10
PA	PORTAGE BOROUGH	$368.90
PA	POTTSVILLE CITY	$1,411.35
PA	PROSPECT BOROUGH	$1,041.59
PA	PYMATUNING TOWNSHIP	$1,354.06
PA	POCONO MOUNTAIN REGIONAL POLICE COMMISSION	$5,772.11
PA	QUAKERTOWN BOROUGH	$2,383.09
PA	QUARRYVILLE BOROUGH	$2,159.12
PA	READING CITY	$7,776.68
PA	RICE TOWNSHIP	$2,083.17
PA	RIDLEY PARK BOROUGH	$3,871.22
PA	ROCKLEDGE BOROUGH	$2,083.17
PA	ROSS TOWNSHIP	$13,844.37
PA	ROSTRAVER TOWNSHIP	$3,340.05
PA	ROYERSFORD BOROUGH	$1,497.28
PA	RUSH TOWNSHIP	$1,301.98
PA	RICHLAND TOWNSHIP	$2,336.27
PA	SADSBURY TOWNSHIP	$1,432.57
PA	SALEM TOWNSHIP	$694.39
PA	SALISBURY TOWNSHIP	$3,471.95
PA	SCHUYLKILL HAVEN BOROUGH	$3,775.74
PA	SCHUYLKILL TOWNSHIP BOARD OF SUPERVISORS	$3,751.87
PA	SCOTT TOWNSHIP	$3,468.04
PA	SCRANTON CITY	$7,590.54
PA	SELINSGROVE BOROUGH	$845.94
PA	SHAMOKIN CITY	$1,553.70
PA	SHARPSVILLE BOROUGH	$3,554.40
PA	SHILLINGTON BOROUGH	$2,687.95

PA	SHIPPENSBUGH BOROUGH	$335.92
PA	SILVER SPRING TOWNSHIP	$2,430.36
PA	SMETHPORT BOROUGH	$1,432.18
PA	SNYDER COUNTY	$799.42
PA	SOLEBURY TOWNSHIP	$1,346.63
PA	SOMERSET COUNTY	$1,149.13
PA	SOUTH ABINGTON TOWNSHIP	$4,166.33
PA	SOUTH BEAVER TOWNSHIP	$899.41
PA	SOUTH BUFFALO TOWNSHIP	$867.99
PA	SOUTH COATESVILLE BOROUGH	$2,157.53
PA	SOUTH FAYETTE TOWNSHIP	$6,943.89
PA	SOUTH PARK TOWNSHIP	$694.39
PA	SOUTH STRABANE TOWNSHIP	$3,732.34
PA	SOUTH WILLIAMSPORT BOROUGH	$967.37
PA	SOUTHERN CHESTER COUNTY REGIONAL	$2,406.49
PA	SOUTHERN REGIONAL POLICE DEPARTMENT	$1,249.90
PA	SPRING TOWNSHIP (BELLEFONTE)	$1,196.52
PA	SPRING TOWNSHIP (READING)	$4,706.76
PA	SPRINGETTSBURY TOWNSHIP	$1,653.52
PA	SPRINGFIELD TOWNSHIP	$3,387.32
PA	ST. MARYS CITY	$5,275.62
PA	STATE COLLEGE BOROUGH	$2,122.23
PA	STROUD AREA REGIONAL POLICE DEPARTMENT	$4,535.23
PA	SUGARCREEK BOROUGH	$518.63
PA	SUNBURY CITY	$4,166.33
PA	SUSQUEHANNA TOWNSHIP	$2,370.03
PA	SWARTHMORE BOROUGH	$2,315.26
PA	SWATARA TOWNSHIP	$3,249.09
PA	SWISSVALE BOROUGH	$2,038.71
PA	TATAMY BOROUGH	$694.39
PA	TELFORD BOROUGH	$1,293.32
PA	TILDEN TOWNSHIP	$1,497.28
PA	TINICUM TOWNSHIP (ESSINGTON)	$3,002.04
PA	TINICUM TOWNSHIP (PIPERSVILLE)	$972.15
PA	TOWAMENCIN TOWNSHIP	$2,588.55
PA	TREDYFFRIN TOWNSHIP	$2,399.98
PA	TYRONE BOROUGH	$1,735.98
PA	TIADAGHTON VALLEY REGIONAL POLICE DEPARTMENT	$1,092.36
PA	UNION CITY BOROUGH	$694.39
PA	UNION COUNTY	$3,424.21
PA	UPPER CHICHESTER TOWNSHIP	$8,441.99
PA	UPPER DARBY TOWNSHIP	$10,643.07
PA	UPPER DUBLIN TOWNSHIP	$2,682.08
PA	UPPER GWYNEDD TOWNSHIP	$2,777.56
PA	UPPER MAKEFIELD TOWNSHIP	$1,297.64
PA	UPPER MERION TOWNSHIP	$5,537.32
PA	UPPER MORELAND TOWNSHIP	$2,811.41

PA	UPPER NAZARETH TOWNSHIP	$2,719.75
PA	UPPER POTTSGROVE TOWNSHIP	$975.84
PA	UPPER SOUTHAMPTON TOWNSHIP	$2,486.78
PA	UPPER ST CLAIR TOWNSHIP	$5,641.91
PA	UPPER PERK POLICE DISTRICT	$506.91
PA	VALLEY TOWNSHIP	$690.05
PA	WARMINSTER TOWNSHIP	$2,746.17
PA	WARRINGTON TOWNSHIP	$1,494.68
PA	WARWICK TOWNSHIP	$1,549.86
PA	WASHINGTON TOWNSHIP (BANGOR)	$385.82
PA	WASHINGTON TOWNSHIP (WAYNESBORO)	$872.33
PA	WAYNE COUNTY	$3,471.95
PA	WAYNESBORO BOROUGH	$704.81
PA	WEATHERLY BOROUGH	$2,083.14
PA	WEST BRANDYWINE TOWNSHIP	$1,562.38
PA	WEST CHESTER BOROUGH	$4,216.46
PA	WEST CONSHOHOCKEN BOROUGH	$362.39
PA	WEST EARL TOWNSHIP	$1,255.11
PA	WEST HAZLETON BOROUGH	$1,562.38
PA	WEST LAMPETER TOWNSHIP	$870.81
PA	WEST MANHEIM TOWNSHIP	$649.26
PA	WEST MIFFLIN BOROUGH	$6,347.15
PA	WEST NORRITON TOWNSHIP	$3,799.24
PA	WEST READING BOROUGH	$729.86
PA	WEST SADSBURY TOWNSHIP	$1,686.81
PA	WEST SHORE REGIONAL POLICE DEPARTMENT	$1,996.37
PA	WEST VINCENT TOWNSHIP	$744.74
PA	WEST WHITELAND TOWNSHIP	$4,567.34
PA	WESTTOWN TOWNSHIP	$6,460.03
PA	WHITEHALL TOWNSHIP	$4,033.97
PA	WHITEMARSH TOWNSHIP	$3,291.40
PA	WHITPAIN TOWNSHIP	$3,080.48
PA	WILKES BARRE CITY	$10,936.62
PA	WILKES BARRE TOWNSHIP	$1,931.27
PA	WILLIAMSPORT CITY	$9,547.84
PA	WILSON BOROUGH	$2,124.40
PA	WRIGHT TOWNSHIP	$1,562.38
PA	WYOMISSING BOROUGH	$1,979.01
PA	YEADON BOROUGH	$2,061.47
PA	ZELIENOPLE BOROUGH	$3,124.75
	Totals for PA(372 Jurisdictions):	**$1,009,027.51**
PR	MUNICIPALITY GUAYNABO	$34,590.95
	Totals for PR(1 Jurisdictions):	**$34,590.95**
RI	BRISTOL TOWN	$3,810.89
RI	BURRILLVILLE TOWN	$1,009.04
RI	CENTRAL FALLS CITY	$4,372.48
RI	CRANSTON CITY	$2,966.60

RI	EAST PROVIDENCE CITY	$8,827.41
RI	FOSTER TOWN	$998.19
RI	GLOCESTER TOWN	$1,638.33
RI	JAMESTOWN TOWN	$1,880.06
RI	JOHNSTON TOWN	$2,018.07
RI	LINCOLN TOWN	$6,054.20
RI	LITTLE COMPTON TOWN	$390.60
RI	MIDDLETOWN TOWN	$7,384.82
RI	NARRAGANSETT TOWN	$5,826.36
RI	NEWPORT CITY	$7,124.43
RI	NORTH KINGSTOWN TOWN	$4,719.02
RI	NORTH PROVIDENCE TOWN	$4,166.33
RI	NORTH SMITHFIELD TOWN	$1,952.97
RI	PAWTUCKET CITY	$3,819.14
RI	PORTSMOUTH TOWN	$1,180.46
RI	RICHMOND TOWN	$807.23
RI	SCITUATE TOWN	$1,570.01
RI	SOUTH KINGSTOWN TOWN	$2,777.56
RI	SMITHFIELD	$4,860.72
RI	TIVERTON TOWN	$1,898.72
RI	WARWICK CITY	$19,052.28
RI	WEST GREENWICH TOWN	$2,658.21
RI	WEST WARWICK TOWN	$4,400.69
RI	WESTERLY TOWN	$9,710.59
RI	WOONSOCKET CITY	$3,819.14
	Totals for RI(29 Jurisdictions):	**$121,694.55**
SC	ABBEVILLE COUNTY	$4,166.33
SC	AIKEN CITY	$7,722.96
SC	ALLENDALE COUNTY	$4,745.69
SC	ANDERSON CITY	$7,855.62
SC	BARNWELL CITY	$1,112.76
SC	BARNWELL COUNTY	$3,210.47
SC	BATESBURG-LEESVILLE TOWN	$2,714.63
SC	BLUFFTON TOWN	$3,910.61
SC	CAYCE CITY	$3,641.20
SC	CENTRAL TOWN	$1,123.06
SC	CHERAW TOWN	$3,471.95
SC	CHESTER COUNTY	$2,785.28
SC	CLARENDON COUNTY	$2,430.36
SC	CLEMSON CITY	$2,737.71
SC	CLINTON CITY	$2,777.54
SC	DUNCAN TOWN	$1,664.37
SC	EASLEY CITY	$17,664.35
SC	ESTILL TOWN	$4,161.56
SC	GEORGETOWN CITY	$1,193.48
SC	GOOSE CREEK CITY	$6,902.66
SC	GREENVILLE CITY	$8,015.41

SC	GREENWOOD CITY	$3,745.48
SC	GREENWOOD COUNTY	$9,283.11
SC	GREER CITY	$4,964.75
SC	GREENVILLE-SPARTANBURG INTERNATIONAL AIRPORT	$2,906.02
SC	HANAHAN CITY	$1,840.03
SC	HARDEEVILLE CITY	$1,721.87
SC	HARTSVILLE CITY	$399.28
SC	IRMO TOWN	$2,739.92
SC	JASPER COUNTY	$14,247.55
SC	JOHNSTON TOWN	$1,811.06
SC	LAKE CITY	$1,041.59
SC	LANCASTER COUNTY	$3,824.80
SC	LANDRUM CITY	$2,064.29
SC	LAURENS CITY	$1,974.67
SC	LAURENS COUNTY	$11,070.56
SC	LORIS CITY	$1,959.97
SC	LYMAN TOWN	$1,334.61
SC	MONCKS CORNER TOWN	$2,148.27
SC	MOUNT PLEASANT TOWN	$12,831.00
SC	MYRTLE BEACH CITY	$15,765.48
SC	NEWBERRY CITY	$1,340.01
SC	NEWBERRY COUNTY	$7,208.62
SC	NORTH AUGUSTA CITY	$5,424.91
SC	NORTH MYRTLE BEACH CITY	$10,320.67
SC	ORANGEBURG CITY	$6,099.77
SC	OCONEE COUNTY	$12,308.03
SC	PINE RIDGE TOWN	$1,928.89
SC	PORT ROYAL TOWN	$3,438.96
SC	ROCK HILL CITY	$11,667.90
SC	SIMPSONVILLE CITY	$3,661.04
SC	SPARTANBURG CITY	$13,831.54
SC	SULLIVAN'S ISLAND TOWN	$2,656.04
SC	SUMMERVILLE TOWN	$9,612.51
SC	SUMTER CITY	$9,222.35
SC	SURF SIDE BEACH	$6,319.81
SC	TEGA CAY CITY	$2,603.96
SC	TRAVELERS REST CITY	$1,616.31
SC	WALTERBORO CITY	$2,205.94
SC	WEST COLUMBIA CITY	$5,147.29
SC	WEST PELZER TOWN	$936.56
SC	WILLIAMSTON TOWN	$659.67
SC	WINNSBORO TOWN	$1,976.01
	Totals for SC(63 Jurisdictions):	**$311,869.10**
SD	ABERDEEN CITY	$14,534.63
SD	AURORA COUNTY	$1,041.59
SD	BOX ELDER CITY	$1,887.87
SD	BROOKINGS CITY	$4,498.34

SD	BUTTE COUNTY	$1,362.74
SD	CANTON CITY	$867.99
SD	CHARLES MIX COUNTY	$724.77
SD	CLAY COUNTY	$1,998.54
SD	CUSTER COUNTY	$1,839.67
SD	DAVISON COUNTY	$360.77
SD	EAGLE BUTTE CITY	$347.20
SD	ELK POINT CITY	$345.03
SD	HURON CITY	$1,871.92
SD	KINGSBURY COUNTY	$814.06
SD	LINCOLN COUNTY	$2,804.41
SD	MADISON CITY	$1,515.51
SD	MINER COUNTY	$448.75
SD	OGLALA SIOUX TRIBE	$9,982.46
SD	PLATTE CITY	$1,041.59
SD	RAPID CITY	$10,189.28
SD	SANBORN COUNTY	$1,388.78
SD	SISSETON CITY	$1,553.70
SD	SPINK COUNTY	$2,654.95
SD	UNION COUNTY	$984.65
SD	VERMILLION CITY	$1,236.88
SD	WATERTOWN CITY	$4,616.17
SD	YANKTON CITY	$3,094.27
SD	YANKTON COUNTY	$1,571.06
	Totals for SD(28 Jurisdictions):	**$75,577.58**
TN	ALCOA CITY	$7,586.20
TN	ALGOOD CITY	$3,718.45
TN	ANDERSON COUNTY	$23,207.76
TN	ASHLAND CITY TOWN	$5,207.92
TN	ATOKA TOWN	$2,169.97
TN	BAXTER TOWN	$3,246.27
TN	BEAN STATION CITY	$813.74
TN	BENTON TOWN	$2,430.36
TN	BOLIVAR CITY	$1,746.83
TN	BRISTOL CITY	$6,922.19
TN	BROWNSVILLE CITY	$3,667.24
TN	BARTLETT	$10,415.83
TN	CARROLL COUNTY	$4,350.53
TN	CARTER COUNTY	$5,902.30
TN	CHEATHAM COUNTY	$21,512.15
TN	CLEVELAND CITY	$7,594.88
TN	COCKE COUNTY	$3,338.59
TN	COFFEE COUNTY	$25,015.15
TN	COLLIERVILLE TOWN	$2,976.83
TN	COLUMBIA CITY	$5,116.78
TN	COOKEVILLE CITY	$3,541.38
TN	COVINGTON CITY	$2,044.98

TN	CROSSVILLE CITY	$1,128.39
TN	DANDRIDGE TOWN	$3,992.74
TN	DICKSON CITY	$6,674.81
TN	DICKSON COUNTY	$7,866.12
TN	DUNLAP CITY	$1,388.78
TN	DYER CITY	$650.99
TN	DYER COUNTY	$6,223.46
TN	DYERSBURG CITY	$3,341.75
TN	EAST RIDGE CITY	$13,887.77
TN	ELIZABETHTON CITY	$4,426.73
TN	FAIRVIEW CITY	$1,503.79
TN	FRANKLIN CITY	$16,496.06
TN	GALLATIN CITY	$4,769.58
TN	GATLINBURG CITY	$15,297.59
TN	GERMANTOWN CITY	$4,773.92
TN	GILES COUNTY	$1,367.08
TN	GOODLETTSVILLE CITY	$1,367.08
TN	GRAINGER COUNTY	$6,922.19
TN	GREENE COUNTY	$11,626.67
TN	GREENFIELD TOWN	$2,001.58
TN	GRUNDY COUNTY	$5,157.23
TN	HAMBLEN COUNTY	$1,770.69
TN	HARRIMAN CITY	$748.64
TN	HAWKINS COUNTY	$13,436.42
TN	HENDERSON COUNTY	$3,661.75
TN	HENDERSONVILLE CITY	$10,025.23
TN	HENRY COUNTY	$18,259.81
TN	HICKMAN COUNTY	$6,154.02
TN	HUMPHREYS COUNTY	$3,260.16
TN	JACKSBORO TOWN	$1,746.83
TN	JACKSON CITY	$8,245.86
TN	JEFFERSON COUNTY	$14,972.75
TN	JOHNSON CITY	$8,041.89
TN	JOHNSON COUNTY	$2,994.55
TN	JONESBOROUGH TOWN	$2,062.77
TN	KENTON TOWN	$1,367.08
TN	KINGSPORT CITY	$10,686.64
TN	LA FOLLETTE CITY	$1,436.52
TN	LAKE CITY	$499.10
TN	LAVERGNE CITY	$8,408.61
TN	LEBANON CITY	$8,061.42
TN	LENOIR CITY	$2,942.47
TN	LEWISBURG CITY	$1,594.93
TN	LEXINGTON CITY	$260.40
TN	LINCOLN COUNTY	$18,770.18
TN	MADISON COUNTY	$18,880.85
TN	MANCHESTER CITY	$2,968.51

TN	MARSHALL COUNTY	$2,816.65
TN	MARTIN CITY	$1,611.85
TN	MARYVILLE CITY	$6,206.10
TN	MAURY COUNTY	$3,428.55
TN	MILAN CITY	$2,083.17
TN	MILLINGTON CITY	$2,656.04
TN	MORGAN COUNTY	$7,985.47
TN	MORRISTOWN CITY	$6,184.40
TN	MOSHEIM TOWN	$1,714.25
TN	MOUNT PLEASANT CITY	$854.97
TN	MT JULIET CITY	$6,509.89
TN	NORRIS CITY	$1,497.28
TN	OAK RIDGE CITY	$2,830.94
TN	OLIVER SPRINGS TOWN	$1,247.73
TN	OVERTON COUNTY	$4,344.27
TN	PARIS CITY	$2,496.33
TN	PIGEON FORGE CITY	$2,864.36
TN	PIPERTON CITY	$1,410.48
TN	PLAINVIEW CITY	$742.13
TN	POLK COUNTY	$9,187.63
TN	PULASKI CITY	$3,471.95
TN	PUTNAM COUNTY	$4,947.52
TN	RED BANK CITY	$3,723.66
TN	RIPLEY CITY	$3,432.89
TN	ROBERTSON COUNTY	$6,488.19
TN	ROANE COUNTY GOVERNMENT	$6,640.09
TN	SEVIER COUNTY	$2,320.56
TN	SEVIERVILLE CITY	$7,975.49
TN	SHELBYVILLE CITY	$2,603.96
TN	SMYRNA TOWN	$3,126.92
TN	SOMERVILLE TOWN	$2,768.64
TN	SPRING HILL TOWN	$4,524.38
TN	STEWART COUNTY	$3,044.03
TN	SWEETWATER CITY	$247.38
TN	TIPTON COUNTY	$8,028.87
TN	TULLAHOMA CITY	$1,549.36
TN	UNICOI COUNTY	$7,160.88
TN	WARTBURG CITY	$1,249.90
TN	WAVERLY CITY	$2,751.17
TN	WAYNESBORO CITY	$1,649.18
TN	WHITE BLUFF TOWN	$1,193.48
TN	WHITE COUNTY	$13,919.41
TN	WHITE HOUSE CITY	$1,275.94
TN	SPRINGFIELD	$2,123.53
	Totals for TN(113 Jurisdictions):	**$609,538.59**
TX	ADDISON TOWN	$3,225.72
TX	ALAMO HEIGHTS CITY	$2,658.21

TX	ALDINE IND SCH DISTRICT 902	$3,120.85
TX	ALICE CITY	$3,489.31
TX	ALVIN CITY	$4,296.53
TX	ALVIN IND SCH DIST 901	$1,497.28
TX	ANGLETON CITY	$4,322.57
TX	ANNA CITY	$2,404.32
TX	ARP CITY	$1,015.55
TX	AUBREY CITY	$2,670.57
TX	AUSTIN COUNTY	$2,428.84
TX	AZLE CITY	$2,951.15
TX	BALCH SPRINGS CITY	$2,777.56
TX	BALCONES HEIGHTS CITY	$7,603.56
TX	BANDERA TOWN	$314.65
TX	BARTONVILLE TOWN	$388.43
TX	BASTROP COUNTY	$6,640.09
TX	BAY CITY	$4,739.20
TX	BAYTOWN CITY	$17,342.78
TX	BEDFORD TOWN	$8,332.66
TX	BELLAIRE CITY	$11,664.93
TX	BELLMEAD CITY	$1,703.43
TX	BELTON CITY	$3,300.52
TX	BENBROOK CITY	$4,399.56
TX	BIG SPRING CITY	$3,081.35
TX	BOERNE CITY	$2,018.07
TX	BORGER CITY	$3,918.91
TX	BRENHAM CITY	$2,449.37
TX	BRIDGEPORT CITY	$946.41
TX	BRISCOE COUNTY	$813.23
TX	BROWN COUNTY	$2,958.75
TX	BROWNWOOD CITY	$5,481.77
TX	BRYAN CITY	$16,738.23
TX	BUDA CITY	$713.20
TX	BUNKER HILL VILLAGE	$2,715.50
TX	BURKBURNETT CITY	$6,852.55
TX	BURNET COUNTY	$8,671.18
TX	BRIDGE CITY	$2,070.15
TX	CALVERT CITY	$1,117.54
TX	CAMERON CITY	$4,122.93
TX	CANYON CITY	$2,049.75
TX	CEDAR HILL CITY	$3,428.50
TX	CEDAR PARK CITY	$6,698.68
TX	CELINA CITY	$2,083.17
TX	CIBOLO CITY	$2,798.26
TX	CLAY COUNTY	$5,207.92
TX	CLEBURNE CITY	$4,335.76
TX	COLLEYVILLE CITY	$5,181.77
TX	CONROE CITY	$27,204.92

TX	CONROE IND SCH DIST 902	$9,027.05
TX	CONVERSE CITY	$4,122.93
TX	COPPELL CITY	$3,465.00
TX	COPPERAS COVE CITY	$3,308.33
TX	CORSICANA CITY	$5,007.33
TX	CRANE COUNTY	$1,040.29
TX	CRAWFORD TOWN	$347.20
TX	CROSBY COUNTY	$1,732.50
TX	CROWLEY CITY	$6,971.73
TX	DECATUR CITY	$1,735.98
TX	DEER PARK CITY	$6,086.75
TX	DEL RIO CITY	$4,930.16
TX	DENISON CITY	$3,471.95
TX	DENVER CITY	$3,819.14
TX	DESOTO CITY	$8,264.18
TX	DIBOLL CITY	$5,186.05
TX	DICKINSON CITY	$3,146.45
TX	DUNCANVILLE CITY	$5,473.61
TX	EAGLE PASS CITY	$10,329.03
TX	EARLY CITY	$1,041.59
TX	EDINBURG CITY	$18,828.34
TX	EL CAMPO CITY	$5,680.97
TX	ELSA CITY	$4,010.10
TX	ERATH COUNTY	$1,969.72
TX	EULESS CITY	$8,332.66
TX	FAIR OAKS RANCH CITY	$5,529.07
TX	FARMERS BRANCH CITY	$20,180.66
TX	FATE CITY	$2,386.96
TX	FAYETTE COUNTY	$1,028.10
TX	FLOWER MOUND CITY	$13,386.24
TX	FLOYDADA TOWN	$2,083.17
TX	FOREST HILL CITY	$3,370.83
TX	FREDERICKSBURG CITY	$2,646.27
TX	FREER TOWN	$1,052.44
TX	FRIENDSWOOD CITY	$4,830.34
TX	FULSHEAR CITY	$2,710.86
TX	GAINESVILLE CITY	$3,287.50
TX	GATESVILLE CITY	$1,573.23
TX	GEORGE WEST CITY	$1,036.81
TX	GEORGETOWN CITY	$1,554.48
TX	GIDDINGS CITY	$849.84
TX	GILLESPIE COUNTY	$3,124.75
TX	GLENN HEIGHTS CITY	$1,683.90
TX	GRANBURY CITY	$4,224.92
TX	GRAND SALINE CITY	$1,388.78
TX	GRAPEVINE CITY	$14,529.92
TX	GREGORY CITY	$1,158.77

TX	GUN BARREL CITY	$1,718.62
TX	HALTOM CITY	$2,224.75
TX	HARKER HEIGHTS CITY	$2,656.63
TX	HARLINGEN CITY	$3,471.95
TX	HARTLEY COUNTY	$1,800.21
TX	HEARNE CITY	$664.01
TX	HEATH CITY	$3,156.00
TX	HELOTES CITY	$1,377.82
TX	HENDERSON COUNTY	$13,278.91
TX	HEREFORD CITY	$2,763.29
TX	HEWITT CITY	$981.49
TX	HICKORY CREEK TOWN	$1,931.27
TX	HIGHLAND PARK CITY	$4,945.49
TX	HIGHLAND VILLAGE CITY	$4,162.86
TX	HILL COUNTY	$9,235.37
TX	HITCHCOCK CITY	$5,576.81
TX	HOOD COUNTY	$3,840.84
TX	HOWARD COUNTY	$4,326.91
TX	HUNT COUNTY	$1,410.16
TX	HUNTSVILLE CITY	$5,184.91
TX	HURST CITY	$5,077.72
TX	JACINTO CITY	$1,692.58
TX	JACK COUNTY	$2,038.51
TX	JACKSBORO CITY	$1,380.10
TX	JACKSON COUNTY	$2,181.13
TX	JACKSONVILLE CITY	$3,476.29
TX	JASPER CITY	$4,157.61
TX	JASPER COUNTY	$2,413.65
TX	JERSEY VILLAGE CITY	$3,471.90
TX	JONESTOWN CITY	$1,280.51
TX	JOURDANTON CITY	$3,055.31
TX	KARNES CITY	$2,694.14
TX	KAUFMAN CITY	$2,329.63
TX	KEENE CITY	$976.49
TX	KELLER CITY	$8,326.59
TX	KENNEDALE CITY	$3,800.74
TX	KERMIT CITY	$5,902.30
TX	KERRVILLE CITY	$7,671.52
TX	KILGORE CITY	$3,105.22
TX	KINGSVILLE CITY	$5,260.00
TX	KLEBERG COUNTY	$2,249.00
TX	LA GRANGE CITY	$3,511.05
TX	LA PORTE CITY	$4,504.85
TX	LA SALLE COUNTY	$8,497.58
TX	LAGO VISTA CITY	$4,860.72
TX	LAKE DALLAS TOWN	$3,866.84
TX	LAKE JACKSON CITY	$4,042.65

TX	LAKE WORTH CITY	$1,345.38
TX	LAKEWAY CITY	$3,607.57
TX	LAMAR COUNTY	$3,124.75
TX	LAMPASAS CITY	$3,124.75
TX	LAREDO IND SCH DIST 901	$12,759.39
TX	LEANDER CITY	$8,747.58
TX	LEE COUNTY	$650.99
TX	LEVELLAND CITY	$4,568.64
TX	LIBERTY HILL CITY	$1,635.79
TX	LITTLEFIELD CITY	$437.86
TX	LIVE OAK CITY	$1,844.47
TX	LIVINGSTON TOWN	$2,254.83
TX	LLANO CITY	$1,597.10
TX	LOCKHART CITY	$3,412.05
TX	LONGVIEW CITY	$18,493.30
TX	LUFKIN CITY	$4,860.72
TX	LYTLE CITY	$336.35
TX	MANOR CITY	$4,976.16
TX	MANSFIELD CITY	$26,386.75
TX	MANSFIELD IND SCH DIST 908	$9,769.72
TX	MARBLE FALLS CITY	$2,321.43
TX	MARSHALL CITY	$2,216.08
TX	MEADOWS CITY	$2,083.17
TX	MEDINA COUNTY	$11,110.22
TX	MELISSA CITY	$1,033.65
TX	MIDLOTHIAN CITY	$2,239.38
TX	MINERAL WELLS CITY	$4,784.77
TX	MISSION CITY	$23,414.25
TX	MISSOURI CITY	$5,418.38
TX	MONT BELVIEU TOWN	$1,041.59
TX	MONTAGUE COUNTY	$3,157.67
TX	MONTGOMERY IND SCH DIST 903	$1,215.18
TX	MORGANS POINT CITY	$1,735.98
TX	MULESHOE CITY	$1,197.20
TX	MURPHY CITY	$1,041.59
TX	MUSTANG RIDGE CITY	$1,562.38
TX	NACOGDOCHES CITY	$1,952.97
TX	NACOGDOCHES COUNTY	$1,041.59
TX	NAVARRO COUNTY	$5,207.85
TX	NAVASOTA CITY	$1,482.09
TX	NEDERLAND CITY	$2,555.79
TX	NEW BRAUNFELS CITY	$15,623.74
TX	NOLANVILLE CITY	$785.53
TX	NORTH RICHLAND HILLS CITY	$10,415.72
TX	NORTHLAKE TOWN	$1,041.59
TX	ODEM CITY	$2,777.56
TX	OLNEY CITY	$2,777.56

TX	ORANGE CITY	$6,943.89
TX	ORANGE COUNTY	$12,094.21
TX	OVILLA CITY	$509.47
TX	PALM VALLEY TOWN	$2,430.36
TX	PALMER TOWN	$2,966.76
TX	PALO PINTO COUNTY	$2,266.84
TX	PANTEGO TOWN	$2,616.39
TX	PARIS CITY	$3,456.76
TX	PELICAN BAY TOWN	$3,819.14
TX	PFLUGERVILLE CITY	$2,794.44
TX	PHARR CITY	$12,889.58
TX	PINEHURST CITY	$768.17
TX	PLAINVIEW CITY	$1,740.32
TX	PORT ARANSAS CITY	$2,386.96
TX	PORT ARTHUR CITY	$9,458.81
TX	PORT LAVACA CITY	$1,706.46
TX	PORT NECHES CITY	$2,473.76
TX	PRINCETON CITY	$2,071.82
TX	PROSPER TOWN	$1,735.98
TX	RANCHO VIEJO TOWN	$1,733.81
TX	RICHLAND HILLS CITY	$2,083.17
TX	RIO GRANDE CITY	$9,260.37
TX	RIVER OAKS CITY	$2,941.61
TX	ROANOKE CITY	$2,430.36
TX	ROBINSON CITY	$1,328.02
TX	ROBSTOWN CITY	$3,849.52
TX	ROCKDALE CITY	$1,757.67
TX	ROCKWALL CITY	$6,532.50
TX	ROSEBUD CITY	$1,041.59
TX	ROSENBERG CITY	$5,201.41
TX	ROWLETT CITY	$6,861.35
TX	RUSK CITY	$1,052.44
TX	SACHSE CITY	$1,735.98
TX	SAINT JO CITY	$1,275.73
TX	SAN BENITO CITY	$1,279.71
TX	SAN JUAN CITY	$3,428.55
TX	SAN MARCOS CITY	$14,191.56
TX	SEABROOK CITY	$4,826.00
TX	SEAGOVILLE CITY	$3,819.14
TX	SEGUIN CITY	$4,609.87
TX	SELMA CITY	$4,749.89
TX	SHAVANO PARK CITY	$2,473.76
TX	SHERMAN CITY	$8,114.47
TX	SINTON CITY	$2,849.14
TX	SMITHVILLE CITY	$1,275.36
TX	SOCORRO CITY	$2,430.36
TX	SOUTH HOUSTON CITY	$1,627.48

TX	SOUTHLAKE CITY	$4,723.58
TX	SOUTHSIDE PLACE CITY	$1,388.78
TX	SPRINGTOWN CITY	$1,090.09
TX	SULPHUR SPRINGS CITY	$1,842.30
TX	SUNSET VALLEY CITY	$1,638.76
TX	SWEETWATER CITY	$1,627.48
TX	SWISHER COUNTY	$1,336.70
TX	TAYLOR CITY	$5,075.98
TX	TEMPLE CITY	$11,460.33
TX	TERRELL CITY	$3,423.56
TX	TEXARKANA CITY	$7,291.08
TX	THE COLONY CITY	$3,040.59
TX	TOMBALL CITY	$7,540.63
TX	TROPHY CLUB TOWN	$3,471.95
TX	TULIA CITY	$1,545.02
TX	UNITED IND SCH DIST 903	$8,360.85
TX	UNIVERSAL CITY	$729.11
TX	UVALDE CITY	$1,692.58
TX	VAL VERDE COUNTY	$1,718.59
TX	VAN ALSTYNE TOWN	$1,733.81
TX	VERNON CITY	$1,996.37
TX	VICTORIA COUNTY	$16,759.71
TX	VIDOR CITY	$3,471.95
TX	VIDOR IND SCH DIST 907	$694.39
TX	WALKER COUNTY	$3,992.74
TX	WALLER TOWN	$2,070.15
TX	WATAUGA CITY	$3,471.95
TX	WAXAHACHIE CITY	$10,495.27
TX	WEATHERFORD CITY	$1,735.98
TX	WEIMAR CITY	$2,430.32
TX	WEST CITY	$2,461.74
TX	WEST COLUMBIA CITY	$1,735.98
TX	WEST ORANGE CITY	$1,434.74
TX	WESTOVER HILLS TOWN	$1,573.94
TX	WESTWORTH VILLAGE	$1,514.42
TX	WHARTON CITY	$2,159.12
TX	WHITE SETTLEMENT CITY	$3,218.49
TX	WILLIS CITY	$1,995.94
TX	WILLOW PARK CITY	$2,083.17
TX	WINDCREST CITY	$12,433.89
TX	WISE COUNTY	$11,434.84
TX	WOOD COUNTY	$1,041.60
TX	WOODWAY CITY	$2,777.56
TX	WYLIE CITY	$4,860.72
	Totals for TX(281 Jurisdictions):	**$1,198,062.70**
UT	AMERICAN FORK CITY	$3,096.98
UT	BOUNTIFUL CITY	$2,831.81

UT	BOX ELDER COUNTY	$9,409.21
UT	BRIGHAM CITY	$2,397.10
UT	CARBON COUNTY	$9,077.39
UT	CEDAR CITY	$1,126.22
UT	CENTERVILLE CITY	$1,345.38
UT	CLEARFIELD CITY	$3,960.19
UT	CLINTON CITY	$3,166.41
UT	COTTONWOOD HEIGHTS	$7,438.23
UT	DRAPER CITY	$4,101.23
UT	EMERY COUNTY	$11,422.69
UT	ENOCH CITY	$1,041.59
UT	FARMINGTON CITY	$2,143.06
UT	GARLAND CITY	$1,041.59
UT	GRANTSVILLE CITY	$3,819.14
UT	HEBER CITY	$2,585.42
UT	HELPER CITY	$677.52
UT	HURRICANE CITY	$2,664.42
UT	IRON COUNTY	$4,752.22
UT	LA VERKIN CITY	$650.99
UT	LAYTON CITY	$4,951.86
UT	LEHI CITY	$9,994.85
UT	LOGAN CITY	$12,037.77
UT	LINDON CITY	$4,693.10
UT	MORGAN COUNTY	$2,115.72
UT	NEPHI CITY	$1,458.22
UT	NORTH LOGAN CITY	$3,697.77
UT	NORTH SALT LAKE CITY	$3,092.64
UT	OGDEN CITY	$19,095.68
UT	OREM CITY	$12,880.91
UT	PARK CITY	$3,564.17
UT	PLEASANT GROVE CITY	$2,777.56
UT	PRICE CITY	$1,753.34
UT	RIVERTON CITY	$12,151.80
UT	ROY CITY	$3,645.54
UT	SALINA CITY	$349.07
UT	SANDY CITY	$8,036.68
UT	SANTAQUIN CITY	$1,388.78
UT	SOUTH SALT LAKE CITY	$4,062.18
UT	SPANISH FORK CITY	$4,166.33
UT	SPRINGVILLE CITY	$6,294.63
UT	SUMMIT COUNTY	$12,498.99
UT	SYRACUSE CITY	$1,553.32
UT	TOOELE COUNTY	$6,249.50
UT	TREMONTON CITY	$694.39
UT	UINTAH COUNTY	$9,304.77
UT	WASHINGTON CITY	$3,230.42
UT	WEST BOUNTIFUL CITY	$694.39

UT	WILLARD CITY	$694.39
	Totals for UT(50 Jurisdictions):	**$235,877.56**
VA	ALTAVISTA TOWN	$1,498.95
VA	AMHERST COUNTY	$4,166.33
VA	ASHLAND TOWN	$1,716.45
VA	AUGUSTA COUNTY	$7,568.84
VA	BEDFORD CITY	$1,301.98
VA	BEDFORD COUNTY	$8,929.06
VA	BERRYVILLE TOWN	$1,616.12
VA	BLACKSTONE TOWN	$4,166.33
VA	BLUEFIELD TOWN	$859.31
VA	BRIDGEWATER TOWN	$3,124.75
VA	BRISTOL CITY	$8,300.12
VA	BRUNSWICK COUNTY	$12,988.54
VA	BUCKINGHAM COUNTY	$3,471.95
VA	BUENA VISTA CITY	$1,041.59
VA	CAMPBELL COUNTY	$6,522.91
VA	CAROLINE COUNTY	$3,515.34
VA	CHARLOTTESVILLE CITY	$16,863.09
VA	CHASE CITY TOWN	$1,041.59
VA	CHILHOWIE TOWN	$603.25
VA	CHINCOTEAGUE TOWN	$920.05
VA	CHRISTIANSBURG TOWN	$3,471.95
VA	CLARKE COUNTY	$5,891.19
VA	CLIFTON FORGE CITY	$3,081.35
VA	COEBURN TOWN	$1,883.12
VA	COLONIAL HEIGHTS CITY	$3,584.78
VA	COVINGTON CITY	$1,735.98
VA	CULPEPER COUNTY	$17,177.48
VA	CUMBERLAND COUNTY	$5,566.02
VA	DANVILLE CITY	$10,415.83
VA	DICKENSON COUNTY	$9,027.05
VA	DINWIDDIE COUNTY	$4,658.92
VA	DUMFRIES TOWN	$4,671.59
VA	ELKTON TOWN	$1,777.20
VA	EMPORIA CITY	$1,549.36
VA	EXMORE TOWN	$374.97
VA	FAIRFAX CITY	$8,332.66
VA	FARMVILLE TOWN	$1,986.82
VA	FLOYD COUNTY	$1,388.78
VA	FLUVANNA COUNTY	$589.71
VA	FRANKLIN CITY	$1,627.48
VA	FRANKLIN COUNTY	$3,520.55
VA	FREDERICKSBURG CITY	$10,276.98
VA	FRONT ROYAL TOWN	$5,478.73
VA	GALAX CITY	$1,998.28
VA	GLOUCESTER COUNTY	$3,980.93

VA	GREENE COUNTY	$1,549.36
VA	GREENSVILLE COUNTY	$1,291.13
VA	HAMPTON ROADS JAIL AUTHORITY	$1,102.35
VA	HARRISONBURG CITY	$19,812.63
VA	HENRY COUNTY	$14,200.73
VA	HERNDON TOWN	$8,332.66
VA	HOPEWELL CITY	$3,098.71
VA	ISLE OF WIGHT COUNTY	$3,827.40
VA	JAMES CITY COUNTY	$17,498.59
VA	KING AND QUEEN COUNTY	$1,849.43
VA	KING GEORGE COUNTY	$2,775.39
VA	KING WILLIAM COUNTY	$2,502.58
VA	LANCASTER COUNTY	$2,142.19
VA	LEESBURG TOWN	$4,016.35
VA	LEXINGTON CITY	$1,928.67
VA	LOUISA COUNTY	$4,109.05
VA	LURAY TOWN	$929.62
VA	LYNCHBURG CITY	$21,306.00
VA	MANASSAS CITY	$6,455.64
VA	MANASSAS PARK CITY	$3,471.95
VA	MARION TOWN	$3,508.84
VA	MARTINSVILLE CITY	$9,485.35
VA	MATHEWS COUNTY	$980.83
VA	MIDDLETOWN TOWN	$1,010.34
VA	MONTGOMERY COUNTY	$5,499.99
VA	NEW KENT COUNTY	$2,956.76
VA	NEW RIVER VALLEY REGIONAL JAIL AUTHORITY	$9,699.74
VA	NOTTOWAY COUNTY	$735.62
VA	ORANGE COUNTY	$5,555.11
VA	PAGE COUNTY	$4,742.68
VA	PAMUNKEY REGIONAL JAIL AUTHORITY	$1,226.03
VA	PENINSULA AIRPORT COMMISSION	$1,154.43
VA	PETERSBURG CITY	$12,157.01
VA	PITTSYLVANIA COUNTY	$4,285.68
VA	PORTSMOUTH CITY	$72,978.47
VA	PRINCE EDWARD COUNTY	$1,899.33
VA	PRINCE GEORGE COUNTY	$5,887.03
VA	PULASKI TOWN	$2,829.64
VA	PURCELLVILLE TOWN	$1,735.54
VA	RAPPAHANNOCK COUNTY	$807.74
VA	ROANOKE CITY	$17,506.87
VA	ROANOKE COUNTY	$19,369.10
VA	ROCKBRIDGE COUNTY	$9,027.06
VA	ROCKY MOUNT TOWN	$692.66
VA	RAPPAHANNOCK REGIONAL JAIL	$6,249.50
VA	SALEM CITY	$3,992.75
VA	SCOTTSVILLE TOWN	$1,258.58

VA	SHENANDOAH TOWN	$1,032.47
VA	SMITHFIELD TOWN	$4,247.97
VA	ST PAUL TOWN	$1,610.99
VA	STANLEY TOWN	$2,381.76
VA	SUFFOLK CITY	$18,182.12
VA	SURRY COUNTY	$4,457.11
VA	TAZEWELL COUNTY	$15,171.08
VA	TAZEWELL TOWN	$493.88
VA	TIMBERVILLE TOWN	$260.40
VA	TOWN OF DAYTON	$979.96
VA	VINTON TOWN	$2,387.83
VA	WARREN COUNTY	$5,199.24
VA	WARRENTON TOWN	$4,253.27
VA	WARSAW TOWN	$401.45
VA	WASHINGTON COUNTY	$6,249.50
VA	WEST POINT TOWN	$3,475.76
VA	WESTMORELAND COUNTY	$2,356.48
VA	WILLIAMSBURG CITY	$4,760.04
VA	WINCHESTER CITY	$1,716.45
VA	WISE COUNTY	$6,640.09
VA	WISE TOWN	$860.57
VA	WYTHE COUNTY	$2,495.46
VA	WESTERN VIRGINIA REGIONAL JAIL	$4,040.48
VA	YORK COUNTY	$7,638.27
	Totals for VA(116 Jurisdictions):	**$634,990.00**
VT	ADDISON COUNTY	$4,395.48
VT	BARRE CITY	$1,645.70
VT	BARRE TOWN	$805.93
VT	BELLOWS FALLS VILLAGE	$2,468.55
VT	BENNINGTON COUNTY	$5,207.92
VT	BENNINGTON TOWN	$3,107.39
VT	BERLIN TOWN	$1,699.52
VT	BRANDON TOWN	$2,417.78
VT	BRATTLEBORO TOWN	$2,517.16
VT	BURLINGTON CITY	$12,737.38
VT	CALEDONIA COUNTY	$2,574.45
VT	ESSEX JUNCTION VILLAGE	$3,223.70
VT	FAIR HAVEN TOWN	$2,781.25
VT	GRAND ISLE COUNTY	$1,343.21
VT	HARDWICK TOWN	$694.39
VT	HARTFORD TOWN	$2,167.80
VT	KILLINGTON TOWN	$737.79
VT	MANCHESTER TOWN	$3,689.38
VT	MILTON TOWN	$3,263.20
VT	MONTPELIER CITY	$1,386.61
VT	MORRISTOWN TOWN	$1,645.70
VT	NORTHFIELD TOWN	$456.57

VT	NORWICH TOWN	$434.00
VT	ORLEANS COUNTY	$4,969.78
VT	RUTLAND CITY	$3,846.05
VT	SHELBURNE TOWN	$1,645.70
VT	SOUTH BURLINGTON CITY	$5,468.31
VT	SPRINGFIELD TOWN	$2,149.14
VT	ST ALBANS CITY	$1,611.85
VT	WEATHERSFIELD TOWN	$965.64
VT	WILMINGTON TOWN	$1,727.30
VT	WOODSTOCK VILLAGE	$1,681.73
	Totals for VT(32 Jurisdictions):	**$85,466.36**
WA	ADAMS COUNTY	$4,600.30
WA	ALGONA CITY	$410.35
WA	ANACORTES CITY	$2,306.13
WA	ARLINGTON CITY	$1,913.74
WA	ASOTIN COUNTY	$1,598.09
WA	AUBURN CITY	$11,779.48
WA	ASOTIN CITY	$694.39
WA	BAINBRIDGE ISLAND CITY	$5,583.32
WA	BATTLE GROUND CITY	$2,183.39
WA	BELLINGHAM CITY	$19,786.75
WA	BLACK DIAMOND TOWN	$663.46
WA	BONNEY LAKE CITY	$2,877.31
WA	BOTHELL CITY	$5,119.82
WA	BREMERTON CITY	$437.58
WA	BREWSTER CITY	$1,435.91
WA	BRIER CITY	$2,278.47
WA	BURLINGTON CITY	$3,695.08
WA	CASTLE ROCK CITY	$2,083.17
WA	CENTRALIA CITY	$3,645.91
WA	CHEHALIS CITY	$1,901.76
WA	CHELAN COUNTY	$4,886.29
WA	CHENEY CITY	$2,681.29
WA	CLALLAM COUNTY	$10,818.92
WA	CLARKSTON CITY	$2,099.19
WA	CLE ELUM CITY	$808.59
WA	COLLEGE PLACE TOWN	$2,649.10
WA	COLVILLE CITY	$417.95
WA	CONNELL CITY	$1,735.98
WA	DES MOINES CITY	$5,207.92
WA	DOUGLAS COUNTY	$2,684.61
WA	DUPONT CITY	$3,363.45
WA	EDMONDS CITY	$7,522.51
WA	ELLENSBURG CITY	$4,159.65
WA	ELMA CITY	$566.63
WA	ENUMCLAW CITY	$4,358.66
WA	EPHRATA CITY	$1,352.33

WA	FEDERAL WAY CITY	$29,944.41
WA	FERNDALE CITY	$363.26
WA	FRANKLIN COUNTY	$2,430.36
WA	GARFIELD COUNTY	$1,004.65
WA	GIG HARBOR CITY	$1,746.27
WA	GOLDENDALE CITY	$3,766.43
WA	GRAYS HARBOR COUNTY	$2,668.83
WA	HOQUIAM CITY	$3,325.76
WA	ISLAND COUNTY	$9,755.49
WA	ISSAQUAH CITY	$1,946.19
WA	JEFFERSON COUNTY	$4,365.10
WA	KALAMA CITY	$1,041.59
WA	KELSO CITY	$3,740.15
WA	KENNEWICK CITY	$9,098.53
WA	KIRKLAND CITY	$6,101.94
WA	KITTITAS COUNTY	$15,751.15
WA	KLICKITAT COUNTY	$6,403.29
WA	LA CENTER TOWN	$2,472.15
WA	LACEY CITY	$13,519.04
WA	LAKE FOREST PARK CITY	$3,401.99
WA	LAKE STEVENS CITY	$2,925.98
WA	LAKEWOOD CITY	$10,763.02
WA	LEWIS COUNTY	$6,943.89
WA	LINCOLN COUNTY	$1,412.03
WA	LONGVIEW CITY	$10,403.79
WA	LYNNWOOD CITY	$9,317.39
WA	MARYSVILLE CITY	$4,767.27
WA	MASON COUNTY	$9,535.26
WA	MEDINA CITY	$368.70
WA	MILL CREEK CITY	$521.58
WA	MILTON CITY	$1,959.48
WA	MONROE CITY	$3,248.48
WA	MOSES LAKE CITY	$7,492.45
WA	MOUNT VERNON CITY	$6,077.10
WA	MOUNTLAKE TERRACE CITY	$3,059.65
WA	MOXEE CITY	$2,378.51
WA	MUKILTEO CITY	$6,119.73
WA	NORMANDY PARK CITY	$1,618.80
WA	NORTHSHORE FIRE DEPT	$11,769.10
WA	OAK HARBOR CITY	$3,607.94
WA	OCEAN SHORES CITY	$824.59
WA	OKANOGAN COUNTY	$5,331.84
WA	OLYMPIA CITY	$11,124.58
WA	ORTING CITY	$1,124.91
WA	OTHELLO CITY	$2,267.62
WA	PACIFIC CITY	$2,962.00
WA	PASCO CITY	$18,197.31

WA	PORT ANGELES CITY	$2,285.63
WA	PORT TOWNSEND CITY	$3,936.71
WA	PULLMAN CITY	$2,669.06
WA	PUYALLUP CITY	$7,776.72
WA	QUINAULT TRIBE	$1,028.57
WA	QUINCY CITY	$3,645.54
WA	REDMOND CITY	$3,769.66
WA	RICHLAND CITY	$4,166.33
WA	ROY CITY	$312.48
WA	ROYAL CITY	$1,040.55
WA	RUSTON TOWN	$736.29
WA	SEDRO WOOLLEY CITY	$1,705.60
WA	SELAH CITY	$3,238.46
WA	SHELTON CITY	$1,770.26
WA	SPOKANE SCH DIST 81	$1,592.32
WA	STEVENS COUNTY	$3,798.12
WA	SUMNER CITY	$3,482.89
WA	TENINO CITY	$2,677.82
WA	TOLEDO CITY	$650.38
WA	TOPPENISH CITY	$2,089.68
WA	TUKWILA CITY	$7,874.80
WA	WAHKIAKUM COUNTY	$2,366.13
WA	WALLA WALLA CITY	$4,677.58
WA	WASHOUGAL CITY	$2,312.98
WA	WENATCHEE CITY	$6,548.64
WA	WESTPORT CITY	$2,539.30
WA	WHITE SALMON CITY	$805.23
WA	YAKIMA CITY	$30,551.72
	Totals for WA(111 Jurisdictions):	**$509,326.51**
WI	ALBANY VILLAGE	$1,369.25
WI	ALGOMA CITY	$2,083.17
WI	ALTOONA CITY	$4,018.25
WI	AMERY CITY	$694.39
WI	ANTIGO CITY	$1,334.53
WI	APPLETON CITY	$7,638.27
WI	ARCADIA CITY	$439.21
WI	ASHLAND CITY	$2,295.83
WI	ASHLAND COUNTY	$1,514.21
WI	BANGOR VILLAGE	$1,041.59
WI	BARABOO CITY	$1,844.47
WI	BARRON CITY	$1,354.84
WI	BARRON COUNTY	$1,631.82
WI	BAYFIELD COUNTY	$3,304.86
WI	BAYSIDE VILLAGE	$1,041.59
WI	BEAVER DAM CITY	$2,065.81
WI	BELMONT VILLAGE	$610.20
WI	BELOIT CITY	$9,156.14

WI	BELOIT TOWN	$1,413.08
WI	BERLIN CITY	$1,952.97
WI	BIG BEND VILLAGE	$1,074.14
WI	BLACK RIVER FALLS CITY	$985.17
WI	BLOOMFIELD TOWN	$2,217.71
WI	BONDUEL VILLAGE	$412.30
WI	BOYCEVILLE VILLAGE	$641.88
WI	BRODHEAD CITY	$603.25
WI	BROOKFIELD CITY	$2,430.36
WI	BROOKFIELD TOWN	$1,362.74
WI	BROWN DEER VILLAGE	$2,506.31
WI	BUFFALO COUNTY	$1,041.59
WI	BURLINGTON CITY	$4,246.62
WI	BURNETT COUNTY	$2,994.55
WI	CALUMET COUNTY	$1,161.94
WI	CEDARBURG CITY	$2,226.81
WI	CHIPPEWA COUNTY	$1,740.32
WI	CHIPPEWA FALLS CITY	$2,035.43
WI	CLARK COUNTY	$2,707.67
WI	CLEVELAND VILLAGE	$552.04
WI	COLUMBIA COUNTY	$3,925.47
WI	COLUMBUS CITY	$1,106.69
WI	COTTAGE GROVE VILLAGE	$737.79
WI	CRAWFORD COUNTY	$10,936.62
WI	CUBA CITY	$1,041.59
WI	CUDAHY CITY	$1,518.98
WI	DARLINGTON CITY	$347.20
WI	DE FOREST VILLAGE	$1,600.57
WI	DELAFIELD CITY	$1,249.90
WI	DELAVAN CITY	$10,297.38
WI	DELAVAN TOWN	$1,844.47
WI	DODGE COUNTY	$6,958.53
WI	DODGEVILLE CITY	$867.99
WI	DOOR COUNTY	$2,321.10
WI	DOUGLAS COUNTY	$1,553.70
WI	DUNN COUNTY	$2,343.56
WI	DURAND CITY	$2,000.71
WI	EAGLE RIVER CITY	$339.82
WI	EAU CLAIRE CITY	$15,707.06
WI	EDGERTON CITY	$562.71
WI	ELKHORN CITY	$1,952.97
WI	ELLSWORTH VILLAGE	$781.18
WI	ELM GROVE VILLAGE	$284.27
WI	FALL RIVER VILLAGE	$3,576.10
WI	FENNIMORE CITY	$692.66
WI	FITCHBURG CITY	$6,826.71
WI	FLORENCE COUNTY	$390.34

WI	FOND DU LAC CITY	$9,452.36
WI	FOREST COUNTY	$1,971.83
WI	FORT ATKINSON CITY	$1,871.38
WI	FOX POINT VILLAGE	$2,083.17
WI	FRANKLIN CITY	$5,207.92
WI	GENOA CITY VILLAGE	$1,018.28
WI	GLENDALE CITY	$3,819.14
WI	GRAFTON VILLAGE	$1,797.17
WI	GRAND CHUTE TOWN	$2,261.11
WI	GRANT COUNTY	$2,300.17
WI	GREEN COUNTY	$3,471.95
WI	GREENFIELD CITY	$11,327.21
WI	HALES CORNERS VILLAGE	$2,042.37
WI	HAMMOND VILLAGE	$340.69
WI	HARTFORD CITY	$1,270.74
WI	HARTLAND VILLAGE	$1,041.59
WI	HOLMEN VILLAGE	$2,113.55
WI	HORICON CITY	$737.79
WI	HORTONVILLE VILLAGE	$1,747.26
WI	HUDSON CITY	$6,370.74
WI	HURLEY CITY	$1,437.38
WI	INDEPENDENCE CITY	$2,441.21
WI	IOWA COUNTY	$2,477.23
WI	IRON COUNTY	$1,423.50
WI	JACKSON COUNTY	$1,163.11
WI	JACKSON VILLAGE	$2,083.17
WI	JANESVILLE CITY	$16,142.91
WI	JUNEAU CITY	$290.78
WI	JUNEAU COUNTY	$5,207.92
WI	KENOSHA CITY	$15,363.34
WI	KEWASKUM VILLAGE	$911.39
WI	KEWAUNEE CITY	$924.41
WI	KEWAUNEE COUNTY	$2,080.57
WI	KIEL CITY	$3,645.54
WI	KRONEWETTER TOWN	$1,801.07
WI	LA CROSSE CITY	$17,359.71
WI	LAKE DELTON VILLAGE	$2,430.36
WI	LAKE GENEVA CITY	$1,399.20
WI	LAKE HALLIE VILLAGE	$1,034.58
WI	LAKE MILLS CITY	$1,909.57
WI	LANGLADE COUNTY	$2,639.11
WI	LINCOLN COUNTY	$4,044.82
WI	LITTLE CHUTE VILLAGE	$2,083.17
WI	LODI CITY	$488.25
WI	MANITOWOC CITY	$4,567.34
WI	MANITOWOC COUNTY	$3,687.21
WI	MARINETTE CITY	$3,775.74

WI	MARINETTE COUNTY	$5,901.44
WI	MARQUETTE COUNTY	$613.67
WI	MARSHFIELD CITY	$2,083.17
WI	MCFARLAND VILLAGE	$397.11
WI	MEDFORD CITY	$2,271.96
WI	MELROSE VILLAGE	$347.20
WI	MENASHA CITY	$2,386.96
WI	MENOMINEE COUNTY	$2,050.62
WI	MENOMONEE FALLS VILLAGE	$2,725.48
WI	MENOMONIE CITY	$3,688.94
WI	MEQUON CITY	$4,131.40
WI	MERRILL CITY	$1,475.58
WI	MIDDLETON CITY	$2,430.36
WI	MILTON CITY	$1,476.62
WI	MINOCQUA TOWN	$963.47
WI	MISHICOT VILLAGE	$305.50
WI	MONROE CITY	$1,427.84
WI	MONROE COUNTY	$1,716.45
WI	MOSINEE CITY	$451.36
WI	MOUNT PLEASANT TOWN	$6,249.50
WI	MUKWONAGO TOWN	$539.02
WI	MUKWONAGO VILLAGE	$1,138.55
WI	MUSKEGO CITY	$4,166.33
WI	MENOMINEE INDIAN TRIBE OF WISCONSIN	$6,677.41
WI	NEENAH CITY	$4,201.92
WI	NEKOOSA CITY	$1,041.59
WI	NEW BERLIN CITY	$3,819.14
WI	NEW HOLSTEIN CITY	$2,126.13
WI	NEW LONDON CITY	$1,537.25
WI	NIAGARA CITY	$343.73
WI	NORTH FOND DU LAC VILLAGE	$704.64
WI	NORWALK VILLAGE	$416.64
WI	OAK CREEK CITY	$7,950.56
WI	OCONOMOWOC CITY	$1,656.02
WI	OMRO CITY	$2,159.12
WI	ONALASKA CITY	$1,794.56
WI	ONEIDA COUNTY	$4,535.23
WI	OREGON VILLAGE	$610.20
WI	OSHKOSH CITY	$6,509.89
WI	OWEN CITY	$933.09
WI	OZAUKEE COUNTY	$5,260.00
WI	PALMYRA VILLAGE	$585.89
WI	PESHTIGO CITY	$395.78
WI	PEWAUKEE VILLAGE	$693.53
WI	PHILLIPS CITY	$876.67
WI	PIERCE COUNTY	$2,415.17
WI	PLATTEVILLE CITY	$1,572.79

WI	PLOVER VILLAGE	$2,777.56
WI	PLYMOUTH CITY	$1,041.59
WI	POLK COUNTY	$4,122.93
WI	PORTAGE CITY	$1,457.76
WI	PORTAGE COUNTY	$2,637.67
WI	PRAIRIE DU CHIEN CITY	$2,365.26
WI	PRICE COUNTY	$3,624.71
WI	RACINE CITY	$15,189.75
WI	REDGRANITE VILLAGE	$694.39
WI	REEDSBURG CITY	$3,688.94
WI	RHINELANDER CITY	$1,426.89
WI	RICE LAKE CITY	$1,197.82
WI	RICHLAND CENTER CITY	$1,119.71
WI	RICHLAND COUNTY	$2,427.33
WI	RIVER FALLS CITY	$1,592.69
WI	RIVER HILLS VILLAGE	$392.77
WI	ROBERTS VILLAGE	$874.22
WI	ROME TOWN	$1,128.39
WI	ROTHSCHILD VILLAGE	$2,184.72
WI	RUSK COUNTY	$1,262.92
WI	SAUK COUNTY	$11,305.51
WI	SAWYER COUNTY	$2,133.95
WI	SCHOFIELD CITY	$1,753.34
WI	SHAWANO COUNTY	$3,958.02
WI	SHEBOYGAN FALLS CITY	$690.88
WI	SHOREWOOD HILLS VILLAGE	$1,518.98
WI	SHOREWOOD VILLAGE	$3,901.60
WI	SOUTH MILWAUKEE CITY	$1,410.48
WI	ST CROIX COUNTY	$9,873.34
WI	ST FRANCIS CITY	$607.59
WI	STEVENS POINT CITY	$4,069.45
WI	STURGEON BAY CITY	$282.10
WI	SUPERIOR CITY	$10,242.23
WI	SUMMIT VILLAGE	$937.43
WI	TAYLOR COUNTY	$2,705.08
WI	THIENVILLE VILLAGE	$590.23
WI	TOMAH CITY	$1,355.10
WI	TOMAHAWK CITY	$960.84
WI	TREMPEALEAU COUNTY	$1,421.33
WI	TREMPEALEAU VILLAGE	$914.85
WI	TWIN LAKES VILLAGE	$694.39
WI	TWO RIVERS CITY	$312.48
WI	VERNON COUNTY	$2,430.36
WI	VERONA CITY	$2,551.88
WI	VILLAGE OF FOX CROSSING	$2,821.82
WI	WATERLOO CITY	$466.55
WI	WATERTOWN CITY	$3,471.95

WI	WAUKESHA CITY	$13,887.77
WI	WAUNAKEE VILLAGE	$1,952.97
WI	WAUPACA CITY	$716.01
WI	WAUPACA COUNTY	$3,693.28
WI	WAUSAU CITY	$13,336.88
WI	WAUSHARA COUNTY	$1,709.94
WI	WAUWATOSA CITY	$9,738.80
WI	WEBSTER VILLAGE	$459.65
WI	WEST ALLIS CITY	$8,462.86
WI	WEST BEND CITY	$5,902.30
WI	WEST MILWAUKEE VILLAGE	$1,790.22
WI	WEST SALEM VILLAGE	$1,143.14
WI	WHITEFISH BAY VILLAGE	$1,486.43
WI	WHITEHALL CITY	$1,093.67
WI	WHITEWATER CITY	$1,733.81
WI	WILD ROSE VILLAGE	$690.05
WI	WILLIAMS BAY VILLAGE	$700.47
WI	WISCONSIN DELLS CITY	$4,997.83
WI	WISCONSIN RAPIDS CITY	$1,458.22
WI	WOOD COUNTY	$2,430.36
	Totals for WI(226 Jurisdictions):	**$634,300.31**
WV	BARBOURSVILLE VILLAGE	$3,114.34
WV	BECKLEY CITY	$3,705.43
WV	BRIDGEPORT CITY	$1,952.97
WV	BROOKE COUNTY	$8,679.86
WV	CABELL COUNTY	$5,207.92
WV	CHAPMANVILLE TOWN	$2,061.47
WV	CHARLES TOWN CITY	$1,340.90
WV	CLARKSBURG CITY	$5,338.03
WV	HARDY COUNTY	$509.95
WV	HARRISON COUNTY	$3,145.58
WV	HUNTINGTON CITY	$6,466.49
WV	KEYSER CITY	$1,587.12
WV	LEWIS COUNTY	$1,202.16
WV	LEWISBURG CITY	$4,166.33
WV	LOGAN COUNTY	$7,239.00
WV	MARION COUNTY	$7,811.87
WV	MILTON TOWN	$3,033.61
WV	MOOREFIELD TOWN	$1,413.74
WV	MORGANTOWN CITY	$6,159.66
WV	MOUNDSVILLE CITY	$1,450.41
WV	NICHOLAS COUNTY	$5,576.46
WV	NITRO CITY	$6,249.45
WV	OAK HILL CITY	$2,083.17
WV	OCEANA TOWN	$1,213.97
WV	OHIO COUNTY	$2,675.57
WV	PRINCETON CITY	$1,616.63

WV	PUTNAM COUNTY	$3,645.54
WV	RITCHIE COUNTY	$694.39
WV	SOUTH CHARLESTON CITY	$3,059.65
WV	STONEWOOD CITY	$561.58
WV	SUMMERSVILLE TOWN	$5,205.75
WV	WEIRTON CITY	$5,533.41
WV	WHITE HALL TOWN	$184.89
WV	WOOD COUNTY	$2,263.28
WV	WYOMING COUNTY	$6,184.40
	Totals for WV(35 Jurisdictions):	**$122,334.98**
WY	ALBANY COUNTY	$5,209.74
WY	BIG HORN COUNTY	$4,130.31
WY	CAMPBELL COUNTY	$6,227.80
WY	CARBON COUNTY	$2,078.83
WY	CHEYENNE CITY	$19,529.67
WY	CODY CITY	$1,562.38
WY	CROOK COUNTY	$2,083.17
WY	DOUGLAS CITY	$1,380.10
WY	EVANSTON CITY	$3,499.24
WY	FREMONT COUNTY	$8,332.66
WY	GILLETTE CITY	$2,742.84
WY	GOSHEN COUNTY	$842.38
WY	GREEN RIVER CITY	$1,104.52
WY	GREYBULL TOWN	$1,708.85
WY	HANNA TOWN	$694.39
WY	JACKSON TOWN	$2,083.17
WY	LARAMIE CITY	$6,059.41
WY	MANDERSON TOWN	$468.70
WY	NATRONA COUNTY	$5,068.74
WY	PLATTE COUNTY	$10,068.52
WY	POWELL CITY	$1,019.45
WY	RAWLINS CITY	$2,756.03
WY	RIVERTON CITY	$1,924.76
WY	ROCK SPRINGS CITY	$4,426.73
WY	SARATOGA TOWN	$1,735.98
WY	SHERIDAN CITY	$2,083.17
WY	SHERIDAN COUNTY	$7,987.27
WY	SUBLETTE COUNTY	$5,409.25
WY	SWEETWATER COUNTY	$9,656.34
WY	TETON COUNTY	$4,491.83
WY	UINTA COUNTY	$1,846.73
WY	WESTON COUNTY	$1,735.98
WY	WORLAND CITY	$1,962.81
	Totals for WY(33 Jurisdictions):	**$131,911.75**
	Report Totals for (5208 Jurisdictions):	**$21,187,409.00**

APPLICATION DETAILS

APPLICATION PROFILE

Participant	MILPITAS CITY
Fiscal Year	2019
Number of Agencies Applied	0
Total Number of Officers for Application	86
Number of Officers on Approved Applications	86

APPLICATION PROFILE

Fiscal Year		2019
Vest Replacement Cycle		5
Number of Officers		86
Number of Emergency Replacement Needs	**Number of Stolen or Damaged**	0
	Number of Officer Turnover	5

NIJ#	Quantity	Unit Price	Extended Cost	Tax Shipping and Handling	Total Cost
BA-3A00S-SX02	41	$1,040.00	$42,640.00	$93.60	$42,733.60
Grand Totals	**41**		**$42,640.00**	**$93.60**	**$42,733.60**

AWARD SUMMARY FOR FY2019 REGULAR FUND

Funds Type	Eligible Amount	Award	Date Approved	Status
Regular Fund	$42,733.60	$18,546.07	09/24/19	Approved by BVP
Grand Totals:	$42,733.60	$18,546.07		

RETURN

City of Milpitas, California

BUDGET CHANGE FORM

Type of Change	From*		To*	
	Account	Amount	Account	Amount
Check one: ☒ Budget Appropriation ☐ Budget Transfer	100-3557	$18,546.07	100-721-4223	$18,546.07

Accept the 2019 Bulletproof Vest Partnership Grant and approve a budget appropriation for $18,546.07 into the Milpitas Police Department's operating budget.

Background: The Bulletproof Vest Partnership (BVP) Grant Act of 1998 is a unique U.S. Department of Justice initiative designed to provide a critical resource to state and local law enforcement. The BVP program purpose is to reimburse state and local law enforcement up to fifty percent of body armor costs. The Milpitas Police Department has been participating in the BVP Grant Program consecutively since 2008.

The United States Department of Justice, Office of Justice Programs and Bureau of Justice Assistance has awarded the Milpitas Police Department a (BVP) grant in the amount of $18,546.07. The grant will reimburse the City of Milpitas fifty-percent of the cost for each ballistic vest purchased between April 1, 2019 and August 31, 2021.

Analysis: The Police Officer's Association Memorandum of Understanding (MOU), in § 22.11, compels all uniformed officers to wear a ballistic vest and requires the City of Milpitas to provide each officer with a ballistic vest, and three ballistic vest covers. Officers not in a uniformed assignment, are required to wear a ballistic vest when circumstances dictate the need for the equipment. The life span of a ballistic vest is five years. After a five-year period, all ballistic vests must be replaced as soon as reasonably possible.

The Police Department anticipates purchasing approximately 32 ballistic vests during this award period and the expense will be approximately $37,092.00. Under this grant, the Department of Justice will reimburse the City of Milpitas fifty-percent of this cost.

Ballistic vests have been proven to save lives. The Chief of Police will continue to require officers to maintain this equipment in good working order and use the equipment consistent with the MOU, policy, and sound officer safety practice.

Policy Alternative:

Alternative: Decline the grant award and the ability to recover fifty-percent of the cost for each ballistic vest purchased through August 31, 2021.

Pros: None
Cons: The grant will reimburse the City of Milpitas fifty-percent of the cost for each ballistic vest purchased by the Milpitas Police Department.
Reason not recommended: Not accepting BVP grant will increase the expenditure for ballistic vests.

Fiscal Impact: There are sufficient funds in the FY 2019-20 Police Department Operating Budget for the grant match in the amount of $18,546.07.

Recommendation:
1. Accept the 2019 Bulletproof Vest Partnership (BVP) grant.
2. Approve a Budget appropriation for $18,546.07 into the Police Department operating budget.

Attachments:

1) BVP 2019 Staff Report.
2) 2019 BVP awards list.
3) BVP Award Summary for City of Milpitas.
4) Budget Change Form

☒ **Check if City Council Approval required.** **Meeting Date**: November 05, 2019

Requested by:	**Department Head:** Armando Corpuz	**Date:** November 05, 2019
Reviewed by:	**Finance Director:** Walter C. Rossmann	**Date:** November 05, 2019
Date approved by City Council, if required:	**Confirmed by:**	

FI/24786/V **Form 30-222 (Rev. 1/92)**

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Receive a Report on Emergency Repair of Abel Street Water Main and Authorize the Interim City Manager to Execute Contracts with Preston Pipeline and Joseph J. Albanese for the Emergency Repair Work**
Category:	Consent Calendar-Community Services and Sustainable Infrastructure
Meeting Date:	11/5/2019
Staff Contact:	Tony Ndah, Director of Public Works, 408-586-2602
Recommendations**:**	1. Receive a report from the Public Works Director on the emergency repair work on a water main on Abel Street. 2. Authorize the Interim City Manager to execute two contracts with Preston Pipeline and Joseph J. Albanese, respectively, for the emergency repair of the Abel Street Water Main

Background: Pursuant to Public Contract Code section 22050 and Council Resolution No. 7779, the Director of Public Works may authorize emergency work, but must provide the City Council with a report of all such activities. Pursuant to this authority, the Public Works Director authorized the hiring of Preston Pipeline and Joseph J. Albanese to complete the emergency repair of a 14-inch water main and roadway on Abel Street.

On Wednesday, October 9, 2019, the City experienced a malfunction on one of its pressure regulating valves (PRV), located near Curtis Ave. These PRVs are designed to automatically reduce the high incoming water pressure from the wholesale water suppliers to provide a lower, more functional pressure for the City's distribution system. The malfunction resulted in an over pressurization of the pipes in the vicinity of the PRV, which resulted in the failure of a 14-inch asbestos cement water main, in the northbound lanes of Abel Street, just south of the intersection with Great Mall Parkway. In addition to this water main failure, an additional five water line breaks occurred on the distribution system around the same time, in the vicinity of this PRV.

Due to the number of leaks, magnitude of the water main break, and the urgent need to restore water supply to the businesses and homes in the area, the Public Works Director authorized Preston Pipelines and Joseph J. Albanese to complete the water pipeline and roadway repair work on Abel Street, while City crews handled the other five leaks in the area. The water main repairs were completed on Wednesday, October 16, 2019 and the roadway was reopened on Friday, October 18, 2019.

Analysis: Due to the size of the repair and the urgent need to restore the water main to provide and maintain water service to numerous residents and businesses in the City, it was determined the repair project constituted an emergency that would not permit a delay resulting from a competitive solicitation of bids. In accordance with Public Contract Code section 22050 and pursuant to authority delegated by the City Council under Council Resolution No. 7779, the Public Works Director authorized Preston Pipelines and Joseph J. Albanese to complete the water pipeline and roadway repair work on Abel Street. City crews closed down the northbound lane of Abel Street between Capitol Avenue and Great Mall Parkway. City crews worked overnight to shut down and isolate the water main break and began repairs on the other 5 water breaks, while Preston Pipeline completed the repairs on the 14-inch water main.

The water flow from the failed water main caused significant damage to approximately 7,000 sq. feet of roadway, lifting the asphalt as much as four inches in places and cracking the asphalt in others. In addition, a large volume of silt and mud was washed out and significant ponding occurred across most of the roadway. Working with City crews, Preston Pipeline staff were able to repair the 14-inch water main on October 16

2019. To expedite the reopening of the road, staff worked with Joseph J. Albanese to complete the roadway repairs and the street was reopened for use on October 18, 2019.

Currently City staff is working on two standard public works construction contracts for the water pipeline and roadway repair work on Abel Street. The total cost for the two contracts is estimated between $100,000 and $175,000 to document the work performed and for payment of invoices. Since the work is now completed, staff seeks authorization for the Interim City Manager to execute the two contracts with Preston Pipeline and Joseph J. Albanese for the emergency repair of the Abel Street Water Main.

Fiscal Impact: Staff estimates the repair of the water main and roadway could cost in the range of $100,000 to $175,000. As a result, there may potentially be insufficient funds available within the FY 2019-20 Public Works Operating Budget for this emergency work. If repair costs exceed the available funding, staff will bring forward a budget appropriation recommendation at a future Council meeting.

California Environmental Quality Act: This emergency repair work is exempt from CEQA per CEQA Guidelines Section 15301, Existing Facilities and 15302, Replacement or Reconstruction

Recommendations:

1. Receive a report from the Public Works Director on the emergency repair work on a water main on Abel Street.
2. Authorize the Interim City Manager to execute two contracts with Preston Pipeline and Joseph J. Albanese, respectively, for the emergency repair of the Abel Street Water Main in a form approved by the City Attorney.

Attachment: None

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Consider Request from Greater Love Church to Waive City Special Event Permit fees of $932.63 (Staff Contact: Mary Lavelle, 408-586-3001)**
Category:	Consent Calendar-Leadership and Support Services
Meeting Date:	11/5/2019
Staff Contact:	Mary Lavelle, 408-586-3001
Recommendation:	Per request form received by the City Clerk, move to waive $932.63 for the Special Event Permit fee and automation fee identified by City Planning staff for the Greater Love Church of God in Christ for its car wash fundraising events in October, benefitting those in need in Milpitas with food and clothing.

Background

On October 1, 2019, the City Clerk received the "Donation or Fee Waiver/Reduction Request Application Form" from Rev. Johnie Q. Jones of the Greater Love Church of God in Christ at 529 S. Main Street in Milpitas. The church applied for a Special Event Permit through the Planning Department, and requested that the City Council waive the City Planning fee of $909 plus the $23.63 automation fee for a total of $932.63 in fees.

The adopted Fiscal Year 2019-20 Budget includes $25,000 for donations, fee waivers, and events. Allocation of this money for the full Council versus individual Councilmembers was included as a discussion item at past City Council meetings, however, due to time constraints, this topic has been deferred. This fee waiver is brought forward for Council consideration, prior to the policy discussion. On September 3, the City Council approved two donation requests for a total of $1,000. On September 17, 2019, the City Council approved one fee waiver of $1,412.63 for American Cancer Society. On October 1, City Council approved one fee waiver for Sunnyhills Neighborhood Association of $1,112.63. Given the budget allocation of $25,000 and the approval of previous requests, approximately $21,475 is remaining to fund donations, fee waivers, and events.

Analysis

Milpitas City Council adopted the "City Council Donation and Fee Waiver/Reduction Policy" on April 16, 2013. A copy is included as part of the fee waiver request. This policy allows Milpitas non-profit organizations to request City fees to be waived up to $1,500 or a donation amount up to $500 to be granted upon request. Requesting groups must be local Milpitas non-profits and provide proof of non-profit status from the federal Internal Revenue Service or the state Franchise Tax Board. Groups are requested to file a follow up report with the City Clerk after the event for which the fee waiver or funds were requested.

The group submitted its application form and IRS letter indicating non-profit status, as required. This is the first request the City has received from Greater Love Church. Planning department staff received and processed the Special Event Permit (with conditions) for carwash fundraisers held at the church facility on multiple Sundays in late October and one in November. Proceeds would be used for donation of food and clothing to those in need in Milpitas.

Fiscal Impact

$25,000 was approved and included in the adopted FY 2019-20 City budget for City Council's Unallocated Community Promotions. If this request is approved, $20,542.11 would remain in that line item of the curr year's budget.

Policy Alternatives:

Alternative 1: Do not approve the fee waiver as requested.

Pros: The City's General Fund will not incur the costs of the fees waived and would receive revenue.

Con: Denial of the request would negatively impact the non-profit organization.

Reason not recommended: Denial of this request would negatively impact a local church and its service to the community. Denial would not allow Greater Love Church to maximize its funds raised.

Alternative 2: Defer approval of the fee waiver requested.

Pros: Council would have an opportunity to discuss a comprehensive policy before taking action on this one or any requested donations or fee waivers.

Con: Deferring this request would negatively impact the non-profit organization.

Reason not recommended: Deferring approval of this request would negatively impact the church.

Recommendation

Per request form received by the City Clerk, move to waive $932.63 for the Special Event Permit fee and automation fee identified by City Planning staff for the Greater Love Church of God in Christ for its car wash fundraising events in October, benefitting those in need in Milpitas with food and clothing.

Attachments

a) Application Form + IRS letter
b) List of Donations/Fee Waivers FY 2019-20

City of Milpitas
Donation or Fee Waiver/Reduction Request Application Form
for Non-Profit Organizations

City Clerk's Office
OCT 01 2019
RECEIVED

Complete this form and return it to Milpitas City Clerk

Please provide a copy of the IRS tax-exempt letter with the application.

Name of Organization: Greater Love Church of God In Christ

Is there a Milpitas branch or affiliation? _____

Mailing Address: 529 So. Main St.

Contact Person: Rev. Johnie Q. Jones Telephone No. 408-483-5149

Email Address: greater_love@comcast.net

What is your request? Donation Amount Requested _____ OR +$23.63

Fee Requested to be waived (type and $ amount) $909 or (Fee from C.I. for Special Event

CAR WASH

Event date(s): ~~9/7 - 9/14 / 9/21 9/28~~ 10/5 10/12 10/25 / 11/1

What is the purpose of the event? Donation of Food and Clothing

How will the Milpitas community benefit from this event? For low income family and children.

What % of the fund raising proceeds will benefit Milpitas community? 50%

How will the City's contribution (if granted) be recognized in any publicity? local news paper to produce in the Milpitas area.

Within 60 days after completion of the event for which a donation was received or a fee waiver/ reduction was granted by the City of Milpitas, your organization will provide a written report to the City Clerk to include at minimum: number of participants, copies of all publicity of the event, any benefit to the community, amount of funds raised and an accounting of how the proceeds of the event will be dispersed.

Signature of Officer: Rev. Johnie Q. Jones Date: 8/29/19

Print Name & Title: Pastor Johnie Q. Jones Greater Love - C.O.G.I.C.

No. 1-7
Effective: 04/16/2013

CITY OF MILPITAS, CALIFORNIA
STANDARD OPERATING PROCEDURE

SUBJECT: CITY COUNCIL DONATION AND FEE WAIVER/REDUCTION POLICY

1. Purpose

The City of Milpitas recognizes the value of partnership with other agencies and organizations in providing services that benefit the community and its residents. To that end, the City may provide a donation or grant a reduction and/or waiver of fees to intergovernmental agencies or non-profit organizations that provide Milpitas community benefit.

2. Donation and Fee Waiver Budget

With each budget cycle, the City Council will establish an annual budget amount for donations or fee waivers/reductions for unspecified community events. Except for extraordinary circumstances, donations and or fee waivers/reductions will not be granted once the budgeted amount has been expended.

3. Requirements

a) Any requests for donation or fee waiver/reduction must be submitted in writing using the attached application form.

b) Requests for donations or fee waivers/reductions will be considered by the City Council during a regularly scheduled meeting.

c) To be eligible, the organization must be a non-profit organization as described by the Internal Revenue Section such as 501(c)(3) or an intergovernmental agency. In either case, only events that provide community benefit within the City of Milpitas shall be eligible. If fund raising is involved, the organization must demonstrate that at least 60% of fund raised will be of general benefit to the Milpitas community. The organization must be non-discriminatory, and non-political in nature, based in Milpitas or have a local affiliation within the City.

d) If the request for donation or fee waiver/reduction is for a community event, the event must be advertised, open to the public and no entrance fee shall be charged for the event.

e) Fee waivers/reductions only apply to services provided by the City during its regular course of business. Such fees may include rental fees for the City's facilities or equipment, building permit fees or fire permit fees. Any City staff overtime costs required due to the event cannot be waived.

f) The City Council may grant donation or fee waiver/reduction to each organization once annually, regardless of how many branches or affiliations it may have in the City.

g) The fee waiver/reduction amount is further subject to $1,500 maximum annually and the donation amount is subject to $500 maximum annually for each organization. A fee waiver/reduction request cannot be combined with a donation request.

h) To the extent possible, the City's contribution should be recognized in the event fliers and/or advertising.

i) Within 60 days after completion of the event in which a donation was received or a fee waiver/reduction was granted by the City, the organization will provide a written report to the City Clerk to include at minimum: number of participants, copies of all publicity of the event, any benefit to the community, amount of funds raised and an accounting of how the proceeds of the event will be dispersed.

j) Failure to abide by the rules and procedures as set forth in this document will result in the organization being denied for funding and/or fee waiver/reduction in the future.

INTERNAL REVENUE SERVICE
P. O. BOX 2508
CINCINNATI, OH 45201

DEPARTMENT OF THE TREASURY

Date: JUN 16 2006

GREATER LOVE CHURCH OF GOD IN
CHRIST CORPORATION
PO BOX 362010
MILPITAS, CA 95036

Employer Identification Number:
37-1691834
DLN:
17053126324035
Contact Person:
MRS. KREBS ID# 31072
Contact Telephone Number:
(877) 829-5500
Accounting Period Ending:
December 31
Public Charity Status:
170(b)(1)(A)(i)
Form 990 Required:
Yes
Effective Date of Exemption:
December 17, 1979
Contribution Deductibility:
No
Addendum Applies:
No

Dear Applicant:

We are pleased to inform you that upon review of your application for tax exempt status we have determined that you are exempt from Federal income tax under section 501(c)(3) of the Internal Revenue Code. Contributions to you are deductible under section 170 of the Code. You are also qualified to receive tax deductible bequests, devises, transfers or gifts under section 2055, 2106 or 2522 of the Code. Because this letter could help resolve any questions regarding your exempt status, you should keep it in your permanent records.

Organizations exempt under section 501(c)(3) of the Code are further classified as either public charities or private foundations. We determined that you are a public charity under the Code section(s) listed in the heading of this letter.

For important information about your responsibilities as a tax-exempt organization, go to www.irs.gov/charities. Enter "4221-PC" in the search bar to view Publication 4221-PC, Compliance Guide for 501(c)(3) Public Charities, which describes your recordkeeping, reporting, and disclosure requirements.

Sincerely,

Director, Exempt Organizations

CITY COUNCIL UNALLOCATED COMMUNITY PROMOTIONS BUDGET

Fee Waiver + Other Requests by FY

Fee Waiver or Donation Requested by:	Event/Activity	Event Date	$ Amount waived or donated	Date Approved or Scheduled for Consideration by City Council	City Council Community Promotions Unallocated 100-100-4203 balance
FY 2019-20					$25,000.00
Korean Language & Culture Foundation	Hangeul Day - donation	9/19/2019	$500.00	approved 9/3/2019	$24,500.00
Milpitas Community Educational Endowment	Mid-Autumn Festival - donation	9/28/2019	$500.00	approved 9/3/2019	$24,000.00
American Cancer Society	Bark for Life run/walk - park rental fee waiver	10/5/2019	$1,412.63	approved 9/17/2020	$22,587.37
Sunnyhills Neighborhood Association	Halloween Neighbor-hood Safety event - Permit fee waiver	10/26/2019	$1,112.63	approved 10/01/2019	$21,474.74
Greater Love Church of God in Christ	carwash fundraiser - Permit fee waiver	10/5, 10/12, 10/25, 11/01/2019	$932.63	scheduled 11/05/2019	

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Approve City Council Meeting Schedule for 2020 (Staff Contact: Mary Lavelle, 408-586-3001)**
Category:	Consent Calendar-Leadership and Support Services
Meeting Date:	11/5/2019
Staff Contact:	**Mary Lavelle, 408-586-3001**
Recommendation:	Move to approve the 2020 Milpitas City Council meeting schedule, with any changes requested at the City Council meeting.

Background: The Milpitas Mayor and City Council are requested to consider and adopt their meeting schedule for 2020. Regarding the City Council's summer time meeting dates, it has been tradition to cancel both of the July regular Milpitas City Council meeting dates. Also, due to celebration of National Night Out on the first Tuesday in August, the meeting date of August 4 is recommended to be canceled.

In 2020, staff recommends seven dates for Council study sessions, with three dates in the fall set aside for as yet unnamed topics. When needed, the City Manager will request the Council to meet on a specified subject and one of those established dates may be then scheduled for a special meeting. Four dates in the first half of the year are for study sessions on the CIP, municipal fees and city budget.

City staff has begun to prepare year-long calendars for next year and have inquired of the City Council as to what schedule will be followed in 2020. Staff requests that the Council act on a confirmed schedule for 2020 for its regular bi-monthly Tuesday business meetings. The proposed 2020 schedule is included in the Council agenda packet.

Recommendation: Move to approve the 2020 Milpitas City Council meeting schedule, with any changes requested at the City Council meeting.

Attachment: 2020 Council Meeting Dates list

City of Milpitas – City Council

2020 Regular Meeting Dates

Tuesdays at 7:00 PM

& Proposed 2020 Study Session Dates

Tuesdays at 5:30 PM (special)

January 7 and 21
January 28 **Preliminary Budget Study Session**
February 4 and 18
March 3 and 17
March 24 **CIP Study Session**
April 7 and 21
April 14 **Master Fee Schedule Study Session**
May 5 and 19
May 12 **FY 2020-21 Budget Study Session**
June 2 and 16
July – none
August 7 (Fri) and 11 (special)
August 18
September 1 and 15
September 8 or 22
October 6 and 20
October 13
November 3 and 17
November 10
December 1 and 15

Notes: Both July meetings and the first Tuesday in August (for National Night Out on August 4) meetings are canceled. Friday, August 7 tentatively scheduled for weed abatement liens Public Hearing (if needed). Tuesday, August 11 for business that otherwise would be done on August 4. Special meeting dates subject to change.

October 23, 2019

Mayor Rich Tran and City Council Memebers
Mary Lavelle, City Clerk
City of Milpitas

City Clerk's Office
OCT 23 2019
RECEIVED

Subject: Extension for Term as Commissioner for
Public Safety Emergency Preparedness Commission (PSEPC)

Dear Mayor Tran, City Council members, and Ms. Lavelle,

It will be my honor to continue serving the City of Milpitas, volunteering in ways toward giving back to our community and families through the Public Safety Emergency Preparedness Commission. I presently serve as Vice Chair of the Commission.

May I request extending my term as an active PSEPC Commissioner?

I am excited to be a part of the Team of Toni-Lynn Charlop, our Office of Emergency Services Coordinator, our City Police Chief Armando Corpuz, Fire Department Chief Brian Sherrard, together with our PSEPC Team Members.

I would like to continue to contribute and improve the operational readiness of our citizens for emergency preparedness and disaster planning, CERT/RACES, and other programs that help with PGE Power Shutdowns.

Thank you Mayor Tran and City Council members.

Sincerely,

Mercedes Albana
Mobile No: 510-468-2347
PSEPC Commissioner
City of Milpitas

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Adopt a City Council Code of Conduct.**
Category:	Consent Calendar-Leadership and Support Services
Meeting Date:	11/5/2019
Staff Contact:	**Steve McHarris, 408-586-3059**
Recommendation:	Adopt a City Council Code of Conduct.

Background:
On August 30, 2019, the City Council attended a workshop to discuss and clarify roles and strengthen effectiveness of the City Council/staff team. The workshop was facilitated by consultants Rod Gould and Christine Butterfield. Councilmembers agreed to schedule a subsequent session to discuss and establish "rules of the road" and define commitments for enhanced Council effectiveness.

A subsequent follow up City Council workshop was held on Friday, October 4, 2019 from 10:00 a.m. – 2:00 p.m. at the Crowne Plaza located at 777 Bellew Drive, facilitated by the same consultants.

The October 4th workshop was attended by Vice Mayor Karina Dominguez and Councilmembers Bob Nuñez, Anthony Phan and Carmen Montano, along with Interim City Manager Steve McHarris and City Attorney Chris Diaz. Mayor Rich Tran was absent due to an unforeseen professional conflict.

The workshop objectives were to establish a Code of Conduct to improve governance practices and performance, and to clarify roles and enhance trust. A Workshop Report (included in the agenda) was prepared summarizing the results of the workshop, and specifically identifying a draft Code of Conduct from the Council discussion notes.

On October 29, 2019, Mayor Rich Tran was briefed on the outcomes of the workshop and the draft Code of Conduct.

Analysis:
The proposed City Council Code of Conduct incorporates Council discussion and outlines commitments by the entire Council.

Code of Conduct
- Be respectful and courteous (words, tone and body language).
- Model civility.
- Avoid surprises.
- Praise publicly and criticize privately.
- Focus on the issue, not the person.
- Refrain from using electronic devices while on the Council dais.
- Share information with all Councilmembers in advance of Council meetings.
- Disclose conflicts of interest and affiliations related to agenda items.
- Separate governing from campaigning.
- The Council speaks with one voice after making policy on issues.

- Respect the line between policy and administration.
- Council will hold one another accountable to comply with this Code of Conduct.

Fiscal Impact:
None

California Environmental Quality Act:
N/A

Recommendation:
Adopt a City Council Code of Conduct.

Attachments:
October 4th City Council Workshop Report

City of Milpitas
City Council Second Workshop
Held October 4, 2019

October 2019

Management Partners

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Workshop Report

The City of Milpitas held a City Council workshop on Friday, October 4, 2019 from 10:00 a.m. – 2:00 p.m. The workshop was held at the Crowne Plaza located at 777 Bellew Drive. The workshop provided an opportunity for the City Council to discuss how to improve their effectiveness. When the City Council met in its first workshop on August 30, 2019, members agreed to schedule a subsequent session to discuss and establish "rules of the road" and define behavior commitments for enhanced Council effectiveness. This report contains a summary of the results of the workshop.

Rod Gould, Senior Partner and Christine Butterfield, Senior Manager with Management Partners facilitated the workshop.

Workshop Overview

Objectives

- Establish a clear set of behavior commitments and rules of conduct to improve governance practices and performance.
- Clarify roles and enhance trust.

Agenda Outline

- Welcome and call to order by the Vice Mayor
- Public comments
- Agenda review

- Discuss and develop Council behavioral commitments and code of conduct
- Develop a process of accountability
- Agreements and commitments for enhanced Council effectiveness
- Wrap up and next steps

Participants

City Council

*(*Mayor Rich Tran was absent due to an unforeseen professional conflict.)*

***Mayor Rich Tran**

Vice Mayor Karina Dominguez

Council Member Carmen Montano

Council Member Bob Nuñez

Council Member Anthony Phan

Executive Management Staff

- Interim City Manager Steve McHarris
- City Attorney Chris Diaz

Workshop Ground Rules

At the start of the workshop, Rod reviewed several ground rules to help the group have a successful workshop.

- Seek consensus
- Listen to understand
- Participate
- Stay focused
- Assume good intent
- Speak up if we need course correction

Bike Rack

Rod explained that items that were brought up but would not receive immediate attention would be added to a "bike rack."

Workshop Preparation

In preparation for the workshop, the facilitators conducted a conference call with executive staff and discussed the workshop approach. Based on the information shared in the meeting, Management Partners prepared an agenda and distributed several materials for the Council to review in advance of the workshop. These materials included:

1. Examples of city council norms (shared in the first workshop), and
2. An October 2019 draft of an article written by Rod Gould and entitled *"Beyond Ethics: Establishing a Code of Conduct"* (planned for publication in an upcoming issue of *Western Cities* magazine.)

Welcome and Opening Comments

The workshop began with opening comments from the Vice Mayor. She welcomed Council members, staff, and the public and invited public comments at the start of the session. She then turned the meeting over to the facilitators.

Councilmembers briefly discussed their approach to the workshop given the Mayor's absence. The group agreed to proceed with the workshop and asked Management Partners to schedule a briefing for the Mayor at a later date to review the results of the workshop to ensure Mayor Tran understood what transpired at this second workshop and be prepared to discuss and approve the code of conduct at an upcoming Council meeting.

Council Behavior Commitments and Code of Conduct

The Council began the workshop by individually reviewing the workshop materials, including the *"Beyond Ethics: Establishing a Code of Conduct"* article and examples of city council norms.

Next, the Council divided into two groups to discuss and develop a list of seven to ten behavioral commitments. Each group considered the following questions:

- What stood out to you in the workshop materials?
- Which examples would improve our efforts to collaborate and govern?
- Are there other behaviors and conduct that are not listed, but should be included?

Council reconvened to share the results of the small group discussions. The information is listed below.

Carmen Montano and Anthony Phan	Karina Dominguez and Bob Nuñez
• Transparency and disclosure • Avoid surprises • Respect • Courtesy (eye contact, body language) • Refrain from using "you" statements and instead use "I" statements	• Respect for proper roles of elected officials • Prepare in advance and make sure minutes of all meetings are available online • Work together as a team to (model) encourage civility in our city • Keep up daily communication with city staff and city manager • Praise in public and criticize in private

Following the discussion, Christine asked Council if they would like to clarify or include additional behaviors to the Milpitas City Council code of conduct that would improve the group's effectiveness.

The Councilmembers discussed the behaviors that they believed should be included in the Milpitas code of conduct. Their ideas and recommendations are listed below.

- Show respect to one another
  - Tone of our voices
  - Body language (refrain from eye rolling, looking at electronic devices, etc.)
  - Social media comments
- Share key information with all Councilmembers prior to meeting and key decision points
  - Share new information with the public
  - Share a legislative calendar with the Council

- Disclose conflicts of interest and affiliations prior to Council decisions (Council and staff)
- Be aware of and separate campaigning from governing
- Provide and distribute presentation materials in advance of Council meetings
- Provide committee minutes and recommendations prior to Council deliberations
- Develop an onboarding process and train new Council members about their role in governing and the code of conduct
- Model civility while remaining authentic
- Verbally review (repeat) Council motions prior to decisions
- Conduct periodic workshops to review Council effectiveness
- Review the charges and work plans (in a standard format) for all advisory boards and commissions
- Review the Council liaison role to the City's commissions
- Establish clear communication protocols between Council and staff
- Identify and respect the line between policy and administration
- Council will speak with one voice after making policy on issues

As discussed at the start of the workshop, the Council agreed to include the draft code of conduct at an upcoming Council meeting for approval and implementation.

Management Partners has prepared a draft of the Milpitas Council Code of Conduct and it is included as Attachment A.

Accountability and Enhanced Council Effectiveness

Rod Gould invited each Councilmember to share how each would operationalize the code of conduct. The summary is listed below.

- Review the norms during every closed session and include them on the Council agenda;
- Be kind (praise in public and criticize in private);
- Have the courage to apologize; and
- Hold one another accountable.

Wrap Up and Next Steps

To conclude the workshop, Rod reminded each participant that Management Partners would prepare a report summarizing the behavioral commitments and rules of conduct and distributed the Management Partners' evaluation form. The summary is included in Attachment B.

The Mayor will be briefed on the outcomes of the workshop, and the draft Code of Conduct will be brought back to the Council either in study session for more discussion or for adoption at a regularly scheduled Council meeting.

Attachment A – Milpitas Code of Conduct and Other Council Expectations

Code of Conduct

- Be respectful and courteous (words, tone and body language).
- Model civility.
- Avoid surprises.
- Praise publicly and criticize privately.
- Focus on the issue, not the person.
- Refrain from using electronic devices while on the Council dais.
- Share information with all Councilmembers in advance of Council meetings.
- Disclose conflicts of interest and affiliations related to agenda items.
- Separate governing from campaigning.
- The Council speaks with one voice after making policy on issues.
- Respect the line between policy and administration.
- Council will hold one another accountable to comply with this Code of Conduct.

Other Council Expectations

- Distribute presentation materials in advance of Council meetings.
- Provide committee minutes and committee recommendations in agenda items.
- Develop an onboarding process and train new Councilmembers about their role in governing and the code of conduct.
- Verbally review (repeat) Council motions prior to decisions.
- Meet periodically in workshops to review Council effectiveness.
- Review the charges and work plans (in a standard format) for all advisory boards and commissions at a future Council meeting (including the liaison's role).
- Establish and document the communication protocols between Council and staff.

Attachment B – Workshop Evaluation

At the end of the workshop participants were asked to complete a workshop evaluation form. The following responses are a compilation of answers from all of the workshop participants.

Overall *usefulness* of the day:

Not Useful ← → **Very Useful**

1 2 3 4 **4.5** 5

Overall *quality* of the workshop:

Poor Quality ← → **High Quality**

1 2 3 4 **4.5** 5

The best thing about the day was...

- It was great!
- Lunch
- Rough norms/goals were established

Thing(s) which could have been better...

- Mayor's presence
- Missing one councilmember

OTHER COMMENTS:

- Meeting feels redundant, not the moderator's fault though. Topics should be more defined next time. Anecdotes from other cities would also be helpful.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	Conduct a Public Hearing and Adopt a Resolution Adopting a Mitigated Negative Declaration and Mitigation Monitoring Reporting Program in compliance with the California Environmental Quality Act, and Approving a General Plan Amendment, Planned Unit Development, Site Development Permit, Vesting Tentative Map, and an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing 15% of units on the site as below-market-rate units, to allow development of a residential subdivision with 36 single-family homes and 10 accessory dwelling units on a 4.88-acre site located at 1005 North Park Victoria Drive; and, Introduce Ordinance No. 38.838 to rezone the subject site from the Single-Family Residential (R1-6) Zoning District to the Single-Family Residential (R1-3) Zoning District
Category:	Public Hearings-Community Development
Meeting Date:	11/5/2019
Staff Contact:	Adrienne Smith, Associate Planner, 408-586-3287
Recommendation:	1) Conduct a public hearing and move to close the hearing following comments. 2) Adopt a Resolution Adopting a Mitigated Negative Declaration and Mitigation Monitoring Program in compliance with the California Environmental Quality Act, and Approving General Plan Amendment (GP18-0001), Planned Unit Development (PD18-0001), Site Development Permit (SD18-0015), Vesting Tentative Map (MT18-0003), and an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing 15% of units on the site as below-market-rate units, to allow development of a residential subdivision with 36 single-family homes and 10 accessory dwelling units on a 4.88-acre site located at 1005 North Park Victoria Drive. 3) Move to waive the first reading beyond the title and introduce Ordinance No. 38.838 to rezone the subject site from the Single-Family Residential (R1-6) Zoning District to the Single-Family Residential (R1-3) Zoning District

Background:

On November 18, 2018, Robson Homes applied for a set of entitlements to allow development of a residential subdivision with 36 two-story, single-family homes, and 10 accessory dwelling units (ADUs), on a 4.88-acre site located at 1005 North Park Victoria Drive in northern Milpitas. The site is currently undeveloped except for one fire-damaged home that has been vacant for many years at the southeast corner of the site on North Park Victoria Avenue.

The application includes the following:

1. General Plan Amendment GP18-0001: To change the land use designation from Single-Family Low Density (SFL) to Single-Family Medium Density (SMD); and
2. Zoning Amendment P-ZA18-0003: To amend the zoning maps to change the property zoning designation from Single-Family Residential (R1-6) to Single-Family Residential (R1-3); and

3. Planned Unit Development P-PD18-0001: To allow for variation from the standard development standards of the Municipal Zoning Code and permit a Planned Unit Development; and
4. Site Development Permit SD18-0015: To allow a 36-unit single family home development, including 10 accessory dwelling units (ADUs) on the 4.88-acre site; and
5. Vesting Tentative Map P-MT18-0003: To establish 36 single-family home lots and to record site easements.

On August 28, 2019, the Planning Commission held a public hearing on the proposed development and unanimously approved (5-0, Commissioners Mandal and Tao abstained) staff's recommendation to adopt a resolution recommending that the City Council approve the above application requests.

Analysis:

General Plan Amendment

The proposed General Plan amendment will change the land use designation of the project site from Single-Family Low Density (SFL) to Single-Family Medium Density (SMD), thereby increasing the density range from 3-5 dwelling units/acre to a density range of 6-15 dwelling units/acre. Aside from the change in density, the project is otherwise consistent with the Guiding Principles and Policies of the General Plan. The General Plan amendment is in the public interest because it will enable infill development to occur on a vacant 4.88-acre lot with 36 single-family residences and 10 ADUs in an area that is already serviced by City infrastructure. The scale and layout of the new subdivision will complement and complete the existing neighborhood, and the proposed project will significantly enhance pedestrian and traffic safety by widening and completing local streets surrounding the site and adding new sidewalks, parking, and landscape strips. The project will also include the demolition of a fire-damaged home that has been vacant and abandoned at the southeast corner of the property for many years. The Planning Commission Staff Report (Attachment C) provides additional detailed analysis of the project's conformance with the General Plan and Climate Action Plan (CAP).

Zoning Amendment

The requested Zoning amendment will amend the zoning map from Single-Family Residential (R1-6) to Single-Family Residential (R1-3). This amendment would reduce the required minimum lot size from 6,000 square feet to 3,000 square feet to accommodate the project's range of lot sizes. Ten of the proposed lots are greater than 5,000 square feet, and the largest lot is 5,787 square feet. Twelve additional lots are greater than 4,000 square feet, and the remaining 14 lots are all greater than 3,500 square feet. Only two of the lots are less than 3,800 square feet.

The proposed zoning amendment would result in a gradual transition in minimum lot sizes between the two neighboring subdivisions. The Fox Hollow subdivision that borders the southern end of the project site is zoned R1-4 and requires a minimum lot size of 4,000 square feet, while the neighboring subdivision to the north and west is zoned R1-6 and requires a minimum lot size of 6,000 square feet. By comparison, the proposed project has an average lot size of approximately 4,415 square feet, and 28 percent of the lots contain more than 5,000 square feet. In addition, the proposed density of 7.8 dwelling units per gross acre conforms with the permitted density of one dwelling unit/lot and 3-15 dwelling units per gross acre, which is the same across all R1 zoning districts. The Planning Commission Staff Report (Attachment C) provides detailed analysis of the project's conformance with the Zoning Ordinance.

Planned Unit Development

Pursuant to MMC Section XI-10-54.07, the applicant has requested a Planned Unit Development (PUD) permit to accommodate reduced setbacks from the minimum standards required by the R1-3 zoning designation. Infill development projects such as this one often present unique site planning challenges and developing the site as a PUD will allow the efficient use of land and provision of suitable private yards and public improvements such as streets, sidewalks and landscape strips. The Planning Commission Staff Report (Attachment C) provides additional information regarding the Planned Unit Development permit for the proposed project.

Site Development Permit

The proposed 36-unit single family home development, including 10 accessory dwelling units (ADUs), would be located on a 4.88-acre site in northern Milpitas in an area consisting primarily of residential and commercial uses. The project site slopes downward from the southeastern corner (approximately 14 to 18 feet) and is currently vacant except for a fire-damaged home that has been an abandoned eyesore at the southeast

of the property (opposite the intersection of North Park Victoria and Country Club Drive) for many years. The existing house will be demolished to accommodate the proposed new development, and the proposed project will include the widening and completion of all streets adjacent to the site, including Creed Street, Ranking Drive, and portions of North Park Victoria Drive.

Pursuant to Milpitas Municipal Code Section XI-10-57.03(F), findings have been made for project consistency with the Milpitas General Plan and Zoning Ordinance. The proposed layout of the site and design of proposed buildings, structures and landscaping are compatible and aesthetically harmonious with adjacent and surrounding development. Specifically, the project's site design is outward-facing and integrates seamlessly with the existing neighborhood. The Spanish/Craftsman-style architectural design visually relates to the surrounding landscape and respects the character of nearby homes and the larger community.

The proposed site plan meets all City requirements regarding setbacks, building heights, parking and vehicle circulation, pedestrian amenities, parks and open space, storm water management, and landscaping. As noted, the project site is located in an urban area served by existing utilities, including water, sanitary sewer, storm drainage, electricity, gas, and telecommunications infrastructure. The Planning Commission Staff Report (Attachment C) provides additional detailed analysis and findings for approval of the Site Development Permit.

Vesting Tentative Map

As set forth in the Resolution, the project's form, content and dedications of the proposed tract map are consistent with the provisions of Milpitas Municipal Code Section XI-1-4 (Tentative Maps).

The design of the project does not conflict with existing public easements for access through or use of the property. This subdivision will require the vacation of a sanitary sewer pipeline and easement along the rear of Lots 1 through 7 along the southern edge of the development, but a new pipeline will be located within the new private street as a replacement. The developer will dedicate new street right-of-way for the widening of Creed Street, Rankin Drive, and North Park Victoria Drive, and Public Service and Utility Easements (PSUEs) will be dedicated along adjacent public street frontages and interior private streets.

Pursuant to Milpitas Municipal Code Section XI-1-20.01, findings have been made for project consistency with the Milpitas General Plan and Zoning Ordinance. Specifically, the Vesting Tentative Map is consistent with the proposed General Plan land use designation of SMD and relevant density range of 6-15 dwelling units/acre. The project site is surrounded by properties designated for single-family residential development, the proposed would have a compatible density of 7.4 dwelling units per acre. The Planning Commission Staff Report (Attachment C) provides additional detailed analysis and findings for approval of the Vesting Tentative Map.

Affordable Housing

Pursuant to MMC Section XII-3.00, all new residential development projects of ten units or more designed and intended for permanent occupancy are required to provide 15 percent of the total number of dwelling units within the development as below-market-rate units, unless approved for an exception as set forth in MMC Section XII-1-4.00. All exceptions require City Council approval.

The applicant is requesting an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing five below-market-rate units within the project. Attachment G outlines the applicant's reasons for why an exception is justified for their project and how they meet the findings associated with exceptions.

Prior to City Council approval to the requested exception, affirmative findings to the following must be made:

1. The exception requested exceeds the minimum affordable requirements; and

   Analysis: In addition to paying the affordable housing in-lieu fee of $33 per square foot, the applicant will provide ten ADUs within the project, and these smaller studio units will be affordable by design. The California Department of Housing and Community Development (HCD) identifies ADUs as a valuable tool in providing affordable housing to couples, small families, friends, young people, and seniors. ADUs can also be a source of income for homeowners, allow flexible living arrangements for families, and provide as much living space as many newly-built apartments and condominiums. ADUs can also allow seniors to age in place as they require more care over time. Staff recommends that the requested exception exceeds the minimum requirements of the City's Affordable Housing Ordinance.

2. The community benefits exceed the project benefits.

   Analysis: The proposed project is the first residential development of its kind in Milpitas to include purpose-built ADUs as part of the overall project design. As discussed in the previous finding, ADUs provide a myriad of benefits to residents, including the provision of incremental housing density while maintaining a residential character and suitability for family life. Overall, the project will demonstrate how a concentrated number of ADUs can be seamlessly integrated and appropriately scaled to a single-family home neighborhood. The project's ADUs will also directly support the goals set by the State of California and City of Milpitas to increase the number of ADUs in local communities. Paired with the potential financial and social community benefits associated with ADUs, staff recommends that the community benefits exceed the project benefits.

Community Outreach

Throughout the course of the application review process, the applicant has endeavored to engage and inform neighboring homeowners and the broader Milpitas community about the proposed project. Beginning in 2016, on at least one occasion, the applicant knocked on the doors of neighbors bordering all sides of the project site and held a drop-in community meeting on August 24, 2016. After initiating their application with the City, approximately 400 households were invited to drop-in community sessions, on May 14, 2019 and June 19, 2019. Subsequent to the August 28, 2019 Planning Commission meeting, the applicant held another drop-in session on September 19, 2019. Thereafter, the applicant has also met with several residents in small groups and one-on-one to address any specific project concerns.

The applicant has made a few minor changes to the project since the August 28, 2019 Planning Commission meeting. The corner lot at Creed Street and Rankin Drive which formerly served exclusively as a bioretention area, is now partially repurposed to include a small "Tot Lot" park including a play structure. Additionally, in response to privacy concerns of two neighbors, window placement on plan types 1A and 2C have been slightly revised. The floor plans of the ADUs have been slightly modified by removing a half bedroom wall to become a true studio layout. Parkland fees have also been adjusted downward by $62,726.20 to account for a proposed ADU population density of 3 persons per unit, instead of 3.75 persons per unit as projected for the 36 single-family homes.

Policy Alternatives:

Alternative 1: Approve the project entitlements but deny the applicant's request for an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing affordable units on the site. Allow the developer to replace two single-family homes on larger lots with two "duet" units to create four affordable units on separate, smaller lots. The applicant will still pay in-lieu fees for the remaining 1.1 units not built on the project site.

Pros: The applicant will be able to move forward and develop a vacant lot into a new residential subdivision with 36 single-family homes. The new development will complete an existing neighborhood and provide sidewalks, landscaping, parks, and other needed amenities in the northeast area of Milpitas. In addition to providing four below-market-rate units on the site, the developer will pay in-lieu fees for deposit into the City's Affordable Housing Fund. The project includes ten studio ADUs that will be affordable by design due to their smaller size. The project conforms to the City's development policies and standards, and as result of the construction of the project, the City will also benefit from higher land valuation and tax revenue.

Cons: The two "duet" units will be out of character with the rest of the neighborhood and may surprise nearby residents who are not aware of this change. The applicant hosted several community meetings to discuss the merits of the project with the neighborhood, and the Planning Commission held a public hearing and recommended approval. If the project requires extensive revisions, the revised project plans will need to be re-analyzed for environmental impacts under the California Environmental Quality Act (CEQA), and the project will need to be re-heard by the Planning Commission and Council. Fewer fees will be deposited into the City's affordable housing fund, and there will be less opportunity to leverage funds with other resources.

Reasons not recommended: The applicant has offered to pay full in-lieu fees for affordable housing in addition to providing 10 affordable-by-design ADUs within the project. Major revisions to the site plan will require an additional public hearing before the Planning Commission and Council, and this in turn will delay the production of much-needed housing in the area. The payment of fees to the City's affordable housing fund will be delayed and reduced.

Alternative 2: Deny the application, including the request for an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing affordable units on the site.

Pros: The proposed site plan could be reconsidered to include the required 15 percent affordable units (5.4 units) at a higher dwelling unit/acre density than is currently proposed.

Cons: Denial of the project would delay development of the site and leave a vacant, unimproved piece of land, with an abandoned, fire-damaged home in place and an incomplete neighborhood. The City would not benefit from the various proposed architectural, landscaping and infrastructure improvements or from higher land valuation and tax revenue.

Reason not recommended: The City could lose an opportunity for not only 36 single-family homes, but ten affordable by design ADUs and an $3.4 million in-lieu fee to benefit the Affordable Housing Fund. The project conforms to the City's development policies and standards and the City Council can make all of the current findings for the requested land use approvals subject to the conditions of approval.

Fiscal Impact:
The project will have a net neutral fiscal impact to the City, as the applicant will pay all assorted development fees to the City. The development fees will include a one-time payment of approximately $3.4 million to the City's Affordable Housing Fund.

California Environmental Quality Act:
On behalf of the City of Milpitas, LSA conducted an Environmental Assessment (EA19-0003) and prepared an Initial Study for the proposed project in compliance with the California Environmental Quality Act (CEQA). Based on the Initial Study, the City concluded that the project would have no significant impacts on the environment and, therefore, prepared a Mitigated Negative Declaration (MND) (Attachments E and F) and a Mitigation Monitoring and Reporting Program (MMRP) for the project (Attachment G).

The Draft IS/MND was available for public review and comment from August 9, 2019 to September 9, 2019. The Milpitas Planning Commission held a public hearing on August 28, 2019, to receive additional comments on the IS/MND. In accordance with Section 15074 of the CEQA Guidelines, prior to approving a project, the City Council shall consider the proposed environmental document together with all comments received during the public review process.

The City received eight comment letters on the Draft IS/MND in addition to verbal comments received at the public hearing. Copies of the comment letters as well as responses to substantive issues raised by the commenters are included in Attachment E. In addition, Attachment E identifies specific changes to the text of the Draft IS/MND that were made to clarify any errors, omissions, or misinterpretation of materials in the Draft IS/MND in response to comments received during the public review period.

Recommendation:

1) Conduct a public hearing and move to close the hearing following comments.

2) Adopt a Resolution Adopting a Mitigated Negative Declaration and Mitigation Monitoring Program in compliance with the California Environmental Quality Act, and Approving General Plan Amendment (GP18-0001), Planned Unit Development (PD18-0001), Site Development Permit (SD18-0015), Vesting Tentative Map (MT18-0003), and an exception to the Affordable Housing Ordinance to allow the payment of fees in lieu of providing 15% of units on the site as below-market-rate units, to allow development of a residential subdivision with 36 single-family homes and 10 accessory dwelling units on a 4.88-acre site located at 1005 North Park Victoria Drive.

3) Move to waive the first reading beyond the title and Introduce Ordinance No. 38.838 to rezone the subject site from the Single-Family Residential (R1-6) Zoning District to the Single-Family Residential (R1-3) Zoning District.

Attachments:

Attachment A: Resolution

Attachment B: Ordinance 38.838 to allow rezoning from R1-6 to R1-3 (for Introduction)

Attachment C: Planning Commission Staff Report (dated August 28, 2019)

Attachment D: Signed Planning Commission Resolution no. 19-026

Attachment E: Note re: Location of Final Initial Study/Mitigated Negative Declaration (Draft IS/MND)

Attachment F: Response to Comments on Draft IS/MND

Attachment G: Mitigation Monitoring and Reporting Program (MMRP)

Attachment H: Project Plans

Attachment I: Robson Letter dated August 19, 2019 re: Exception to the Affordable Housing Ordinance

Attachment J: SV@Home Letter dated October 31, 2019

AGENDA ITEM: IX-3

MILPITAS PLANNING COMMISSION
STAFF REPORT

August 28, 2019

APPLICATION: **ROBSON HOMES SINGLE-FAMILY DEVELOPMENT – 1005 NORTH PARK VICTORIA DRIVE – GP18-0001, ZA18-0003, PD18-0001, SD18-0015, MT18-0003, EA19-0003.** An application for a General Plan Amendment, Zoning Amendment, Planned Unit Development, Site Development Permit, Vesting Tentative Map, and Environmental Assessment to allow development of a residential subdivision with 36 single-family homes and ten accessory dwelling units located at 1005 North Park Victoria Drive.

RECOMMENDATION: **Staff recommends that the Planning Commission open and close the public hearing, consider the Initial Study/Mitigated Negative Declaration in accordance with CEQA, and adopt Resolution 19-026, recommending approval of the above applications to the Milpitas City Council, subject to the Conditions of Approval.**

PROJECT LOCATION:

Addresses and Assessor's Parcel Number (APN): 1005 North Park Victoria Drive (029-04-040)

Area of City: North of Jacklin Road, on the West side of North Park Victoria Drive

PEOPLE:

Project Applicant: Richard Yee, Project Manager
Robson Homes, San Jose CA

Consultant(s): Architect: *Robert Hidey Architects*, San Ramon, CA
Civil Engineer: *Civil Engineering Associates*, San Jose, CA
Landscape Architect: *Design Focus Landscape Architecture & Construction*, Ben Lomand, CA

Property/Business Owner: Cymer Inc., Los Gatos CA

Project Planner: Adrienne Smith, Associate Planner

LAND USE:

General Plan Designation: Single-Family Low Density (SFL)
Zoning District: Single-Family Residential (R1-6)

ENVIRONMENTAL: Initial Study and Mitigated Negative Declaration in accordance with the California Environmental Quality Act (CEQA).

EXECUTIVE SUMMARY

The application includes six entitlement requests to allow the future development of a residential subdivision with 36 single-family homes and ten accessory dwelling units, as follows:

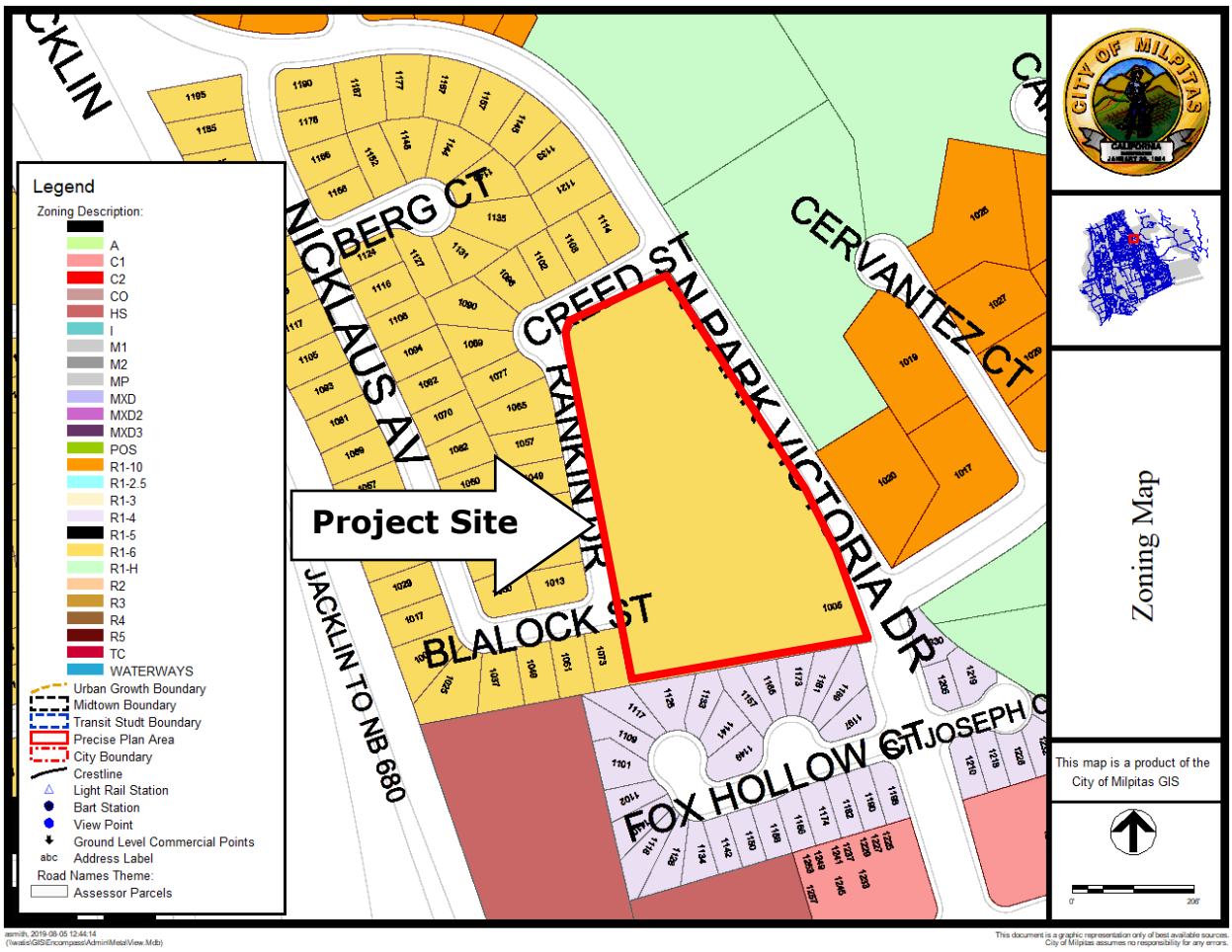
1. General Plan Amendment GP18-0001: To change the land use designation from Single-Family Low Density (SFL) to Single-Family Medium Density (SMD); and
2. Zoning Amendment P-ZA18-0003: To amend the zoning maps to change the property zoning designation from Single-Family Residential (R1-6) to Single-Family Residential (R1-3); and
3. Planned Unit Development P-PD18-0001: To allow for variation from the standard development standards of the Municipal Zoning Code and permit a Planned Unit Development; and
4. Site Development Permit SD18-0015: To allow a 36-unit single family home development, including ten accessory dwelling units on the 4.88-acre site; and
5. Vesting Tentative Map P-MT18-0003: To establish 36 single-family home lots and to record site easements; and
6. Environmental Assessment EA19-0003: To review and assess all requested entitlements for consistency with the California Environment Quality Act (CEQA).

Staff has reviewed the requests outlined above and found them to be in compliance with the policies, standards, and processes outlined in the City of Milpitas General Plan, Zoning Ordinance and Municipal Code. The balance of this report provides specific details regarding each of these requests.

Staff recommends that the Planning Commission open and close the public hearing, consider the Initial Study and Mitigated Negative Declaration, and adopt Resolution No. 19-026, recommending approval of the above applications to the Milpitas City Council, subject to the conditions of approval included in at Exhibit 1 of the above-referenced resolution.

Map 1
Project Location

Map 2
Zoning Map



BACKGROUND

History

On November 18, 2018, Robson Homes submitted an application for the above-referenced General Plan and zoning amendments as well as a Planned Unit Development, Site Development permit, Vesting Tentative Map and an Environmental Assessment to allow development of a residential subdivision with 36-unit single-family homes and ten accessory dwelling units (ADUs).

PROJECT DESCRIPTION

Overview

The project applicant is requesting approval of a General Plan Amendment, Zoning Amendment, Planned Unit Development, Site Development Permit, Vesting Tentative Map, and Environmental Assessment for the future development of a residential subdivision with 36 two-story, single-family homes ranging in floor areas of approximately 2,500-2,900 square feet. All homes will be located on individual lots on an approximately 4.88-acre parcel. Ten of the lots will include ADUs, approximately 485 square feet in size, located above detached two-car garages. The project

includes 24 on-street guest parking spaces and approximately 78,500 square feet of landscaped area. The scope of work includes associated landscaping and open space, parking, circulation, and infrastructure improvements, as well as the demolition of an existing abandoned, single-family home.

Location and Context

The proposed project would be located on an approximately 4.88-gross acre site located in northern Milpitas in an area consisting primarily of residential and commercial uses. The property is currently zoned as Single-Family Residential (R1-6). The project site is bounded by Creed Street to the north, North Park Victoria Drive to the east, residential uses to the south, and Rankin Drive and residential uses to the west.

The project site, which gradually slopes downward from the southeastern corner approximately 14 to 18 feet, is vacant except for an abandoned, fire-damaged single-story house (proposed to be demolished) and associated improvements at the southeast corner. The existing house would be demolished to accommodate the proposed new development. Table 1 below summarizes the project site's land use designation and surrounding uses:

Table 1: Surrounding Zoning and Land Uses

	General Plan	Zoning	Existing Uses
Subject Site	Single-Family Low Density (SFL) *With amendment:* Single-Family Medium Density (SMD)	Single-Family Residential (R1-6) *With amendment*: Single-Family Residential (R1-3)	Residential/Vacant Land
North	Single-Family Low Density (SFL)	Single-Family Residential (R1-6)	Single-Family Residential
South	Single-Family Medium Density (SMD)	Single-Family Residential (R1-4)	Single-Family Residential
East	Hillside/Single-Family Low Density (SFL)	Single-Family Residential –Hillside (R1-H) and Single-Family Residential (R1-10)	Vacant Land/Single-Family Residential
West	Single-Family Low Density (SFL)	Single-Family Residential (R1-6)	Single-Family Residential

Please see above Maps 1 and 2 for additional details.

PROJECT ANALYSIS

General Plan and Zoning Conformance

General Plan Conformance

The current General Plan land use designation for the project site is Single-Family Low Density (SFL), which allows 3-5 housing units per gross acre. The applicant is requesting a General Plan Amendment to Single-Family Medium Density (SMD), which allows 6-15 housing units per gross acre, because the project proposes a density of 7.4 housing units per gross acre, and exceeds the density of the SFL land use designation. The SMD designation states that all housing units are to be individually owned, either on separate lots or as part of a clustered Planned Unit Development. Developments with densities ranging from 7-10 units per acre may be approved only if proposals are found to be consistent with policies and programs of the General Plan and compatible with the surrounding neighborhood.

The General Plan designations of the surrounding properties are Hillside, SFL and SMD. Specifically, the Fox Hollow subdivision that borders the southern end of the project site is designated as SMD. The proposed General Plan amendment would then be a matter of extending an already existing land use designation northward and would result in housing unit density consistency between the two subdivisions.

With the proposed General Plan amendment, the project is in conformance with the following applicable policies and standards in the City's General Plan, as outlined in Table 2 on the following page.

Table 2: General Plan Consistency

Guiding Principal/Policy	Conformance
2.a-G-3 *Provide for a variety of housing types and densities that meet the needs of individuals and families.*	**Consistent.** The project includes both larger single-family homes and smaller ADUs to meet the housing needs of both families and individuals.
2.a I-2 *Promote development within the incorporated limits which acts to fill-in the urban fabric rather than providing costly expansion of urban services into outlying areas.*	**Consistent.** The proposed project is an infill development located on a vacant parcel of land and will not require the further extension of any additional City-provided urban services into outlying areas.
2.a-I-17 *Foster community pride and growth through beautification of existing and future development.*	**Consistent.** The development proposes to beautify a vacant parcel of land by building a new subdivision of homes of quality design and craftsmanship.
2.a-I-119 *Use zoning for new residential developments to encourage a variety and mix in housing types and costs.*	**Consistent.** The project proposes both single-family homes and ten smaller-scaled studio-style accessory dwelling units (ADUs), which provides neighborhood diversity in housing type and cost.
3.d-I-9 *Require developers to make new projects as bicycle and pedestrian "friendly" as feasible, especially through facilitating pedestrian and bicycle movements within sites and between surrounding civic, recreation, education, work, and retail centers.*	**Consistent.** The proposed project includes the construction of new sidewalks on both sides of the new internal private street and a new sidewalk running the eastern, northern and western boundaries of the project site. The project will also retain the existing southbound bike lane on North Park Victoria Drive.
3.d-l-12 *Design streets to include detached sidewalks with planting strips or wider, attached sidewalks with tree-wells to encourage pedestrian use and safety, as well as to remove barriers and increase accessibility.*	**Consistent.** The proposed project includes a new sidewalk running the eastern boundary of the site along North Park Victoria Drive including an outer planting strip for increased pedestrian safety. The project also includes pedestrian connectivity to North Park Victoria Drive via a footpath located at the southeast corner of the site.

Zoning Conformance

The project site is currently zoned Single-Family Residential (R1-6). The purpose and intent of the R1 zone is to stabilize and protect the residential characteristics of the zoning district and to promote and encourage a suitable environment for family life. The applicant seeks a minor zoning map amendment from R1-6 to R1-3 to allow a reduced minimum lot size. Since the minimum lot size for the R1-6 zone is 6,000 square feet and the smallest proposed lot in the project subdivision is 3,500 square feet, the R1-3 lot minimum of 3,000 square feet will accommodate the project's range of lot sizes. The surrounding property zoning designations range from R1-4 to R1-10. Specifically, the Fox Hollow subdivision that borders the southern end of the project site is zoned R1-4, and requires a lot size minimum of 4,000 square feet. In application, the proposed project zoning map amendment would result in a gradual transition in minimum lot sizes between the two subdivisions.

For the purpose of calculating dwelling unit density, only the proposed 36 single-family homes have been counted which amount to a proposed density of 7.4 dwelling units per gross acre. Even though the requested zoning map amendment would change the zoning designation R1-6 to R1-3, the permitted dwelling unit density is the same across all R1 zoning: One dwelling unit/lot and 3-15 dwelling units per gross acre. At a proposed 7.4 dwelling units per acre, the project conforms to the zoning ordinance. The project's adherence to additional development standards is discussed in Table 3.

The proposed zoning maps amendment is referenced in the attached draft Resolution 19-026, however, staff anticipate this amendment will be adopted by ordinance. The ordinance will be substantially the same in substance as that reflected in draft Resolution 19-026, but will be embodied in an ordinance format that will be presented to Milpitas City Council for consideration.

Planned Unit Development

The purpose of the Planned Unit Development (PUD) is to allow diversification and flexibility in the relationships of various buildings, structures, land uses, open spaces and other features associated with large mixed-use development. PUDs encourage flexibility of site planning and land uses to create desirable environments that otherwise may not be achieved under conventional zoning requirements for large developments.

The applicant requests PUD zoning to accommodate reduced setbacks from the minimum standards required by the R1-3 zoning designation. Infill development projects often present unique site planning challenges. Since the project is on an irregular-shaped lot, development of the site as a PUD will allow the efficient use of land and the provision of sufficient private yard space and public improvements such as streets, sidewalks and landscape strips. The requested reduced setbacks do not apply to all lots in all cases, but mainly to those lots irregular in shape due to particular site conditions such as street curvature.

As a project condition of approval, the applicant will provide a detailed description of required minimum setbacks and any other applicable requirements to ensure that over time, the lots and homes adhere to the intent of the development design.

Table 3: Summary of R1-3 Development Standards

Standard (R1-3 (PUD))	Required	Proposed	Complies?
Lot Area Minimum	3,000	3,540 - 5,787 square feet	Y
Lot Width Min	30 feet	40.4 feet – 55 feet	Y
Lot Density (Min/Max)	1 dwelling unit/lot and 3-15 units/gross acre	1 dwelling unit/lot and 7.4 units/gross acre	Y
Front Yard Setback	20 feet	6.8 feet – 15 feet	Y – *with approved PUD*
Side Yard Setback (Interior) Min	One side 5 feet	4 feet – 8.1 feet	Y – all units have at least one side yard setback of 5 feet
Street Side Yard Setback Min	10 feet	6 feet – 15.4 feet	Y – *with approved PUD*
Rear Yard Setback, Min (two stories or greater)	20 feet	12 feet – 25 feet	Y – *with approved PUD*
Lot Coverage	No more than 50% of the front width of the front yard setback may be paved	50% or less	Y

Subdivision Ordinance

The project's form, content and dedications of the proposed tract map are consistent with the provisions in Title XI, Chapter 1, Section 4 of the City's Municipal Code, as set forth in the attached Resolution 19-026. Vesting Tentative Maps require approval of a Resolution by the Planning Commission recommending final approval by the City Council.

Proposed Project Details

The Planning Commission may use the following information in making a recommendation to the City Council:

Parking

The Milpitas Zoning Ordinance requires three off-street parking spaces for a four-bedroom home. As noted in Table 4 below, all of the residences include a two-car garage and one to two private driveway spaces depending on the home. Per State Bill 1069, dedicated parking is not required for accessory dwelling units (ADUs) located within one-half mile of public transit. The project site meets this exemption, as it is located 0.2 miles away from a bus stop at North Park Victoria Drive and Daniel Court.

The project requires guest parking spaces calculated at 20% of the total required 108 parking spaces for the development, which amounts to 22 spaces. The project is proposing 24 on-street guest spaces overall throughout the development, which will be clearly identified by site signage and subject to management by the development's homeowner's association. The project will also include 31 on-street public parking spaces, including seven spaces on Rankin Drive, three spaces on Creed Street and 21 spaces in the area adjacent to the existing southbound bike lane along North Park Victoria Drive.

Traffic and Pedestrian Circulation

The project site is currently undeveloped and no interior vehicular access is available. However, North Park Victoria Drive provides access to the eastern edge of the project site, and Creed Street and Rankin Drive provide access to the northern and western edges, respectively. Access into the proposed development is provided at two points, one of which is located along Rankin Drive and the other at the intersection of Rankin Drive and Blalock Street. A private interior street will provide automobile access to the majority of the residential units, with the exception of three units in the northern portion of the project site that would be accessed from Creed Street, and five units along the western border of the project site accessed from Rankin Drive.

The project proposes sidewalks on both sides of the proposed internal private street and a new sidewalk along North Park Victoria Drive. Homeowners not fronting on North Park Victoria Drive will have safe and easy access to the North Park Victoria Drive sidewalk via a pedestrian gate located at the base of the internal private street at the southeast corner of the development. The on-street parking and associated design features along North Park Victoria Drive will not affect the existing southbound bike lane. This proposed design is consistent with the existing street design on North Park Victoria north of the project site, which also allows for vehicular parking adjacent to the bike lane.

Table 4: Project Compliance with Parking

Standard	Required	Proposed	Complies?
Parking (Single-Family Homes)	3 off-street spaces for each 4 bedroom home and 1 space for each additional bedroom	2 garage spaces and 1-2 driveway spaces	Y
Parking (ADUs)	Exempt according to state law if located with one-half mile of any public transit stop	Exempt – Bus stop located 0.2 miles away at North Park Victoria Drive and Daniel Court	Y
Parking (Guest)	Projects with private garages – 20% of the total required	22 required and 24 provided	Y

Parks and Open Space

All new developments located outside of the Transit Area Specific Plan or Midtown Specific Plan areas must provide 5.0 acres of parkland for every 1,000 persons or payment of fees-in-lieu, as permitted by Article 3, Section 66477 of the Subdivision Map Act and as codified by the City of Milpitas at Milpitas Municipal Code Section XI-1-9 (*Improvements: Dedication of Land or Payment of Fee or Both, for Recreational Purposes*). The subdivision of land involving fifty lots or less, land dedication is not required. The applicant is electing to pay an in-lieu fee.

The parkland requirement is based upon the project's total population density and the estimated value of parkland in the City of Milpitas (currently $2,787,840 per acre). The anticipated population density for this project is 3.75 persons per unit. The project proposes 46 dwelling units (including the accessory dwelling units (ADUs)), resulting in an estimated population of 173 persons. Based on this population estimate, the project is required to provide 0.86 acres of parkland, equivalent to approximately $2,404,512.

Private open space including yards, setbacks and other open acres shall be credited against the parkland requirement up to a maximum of 40%. Since the proposed project includes approximately 59,094 square feet/1.36 acres of private open space in the form of private yards, the applicant is able to max out the 40% credit.

The project intends to meet the remaining parkland requirement through the payment of the parkland in-lieu fee, as outlined in Table 5 below.

Table 5: Summary of Adherence to Parkland Requirements

Project Unit Count	46
Project Population Estimate	172.50
Parkland Requirement	5 acres/1,000 people or equivalent fees-in-lieu. Currently $2,787,840 per acre.
PARKLAND ACREAGE DUE/FEE EQUIVALENT	**0.86 acres/$2,404,512**
Less Private Recreation Acreage Credit (40% Max.)	0.35 acres/$961,804.80
TOTAL ACREAGE/FEES PROVIDED	**0.52 acres/$1,442,707.20**

Landscape & Open Space Design

Each of the residential uses on the project site includes private backyards that are an average of 1,641 square feet. In total, the proposed project provides 59,094 square feet of private open space in the form of private individual yards. Additionally, the proposed project includes a total of 78,624 square feet of landscaped area, including 5,007 square feet across three bioretention areas. Six mature trees currently standing on the property will be removed and a total of 94 trees will be planted. All proposed street tree species adhere to section X-2-3.02 - Approved Street Tree List of the Milpitas Municipal Code. Detailed landscape plans, are shown on Sheets L1.1 through L4.1 of the Project Plans (See Attachment B).

Design and Architecture

The project applicant characterizes the site design and architecture of the project as reflective of the surrounding landscape and is respectful of the character of the existing neighboring homes. Complementary to the scale of the existing neighborhood, the 36 single-family homes are two stories and feature two-car garages. The site design is outward looking, with 18 of the homes fronting onto the existing neighborhood streets of Creed Street, Rankin Drive and North Park Victoria Drive. This orientation maximizes the integration of the new homes into the existing neighborhood and offers an attractive residential street frontage along North Park Victoria Drive. Further, the garages for the ten homes proposed to front onto North Park Victoria Drive are detached and oriented toward the rear of the lots with access from the internal street, thus maintaining safety and minimizing potential vehicular traffic conflicts.

Streetscape - Eastern View from Rankin Drive

The architecture of the homes includes a mixture of Spanish and Craftsman-styles featuring concrete tile roofs and facades in varying earth tone colors. The facades consist of varying combinations of stucco, board and battens, brick veneer and hardie siding. Some homes feature small second level balconies. The applicant offers further diversity in window and door types and materials, exterior light fixtures, window awnings and other architectural elements.

Each home will consist of four bedrooms – one on the ground floor and three on the second floor. The ten accessory dwelling units (ADUs) will be situated above the detached garages and offer studio-style floor plans with a combined bedroom/kitchen/living area and separate bathroom.

Grading

The proposed project will demolish the existing vacant structure and all surface pavements on the project site. The maximum depth of excavation for building pad elevations would be one to two feet from the existing grade and the maximum depth of utility trenching would be approximately 15 feet. It is anticipated that a total of 4,608 cubic yards of soil would be cut and 6,320 cubic yards would be used for fill, and therefore approximately 1,711 cubic yards of fill would be imported to the site.

Utilities

The project site is located in an urban area that is currently served by existing utilities, including water, sanitary sewer, storm drainage, electricity, gas, and telecommunications infrastructure. Existing and proposed utility connections are discussed below.

Water – Water service is provided by the City of Milpitas. The proposed project would include the installation of new water lines on the site that would connect to the existing 8-inch main located within Rankin Drive and Blalock Street.

Wastewater – The San José/Santa Clara Water Pollution Control Plant (WPCP) provides wastewater treatment for Milpitas. The City maintains existing sanitary sewer lines within the vicinity of the site, including an 8-inch line within the existing streets that surround the project site on the north, east, and west sides.

A new 12-inch line will be installed within the private street areas of the north-facing properties along the southernmost private street. The existing 12-inch line that runs along the southern border of the project site will be abandoned and a new 12-inch line installed.

Stormwater – The project proposes approximately 2.68 acres (55 percent) of impervious surfaces and approximately 1.92 acres (45 percent) of pervious surfaces, consisting of landscaped areas with lawns, shrubs, and trees. Additionally, for hydromodification purposes, the proposed project includes 27 underground storage vaults for stormwater runoff under the bioretention areas, each of which holds approximately 915 cubic feet of water. A 15-inch stormwater main would connect the proposed storage vaults to the existing storm drain within Rankin Drive.

Electricity and Gas – The proposed project would include connections to the existing PG&E electricity and gas lines that run adjacent to the project site.

Climate Action Plan

The City of Milpitas adopted a Climate Action Plan (CAP) in 2013 and established Greenhouse Gas (GHG) reduction goals, policies and actions for new and existing development projects. The CAP identifies six main Action Areas with specific GHG reduction Measures, including energy, water, transportation and land use, solid waste, and off-road equipment. The proposed project is consistent with a number of CAP measures, for example, those associated with the Transportation and Land Use Action Area. The project infills an existing vacant lot already served by public transit, City services and commercial services and contributes to the City's Complete Streets goals by constructing new sidewalks throughout the project and providing shading and pedestrian safety via landscape strips. Implementation of the proposed project would not significantly increase population, vehicle trips, or vehicle miles traveled. As such, the project is in conformance with the City's Climate Action Plan.

Development Fees

In addition to the parkland in-lieu fee, the development is subject to the following fees, payable at the time of building permit:

Public Art Fee
The Project will comply with the City's Public Art Requirements for Private Development, as set forth in Milpitas Municipal Code Section XI-10-14. This fee is currently set at one-half of one percent of building development costs. The proposed project will pay the fee based on the construction valuation at the building permit issuance.

Affordable Housing Ordinance
Pursuant to MMC Section XII-1-3.00, all new residential development projects of ten units or more designed and intended for permanent occupancy are required to construct fifteen (15) percent of the total number of dwelling units within the development as affordable units, unless subject to an exception set forth in XI-1-4.00. All exceptions require City Council approval.

The applicant may request exceptions that include payment of fees in-lieu of the provision of affordable units on the site. The applicant has requested to pay the affordable housing fee in-lieu of constructing on-site affordable units. The affordable housing fee is currently set at $33 per square foot. The new net residential living area is estimated at 105,715 square feet, therefore, the estimated in-lieu fee is $3,488,595. This fee is subject to change and will be officially calculated once the net new residential living area space is finalized and the building permit application is approved. The applicant has provided a justification statement (Attachment C) outlining why the project should be granted the exception.

Prior to City Council approval to the requested exception, affirmative findings to the following must be made:

1. *The exception requested exceeds the minimum affordable requirements; and*

   Applicant Justification: The applicant asserts that in paying the $33 per square foot affordable housing in-lieu fee in combination with the project's ten proposed accessory dwelling units (ADUs) which have the potential to be affordable to renters and offer homeowners financial benefits, the applicant is exceeding the minimum affordable requirements.

   Staff Analysis: The applicant is providing the minimum required fee-in-lieu in combination with ten ADUs that have the potential to be affordable by design. While the project's ADUs are not proposed to be deed restricted, thus offering no guarantee of affordability among those units placed on the rental market, there are a myriad of other benefits associated with the project's proposed ADUs. The California Department of Housing and Community Development (HCD) had identified ADUs as a valuable tool in offering a source of income for homeowners, allowing for flexible living arrangements, providing as much living space as many newly-built apartments and condominiums, but well-suited for couples, small families, friends, young people, and seniors and allowing seniors to age in place as they require more care over time.

   The City has identified the potential value ADUs can provide to its residents and City Council recently adopted an amended ADU ordinance to ensure the planning and building permitting processes are more permissive. Therefore, staff agree that the exception requested exceeds the minimum affordable requirements.

2. *The community benefits exceed the project benefits.*

   Applicant Justification: The applicant asserts that the community benefits exceed the project benefits because of the range of possible benefits to the community – both financial and social – that are associated with project's inclusion of the ten ADUs.

   Staff Analysis: The project is providing an overall community benefit to the City in that it is the first residential development of its kind to include purpose-built ADUs as part of the overall project design. As discussed in the previous finding, there are many benefits associated with the provision of ADUs including the provision of incremental housing density while maintaining a residential character and suitability for family life. Overall, the project will demonstrate how a concentrated number of ADUs can be seamlessly integrated and appropriately scaled to a single-family home neighborhood. The project's

ADUs will also directly support the goals of the HCD and the City by increasing the number of ADUs in Milpitas. Paired with the potential financial and social community benefits associated with ADUs, staff agree the community benefits exceed the project benefits.

Based on the applicant's justification statement, the fee exception request meets the findings pursuant to MMC Section XI-1-4.00. Staff recommends the City Council approve the fee exception request. Draft findings are included in the resolution (Attachment A).

If the City Council is able to make affirmative findings for the requested exception, the developer will be allowed to pay an in-lieu fee (currently $33.00 per square foot) rather than designating seven affordable units on the site. The resolution will include a condition of approval to clarify this requirement (see Attachment A).

FINDINGS FOR APPROVAL

A finding is a statement of fact relating to the information that the Planning Commission has considered in making a decision. Findings shall identify the rationale behind the decision to take a certain action.

General Plan Amendment

To approve the General Plan Amendment, the following findings must be made pursuant to Milpitas Municipal Code Section XI-1-57.02:

1. *The proposed amendment is internally consistent with those portions of the General Plan which are not being amended.*

   The requested General Plan amendment will change the land use designation of the project site from Single-Family Low Density (SFL) to Single-Family Medium Density (SMD) thereby increasing the density range from 3-5 dwelling units/acre to a density range of 6-15 dwelling units/acre. Aside from the change in density, the project is otherwise consistent with the Guiding Principles and Policies of the General Plan such as providing infill development of land already serviced by City infrastructure and providing a variety and mix in housing types and costs.

2. *The proposed amendment will not adversely affect the public health, safety, and welfare.*

   The scale and layout of the subdivision will effectively integrate into the existing neighborhood and provide a suitable environment for family life. As designed, the proposed project is sensitive to pedestrian and traffic safety through effective traffic and circulation design. Additionally, the project has been subject to CEQA review through the preparation of an Initial Study (IS) and Mitigated Negative Declaration (MND). The MND has prescribed mitigation measures such as NOI-1 which requires management of equipment noise during construction and AIR-1 which requires the installation of HVAC systems with a control efficiency to remove a minimum level of air particulate that will prevent any public health problems from occurring.

Zoning Maps Amendment
To approve an amendment to the zoning map, the following findings must be made pursuant to Milpitas Municipal Code Section XI-1-57.02:

1. *The proposed amendment is consistent with the General Plan.*

   As discussed above, the proposed amendment is generally consistent with the Milpitas General Plan and the project will be fully consistent if granted an amendment from land use designation SFL to SMD to allow for a slightly increased dwelling unit/acre density. The project is otherwise consistent with the Guiding Principles and Policies of the General Plan such as providing infill development of land already serviced by City infrastructure and providing a variety and mix in housing types and costs.

2. *The proposed amendment will not adversely affect the public health, safety and welfare.*

   The scale and layout of the subdivision will effectively integrate into the existing neighborhood and provide a suitable environment for family life. As designed, the proposed project is sensitive to pedestrian and traffic safety through effective traffic and circulation design. Additionally, the project has been subject to CEQA review through the preparation of an Initial Study (IS) and Mitigated Negative Declaration (MND). The MND has prescribed mitigation measures such as NOI-1 which requires management of equipment noise during construction and AIR-1 which requires the installation of HVAC systems with a control efficiency to remove a minimum level of air particulate that will prevent any public health problems from occurring.

Planned Unit Development
To approve a Planned Unit Development the following findings must be made pursuant to Milpitas Municipal Code Section XI-1-57.07:

1. *Development of the site under the provisions of the Planned Unit Development will result in public benefit not otherwise attainable by application of the regulations of general zoning districts.*

   Overall, the project offers 36 market rate, single-family homes and ten purpose-built accessory dwelling units (ADUs) with various associated social and financial benefits to the public. The project will also be a demonstration of how ADUs can be integrated into a neighborhood of single-family market rate homes. Further, the project will be efficiently sited in a way that is respectful to the character of the existing neighborhood and will incorporate a vacant lot and complete the neighborhood.

2. *The proposed Planned Unit Development is consistent with the Milpitas General Plan.*

   The proposed PUD is generally consistent with the Milpitas General Plan and the project will be fully consistent if granted the requested land use designation amendment from SFL to SMD. The project is otherwise consistent with the Guiding Principles and Policies of the General Plan such as providing infill development of land already serviced by City infrastructure and providing a variety and mix in housing types and costs.

3. *The proposed development will be in harmony with the character of the surrounding neighborhood and will have no adverse effects upon the adjacent or surrounding development, such as shadows, view obstruction, or loss of privacy that are not mitigated to acceptable levels.*

   The project's site layout seeks to effectively integrate into the existing neighborhood by offering two-story home heights and mirroring the existing home orientations along Creed Street and Rankin Drive. Further, the Spanish/Craftsman-style architectural design visually relates to the surrounding landscape and respects the character of the existing neighboring homes. The project as built will further strengthen the identity of the existing neighborhood and achieve compatibility and aesthetic harmony with the nearby hillside landscape.

Vesting Tentative Map

To approve the Major Vesting Tentative Subdivision Map, the following findings must be made pursuant to Milpitas Municipal Code Section XI-1-20.01:

1. *The tentative subdivision map is consistent with the General Plan.*

   The project applicant is requesting a General Plan Amendment from SFL to SMD. The intent of this designation is to provide medium-density, single-family housing at a density range of 6-15 dwelling units/acre. As this project proposes 7.4 dwelling units/acre, if granted the General Plan amendment, it is consistent with both the intended land use of the General Plan and the relevant density requirement.

2. *None of the conditions identified in California Government Code Section 66474 exist, to wit:*

   A. *That the proposed map is not consistent with applicable general and specific plans as specified in Government Code Section 65451.*
      As set forth in Finding 1 above, the map proposes the development of the site into 36 single-family homes and ten accessory dwelling units (ADUs) at a density of 7.4 dwelling units/acre. If granted the General Plan amendment, the proposed map is consistent with the intended SMD land use of the General Plan and the relevant density requirement. The project site does not fall within a specific plan area.

   B. *That the design or improvement of the proposed subdivision is not consistent with applicable general and specific plans.*
      The design and improvement of the subdivision is consistent with the density range of 6-15 dwelling units per acre as permitted by the General Plan amendment from SFL to SMD. The proposed density is 7.4 dwelling units per acre. The project site does not fall within a specific plan area.

   C. *That the site is not physically suitable for the type of development.*
      The site is surrounded by properties designated for single-family and hillside residential development under the City's General Plan. The project's proposed

single-family homes are well-suited to the site and surrounding neighborhood context.

D. *That the site is not physically suitable for the proposed density of development.*
If granted the General Plan amendment from SFL to SMD, the site is physically suitable for development at the proposed density of 7.4 dwelling units per acre. The site gradually slopes from the southeast corner of the lot and as planned will be directly connected to the existing adjacent streets (Creed Street, Rankin Drive and South Park Victoria Drive).

E. That the design of the subdivision or the proposed improvements are likely to cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat.
The project, including the subdivision and its associated improvements, has been subject to environmental review under CEQA through the preparation of an Initial Study/Mitigated Negative Declaration (IS/MND). On the basis of the initial study, it has been determined that although the project could have a significant effect on the environment, the prescribed mitigation measures of the MND will prevent any significant environmental effects from occurring. Additionally, the proposed project is an infill development in an existing urban area and is not anticipated to cause damage to the habitats of fish or wildlife.

F. *That the design of the subdivision or type of improvements is likely to cause serious public health problems.*
The project, including the subdivision and its associated improvements, has been subject to CEQA review through the preparation of an IS/MND. The MND did not find that the project would be likely to cause serious public health problems and further, the prescribed mitigation measures of the MND will prevent any significant environmental effects from occurring.

G. That the design of the subdivision or the type of improvements will conflict with easements, acquired by the public at large, for access through or use of, property within the proposed subdivision.
Upon review of the subdivision map, it has been determined that the design of the subdivision will not conflict with existing public easements for access through or use of the property. This subdivision does propose the vacation of a sanitary sewer pipeline and easement along the rear of Lots 1 through 7 along the southern edge of the development, but a new pipeline located within the new private street will be provided to replace it. Street right-of-way for the widening of the adjacent three public streets will be dedicated, and Public Service and Utility Easements (PSUEs) will be dedicated along the adjacent public street frontages and interior private streets.

Site Development Permit
To approve the Site Development Permit, the following findings must be made pursuant to Milpitas Municipal Code Section XI-10-57.03(F):

1. *The layout of the site and design of the proposed buildings, structures and landscaping are compatible and aesthetically harmonious with adjacent and surrounding development.*

   The project's site design is outward looking and seeks to effectively integrate into the existing neighborhood. The project consists of 36 single-family homes and ten accessory dwelling units (ADUs) and associated site amenities on a 4.88-acre site. The building's Spanish/Craftsman-style architectural design visually relates to the surrounding landscape and respects the character of the existing neighboring homes. The project as built will further strengthen the identity of the existing neighborhood and achieve compatibility and aesthetic harmony with the nearby hillside landscape.

2. *The project is consistent with the Milpitas Zoning Ordinance.*

   The project is generally consistent with the development standards pursuant to the Single Family Residential (R1) Zone of the Milpitas Zoning Ordinance and will be fully consistent if granted approval of the Zoning Maps Amendment to adjust the property from R1-6 to R1-3 and if granted the alternative setbacks proposed in the request for the Planned Unit Development (PUD). See the Zoning Maps Amendment and PUD discussions above for further detail.

3. *The project is consistent with the Milpitas General Plan.*

   See General Plan consistency discussion set out above in support of issuing the General Plan Amendment and the Vesting Tentative Map.

ENVIRONMENTAL REVIEW

An environmental assessment (EA19-0003) for this project was conducted by environmental consultant LSA, on behalf of the City, in accordance with the California Environmental Quality Act of 1970 (CEQA), as amended, and with state and local guidelines implementing CEQA. On the basis of the Initial Study (IS), LSA has concluded that the project will not have a significant effect on the environment and, therefore, has prepared a Mitigated Negative Declaration (MND).

On August 9, 2019, the City provided a notice of intent to adopt an MND to the public, responsible agencies, trustee agencies and the County Clerk. The IS/MND is available for public review from 08/09/2019 through 09/09/2019.

Note: A typo was made in the IS/MND draft indicating that the project applicant sought to amend the zoning maps from a zoning classification of Single-Family Residential (R1-6) to Multi-Family Residential (R2). The zoning maps amendment request is in fact for a zoning reclassification from Single-Family Residential R1-6 to Single-Family Residential (R1-3) as is detailed in the zoning conformance discussion of this staff report. Further, the IS/MND draft notes a total of 78 trees proposed to be planted at the project site. The correct number of trees is 94.

PUBLIC COMMENT/OUTREACH

The applicant lead community outreach sessions on various occasions starting in 2016. Approximately 400 households were invited to drop-in community sessions held on August 24, 2016, May 14, 2019 and June 19, 2019. On at least one occasion in 2016, the applicant also knocked on the doors of neighbors bordering all sides of the project site.

Staff provided public notice of the application in accordance with City and State public noticing requirements. A notice was published in the Milpitas Post on August 16, 2019. In addition, notices were sent to all owners and occupants within 1000 feet of the project site. A public notice was also posted at the project site, on the City's Website, www.ci.milpitas.ca.gov, and at City Hall. At the time of publishing this report, there has been one public comment received from a resident expressing concern about the possible increase in project-generated traffic along North Park Victoria Drive.

RECOMMENDATION

Staff recommends that the Planning Commission:

1. Open the Public Hearing to receive comments;
2. Close the Public Hearing;
3. Consider the Initial Study and Mitigated Negative Declaration in accordance with CEQA Guidelines, as stated; and
   Adopt Resolution 19-026 recommending that the Milpitas City Council approve the **GENERAL PLAN AMENDMENT GP18-0001, ZONING AMENDMENT ZA18-0003 (TO BE ADOPTED BY ORDINANCE PRESENTED TO THE MILPITAS CITY COUNCIL), PLANNED UNIT DEVELOPMENT PD18-0001, SITE DEVELOPMENT PERMIT SD18-0015, VESTING TENTATIVE MAP MT18-0003, AND ENVIRONMENT ASSESSMENT EA19-0003 TO ALLOW A 36-UNIT SINGLE FAMILY HOME DEVELOPMENT, INCLUDING TEN ACCESSORY DWELLING UNITS** A**T 1005 NORTH PARK VICTORIA DRIVE**

ATTACHMENTS

A: Resolution 19-026
B: Project Plans
C: Affordable Housing Exception Request

RESOLUTION NO. 19-026

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF MILPITAS RECOMMENDING TO THE CITY COUNCIL APPROVAL OF GENERAL PLAN AMENDMENT GP18-0001, ZONING AMENDMENT ZA18-0003, PLANNED UNIT DEVELOPMENT PD18-0001, SITE DEVELOPMENT PERMIT SD18-0015, VESTING TENTATIVE MAP MT18-0003, and ENVIRONMENTAL ASSESSMENT EA19-0003 TO ALLOW DEVELOPMENT OF A RESIDENTIAL SUBDIVISION WITH 36 SINGLE-FAMILY HOMES AND TEN ACCESSORY DWELLING UNITS ON A 4.88 ACRE SITE LOCATED AT 1005 NORTH PARK VICTORIA DRIVE AND CEQA FINDINGS PURSUANT TO CEQA GUIDELINES SECTION 15070 *et seq.*

WHEREAS, pursuant to the California Environmental Quality Act (Public Resources Code, § 21000 et seq.), the State CEQA Guidelines (California Code of Regulations, title 14, § 15000 et seq.) (collectively, "CEQA"), the City of Milpitas is the lead agency for the proposed project described below; and

WHEREAS, on November 18, 2018, Robson Homes (the "Applicant") submitted an application to the City of Milpitas for the approvals necessary to allow development of a residential subdivision with 36 single-family homes and ten accessory dwelling units located at 1005 North Park Victoria Drive. The project (the "Project") thus consists of and requires:

a. General Plan Amendment GP18-0001: To change the land use designation from Single-Family Low Density (SFL) to Single-Family Medium Density (SMD); and

b. Zoning Amendment P-ZA18-0003: To amend the zoning maps to change the property zoning designation from Single-Family Residential (R1-6) to Single-Family Residential (R1-3); and

c. Planned Unit Development P-PD18-0001: To allow for variation from the standard development standards of the Municipal Zoning Code and permit a Planned Unit Development; and

d. Site Development Permit SD18-0015: To allow a 36-unit single family home development, including ten accessory dwelling units on the 4.88-acre site; and

e. Vesting Tentative Map P-MT18-0003: To establish 36 single-family home lots and to record site easements; and

f. Environmental Assessment EA19-0003: To review and assess all requested entitlements for consistency with the California Environment Quality Act (CEQA).

WHEREAS, the Planning Division completed an environmental assessment for the project, and, based on which assessment, decided to prepare an Initial Study and Mitigated Negative Declaration (IS/MND) in accordance with the California Environmental Quality Act (CEQA), including, without limitation, CEQA Guidelines sections 15070 et seq.. On August 9, 2019 the City provided a notice of intent to adopt a mitigated negative declaration to the public, responsible agencies, trustee agencies and the county clerk. The IS/MND is available for public review from 08/09/2019 through 09/09/2019 and is available for public review and inspection at City of Milpitas, 455 East Calaveras Boulevard, Milpitas, California; and

WHEREAS, the IS/MND reflects the independent judgment and analysis of the City, as lead agency under CEQA and, based upon the information contained in the IS/MND, pending any comments received thereon, and the whole record before the City, there is not a fair argument nor substantial evidence that the Project, together with Conditions of Approval, including without limitation, mitigation measures

3. Having likewise reviewed and considered the documents attached hereto and incorporated herein as **Exhibit A**, and having adopted the findings set forth therein as its own, the Planning Commission recommends the City Council approve and adopt **Exhibit A**, subject to any minor technical or clerical revisions that may be necessary or appropriate.

PASSED AND ADOPTED at a regular meeting of the Planning Commission of the City of Milpitas on August 28, 2019:

Chair

TO WIT:

I HEREBY CERTIFY that the following resolution was duly adopted at a regular meeting of the Planning Commission of the City of Milpitas on August 28, 2019 and carried by the following roll call vote:

COMMISSIONER	AYES	NOES	ABSENT	ABSTAIN
Ricky Ablaza	X			
Tim Alcorn	X			
Evelyn Chua	X			
Bill Chuan	X			
Sudhir Mandal				X
Demetress Morris	X			
Steve Tao				X

with approval authority over the application shall be in the form of a recommendation to the City Council; and

WHEREAS, on August 28, 2019, the Planning Commission held a duly-noticed public hearing, during which meeting the Planning Commission considered General Plan Amendment No. GP18-0001, Zoning Amendment No. ZA18-0003, Planned Unit Development No. PD18-0001, Site Development Permit No. SD18-0015, Vesting Tentative Map No. MT18-0003, and Environmental Assessment No. EA19-0003 for 1005 North Park Victoria Drive heard a presentation from staff, and had the opportunity hear from members of the public; and

WHEREAS, by adoption of Resolution No. 19-026, the Planning Commission recommended the City Council approve General Plan Amendment No. GP18-0001, Zoning Amendment No. ZA18-0003, Planned Unit Development No. PD18-0001, Site Development Permit No. SD18-0015, Vesting Tentative Map No. MT18-0003, And Environmental Assessment No. EA19-0003; and

WHEREAS, the documents and other materials which constitute the record of proceedings upon which the City Council bases the findings contained within this Resolution are available and may be reviewed at Milpitas City Hall, located at 455 E. Calaveras Boulevard, Milpitas, California 95035; and

WHEREAS, on _____, 2019, the City Council held a duly-noticed public hearing, during which meeting the City Council considered the Environmental Assessment No. EA19-0003, as well as General Plan Amendment No. GP18-0001, Zoning Amendment No. ZA18-0003, Planned Unit Development No. PD18-0001, Site Development Permit No. SD18-0015, Vesting Tentative Map No. MT18-0003 for 1005 North Park Victoria Drive, heard a presentation from staff, and had the opportunity hear from members of the public; and

WHEREAS, the findings and conclusions made by the City Council pursuant to this Resolution are based upon the oral and written evidence before it as a whole; and

WHEREAS, all other legal prerequisites to the adoption of this Resolution have occurred.

NOW, THEREFORE, the City Council of the City of Milpitas hereby finds, determines, and resolves as follows:

SECTION 1.Recitals

The City Council has considered the full record before it, which may include, but is not limited to such things as the staff report, testimony by staff and the public, and other materials and evidence submitted or provided to it. Furthermore, the recitals set forth above are found to be true and correct and incorporated herein by reference.

SECTION 2.California Environmental Quality Act Findings

An Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared to conform to the requirements of the California Environmental Quality Act (CEQA), the CEQA Guidelines (Title 14, California Code of Regulations §15000 et seq.) and the regulations and polices of the City of Milpitas. The purpose of this IS/MND is, among other things, to provide objective information regarding the environmental consequences of the proposed project to the decision makers and the public and to identify measures to substantially lessen or avoid significant adverse environmental effects of the project. The IS/MND is available for public review from 08/09/2019 through 09/09/2019. Also in conformance with CEQA, the City has prepared a Mitigation Monitoring and Reporting Program for reporting or monitoring

Mitigated Negative Declaration (MND). The MND has prescribed mitigation measures such as NOI-1 which requires management of equipment noise during construction and AIR-1 which requires the installation of HVAC systems with a control efficiency to remove a minimum level of air particulate that will prevent any public health problems from occurring.

SECTION 5.Planned Unit Development Findings (XI-1-57.07)

The City Council makes the following findings based on the evidence in the public record in support of Planned Unit Development No. PD18-0001:

A. *Development of the site under the provisions of the Planned Unit Development will result in public benefit not otherwise attainable by application of the regulations of general zoning districts.*

Overall, the project offers 36 market rate, single-family homes and ten purpose-built accessory dwelling units (ADUs) with various associated social and financial benefits to the public. The project will also be a demonstration of how ADUs can be integrated into a neighborhood of single-family market rate homes. Further, the project will be efficiently sited in a way that is respectful to the character of the existing neighborhood and will incorporate a vacant lot and complete the neighborhood.

B. *The proposed Planned Unit Development is consistent with the Milpitas General Plan.*

The proposed PUD is generally consistent with the Milpitas General Plan and the project will be fully consistent if granted the requested land use designation amendment from SFL to SMD. The project is otherwise consistent with the Guiding Principles and Policies of the General Plan such as providing infill development of land already serviced by City infrastructure and providing a variety and mix in housing types and costs.

C. *The proposed development will be in harmony with the character of the surrounding neighborhood and will have no adverse effects upon the adjacent or surrounding development, such as shadows, view obstruction, or loss of privacy that are not mitigated to acceptable levels.*

The project's site layout seeks to effectively integrate into the existing neighborhood by offering two-story home heights and mirroring the existing home orientations along Creed Street and Rankin Drive. Further, the Spanish/Craftsman-style architectural design visually relates to the surrounding landscape and respects the character of the existing neighboring homes. The project as built will further strengthen the identity of the existing neighborhood and achieve compatibility and aesthetic harmony with the nearby hillside landscape.

SECTION 6.Site Development Permit Findings (Section XI-10-57.03(F)(1))

The City Council makes the following findings based on the evidence in the public record in support of Site Development Permit No. SD18-0015:

A. *The layout of the site and design of the proposed buildings, structures and landscaping are compatible and aesthetically harmonious with adjacent and surrounding development.*

C. *The Project is consistent with the Milpitas General Plan.*

The project is generally consistent with the development standards pursuant to the Single Family Low Density (SFL) Zone of the Milpitas Zoning Ordinance and will be fully consistent if granted approval of a General Plan Amendment to Single-Family Medium Density (SMD). See General Plan consistency discussion set out above in support of issuing the General Plan Amendment and the Vesting Tentative Map.

SECTION 7.Vesting Tentative Map Findings (Section XI-1-20.01)

The City Council makes the following findings based on the evidence in the administrative record in support of Vesting Tentative Map No. MT18-0003:

D. *The tentative subdivision map is consistent with the General Plan.*

The project applicant is requesting a General Plan Amendment from SFL to SMD. The intent of this designation is to provide medium-density, single-family housing at a density range of 6-15 dwelling units/acre. As this project proposes 7.4 dwelling units/acre, if granted the General Plan amendment, it is consistent with both the intended land use of the General Plan and the relevant density requirement.

E. *None of the conditions identified in California Government Code Section 66474 exist, to wit:*

1. *That the proposed map is not consistent with applicable general and specific plans as specified in Government Code Section 65451.*

   As set forth in Finding 1 above, the map proposes the development of the site into 36 single-family homes and ten accessory dwelling units (ADUs) at a density of 7.4 dwelling units/acre. If granted the General Plan amendment, the proposed map is consistent with the intended SMD land use of the General Plan and the relevant density requirement. The project site does not fall within a specific plan area.

2. *That the design or improvement of the proposed subdivision is not consistent with applicable general and specific plans.*

   The design and improvement of the subdivision is consistent with the density range of 6-15 dwelling units per acre as permitted by the General Plan amendment from SFL to SMD. The proposed density is 7.4 dwelling units per acre. The project site does not fall within a specific plan area.

3. *That the site is not physically suitable for the type of development.*

   The site is surrounded by properties designated for single-family and hillside residential development under the City's General Plan. The project's proposed single-family homes are well-suited to the site and surrounding neighborhood context.

4. *That the site is not physically suitable for the proposed density of development.*

   If granted the General Plan amendment from SFL to SMD, the site is physically suitable for development at the proposed density of 7.4 dwelling units per acre. The site gradually

market, there are a myriad of other benefits associated with the project's proposed ADUs. The California Department of Housing and Community Development (HCD) had identified ADUs as a valuable tool in offering a source of income for homeowners, allowing for flexible living arrangements, providing as much living space as many newly-built apartments and condominiums, but well-suited for couples, small families, friends, young people, and seniors and allowing seniors to age in place as they require more care over time.

The City has identified the potential value ADUs can provide to its residents and City Council recently adopted an amended ADU ordinance to ensure the planning and building permitting processes are more permissive. Therefore, staff agree that the exception requested exceeds the minimum affordable requirements.

B. The community benefits exceed the project benefits.

The project is providing an overall community benefit to the City in that it is the first residential development of its kind to include purpose-built ADUs as part of the overall project design. As discussed in the previous finding, there are many benefits associated with the provision of ADUs including the provision of incremental housing density while maintaining a residential character and suitability for family life. Overall, the project will demonstrate how a concentrated number of ADUs can be seamlessly integrated and appropriately scaled to a single-family home neighborhood. The project's ADUs will also directly support the goals of the HCD and the City by increasing the number of ADUs in Milpitas. Paired with the potential financial and social community benefits associated with ADUs, staff agree the community benefits exceed the project benefits.

SECTION 9.Severability

If any section, subsection, sentence, clause, phrase, or portion of this Resolution is for any reason held incorrect, invalid, illegal, or unenforceable, such decision shall not affect the validity of the remaining portions of this Resolution. The City Council hereby declares that it would have passed each section, subsection, phrase, or clause thereof irrespective of the fact that any one or more sections, subsections, phrases or clauses be declared incorrect, invalid, illegal, or unenforceable.

SECTION 10.City Council Approval

The City Council hereby approves General Plan Amendment No. GP18-0001, Zoning Amendment No. ZA18-0003, Planned Unit Development No. PD18-0001, Site Development Permit No. SD18-0015, Vesting Tentative Map No. MT18-0003, And Environmental Assessment No. EA19-0003 (subject to the Conditions of Approval attached hereto and incorporated herein as **Exhibit 1**), based on the above findings.

PASSED AND ADOPTED this _____ day of_____ 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST: APPROVED:

EXHIBIT '1'

CONDITIONS OF APPROVAL
1005 NORTH PARK VICTORIA DRIVE ROBSON HOMES
SINGLE-FAMILY DEVELOPMENT

GENERAL PLAN AMENDMENT NO. GP18-0001
ZONING AMENDMENT NO. ZA18-0003
PLANNED UNIT DEVELOPMENT NO. PD18-0001
SITE DEVELOPMENT PERMIT NO. SD18-0015
VESTING TENTATIVE MAP NO. MT18-0003
ENVIRONMENTAL ASSESSMENT NO. EA19-0003

GENERAL CONDITIONS

1. General Compliance: The Permittee and owner, including all successors in interest (collectively "Permittee") shall comply with each and every condition set forth in this Permit. **GENERAL PLAN AMENDMENT GP18-0001, ZONING AMENDMENT ZA18-0003, PLANNED UNIT DEVELOPMENT PD18-0001, SITE DEVELOPMENT PERMIT SD18-0015, VESTING TENTATIVE MAP MT18-0003, and ENVIRONMENTAL ASSESSMENT EA19-0003** (collectively "Permit") shall have no force or effect and no building permit shall be issued unless and until all things required by the below-enumerated precedent conditions have been performed or caused to be performed. The Permittee shall develop the site in accordance with the approved Attachments and as modified by these Conditions of Approval.

2. Effective Date: Unless there is a timely appeal filed in accordance with the Milpitas Zoning Code, the date of approval of this Permit is the date on which the City Council approved this Permit.

3. Acceptance of Permit: Should Permittee fail to file a timely appeal within twelve (12) calendar days of the date of approval of this Permit, inaction by Permittee shall be deemed to constitute each of the following:
    a. Acceptance of this Permit by Permittee; and
    b. Agreement by the Permittee to be bound by, comply with, and to do all things required of or by Permittee pursuant to all of the terms, obligations, and conditions of this Permit.

4. Permit Expiration: Pursuant to Section XI-10-64-06 of the Milpitas Municipal Code, this Permit shall become null and void if the activity permitted by this Permit is not commenced within two (2) years from the date of approval, or for a project submitted with a tentative map, within the time limits of the approved tentative map. Pursuant to Section XI-10-64.06(B) of the Milpitas Municipal Code, an activity permitted by this Permit shall be deemed to have commenced when the Project:
    a. Completes a foundation associated with the Project; or
    b. Dedicates any land or easement as required from the zoning action; or
    c. Complies with all legal requirements necessary to commence the use, or obtains an occupancy permit, whichever is sooner.

5. Time Extension: Pursuant to Section XI-10-64.07 of the Milpitas Municipal Code, unless otherwise provided by State law, Permittee shall have the right to request a one-time extension of the Permit if the request is made in writing to the Planning Division prior to the expiration date of the approval. **(P)**

13. Revocation, Suspension, Modification: This Permit may be suspended, revoked or modified in accordance with Section XI-10-63.06 of the Milpitas Municipal Code.

14. Severability: If any term, provision, or condition of this Permit is held to be illegal or unenforceable by the Court, such term, provision or condition shall be severed and shall be inoperative, and the remainder of this Permit shall remain operative, binding and fully enforceable.

15. Response to Conditions of Approval: Permittee shall provide a written response to comments upon submittal for building permit application. The responses should clearly indicate how each condition of approval has been addressed in the plans and shall note the appropriate plan sheet. **(P)**

16. Compliance with Fire Department and California Fire Code: The project shall comply with the requirements of the Milpitas Fire Department and the California Fire Code, as adopted by the City. Changes to the site plan and/or buildings requires review and approval by the Fire Department. **(F)**

17. Development in Conformance with Approved Plans: Permittee shall develop the approved Project in conformance with the plans dated July 10, 2019 and approved by the City Council on , 2019, in accordance with these Conditions of Approval. Any deviation from the approved site plan, elevations, materials, colors, landscape plan or other approved submittal shall require that, prior to the issuance of building permits, the Permittee shall submit modified plans and any other applicable materials as required by the City for review, and obtain the approval of the Planning Director or Designee. If the Planning Director or designee determines that the deviation is significant, the owner or designee shall be required to apply for review and obtain approval of the Planning Commission or City Council, as applicable, in accordance with the Milpitas Zoning Code. **(P)**

PLANNING CONDITIONS

18. Landscape: All approved landscaping shall be permanently maintained and replaced with substantially similar plant material as necessary to provide a permanent, attractive and effective appearance. All street tree species must adhere to Milpitas Municipal Code Section X-2-3.02 - Approved Street Tree List.

19. Architecture: Permittee shall submit updated Project Architecture depicted on the Building Elevations sheets to the Planning Division, and obtain approval from the Planning Director or Designee prior to Building Permit submittal. Any deviations from approved Project Architecture shall be approved at the sole discretion of the Director of Planning or his/her approved designee

20. Street Lights: Permittee shall provide street lighting along all street frontages subject to the review and approval of the Planning Division. Permittee shall likewise install pedestrian scale lights along all public and private street frontages. The Permittee shall submit a photometric plan to determine appropriate light levels with submittal of on-site improvement plans.

21. Parking: Parking shall be provided as depicted on the Site Plan approved by the City Council and shall consist of the following:
    a. RESIDENT: A minimum of three off-street parking spaces must be provided for each four-bedroom single-family home.
    b. GUEST: A minimum of 22 guest spaces are to be provided along the internal private street.

22. Public Art Requirement: Permittee shall comply with the City's Public Art Requirements for Private Development, as set forth in Milpitas Municipal Code Section XI-10-14. Fee shall be no less than one-

geotechnical engineer must prepare a seismic hazard report which must be reviewed and approved by the City and filed with the State Geologist. The project improvements and building construction shall conform to the recommendations of the seismic hazard report. City consultant peer review of project geotechnical report to the satisfaction of the City Engineer is required prior to building permit issuance.

31. Submit to, and obtain approval from the Land Development Engineering Section the following:
    a. Preliminary Grading Plan refinement to account for new retaining walls - Note that retaining wall foundations shall not encroach within the City easements or street right-of-way.
    b. Preliminary Grading Plan refinements to account for overland flow drainage releases, including high storm runoff flows (e.g., Q(100))
    c. Preliminary Utility Plan refinements to confirm required utility crossing clearances
    d. Clarify the Stormwater Treatment Plan & Details to account for the high groundwater table elevation, and public storm system HGL
    e. The stormwater storage vaults shall be designed to support all imposed loads, including but not limited to loading from the adjacent roadway, retaining walls and buildings. Note that modification to the Lot B or Lot C boundary geometry possibly necessitated by the need for use of an alternate vault system may require going back to Council to modify the VTM approval, and additional conditions may apply.

PRIOR TO FINAL MAP APPROVAL/RECORDATION

The following conditions shall be addressed during the final map plan check process and shall be met ***prior to*** *any final approval/recordation (except demolition permit and rough grade permit), unless otherwise approved by the Director of Engineering/City Engineer.* ***(E)***

32. Dedication on the Final Map: Permittee shall dedicate necessary emergency vehicle access easements, public service utility easements, street easements, and all other public easements deemed necessary for the project.

33. Abandonment/Quitclaim Easements: Permittee shall abandon/quit claim existing easements that are in conflict with or unnecessary for the project.

34. Relinquish Abutter's Rights: Permittee shall relinquish abutter's rights along NPVD along the new Private Street terminus.

35. Easements on the Final Map: Permittee shall depict all existing easements to remain based upon current preliminary title report and depict new easements on the final map.

36. Concurrent Off-site Plan Reviews: Permittee shall submit separate off-site improvement plans for City's review and approval by the Engineering Department.

37. Street Name Approval: Permittee shall obtain approval from the City Council for all new street names based upon recommendation from the Planning Commission and City guidelines.

38. Utility Company Approval: Permittee shall obtain approval letters from utility companies (PG&E, AT&T, Comcast) for abandonment of existing and dedication of new public service utilities easements.

39. Demolition of Existing Building: Permittee shall demolish existing buildings/facilities that are in conflict with the new property lines.

acceptable to the City for perpetual operation/repair/ maintenance of City utilities and to optimize utility right-of-way management.

48. Utility Protection: All existing public utilities shall be protected in place, or if necessary relocated as approved by the City Engineer. No Permanent structure is permitted within City easements and no trees or deep-rooted shrubs are permitted within City utility easements, where the easement is located within landscape areas.

49. Backflow Devices: All backflow devices shall be located outside of city easements throughout the site.

50. Water meters (residential): Landscape water meters, defined as dedicated water service meters, shall be installed for all residential (including single family) irrigated landscapes of 2,500 square feet or greater. A privately owned meter or sub-meter is only allowed upon approval of the City Engineer.

51. Specific Improvements: In addition to standard public improvements required under Milpitas Municipal Code (MMC) Title XI, Chapter 1, Section 7, Permittee shall install other specific improvements listed below including incidental improvements as required by the City as part of the encroachment permit.
    a. Installation of separate water service tap and meter for each of the following services: residential, irrigation, and fire.
    b. Installation of separate utility service lines (domestic water, fire service, sanitary sewer) for residential.
    c. Installation of radio-transmitted water meters with a meter antenna, any repeaters or transmitters as needed with dedicated power supplies at no cost to the City at locations acceptable to the City to ensure accurate and timely reception of meter readings. Permittee shall execute a recorded instrument providing dedicated space, access rights and dedicated power supplies to the City for operation/maintenance/repair/replacement of subject radio antenna.
    d. The required extent of improvements (i.e., new tie-in paving, and/or grinding and overlay as applicable to street centerline) along the project fronting streets and associated conforms shall be determined to the satisfaction of the City.
    e. Installation of new street tree wells along the project frontage. The locations, spacing of tree wells and tree species shall be in compliance with applicable City standards and details.
    f. Install two radar speed feedback signs (locations to be determined later) on the project frontage along NPVD
    g. Provide public street lighting per IESNA standards with minimum illumination of 0.1 foot-candle and uniformity ratio (avg/min) of 6 to 1
    h. Permittee shall loop the water system by extending the water main fronting lots 1 through 8, and connecting it to the water main on N. Park Victoria Dr. for water quality purposes as well as public safety pertaining firefighting.
    i. Permittee shall abandon the existing sanitary sewer main which runs behind the proposed lots, number 1 through 8 per City's Abandonment Notes and to the City's satisfaction. This main shall be capped and filled at nearest existing manhole downstream which is located behind a property west of lot 1, eastward to the existing manhole at the southwestern corner of Country Club Dr. and N. Park Victoria Dr. intersection.
    j. Permittee shall ensure that utility appurtenances are not located within concrete collars, and/or beneath curb and gutters.

52. Abandonment of Existing City Utilities: Permittee shall cap, abandon or remove any unused existing public utilities based upon City's Abandonment Notes and to the City's satisfaction.

64. Solid Waste and Recycling Facility Design: Permittee shall comply with all applicable City design guidelines/details associated with haul route, turning radius, vertical and horizontal clearance, trash enclosure, staging area, storage area, etc.

65. Recycling Report Prior to Demolition Permit Issuance: Permittee shall submit Part I of a Recycling Report on business letterhead to the Building Department, for forwarding to the Engineering Department for review and approval. The report shall describe the following resource recovery activities:
    a. What materials will be salvaged.
    b. How materials will be processed during demolition.
    c. Intended locations or businesses for reuse or recycling.
    d. Quantity estimates in tons (both recyclable and for landfill disposal). Estimates for recycling and disposal tonnage amounts by material type shall be included as separate items in all reports to the Building Division before demolition begins.

    Permittee shall make every effort to salvage materials for reuse and recycling, and shall comply with the City's demolition and construction debris recycling ordinance.

66. Recycling Report Prior to Building Permit Issuance: Permittee shall submit Part II of the Recycling Report to the Building Department, for forwarding to the Engineering Department. Part II of the Recycling Report shall be supported by copies of weight tags and/or receipts of "end dumps." Actual reuse, recycling and disposal tonnage amounts (and estimates for "end dumps") shall be submitted to the Building Department for approval by the Engineering Department prior to inspection by the Building Department.

67. Development Fees: Permittee shall pay the following development fees. The information listed in items "a" through "h" are based upon current fee rates; however, those fee rates are subject to change. The exact fee amount shall be determined at the time of building permit fee payment.
    a. Parkland:
        1. The project is required to dedicate 0.86 acres of parkland, equivalent to $2,404,512 fees-in-lieu.
        2. The applicant will receive credit for 0.35 acres of private recreation space on site. Upon demonstration of provision of this private recreation space to the satisfaction of the Direction of Planning or his/her designee, the total acreage/fees provided are 0.52 acres/$1,442,707.20.

Project Unit Count	46
Project Population Estimate	172.50
Parkland Requirement	5 acres/1,000 people or equivalent fees-in-lieu. Currently $2,787,840 per acre.
PARKLAND ACREAGE DUE/FEE EQUIVALENT	**0.86 acres/$2,404,512**
Less Private Recreation Acreage Credit (40% Max.)	0.35 acres/$961,804.80
TOTAL ACREAGE/FEES PROVIDED	**0.52 acres/$1,442,707.20**

    b. Storm water connection fee at $16,771/acre for residential and $21,562/acre for commercial.

*The plans approved by City Council are **not** building plans and have not been reviewed nor approved for conformance to the California Building Code (CBC), California Fire Code (CFC) and the Milpitas Municipal Code (MMC). Do not consider the plan set approved by City Council as final building plans approved by the Fire Department. Building plans **must** be submitted for review and approval before construction is to commence. The following notes are a general list of the applicable code requirements (2016) and are provided to assist with the building permit process. Please note that these are not all inclusive. All applicable Building, Fire and Municipal Code requirements must be met in advance of any building permit approvals or related construction. Note, Jan. 01, 2020, new CA Building Codes go into effect.*

82. Technical Assistance: To determine the acceptability of technologies, processes, products, facilities, materials, and uses attending the design, operation or use of a building or premises subject to inspection by the Fire Code Official, the Fire Code Official is authorized to require the owner or agent to provide, without charge to the jurisdiction, a technical opinion(s), plan review(s) and/or reports. CFC Section 104.7.2

83. Electronic documents: The Fire Code Official may require electronic base documents for all construction documents and operational permits. The Fire Code Official shall designate the software base format for the electronic documents. CFC Section 105.4.2.2, added by MMC Section V-300-2.11, and CFC Section 102.9

84. Fire Department Access: Fire Department apparatus and staff access shall be provided to all buildings and site. Detailed review will be done during construction permit process. CFC Section 503

    a. Minimum Number of Fire Apparatus Access Points: A Minimum of two independent and approved (approved by the Fire Code Official) means of fire apparatus access shall be provided for the site. Buildings or facilities exceeding 30 feet (9144 mm), or three stories in height, or 50,000 square feet (5760 m2) shall be provided with at least two means of fire apparatus access for each structure. International Fire Code, Section D104.1, adopted and amended by MMC V-300-2.143

       Site as proposed, meets the (2) points of access requirements.

    b. Turning Radius: Fire apparatus access roads shall meet the Milpitas Fire Department turning radii guidelines and shall provide continuous apparatus travel. Turning radii for fire apparatus access roads shall be a minimum net clearance of 48 feet 6 inches for the outside radius and 28 feet 0 inches for the inside radius. The layout for the outside and the inside radius shall be from the same reference point (center). CFC Section 503.2.4

    c. Fire Apparatus Clearance: Fire apparatus access roads shall provide a minimum clear width of 20 feet. CFC Section 503.2.1

    d. Fire Apparatus Clearance at Hydrants: Fire apparatus roads shall provide not less than 26' clear width at hydrant locations. CFC Appendix D, Section D103.1

    e. Timing of Installation and Serviceability of Fire Protection Elements: When fire apparatus access roads or a water supply for fire protection is required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction.

to meet the domestic and fire flow requirements as per the City of Milpitas Engineer Division water design requirements shall be provided as part of the construction permit process. CFC Section 507

The minimum water flow at the worst case hydrant outlet within the private system shall be not less than 1,500 gpm.

b. Fire Hydrant Location: The location and quantity of hydrants will be evaluation during the construction permit process. This applies to the on-site private streets as well as to the public streets. CFC Section 507.5

c. Private Hydrant Requirements: Private hydrants shall have the bottom 6 inches of the hydrant painted, with a weather resistive paint, white in color. CFC Section 507.5.7, added by MMC V-300-2.54.

d. No Parking in Front of Hydrants: No parking is permitted in front of fire hydrants. Hydrants located on streets (Public or Private Street) shall have an unobstructed clearance of not less than 30 feet per CA Vehicle Code 22514

86. Access Control Devices: When access control devices including bars, grates, gates, electric or magnetic locks or similar devices, which would inhibit rapid fire department emergency access to the building, are installed, such devices shall be approved by the Fire Code Official. All access control devices shall be provided with an approved means for deactivation or unlocking by the fire department. Access control devices shall also comply with Chapter 10 Egress. CFC Section 504.6, added by MMC Section V-300-2.51

87. Premises Identification: New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numerals or alphabet letters and shall be consistent with Milpitas standardized addressing guidelines. CFC Section 505

The Fire Dept. may require the installation of address numbers at multiple building locations. CFC Section 102.9

88. All required addresses shall be illuminated. CFC Section 505.3, added by MMC V-300-2.52

89. Building/Structure Requirements:

a. Automatic Fire Sprinklers: The buildings shall be provided with an automatic fire sprinkler system in conformance with the NFPA 13 D Standards (minimum requirements). CFC Section 903.3

b. Sprinkler Drainage: All new installations of sprinkler systems shall preclude sprinkler test and system drain water from discharging into the storm drain; provisions to direct water to the sanitary sewer or landscape or other approved means shall be provided. Storm Water Pollution Regulations

c. Sprinkler Design: Hydraulic design for the automatic fire sprinkler system shall provide a minimum of 20% safety margin. CFC Section 903.3.5.6, MMC V-300-2.68

102. All structures located in the hillside shall conform to minimum requirements of CBC sec.2308.7.5 as per MMC sec.II-3-2.09.

103. Projects for all structures located in the hillside area must be prepared and designed by Civil, Structural Engineer or Architect licensed in the State of California per City Policy BDP-BLG09.

104. Provide structural design and details for all detached structures and their footings over 120 square feet and decks exceeding 200 square feet that are over 30" above grade, attached to the dwelling and/or serve the required exit as per MMC sec. II-1-17.03.

105. The buildings shall comply with solar ready requirements per CEnC 110.10.

106. No mechanical duct shall penetrate exterior walls unless approved by Planning Division.

107. New dwelling unit shall comply with the electric vehicle charging requirements to facilitate future installation and use of EV chargers per CEnC sec. 4.106.4.

108. Balconies, landings, decks, stairs and similar floor projections exposed to the weather shall comply with City Policy No. BDP-BLG40: http://www.ci.milpitas.ca.gov/_pdfs/BLG40_RequirementsforConstructionofBalconies.pdf

CIVIL

109. A soil report shall be provided when applying for grading, site improvement and building permit.

110. Paving shall comply with MMC section II-13-18. Pervious paving and turf blocks shall meet minimum TI requirement of 3.5.

111. All non-structural flat concrete work shall be as per MMC sec. II-13-17.05.

112. Grading and erosion control plan shall be submitted when applying for grading permit as per MMC sec. II-13-10 and shall be prepared by a licensed Civil Engineer.

113. Site must be recently surveyed for the verification of the slopes. Signature of Surveyor or Engineer must show date of survey.

114. All downspouts shall be directed to the landscaped areas and per soils report recommendations. Discharging into the street or City storm system is not permitted. Alternate method of discharge shall be approved by the Building and Safety Department and Engineering Department.

115. Drainage shall not be directed toward adjacent property lines.

116. Prior to issuance of building permit, all the easements including private storm drain easement through adjacent parcels shall be recorded. The developer shall include interim erosion control provisions and schedules in the construction plans for areas, which will not have permanent erosion control features installed (such as landscaping) prior to any occupancy so that erosion and sediment control can be sustained as per MMC sections II-13-10 and II-13-11.

LEGEND
P = Planning Department

NOTICE OF RIGHT TO PROTEST

The Conditions of Project Approval set forth herein include certain fees, dedication requirements, reservation requirements, and other exactions. Pursuant to Government Code Section 66020(d)(1), these Conditions constitute written notice of a statement of the amount of such fees, and a description of the dedications, reservations, and other exactions. You are hereby further notified that the 90-day approval period in which you may protest these fees, dedications, reservations, and other exactions, pursuant to Government Code Section 66020(a), began on date of adoption of this resolution. If you fail to file a protest within this 90-day period complying with all of the requirements of Section 66020, you will be legally barred from later challenging such exactions.

AGREEMENT

Permittee/Property Owner

The undersigned agrees to each and every condition of approval and acknowledges the NOTICE OF RIGHT TO PROTEST and hereby agrees to use the Project property on the terms and conditions set forth in this resolution.

Dated: _____ _____

Signature of Permitte

Agenda Item No. 18

Public Hearing regarding Robson Homes at 1005 N. Park Victoria Drive

Initial Study / Mitigated Negative Declaration

Available via

1) link to document online
   http://www.ci.milpitas.ca.gov/wp-content/uploads/2019/08/1005-N-Park-Victoria-PubRev-IS-MND_With-Appendices.pdf

OR

2) Document (more than 500 pages) on file at the Milpitas City Clerk's office, Milpitas City Hall, 3rd floor

PUBLIC REVIEW DRAFT

1005 NORTH PARK VICTORIA DRIVE PROJECT INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

MILPITAS, CALIFORNIA

LSA

August 2019

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NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR THE 1005 NORTH PARK VICTORIA DRIVE PROJECT

NOTICE IS HEREBY GIVEN that the City of Milpitas (City) has completed an Initial Study/Mitigated Negative Declaration for the proposed 1005 North Park Victoria Drive Project in accordance with the California Environmental Quality Act.

Project Location: The approximately 4.88-acre project site is located at 1005 North Park Victoria Drive in the City of Milpitas in Santa Clara County. The project site is located in northern Milpitas, in an area consisting primarily of residential and commercial uses. The project site is bounded by Creed Street to the north, North Park Victoria Drive to the east, residential uses to the south, and residential uses and Rankin Drive to the west.

Proposed Project: The proposed project involves the demolition of the existing residential structure on the project site and the construction of 36 new single-family homes, 10 of which would include accessory dwelling units. The proposed project would include a General Plan Amendment to change the land use designation from Single-Family Low Density (SFL) to Single-Family Medium Density (SMD), and a Rezone from Single-Family Residential (R1-6) to the One and Two-Family District (R2) to allow development of the proposed project.

Findings: The Initial Study prepared by the City was undertaken for the purpose of deciding whether the project may have a significant effect on the environment. On the basis of the Initial Study, City staff has concluded that the project will not have a significant effect on the environment and, therefore, has prepared a Mitigated Negative Declaration. The project site is not on a list of hazardous waste sites compiled pursuant to Government Code Section 65962.5.

Public Review: Copies of the Initial Study/Mitigated Negative Declaration are on file and available for review at the City of Milpitas, Planning Department, 455 East Calaveras Boulevard, Milpitas, CA, 95035.

Written comments will be accepted from August 9, 2019 to September 9, 2019. Comments from all Responsible Agencies and interested parties are requested. Any person wishing to comment on the Draft Initial Study/Mitigated Negative Declaration must submit written comments to the following:

Adrienne Smith
455 East Calaveras Boulevard
Milpitas, CA 95035
408-586-3287
asmith@ci.milpitas.ca.gov

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PUBLIC REVIEW DRAFT

1005 NORTH PARK VICTORIA DRIVE PROJECT INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

MILPITAS, CALIFORNIA

Submitted to:

Adrienne Smith, Associate Planner
City of Milpitas
Planning Department
455 East Calaveras Boulevard
Milpitas, California 95035

Prepared by:

LSA
157 Park Place
Pt. Richmond, California 94801
510.236.6810

Project No. MLP1901

LSA

August 2019

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LIST OF ABBREVIATIONS AND ACRONYMS

µg/m^3	micrograms per cubic meter
µin/sec	microinches per second
AB	Assembly Bill
ADU	accessory dwelling unit
APN	Assessor's Parcel Number
BAAQMD	Bay Area Air Quality Management District
Basin Plan	Water Quality Control Plan
BMP	Best Management Practices
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
CAP	Climate Action Plan
CARB	California Air Resource Board
CBC	California Building Code
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CH_4	Methane
City	City of Milpitas
Clean Air Plan	Bay Area Air Quality Management District 2017 Clean Air Plan
CMP	Congestion Management Program
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level

CNPS	California Native Plant Society
CO	carbon monoxide
CO_2	Carbon dioxide
CO_2e	CO_2 equivalents
CRPR	California Rare Plant Rank
dB	decibel
dBA	A-weighted (sound level) decibels
EOP	Santa Clara County Emergency Operations Plan
ESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
Fire Department	City of Milpitas Fire Department
FTA	Federal Transit Administration
GHG	Greenhouse gas
GWh	gigawatt hours
GWP	Global Warming Potential
HCM	Highway Capacity Manual
HFCs	Hydrofluorocarbons
HVAC	heating, ventilation, and air condition
I-680	Interstate 680
I-880	Interstate 880
in/sec	inches per second
IPCC	Intergovernmental Panel on Climate Change
IS/MND	Initial Study/Mitigated Negative Declaration
ITE	Institute of Transportation Engineers

kWh	kilowatt hours
L_{dn}	day-night average level
L_{eq}	equivalent continuous sound level
LID	Low Impact Development
L_{max}	Maximum instantaneous noise level
LOS	Level of Service
L_v	velocity in decibels
MERV	Minimum Efficiency Reporting Value
mgd	million gallons per day
MLD	Most Likely Descendant
mpg	miles per gallon
MRP	San Francisco Bay Regional Water Quality Control Board Municipal Regional Permit
MT	metric tons
MUSD	Milpitas Unified School District
N_2O	Nitrous oxide
NAHC	California Native American Heritage Commission
NO_2	nitrogen dioxide
NO_x	Nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NWIC	Northwest Information Center
O_3	ozone
Pb	lead
PFCs	Perfluorocarbons
PG&E	Pacific Gas & Electric

PM	particulate matter
PM_{10}	respirable particulate matter
$PM_{2.5}$	fine particulate matter
Police Department	City of Milpitas Police Department
POTWs	publicly-owned treatment works
PPV	peak particle velocity
project	1005 North Park Victoria Drive Project
R1-6	Single-Family Residential (Zoning)
R2	One and Two-Family Residential (Zoning)
RMS	root-mean-square
ROG	Reactive organic gases
SB	Senate Bill
SBWR	City of San José South Bay Water Recycling
SCP	Stormwater Control Plan
SCV HCP	Santa Clara Valley Habitat Plan
SCVURPPP	Santa Clara Valley Urban Runoff Pollution Prevention Program
SCVWD	Santa Clara Valley Water District
SF_6	Sulfur Hexafluoride
SFL	Single-Family Low Density (General Plan Designation)
SFPUC	San Francisco Public Utilities Commission
SO_2	sulfur dioxide
SRA	State responsibility area
SSSC	side-street-stop-controlled (intersections)
STC	Sound Transmission Class

SWITRS	Statewide Integrated Traffic Records System
SWPPP	Storm Water Pollution Prevention Plan
TACs	toxic air contaminants
Traffic Study	Traffic Operations Report
UCMP	University of California Museum of Paleontology
USGS	United States Geological Survey
UWMP	Urban Water Management Plan
V/C	demand-to-capacity ratio (traffic)
VdB	vibration velocity in decibels
VMT	vehicle miles traveled
VTP	Santa Clara Valley Transportation Authority Countywide Valley Transportation Plan
Water Board	San Francisco Bay Regional Water Quality Control Board
WPCP	San José/Santa Clara Water Pollution Control Plant
ZE	zero emission

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1.0 PROJECT INFORMATION

1. **Project Title:**

   1005 North Park Victoria Drive Project

2. **Lead Agency Name and Address:**

   City of Milpitas
   Planning Department
   455 East Calaveras Boulevard
   Milpitas, California 95035

3. **Contact Person and Phone Number:**

   Adrienne Smith, (408) 586-3287

4. **Project Location:**

   1005 North Park Victoria Drive, Milpitas, California 95035

5. **Project Sponsor's Name and Address:**

   Robson Homes
   2185 The Alameda, Suite 150
   San José, California 95126

6. **General Plan Designation:**

   Single-Family Low Density (SFL)

7. **Zoning:**

   Single-Family Residential (R1-6)

8. **Description of Project:**

   The proposed project involves the demolition of the existing residential structure on the project site and the construction of 36 new single-family homes, 10 of which would include accessory dwelling units (ADUs). The proposed project would include a General Plan Amendment to change the land use designation from SFL to Single-Family Medium Density, and a Rezone from R1-6 to R2 (One and Two-Family Residential) to allow development of the proposed project.

   See Section 2.0, Project Description of this Initial Study, for a full project description.

9. **Surrounding Land Uses and Setting:**

   The project site is located in a developed area of the City of Milpitas and is surrounded by residential and commercial uses and vacant parcels. The site is bounded by Creed Street to the north, North Park Victoria Drive to the east, residential uses to the south, and Rankin Drive to the west.

10. Other Public Agencies Whose Approval is Required (e.g., permits, financial approval, or participation agreements):

City of Milpitas Fire Department, Santa Clara Valley Water District, Pacific Gas & Electric

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resource Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

California Native American tribes traditionally and culturally affiliated with the project site and area were notified of the proposed project on May 16, 2019. The City did not receive any requests for consultation during the 30-day notification period. Therefore, the City considers the AB 52 consultation process to be concluded.

2.0 PROJECT DESCRIPTION

The following describes the proposed 1005 North Park Victoria Drive Project (project) that is the subject of this Initial Study/Mitigated Negative Declaration (IS/MND) prepared pursuant to the California Environmental Quality Act (CEQA). The proposed project would result in the construction of 36 new single-family homes on the project site. The City of Milpitas (City) is the lead agency for review of the proposed project under CEQA.

2.1 PROJECT SITE

The following section describes the project location, existing conditions, surrounding land uses, and the regulatory setting.

2.1.1 Project Location

The approximately 4.88-acre project site is located at 1005 North Park Victoria Drive in the City of Milpitas in Santa Clara County (Assessor's Parcel Number [APN] 029-04-040). The project site is located in northern Milpitas in an area consisting primarily of residential and commercial uses. The project site is bounded by Creed Street to the north, North Park Victoria Drive to the east, residential uses to the south, and residential uses and Rankin Drive to the west.

Regional vehicular access to the project site is provided by Interstate 680 (I-680), located just west of the project site. The nearest on/off ramps to I-680 are located at Jacklin Road. Bus stops located along Jacklin Road and North Park Victoria provide transit service to the project site. Figure 2-1 shows the regional and local context of the project site. Figure 2-2 depicts an aerial photograph of the project site and surrounding land uses.

2.1.2 Existing Conditions

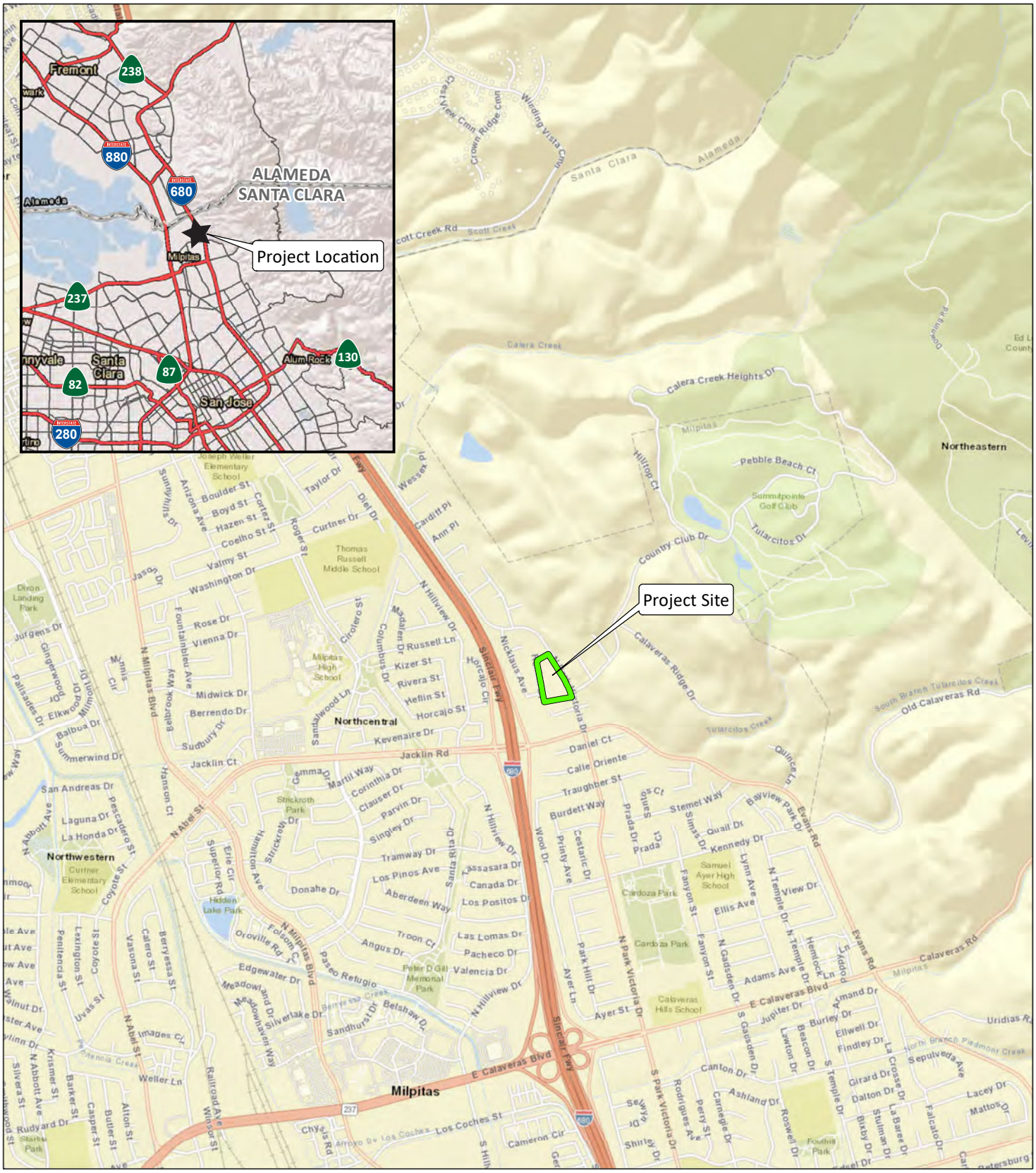
The project site, which generally slopes downward from the southeastern corner approximately 14 to 18 feet, is largely vacant except for an abandoned single-story house and associated improvements in the southeast corner. Vegetation on the project site consists of grasses and scattered shrubs, as well as six mature trees.

2.1.3 Surrounding Land Uses

As shown in Figure 2-2, the project site is generally surrounded by residential and commercial uses and vacant parcels. To the north the project site is bounded by Creed Street, across which are residential uses. Across North Park Victoria Drive to the east are residential uses and vacant land, as well as Country Club Drive. South of the residential uses that border the site are Fox Hollow Court, residential uses, and commercial uses. West of Rankin Drive are additional residential uses and Nicklaus Avenue, further west of which is I-680.

2.1.4 Circulation and Access

The project site is currently vacant and no interior vehicular access is available. However, North Park Victoria Drive provides access to the eastern edge of the project site, and Creed Street and Rankin Drive provide access to the northern and western edges, respectively.



LSA

LEGEND

Project Site - (4.82 ac)

FIGURE 2-1

N

0 1000 2000
FEET

SOURCE: ESRI World Street Map (4/2019)

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1005 North Park Victoria Project IS/MND

Project Location and Regional Vici p

LSA

FIGURE 2-2

0 200 400
FEET

N

Project Site

1005 North Park Victoria Project IS/MND

Aerial Photograph and Project Site and Surrounding Land Uses

SOURCES: GOOGLE EARTH, 8/9/18; LSA, 2019.

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2.1.5 Regulatory Setting

The City of Milpitas General Plan Land Use Map designates the project site as Single-Family Low Density (SFL).[1] This land use is intended to provide for individually-owned housing units, either on separate lots or as part of a clustered Planned Unit Development, with single-unit detached residences being the typical housing type. The City of Milpitas Zoning Map identifies the project site as Single-Family Residential (R1-6).[2] Single-family residences are permitted in the R1-6 zone with density of 3 to 15 units per gross acre.

2.2 PROPOSED PROJECT

The proposed project involves the demolition of the existing residential structure on the project site and the construction of 36 new single-family homes, 10 of which would include accessory dwelling units (ADUs). The proposed project would include a General Plan Amendment to change the land use designation from SFL to Single-Family Medium Density, and a Rezone from R1-6 to the One and Two-Family District (R2) to allow development of the proposed project. Individual components of the proposed project are discussed below.

2.2.1 Building Program

As previously discussed, the proposed project would result in the construction of a total of 36 single-family four-bedroom residential units on the project site, each of which would be two stories and include a two-car garage. The single-family residential units would range in size from approximately 2,500 to 2,900 square feet and would be located on individual lots that would average approximately 4,300 square feet in size. Figure 2-3 shows the conceptual site plan for the proposed project.

As mentioned above, 10 of the single-family units would include ADUs above detached garages. As shown in Figure 2-3, these units would be located along the eastern edge of the project site, with the main residential units fronting to North Park Victoria Drive and the ADUs and garages would be accessed at the rear of the units from a private internal driveway. The ADUs would be studios approximately 485 square feet in size. The remaining 26 units would include attached garages. Typical building elevations representing the units with attached garages are shown in Figure 2-4. Figure 2-5 and Figure 2-6 show typical building elevations representing the units with detached garages and ADUs.

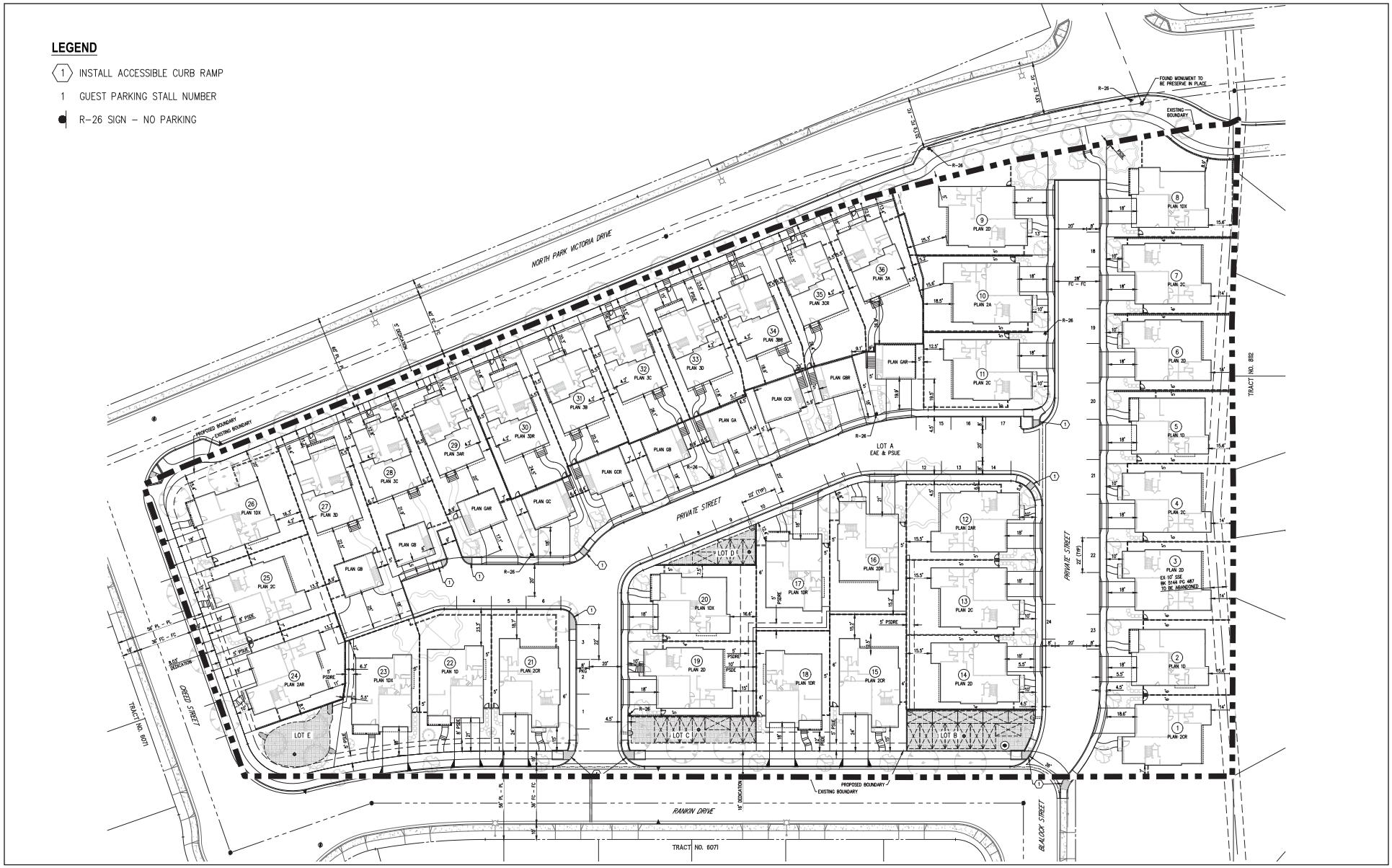
2.2.2 Open Space and Landscaping

Each of the residential uses on the project site would include private backyards that would be an average of 1,641 square feet. In total, the proposed project would provide 59,094 square feet of private open space. In addition, the proposed project would include a total of 78,624 square feet of landscaped area, including 5,007 square feet of bioretention space. A total of 78 trees would be planted as part of the proposed project.

---

1 Milpitas, City of, 2012. General Plan Land Use Map, Figure 2-1. Available online at: www.ci.milpitas.ca.gov/_pdfs/plan_map_general_plan_land_use.pdf (accessed April 25, 2019). October.

2 Milpitas, City of, 2015. Zoning Map. January.



LSA

FIGURE 2-3

0 40 80
FEET

Project Site

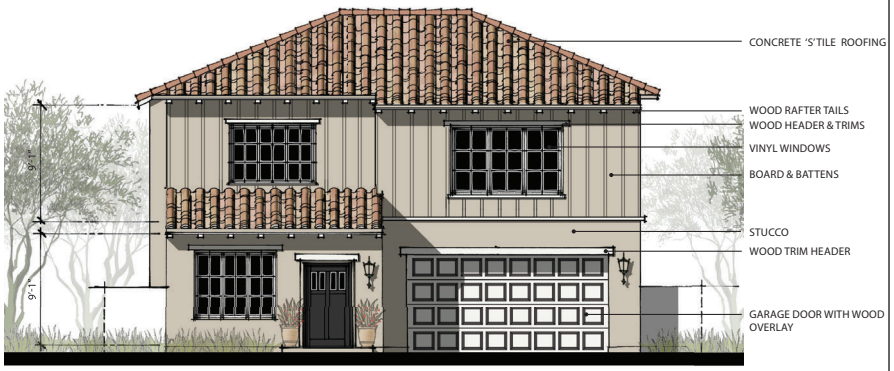
SOURCE: RHA ROBERT HIDEY ARCHITECTS, APRIL 2019.

P:\MLP1901 1005 N Park Victoria\Graphics\Figures\Fig_2-3.ai (6/11/19)

1005 North Park Victoria Project IS/MND

Conceptual Site Plan

LEFT



FRONT
SCHEME 1

RIGHT

REAR

LSA

FIGURE 2-4

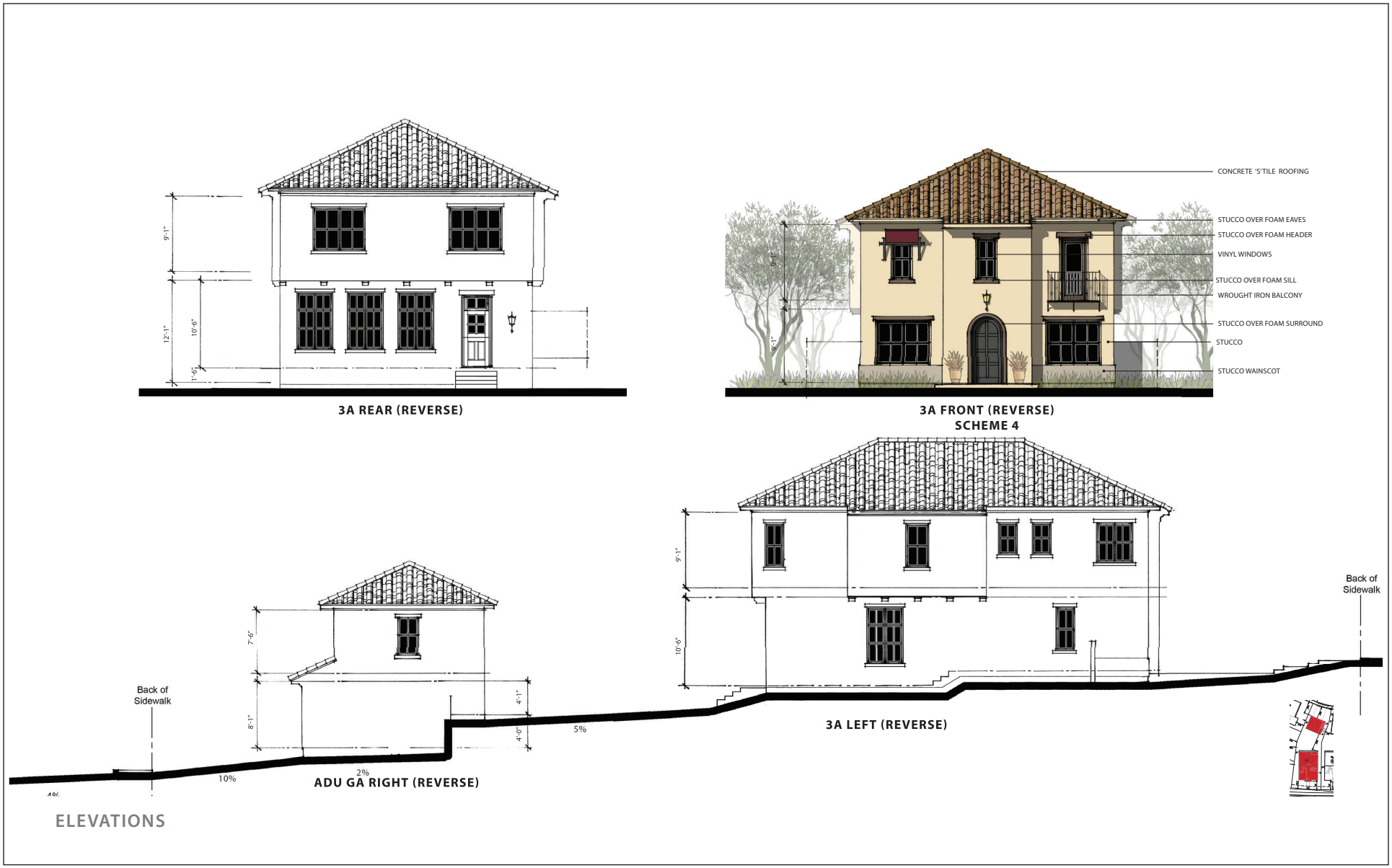
NOT TO SCALE

SOURCE: RHA ROBERT HIDEY ARCHITECTS, APRIL 2019.

P:\MLP1901 1005 N Park Victoria\Graphics\Figures\Fig_2-4.ai (6/11/19)

1005 North Park Victoria Project IS/MND

Conc Building Elevations -- Attached Garage



LSA

FIGURE 2-5

NOT TO SCALE

SOURCE: RHA ROBERT HIDEY ARCHITECTS, APRIL 2019.

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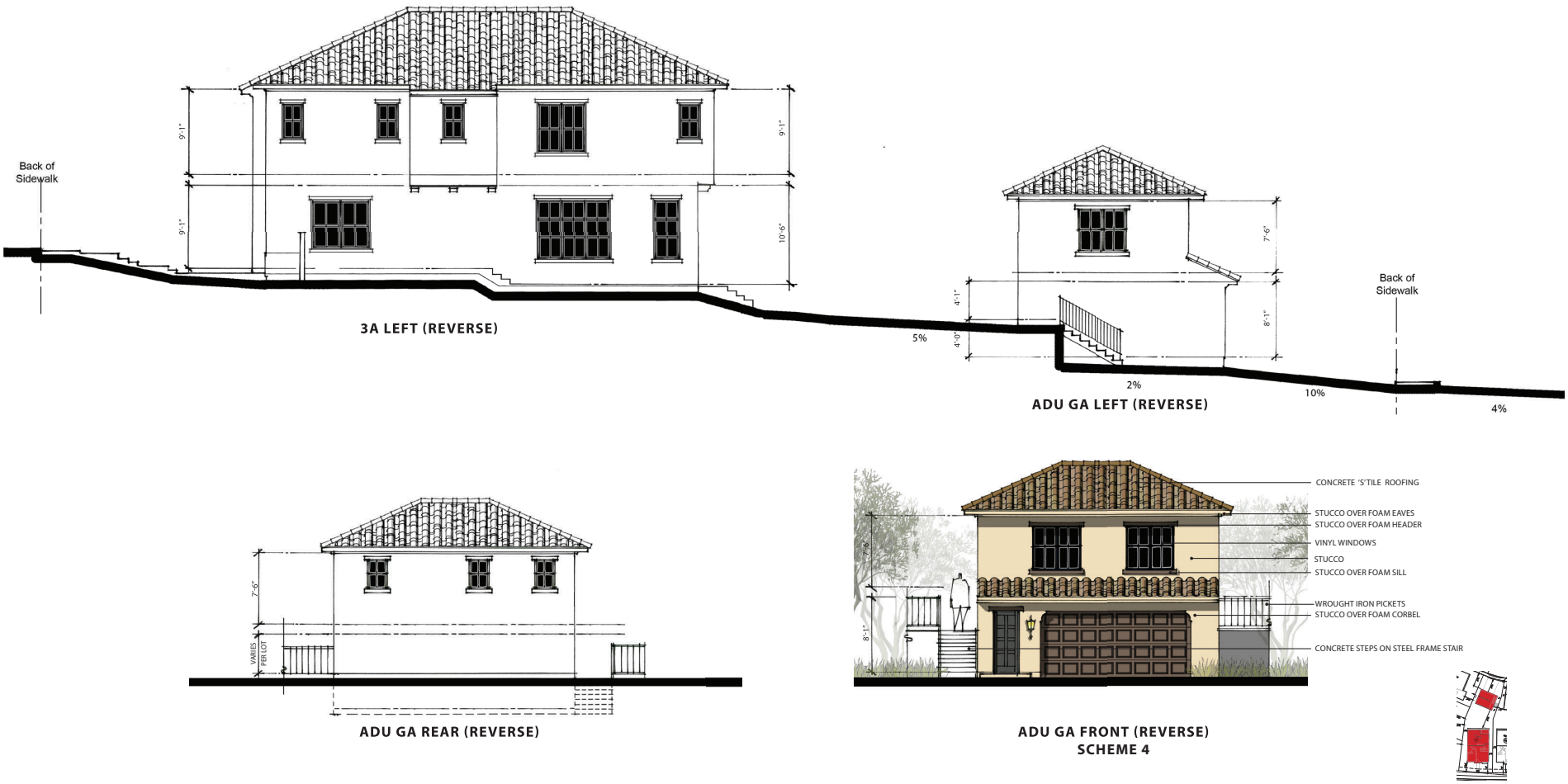
1005 North Park Victoria Project IS/MND

Conceptual Building Elevations -- Detached Garage and ADU



LSA

FIGURE 2-6

NOT TO SCALE

SOURCE: RHA ROBERT HIDEY ARCHITECTS, APRIL 2019.

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1005 North Park Victoria Project IS/MND

Conceptual Bui evations -- Detached Garage and ADU

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2.2.3 Access, Circulation, and Parking

As shown on Figure 2-3, access to the project site would be provided at two points, one of which would be located along Rankin Drive and the other at the intersection of Rankin Drive and Blalock Street. An interior street would provide automobile access to the majority of the residential units, with the exception of three units in the northern portion of the project site that would be accessed from Creed Street, and five units along the western border of the project site that would be accessed from Rankin Drive. As noted above, each of the residential units included in the proposed project would include a two-car parking garage.

2.2.4 Utilities and Infrastructure

The project site is located in an urban area that is currently served by existing utilities, including water, sanitary sewer, storm drainage, electricity, gas, and telecommunications infrastructure. Existing and proposed utility connections are discussed below.

2.2.4.1 Water

Water service is provided by the City of Milpitas. The proposed project would include the installation of new water lines on the site that would connect to the existing 8-inch main located within Rankin Drive and Blalock Street.

2.2.4.2 Wastewater

The San José/Santa Clara Water Pollution Control Plant (WPCP) provides wastewater treatment for Milpitas. The City maintains existing sanitary sewer lines within the vicinity of the site, including an 8-inch line within the existing streets that surround the project site on the north, east, and west sides.

A new 12-inch line would be installed within the private street areas of the north-facing properties along the southernmost private street. The existing 12-inch line that runs along the southern border of the project site would be abandoned and a new 12-inch line would be installed. The proposed project would also include a connection to the 8-inch line within Rankin Drive.

2.2.4.3 Stormwater

The existing building, paving, concrete and other impervious surfaces account for approximately 0.06 acres (1.3 percent) of the 4.88-acre site. The remaining 4.82 acres on the project site is covered by pervious surfaces consisting of grasses. There is currently no stormwater infrastructure within the site, however, surface flows on the project site, if any, would generally flow in a northwestern direction towards an existing catch basin within Rankin Drive. Connecting to an existing 15-inch storm drain, the existing catch basin eventually flows to a 36-inch main located southwest of the project site.

Upon construction of the proposed project, approximately 2.68 acres (55 percent) of the project site would be covered by impervious surfaces and approximately 1.92 acres (45 percent) would be covered by pervious surfaces, consisting of landscaped areas with lawns, shrubs, and trees. Additionally, for hydromodification purposes, the proposed project would include 27 underground storage vaults for stormwater runoff under the bioretention areas, each of which would hold approximately 915 cubic feet of water. A 15-inch stormwater main would connect the proposed storage vaults to the existing storm drain within Rankin Drive.

2.2.4.4 Electricity and Gas

The proposed project would include connections to the existing electricity and natural gas lines that run adjacent to the project site.

2.2.5 Demolition and Construction

The proposed project would result in the demolition of the existing building and all surface pavements on the project site. The maximum depth of excavation for building pads elevations would be 1 to 2 feet from the existing grade and the maximum depth of utility trenching would be approximately 15 feet. It is anticipated that a total of 4,608 cubic yards of soils would be cut and 6,320 cubic yards would be used for fill, and therefore approximately 1,711 cubic yards of fill would be imported to the site in a total of 172 truck trips. Construction of the proposed project is anticipated to begin in Spring 2020 and would occur over an approximately 18-month to 24-month period.

2.3 PROJECT APPROVALS

As noted above, the proposed project would require a General Plan Amendment and Rezoning. In addition, Section XI-10-57.03 of the City's Municipal Code identifies the purpose and need for Site Development Permits. As noted in Section XI-10-57.03(A)(1), the Site Development Permit process provides for the review of physical improvements to a site that require consideration due to their scale, proximity to environmentally sensitive resource areas, or unique design features. Per Section XI-10-57.03(C)(1)(a) of the City's Municipal Code, development of the proposed project would require a Site Development Permit because it involves the construction of a new building. Per Section XI-10-54.07, a Planned Unit Development approval, and concurrent Tentative Map approval, would be required in order to rezone the project site to Planned Unit Development.

While the City is the CEQA Lead Agency for the proposed project, other agencies also have discretionary authority related to the project and approvals, or serve as a responsible and/or trustee agency in connection to the proposed project. A list of these agencies and potential permits and approvals that may be required is provided in Table 2.A.

Table 2.A: Potential Permits and Approvals

Lead Agency	Permits/Approvals
City of Milpitas	● Adoption of the IS/MND for the 1005 North Park Victoria Project ● General Plan Amendment ● Rezone ● Site Development Permit ● Planned Unit Development Permit ● Environmental Assessment Permit ● Tentative Map Approval
Other Agencies	
City of Milpitas Fire Department	● Review/Approve fire truck access and site fire flow design
Santa Clara Valley Water District (SCVWD)	● Connection to water system ● Connection to wastewater system
Pacific Gas & Electric (PG&E)	● Reconnection of electricity/natural gas service

Source: LSA (2019).

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3.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist in Chapter 3.0.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology/Soils	☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☐ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities/Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

3.1 DETERMINATION

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "Potentially Significant Impact" or "Potentially Significant Unless Mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature: _____ Date: 8/7/19

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4.0 CEQA ENVIRONMENTAL CHECKLIST

4.1 AESTHETICS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the project:				
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway	☐	☐	☒	☐
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☒	☐	☐

a. Would the project have a substantial effect on a scenic vista? ***(Less-Than-Significant Impact)***

Scenic vistas in Milpitas are generally available from the hills to the east, including Ed Levin Park and adjacent areas. These areas are generally accessed by East Calaveras Boulevard, which is designated as a scenic connector from the City limits to the west to Evans Road, at which point it is designated as a scenic corridor until it terminates within Ed Levin Park. Public views of scenic resources, including the southern part of San Francisco Bay and associated baylands, and urbanized areas, including all of Milpitas, Mountain View, and northern San José, are primarily available from this area. There is also a scenic area on the eastern border of Milpitas along the Coyote Creek corridor.[3] The project site is not located in an area considered to be within view of a scenic vista. In addition, development of the proposed project would not obscure any views of scenic vistas from surrounding public vantage points. Therefore, the proposed project would not result in a substantial adverse effect on a scenic vista, and this impact would be less than significant.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? ***(Less-Than-Significant Impact)***

The proposed project is not located within the vicinity of any State scenic highways. Interstate 680 (I-680), from Mission Boulevard in the City of Fremont to the Contra Costa County line, is listed as an Eligible State Scenic Highway but not an officially designated State scenic highway and is located

[3] Milpitas, City of, 2015. *Milpitas General Plan*. April.

approximately 7.4 miles north of the project site in the City of Fremont.[4] Given this distance, the proposed project would not be visible from this scenic roadway. Interstate 880 (I-880) and I-680 both run north-south through Milpitas, and are designated Scenic Connectors in the City's General Plan, indicating that they provide access to Scenic Corridors or distant views but do not necessarily traverse an area of scenic value. Lands abutting Scenic Connectors are not subject to Scenic Corridor land use guidelines. As such, the proposed project would have no impact on scenic resources located within view of a State scenic highway.

c. In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? ***(Less-Than-Significant Impact)***

The project site is located within an urbanized area. As noted in Section 2.0, Project Description, the project site is located within the R1-6 zoning district. However, the proposed project would include a rezone of the project site from R1-6 to R2. Single-family residential units are a permitted use within the R2 district, which has a maximum density of 7 to 11 units per gross acre and a maximum height for principal buildings of 2.5 stories (30 feet) and 1.5 stories (15 feet) for accessory buildings. The proposed project would have a density of 7.3 dwelling units per gross acre, and a maximum building height of approximately 22 feet.

As also noted in Section 2.0, Project Description, a Site Development Permit would also be required for the proposed project, which would provide for the review of the physical improvements to the project site, including the overall building scale, massing, and design to ensure compatibility and compliance with City requirements governing scenic quality. In addition, the proposed project would be required to submit a landscaping plan in compliance with the City's Landscape Ordinance.[5]

Therefore, because a Site Development Permit, and landscape plan would be required to allow development of the proposed building and site-specific review of the proposed building would be required as part of this process, the proposed project would not conflict with applicable zoning or other regulations governing scenic quality, and this impact would be less than significant.

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? ***(Less-Than-Significant with Mitigation Incorporated)***

The project site is located in an urban area with a variety of existing light sources including street lights, interior and exterior building lighting, and light associated with traffic on nearby roadways, including I-680 and North Park Victoria Drive. Development of the proposed project would incrementally increase the amount of nighttime lighting in the surrounding area due to new interior and exterior lighting at the individual residential units and lighting associated with additional

[4] California, State of, 2011. Department of Transportation. California Scenic Highway System. Website: www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways (accessed May 15, 2019).

[5] Milpitas, City of, 2015. *Ordinance No. 238.4.* December 18.

vehicular traffic to and from the project site. The City's Zoning Ordinance includes the following policies related to outdoor lighting that would be applicable to the proposed project:

- **Section XI-10-54.17 – Lighting Exterior.** Lighting shall be shielded or recessed so that direct glare and reflections are contained within the boundaries of the parcel, and shall be directed downward and away from adjoining properties and public rights-of-way. Fixtures shall be appropriate in terms of height, style, design, scale and wattage to the use of the property. Fixtures shall be spaced appropriately to maximize pedestrian safety.

To ensure that the proposed project complies with City requirements and that the proposed project's final design avoids all excess light and glare, implementation of Mitigation Measure AES-1, below, would be required to ensure that potentially significant light and glare impacts are reduced to less-than-significant levels.

> **Mitigation Measure AES-1:** Outdoor lighting shall be designed to minimize glare and spillover to surrounding properties. The project design and building materials shall incorporate non-mirrored glass to minimize daylight glare. All lighting elements shall comply with Sections XI-10-45.15-3 of the City's Zoning Ordinance and the proposed lighting plan shall be reviewed and approved by the City's Planning Division prior to issuance of a building permit.

4.2 AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and the forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? ***(No Impact)***

The project site is largely vacant except for an abandoned single-story house and associated improvements in the southeast corner. The project site is classified as "Grazing Land" by the State Department of Conservation and is largely surrounded by lands classified as "Urban and Built-Up Land".[6] Therefore, the proposed project would not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to another use, and no impact would occur.

[6] California Department of Conservation, 2016. Division of Land Use Resource Protection. California Important Farmland Finder. Website: maps.conservation.ca.gov/dlrp/ciff (accessed March 19, 2019).

b. Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract? ***(No Impact)***

The project site is designated as SFL on the City's General Plan Land Use Map[7] and is within the R-1-6 zoning district.[8] The project site is not under a Williamson Act contract.[9] Therefore, development of the proposed project would not conflict with existing zoning for agricultural use or a Williamson Act contract and no impact would occur.

c. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? ***(No Impact)***

The project site is largely vacant except for an abandoned single-story house and associated improvements in the southeast corner and is surrounded by other residential uses. The proposed project would not conflict with existing zoning for, or cause rezoning of, forest land or timberland, nor would it result in the loss of forest land or conversion of forest land to non-forest uses. As such, no impact to forest land or timberland would occur.

d. Would the project result in the loss of forest land or conversion of forestland to non-forest use? ***(No Impact)***

Please refer to Section 4.2.c. The proposed project would not result in the loss of forest land or conversion of forest land to non-forest uses.

e. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? ***(No Impact)***

Please refer to Sections 4.2.a. and 4.2.c. The project site is located in an existing urban environment and would not involve other changes in the existing environment which, due to their location or nature, could result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest use. Therefore, no impact would occur.

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7 Milpitas, City of, 2012, op. cit.

8 Milpitas, City of, 2015. Zoning Map. January.

9 California Department of Conservation, 2016. Division of Land Resource Protection, Farmland Mapping and Monitoring Program. Santa Clara County Williamson Act Lands (map). Available online at: ftp.consrv.ca.gov/pub/dlrp/WA/SantaClara_15_16_WA.pdf (accessed February 15, 2019).

4.3 AIR QUALITY

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☒	☐	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The project site is within the jurisdiction of the Bay Area Air Quality Management District (BAAQMD), which regulates air quality in the San Francisco Bay Area. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD was created in 1955. Ambient concentrations of air pollutants and the number of days during which the region exceeds air quality standards have fallen substantially. In Milpitas, and the rest of the air basin, exceedances of air quality standards occur primarily during meteorological conditions conducive to high pollution levels, such as cold, windless winter nights or hot, sunny summer afternoons.

Within the BAAQMD, ambient air quality standards for ozone, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter (PM_{10}, $PM_{2.5}$), and lead (Pb) have been set by both the State of California and the federal government. The State has also set standards for sulfate and visibility. The BAAQMD is under State non-attainment status for ozone and particulate matter standards. The BAAQMD is classified as non-attainment for the federal ozone 8-hour standard and non-attainment for the federal $PM_{2.5}$ 24-hour standard.

a. Would the project conflict with or obstruct implementation of the applicable air quality plan? ***(Less-Than-Significant Impact)***

The applicable air quality plan is the BAAQMD 2017 Clean Air Plan (Clean Air Plan),[10] which was adopted on April 19, 2017. The Clean Air Plan is a comprehensive plan to improve Bay Area air quality and protect public health. The Clean Air Plan defines control strategies to reduce emissions and ambient concentrations of air pollutants; safeguard public health by reducing exposure to air pollutants that pose the greatest heath risk, with an emphasis on protecting the communities most heavily affected by air pollution; and reduce greenhouse gas emissions to protect the climate. Consistency with the Clean Air Plan can be determined if the project: (1) supports the goals of the

[10] Bay Area Air Quality Management District, 2017. *Clean Air Plan*. April 19.

Clean Air Plan; (2) includes applicable control measures from the Clean Air Plan; and (3) would not disrupt or hinder implementation of any control measures from the Clean Air Plan.

Clean Air Plan Goals. The primary goals of the Bay Area Clean Air Plan are to: attain air quality standards; reduce population exposure and protect public health in the Bay Area; and reduce greenhouse gas emissions and protect climate.

The BAAQMD has established significance thresholds for project construction and operational impacts at a level at which the cumulative impact of exceeding these thresholds would have an adverse impact on the region's attainment of air quality standards. The health and hazards thresholds were established to help protect public health. As discussed in Section 3.3.b, implementation of the proposed project would result in less-than-significant operation-period emissions and, with implementation of Mitigation Measure AIR-1, the project would result in less-than-significant construction-period emissions. Therefore, the project would not conflict with the Clean Air Plan goals.

Clean Air Plan Control Measures. The control strategies of the Clean Air Plan include measures in the following categories: Stationary Source Measures, Transportation Measures, Energy Measures, Building Measures, Agriculture Measures, Natural and Working Lands Measures, Waste Management Measures, Water Measures, and Super-Greenhouse Gas (GHG) Pollutants Measures.

Stationary Source Control Measures. The stationary source measures, which are designed to reduce emissions from stationary sources such as metal melting facilities, cement kilns, refineries, and glass furnaces, are incorporated into rules adopted by the BAAQMD and then enforced by the BAAQMD's Permit and Inspection programs. Since the project would not include any stationary sources of emissions, the Stationary Source Measures of the Clean Air Plan are not applicable to the project.

Transportation Control Measures. The BAAQMD identifies Transportation Measures as part of the Clean Air Plan to decrease emissions of criteria pollutants, toxic air contaminants (TACs), and GHGs by reducing demand for motor vehicle travel, promoting efficient vehicles and transit service, decarbonizing transportation fuels, and electrifying motor vehicles and equipment. The proposed project would develop new residences that would locate residents near existing residential and commercial uses, reducing the demand for travel by single occupancy vehicles. The proposed project would also provide pedestrian and bicyclist amenities, including sidewalks, crosswalks, bicycle lanes, shading, and landscaping which would also help to reduce the demand for travel by single occupancy vehicles. Therefore, the project would promote the BAAQMD's initiatives to reduce vehicle trips and vehicle miles traveled and would increase the use of alternate means of transportation.

Energy Control Measures. The Clean Air Plan also includes Energy Measures, which are designed to reduce emissions of criteria air pollutants, TACs, and GHGs by decreasing the amount of electricity consumed in the Bay Area, as well as decreasing the carbon intensity of the electricity used by switching to less GHG-intensive fuel sources for electricity generation. Since these measures apply to electrical utility providers and local government agencies (and not individual projects), the energy control measures of the Clean Air Plan are not applicable to the project.

Building Control Measures. The BAAQMD has authority to regulate emissions from certain sources in buildings such as boilers and water heaters, but has limited authority to regulate buildings themselves. Therefore, the strategies in the control measures for this sector focus on working with local governments that do have authority over local building codes, to facilitate adoption of best GHG control practices and policies. The proposed project would be required to comply with the latest California Green Building Standards Code (CALGreen) standards. Therefore, the Building Control Measures of the Clean Air Plan are not applicable to the project.

Agriculture Control Measures. The Agriculture Control Measures are designed to primarily reduce emissions of methane. Since the project does not include any agricultural activities, the Agriculture Control Measures of the Clean Air Plan are not applicable to the project.

Natural and Working Lands Control Measures. The Natural and Working Lands Control Measures focus on increasing carbon sequestration on rangelands and wetlands, as well as encouraging local governments to ordinances that promote urban-tree plantings. Since the project does not include the disturbance of any rangelands or wetlands, the Natural and Working Lands Control Measures of the Clean Air Plan are not applicable to the project.

Waste Management Control Measures. The Waste Management Measures focus on reducing or capturing methane emissions from landfills and composting facilities, diverting organic materials away from landfills, and increasing waste diversion rates through efforts to reduce, reuse, and recycle. The project would comply with local requirements for waste management (e.g., recycling and composting services). Therefore, the project would be consistent with the Waste Management Control Measures of the Clean Air Plan.

Water Control Measures. The Water Control Measures focus on reducing emissions of criteria pollutants, TACs, and GHGs by encouraging water conservation, limiting GHG emissions from publicly-owned treatment works (POTWs), and promoting the use of biogas recovery systems. Since these measures apply to POTWs and local government agencies (and not individual projects), the Water Control Measures are not applicable to the project.

Super GHG Control Measures. The Super-GHG Control Measures are designed to facilitate the adoption of best GHG control practices and policies through the BAAQMD and local government agencies. Since these measures do not apply to individual projects, the Super-GHG Control Measures are not applicable to the project.

Clean Air Plan Implementation. As discussed above, the proposed project would generally implement the applicable measures outlined in the Clean Air Plan, including Transportation Control Measures. Therefore, the project would not disrupt or hinder implementation of a control measure from the Clean Air Plan and this impact would be less than significant.

b. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? ***(Less-Than-Significant with Mitigation Incorporated)***

Both State and federal governments have established health-based Ambient Air Quality Standards for six criteria air pollutants: CO, ozone (O_3), NO_2, SO_2, Pb, and suspended particulate matter (PM). These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. As identified above, the BAAQMD is under State non-attainment status for ozone, PM_{10}, and $PM_{2.5}$ standards. The Air Basin is also classified as non-attainment for both the federal ozone 8-hour standard and the federal $PM_{2.5}$ 24-hour standard.

Air quality standards for the proposed project are regulated by the BAAQMD CEQA Air Quality Guidelines. According to the BAAQMD CEQA Air Quality Guidelines, to meet air quality standards for operational-related criteria air pollutant and air precursor impacts, the project must not:

- Contribute to CO concentrations exceeding the State ambient air quality standards;
- Generate average daily construction emissions of reactive organic gases (ROG), nitrogen oxides (NO_x) or $PM_{2.5}$ greater than 54 pounds per day or PM_{10} exhaust emissions greater than 82 pounds per day; or
- Generate average operational emissions of ROG, NO_x or $PM_{2.5}$ of greater than 10 tons per year or 54 pounds per day or PM_{10} emissions greater than 15 tons per year or 82 pounds per day.

The following sections describe the proposed project's construction- and operation-related air quality impacts and CO impacts.

Construction Emissions. During construction, short-term degradation of air quality may occur due to the release of particulate matter emissions (i.e., fugitive dust) generated by demolition, grading, hauling, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROG, directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs, such as diesel exhaust particulate matter.

Site preparation and project construction would involve demolition, grading, paving, and other activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The BAAQMD has established standard measures for reducing fugitive dust emissions (PM_{10}). With the implementation of these Basic Construction Mitigation Measures, fugitive dust emissions from construction activities would not result in adverse air quality impacts.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, ROGs and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles are delayed. These emissions would be temporary and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using the California Emissions Estimator Model (CalEEMod) version 2016.3.2, consistent with BAAQMD recommendations. The proposed project would include the demolition of the existing approximately 2,300-square-foot building and would include a total of 172 truck trips to import approximately 1,711 cubic yards of soil, which were added to the CalEEMod analysis. Project construction would commence spring 2020 and would occur for approximately 1.5 to 2 years. To be conservative, this analysis assumes a construction duration of approximately 1.5 years. Construction-related emissions are presented in Table 4.A. CalEEMod output sheets are included in Appendix A.

Table 4.A: Project Construction Emissions in Pounds Per Day

Project Construction	ROG	NO_x	Exhaust PM_{10}	Fugitive Dust PM_{10}	Exhaust $PM_{2.5}$	Fugitive Dust $PM_{2.5}$
Average Daily Emissions	3.2	49.9	0.8	1.7	0.7	0.9
BAAQMD Thresholds	54.0	54.0	54.0	BMP	82.0	BMP
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: LSA (May 2019).
BMP = best management practices

As shown in Table 4.A, construction emissions associated with the project would be less than significant for ROG, NO_x, $PM_{2.5}$, and PM_{10} exhaust emissions. The BAAQMD requires the implementation of the BAAQMD's Basic Construction Mitigation Measures (best management practices) to reduce construction fugitive dust impacts to a less-than-significant level as follows:

Mitigation Measure AIR-1: In order to meet the BAAQMD fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures shall be implemented:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.

- All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 mph.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible.
- Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly-visible sign shall be posted with the telephone number and person to contact at the City of Milpitas regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

Operational Emissions. Long-term air pollutant emission impacts are those associated with mobile sources (e.g., vehicle trips), energy sources (e.g., electricity and natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment) related to the proposed project.

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles.

Energy source emissions result from activities in buildings for which electricity and natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of electricity or natural gas) and the emission factor of the fuel source. Major sources of energy demand include building mechanical systems, such as heating and air conditioning, lighting, and plug-in electronics, such as refrigerators or computers. Greater building or appliance efficiency reduces the amount of energy for a given activity and thus lowers the resultant emissions. The emission factor is determined by the fuel source, with cleaner energy sources, like renewable energy, producing fewer emissions than conventional sources.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment. Area source emissions associated with the project would include emissions from the use of landscaping equipment and the use of consumer products.

Emission estimates for operation of the project were calculated using CalEEMod. Model results are shown in Table 4.B. Trip generation rates for the project were based on the project's trip generation estimate, as identified in the Traffic Operations Report (Traffic Study).[11] Based on the Traffic Study, the proposed project would generate approximately 349 average daily trips, which is conservative as this trip generation estimate is based on a higher unit count.

The primary emissions associated with the project are regional in nature, meaning that air pollutants are rapidly dispersed on release or, in the case of vehicle emissions associated with the project; emissions are released in other areas of the Air Basin. The daily emissions associated with project operational trip generation, energy, and area sources are identified in Table 4.B for ROG, NO_x, PM_{10}, and $PM_{2.5}$. The results shown in Table 4.B indicate the project would not exceed the significance criteria for daily ROG, NO_2, PM_{10} or $PM_{2.5}$ emissions; therefore, the proposed project would not have a significant effect on regional air quality and mitigation would not be required. This impact would be less than significant.

Table 4.B: Project Operational Emissions

	ROG	NO_x	PM_{10}	$PM_{2.5}$
Pounds Per Day				
Area Source Emissions	1.8	0.5	0.1	0.1
Energy Source Emissions	<0.1	0.3	<0.1	<0.1
Mobile Source Emissions	0.6	2.4	1.6	0.4
Total Emissions	**2.4**	**3.2**	**1.7**	**0.5**
BAAQMD Thresholds	54.0	54.0	82.0	54.0
Exceed Threshold?	**No**	**No**	**No**	**No**
Tons Per Year				
Area Source Emissions	0.3	<0.1	<0.1	<0.1
Energy Source Emissions	<0.1	<0.1	<0.1	<0.1
Mobile Source Emissions	0.1	0.4	0.3	0.1
Total Emissions	**0.4**	**0.5**	**0.3**	**0.1**
BAAQMD Thresholds	10.0	10.0	15.0	10.0
Exceed Threshold?	**No**	**No**	**No**	**No**

Source: LSA (May 2019).

Localized CO Impacts. Emissions and ambient concentrations of CO have decreased dramatically in the Bay Area with the introduction of the catalytic converter in 1975. No exceedances of the State or federal CO standards have been recorded at Bay Area monitoring stations since 1991. The BAAQMD 2017 CEQA Guidelines include recommended methodologies for quantifying concentrations of localized CO levels for proposed transportation projects. A screening level analysis using guidance

[11] Hexagon Transportation Consultants, 2019. *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences*. June 4.

from the BAAQMD CEQA Guidelines was performed to determine the impacts of the project. The screening methodology provides a conservative indication of whether the implementation of a proposed project would result in significant CO emissions. According to the BAAQMD CEQA Guidelines, a proposed project would result in a less-than-significant impact to localized CO concentrations if the following screening criteria are met:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, and the regional transportation plan and local congestion management agency plans.
- Project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- The project would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, or below-grade roadway).

Implementation of the proposed project would not conflict with the Santa Clara Valley Transportation Authority Countywide Valley Transportation Plan (VTP). The VTP is a countywide long-range transportation plan for Santa Clara County. According to the Traffic Study,[12] the proposed project would generate approximately 28 AM peak hour trips and 37 PM peak hour trips; therefore, the project's contribution to peak hour traffic volumes at intersections in the vicinity of the project site would be well below 44,000 vehicles per hour. Therefore, the proposed project would not result in localized CO concentrations that exceed State or federal standards and this impact would be less than significant.

c. Would the project expose sensitive receptors to substantial pollutant concentrations? ***(Less-Than-Significant Impact)***

Sensitive receptors are defined as residential uses, schools, daycare centers, nursing homes, and medical centers. Individuals particularly vulnerable to diesel particulate matter are children, whose lung tissue is still developing, and the elderly, who may have serious health problems that can be aggravated by exposure to diesel particulate matter. Exposure from diesel exhaust associated with construction activity contributes to both cancer and chronic non-cancer health risks.

According to the BAAQMD, a project would result in a significant impact if it would: individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10.0 in one million, increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute), or an annual average ambient $PM_{2.5}$ increase greater than 0.3 micrograms per cubic meter ($\mu g/m^3$). A significant cumulative impact would occur if the project in combination with other projects located within a 1,000-foot radius of the project site would expose sensitive receptors to TACs resulting in an increased cancer risk greater than 100.0 in one million, an increased non-cancer risk of greater than 10.0 on the hazard index (chronic), or an ambient $PM_{2.5}$ increase greater than 0.8 $\mu g/m^3$ on an annual average basis. Impacts from substantial pollutant concentrations are discussed below.

[12] Ibid.

Construction of the proposed project may expose nearby sensitive receptors to airborne particulates, as well as a small quantity of construction equipment pollutants (i.e., usually diesel-fueled vehicles and equipment). However, construction contractors would be required to implement the BAAQMD Basic Construction Mitigation Measures. With implementation of the Basic Construction Mitigation Measures, project construction emissions would be below BAAQMD significance thresholds. Once the project is constructed, the project would not be a source of substantial emissions.

High volume roadways in the project vicinity could expose future residents on the project site to TACs. While the impacts of the existing environment on a project are not considered to be significant effects under CEQA, an analysis of potential exposure of future residents of the site to substantial pollutant concentrations is provided for informational purposes. The project site is located approximately 510 feet east of I-680. Based on the BAAQMD Highway Screening Analysis Tool, the proposed project would be exposed to an inhalation cancer risk of 15.761 in 1 million, which would exceed the threshold of 10 in 1 million. The maximum chronic Hazard Index would be 0.015 and the maximum acute Hazard Index would be 0.012, which would both be below the BAAQMD significance threshold of 1.0. The tool also indicates that the maximum $PM_{2.5}$ concentration would be 0.121 µg/m^3, which is also below the BAAQMD significance threshold of 0.3 µg/m^3. Therefore, mitigation would be required to reduce potential health risks associated with traffic on nearby I-680 to a less-than-significant level. Therefore, the following condition of approval is recommended to be incorporated into the proposed project design.

Project-Specific Recommended Condition of Approval AIR-1: The following measures shall be required to reduce TACs and particulate matter indoors to a level sufficient to achieve compliance with BAAQMD health risk thresholds:

- The project applicant shall provide an heating, ventilation, and air conditioning (HVAC) system with a control efficiency sufficient to result in a reduction of a minimum 75.0 percent of particulates of 2.5 microns or less, such as Minimum Efficiency Reporting Value (MERV)-12 filters or greater, for indoor air filtration systems. The ventilation system shall be certified to achieve the stated performance effectiveness from indoor areas.

- The project applicant shall locate all air intakes as far away from I-680 as feasible.

- The project applicant shall disclose to potential occupants of the project that the proximity of the project site to the freeway could result in increased long-term health risks. The disclosure shall indicate the specifications for the installed air filtration system.

Implementation of Mitigation Measure AIR-2 would reduce the inhalation cancer risk of 3.94 in 1 million, which would be below the BAAQMD cancer risk threshold of 10 in one million. Therefore, with implementation of Mitigation Measure AIR-2, traffic on I-680 would not expose future residents of the project site to health risk levels that would exceed the criteria established by the BAAQMD. Therefore, with implementation of Mitigation Measure AIR-2, sensitive receptors would not expected to be exposed to substantial pollutant concentrations during project construction or operation, and potential impacts would be considered less than significant with mitigation incorporated.

d. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? ***(Less-Than-Significant Impact)***

During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, objectionable odors affecting a substantial number of people would not occur as a result of the project and this impact would be less than significant.

4.4 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☒	☐	☐
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☒	☐

a. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? ***(Less-Than-Significant Impact)***

A field survey of the project site was conducted by a qualified biologist on April 23, 2019. Prior to conducting the survey, LSA searched the California Natural Diversity Database (CNDDB)[13] for occurrence records of special-status species in the project region. The CNDDB search was conducted for an area with a 2-mile radius centered on the project site. In addition, LSA searched the California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants[14] for occurrence records of special-status plants within the United States Geological Survey (USGS) 7.5 minute Milpitas Quad

[13] California Department of Fish and Wildlife, 2019. *California Natural Diversity Database, Commercial Version, April 22, 2019.* California Department of Fish and Wildlife, Biogeographic Data Branch, Sacramento, California.

[14] California Native Plant Society, 2019. Rare Plant Program, Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website: www.rareplants.cnps.org (accessed April 25, 2019).

within which the project site is located. The one quad (Milpitas Quad) search was considered acceptable due to the small size, urban setting, and uniform and highly disturbed habitat of the project site. Field observations including all plant and animal species observed on the project site were recorded in a field notebook. Habitats and trees on the project site were documented with digital photography.

Vegetation on the project site is dominated by dense stands of ruderal growth (2 to 3 feet in height) dominated by non-native grasses including wild oat (*Avena* sp.), rip-gut brome (*Bromus diandrus*), rye grass (*Festuca perennis*), Mediterranean barley (*Hordeum marinum*), and forbs including field mustard (*Brassica rapa*), and radish (*Raphanus sativus*). Non-native trees present on the project site include single silver dollar gum (*Eucalyptus polyanthemos*), red iron bark (*E. sideroxylon*), and scattered walnut (*Juglans* sp.) and plum trees (*Prunus* sp.). A small coast live oak (*Quercus agrifolia*), a native tree species, is also growing adjacent to the house. No wetlands, ponds, creeks or ditches were observed on the site.

Soils on the project site include Alt-Altamont complex 15 to 20 percent slopes, a clay to silty clay soil; Urbanland-Cropley complex 0 to 2 percent slopes, a clay to sandy clay loam soil; and Urbanland-Cropley complex 2 to 9 percent slopes, a clay to sandy clay loam soil.[15] These soils are non-hydric and are not alkaline and ponding does not occur.

Wildlife observed on the project site included Anna's hummingbird (*Calypte anna*), house finch (*Haemorhous mexicanus*), lesser goldfinch (*Spinus psaltria*), red-winged blackbird (*Agelaius phoeniceus*), and California ground squirrel (*Otospermophilus beecheyi*). All of these species are common in rural/urban interface habitats in the Bay Area.

Special-status species are defined as follows:

- Species that are listed, formally proposed for listing, or designated as candidates for listing as threatened or endangered under the federal Endangered Species Act (ESA);
- Species that are listed, or designated as candidates for listing, as rare, threatened, or endangered under the California Endangered Species Act (CESA);
- Plant species on California Rare Plant Rank (CRPR) Lists 1A, 1B, and 2 in the CNPS Inventory of Rare and Endangered Plants;
- Animal species designated as Species of Special Concern or Fully Protected by the California Department of Fish and Wildlife (CDFW);
- Species that meet the definition of rare, threatened, or endangered under Section 15380 of the CEQA guidelines; and
- Species considered being a taxon of special concern by the relevant local agencies.

[15] United States Department of Agriculture. Web Soil Survey (website). Website: websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (accessed May 3, 2019).

Based on the results of the database searches, observed habitat conditions and LSA's knowledge of biological resources in Santa Clara County, LSA identified 17 special-status species (12 plants and 5 animals) as potentially occurring in the project vicinity (Table 4.C). As described in Table 4.C, none of these species are likely to occur on the project site due to the lack of suitable habitat and/or on-going habitat disturbance through annual disking. Therefore, the proposed project would not have a substantial adverse effect on any special-status plant or wildlife species.

Table 4.C: Special-Status Species Evaluated

Species/Common and Scientific Name	Status* (Fed/State/Other)	Habitat Requirements	Analysis
Plants			
Alkali milk-vetch *Astragalus tener* var. *tener*	--/--1B	Playas, valley and foothill grassland, and vernal pools on adobe clay soils. Annual herb, blooms March to June.	There is a single CNDDB record within 2 miles of the project site; however, suitable habitat (i.e., playa and vernal post, adobe clay soils) is not present on the project site and this species would not occur.
Brittlescale *Atriplex depressa*	--/--/1B	Alkaline, clay soils in chenopod scrub, meadows and seeps, playas, grassland, vernal pools. . Annual herb, blooms April to October.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but alkaline soils and associated mesic habitats such as seeps and vernal pools not present on the project site. This species would not occur.
Lesser saltscale *Atriplex minuscula*		Alkaline, sandy soils in chenopod scrub, playas, grassland. Annual herb, blooms May to October.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but alkaline soils are absent. This species would not occur.
Congdon's tarplant *Centromadia parryi* ssp. *congdonii*	--/--1B	Valley and foothill grassland on alkaline soils. Annual herb, blooms May through October.	There is a single CNDDB record within 2 miles of the project site; however, grasslands on alkaline soils are not present on the project site. This species would not occur.
Point Reyes bird's beak *Cordylanthus maritimus* ssp. *palustris*	--/--1B	Coastal salt marshes and swamps. Annual herb (hemiparasitic). Blooms June through October.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but absence of salt marshes and swamps preclude the presence of this species on the project site. This species would not occur.
San Joaquin spearscale *Extriplex joaquinana*	--/--1B	Chenopod scrub, meadows, seeps, and playas in valley and foothill grassland on alkaline soils. Annual herb, blooms April through October.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but suitable habitats, including alkaline soils, do not occur on the project site. This species would not occur.

Table 4.C: Special-Status Species Evaluated

Species/Common and Scientific Name	Status* (Fed/State/Other)	Habitat Requirements	Analysis
Hoover's button-celery *Eryngium aristulatum* var. *hooveri*	--/--1B	Vernal pools. Annual/perennial herb, blooms primarily in July sometimes in June or August.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but absence of vernal pools preclude the presence of this species on the project site. This species would not occur.
Contra Costa goldfields *Lasthenia conjugens*	FE/--/1B	Mesic areas in cismontane woodland, playas (alkaline), grassland, and vernal pools. Annual herb, blooms March through June.	Occurrences known within the USGS Milpitas Quad (CNPS 2019), but absence of mesic and alkaline condition preclude the presence of this species on the project site. This species would not occur.
Prostrate vernal pool navarretia *Navarretia prostrata*	--/--1B	Mesic areas in coastal scrub, meadows and seeps, grassland with alkaline soils, vernal pools. Annual herb, blooms April through July.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but absence of mesic and alkaline condition preclude the presence of this species on the project site. This species would not occur.
California alkali grass *Puccinellia simplex*	--/--1B	Alkaline, vernally mesic; sinks, flats, and lake margins, chenopod scrub, meadows and seeps, grasslands, vernal pools. Annual herb, blooms March through May.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but absence of mesic and alkaline condition preclude the presence of this species on the project site. This species would not occur.
California seablite *Suaeda californica*	FE/--/1B	Coast salt marshes and swamps. Perennial evergreen shrub, blooms July through October.	This perennial evergreen shrub was not observed on the project site. Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but absence of salt marsh/swamp preclude the presence of this species on the project site. This species would not occur.
Saline clover *Trifolium hydrophilum*	--/--1B	Marshes and swamps, mesic grassland, vernal pools. Annual herb, blooms April through June.	Occurrences are known within the USGS Milpitas Quad (CNPS 2019), but absence of mesic and habitat/condition preclude the presence of this species on the project site. This species would not occur.

Table 4.C: Special-Status Species Evaluated

Species/Common and Scientific Name	Status* (Fed/State/Other)	Habitat Requirements	Analysis
Animals			
California tiger salamander *Ambystoma californiense*	FT/ST/--	Breeds in temporary pools (e.g., vernal pools) and ponds and occupies rodent burrows in grasslands, open valley oak and coast live oak woodland, and grassland chaparral mosaic. These salamanders migrate from their underground retreats to breeding ponds during periods of heavy winter rains.	There is a CNDDB occurrence 1.7 miles to the northeast of the project site. The maximum documented dispersal distance from breeding ponds is 1.3 miles and studies have shown that juveniles and adults routinely move 0.62 miles. Due to the lack of aquatic features on or within known dispersal distance (1.3 miles) to the project site that provide suitable breeding habitat preclude the presence of this species on the project site. Additionally, the annual disking, limited presence of ground squirrel burrows, and urban setting greatly reduce the suitability of the site as upland habitat. This species would not occur.
Alameda striped racer *Masticophis lateralis euryxanthus*	FT/ST/--	This species occurs in coastal scrub, chaparral, often with rocky outcrops, and grassland adjacent to these habitats.	Coastal scrub, chaparral, and/or rock outcrops are not present on or adjacent to the project site and the surrounding area is primarily residential housing and roadways. This species would not occur.
Western yellow-billed cuckoo *Coccyzus americanus occidentalis*	FT/SE/--	Neotropical migrant, nests in well-developed riparian woodland dominated by cottonwoods and willows.	This species formerly nested in Santa Clara County[16] and there is a historical record from 1899 within 2 miles of the project site. However, this species is now considered extirpated from the County and suitable habitat is not present on or adjacent to the project site. This species would not occur.

[16] Bousman, W.C., 2007. *Breeding Bird Atlas of Santa Clara County.* Santa Clara Audubon Society, Cupertino, California.

Table 4.C: Special-Status Species Evaluated

Species/Common and Scientific Name	Status* (Fed/State/Other)	Habitat Requirements	Analysis
Burrowing owl *Athene cunicularia*	--/--/SSC	Open, dry annual grasslands; deserts and scrublands with mammal burrows (e.g., ground squirrels) for nest sites and retreats and adjacent habitat supporting large insects and/or small mammal populations for foraging. Areas supporting of dense/tall ruderal growth or grasses are not suitable nesting habitat for burrowing owls.	Burrowing owls are resident in northwestern Santa Clara County[17]; however, there are no CNDDB records within two miles of the project site and they would be unlikely to nest or forage on the project site due to dense ruderal vegetation cover. The project site is within the Potential Burrowing Owl Nesting/ Overwintering Habitat Depending on Site Specific Conditions.
Tricolored blackbird *Agelaius tricolor*	--/ST/SSC	Nests colonially in marshes, but will also use dense stands of tall weedy vegetation, including blackberry, in upland areas near open accessible water for nesting. Nesting colonies require abundant populations of large insects in nearby grassland or agricultural landscapes.	This species is known to have nested in the Milpitas area[18]; however, the project site does not support suitable nesting habitat for this species and adjacent areas, including roadways, residential development, and disked fields does not provide suitable foraging habitat. In addition, an accessible source of open water is not located nearby. The tricolored blackbird would not occur as a nesting species.
Salt-marsh Harvest Mouse *Reithrodontomys raviventris*	FE/SE/--	Saltmarsh often dominated by pickleweed (*Salicornia* sp.) and adjacent fringing uplands.	The project site does not support saltmarsh and is not adjacent to saltmarsh, therefore this species would not occur.

*Status: Federal = Federal Listed Endangered (FE), Federal Listed Threatened (FT); State = State Listed Endangered (SE), State Listed Threatened (ST); other = California Rare Plant Rank (1B, 2B), California Department of Fish and Wildlife Special Animals List (SSC).

b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? ***(No Impact)***

The CDFW tracks the occurrences of natural plant communities that are of limited distribution Statewide or within a county or region and are often vulnerable to environmental effects of projects. In the CDFW's Natural Communities List,[19] vegetation alliances with State rarity rankings of

17 Ibid.
18 Ibid.
19 California Department of Fish and Wildlife, 2018. California Natural Communities List. Website: nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=153398&inline (accessed June 12, 2019).

S1–S3 are considered "highly imperiled" and project impacts to "high-quality occurrences" of these alliances could be considered significant under CEQA. Most types of wetlands and riparian communities are also considered special-status natural communities due to their limited distribution in California. The project site does not support riparian habitat or any other sensitive natural communities. Therefore, the proposed project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community, and no impact would occur.

c. Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? ***(No Impact)***

There are no jurisdictional features on the project site as indicated by the lack of wetland indicators including hydric soils, hydrology, and plants typical of wetland habitats. Therefore, no impact related to federally protected wetlands would occur.

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? ***(Less-Than-Significant with Mitigation Incorporated)***

The project site is located in a suburban landscape, surrounded on three sides by residential development and a roadway. The project site is not located within any natural habitat or landscape feature (i.e., undeveloped drainage or ridgeline) that would facilitate regional wildlife movement. Mid-sized urban mammal species such as striped skunks (*Mephitis mephitis*) likely use the project site for local movement and foraging; however, based on the location of the project site it is not expected to be important for local or regional wildlife movement. No wildlife nursery sites are located on or adjacent to the project site; however, four singing male red-winged blackbirds were observed on the project indicating that nesting by native and migratory birds is likely. No raptor nests were observed in the trees on the project site or in areas adjacent to the project site.

Trees and areas of tall grass on the project site provide potential nesting habitat for various native bird species protected under the federal Migratory Bird Treaty Act and California Fish and Game Code, including the Anna's hummingbird, house finch, and red-winged blackbird observed on the project site during the field survey.

Therefore, if the vegetation clearing and/or construction activities are scheduled during the nesting bird season (February 1 through August 31), active nests (i.e., nests containing viable eggs or young) of native birds could be impacted directly through the destruction of nests, mortality of young, and removal of habitat. Indirect impacts may occur through noise and disturbance generated by construction activities that result in nest abandonment. Implementation of Mitigation Measure BIO-1, described below, would ensure significant impacts to nesting birds during construction are reduced by limiting construction to the period outside of the nesting season or requiring pre-construction nesting bird surveys.

Mitigation Measure BIO-1: To the extent feasible, vegetation removal shall be conducted during the non-nesting season for birds (i.e., between September 1 and January 31). If vegetation removal occurs during the nesting season (February 1 to August 31), suitable nesting habitat within the project site shall be surveyed by a qualified biologist (biologist) no more than 14 days prior to ground disturbing/vegetation removal activities and again within 2 days (48 hours) of such activities. Areas outside the project site shall not be surveyed for active nests unless nests are visible from the project site.

If an active nest is found, the biologist shall identify a no-work buffer around the nest until the young have fledged or the nest has otherwise become inactive. The minimum buffer should be 25 feet, but this distance may be modified due to site-specific conditions. Buffer distances for bird nests would be site specific and an appropriate distance, as determined by the biologist. The buffer distances shall be specified to protect the bird's normal behavior to prevent nesting failure or abandonment. The buffer distance recommendation shall be developed after field investigations that evaluate the bird(s) apparent distress in the presence of people or equipment at various distances. Abnormal nesting behaviors that may cause reproductive harm include, but are not limited to, defensive flights/vocalizations directed toward project personnel, standing up from a brooding position, and/or flying away from the nest. The biologist shall have the authority to stop project activities if a bird exhibits abnormal behavior that may cause reproductive failure such as nest abandonment and loss of eggs and/or young until an appropriate buffer is established.

The qualified biologist shall monitor at least weekly the behavior of the adult and young birds, when present, at the nest site to ensure that they are not disturbed by project work. Nest monitoring shall continue during project work until the young have fully fledged and have completely left the nest site and are no longer being fed by the parents, as determined by the qualified biologist.

If necessary, the biologist shall consult with CDFW regarding appropriate action to comply with the California Fish and Game Code. If a lapse in project-related work of 7 days or longer occurs, another focused nest survey shall be required before project work resumes.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? ***(Less-Than-Significant with Mitigation Incorporated)***

The proposed project would likely require the removal of several trees. The City of Milpitas regulates the removal of trees; heritage and protected trees are specified in the City of Milpitas Tree Preservation Ordinance and a permit is required to remove such trees.

A heritage tree is defined as:

- An outstanding specimen or grove of a desirable species;
- One of the largest or oldest trees or grove of trees in Milpitas; or

- A tree or grove of trees possessing distinctive form, size, age, location and/or historical significance.

It is illegal to prune or remove a heritage tree without first consulting the Planning Department and obtaining a permit. None of the trees present on the project site meet the City's definition of a heritage trees.

A protected tree is defined as:

- Residential Lots: all trees which have a 56-inch or greater circumference of any trunk measured 4.5 feet from the ground.
- Commercial/Industrial Lots: all trees which have a 37-inch or greater circumference of any trunk measured 4.5 feet from the ground.
- Zoning/Subdivision: All trees which have a 37-inch or greater circumference of any trunk measured 4.5 feet from the ground.
- Vacant Lots (Undeveloped): All trees which have a 3-inch or greater circumference of any trunk measured 4.5 feet from the ground.

All the trees on the property are 3-inches or greater in circumference at 4.5 feet above ground. Therefore, because the project site is a vacant lot, each tree would be protected and require a tree removal permit. Implementation of Mitigation Measure BIO-2 would ensure that this impact would be less-than-significant.

> **Mitigation Measure BIO-2:** Prior to the issuance of a demolition or grading permit, the Planning Director, or designated Planning Department staff person, shall confirm that the project applicant has obtained a tree removal permit for any tree to be removed from the project site and has complied with the City of Milpitas Tree Preservation Ordinance.

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? ***(Less-Than-Significant Impact)***

The project site is not located within the Santa Clara Valley Habitat Plan (SCV HCP) area. The site is within the expanded study area boundary for burrowing owl conservation and in an area delineated as having a high potential to increase burrowing owl nesting population. However, as noted in Table 4.C above, the dense coverage of non-native grasses, scarcity of California ground squirrels, and the on-going annual disking make it unlikely that nesting or wintering burrowing owls would occur on the project site. Therefore, the proposed project would not conflict with the provisions of the SCV HCP, and this impact would be less than significant.

4.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

a. Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5? ***(Less-Than-Significant with Mitigation Incorporated)***

For a cultural resource to be considered a historical resource (i.e., eligible for listing in the California Register of Historical Resources), it generally must be 50 years or older. Under CEQA, historical resources can include precontact (i.e., Native American) archaeological deposits, historic-period archaeological deposits, historic buildings, and historic districts.

To identify historical resources on the project site, the following tasks were completed: (1) a records search was conducted at the Northwest Information Center (NWIC) of the California Historical Resources Information System;[20] (2) relevant literature and historical maps were reviewed to assess the potential for buried historic-period and precontact Native American archaeological deposits; and (3) an archaeologist surveyed the project site to identify surface evidence of archaeological deposits. The results of these tasks are described in greater detail in a letter report of findings prepared for the project and are summarized below.[21]

No built-environment historical resources are at the project site. The City has determined that the circa 1966 single-family residence at the property neither qualifies for listing in the California Register of Historical Resources, nor qualifies for the local Cultural Resources Register.

No archaeological historical resources were identified at the project site. Furthermore, the potential to unearth buried precontact and historic-period archaeological deposits is low as the Pleistocene-age surface of the project site was formed at a time prior to human habitation of the region, and historical maps and aerial photographs do not indicate use of the property until circa 1940. Although no archaeological deposits that qualify as historical resources were identified at the project site, the potential for such resources cannot be discounted. If significant archaeological deposits were unearthed during project construction, a substantial adverse change in the significance of a historical resource would occur from its demolition, destruction, relocation, or alteration such that the significance of the resource would be materially impaired pursuant to CEQA Guidelines Section

[20] The NWIC is an affiliate of the State of California Office of Historic Preservation and is the official State repository of cultural resources records and reports for Santa Clara County.

[21] Jones, E. Timothy, 2019. *Archaeological Assessment for the 1005 North Park Victoria Project, Milpitas, Santa Clara County, California*. LSA, Point Richmond, California. May 13.

15064.5(b)(1). With implementation of the following mitigation measure, potential impacts to archaeological historical resources would be reduced to a less-than-significant level.

Mitigation Measure CULT-1: Should an archaeological deposit be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology contacted to assess the situation, determine if the deposit qualifies as a historical resource, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. If the deposit is found to be significant (i.e., eligible for listing in the California Register of Historical Resources), the applicant shall be responsible for funding and implementing appropriate mitigation measures. Mitigation measures may include recordation of the archaeological deposit, data recovery and analysis, and public outreach regarding the scientific and cultural importance of the discovery. Upon completion of the selected mitigations, a report documenting methods and findings shall be prepared and submitted to the City for review, and the final report shall be submitted to the Northwest Information Center at Sonoma State University. Significant archaeological materials shall be submitted to an appropriate curation facility and used for public interpretive displays, as appropriate and in coordination with a local Native American tribal representative.

The applicant shall inform its contractor(s) of the sensitivity of the project area for archaeological deposits and shall verify that the following directive has been included in the appropriate contract documents:

"The subsurface of the construction site may be sensitive for Native American archaeological deposits. If archaeological deposits are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist contacted to assess the situation, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any archaeological materials. Archaeological deposits can include shellfish remains; bones; flakes of, and tools made from, obsidian, chert, and basalt; and mortars and pestles. Contractor acknowledges and understands that excavation or removal of archaeological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5."

Work stoppage in the event of an archaeological discovery would ensure that: (1) if archaeological cultural resources are identified during excavation, these would be evaluated, documented, and studied in accordance with standard archaeological practice; and (2) archaeological deposits and human remains would be treated in accordance with appropriate State codes and regulations. As such, implementation of the above mitigation measures would reduce the project's potential impacts to archaeological historical resources to a less-than-significant level.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? ***(Less-Than-Significant with Mitigation Incorporated)***

Pursuant to CEQA Guidelines Section 15064.5(c)(1), "When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource." Those archaeological sites that do not qualify as historical resources shall be assessed to determine if they

qualify as "unique archaeological resources" pursuant to California Public Resource Code Section 21083.2. Archaeological deposits identified during project construction would be treated by the City and applicant—in consultation with a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology—in accordance with Mitigation Measure CULT-1. With implementation of this mitigation measure, the project's potential impacts on archaeological resources would be less than significant.

c. Would the project disturb any humans remains, including those interred outside of formal cemeteries? ***(Less-Than-Significant Impact)***

There are no known human remains at the project site. In the event that human remains are identified during project construction, these remains would be treated in accordance with Section 7050.5 of the California Health and Safety Code and Section 5097.98 of the Public Resources Code, as appropriate.

Section 7050.5 of the California Health and Safety Code states that, in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the remains are discovered has determined whether or not the remains are subject to the coroner's authority. If the human remains are of Native American origin, the coroner must notify the California Native American Heritage Commission (NAHC) within 24 hours of this identification. The NAHC will identify a Native American Most Likely Descendent (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.

Section 5097.98 of the Public Resources Code states that the NAHC, upon notification of the discovery of Native American human remains pursuant to Health and Safety Code Section 7050.5, shall immediately notify those persons (i.e., the MLD) it believes to be descended from the deceased. With permission of the landowner or a designated representative, the MLD may inspect the remains and any associated cultural materials and make recommendations for treatment or disposition of the remains and associated grave goods. The MLD shall provide recommendations or preferences for treatment of the remains and associated cultural materials within 48 hours of being granted access to the site. With these regulations in place, no impact on human remains is anticipated, and no mitigation is necessary.

4.6 ENERGY

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

a. Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation? ***(Less-Than-Significant Impact)***

The proposed project would increase the demand for electricity, natural gas, and gasoline. The discussion and analysis provided below is based on data included in the CalEEMod output, which is included in Appendix A.

Construction-Period Energy Use. The anticipated construction schedule assumes that the proposed project would be built over 1.5 to 2 years. The proposed project would require grading, site preparation, and building activities during construction.

Construction of the proposed project would require energy for the manufacture and transportation of construction materials, preparation of the site for demolition and grading activities, and construction of the residences. Petroleum fuels (e.g., diesel and gasoline) would be the primary sources of energy for these activities. In order to increase energy efficiency on the site during project construction, the project would restrict equipment idling times to 5 minutes or less and would require construction workers to shut off idle equipment, as required by Mitigation Measure AIR-1. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. Energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the State's available energy sources. Therefore, construction energy impacts would be less than significant.

Operational Energy Use. Energy use consumed by the proposed project would be associated with natural gas use, electricity consumption, and fuel used for vehicle trips associated with the project. Energy and natural gas consumption was estimated for the project using default energy intensities by building type in CalEEMod. In addition, the proposed buildings would be constructed to CALGreen standards, which was included in CalEEMod inputs. Electricity and natural gas usage estimates associated with the proposed project are shown in Table 4.D.

In addition, the proposed project would result in energy usage associated with gasoline to fuel project-related trips. Based on the CalEEMod analysis, the proposed project would result in

approximately 750,401 vehicle miles traveled (VMT) per year. The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.0 mpg in 2015.[22] Therefore, using the USEPA fuel economy estimates for 2015, the proposed project would result in the consumption of approximately 34,109 gallons of gasoline per year. Table 4.D, below, shows the estimated potential increased electricity and natural gas demand associated with the proposed project.

Table 4.D: Estimated Annual Energy Use of Proposed Project

Land Use	Electricity Use (kWh per year)	Natural Gas Use (therms per year)	Gasoline (gallons per year)
Single Family Residential	291,261	10,466	34,109

Source: LSA (May 2019).

As shown in Table 4.D, the estimated potential increased electricity demand associated with the proposed project is 291,261 kilowatt-hours (kWh) per year. In 2017, California consumed approximately 288,614 gigawatt-hours (GWh) or 288,614,000,000 kWh.[23] Of this total, Santa Clara County consumed 17,189 GWh or 17,189,540,000 kWh.[24] Therefore, electricity demand associated with the proposed project would be less than 0.01 percent of Santa Clara County's total electricity demand.

The estimated potential increased natural gas demand associated with the proposed project is 10,466 therms per year, as shown in Table 4.D. In 2017, California consumed approximately 12,571 million therms or 12,571,000,000 therms, while Santa Clara County consumed approximately 445 million therms or approximately 445,979,800 therms.[25] Therefore, natural gas demand associated with the proposed project would be less than 0.01 percent of Santa Clara County's total natural gas demand.

In addition, the proposed project would result in energy usage associated with gasoline to fuel project-related trips. As shown above in Table 4.D, vehicle trips associated with the proposed project would consume approximately 34,109 gallons of gasoline per year. In 2015, vehicles in California consumed approximately 15.1 billion gallons of gasoline.[26] Therefore, gasoline demand generated by vehicle trips associated with the proposed project would be a minimal fraction of gasoline and diesel fuel consumption in California.

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22 U.S. Department of Transportation, 2017. "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: www.bts.gov/archive/publications/national_transportation_statistics/table_04_23 (accessed June 12, 2019).

23 California Energy Commission, 2017. Energy Consumption Data Management Service. Electricity Consumption by County. Website: www.ecdms.energy.ca.gov/elecbycounty.aspx (accessed June 12, 2019).

24 Ibid.

25 California Energy Commission, 2017. Energy Consumption Data Management Service. Gas Consumption by County. Website: www.ecdms.energy.ca.gov/gasbycounty.aspx (accessed June 12, 2019).

26 California Energy Commission, 2017. California Gasoline Data, Facts, and Statistics. Website: www.energy.ca.gov/almanac/transportation_data/gasoline (accessed June 12, 2019).

The proposed project would be constructed to CALGreen standards, which would help to reduce energy and natural gas consumption. Therefore, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy or energy efficiency measures into building design, equipment use, and transportation. Construction and operation period impacts related to consumption of energy resources would be less than significant.

b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? ***(Less-Than-Significant Impact)***

In 2002, the Legislature passed Senate Bill 1389, which required the California Energy Commission (CEC) to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels, for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission (ZE) vehicles and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC recently adopted the 2017 Integrated Energy Policy Report.[27] The 2017 Integrated Energy Policy Report provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs. The 2017 Integrated Energy Policy Report covers a broad range of topics, including implementation of Senate Bill 350, integrated resource planning, distributed energy resources, transportation electrification, solutions to increase resiliency in the electricity sector, energy efficiency, transportation electrification, barriers faced by disadvantaged communities, demand response, transmission and landscape-scale planning, the California Energy Demand Preliminary Forecast, the preliminary transportation energy demand forecast, renewable gas (in response to Senate Bill 1383), updates on Southern California electricity reliability, natural gas outlook, and climate adaptation and resiliency.

As indicated above, energy usage on the project site during construction would be temporary in nature. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the State's available energy sources and energy impacts would be negligible at the regional level. Because California's energy conservation planning actions are conducted at a regional level, and because the project's total impact to regional energy supplies would be minor, the proposed project would not conflict with California's energy conservation plans as described in the CEC's 2017 Integrated Energy Policy Report. Thus, as shown above, the project would avoid or reduce the inefficient, wasteful, and unnecessary consumption of energy and not result in any irreversible or irretrievable commitments of energy. Therefore, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation and this impact would be less than significant.

[27] California Energy Commission, 2017. *2017 Integrated Energy Policy Report*. California Energy Commission. Publication Number: CEC-100-2017-001-CMF.

4.7 GEOLOGY AND SOILS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv. Landslides?	☐	☐	☒	☐
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

Unless otherwise noted, the following analysis is based on the Geotechnical Investigation prepared for the proposed project by Geo-Logic Associates dated May 17, 2018.[28]

a. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. ***(Less-Than-Significant Impact)***

Fault rupture is generally expected to occur along active fault traces that have exhibited signs of recent geological movement (i.e., within the last 11,000 years). Alquist-Priolo Earthquake Fault Zones delineate areas around active faults with potential surface fault rupture hazards that would require specific geological investigations prior to approval of certain kinds of

[28] Geo-Logic Associates, 2018. *Geotechnical Investigation for Residential Development at 1005 North Park Victoria, Milpitas, California.* May 17.

development within the delineated area. A portion of the site is located within an Earthquake Fault Zone established for the Crosley fault (the southern-most extension on the Hayward fault). A fault investigation in 2015 found that no visible offset or deformation that may be indicators of Holocene (active) faulting on the project site were present, and that the project site can be regarded as clear of any fault that would need to be addressed under the Alquist Priolo Special Studies Act.[29,30] Therefore, the proposed project would not directly or indirectly cause substantial adverse effects related to fault rupture, and this impact would be less than significant.

ii. Strong seismic ground shaking? ***(Less-Than-Significant Impact)***

The project site is located in the San Francisco Bay Area, a region of intense seismic activity. Ground shaking is likely to occur within the life of the project as a result of future earthquakes. The Crosley fault is located approximately 100 to 800 feet east of the project site, and the Hayward fault is located approximately 0.3 mile northeast of the project site. Other active faults within the area that are likely to produce large earthquakes include the Calaveras, located 4.5 miles northeast, Monte Vista-Shannon, located 13.5 miles southwest, San Andreas, located 17 miles southwest, and San Gregorio, located 30 miles southwest. Due to the location of the project site in a seismically active area, strong seismic ground shaking at the site is highly probable during the life of the project. The intensity of ground shaking would depend on the characteristics of the fault, distance from the fault, the earthquake magnitude and duration, and site-specific geologic conditions. Conformance with the California Building Code (CBC) would ensure potential impacts associated with strong seismic ground shaking would be reduced to a less-than-significant level.

iii. Seismic-related ground failure, including liquefaction? ***(Less-Than-Significant Impact)***

Soil liquefaction is a phenomenon primarily associated with saturated soil layers located close to the ground surface. During ground shaking, these soils lose strength and acquire “mobility” sufficient to permit both horizontal and vertical movements. Soils that are most susceptible to liquefaction are clean, loose, uniformly graded, saturated, fine-grained sands that lie relatively close to the ground surface. However, loose sands that contain a significant amount of fines (i.e., silt and clay) may also liquefy. Based on results of soil testing, the project site appears to have a low potential for soil liquefaction. In addition, compliance with the CBC would ensure impacts related to liquefaction would be less than significant.

iv. Landslides? ***(Less-Than-Significant Impact)***

The upslope area to the east of the project site appears to consist of a series of nested, coalescing landslides. Although there is no evidence that landslides exist on the project site, the alluvial fan deposits on the site may be acting as a buttress to the landslides upslope of the site.

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29 Geo-Logic Associates, 2015. *Alquist Priolo Special Studies Zone Investigation for 1005 North Park Victoria Drive, Milpitas, California.* August 18.

30 Norfleet Consultants, 2015. *Review of Alquist Priolo Special Studies Zone Investigation for 1005 North Park Victoria Drive, Milpitas, California.* August 19.

The proposed project would implement recommendations included in the Geotechnical Investigation, which would include permanent cuts being minimized and balancing cut and fill conditions where permanent cuts are necessary. Therefore, the potential of the proposed project to exposure people or structures to risk as a result of landslides would be less than significant.

b. Would the project result in substantial soil erosion or the loss of topsoil? ***(Less-Than-Significant Impact)***

Topsoil is defined as the upper part of the soil profile that is relatively rich in humus and is technically known as the A-horizon of the soil profile.[31] Grading and earthmoving during project construction has the potential to result in erosion and loss of topsoil. Exposed soils could be entrained in stormwater runoff and transported off the project site. However, this impact would be reduced to a less-than-significant level through compliance with water quality control measures, which include preparation of a Stormwater Pollution Prevention Plan (SWPPP) (refer to Section 4.10, Hydrology and Water Quality). Although designed primarily to protect stormwater quality, the SWPPP would incorporate Best Management Practices (BMPs) to minimize erosion. Additional details regarding the SWPPP are provided in Section 4.10, Hydrology and Water Quality of this Initial Study.

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? ***(Less-Than-Significant Impact)***

As discussed in Section 4.7.a, site soils would not be subject to lateral spreading or liquefaction, but could be subject to landslides. However, compliance with the recommendations contained in the Geotechnical Investigation and compliance with the requirements of the CBC would ensure that potential risks to people and structures as a result of liquefaction would be reduced to a less-than-significant level. Therefore, the proposed project would not result in impacts associated with unstable geologic conditions.

d. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property? ***(Less-Than-Significant Impact)***

Expansive soils are characterized by the potential for shrinking and swelling as the moisture content of the soil decreases and increases, respectively. Shrink-swell potential is influenced by the amount and type of clay minerals present and can be measured by the percent change of the soil volume. Testing at the project site indicates that soils on the project site have high expansion potential. The Geotechnical Investigation recommends that the upper 30 inches of soil below design grade in the proposed building and concrete slab-on-grade areas should be moisture conditioned with controlled compaction and the building foundations and concrete slabs-on-grade should be constructed on a 12-inch minimum thick layer of “non-expansive” fill. In addition, adherence to the CBC requirements

[31] California State Mining and Geology Board, 2014. Surface Mining Reclamation Act Regulations. California Code of Regulations, Title 14, Division 2, Chapter 8, Subchapter 1.

would further ensure that geotechnical design of the proposed project would further reduce potential impacts related to expansive soils to a less-than-significant level. Therefore, because the proposed project would implement the recommendations of the Geotechnical Investigation and comply with CBC requirements, this impact would be less than significant.

e. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? ***(No Impact)***

The proposed project would connect to the City's wastewater conveyance system. On-site treatment and disposal of wastewater is not proposed for the project; therefore, the proposed project would have no impacts associated with soils incapable of supporting alternative wastewater disposal systems.

f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? ***(Less-Than-Significant Impact)***

Although no paleontological resources or unique geological features are known to exist within or near the project site, according to the locality search through the University of California Museum of Paleontology (UCMP) at the University of California, Berkeley, there are 10 known localities from Pleistocene deposits within Santa Clara County which have produced 34 specimens of vertebrates and invertebrates. Therefore, the possibility of accidental discovery of paleontological resources during project construction cannot be discounted. Therefore, implementation of Mitigation Measure GEO-1, described below, would reduce potential impacts to paleontological resources to a less-than-significant level.

> **Mitigation Measure GEO-1:** Should paleontological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. For purposes of this mitigation, a "qualified paleontologist" shall be an individual with the following qualifications: (1) a graduate degree in paleontology or geology and/or a person with a demonstrated publication record in peer-reviewed paleontological journals; (2) at least two years of professional experience related to paleontology; (3) proficiency in recognizing fossils in the field and determining their significance; (4) expertise in local geology, stratigraphy, and biostratigraphy; and (5) experience collecting vertebrate fossils in the field. If the paleontological resources are found to be significant and project activities cannot avoid them, measures shall be implemented to ensure that the project does not cause a substantial adverse change in the significance of the paleontological resource. Measures may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to the City for review. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials. Public educational outreach may also be appropriate.

The project applicant shall inform its contractor(s) of the sensitivity of the project site for paleontological resources and shall verify that the following directive has been included in the appropriate contract documents:

> *"The subsurface of the construction site may be sensitive for fossils. If fossils are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any paleontological materials. Fossils can include plants and animals, and such trace fossil evidence of past life as tracks or plant imprints. Ancient marine sediments may contain invertebrate fossils such as snails, clam and oyster shells, sponges, and protozoa; and vertebrate fossils such as fish, whale, and sea lion bones. Contractor acknowledges and understands that excavation or removal of paleontological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5."*

4.8 GREENHOUSE GAS EMISSIONS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☒	☐	☐
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

a. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? ***(Less-Than-Significant with Mitigation Incorporated)***

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide (CO_2);
- Methane (CH_4);
- Nitrous oxide (N_2O);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs); and
- Sulfur Hexafluoride (SF_6).

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, believed to be causing global warming. While manmade GHGs include naturally-occurring GHGs such as CO_2, methane, and N_2O, some gases, like HFCs, PFCs, and SF_6 are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation

and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

This section describes the proposed project's construction- and operational-related GHG emissions and contribution to global climate change. The BAAQMD has not addressed emission thresholds for construction in their CEQA Guidelines; however, the BAAQMD encourages quantification and disclosure. Thus, construction emissions are discussed in this section.

Construction Activities. Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

The BAAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are encouraged to quantify and disclose GHG emissions that would occur during construction. Using CalEEMod, it is estimated that construction of the proposed project would generate approximately 493 metric tons of CO_2e. Implementation of Mitigation Measure AIR-1 would reduce GHG emissions by reducing the amount of construction vehicle idling and by requiring the use of properly maintained equipment. Therefore, project construction impacts associated with GHG emissions would be less than significant.

Operational Emissions. Section 15064.4 of the CEQA Guidelines states that: "A lead agency should make a good-faith effort, based to the extent possible, on scientific and factual data, to describe, calculate or estimate the amount of GHG emissions resulting from a project." In performing that analysis, the lead agency has discretion to determine whether to use a model or other methodology to quantify GHG emissions, or to rely on a qualitative analysis or performance-based standards. In making a determination as to the significance of potential impacts, the lead agency then considers the extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting, whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project, and the extent to which the project complies with regulations or requirements adopted to implement a Statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

According to the BAAQMD CEQA Guidelines, if a project is consistent with an adopted qualified GHG Reduction Strategy that meets the standards, it can be presumed that the project will not have significant GHG emission impacts. This approach is consistent with the State CEQA Guidelines, Section 15183.5, and will be used in this analysis.

The City of Milpitas' Climate Action Plan (CAP) was adopted on May 7, 2013.[32] The City of Milpitas CAP meets the BAAQMD requirements for a Qualified GHG Reduction Strategy and is designed to streamline environmental review of future development projects in the City consistent with CEQA Guidelines Section 15183.5(b) and the BAAQMD CEQA Air Quality Guidelines. The CAP identifies measures to achieve a reduction of 93,940 metric tons (MT) per year of CO_2e, including a reduction of 13,950 $MTCO_2e$ that would be achieved through State-mandated measures. With implementation of the CAP and existing measures, the City's GHG emissions are expected to be 16.2 percent below 2005 levels by the year 2020.

The CAP identifies six main Action Areas with specific GHG reductions, including energy, water, transportation and land use, solid waste, and off-road equipment. For each measure the CAP specifies GHG reductions, City departments responsible for implementation, performance metrics, regional partners, additional resources, and co-benefits.

Long-term operation of the proposed project would generate GHG emissions from area and mobile sources as well as indirect emissions from sources associated with energy consumption. Mobile-source GHG emissions would include project-generated vehicle trips associated with trips to the proposed project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site, and other sources. As identified above, the City of Milpitas' CAP meets the BAAQMD requirements for a Qualified GHG Reduction Strategy. Therefore, the project's GHG emissions would not be considered a significant impact if the project would be consistent with the City's CAP. Appendix C: Development Checklist of the City's CAP was developed to assist project applicants and City staff to determine whether a proposed project complies with the CAP and contains applicable measures that will be implemented as part of the proposed project to demonstrate consistency with the City's CAP. The proposed project's consistency with these measures is included in Table 4.E below.

As demonstrated in Table 4.E, the proposed project's consistency with many of the CAP measures would be determined by design decisions that are currently not evident from the conceptual plans evaluated for the environmental analysis in this report. Implementation of Mitigation Measure GHG-1 would require the proposed project to include the applicable measures, as identified in Appendix B.

[32] Milpitas, City of, 2013. *City of Milpitas Climate Action Plan. A Qualified Greenhouse Gas Reduction Strategy*. May 7.

Table 4.E: Consistency with the City's Climate Action Plan Measures

Measure	Action	Applicability	Compliance
Energy Measures			
Measure 1.3: Discretionary Project Review	Apply the City's Climate Action Plan Development Checklist (Appendix C) as part of the City's discretionary project review process.	The project applicant filled out City's Climate Action Plan Development Checklist (Appendix C), which is included in Appendix B.	Yes
Measure 1.5: Urban Cooling	Achieve urban cooling through voluntary and mandatory standards for new development and additions.	Each of the residential uses on the project site would include private backyards and private open space. In addition, the proposed project would include a total of 78,624 square feet of landscaped area, including 5,007 square feet of bioretention space. A total of 78 trees would be planted as part of the proposed project.	Yes
Measure 1.8: Online Energy Monitoring	Encourage participation in online energy monitoring programs as utilities develop and deploy online systems.	With implementation of Mitigation Measure GHG-1, the proposed project would install Energy Star appliances.	Yes with Mitigation Measure GHG-1
Measure 2.1: Energy Efficiency in New Development	Encourage new development and remodels to exceed minimum building standards for energy efficiency and continue implementation of the adopted Green Building Ordinance.	The proposed project would be consistent with current CALGreen standards.	Yes
Measure 3.1: Renewable Energy in New Development	Adopt new standards to require renewable energy in new development and encourage renewable energy facilities through the discretionary process.	With implementation of Mitigation Measure GHG-1, the proposed project would install on-site renewable energy, such as solar panels.	Yes with Mitigation Measure GHG-1
Water			
Measure 4.1: Tiered Water Rates	Continue water conservation efforts outlined in the Urban Water Management Plan and expand tiered water rate structures to apply to nonresidential customers in addition to residential customers.	With implementation of Mitigation Measure GHG-1, the proposed project would use water-efficient irrigation systems and use reclaimed water, when available.	Yes with Mitigation Measure GHG-1
Measure 4.2: Recycled Water	Work with regional partners to encourage expansion of recycled water infrastructure.	With implementation of Mitigation Measure GHG-1, the proposed project would use water-efficient irrigation systems and use reclaimed water, when available.	Yes with Mitigation Measure GHG-1

Table 4.E: Consistency with the City's Climate Action Plan Measures

Measure	Action	Applicability	Compliance
Transportation and Land Use			
Measure 5.1: Increased Densities	Continue to promote the increase of density and mixed uses in key opportunity areas, including the Midtown Specific Plan, Transit Area Specific Plan, and Town Center areas.	The proposed project would develop new residences that would locate residents near existing residential and commercial uses, reducing the demand for travel by single occupancy vehicles.	Yes
Measure 5.3: Open Space	Expand City parks and open spaces.	Each of the residential uses on the project site would include private backyards that would be an average of 1,641 square feet. In total, the proposed project would provide 59,094 square feet of private open space. In addition, the proposed project would include a total of 78,624 square feet of landscaped area, including 5,007 square feet of bioretention space. A total of 78 trees would be planted as part of the proposed project.	Yes
Measure 6.3: Dense and Centralized Development	Promote dense development in central locations and along transportation corridors.	The proposed project would develop new residences that would locate residents near existing residential and commercial uses, reducing the demand for travel by single occupancy vehicles.	Yes
Measure 7.2: Complete Streets	Initiate a rigorous Citywide complete streets program to foster pedestrian and bicycle activity throughout the community.	The proposed project would provide pedestrian and bicyclist amenities, including sidewalks, crosswalks, bicycle lanes, shading, and landscaping.	Yes
Measure 7.3: Bikeways Master Plan Infrastructure	Implement and maintain the facilities and infrastructure improvements identified in the Bikeways Master Plan to achieve high levels of bicycle and pedestrian activity.	The proposed project would provide pedestrian and bicyclist amenities, including sidewalks, crosswalks, bicycle lanes, shading, and landscaping.	Yes
Measure 8.1: Transportation Demand Management	Adopt and phase a Citywide transportation demand management ordinance by 2015, building on recommendations of the transit area specific plan, and establish a funding mechanism to pay for the costs of the program.	The proposed project would develop new residences that would locate residents near existing residential and commercial uses, reducing the demand for travel by single occupancy vehicles. The proposed project would provide pedestrian and bicyclist amenities, including sidewalks, crosswalks, bicycle lanes, shading, and landscaping which would also help to reduce the demand for travel by single occupancy vehicles.	Yes
Measure 10.4: Residential Electric Vehicle Charging	Facilitate plug-in hybrid and electric vehicle charging stations for homes by promoting funding opportunities and streamlining permit procedures, including establishing maximum time frames for permit processing and simplified permit procedures.	With implementation of Mitigation Measure GHG-1, the proposed project would provide plug-in hybrid and electric vehicle home charging stations.	Yes with Mitigation Measure GHG-1

Table 4.E: Consistency with the City's Climate Action Plan Measures

Measure	Action	Applicability	Compliance
Solid Waste			
Measure 11.1: Waste Diversion	Work with regional partners to increase the diversion of solid waste to 75 percent as required under Assembly Bill (AB) 341.	The proposed project would comply with AB 341.	Yes
Off-Road Equipment			
Measure 12.1: Lawn and Garden Equipment	Support a community-wide transition to cleaner outdoor lawn and garden equipment.	With implementation of Mitigation Measure GHG-1, the proposed project would provide accessible exterior electrical outlets to charge electric-powered lawn and garden equipment.	Yes with Mitigation Measure GHG-1
Measure 12.2: Construction Best Management Practices	Encourage construction projects to comply with BAAQMD performance-based best management practices.	With implementation of Mitigation Measure AIR-1, the proposed project would implement the BAAQMD's Basic Construction Mitigation Measures.	Yes with Mitigation Measure AIR-1

Source: City of Milpitas (2013) and LSA (May 2019).

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Mitigation Measure GHG-1: The project applicant shall demonstrate compliance with the applicable measures to the City Planning Division prior to the issuance of a building permit. The following measures are considered to be applicable, feasible, and effective in reducing greenhouse gas emissions generated by the project:

- Install Energy Star appliances.
- Install on-site renewable energy, such as solar panels.
- Use water-efficient irrigation systems and use reclaimed water, when available.
- Provide plug-in hybrid and electric vehicle home charging stations.
- Provide accessible exterior electrical outlets to charge electric-powered lawn and garden equipment.

Mitigation Measure GHG-1 would result in the implementation of applicable measures included in the CAP that are applicable to the project to reduce GHG emissions. Overall, the mitigated project would implement GHG reduction measures in compliance with the CAP and, therefore, would not be a significant source of GHG emissions. Therefore, the project's impacts would be less than significant.

b. Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? ***(Less-Than-Significant Impact)***

California's major initiative for reducing GHG emissions is Assembly Bill (AB) 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. In response to AB 32, California began to address climate change by employing a comprehensive, long-term approach to cut the State's GHG emissions to 1990 levels by 2020 and to maintain and continue reductions post 2020. The proposed project was analyzed for consistency with the goals of AB 32 and the AB 32 Scoping Plan. The Scoping Plan has a range of GHG reduction actions, which include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as a cap-and-trade system, and an AB 32 implementation fee to fund the program.

In addition, Senate Bill (SB) 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Executive Order B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the global emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to the California Air Resource Board (CARB) in the following areas related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are

collected by CARB was posted in December 2016. The measures applicable to the proposed project include energy efficiency measures, water conservation and efficiency measures, and transportation and motor vehicle measures, as discussed below.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. The proposed project would be consistent with current CALGreen standards, regarding energy conservation and green building standards. Therefore, the proposed project would comply with applicable energy measures.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the project would be required to comply with the latest CALGreen standards, which include a variety of different measures, including reduction of wastewater and water use. In addition, the proposed project would be required to comply with the City's water efficient landscape ordinance. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle emissions for all vehicles by 2020. Specific regional emission targets for transportation emissions would not directly apply to the proposed project. However, vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed project would not conflict with the identified transportation and motor vehicle measures.

The proposed project would develop new residences that would locate residents near existing residential and commercial uses, reducing the demand for travel by single occupancy vehicles. The proposed project would provide pedestrian and bicyclist amenities, including sidewalks, crosswalks, bicycle lanes, shading, and landscaping which would also help to reduce the demand for travel by single occupancy vehicles.

Therefore, the proposed project would comply with existing State regulations adopted to achieve the overall GHG emissions reduction goals identified in AB 32 and would be consistent with applicable plans and programs designed to reduce GHG emissions. Therefore, the proposed project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs and this impact would be less than significant.

4.9 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

The following discussion is based on the findings from the Phase I Environmental Site Assessment[33] (Phase I ESA) prepared for the project site. A copy of the Phase I ESA is included in Appendix C of this report.

a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? ***(Less-Than-Significant Impact)***

Although small quantities of commercially-available hazardous materials could be used during project construction activities (e.g., oil, gasoline, paint) and for landscape maintenance within the project site, these materials would not be used in sufficient quantities to pose a threat to human or environmental health. Therefore, development of the proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.

[33] Ramboll US Corporation, 2018. *Phase I Environmental Site Assessment for 1005 North Park Victoria Drive*. January 16.

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? ***(Less-Than-Significant Impact)***

There are two main ways that the public and/or the environment could be affected by the release of hazardous materials from the project site, including: (1) exposing workers and/or the public to potentially contaminated soil and groundwater during construction and/or operation of the project; or (2) exposing workers and/or the public to hazardous building materials (e.g., lead paint, asbestos) during demolition of existing structures.

As described above, small quantities of common hazardous materials would be used at the project site during construction and operation of the proposed project. Improper use, storage, or handling could result in a release of hazardous materials into the environment which could pose a risk to construction workers and the public. However, the City would be required to comply with existing government regulations in its use and disposal of these materials, and such materials would not be used in sufficient strength or quantity to create a substantial risk to human or environmental health.

The Phase I ESA prepared for the project site did not identify any potential Recognized Environmental Conditions in connection with potential unrestricted residential use on the project site. The Phase I ESA did identify former agricultural uses on the project site until approximately 1978, which indicates that pesticides may have been used at the site. One soil sample at the project site included concentrations slightly above the residential screening level for pesticides. However, the low concentration and localized presence of the pesticide at one sampling location is not considered a concern for the project site.

Therefore, the proposed project would have a less-than-significant impact related to the release of hazardous materials into the environmental during both the construction and operational periods.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? ***(Less-Than-Significant Impact)***

There are no public schools located within 0.25 mile of the project site. However, the Global Village Montessori Preschool, a private pre-school, is located approximately 0.17 mile to the south. As noted in Section 4.9.a, development of the proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. As noted in Section 4.9.b, construction activities would not create a hazard to the public and environment through reasonably foreseeable upset and accident conditions, and this impact would be less than significant.

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? ***(No Impact)***

As noted in the Phase I ESA, the project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, and no impact would occur.

e. Would the project be located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? ***(Less-Than-Significant Impact)***

The project site is located approximately 5.2 miles northeast of the San José International Airport. The project site is not located within the Airport Safety Zones or Airport Influence Area of the San José International Airport.[34] Therefore, the proposed project would not result in a safety hazard or excessive noise for people residing or working in the project area due to the proximity of an airport.

f. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? ***(Less-Than-Significant Impact)***

The City of Milpitas Fire Department (Fire Department) Office of Emergency Services coordinates the City's preparedness efforts to mitigate, plan for, respond to and recover from natural and technological disasters. In addition, the County of Santa Clara Office of Emergency Services coordinates county-wide emergency response efforts including the preparation and implementation of the County of Santa Clara Emergency Operations Plan (EOP).[35] However, the EOP does not address specific responses, scenarios, hazards, or threats, within Milpitas. In addition, the EOP does not indicate the emergency evacuation routes within Santa Clara County. Because the proposed project would not alter or block adjacent roadways, implementation of the proposed project would not be expected to impair the function of nearby emergency evacuation routes. Therefore, the proposed project would have a less-than-significant impact on implementation of an adopted emergency response plan or emergency evacuation plan.

g. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? ***(Less-Than-Significant Impact)***

The project site is in an urban area and is not within or adjacent to a wildland fire hazard area.[36] Therefore, the proposed project would not expose people or structures to a significant loss, injury or death involving wildland fires.

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[34] Santa Clara County Airport Land Use Commission, 2011. *Comprehensive Land Use Plan, Santa Clara County, Norma Y. Mineta San José International Airport*. May 25.

[35] Santa Clara, County of, 2017. *Emergency Operations Plan*. January.

[36] California Department of Forestry and Fire Protection, 2008. Santa Clara County, Very High Fire Hazard Severity Zones in Local Responsibility Area. October 8.

4.10 HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☒	☐	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☒	☐	☐
i. Result in substantial erosion or siltation on- or off-site;	☐	☒	☐	☐
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☒	☐	☐
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☒	☐	☐
iv. Impede or redirect flood flows?	☐	☒	☐	☐
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☒	☐	☐

a. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? ***(Less-Than-Significant with Mitigation Incorporated)***

The State Water Resources Control Board and nine Regional Water Quality Control Boards regulate water quality of surface water and groundwater bodies throughout California. In the Bay Area, including the project site, the San Francisco Bay Regional Water Quality Control Board (Water Board) is responsible for implementation the Water Quality Control Plan (Basin Plan). The Basin Plan establishes beneficial water uses for waterways and water bodies within the region.

Runoff water quality is regulated by the National Pollutant Discharge Elimination System (NPDES) Program (established through the federal Clean Water Act). The NPDES program objective is to control and reduce pollutant discharges to surface water bodies. Compliance with NPDES permits is mandated by State and federal statutes and regulations. Locally, the NPDES Program is administered by the Water Board. According to the water quality control plans of the Water Board, any construction activities, including grading, that would result in the disturbance of 1 acre or more would require compliance with the General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activity (Construction General Permit). The proposed project is

approximately 4.88 acres and, as such, would be required to comply with the Construction General Permit.

The proposed project would be subject to the Water Board's Municipal Regional Permit (MRP), implemented in November 2015 by Order R2-2015-0049. Provision C.3 of the MRP requires new development and redevelopment projects that would replace more than 10,000 square feet of existing impervious surfaces to include post-construction stormwater control in project designs. Under the C.3 requirements, the preparation and submittal of a Stormwater Control Plan (SCP) would be required for the project site. The purpose of an SCP is to detail the design elements and implementation measures necessary to meet the post-construction stormwater control requirements of the MRP. In particular, SCPs must include Low Impact Development (LID) design measures, which reduce water quality impacts by preserving and recreating natural landscape features, minimizing imperviousness, and using stormwater as a resource, rather than a waste product. The proposed project would also be required to prepare a Stormwater Facility Operation and Maintenance Plan to ensure that stormwater control measures are inspected, maintained, and funded for the life of the project.

The City of Milpitas is a member of the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP), which provides stormwater management for the area including the project site.

As previously discussed, the 4.88-acre project site is currently developed and includes a total of 0.06 acres (1.3 percent) of impervious surfaces. Upon construction of the proposed project, approximately 2.68 acres (55 percent) of the project site would be covered by impervious surfaces and approximately 1.92 acres (45 percent) would be covered by pervious surfaces.

Construction activities associated with the proposed project would cause disturbance of soil during excavation work, which could adversely impact water quality. Contaminants from construction vehicles and equipment and sediment from soil erosion could increase the pollutant load in runoff being transported to receiving waters during development. Although surface runoff from the site would likely decrease with the proposed project (due to the proposed stormwater treatment measures), runoff from the proposed landscaped areas may contain residual pesticides and nutrients (associated with landscaping) and sediment and trace metals (associated with atmospheric deposition) during operation of the project. Operation of the proposed project could incrementally contribute to the long-term degradation of runoff water quality and as a result, adversely affect water quality in the receiving waters and San Francisco Bay. The proposed project would be considered a "regulated project" under the MRP, indicating that the State Water Resources Control Board has determined the size and nature of the project has the potential to discharge a significant pollutant load to stormwater runoff and receiving waters. Therefore, the potential discharges associated with the proposed project are considered to be a potentially significant impact.

Implementation of the following two mitigation measures would ensure that the proposed project complies with the Water Board's water quality standards by reducing the potential construction- and operation-period impacts to water quality to a less-than-significant level.

Mitigation Measure HYD-1: Prior to construction, the project applicant shall prepare and implement a SWPPP, meeting Construction General Permit requirements (State Water Resources Control Board Order No. 2009-000–DWQ, as amended) designed to reduce potential adverse impacts to surface water quality through the project construction period. The SWPPP shall be submitted to the City for review and approval prior to the issuance of any permits for ground disturbing activities.

The SWPPP shall be prepared by a Qualified SWPPP Developer in accordance with the requirements of the Construction General Permit. These include: BMPs for erosion and sediment control, site management/housekeeping/waste management, management of non-stormwater discharges, run-on and runoff controls, and BMP inspection/maintenance/repair activities. BMP implementation shall be consistent with the BMP requirements in the most recent version of the California Stormwater Quality Association Stormwater Best Management Handbook-Construction.

The SWPPP shall include a construction site monitoring program that identifies requirements for dry weather visual observations of pollutants at all discharge locations, and as appropriate (depending on the Risk Level), sampling of the site effluent and receiving waters. A Qualified SWPPP Practitioner shall be responsible for implementing the BMPs at the site and performing all required monitoring and inspection/maintenance/repair activities.

Mitigation Measure HYD-2: The project applicant shall fully comply with the Water Board stormwater permit requirements, including Provision C.3 of the MRP. The project applicant shall prepare and implement a SCP for the project. The SCP shall be submitted to the City for review and approval prior to the issuance of any permits for ground disturbing activities. The SCP would act as the overall program document designed to provide measures to mitigate potential water quality impacts associated with the operation of the proposed project. At a minimum, the SCP for the project shall include:

- An inventory and accounting of existing and proposed impervious areas.
- LID design details incorporated into the project. Specific LID design may include, but is not limited to: using pervious pavements and green roofs, dispersing runoff to landscaped areas, and/or routing runoff to rain gardens, cisterns, swales, and other small-scale facilities distributed throughout the site.
- Measures to address potential stormwater contaminants. These may include measures to cover or control potential sources of stormwater pollutants at the project site.
- A Draft Stormwater Facility Operation and Maintenance Plan for the project site, which will include periodic inspection and maintenance of the storm drainage system. Persons responsible for performing and funding the requirements of this plan shall be identified. This plan must be finalized prior to issuance of building permits for the project.

b. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? ***(Less-Than-Significant Impact)***

A new 12-inch water line would be installed within the private street areas of the north-facing properties along the southernmost private street. The existing 12-inch line that runs along the southern border of the project site would be abandoned and a new 12-inch line would be installed. The proposed project would also include a connection to the 8-inch line within Rankin Drive. Although no use of groundwater is proposed for the proposed project, some dewatering may be required during construction. Any dewatering activities would be expected to be temporary in nature. Therefore, the proposed project would not deplete groundwater supplies or interfere substantially with groundwater recharge.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: i. Result in substantial erosion or siltation on- or off-site; ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or iv. Impede or redirect flood flows? ***(Less-Than-Significant with Mitigation Incorporated)***

The proposed project would not alter the course of a stream or river. The project site is located in a developed area and would not substantially alter the existing drainage patterns in a manner that would result in substantial erosion or siltation on- or off-site, result in on- or off-site flooding, or redirect or impede floods flows. Furthermore, compliance with construction- and operation phase stormwater requirements (Mitigation Measures HYD-1 and HYD-2) would further ensure that development of the project would not result in substantial changes to the rate or amount of surface runoff from the site as compared to existing conditions and this impact would be less than significant.

d. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation? ***(Less-Than-Significant Impact)***

The project site is not located within a 100-year flood hazard zone as mapped by FEMA and is not located within a mapped dam failure inundation area.[37] There are no levees protecting the site from flooding and as a result, no risk of failure. The project site and surrounding areas are generally level and would not be subject to mudlfows. The project site is not located within a mapped tsunami area

[37] Federal Emergency Management Agency, 2014. FEMA Flood Map Service Center (map). Website: msc.fema.gov/portal/search#searchresultsanchor (June 7, 2019).

for Milpitas[38] and no seismically induced seiche waves have been documented in the San Francisco Bay throughout history.[39] Therefore, this impact would be less than significant.

e. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? ***(Less-Than-Significant with Mitigation Incorporated)***

As noted in Section 4.10.a, implementation of Mitigation Measures HYD-1 and HYD-2 would require preparation and implementation of both a SWPPP and SCP, and would ensure that the proposed project would have a less-than-significant impact related to stormwater runoff. Therefore, the proposed project would not obstruct implementation of a water quality control plan or sustainable groundwater management plan.

[38] California, State of, 2009. *California Emergency Management Agency. Tsunami Inundation Map for Emergency Planning: Milpitas Quadrangle.* July 31.

[39] Association of Bay Area Governments and Metropolitan Transportation Commission, 2013. *Plan Bay Area.* July 18.

4.11 LAND USE AND PLANNING

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Physically divide an established community?	☐	☐	☒	☐
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

a. Would the project physically divide an established community? ***(Less-Than-Significant Impact)***

The physical division of an established community typically refers to the construction of a physical feature (such as an interstate highway or railroad tracks) or removal of a means of access (such as a local road or bridge) that would impair mobility within an existing community, or between a community and outlying area. For instance, the construction of an interstate highway through an existing community may constrain travel from one side of the community to another; similarly, such construction may also impair travel to areas outside the community.

The project site is located in an urban area in the City of Milpitas and is surrounded by residential and open space uses, as well as existing rights-of-way. The proposed project would include the development of the project site with residential uses. The proposed project would not require the construction of any new infrastructure that would divide an established community, and would not remove any means access. The proposed project would not result in a physical division of an established community or adversely affect the continuity of land uses in the vicinity. This impact would be less than significant.

b. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? ***(Less-Than-Significant Impact)***

The City of Milpitas General Plan Land Use Map designates the project site as SFL and the City's Zoning Map identifies the project site as R1-6. As noted in Section 2.0, Project Description, the proposed project would include a General Plan Amendment to change the land use designation from SFL to Single-Family Medium Density and a Rezone from R1-6 to R2. In addition, the proposed project would also require a site development permit, planned unit development permit, environmental assessment permit, and a tentative map permit.

It should be noted that according to CEQA, policy conflicts do not, in and of themselves, constitute a significant environmental impact. Policy conflicts are considered to be environmental impacts only when they would result in direct physical impacts or where those conflicts relate to avoiding or mitigating environmental impacts. As such, associated physical environmental impacts are discussed in this Initial Study under specific topical sections. The proposed project would not result in any direct physical impacts that cannot be mitigated to a less-than-significant level.

As a result of the proposed General Plan Amendment and Rezone, the proposed project would not conflict with any applicable land use plans, policies, or regulations that were adopted for the purpose of avoiding or mitigating an environmental effect and this impact would be less than significant.

4.12 MINERAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

a. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? ***(No Impact)***

The project site is located within an urban area on a previously developed site and there are no known mineral resources within the vicinity of the project site that would be of value to the region or to the State. The City of Milpitas General Plan identifies four area designated by the State Geologist as containing Regionally Significant Construction Aggregate Resources.[40] However, each of these mineral resource areas are located in the foothills outside City limits. As such, development of the proposed project would not result in the loss of availability of a known mineral resource of value to the region or residents of the State, and there would be no impact related to the availability of mineral resources.

b. Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? ***(No Impact)***

Refer to Section 4.12. a. The proposed project would not result in the loss of availability of any known locally important mineral resource recovery site. Therefore, no impact related to the availability of a mineral resources recovery site would occur.

[40] Milpitas, City of, 2015.General Plan Open Space & Environmental Conservation Element. Available online at: www.ci.milpitas.ca.gov/_pdfs/plan_plan_general_chapter4.pdf (accessed June 7, 2019).

4.13 NOISE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project result in:				
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

The following provides an overview of the characteristics of sound and the regulatory framework that applies to noise within the vicinity of the project site. The existing noise environment in and around the project site is also described.

Characteristics of Sound. Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep. Several noise measurement scales exist that are used to describe noise in a particular location. A decibel (dB) is a unit of measurement that indicates the relative intensity of a sound. Sound levels in dB are calculated on a logarithmic basis. An increase of 10 dB represents a ten-fold increase in acoustic energy, while 20 dB is 100 times more intense and 30 dB is 1,000 times more intense. Each 10 dB increase in sound level is perceived as approximately a doubling of loudness; and similarly, each 10 dB decrease in sound level is perceived as half as loud. Sound intensity is normally measured through the A-weighted sound level (dBA). This scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. The A-weighted sound level is the basis for 24-hour sound measurements which better represent how humans are more sensitive to sound at night. As noise spreads from a source, it loses energy so that the farther away the noise receiver is from the noise source, the lower the perceived noise level would be. Geometric spreading causes the sound level to attenuate or be reduced, resulting in a 6 dB reduction in the noise level for each doubling of distance from a single point source of noise to the noise sensitive receptor of concern.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. Equivalent continuous sound level (L_{eq}) is the total sound energy of time varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the L_{eq}, the community noise equivalent level (CNEL), and the day-night average level (L_{dn}) based on dBA. L_{dn}, sometimes denoted as DNL, represents the time varying noise over a 24-hour period, with a 10 dBA weighting factor applied to noise occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours).

L_{dn} is similar to the CNEL scale, but without the adjustment for events occurring during the evening relaxation hours of 7:00 p.m. to 10:00 p.m.

Regulatory Framework. The City addresses noise in the Noise Element of the General Plan and in Chapter 213 of the City's Municipal Code (Noise Ordinance). The Noise Element of the City's General Plan provides an understanding of existing and future noise conditions within the City, establishes a basis for evaluating potential noise impacts on future development, and includes policy statements to guide public and private planning to attain and maintain acceptable noise levels. The City's Noise Compatibility Standards are shown in Table 4.F below. As shown in Table 4.F, the "normally acceptable" noise level for single-family residential uses is 60 dBA L_{dn}, with a "conditionally acceptable" range between 55 dBA and 70 dBA. The "normally unacceptable" noise level is between 70 dBA and 75 dBA L_{dn}. Additionally, the following Implementation Policies from the City's General Plan would be applicable to the proposed project:

- Policy 6-I-2: Require an acoustical analysis for projects located within a "conditionally acceptable" or "normally unacceptable" exterior noise exposure area. Require mitigation measures to reduce noise to acceptable levels.

- Policy 6-I-3: Prohibit new construction where the exterior noise exposure is considered "clearly unacceptable" for the proposed use.

- Policy 6-I-5: All new residential development (single family and multifamily) and lodging facilities must have interior noise levels of 45 dB DNL or less. Mechanical ventilation will be required where use of windows for ventilation will result in higher than 45 dB DNL interior noise levels.

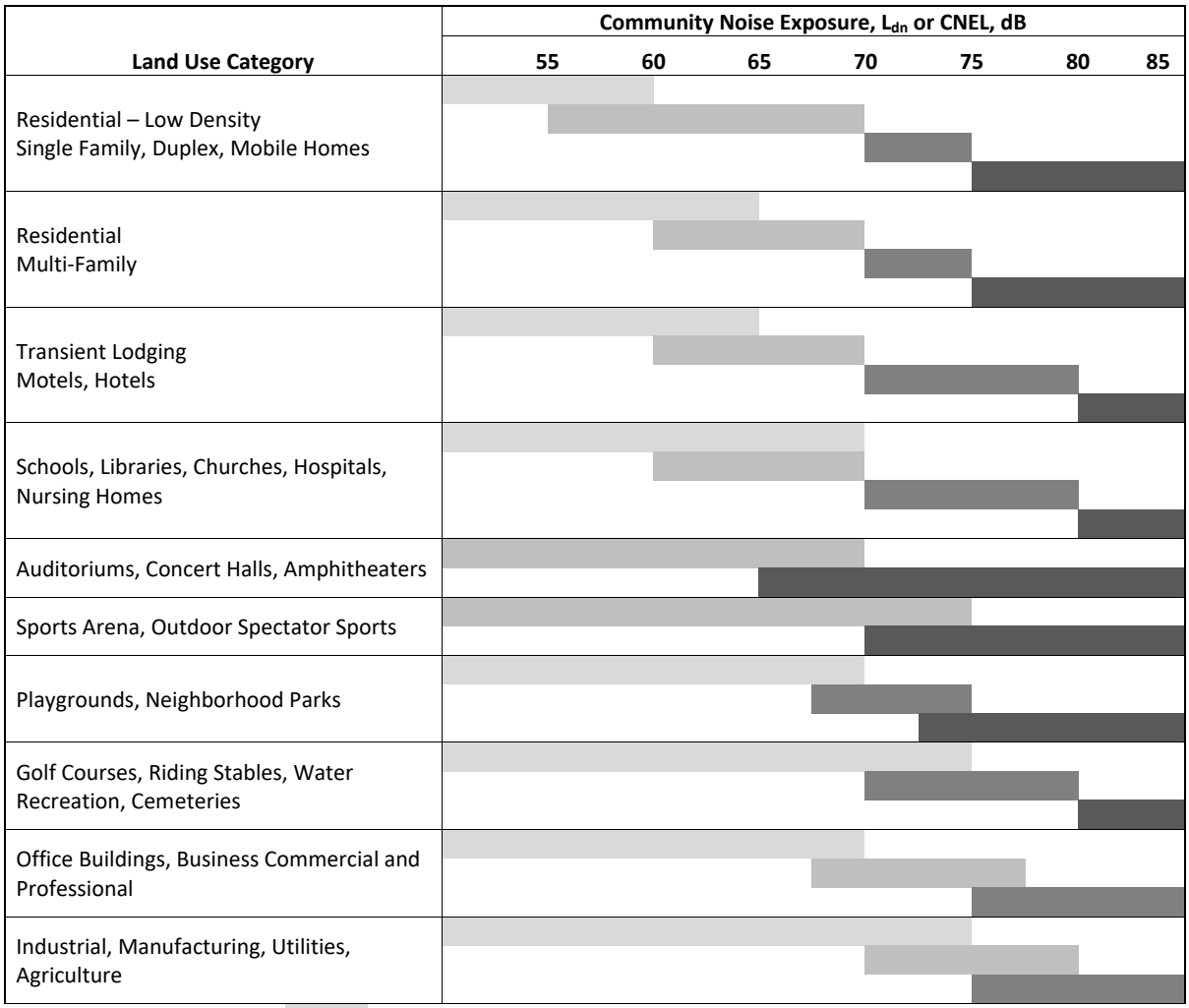
- Policy 6-I-7: Avoid residential DNL exposure increases of more than 3 dB or more than 65 dB at the property line, whichever is more restrictive.

- Policy 6-I-12: New noise-producing facilities introduced near sensitive land uses which may increase noise levels in excess of "acceptable" levels will be evaluated for impact prior to approval; adequate mitigation at the noise source will be required to protect noise-sensitive land uses.

- Policy 6-I-13: Restrict the hours of operation, technique, and equipment used in all public and private construction activities to minimize noise impact. Include noise specifications in requests for bids and equipment information.

Chapter 213 of the City's Municipal Code prohibits construction activities outside of the hours of 7:00 a.m. to 7:00 p.m. on weekdays and weekends, and on holidays except during emergencies. The noise ordinance also contains residential zone regulations in Section V-213-3(a). The residential zone regulations stipulate that it is unlawful for any person in any residential zone to make or cause any disturbing noise, such as amplified music, horns, or yelling, that increases the ambient noise level by 3 dB or to greater than 65 dB, whichever is more restrictive. The residential zone regulations also stipulate that it is unlawful for any person in a residential zone to make or cause any disturbing noise that is audible during the hours of 10:00 p.m. to 7:00 a.m. from a distance of 50 feet from the property line of the noise source or 100 feet from any nonstationary noise source.

Table 4.F: City of Milpitas Noise Compatibility Standards



Normally Acceptable	Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements. Buildings are of conventional construction.
Conditionally Acceptable	New construction or development should be undertaken only after a detailed analysis of noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.
Normally Unacceptable	New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.
Clearly Unacceptable	New construction or development should generally not be undertaken.

Source: *City of Milpitas General Plan* (2010).

Because the City of Milpitas has yet to established vibration thresholds related to potential damage, vibration standards included in the Federal Transit Administration's (FTA) Transit Noise and Vibration Impact Assessment (FTA 2018)[41] are used in this analysis. The criteria for environmental impact from groundborne vibration are based on the maximum levels for a single event. FTA guidelines show that a vibration level of up to 102 vibration velocity in decibels (VdB) (equivalent to 0.5 inches per second [in/sec] in peak particle velocity [PPV]) is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For a nonengineered timber and masonry building, the construction building vibration damage criterion is 94 VdB (0.2 in/sec in PPV).

Existing Noise Conditions. Certain land uses are considered more sensitive to noise than others. Examples of these include residential areas, educational facilities, hospitals, childcare facilities, and senior housing. The project site is located in an area with single-family homes, commercial uses, and vacant land. The closest sensitive receptors are the single-family homes immediately to the south of the project site as well as other single-family homes to the west opposite Rankin Drive, to the north opposite Creed Street, and to the east opposite North Park Victoria Street. Other land uses within 500 feet of the proposed project site include commercial uses to the southwest, south and southeast as well as a mosque to the southeast.

Existing Ambient Noise Level Measurements. The ambient noise environment in the vicinity of the project site is affected by a variety of noise sources. While noise associated with aircraft flyovers and sporadic events such as trash pick-up activities occur in the project area, the major sources being traffic on the roadways surrounding the project site and I-680. Two (2) long-term (24-hour) noise measurements (LT-1 and LT-2) were conducted April 24, 2019 through April 25, 2019 and two (2) short-term noise measurements were recorded on April 25, 2019 on the project site to establish the existing ambient noise environment on the project site. Noise measurement data collected during the noise measurements are summarized in Table 4.G. The noise measurements indicate that ambient noise in the project site vicinity ranges from approximately 60.7 dBA to 69.2 dBA L_{dn}. Noise from the traffic on I-680 and adjacent roadways were reported as the primary noise sources. The location of all measurements is shown in Figure 3-1 and noise measurement sheets are provided in Appendix D.

[41] Federal Transit Administration, 2018. Office of Planning and Environment. *Transit Noise and Vibration Impact Assessment, FTA-VA-90-1003-06*. September.

Table 4.G: Long-Term and Short-Term Ambient Noise Level Measurements

Location	Measured Short-Term Noise Level (dBA L_{eq})	Daytime Noise Levels[1] (dBA L_{eq})	Nighttime Noise Levels[2] (dBA L_{eq})	Average Daily Noise Level (dBA L_{dn})
LT-1: Southeast corner of the Rankin Drive and Blalock Street intersection at 1073 Blalock Street.	--	54.5 – 64.3	48.7 – 59.9	62.8
LT-2: Southeast corner of the project site next to existing vacant home.	--	58.6 – 65.6	53.3 - 63.5	66.6
ST-1: Northeast corner of project site across from 1110 Creed Street[3]	62.0	61.2 – 68.2	55.9 – 66.1	69.2
ST-2: Western edge of project site across from 1049 Rankin Drive[3]	52.3	52.4 – 62.2	46.6 – 57.8	60.7

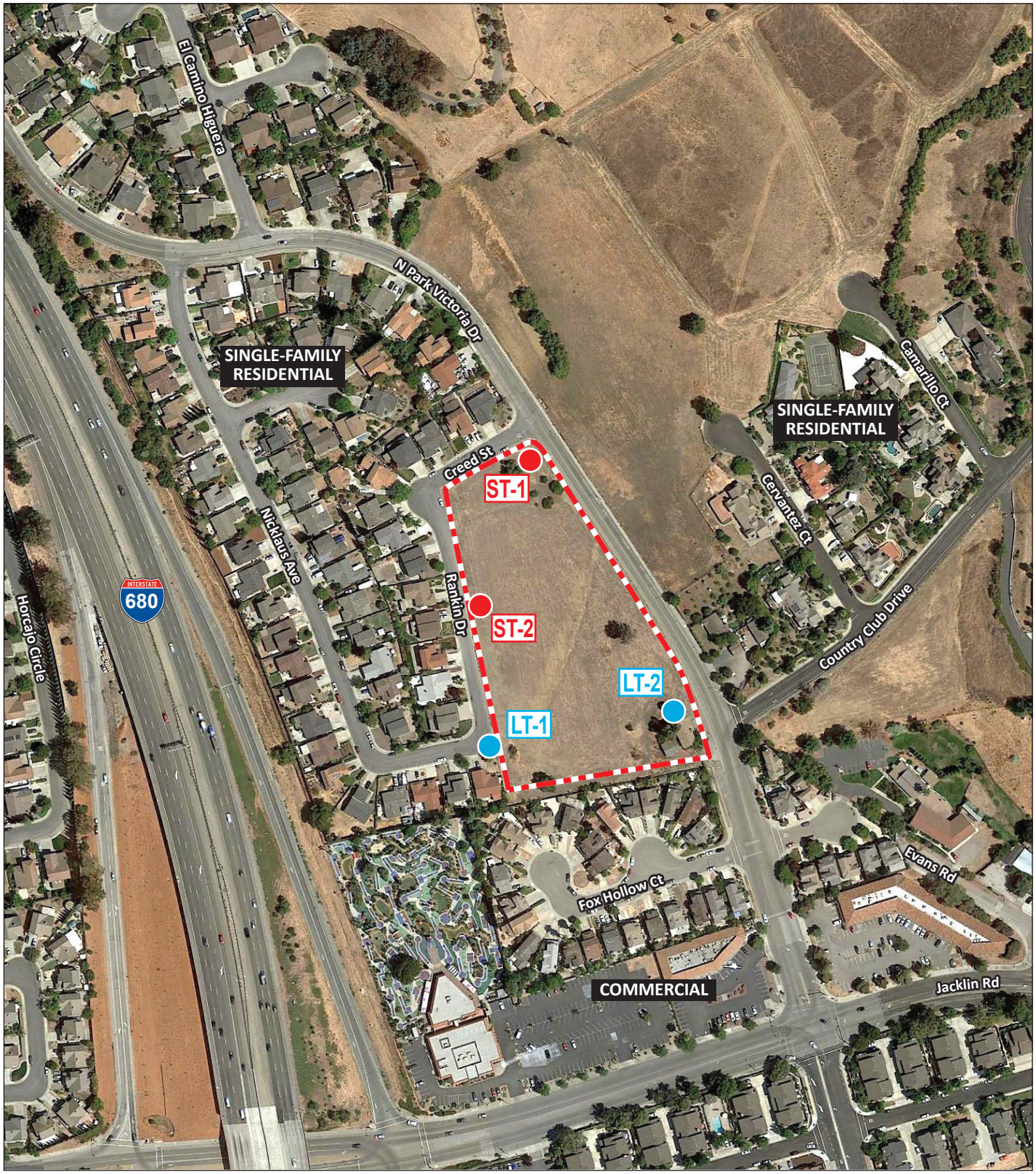
Source: Compiled by LSA. (April 24-25, 2019).

[1] Daytime Noise Levels = noise levels during the hours of 7:00 a.m. to 7:00 p.m.

[2] Nighttime Noise Levels = noise levels during the hours of 10:00 p.m. to 7:00 a.m.

[3] Hourly and Daily Noise levels at ST-1 and ST-2 were estimated using the noise profile of the nearest long-term measurement location.

dBA = A-weighted decibels
L_{dn} = day-night average noise level
L_{eq}=equivalent continuous sound level



LSA

FIGURE 4-1

N

0 200 400
FEET

LT# Long-term Noise Monitoring Location (24 hours)

ST# Short-term Noise Monitoring Location (15 minutes)

Project Site

1005 North Park Victoria Project I

Noise Monitoring Lo

SOURCES: GOOGLE EARTH, 8/9/18; LSA, 2019.

P:\MLP1901 1005 N Park Victoria\Graphics\Figures\Fig_4-1.ai (6/11/19)

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Existing Modeled Traffic Noise Levels. Motor vehicles with their distinctive noise characteristics are the dominant noise source in the project vicinity. The amount of noise varies according to many factors, such as volume of traffic, vehicle mix (percentage of cars and trucks), average traffic speed, and distance from the observer. Existing highway and roadway traffic noise levels in the project vicinity were assessed using the Federal Highway Administration (FHWA) highway traffic noise prediction model (FHWA RD-77-108). This model uses a typical vehicle mix for urban/suburban areas in California and requires parameters, including traffic volumes, vehicle speed, and roadway geometry to compute typical equivalent noise levels during daytime, evening, and nighttime hours. The resulting noise levels are weighted and summed over 24-hour periods to determine L_{dn} values. Existing traffic noise levels along modeled roadway segments nearest to the project are shown in Table 4.H below. Appendix E provides the specific assumptions used in developing these noise levels and model printouts.

As shown in Table 4.H, the modeled traffic noise levels from road segments adjacent to the project site range from 44.3 dBA L_{dn} to 58.3 dBA L_{dn} at 50 feet from the centerline of the outermost lane. The road segments directly adjacent to the project are shaded in Table 4.H.

Table 4.H: Existing Traffic Noise Levels

Roadway Segment	Average Daily Traffic Volume (ADT)	Centerline to 70 dBA L_{dn} (feet)	Centerline to 65 dBA L_{dn} (feet)	Centerline to 60 dBA L_{dn} (feet)	L_{dn} (dBA) 50 Feet From Centerline of Outermost Lane
Creed Street west of North Park Victoria Drive	250	< 50	< 50	< 50	44.3
North Park Victoria north of Creed Street	2,630	< 50	< 50	< 50	57.9
North Park Victoria Creed Street to Country Club Drive	2,850	< 50	< 50	< 50	58.3
North Park Victoria Country Club Drive to Jacklin Road	4,180	< 50	< 50	56	60.0
North Park Victoria south of Jacklin Road	7,120	< 50	< 50	80	61.7
Jacklin Road east of North Park Victoria	6,890	< 50	< 50	81	60.6
Jacklin Road west of North Park Victoria	14,270	< 50	63	127	63.8

Source: LSA Associates Inc. (June 2019).
Notes:
– Traffic data from the Traffic Operations Report for 1005 North Park Victoria Drive Single-Family Residence Report (Hexagon Transportation Consultants, Inc. 2019).
– Traffic noise levels within 50 feet of the roadway centerline are typically calculated manually, with site-specific information, such as topography, included.
Shaded cells indicate road segments directly adjacent to the project.
dBA = A-weighted decibels
L_{dn} = day-night average noise level

a. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction Noise Impacts. Implementation of the proposed project would include construction activities that would result in a substantial temporary increase in ambient noise levels in the vicinity of the project site.

The closest sensitive receptors would be the existing single-family homes located immediately south of the project site. Project construction would result in short-term noise impacts to these receptors. Maximum construction noise would be short-term, generally intermittent depending on the construction phase, and variable depending on receiver distance from the active construction zone. The duration of noise impacts generally would be from one day to several days depending on the phase of construction. Project construction would occur for approximately 18 to 24 months. The level and types of noise impacts that would occur during construction are described below.

Short-term noise impacts would occur during grading and site preparation activities. Table 4.I lists maximum noise levels recommended for noise impact assessments for typical construction equipment, based on a distance of 50 feet between the equipment and a noise receptor. Construction-related short-term noise levels would be higher than existing ambient noise levels in the project area, but would no longer occur once construction of the proposed project is complete.

Table 4.I: Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Usage Factor (%)	Maximum Noise Level (L_{max}) at 50 Feet[1]
Compressor	40	80
Cranes	16	85
Dozers	40	85
Drill Rig	20	84
Flat Bed Trucks	40	84
Forklift	20	85
Front-end Loaders	40	80
Generator	50	82
Man-lift	20	85
Rollers	20	85
Water Truck	40	84
Welder	40	73

Source: Roadway Construction Noise Model (FHWA 2006).
Note: Noise levels reported in this table are rounded to the nearest whole number.
[1] Maximum noise levels were developed based on Spec 721.560 from the Central Artery/Tunnel program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
L_{max} = maximum instantaneous sound level

Two types of short-term noise impacts could occur during construction of the proposed project. The first type involves construction crew commutes and the transportation of construction equipment and materials to the site for the proposed project, which would incrementally increase noise levels

on roads leading to the site. As shown in Table 4.I, there would be a relatively high single-event noise exposure potential at a maximum level of 85 dBA L_{max} with trucks passing at 50 feet.

The second type of short-term noise impact is related to noise generated during excavation, grading, and construction on the project site. Construction is performed in discrete steps, or phases, each with its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on site. Therefore, the noise levels vary as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase.

Table 4.I lists maximum noise levels recommended for noise impact assessments for typical construction equipment, based on a distance of 50 feet between the equipment and a noise receptor. Average maximum noise levels range up to 85 dBA L_{max} at 50 feet during the noisiest construction phases. The site preparation phase, including excavation and grading of the site, tends to generate the highest noise levels because earthmoving machinery is the noisiest construction equipment. Earthmoving equipment includes excavating machinery such as backfillers, bulldozers, draglines, and front loaders. Earthmoving and compacting equipment includes compactors, scrapers, and graders. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full-power operation followed by 3 or 4 minutes at lower power settings.

As identified above, the project site is immediately adjacent to single-family homes to the south and west with the closest existing façade approximately 7 feet away. While construction noise levels have the potential to exceed 102 dBA L_{max} when construction activities occur near the property line, assuming a 6 dBA reduction for every doubling of distance, the average construction noise levels will be 73 dBA L_{max} based on a distance of 200 feet which is generally the center of the project site. This noise level would be higher than existing noise levels at the off-site residences. Construction noise is permitted by the Chapter 213 of the City's Municipal Code when activities occur between the hours of 7:00 a.m. and 7:00 p.m.

As discussed above, construction noise could result in a temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project. Implementation of the following mitigation measure would reduce potential construction period noise impacts to sensitive receptors to less-than-significant levels.

Mitigation Measure NOI-1: The project contractor shall implement the following measures during construction of the project:

- Equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards.
- Place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the active project site.

- Locate equipment staging in areas that would create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the active project site during all project construction.

- Ensure that all construction related activities are restricted to the hours of 7:00 a.m. and 7:00 p.m.

- Designate a "disturbance coordinator" at the City of Milpitas who would be responsible for responding to any local complaints about construction noise. The disturbance coordinator would determine the cause of the noise complaint (e.g., starting too early, bad muffler) and would determine and implement reasonable measures warranted to correct the problem.

Although there would be temporary high intermittent construction noise at times in the project area during project construction, construction of the proposed project would not significantly affect land uses adjacent to the project sites. In addition, construction of the project would comply with the hourly limits specified by the City, as required by Mitigation Measure NOI-1. Therefore, project impacts related to temporary and periodic increases in ambient noise levels would be less than significant.

Long-Term Noise Impacts. The proposed project would generate long-term noise impacts from traffic noise sources, as discussed below.

Off-site traffic noise impacts would result in a significant impact if traffic noise increased by 3 dBA or more over ambient noise levels without the project and would exceed the City's exterior noise standards. To assess traffic noise impacts, the traffic noise levels along major roadways within the project vicinity were projected using FWHA modeling. The existing and cumulative traffic volumes along local roadways in the project study area were obtained from the Traffic Operations Analysis prepared for the proposed project.[42] Table 4.J lists the existing without and with project traffic noise levels on the roadway segments in the project vicinity. Table 4.K lists the cumulative without and with project traffic noise levels on the roadway segments in the project vicinity. These noise levels represent worst-case scenarios, which assume that no shielding is provided between the traffic and the location where the noise contours are drawn. As shown in the far right column on Table 4.J and 4.K, the increase from baseline conditions in project-related traffic noise levels for future conditions would range from 0.0 to 0.5 dBA along the segments in the project vicinity that were analyzed, with the exception of Creed Street west of North Park Victoria Drive. While the noise level increase on Creed Street west of North Park Victoria Drive exceeds the City's criteria for noise level increases of 3 dBA or more, consistent with the City's Noise Element policies, the resulting noise level of 48.3 dBA L_{dn} is well below the City's exterior noise standard of 65 dBA L_{dn} for single-family uses; therefore, all off-site traffic noise impacts would be less than significant and the proposed project would not create a substantial permanent increase in ambient noise levels.

[42] Hexagon Transportation Consultants, Inc., 2019, op. cit.

Table 4.J: Existing Traffic Noise Levels Without and With Project

Roadway Segment	Without Project		With Project		
	ADT	L_{dn} (dBA) 50 feet from Centerline of Outermost Lane	ADT	L_{dn} (dBA) 50 feet from Centerline of Outermost Lane	Increase from Baseline Conditions
Creed Street west of North Park Victoria Drive	250	44.3	620	48.2	3.9
North Park Victoria north of Creed Street	2,630	57.9	2,648	58.0	0.1
North Park Victoria Creed Street to Country Club Drive	2,850	58.3	3,188	58.8	0.5
North Park Victoria Country Club Drive to Jacklin Road	4,180	60.0	4,512	60.3	0.3
North Park Victoria south of Jacklin Road	7,120	61.7	7,230	61.8	0.1
Jacklin Road east of North Park Victoria	6,890	60.6	6,920	60.6	0.0
Jacklin Road west of North Park Victoria	14,270	63.8	14,480	63.9	0.1

Source: LSA Associates Inc. (June 2019).
Note: Traffic noise within 50 feet of the roadway centerline should be evaluated with site-specific information.
Shaded cells indicate roadway segments adjacent to the Project site.
ADT = average daily traffic; L_{dn} = day-night average noise level; dBA = A-weighted decibels

Table 4.K: Cumulative Traffic Noise Levels Without and With Project

Roadway Segment	Without Project		With Project		
	ADT	L_{dn} (dBA) 50 feet from Centerline of Outermost Lane	ADT	L_{dn} (dBA) 50 feet from Centerline of Outermost Lane	Increase from Baseline Conditions
Creed Street west of North Park Victoria Drive	260	44.5	630	48.3	3.8
North Park Victoria north of Creed Street	2,750	58.1	2,780	58.2	0.1
North Park Victoria Creed Street to Country Club Drive	2,990	58.5	3,340	59.0	0.5
North Park Victoria Country Club Drive to Jacklin Road	4,390	60.2	4,740	60.5	0.3
North Park Victoria south of Jacklin Road	7,470	61.9	7,580	62.0	0.1
Jacklin Road east of North Park Victoria	7,240	60.8	7,270	60.9	0.1
Jacklin Road west of North Park Victoria	14,980	64.0	15,190	64.1	0.1

Source: LSA Associates Inc. (June 2019).
Note: Traffic noise within 50 feet of the roadway centerline should be evaluated with site-specific information.
Shaded cells indicate roadway segments adjacent to the Project site.
ADT = average daily traffic; L_{dn} = day-night average noise level; dBA = A-weighted decibels

Land Use Compatibility. The dominant sources of noise in the project vicinity are traffic noise from roadways in the project vicinity and I-680 to the west.

Exterior Noise Assessment. As shown in Table 4.G, the existing measured noise levels on the project site range from 60.7 dBA to 69.2 dBA L_{dn}. The City sets forth normally acceptable noise level standards for land use compatibility and interior noise exposure of new development. The normally acceptable exterior noise level for single-family residential uses is 60 dBA L_{dn}. Noise levels of 55 to 70 dBA L_{dn} are considered conditionally acceptable when a detailed analysis of noise reduction requirements and noise insulation features are included in the design to meet the interior noise standard. The normally acceptable interior noise level for single-family homes is 45 dB L_{dn} or less and mechanical ventilation is required where a windows-closed condition is required to obtain interior noise levels less than 45 dBA L_{dn}.

As presented below in Table 4.L, existing noise levels at the western property line and eastern property line of the project site are 62.8 dBA L_{dn} and 66.6 dBA L_{dn}, respectively. In order to calculate the future traffic noise levels for the Year 2040 conditions, the following equation was utilized:

$$(\Delta) = 10\log\left(\frac{a}{b}\right)$$

where: (Δ) = change in noise level (dBA) due to traffic volume increase
a = future ADT volume assuming a 1% per year growth factor
b = existing ADT volume

Table 4.L: Summary of On-Site Traffic Noise Levels from I-680

Location	Existing Measured Nosie Level (dBA L_{dn})	Noise Increase for Traffic Growth (dBA L_{dn})	Future Exterior Noise Level (dBA L_{dn})
Homes adjacent to eastern property line	66.6	0.9	67.5
Homes adjacent to northern and western property line	62.8	0.9	63.7

Source: LSA Associates Inc. (June 2019).
L_{dn} = day-night average noise level; dBA = A-weighted decibels

The results of the calculation show an increase of 0.9 dBA L_{dn} for future conditions. Table 4.L presents the future exterior noise levels at the project site. As shown in Table 4.L, the future exterior noise levels would be 67.5 dBA L_{dn} along the western property line and 63.7 dBA L_{dn} along the northern and eastern property lines, which would be within the City's conditionally acceptable range of 55 dBA L_{dn} to 70 dBA L_{dn} and would be a conforming land use with confirmation that interior noise levels remain below the City's 45 dBA L_{dn} standard, as analyzed below.

Interior Noise Assessment. As discussed above, the City's interior noise level standard of 45 dBA L_{dn} or less is required for all noise-sensitive rooms. Based on the results in Table 4.L, a minimum noise reduction of 22.5 dBA would be required at homes long North Victoria Park Drive and a reduction of 18.7 dBA would be required for the remaining homes.

Calculations were completed for a typical bedroom with typical stucco construction, standard windows, and one wall exposed to traffic noise. Based on research completed by LSA, most window companies currently produce windows with minimum STC ratings of 27. These calculations (shown in Appendix F) assume a wall rating of STC-46[43] and window rating of STC-27.[44] The results of the analysis show an approximate 28 dBA exterior-to-interior noise reduction. With windows closed, interior noise levels at homes along North Victoria Park Drive would be approximately 39.5 dBA (i.e., 67.5 dBA – 28 dBA = 39.5 dBA), which is below the 45 dBA L_{dn} interior noise standard with windows closed for noise-sensitive land uses. For all other homes, interior noise levels are estimated to be approximately 36 dBA L_{dn} with similar windows installed. Therefore, with standard building construction, central air conditioning allowing windows to remain closed, and fixed windows with a minimum Sound Transmission Class (STC) rating of 27 or higher, interior noise levels would meet the City's noise standard and this impact would be less than significant.

Mitigation Measure NOI-2 below requires the installation of specific design features to ensure that the proposed project would comply with the City's noise and land use compatibility standards.

Mitigation Measure NOI-2: In order to comply with the City's noise and land use compatibility standards, the following measures shall be implemented:

- The proposed project shall include the installation of air conditioning which would allow windows to remain closed.
- Standard building construction requirements consisting of windows and doors with a minimum rating of STC-27 are incorporated.

Therefore, with implementation of Mitigation Measure NOI-2, the project would meet the City's land use compatibility standards.

b. Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Ground-borne vibration from construction activity has the potential to be high when activities occur near project boundaries but would be mostly low to moderate as activities are more central to the project site. While there is currently limited information regarding vibration source levels, the levels shown in Table 4.M are utilized in this analysis and are based on the FTA Manual.

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43 Harris, David A, 1997. *Noise Control Manual for Residential Buildings.* July.

44 Milgard, 2008. *Sound Transmission Loss Test Report No. TL08-149*. February.

Table 4.M: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 Feet	
	PPV (in/sec)	L_V (VdB)[1]
Hoe Ram	0.089	87
Large Bulldozer	0.089	87
Caisson Drilling	0.089	87
Loaded Trucks	0.076	86
Jackhammer	0.035	79
Small Bulldozer	0.003	58

Source: *Transit Noise and Vibration Impact Assessment* (FTA 2018).
[1] RMS VdB re 1 µin/sec.
µin/sec = microinches per second
FTA = Federal Transit Administration
in/sec = inches per second
L_V = velocity in decibels
PPV = peak particle velocity
RMS = root-mean-square
VdB = vibration velocity in decibels

The distance to the nearest buildings for vibration impact analysis is measured between the nearest off-site buildings and the project boundary (assuming the construction equipment would be used at or near the project boundary). The formula for vibration transmission is provided below.

$$PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$$

As stated above, it would take a minimum of 94 VdB (or 0.2 in/sec PPV) for damage to occur to a non-engineered timber and masonry building. The project site is bounded by immediately adjacent existing residential uses to the south and existing residential uses across from roadways to the north, west, and east. The closest structures are approximately 8 feet from the project construction area limits. Utilizing the equation above, the operation of typical heavy construction equipment such as large bulldozers and jackhammers would generate ground-borne vibration levels of 0.31 in/sec PPV which would exceed the 0.2 in/sec PPV guideline that is considered safe for non-engineered timber and masonry buildings. Implementation of the following mitigation measure for project construction would reduce potential vibration impacts for receptors within 12 feet of the property line to less-than-significant levels, and therefore would be potential significant.

> **Mitigation Measure NOI-3:**Limit the use of large bulldozers or other similarly heavy construction equipment within 5 feet of the project boundary immediately adjacent to 1073 Blalock.

Therefore, with implementation of Mitigation Measure NOI-3, the project would not cause damage associated with construction vibration impacts.

c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

The project site is not located within the vicinity of a private airstrip. The closest private airport to the project site is the Regional Medical Center heliport (88CA), located approximately 6.5 miles southeast of the project site.

The proposed project site is not within an airport land use plan, or within 2 miles of a public airport or public use airport. The closest airport to the project site is the Norman Y. Mineta San José International Airport, located approximately 5 miles southwest of the project site. The project site is not within the 65 dBA CNEL noise contours of this or any other airport.[45] Therefore, the proposed project would not expose people residing or working in the project area to excessive noise levels and impacts would be less than significant.

[45] Santa Clara County Airport Land Use Commission, 2016. *Comprehensive Land Use Plan for Norman Y Mineta San José International Airport.* November 16.

4.14 POPULATION AND HOUSING

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

a. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? ***(Less-Than-Significant Impact)***

The proposed project would include the construction of 36 residential units. Based on the City's average household size of 3.35 persons,[46] the proposed project would increase the local population by approximately 123 persons. The current population of the City is estimated to be approximately 78,106.[47] The anticipated population growth associated with the proposed project represents less than a 1 percent increase to the City's current population. The City's population is projected to grow to a total of 103,790 by 2040.[48] The proposed project represents approximately 0.47 percent of the population growth anticipated through 2040. Therefore, the proposed project would not result in substantial unplanned population growth in the area, and this impact would be less-than-significant.

b. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? ***(No Impact)***

The project site is largely undeveloped, with the exception of a vacant residential building. Therefore, the proposed project would not result in the displacement of people or housing and would not require the construction of replacement housing elsewhere, and there would be no impact.

46 United States Census Bureau. 2013-2017 American Community Survey 5-Year Estimates. Website: factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_17_5YR_B25010&prodType=table (accessed June 10, 2019).

47 Milpitas, City of, 2019. Milpitas Economic Development. Website: www2.ci.milpitas.ca.gov/economicdev (accessed July 18, 2019).

48 Association of Bay Area Governments and Metropolitan Transportation Commission, 2017. *Projections 2040*. Website: projections.planbayarea.org (accessed June 10, 2019).

4.15 PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i. Fire protection?	☐	☐	☒	☐
ii. Police protection?	☐	☐	☒	☐
iii. Schools?	☐	☐	☒	☐
iv. Parks?	☐	☐	☒	☐
v. Other public facilities?	☐	☐	☒	☐

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: I Fire protection? ii. Police protection? iii. Schools? iv. Parks? V. Other public facilities? ***(Less-Than-Significant Impact)***

Fire Protection. Fire suppression, emergency medical and rescue services, and other life safety services are provided to the project area and the site by the Fire Department. There are four fire stations within the City, with the closest to the project site being Fire Station 3 at 45 Midwick Drive, approximately 1.6 miles west of the project site.

As noted above, the proposed project would result in an incremental increase in the population of the City and therefore incrementally increase the demand for emergency fire services and emergency medical services. However, the proposed project would be required to comply with all applicable codes for fire safety and emergency access. In addition, the Fire Department would also review the site plans and Fire Access Plan for the proposed project to ensure that adequate emergency access is provided prior to issuance of a building permit.

The Fire Department would continue providing services to the project site and would not require additional firefighters to serve the proposed project. The construction of a new or expanded fire station would also not be required. The proposed project would not result in a significant impact on the physical environment due to the incremental increase in demand for fire protection and life safety services, and the potential increase in demand for service is not expected to adversely affect existing response times to the site or within the City. Therefore, construction and operation of the proposed project would have a less-than-significant impact on fire protection and safety services and facilities.

Police Protection. The City of Milpitas Police Department (Police Department) provides police protection to the project area and project site. The Police Department headquarters are located at 1275 N. Milpitas Boulevard, approximately 1.7 miles northwest of the project site. Development of the proposed project would increase the population on the project site and incrementally increase demand for emergency police services to the project site. However, the Police Department would continue to provide service to the project site and would not require additional officers to serve the project site. The construction of new or expanded police facilities would not be required. Therefore, the proposed project would not result in a substantial adverse impact associated with the provision of additional police facilities or services, and impacts to police services represent a less-than-significant impact.

Schools. The Milpitas Unified School District (MUSD) operates 16 schools, including a child development center, 10 elementary schools (grades K-5), 2 middle schools (grades 6-8), one high school (grades 9-12), one continuation high school, and one adult education school.[49]

The estimated number of students the proposed project would generate is derived by multiplying the number of students per dwelling unit (the student yield factor) by the number of dwelling units in the proposed project (36 new units). MUSD has not developed student generation rates to estimate the number of students that might be anticipated with new development. However, the California State Allocation Board Office of Public School Instruction reports that the Statewide student yield factor of 0.7 students per dwelling unit is applicable for unified school districts. Applying the Statewide average student yield factor, the proposed project would generate 25 students.

Senate Bill 50 (SB 50), which revised the existing limitation on developer fees for school facilities, was enacted as urgency legislation which became effective on November 4, 1998 as a result of the California voters approving a bond measure (Proposition 1A). SB50 established a 1998 base amount of allowable developer fees (Level One fee) for residential construction (subject to adjustment) and prohibits school districts, cities, and counties from imposing school impact mitigation fees or other requirements in excess or in addition to those provided in the statute.

The MUSD requires payment of a school impact fee of $4.34 per square foot of residential development. The project sponsor would be required to pay this fee, prior to issuance of a certificate of occupancy. The MUSD is responsible for implementing the specific methods for mitigating school impacts under the Government Code. These fees would be directed towards maintaining adequate service levels, which would ensure that any impact to schools that could result from the proposed Project would be offset by development fees, and in effect, reduce potential impacts to a less-than-significant level.

Parks. Development of the proposed project could increase the use of parks within the vicinity of the project site, including Calle Oriente Mini-Park, Cardoza Park, Oliver W. Jones Memorial Park, and Sandalwood Park, and within the region, including Ed R. Levin County Park and the Mission Peak Regional Preserve. However, this increase in use is not expected to adversely affect the physical conditions of local and regional open space areas or recreational facilities, or require the provision

[49] Milpitas Unified School District, 2018. Website: www.musd.org/about.html (accessed April 3, 2019).

of new parks or facilities. Specifically, the proposed project is anticipated to increase the City population by less than one half of one percent. The proposed project would not result in a substantial increase in demand for park or recreation services in the vicinity, such that new facilities would be required to serve the project. Therefore, the proposed project would have a less-than-significant impact related to the provision of park and recreational facilities.

Other Public Facilities. Development of the proposed Project could also increase demand for other public services, including libraries, community centers, and public health care facilities. However, due to the minimal increase in population, the proposed Project would not result in a substantially increase the use of these facilities, such that new facilities would be needed to maintain service standards, as these facilities are not currently overused and have capacity to serve new demand. Therefore, impacts to other public facilities would be less than significant.

4.16 RECREATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? ***(Less-Than-Significant Impact)***

As discussed in Section 4.14, Public Services, residents of the proposed project would be expected to use local parks and community facilities within the City as well as regional recreational facilities. Although the proposed project would incrementally increase use of these facilities, this minor increase in use is not expected to result in substantial physical deterioration of local parks, trails, and community centers and this impact would be less than significant. Specifically, the proposed project is anticipated to increase the City's population by less than one half of one percent and these facilities are anticipated to have capacity to serve this minimal increase in demand. Therefore, the proposed project would have a less-than-significant impact on existing parks or other recreational facilities.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? ***(Less-Than-Significant Impact)***

The proposed project would involve development of the project site with residential uses. The proposed project does not include or require the construction or expansion of existing public recreational facilities. Therefore, development of the proposed project and associated recreational opportunities for use by project residents would not result in additional environmental effects beyond those described in this document, and no impact would occur.

4.17 TRANSPORTATION

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b. Conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)?	☐	☐	☐	☒
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

The following section is based on the information provided in the Traffic Study prepared for the proposed project by Hexagon Transportation Consultants, included in Appendix G.[50] The Traffic Study evaluates the transportation impacts that could result from the proposed project, including impacts associated with traffic congestion, transit services, and pedestrian and bicycle circulation.[51]

a. Would the project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? ***(Less-Than-Significant Impact)***

Overview. The Traffic Study for the proposed project was conducted in accordance with the standards and methodologies prescribed by the City. Given that the proposed project is estimated to generate fewer than 100 peak hour vehicle trips, as shown below, a Congestion Management Program (CMP) analysis is not required. The Traffic Study includes an analysis of AM and PM peak hour traffic conditions for three signalized intersections and two unsignalized intersections within the vicinity of the project site. The Traffic Study also includes an analysis of site access and on-site circulation, as well as potential impacts to transit, bicycle and pedestrian facilities, and parking. Based on consultation with the City, the following intersections were analyzed for the proposed project:

1. North Park Victoria Drive and Jacklin Road;

2. North Park Victoria Drive and Country Club Drive (unsignalized); and

3. North Park Victoria Drive and Creed Street (unsignalized)

50 Hexagon Transportation Consultants, Inc., 2019, op. cit.

51 It should be noted that the analysis in this section is based on the development of 37 residential units on the project site. The proposed project has since been revised to include 1 fewer unit (36 units are proposed). Therefore, the analysis of potential impacts is conservative and is slightly overestimated.

Traffic conditions at the study intersections were analyzed for both the weekday AM and PM peak hours of adjacent street traffic. The AM peak hour typically occurs between 7:00 a.m. and 9:00 a.m. and the PM peak hour between 4:00 p.m. and 6:00 p.m. on a regular weekday. These are the peak commute hours during which most traffic congestion occurs on the roadways.

Study intersections were evaluated under four different scenarios to determine the proposed project's effects on level of service. These scenarios provide a detailed analysis of the incremental effects of the proposed project on traffic conditions, and allow a comparison of the traffic anticipated to be generated by the proposed project to the amount of traffic expected to be generated by future development. Each of the scenarios is described below.

- **Existing Conditions.** Existing conditions are represented by existing peak hour traffic volumes on the existing roadway network. Existing traffic volumes were obtained from recent traffic counts conducted in April 2019 (available in the Traffic Study appendix).

- **Existing plus Project Conditions.** Project-generated traffic volumes were added to existing traffic volumes to estimate existing plus project traffic volumes. Existing plus Project Conditions were evaluated relative to existing conditions in order to determine potential project impacts.

- **Cumulative Conditions.** Cumulative conditions (without the project) were estimated by applying growth factors derived from the City of Milpitas Travel Demand Forecast Model. No improvements to the study intersections were assumed under this scenario.

- **Cumulative plus Project Conditions.** Project trips from the site were added to Cumulative traffic volumes to estimate Cumulative plus Project conditions. Cumulative plus Project Conditions were evaluated relative to Cumulative Conditions (without the project) in order to determine potential project impacts.

A background conditions scenario was not included in this analysis because there are no approved but not yet constructed developments that would add traffic to the study intersections.

Analysis Methodology. Traffic conditions within the study area are assessed through the evaluation of intersection Levels of Service (LOS). LOS is a qualitative description of operating conditions ranging from LOS A, or free-flowing conditions with little or no delay, to LOS F, or jammed conditions with excessive delays. The City utilizes TRAFFIX software and the Highway Capacity Manual (HCM) methodology to evaluate intersection operations. The HCM methodology evaluates intersection operations on the basis of average delay time for all vehicles at the intersection. For side-street-stop-controlled (SSSC) intersections, HCM also provides the level of service and delay for operations on the worst approach. The delay can then be correlated to a level of service. The correlation between average control delay and level of service at signalized intersections is shown in Table 4.N.

Table 4.N: Signalized Intersection Level of Service Definitions Based on Control Delay

Level of Service	Description	Average Control Delay Per Vehicle (seconds)
A	Operations with very low delay occurring with favorable progression and/or short cycle lengths.	Up to 10.0
B	Operations with low delay occurring with good progression and/or short cycle lengths.	10.1 to 20.0
C	Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear.	20.1 to 35.0
D	Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop and individual cycle failures are noticeable.	35.1 to 55.0
E	Operations with high delay values indicating poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay.	55.1 to 80.0
F	Operation with delays unacceptable to most drivers occurring due to oversaturation, poor progression, or very long cycle lengths.	Greater than 80.0

Source: Transportation Research Board, *2010 Highway Capacity Manual* (2010).

At signalized intersections in Milpitas, the minimum acceptable level of service is LOS D. According to the City of Milpitas, project impacts at signalized intersections occur when:

1. The level of service at an intersection drops below its LOS standard when project traffic is added; or

2. An intersection that is operating worse than its level of service standard under no project conditions has an increase in critical delay of four or more seconds AND the demand-to-capacity ratio (V/C) is increased by more than 0.01 when project traffic is added.

The exception to this threshold is when the addition of project traffic reduces the amount of average delay for critical movements (i.e., the change in average delay for critical movements is negative). In that case, the threshold is when the project increases the critical V/C value by 0.01 or more.

A significant impact at a signalized intersection is said to be satisfactorily mitigated when measures are implemented that would restore intersection levels of service to an acceptable LOS or restore the intersection to operating levels that are better than no project conditions.

Unlike signalized intersections, which typically represent constraint points for the roadway network, unsignalized intersections rarely limit the potential capacity of a roadway. The determination of appropriate improvements to unsignalized intersections typically includes a qualitative and quantitative analysis of movement delay, traffic signal warrants, movement traffic volumes, availability of alternate routes, and intersection safety. For this reason, improvements to unsignalized intersections are frequently determined on the basis of professional engineering judgment. The City of Milpitas does not apply significance thresholds to unsignalized intersections.

Both unsignalized study intersections are SSSC. For SSSC intersections, levels of service and delays are calculated for both the overall average delay for the intersection, and for the approach with highest delay. The correlation between average control delay and LOS for unsignalized intersections is shown in Table 4.O.

Table 4.O: Unsignalized Intersection Level of Service Definitions Based on Delay

Level of Service	Description	Average Control Delay Per Vehicle (seconds)
A	Little or no traffic delay	Up to 10.0
B	Short traffic delays	10.1 to 15.0
C	Average traffic delays	15.1 to 25.0
D	Long traffic delays	25.1 to 35.0
E	Very long traffic delays	35.1 to 50.0
F	Extreme traffic delays	Greater than 50.0

Source: Transportation Research Board, *2010 Highway Capacity Manual,* 2010.

Project Trip Estimates. The amount of traffic produced by a new development and the locations where that traffic would appear are typically estimated using a three-step process: (1) trip generation; (2) trip distribution; and (3) trip assignment. In determining project trip generation, the magnitude of traffic entering and exiting the site was estimated for the weekday AM and PM peak hours. As part of the project trip distribution step, an estimate was made of the directions to and from which the project trips would travel. In the project trip assignment step, the project trips were assigned to specific streets and intersections in the study area.

Project trip generation was estimated by applying to the size and uses of the development the appropriate trip generation rates published by the Institute of Transportation Engineers (ITE) in Trip Generation, 10th Edition. Based on ITE's trip generation rates for single family detached housing (ITE code 210), the project would generate 349 daily vehicle trips, with 28 trips occurring during the AM peak hour and 37 trips occurring during the PM peak hour, as shown in Table 4.P. Because the existing single family home has been vacant for a long period of time and the site does not currently generate any traffic, no trip credit was applied.

Table 4.P: Project Trip Generation Estimates

Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
		Rate	Trips	Rate	In	Out	Total	Rate	In	Out	Total
Proposed Uses											
Detached Single Family Units[1]	37 units	9.44	349	0.74	28	7	21	0.99	37	23	14

Source: *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences* (Hexagon Transportation Consultants, Inc. 2019)
Note: The proposed project has since been revised to include 1 fewer unit (36 units are proposed). Therefore, the analysis of potential impacts is conservative and is slightly overestimated.
[1] Rate based on ITE Trip Generation, 10th Edition for Single Family Detached Housing (ITE 210).

The trip distribution pattern, shown in Figure 4-2, for the proposed project was developed based on existing travel patterns on the surrounding roadway system and the locations of complementary land uses. The peak hour vehicle trips generated by the project were assigned to the roadway network in accordance with the trip distribution pattern.

Existing and Existing Plus Project Conditions. Existing traffic volumes are shown in Figure 4-3 and the result of the intersection LOS analysis under Existing Conditions are shown in Table 4.Q. As shown in Table 4.Q, all intersections currently operate at an acceptable LOS (LOS D or better).

Existing plus Project traffic volumes are shown in Figure 4-4 and the results of the intersection LOS analysis under Existing plus Project Conditions are shown in Table 4.Q. As shown in Table 4.Q, all of the study intersections would continue to operate at LOS C or better during the AM and PM peak hours.

Table 4.Q: Existing Plus Project Level of Service Summary

Intersection	Traffic Control	Peak Hour	LOS Standard[1]	No Project		With Project			
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Increase in Avg. Delay[2]	Increase in V/C
North Park Victoria Drive and Creed Street	SSSC	AM	N/A	1.2/8.9	A/A	2.0/9.0	A/A	0.8/0.1	N/A
		PM	N/A	0.7/9.3	A/A	1.5/9.3	A/A	0.8/0.0	N/A
North Park Victoria Drive and Country Club Drive	SSSC	AM	N/A	1.3/10.0	A/A	1.3/10.2	A/B	0.0/0.2	N/A
		PM	N/A	1.5/10.4	A/B	1.5/10.7	A/B	0.0/0.3	N/A
North Park Victoria Drive and Jacklin Road	Signal	AM	D	24.1	C	24.3	C	0.3	0.011
		PM	D	20.8	C	21.0	C	0.1	0.006

Source: *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences* (Hexagon Transportation Consultants, Inc. 2019)
Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual methodology. Signalized intersections levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersection are reported for both the overall average delay/the approach with the highest delay.
[1] There is no LOS standard for unsignalized intersections.
[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay/the approach with the highest delay.

Cumulative and Cumulative plus Project Conditions. Cumulative traffic volumes are shown in Figure 4-5 and the results of the intersection LOS analysis under Cumulative Conditions are shown in Table 4.R. As shown in Table 4.R, all intersections currently operate at an acceptable LOS.

Cumulative plus Project traffic volumes are shown in Figure 4-6 and the results of the intersection LOS analysis under Cumulative plus Project Conditions are shown in Table 4.R. As shown in Table 4.R, all of the study intersections would continue to operate at LOS C or better during the AM and PM peak hours.

Table 4.R: Cumulative Plus Project Level of Service Summary

Intersection	Traffic Control	Peak Hour	LOS Standard[1]	No Project		With Project			
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Increase in Avg. Delay[2]	Increase in V/C
North Park Victoria Drive and Creed Street	SSSC	AM	N/A	1.2/8.9	A/A	2.0/9.0	A/A	0.8/0.1	N/A
		PM	N/A	0.7/9.4	A/A	1.5/9.4	A/A	0.8/0.0	N/A
North Park Victoria Drive and Country Club Drive	SSSC	AM	N/A	1.4/10.1	A/B	1.4/10.3	A/B	0.0/0.2	N/A
		PM	N/A	1.5/10.5	A/B	1.5/10.8	A/B	0.0/0.3	N/A
North Park Victoria Drive and Jacklin Road	Signal	AM	D	24.4	C	24.6	C	0.3	0.011
		PM	D	21.2	C	21.4	C	0.1	0.005

Source: *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences* (Hexagon Transportation Consultants, Inc., 2019)
Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual methodology. Signalized intersections levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersection are reported for both the overall average delay/the approach with the highest delay.
[1] There is no LOS standard for unsignalized intersections.
[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay/the approach with the highest delay.

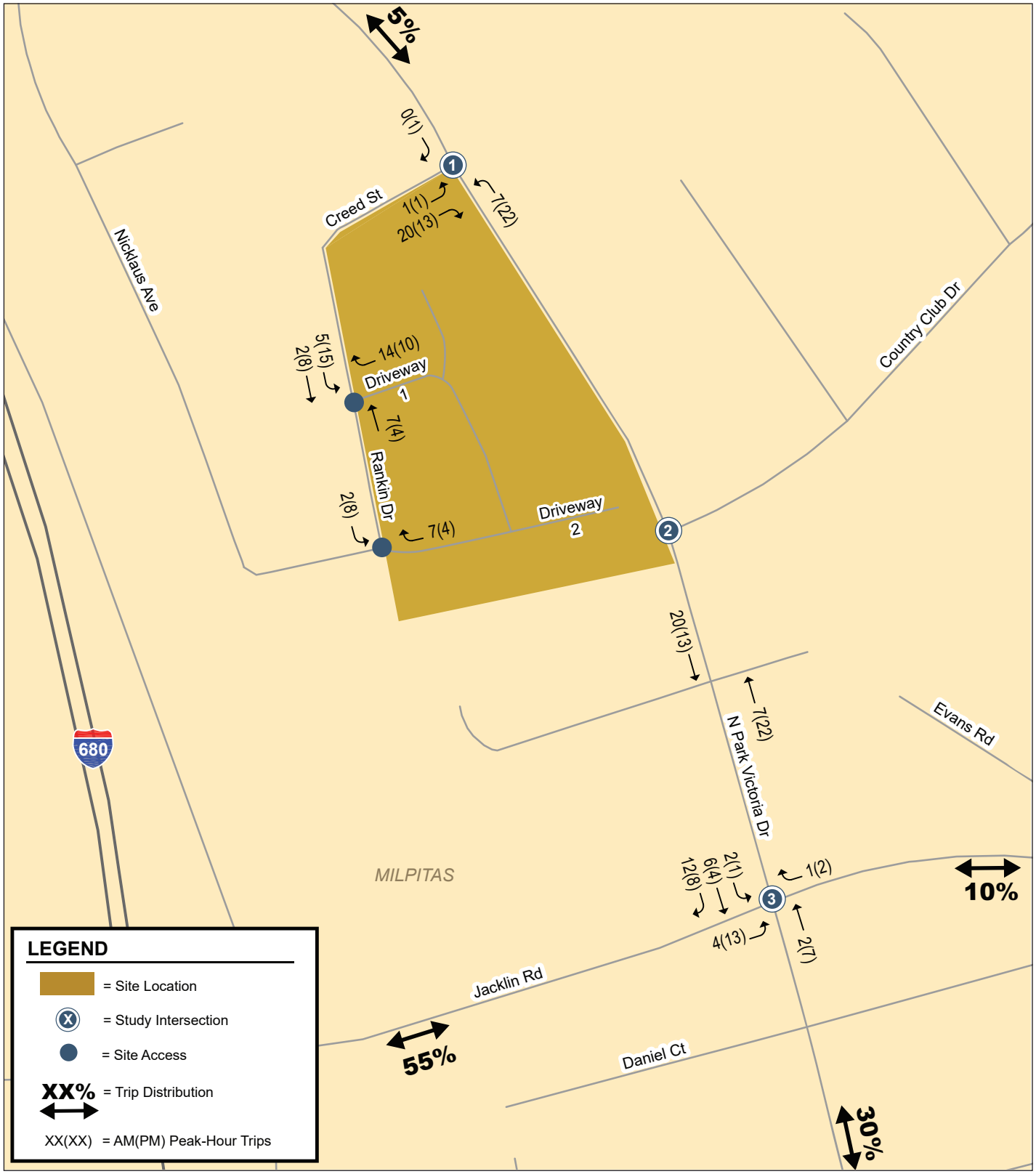
Pedestrian, Bicycles, and Transit Analysis. The potential impacts of the project on pedestrian, bicycle and transit are described below.

Pedestrian Facilities. Observations at the study intersections showed minimal pedestrian activity at the study intersections. The most pedestrian activity was observed at the intersection of North Park Victoria Drive and Jacklin Road, with 8 pedestrian crossings in the AM peak hour and 14 pedestrian crossings in the PM peak hour for all approaches combined.

According to the U.S. Census, pedestrian trips comprise approximately one percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming one percent of total commute trips would be walking trips, there would be approximately one pedestrian trip during each of the AM and PM peak hours. The proposed project also would generate pedestrian trips to/from transit stops, recreation areas, and employment centers. The volume of pedestrian trips generated by the project would not exceed the carrying capacity of the sidewalks and crosswalks nearby.

There are currently no sidewalks along any of the project frontages, including the frontage along North Park Victoria Drive. Although very few pedestrian trips are anticipated to and from the site, the City's General Plan policies encourage non-motorized travel, including walking, bicycling, and transit.

Consistent with existing City policies, the proposed project would include a continuous sidewalk connection along its frontages along North Park Victoria Drive, Creed Street, and Rankin Drive. Therefore, the proposed project would have a less-than-significant impact on pedestrian facilities.



LSA

FIGURE 4-2

NOT TO SCALE

SOURCE: HEXAGON, JUNE 2019.

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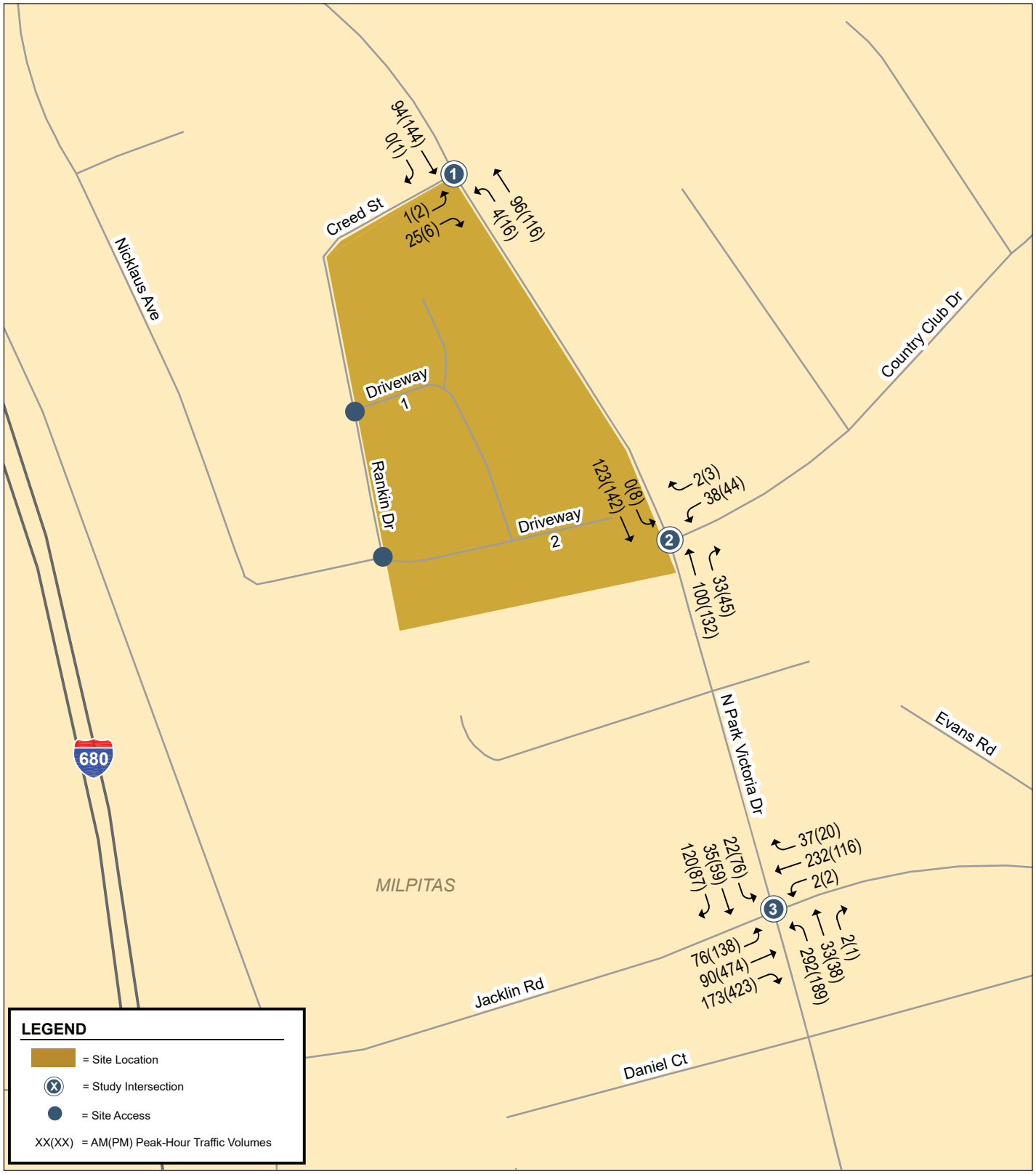
1005 North Park Victoria Project I

Project Trip Distribution and Assig



LSA

FIGURE 4-3

N

NOT TO SCALE

SOURCE: HEXAGON, JUNE 2019.

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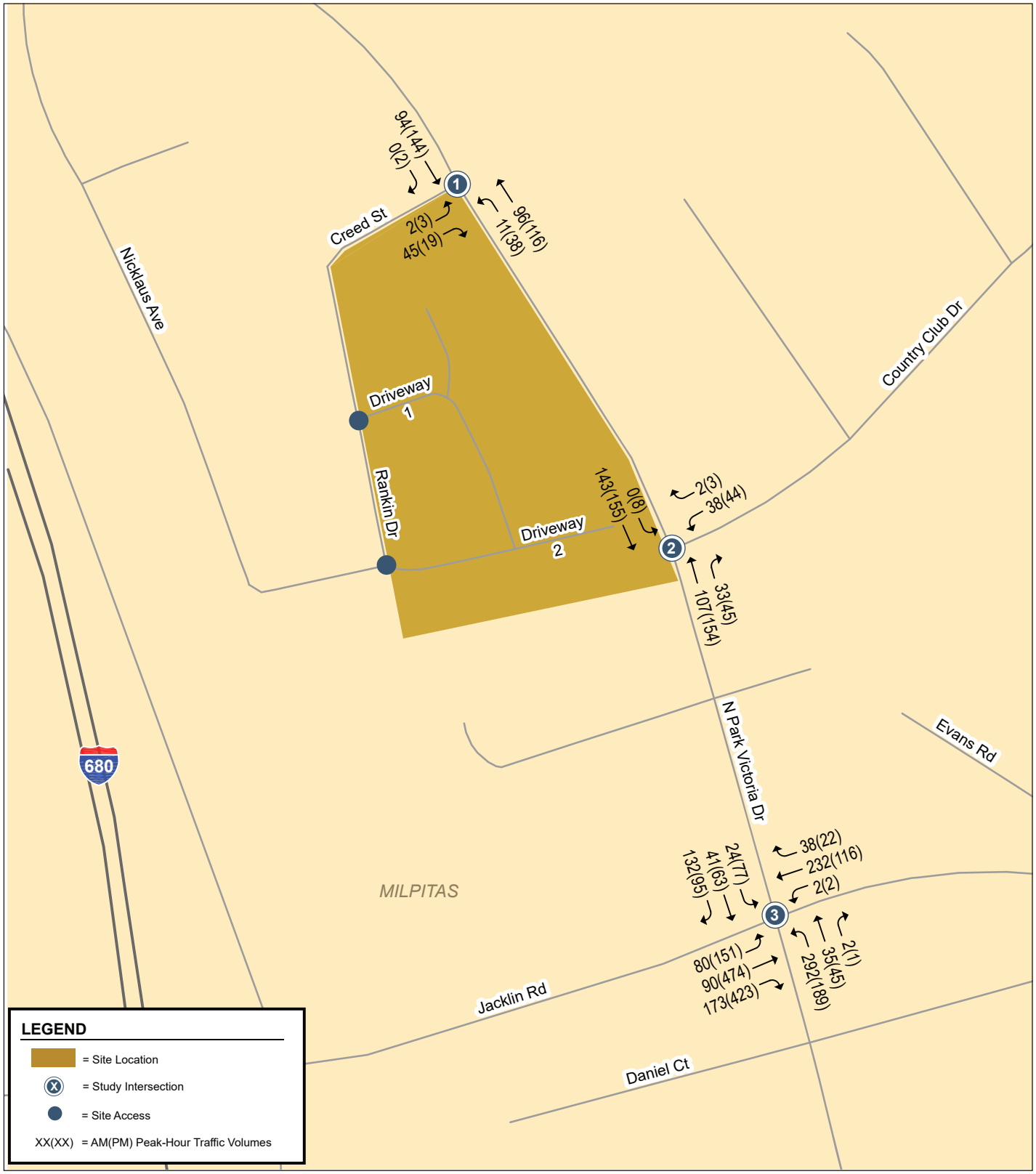
1005 North Park Victoria Project I

Existing Traffic V



LSA

FIGURE 4-4

N

NOT TO SCALE

SOURCE: HEXAGON, JUNE 2019.

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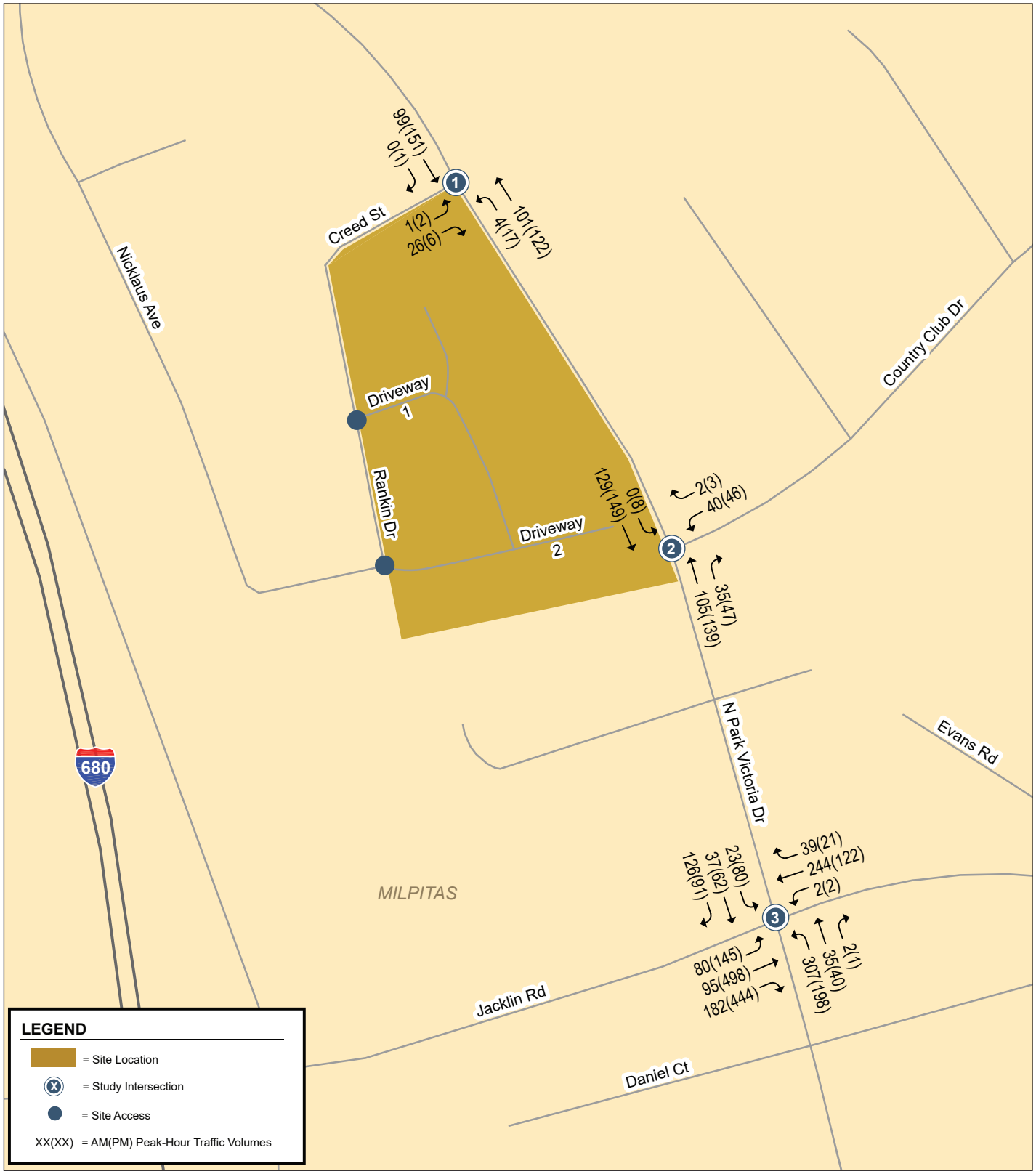
1005 North Park Victoria Project I

Existing Plus Project Traffic V



LSA

FIGURE 4-5

NOT TO SCALE

SOURCE: HEXAGON, JUNE 2019.

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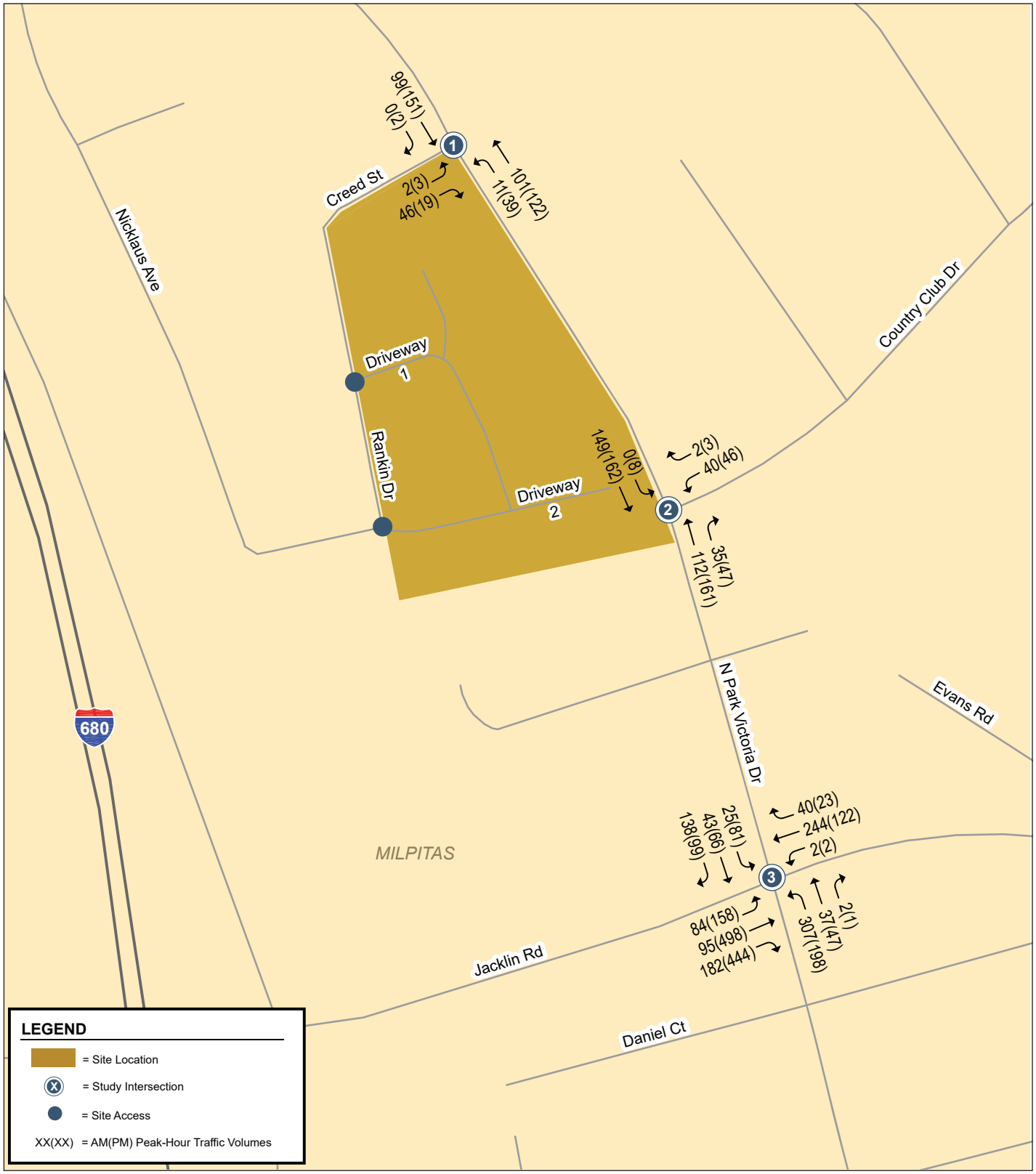
1005 North Park Victoria Project I

Cumulative No Project Traffic V



LSA

FIGURE 4-6

N

NOT TO SCALE

SOURCE: HEXAGON, JUNE 2019.

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1005 North Park Victoria Project I

Cumulative With Project Traffic V

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Bicycle Facilities. U.S. Census data indicates that bicycle trips comprise less than one percent of the total commute mode share in the City of Milpitas. For the proposed project, this would equate to approximately one new bike trip during each of the AM and PM peak hours. The low volume of bicycle trips generated by the project would not exceed the bicycle-carrying capacity of streets surrounding the site, and the increase in bicycle trips would not by itself require new off-site bicycle facilities. The existing bike lanes on North Park Victoria Drive would be unaffected by the proposed on-street parking along the project frontage.

According to the CMP Transportation Impact Analysis Technical Guidelines, a project would create an impact on pedestrian and bike circulation if: (1) it would reduce, sever or eliminate existing or planned bike/pedestrian access and circulation in the area; (2) it would preclude, modify, or otherwise affect proposed bicycle and pedestrian projects and/or policies identified in the Lead Agency's adopted bicycle/pedestrian plan or the plans of other agencies such as the County's bicycle plan or adjacent Cities' bicycle/pedestrian plans; or (3) it would cause a change to existing bike paths such as alignment, width of the trail right of way, or length of the trail. Construction of the proposed project would not cause any of these criteria to be met. Therefore, the proposed project would have a less-than-significant impact related to bicycle facilities.

Transit Service. According to the U.S. Census, transit trips comprise approximately 3 percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming 3 percent of total commute trips would be transit trips, there would be approximately one transit trip during each of the AM and PM peak hours. In addition to commute trips, there would be additional transit trips to nearby schools, parks, and shopping areas. The low volume of transit trips generated by the project would not exceed the carrying capacity of the existing transit service to the site.

According to the VTA TIA Technical Guidelines, a project would create an impact on transit if: (1) it would generate a demand for additional transit services; or (2) it would cause a permanent or temporary reduction of transit availability or interference with existing transit users (e.g., relocation/closure of a transit stop or vacation of a roadway utilized by transit). The proposed project, by itself, would not require additional transit service to the area or improvements to existing transit service frequencies. The proposed project would not preclude, modify or otherwise affect existing or proposed transit projects or policies identified by the VTA. Therefore, the proposed project would have a less-than-significant impact related to transit service.

b. Would the project conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)? ***(No Impact)***

Effective December 28, 2018, the CEQA Guidelines were updated and require the evaluation of VMT as the criteria for analyzing transportation impacts for land use projects. As noted in CEQA Guidelines Section 15064.3(c), the provisions of CEQA Guidelines Section 15064.3 shall apply prospectively as described in CEQA Guidelines Section 15007. A lead agency may elect to be governed by the provisions of CEQA Guidelines Section 15064.3 immediately; however, beginning on July 1, 2020, the provisions of this section shall apply statewide. The City of Milpitas, as lead

agency, has not yet elected to be governed by the provisions of CEQA Guidelines Section 15064.3. Therefore, the proposed project would neither conflict nor be inconsistent with CEQA Guidelines Section 15064.3, and there would be no impact.

c. Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? ***(Less-Than-Significant Impact)***

Site Access. The project site would be accessed by two driveways on Rankin Drive, which is accessible to North Park Victoria Drive by way of Creed Street. Rankin Drive is a two-lane residential street approximately 27 feet wide with on-street parking on the west side. Rankin Drive forms the western border of the site. The site would have no private driveway access from North Park Victoria Drive. According to the site plan, the project would include the construction of a sidewalk and provision of on-street parking recessed from the alignment of the existing southbound bike lane along North Park Victoria Drive. As described previously, the on-street parking and attendant design features would not affect the existing southbound bike lane. This design is consistent with the existing cross-section of North Park Victoria north of the project site, which allows for vehicular parking adjacent to a bike lane. According to the Statewide Integrated Traffic Records System (SWITRS), there have been no vehicular accidents on North Park Victoria Drive north of Country Club Drive in the past three years.

The north driveway is shown on the site plan to be 28 feet wide, located approximately 200 feet south of Creed Street. The south driveway is shown on the site plan to be 26 feet wide, located approximately 250 feet south of the north driveway, opposite Nicklaus Avenue.

Vehicle queuing was assessed for the two site driveways, in particular, the inbound left turns into the driveways and the outbound right turns out of the driveways. The inbound left turns from southbound Rankin Drive into the driveways are assessed in terms of potential for creating backups on southbound Rankin Drive as a result of waiting to turn into the site. With Rankin Drive having one lane in each of the northbound and southbound directions, any stoppage of vehicles on Rankin Drive at the driveways could create a backup on Rankin Drive. The volume of peak-hour traffic on the section of Rankin Drive fronting the site is currently very low, equating to one car every two minutes, on average. With this low volume of traffic, gaps in traffic would be of sufficient frequency and duration as to provide relatively free and unimpeded left-turn access into the driveways.

The outbound turns out of the site driveways are assessed in terms of potential for creating backups on site, specifically, the potential for westbound vehicle queues to back up from Rankin Drive and block one of the residence's driveways on site. At both driveways, the distance from Rankin Drive back to the first driveway is about 35 feet- sufficient for one car length. The outbound volumes would be highest in the AM peak hour. The AM peak-hour volume of outbound vehicles is 14 cars at the north driveway and 7 cars at the south driveway. As stated above, the volume of traffic on the section of Rankin Drive fronting the site would be low enough that any on-site vehicle queues exceeding one car would be infrequent and brief in duration.

Vehicular sight distance was evaluated for each proposed project driveway. Given the existing conditions on Rankin Drive- the 25-mile-per-hour speed limit, the low volume of traffic, and the

absence of physical obstructions, the sight distance at both driveways would be adequate. The only factors potentially affecting sight distance are on-street parking and any new physical obstructions that would accompany development of the site. The site plan does not show any on-street parking proposed on Rankin Drive.

Site Circulation. The on-site circulation system consists of a semi-rectangular loop connecting the North and South Driveways. From the northern end of the loop extends a 105-foot, north-south cul-de-sac parallel to Rankin Drive. From the southern end of the loop extends a 150-foot, east-west, cul-de-sac.

The streets on-site are shown to be two-lanes wide with parking on-street. The northern half of the north-south street, the east-west street at the north, and the two cul-de-sacs are shown to be 28-feet wide with parking on one side. The southern half of the north-south street and the east-west street at the south are shown to be 36-feet wide with parking on both sides. The curb radii at the intersecting streets are not specified, but they appear to be adequate, measuring a minimum of 20 feet. With sidewalks along each on-site street, the building setbacks, and the low vehicle speeds and volumes, the sight distances at the intersections on site would be satisfactory.

The two cul-de-sacs are, by definition, dead-end streets. Neither provide space for a turnaround. However, since the streets are private streets used only by residents or their guests, all vehicles entering the cul-de-sacs would likely be assured a place to park or place to turn around. Therefore, the dead ends are not inappropriate for the project use.

The on-site street circulation – street alignments, widths and corner radii – is adequate to accommodate the circulation of trucks, garbage collection, and emergency vehicles. The length of the cul-de-sacs should be short enough (105 feet and 150 feet) to accommodate fire department services. Loading would be provided on street or in private driveways.

Pedestrian circulation on-site, and pedestrian access to off-site pedestrian facilities, appears adequate. All streets on-site are shown to have sidewalks on both sides, and sidewalks are shown to be provided along all public streets fronting the site- North Park Victoria Drive, Creed Street and Rankin Drive, none of which currently have sidewalks. At the east end of the east-west street on south side of the site, the sidewalk is shown extended to the proposed new sidewalk on North Park Victoria Drive. This would provide residents with convenient pedestrian access to pedestrian facilities off site.

The site plan does not indicate any provisions for bicycle parking. The Milpitas city code requires bicycle parking be provided in an amount equal to or greater than 5 percent of the total vehicle parking required. It is assumed that for the proposed project, bicycle parking would be provided within private garages.

Given the above, the proposed project would not substantially increase hazards due to a geometric design feature or incompatible use, and this impact would be less than significant.

d. Would the project result in inadequate emergency access? ***(Less-Than-Significant Impact)***

The design, construction, and maintenance of project access locations and on-site roads would be in compliance with the City's Municipal Code and would meet all emergency access standards. The Milpitas Fire Department would also review the proposed site plan and Fire Access Plan and would provide input on final design in relation to emergency access prior to issuance of a building permit. As noted in Section 4.17.c, the proposed project would be able to accommodate emergency vehicles. Additionally, as noted in Section 4.17.a, the proposed project would not result in a significant increase in the amount of traffic volume on the local roadway network. Therefore, the project would have a less-than-significant impact on emergency access.

4.18 TRIBAL CULTURAL RESOURCES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)? Or	☐	☐	☐	☒
ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒

a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)? Or ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. ***(No Impact)***

Assembly Bill 52 (AB 52), which became law on January 1, 2015, provides for consultation with California Native American tribes during the CEQA environmental review process, and equates significant impacts to "tribal cultural resources" with significant environmental impacts.

The consultation provisions of the law require that a public agency consult with local Native American tribes that have requested placement on that agency's notification list for CEQA projects. Within 14 days of determining that a project application is complete, or a decision by a public agency to undertake a project, the lead agency must notify tribes of the opportunity to consult on the project, should a tribe have previously requested to be on the agency's notification list. California Native American tribes must be recognized by the NAHC as traditionally and culturally

affiliated with the project site, and must have previously requested that the lead agency notify them of projects. Tribes have 30 days following notification of a project to request consultation with the lead agency.

The purpose of consultation is to inform the lead agency in its identification and determination of the significance of tribal cultural resources. If a project is determined to result in a significant impact on an identified tribal cultural resource, the consultation process must occur and conclude prior to adoption of a Negative Declaration or Mitigated Negative Declaration, or certification of an Environmental Impact Report (PRC Sections 21080.3.1, 21080.3.2, 21082.3).

The NAHC in West Sacramento was contacted to review its Sacred Lands File to identify Native American sacred sites at or near the project site. Ms. Gayle Totton, NAHC Associate Governmental Program Analyst, stated in a letter dated April 26, 2019, that "*The result of any Sacred Lands File (SLF) check [of the project site] conducted through the Native American Heritage Commission was negative.*" Ms. Totton also provided a list of six local Ohlone tribes, each of which the City contacted via letter on May 16, 2019 to notify these tribes of their opportunity to consult regarding the project's potential impacts to tribal cultural resources.

No California Native American tribe formally requested consultation notifications with the City during the required 30-day notification period, consistent with the requirements of PRC 21080.3.1. As such, tribal consultation for the proposed project was not required for this project.

As discussed in the Cultural Resources section of this Initial Study, the NWIC records search and the archaeological survey completed for the project did not identify evidence of Native American archaeological deposits or ancestral remains. The proposed project would have no impact on known tribal cultural resources that are listed or eligible for listing in the California Register of Historical Resources or a local register of historical resources, nor has the City identified a tribal cultural resource at the project site.

4.19 UTILITIES AND SERVICE SYSTEMS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

a. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? ***(Less-Than-Significant Impact)***

The City of Milpitas maintains existing sanitary sewer lines within the vicinity of the site, including an 8-inch line within the existing streets that surround the project site on the north, east, and west sides, and a 12-inch line that runs along the southern border of the project site. The proposed project includes the installation of a new on-site 8-inch wastewater line that would connect to the City's existing line. The new sanitary sewer line would be constructed in conformance with City standards, and its construction would not cause significant environmental effects.

The City's potable water supply is provided by the San Francisco Public Utilities Commission (SFPUC) and the SCVWD.[52] The project site is served by water provided by the SCVWD. The City's potable water system has 245 miles of water mains, 5 water tanks, 5 pump stations, 16 pressure regulating valves, an emergency supply well and emergency interties. The City also operates and maintains a recycled water system owned by the City of San José South Bay Water Recycling (SBWR) program.[53] The current SCVWD water supply delivered to the City is limited to surface water largely purchased by SCVWD from the State Water Project and Central Valley Project, however, SCVWD's overall water

[52] Milpitas, City of, 2016. *2015 Urban Water Management Plan*. Available online at: www.ci.milpitas.ca.gov/wp-content/uploads/2015/07/Adopted-2015-Milpitas-UWMP-Revised-6-27-16.pdf (accessed June 10, 2019). June.

[53] Ibid.

supply comes from a variety of sources. Specifically, nearly half of SCVWD's water comes from local groundwater aquifers and more than half is imported from the Sierra Nevada through pumping stations in the Sacramento-San Joaquin River Delta.

The City updated its Urban Water Management Plan (UWMP) in 2015, which was adopted in 2016. According to the UWMP, the annual water use in 2015 was 8,774 acre-feet. As discussed in Section 4.19.b, the proposed project would not substantially increase demand for water and would therefore not exceed the capacity of existing water treatment facilities. The proposed project would not require the construction of new water treatment facilities, or the expansion of existing facilities, other than those already planned as part of the City's Water Master Plan. The proposed project would include the installation of new 12-inch water lines within the project site, the abandonment of the existing 12-inch water line that runs along the southern portion of the site, and the installation of a new 12-inch water line along the southern border, and a connection to the existing 8-inch water service line located within Rankin Drive and Blalock Street. The proposed project would connect directly to existing mains, which have sufficient capacity to accommodate the proposed project. Therefore, the impact of the proposed project on water infrastructure would be less than significant.

The proposed storm drainage infrastructure would drain towards the western edge of the site into 27 underground storage vaults, which would connect to a new 15-inch storm drain. From there stormwater would drain to the existing 15-inch storm drain within Rankin Drive. Bioretention areas would also be incorporated into the landscape design of the proposed project to provide appropriate vegetation and water quality treatment in vegetated areas. In addition, on-site drainage would be designed consistent with the Santa Clara County NPDES C.3 requirements for LID. Therefore, the impact of the proposed project on stormwater infrastructure would be less than significant.

The proposed project would include connections to the existing electrical and gas infrastructure in the vicinity of the project site, and would not require any new infrastructure, aside from project-specific tie-ins and lines to serve the proposed project.

Therefore, because the proposed project would connect to existing utility services within or adjacent to the project site, the relocation or reconstruction of new or expanded water, wastewater treatment or stormwater drainage, electric power, or telecommunications facilities would not be required, and this impact would be less than significant.

b. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? ***(Less-Than-Significant Impact)***

The City of Milpitas provides water to the project site. Currently, the source of domestic water used in Milpitas includes the SFPUC and SCVWD. SFPUC water is primarily used for residential areas in the City and the SCVWD water is used to supply industrial areas, including the project site. The City's 2016 UWMP describes the existing and planned sources of water available in the water system service area over the next 20 years, in 5-year increments.

The City has determined that existing water supply entitlements are sufficient and no additional water supply entitlements are necessary. The UWMP, which identifies water system improvements necessary to meet future water demand, did not identify any deficiencies in the vicinity of the project site. The existing water system infrastructure has adequate capacity to serve the proposed project. In addition, the proposed project would be required to coordinate with the City of Milpitas Fire Department to assess fire flow requirements and comply with them as part of the project. Based on the above, the City would have sufficient water supply to support the proposed project and implementation of the project would not require new or expanded entitlements for water supplies, and impacts related to water supply would be less than significant.

c. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? ***(Less-Than-Significant Impact)***

The City of Milpitas owns and operates its municipal wastewater collection system containing of 175 miles of gravity pipe and 5 miles of force main. The system also includes two pump stations: the Venus Station which lifts wastewater from the low-lying Pines neighborhood and the Main Sewer Pump Station which pumps all City sewage through dual 2.5 mile force mains to the WPCP located in San José at 700 Los Esteros Road for treatment.[54] The WPCP treats an average of 110 million gallons of wastewater per day (mgd), about 65 percent of its 167 mgd capacity, which includes service to the project site.[55]

The proposed project would generate domestic wastewater, treated by the WPCP. The City has sufficient capacity to serve the proposed project. Therefore, wastewater generated from the proposed project would not cause the WPCP to violate any wastewater treatment requirements and this impact would be less than significant.

d. Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? ***(Less-Than-Significant Impact)***

Solid waste and recycling pickup and disposal in the City of Milpitas is provided by Republic Services. The solid waste is disposed of at the Newby Island Landfill and recycling facility which is located approximately 3 miles west of the project site on Dixon Landing Road. The facility recycled materials, operates a construction and demolition material processing facility, and a landfill that accepts industrial wastes, grit, screenings, wastewater treatment sludge, contaminated soils, clean soils, and

54 Milpitas, City of, 2014. Sewer System Management Plan 2014 Update. June.

55 San José, City of, 2016. *San José-Santa Clara Regional Wastewater Facility Fact Sheet*. Website: www.sanjoseca.gov/DocumentCenter/View/34681 (accessed June 11, 2019). April 25.

municipal solid waste.[56] The Newby Island Landfill has a capacity of 57.5 million cubic yards and a remaining capacity of 21.2 million cubic yards, and can accept 4,000 tons per day.[57]

On average, single-family uses generate approximately 12 pounds per household per day. Based on these rates, the proposed project would generate approximately 432 pounds per day of solid waste. As noted above, the Newby Island Landfill has adequate capacity to serve the proposed project. As such, the project would be served by a landfill with sufficient capacity to accommodate the project's waste disposal needs, and impacts associated with the disposition of solid waste would be less than significant.

e. Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste? ***(Less-Than-Significant Impact)***

The proposed project would comply with all federal, State, and local solid waste statutes and/or regulations related to solid waste. Also refer to Section 4.19.d. Therefore, the proposed project would result in a less-than-significant impact related to solid waste regulations.

[56] Republic Services, 2017. Newby Island Resource Recovery Park. Website: local.republicservices.com/site/newby-island (accessed June 11, 2019).

[57] CalRecycle, 2019. SWIS Facility Detail. Newby Island Sanitary Landfill (43-AN-0003). Website: www2.calrecycle.ca.gov/swfacilities/Directory/43-AN-0003 (accessed June 11, 2019).

4.20 WILDFIRE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

a. Would the project substantially impair an adopted emergency response plan or emergency evacuation plan? ***(Less-Than-Significant Impact)***

The project site is not located within any State responsibility areas (SRA) for fire service,[58] and is not within a very high fire hazard severity zone.[59] In addition, as noted in Section 4.9.f, the proposed project would not impair the implementation of, or physically interfere with, and adopted emergency response plan. Therefore, this impact would be less than significant.

b. Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? ***(Less-Than-Significant Impact)***

Refer to Section 4.20.a. Additionally, as noted in Section 2.0, Project Description, the project site is bound by existing development on three sides. Therefore, the proposed project would not exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire, and this impact would be less than significant.

[58] California, State of, 2007. Santa Clara County Fire Hazard Severity Zones in SRA (map). Available online at: frap.fire.ca.gov/webdata/maps/santa_clara/fhszs_map.43.pdf (accessed June 11, 2019).

[59] Milpitas, City of, 2018. *Milpitas General Plan Update Existing Conditions Report.* June.

c. Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? ***(Less-Than-Significant Impact)***

Refer to Section 4.20.a. The proposed project is not located within an SRA for fire service and is not within a very high fire hazard severity zone. Therefore, the proposed project would not require the installation or maintenance of associated infrastructure, and this impact would be less than significant.

d. Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? ***(Less-Than-Significant Impact)***

Refer to Section 4.20.a and 4.20.b. Therefore, the proposed project would not expose people or structures to significant risks as a result of post-fire slope instability or drainage and runoff changes.

4.21 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☐	☒

a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? ***(Less-Than-Significant with Mitigation Incorporated)***

Implementation of Mitigation Measures CULT-1, CULT-2 and GEO-1 would ensure that potential impacts to historic, archaeological, tribal and paleontological resources that could be uncovered during construction activities would be reduced to a less-than-significant level. Implementation of Mitigation Measure BIO-1 would ensure that potential impacts to nesting birds are reduced to a less-than-significant level. Therefore, with the incorporation of mitigation measures, development of the proposed project would not: (1) degrade the quality of the environment; (2) substantially reduce the habitat of a fish or wildlife species; (3) cause a fish or wildlife species population to drop below self-sustaining levels; (4) threaten to eliminate a plant or animal community; (5) reduce the number or restrict the range of a rare or endangered plant or animal; or (6) eliminate important examples of the major periods of California history.

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? ***(Less-Than-Significant with Mitigation Incorporated)***

The proposed project's impacts would be individually limited and not cumulatively considerable. The potentially significant impacts that can be reduced to a less-than-significant level with implementation

of recommended mitigation measures include the topics of aesthetics, air quality, biological resources, cultural resources, geology and soils, hydrology and water quality, and noise. These impacts would primarily be related to construction-period activities, would be temporary in nature, and would not substantially contribute to any potential cumulative impacts associated with these topics. For the topic of aesthetics, potentially significant impacts related to light and glare would be reduced to a less-than-significant level with implementation of Mitigation Measure AES-1. For the topic of air quality, potentially significant impacts to air quality standards associated with project construction would be reduced to less-than-significant levels with implementation of Mitigation Measure AIR-1. For the topic of biological resources, implementation of Mitigation Measures BIO-1 and BIO-2 would ensure that impacts related to special status-species and local ordinances are reduced to a less-than-significant level. For the topic of cultural resources, potentially significant impacts to archaeological resources would be reduced to less-than-significant levels with implementation of Mitigation Measures CULT-1 and CULT-2. For the topic of geology and soils, potentially significant impacts related to paleontological resources would be reduced to less-than-significant levels with implementation of Mitigation Measure GEO-1. For the topic of hydrology and water quality, implementation of Mitigation Measures HYD-1 and HYD-2 would ensure that potential water quality impacts are reduced to a less-than-significant level. For the topic of noise, impacts would be reduced to a less-than-significant level with implementation of Mitigation Measures NOI-1 through NOI-3.

For the topics of agricultural and forestry resources, greenhouse gas emissions, hazards and hazardous materials, land use and planning, mineral resources, population and housing, public services, recreation, transportation, tribal cultural resources, utilities and service systems, and wildfire, the project would have no impacts or less-than-significant impacts, and therefore, the project would not substantially contribute to any potential cumulative impacts for these topics. All environmental impacts that could occur as a result of the proposed project would be reduced to a less-than-significant level through the implementation of the mitigation measures recommended in this document.

Implementation of these measures would ensure that the impacts of the project would be below established thresholds of significance and that these impacts would not combine with the impacts of other cumulative projects to result in a cumulatively considerable impact on the environment as a result of project development. Therefore, this impact would be less than significant.

c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? ***(No Impact)***

The proposed project would not result in any environmental effects that would cause substantial direct or indirect adverse effects to human beings.

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APPENDIX A

CALEEDMOD OUTPUT SHEETS

1005 North Park Victoria Drive

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	36.00	Dwelling Unit	4.88	64,800.00	103

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on 5-year average (PG&E, 2015)

Land Use - 4.88-acre project site

Construction Phase - Project construction would commence spring 2020 and would occur for approximately 1.5 to 2 years

Grading - Project would require the import of approximately 1,711 cubic yards of soil

Demolition - The proposed project would include the demolition of the existing approximately 2,300-square-foot building

Trips and VMT - The project would include a total of 172 truck trips to import soil

Vehicle Trips - Based on project's trip generation

Mobile Land Use Mitigation -

Area Mitigation - Assuming only natural gas hearth

1005 North Park Victoria Drive - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	230.00	245.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	5.00	30.00
tblConstructionPhase	PhaseEndDate	6/24/2021	11/5/2021
tblConstructionPhase	PhaseEndDate	5/5/2021	8/13/2021
tblConstructionPhase	PhaseEndDate	5/29/2020	6/12/2020
tblConstructionPhase	PhaseEndDate	6/17/2020	9/4/2020
tblConstructionPhase	PhaseEndDate	5/31/2021	9/24/2021
tblConstructionPhase	PhaseEndDate	6/5/2020	7/24/2020
tblConstructionPhase	PhaseStartDate	6/1/2021	9/27/2021
tblConstructionPhase	PhaseStartDate	6/18/2020	9/7/2020
tblConstructionPhase	PhaseStartDate	6/6/2020	7/27/2020
tblConstructionPhase	PhaseStartDate	5/6/2021	8/16/2021
tblConstructionPhase	PhaseStartDate	5/30/2020	6/15/2020
tblGrading	AcresOfGrading	15.00	4.88
tblGrading	MaterialImported	0.00	1,711.00
tblLandUse	LotAcreage	11.69	4.88
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	214.00	172.00
tblVehicleTrips	ST_TR	9.91	9.69
tblVehicleTrips	SU_TR	8.62	9.69
tblVehicleTrips	WD_TR	9.52	9.69

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2419	2.3849	1.6388	2.9400e-003	0.3778	0.1241	0.5019	0.2025	0.1154	0.3179	0.0000	257.6451	257.6451	0.0678	0.0000	259.3397
2021	0.6342	1.6254	1.5851	2.6900e-003	0.0131	0.0874	0.1005	3.5400e-003	0.0821	0.0857	0.0000	232.4998	232.4998	0.0536	0.0000	233.8394
Maximum	**0.6342**	**2.3849**	**1.6388**	**2.9400e-003**	**0.3778**	**0.1241**	**0.5019**	**0.2025**	**0.1154**	**0.3179**	**0.0000**	**257.6451**	**257.6451**	**0.0678**	**0.0000**	**259.3397**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2419	2.3849	1.6388	2.9400e-003	0.3778	0.1241	0.5019	0.2025	0.1154	0.3179	0.0000	257.6448	257.6448	0.0678	0.0000	259.3395
2021	0.6342	1.6254	1.5851	2.6900e-003	0.0131	0.0874	0.1005	3.5400e-003	0.0821	0.0857	0.0000	232.4995	232.4995	0.0536	0.0000	233.8391
Maximum	**0.6342**	**2.3849**	**1.6388**	**2.9400e-003**	**0.3778**	**0.1241**	**0.5019**	**0.2025**	**0.1154**	**0.3179**	**0.0000**	**257.6448**	**257.6448**	**0.0678**	**0.0000**	**259.3395**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**5-4-2020**	**8-3-2020**	1.2772	1.2772
2	**8-4-2020**	**11-3-2020**	0.8024	0.8024
3	**11-4-2020**	**2-3-2021**	0.6938	0.6938
4	**2-4-2021**	**5-3-2021**	0.6304	0.6304
5	**5-4-2021**	**8-3-2021**	0.6514	0.6514
6	**8-4-2021**	**9-30-2021**	0.2887	0.2887
		Highest	1.2772	1.2772

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5190	7.7400e-003	0.5764	6.5000e-004		0.0460	0.0460		0.0460	0.0460	4.5760	1.5602	6.1362	9.0700e-003	2.6000e-004	6.4409
Energy	5.6400e-003	0.0482	0.0205	3.1000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	99.2758	99.2758	4.9000e-003	1.8200e-003	99.9396
Mobile	0.0932	0.4505	1.0518	3.5700e-003	0.3000	3.3300e-003	0.3033	0.0805	3.1200e-003	0.0837	0.0000	327.5339	327.5339	0.0125	0.0000	327.8457
Waste						0.0000	0.0000		0.0000	0.0000	8.7814	0.0000	8.7814	0.5190	0.0000	21.7555
Water						0.0000	0.0000		0.0000	0.0000	0.7441	2.6647	3.4089	0.0767	1.8500e-003	5.8778
Total	**0.6179**	**0.5064**	**1.6488**	**4.5300e-003**	**0.3000**	**0.0532**	**0.3532**	**0.0805**	**0.0530**	**0.1335**	**14.1015**	**431.0346**	**445.1361**	**0.6221**	**3.9300e-003**	**461.8594**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3071	5.7300e-003	0.2690	3.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003	0.0000	3.4927	3.4927	4.8000e-004	6.0000e-005	3.5214
Energy	5.6400e-003	0.0482	0.0205	3.1000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	99.2758	99.2758	4.9000e-003	1.8200e-003	99.9396
Mobile	0.0909	0.4335	0.9994	3.3400e-003	0.2793	3.1300e-003	0.2824	0.0750	2.9300e-003	0.0779	0.0000	306.5771	306.5771	0.0119	0.0000	306.8739
Waste						0.0000	0.0000		0.0000	0.0000	8.7814	0.0000	8.7814	0.5190	0.0000	21.7555
Water						0.0000	0.0000		0.0000	0.0000	0.7441	2.6647	3.4089	0.0767	1.8500e-003	5.8778
Total	**0.4037**	**0.4874**	**1.2889**	**3.6800e-003**	**0.2793**	**8.7200e-003**	**0.2880**	**0.0750**	**8.5200e-003**	**0.0835**	**9.5255**	**412.0104**	**421.5359**	**0.6129**	**3.7300e-003**	**437.9683**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**34.66**	**3.75**	**21.83**	**18.76**	**6.90**	**83.61**	**18.46**	**6.90**	**83.92**	**37.47**	**32.45**	**4.41**	**5.30**	**1.48**	**5.09**	**5.17**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/4/2020	6/12/2020	5	30	
2	Site Preparation	Site Preparation	6/15/2020	7/24/2020	5	30	
3	Grading	Grading	7/27/2020	9/4/2020	5	30	
4	Building Construction	Building Construction	9/7/2020	8/13/2021	5	245	
5	Paving	Paving	8/16/2021	9/24/2021	5	30	
6	Architectural Coating	Architectural Coating	9/27/2021	11/5/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.88

Acres of Paving: 0

Residential Indoor: 131,220; Residential Outdoor: 43,740; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

<u>OffRoad Equipment</u>

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	172.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1300e-003	0.0000	1.1300e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0497	0.4980	0.3263	5.8000e-004		0.0249	0.0249		0.0231	0.0231	0.0000	50.9979	50.9979	0.0144	0.0000	51.3578
Total	**0.0497**	**0.4980**	**0.3263**	**5.8000e-004**	**1.1300e-003**	**0.0249**	**0.0260**	**1.7000e-004**	**0.0231**	**0.0233**	**0.0000**	**50.9979**	**50.9979**	**0.0144**	**0.0000**	**51.3578**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4600e-003	2.9000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3837
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.3000e-004	5.5300e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5576	1.5576	4.0000e-005	0.0000	1.5586
Total	**7.9000e-004**	**1.9900e-003**	**5.8200e-003**	**2.0000e-005**	**1.8600e-003**	**1.0000e-005**	**1.8800e-003**	**4.9000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.9408**	**1.9408**	**6.0000e-005**	**0.0000**	**1.9423**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1300e-003	0.0000	1.1300e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0497	0.4980	0.3263	5.8000e-004		0.0249	0.0249		0.0231	0.0231	0.0000	50.9979	50.9979	0.0144	0.0000	51.3578
Total	**0.0497**	**0.4980**	**0.3263**	**5.8000e-004**	**1.1300e-003**	**0.0249**	**0.0260**	**1.7000e-004**	**0.0231**	**0.0233**	**0.0000**	**50.9979**	**50.9979**	**0.0144**	**0.0000**	**51.3578**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4600e-003	2.9000e-004	0.0000	8.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3837
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.3000e-004	5.5300e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5576	1.5576	4.0000e-005	0.0000	1.5586
Total	**7.9000e-004**	**1.9900e-003**	**5.8200e-003**	**2.0000e-005**	**1.8600e-003**	**1.0000e-005**	**1.8800e-003**	**4.9000e-004**	**1.0000e-005**	**5.1000e-004**	**0.0000**	**1.9408**	**1.9408**	**6.0000e-005**	**0.0000**	**1.9423**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0612	0.6363	0.3227	5.7000e-004		0.0330	0.0330		0.0303	0.0303	0.0000	50.1460	50.1460	0.0162	0.0000	50.5515
Total	**0.0612**	**0.6363**	**0.3227**	**5.7000e-004**	**0.2710**	**0.0330**	**0.3040**	**0.1490**	**0.0303**	**0.1793**	**0.0000**	**50.1460**	**50.1460**	**0.0162**	**0.0000**	**50.5515**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.4000e-004	6.6300e-003	2.0000e-005	2.1300e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8692	1.8692	5.0000e-005	0.0000	1.8703
Total	**8.9000e-004**	**6.4000e-004**	**6.6300e-003**	**2.0000e-005**	**2.1300e-003**	**1.0000e-005**	**2.1500e-003**	**5.7000e-004**	**1.0000e-005**	**5.8000e-004**	**0.0000**	**1.8692**	**1.8692**	**5.0000e-005**	**0.0000**	**1.8703**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0612	0.6363	0.3227	5.7000e-004		0.0330	0.0330		0.0303	0.0303	0.0000	50.1460	50.1460	0.0162	0.0000	50.5514
Total	**0.0612**	**0.6363**	**0.3227**	**5.7000e-004**	**0.2710**	**0.0330**	**0.3040**	**0.1490**	**0.0303**	**0.1793**	**0.0000**	**50.1460**	**50.1460**	**0.0162**	**0.0000**	**50.5514**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.4000e-004	6.6300e-003	2.0000e-005	2.1300e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.8692	1.8692	5.0000e-005	0.0000	1.8703
Total	**8.9000e-004**	**6.4000e-004**	**6.6300e-003**	**2.0000e-005**	**2.1300e-003**	**1.0000e-005**	**2.1500e-003**	**5.7000e-004**	**1.0000e-005**	**5.8000e-004**	**0.0000**	**1.8692**	**1.8692**	**5.0000e-005**	**0.0000**	**1.8703**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0930	0.0000	0.0930	0.0500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.3958	0.2408	4.4000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	39.0881	39.0881	0.0126	0.0000	39.4042
Total	**0.0364**	**0.3958**	**0.2408**	**4.4000e-004**	**0.0930**	**0.0191**	**0.1121**	**0.0500**	**0.0176**	**0.0675**	**0.0000**	**39.0881**	**39.0881**	**0.0126**	**0.0000**	**39.4042**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0251	5.0500e-003	7.0000e-005	1.4500e-003	8.0000e-005	1.5300e-003	4.0000e-004	8.0000e-005	4.8000e-004	0.0000	6.5908	6.5908	3.4000e-004	0.0000	6.5993
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.3000e-004	5.5300e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5576	1.5576	4.0000e-005	0.0000	1.5586
Total	**1.4700e-003**	**0.0257**	**0.0106**	**9.0000e-005**	**3.2300e-003**	**9.0000e-005**	**3.3200e-003**	**8.7000e-004**	**9.0000e-005**	**9.6000e-004**	**0.0000**	**8.1484**	**8.1484**	**3.8000e-004**	**0.0000**	**8.1579**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0930	0.0000	0.0930	0.0500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.3958	0.2408	4.4000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	39.0881	39.0881	0.0126	0.0000	39.4041
Total	**0.0364**	**0.3958**	**0.2408**	**4.4000e-004**	**0.0930**	**0.0191**	**0.1121**	**0.0500**	**0.0176**	**0.0675**	**0.0000**	**39.0881**	**39.0881**	**0.0126**	**0.0000**	**39.4041**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2000e-004	0.0251	5.0500e-003	7.0000e-005	1.4500e-003	8.0000e-005	1.5300e-003	4.0000e-004	8.0000e-005	4.8000e-004	0.0000	6.5908	6.5908	3.4000e-004	0.0000	6.5993
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.3000e-004	5.5300e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5576	1.5576	4.0000e-005	0.0000	1.5586
Total	**1.4700e-003**	**0.0257**	**0.0106**	**9.0000e-005**	**3.2300e-003**	**9.0000e-005**	**3.3200e-003**	**8.7000e-004**	**9.0000e-005**	**9.6000e-004**	**0.0000**	**8.1484**	**8.1484**	**3.8000e-004**	**0.0000**	**8.1579**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0890	0.8058	0.7076	1.1300e-003		0.0469	0.0469		0.0441	0.0441	0.0000	97.2762	97.2762	0.0237	0.0000	97.8695
Total	**0.0890**	**0.8058**	**0.7076**	**1.1300e-003**		**0.0469**	**0.0469**		**0.0441**	**0.0441**	**0.0000**	**97.2762**	**97.2762**	**0.0237**	**0.0000**	**97.8695**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0194	4.8700e-003	5.0000e-005	1.1000e-003	9.0000e-005	1.2000e-003	3.2000e-004	9.0000e-005	4.1000e-004	0.0000	4.3986	4.3986	2.3000e-004	0.0000	4.4042
Worker	1.8100e-003	1.2900e-003	0.0134	4.0000e-005	4.3100e-003	3.0000e-005	4.3400e-003	1.1500e-003	3.0000e-005	1.1700e-003	0.0000	3.7799	3.7799	9.0000e-005	0.0000	3.7821
Total	**2.4600e-003**	**0.0207**	**0.0183**	**9.0000e-005**	**5.4100e-003**	**1.2000e-004**	**5.5400e-003**	**1.4700e-003**	**1.2000e-004**	**1.5800e-003**	**0.0000**	**8.1784**	**8.1784**	**3.2000e-004**	**0.0000**	**8.1864**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0890	0.8058	0.7076	1.1300e-003		0.0469	0.0469		0.0441	0.0441	0.0000	97.2761	97.2761	0.0237	0.0000	97.8694
Total	**0.0890**	**0.8058**	**0.7076**	**1.1300e-003**		**0.0469**	**0.0469**		**0.0441**	**0.0441**	**0.0000**	**97.2761**	**97.2761**	**0.0237**	**0.0000**	**97.8694**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0194	4.8700e-003	5.0000e-005	1.1000e-003	9.0000e-005	1.2000e-003	3.2000e-004	9.0000e-005	4.1000e-004	0.0000	4.3986	4.3986	2.3000e-004	0.0000	4.4042
Worker	1.8100e-003	1.2900e-003	0.0134	4.0000e-005	4.3100e-003	3.0000e-005	4.3400e-003	1.1500e-003	3.0000e-005	1.1700e-003	0.0000	3.7799	3.7799	9.0000e-005	0.0000	3.7821
Total	**2.4600e-003**	**0.0207**	**0.0183**	**9.0000e-005**	**5.4100e-003**	**1.2000e-004**	**5.5400e-003**	**1.4700e-003**	**1.2000e-004**	**1.5800e-003**	**0.0000**	**8.1784**	**8.1784**	**3.2000e-004**	**0.0000**	**8.1864**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.4033	1.3343	2.1700e-003		0.0772	0.0772		0.0726	0.0726	0.0000	186.4680	186.4680	0.0450	0.0000	187.5927
Total	**0.1530**	**1.4033**	**1.3343**	**2.1700e-003**		**0.0772**	**0.0772**		**0.0726**	**0.0726**	**0.0000**	**186.4680**	**186.4680**	**0.0450**	**0.0000**	**187.5927**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0200e-003	0.0336	8.3900e-003	9.0000e-005	2.1100e-003	7.0000e-005	2.1800e-003	6.1000e-004	7.0000e-005	6.8000e-004	0.0000	8.3509	8.3509	4.1000e-004	0.0000	8.3611
Worker	3.2100e-003	2.2200e-003	0.0235	8.0000e-005	8.2700e-003	5.0000e-005	8.3200e-003	2.2000e-003	5.0000e-005	2.2500e-003	0.0000	6.9905	6.9905	1.6000e-004	0.0000	6.9944
Total	**4.2300e-003**	**0.0359**	**0.0319**	**1.7000e-004**	**0.0104**	**1.2000e-004**	**0.0105**	**2.8100e-003**	**1.2000e-004**	**2.9300e-003**	**0.0000**	**15.3414**	**15.3414**	**5.7000e-004**	**0.0000**	**15.3556**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1530	1.4033	1.3343	2.1700e-003		0.0772	0.0772		0.0726	0.0726	0.0000	186.4678	186.4678	0.0450	0.0000	187.5925
Total	**0.1530**	**1.4033**	**1.3343**	**2.1700e-003**		**0.0772**	**0.0772**		**0.0726**	**0.0726**	**0.0000**	**186.4678**	**186.4678**	**0.0450**	**0.0000**	**187.5925**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0200e-003	0.0336	8.3900e-003	9.0000e-005	2.1100e-003	7.0000e-005	2.1800e-003	6.1000e-004	7.0000e-005	6.8000e-004	0.0000	8.3509	8.3509	4.1000e-004	0.0000	8.3611
Worker	3.2100e-003	2.2200e-003	0.0235	8.0000e-005	8.2700e-003	5.0000e-005	8.3200e-003	2.2000e-003	5.0000e-005	2.2500e-003	0.0000	6.9905	6.9905	1.6000e-004	0.0000	6.9944
Total	**4.2300e-003**	**0.0359**	**0.0319**	**1.7000e-004**	**0.0104**	**1.2000e-004**	**0.0105**	**2.8100e-003**	**1.2000e-004**	**2.9300e-003**	**0.0000**	**15.3414**	**15.3414**	**5.7000e-004**	**0.0000**	**15.3556**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1626	0.1839	2.8000e-004		8.6800e-003	8.6800e-003		8.0100e-003	8.0100e-003	0.0000	24.5559	24.5559	7.7200e-003	0.0000	24.7488
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0164**	**0.1626**	**0.1839**	**2.8000e-004**		**8.6800e-003**	**8.6800e-003**		**8.0100e-003**	**8.0100e-003**	**0.0000**	**24.5559**	**24.5559**	**7.7200e-003**	**0.0000**	**24.7488**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-004	6.4000e-004	6.7300e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	2.0040	2.0040	4.0000e-005	0.0000	2.0051
Total	**9.2000e-004**	**6.4000e-004**	**6.7300e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**1.0000e-005**	**6.4000e-004**	**0.0000**	**2.0040**	**2.0040**	**4.0000e-005**	**0.0000**	**2.0051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1626	0.1839	2.8000e-004		8.6800e-003	8.6800e-003		8.0100e-003	8.0100e-003	0.0000	24.5559	24.5559	7.7200e-003	0.0000	24.7488
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0164**	**0.1626**	**0.1839**	**2.8000e-004**		**8.6800e-003**	**8.6800e-003**		**8.0100e-003**	**8.0100e-003**	**0.0000**	**24.5559**	**24.5559**	**7.7200e-003**	**0.0000**	**24.7488**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-004	6.4000e-004	6.7300e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	2.0040	2.0040	4.0000e-005	0.0000	2.0051
Total	**9.2000e-004**	**6.4000e-004**	**6.7300e-003**	**2.0000e-005**	**2.3700e-003**	**2.0000e-005**	**2.3900e-003**	**6.3000e-004**	**1.0000e-005**	**6.4000e-004**	**0.0000**	**2.0040**	**2.0040**	**4.0000e-005**	**0.0000**	**2.0051**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2800e-003	0.0229	0.0273	4.0000e-005		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	3.8299	3.8299	2.6000e-004	0.0000	3.8365
Total	**0.4594**	**0.0229**	**0.0273**	**4.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**3.8299**	**3.8299**	**2.6000e-004**	**0.0000**	**3.8365**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.0100e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3006	0.3006	1.0000e-005	0.0000	0.3008
Total	**1.4000e-004**	**1.0000e-004**	**1.0100e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3006**	**0.3006**	**1.0000e-005**	**0.0000**	**0.3008**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2800e-003	0.0229	0.0273	4.0000e-005		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	3.8299	3.8299	2.6000e-004	0.0000	3.8365
Total	**0.4594**	**0.0229**	**0.0273**	**4.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.4100e-003**	**1.4100e-003**	**0.0000**	**3.8299**	**3.8299**	**2.6000e-004**	**0.0000**	**3.8365**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.0100e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3006	0.3006	1.0000e-005	0.0000	0.3008
Total	**1.4000e-004**	**1.0000e-004**	**1.0100e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3006**	**0.3006**	**1.0000e-005**	**0.0000**	**0.3008**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0909	0.4335	0.9994	3.3400e-003	0.2793	3.1300e-003	0.2824	0.0750	2.9300e-003	0.0779	0.0000	306.5771	306.5771	0.0119	0.0000	306.8739
Unmitigated	0.0932	0.4505	1.0518	3.5700e-003	0.3000	3.3300e-003	0.3033	0.0805	3.1200e-003	0.0837	0.0000	327.5339	327.5339	0.0125	0.0000	327.8457

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	348.98	348.98	348.98	806,016	750,401
Total	348.98	348.98	348.98	806,016	750,401

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.4389	43.4389	3.8300e-003	7.9000e-004	43.7709
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.4389	43.4389	3.8300e-003	7.9000e-004	43.7709
NaturalGas Mitigated	5.6400e-003	0.0482	0.0205	3.1000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	55.8369	55.8369	1.0700e-003	1.0200e-003	56.1687
NaturalGas Unmitigated	5.6400e-003	0.0482	0.0205	3.1000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	55.8369	55.8369	1.0700e-003	1.0200e-003	56.1687

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	1.04634e+006	5.6400e-003	0.0482	0.0205	3.1000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	55.8369	55.8369	1.0700e-003	1.0200e-003	56.1687
Total		**5.6400e-003**	**0.0482**	**0.0205**	**3.1000e-004**		**3.9000e-003**	**3.9000e-003**		**3.9000e-003**	**3.9000e-003**	**0.0000**	**55.8369**	**55.8369**	**1.0700e-003**	**1.0200e-003**	**56.1687**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	1.04634e+006	5.6400e-003	0.0482	0.0205	3.1000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	55.8369	55.8369	1.0700e-003	1.0200e-003	56.1687
Total		**5.6400e-003**	**0.0482**	**0.0205**	**3.1000e-004**		**3.9000e-003**	**3.9000e-003**		**3.9000e-003**	**3.9000e-003**	**0.0000**	**55.8369**	**55.8369**	**1.0700e-003**	**1.0200e-003**	**56.1687**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	291261	43.4389	3.8300e-003	7.9000e-004	43.7709
Total		**43.4389**	**3.8300e-003**	**7.9000e-004**	**43.7709**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	291261	43.4389	3.8300e-003	7.9000e-004	43.7709
Total		**43.4389**	**3.8300e-003**	**7.9000e-004**	**43.7709**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3071	5.7300e-003	0.2690	3.0000e-005		1.6900e-003	1.6900e-003		1.6900e-003	1.6900e-003	0.0000	3.4927	3.4927	4.8000e-004	6.0000e-005	3.5214
Unmitigated	0.5190	7.7400e-003	0.5764	6.5000e-004		0.0460	0.0460		0.0460	0.0460	4.5760	1.5602	6.1362	9.0700e-003	2.6000e-004	6.4409

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2531					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2122	4.6500e-003	0.3085	6.4000e-004		0.0445	0.0445		0.0445	0.0445	4.5760	1.1236	5.6996	8.6500e-003	2.6000e-004	5.9937
Landscaping	8.1200e-003	3.0900e-003	0.2679	1.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	0.4366	0.4366	4.2000e-004	0.0000	0.4472
Total	**0.5190**	**7.7400e-003**	**0.5764**	**6.5000e-004**		**0.0460**	**0.0460**		**0.0460**	**0.0460**	**4.5760**	**1.5602**	**6.1362**	**9.0700e-003**	**2.6000e-004**	**6.4409**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2531					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.1000e-004	2.6400e-003	1.1200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0561	3.0561	6.0000e-005	6.0000e-005	3.0742
Landscaping	8.1200e-003	3.0900e-003	0.2679	1.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	0.4366	0.4366	4.2000e-004	0.0000	0.4472
Total	**0.3071**	**5.7300e-003**	**0.2690**	**3.0000e-005**		**1.6900e-003**	**1.6900e-003**		**1.6900e-003**	**1.6900e-003**	**0.0000**	**3.4927**	**3.4927**	**4.8000e-004**	**6.0000e-005**	**3.5214**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.4089	0.0767	1.8500e-003	5.8778
Unmitigated	3.4089	0.0767	1.8500e-003	5.8778

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.34554 / 1.47871	3.4089	0.0767	1.8500e-003	5.8778
Total		**3.4089**	**0.0767**	**1.8500e-003**	**5.8778**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.34554 / 1.47871	3.4089	0.0767	1.8500e-003	5.8778
Total		**3.4089**	**0.0767**	**1.8500e-003**	**5.8778**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.7814	0.5190	0.0000	21.7555
Unmitigated	8.7814	0.5190	0.0000	21.7555

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	43.26	8.7814	0.5190	0.0000	21.7555
Total		**8.7814**	**0.5190**	**0.0000**	**21.7555**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	43.26	8.7814	0.5190	0.0000	21.7555
Total		**8.7814**	**0.5190**	**0.0000**	**21.7555**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

1005 North Park Victoria Drive

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	36.00	Dwelling Unit	4.88	64,800.00	103

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on 5-year average (PG&E, 2015)

Land Use - 4.88-acre project site

Construction Phase - Project construction would commence spring 2020 and would occur for approximately 1.5 to 2 years

Grading - Project would require the import of approximately 1,711 cubic yards of soil

Demolition - The proposed project would include the demolition of the existing approximately 2,300-square-foot building

Trips and VMT - The project would include a total of 172 truck trips to import soil

Vehicle Trips - Based on project's trip generation

Mobile Land Use Mitigation -

Area Mitigation - Assuming only natural gas hearth

1005 North Park Victoria Drive - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	230.00	245.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	5.00	30.00
tblConstructionPhase	PhaseEndDate	6/24/2021	11/5/2021
tblConstructionPhase	PhaseEndDate	5/5/2021	8/13/2021
tblConstructionPhase	PhaseEndDate	5/29/2020	6/12/2020
tblConstructionPhase	PhaseEndDate	6/17/2020	9/4/2020
tblConstructionPhase	PhaseEndDate	5/31/2021	9/24/2021
tblConstructionPhase	PhaseEndDate	6/5/2020	7/24/2020
tblConstructionPhase	PhaseStartDate	6/1/2021	9/27/2021
tblConstructionPhase	PhaseStartDate	6/18/2020	9/7/2020
tblConstructionPhase	PhaseStartDate	6/6/2020	7/27/2020
tblConstructionPhase	PhaseStartDate	5/6/2021	8/16/2021
tblConstructionPhase	PhaseStartDate	5/30/2020	6/15/2020
tblGrading	AcresOfGrading	15.00	4.88
tblGrading	MaterialImported	0.00	1,711.00
tblLandUse	LotAcreage	11.69	4.88
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	214.00	172.00
tblVehicleTrips	ST_TR	9.91	9.69
tblVehicleTrips	SU_TR	8.62	9.69
tblVehicleTrips	WD_TR	9.52	9.69

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1390	42.4552	22.1746	0.0403	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,899.1809	3,899.1809	1.1954	0.0000	3,925.7392
2021	30.6388	17.8699	16.9920	0.0290	0.1643	0.9602	1.0941	0.0436	0.9028	0.9389	0.0000	2,771.9021	2,771.9021	0.6237	0.0000	2,787.4956
Maximum	**30.6388**	**42.4552**	**22.1746**	**0.0403**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**3,899.1809**	**3,899.1809**	**1.1954**	**0.0000**	**3,925.7392**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1390	42.4552	22.1746	0.0403	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,899.1809	3,899.1809	1.1954	0.0000	3,925.7392
2021	30.6388	17.8699	16.9920	0.0290	0.1643	0.9602	1.0941	0.0436	0.9028	0.9389	0.0000	2,771.9021	2,771.9021	0.6237	0.0000	2,787.4956
Maximum	**30.6388**	**42.4552**	**22.1746**	**0.0403**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**3,899.1809**	**3,899.1809**	**1.1954**	**0.0000**	**3,925.7392**

1005 North Park Victoria Drive - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	39.0343	0.7527	51.2269	0.0910		6.8393	6.8393		6.8393	6.8393	733.6202	227.7008	961.3210	0.9123	0.0518	999.5544
Energy	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Mobile	0.5859	2.3972	5.9933	0.0208	1.7125	0.0183	1.7308	0.4582	0.0171	0.4753		2,099.9882	2,099.9882	0.0760		2,101.8876
Total	**39.6511**	**3.4141**	**57.3326**	**0.1135**	**1.7125**	**6.8789**	**8.5914**	**0.4582**	**6.8777**	**7.3359**	**733.6202**	**2,664.9471**	**3,398.5673**	**0.9947**	**0.0580**	**3,440.7042**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7823	0.5081	3.1781	3.1800e-003		0.0547	0.0547		0.0547	0.0547	0.0000	610.1479	610.1479	0.0168	0.0111	613.8715
Energy	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Mobile	0.5731	2.3093	5.6682	0.0195	1.5943	0.0172	1.6115	0.4266	0.0161	0.4427		1,965.4266	1,965.4266	0.0722		1,967.2307
Total	**2.3863**	**3.0816**	**8.9587**	**0.0243**	**1.5943**	**0.0932**	**1.6876**	**0.4266**	**0.0921**	**0.5187**	**0.0000**	**2,912.8326**	**2,912.8326**	**0.0954**	**0.0173**	**2,920.3645**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**93.98**	**9.74**	**84.37**	**78.57**	**6.90**	**98.64**	**80.36**	**6.90**	**98.66**	**92.93**	**100.00**	**-9.30**	**14.29**	**90.41**	**70.20**	**15.12**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/4/2020	6/12/2020	5	30	
2	Site Preparation	Site Preparation	6/15/2020	7/24/2020	5	30	
3	Grading	Grading	7/27/2020	9/4/2020	5	30	
4	Building Construction	Building Construction	9/7/2020	8/13/2021	5	245	
5	Paving	Paving	8/16/2021	9/24/2021	5	30	
6	Architectural Coating	Architectural Coating	9/27/2021	11/5/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.88

Acres of Paving: 0

Residential Indoor: 131,220; Residential Outdoor: 43,740; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

1005 North Park Victoria Drive - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	172.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0755	0.0000	0.0755	0.0114	0.0000	0.0114			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0755**	**1.6587**	**1.7342**	**0.0114**	**1.5419**	**1.5533**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7500e-003	0.0955	0.0190	2.7000e-004	5.8200e-003	3.1000e-004	6.1400e-003	1.6000e-003	3.0000e-004	1.8900e-003		28.3595	28.3595	1.4200e-003		28.3949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	**0.0549**	**0.1270**	**0.4214**	**1.5100e-003**	**0.1290**	**1.1100e-003**	**0.1302**	**0.0343**	**1.0400e-003**	**0.0353**		**151.4759**	**151.4759**	**4.3900e-003**		**151.5856**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0755	0.0000	0.0755	0.0114	0.0000	0.0114			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0755**	**1.6587**	**1.7342**	**0.0114**	**1.5419**	**1.5533**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7500e-003	0.0955	0.0190	2.7000e-004	5.8200e-003	3.1000e-004	6.1400e-003	1.6000e-003	3.0000e-004	1.8900e-003		28.3595	28.3595	1.4200e-003		28.3949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	**0.0549**	**0.1270**	**0.4214**	**1.5100e-003**	**0.1290**	**1.1100e-003**	**0.1302**	**0.0343**	**1.0400e-003**	**0.0353**		**151.4759**	**151.4759**	**4.3900e-003**		**151.5856**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2010	0.0000	6.2010	3.3298	0.0000	3.3298			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.2010**	**1.2734**	**7.4745**	**3.3298**	**1.1716**	**4.5014**		**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0473	1.6423	0.3264	4.5600e-003	0.1002	5.3700e-003	0.1055	0.0275	5.1400e-003	0.0326		487.7826	487.7826	0.0244		488.3926
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	**0.0995**	**1.6738**	**0.7289**	**5.8000e-003**	**0.2234**	**6.1700e-003**	**0.2296**	**0.0601**	**5.8800e-003**	**0.0660**		**610.8991**	**610.8991**	**0.0274**		**611.5833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2010	0.0000	6.2010	3.3298	0.0000	3.3298			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.2010**	**1.2734**	**7.4745**	**3.3298**	**1.1716**	**4.5014**	**0.0000**	**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0473	1.6423	0.3264	4.5600e-003	0.1002	5.3700e-003	0.1055	0.0275	5.1400e-003	0.0326		487.7826	487.7826	0.0244		488.3926
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	**0.0995**	**1.6738**	**0.7289**	**5.8000e-003**	**0.2234**	**6.1700e-003**	**0.2296**	**0.0601**	**5.8800e-003**	**0.0660**		**610.8991**	**610.8991**	**0.0274**		**611.5833**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0152	0.4559	0.1087	1.1000e-003	0.0271	2.2300e-003	0.0293	7.7900e-003	2.1400e-003	9.9300e-003		116.6832	116.6832	5.7500e-003		116.8269
Worker	0.0452	0.0274	0.3488	1.0700e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		106.7010	106.7010	2.5700e-003		106.7652
Total	**0.0604**	**0.4832**	**0.4575**	**2.1700e-003**	**0.1339**	**2.9200e-003**	**0.1368**	**0.0361**	**2.7800e-003**	**0.0389**		**223.3842**	**223.3842**	**8.3200e-003**		**223.5921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0152	0.4559	0.1087	1.1000e-003	0.0271	2.2300e-003	0.0293	7.7900e-003	2.1400e-003	9.9300e-003		116.6832	116.6832	5.7500e-003		116.8269
Worker	0.0452	0.0274	0.3488	1.0700e-003	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		106.7010	106.7010	2.5700e-003		106.7652
Total	**0.0604**	**0.4832**	**0.4575**	**2.1700e-003**	**0.1339**	**2.9200e-003**	**0.1368**	**0.0361**	**2.7800e-003**	**0.0389**		**223.3842**	**223.3842**	**8.3200e-003**		**223.5921**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.4134	0.0975	1.0900e-003	0.0271	9.0000e-004	0.0280	7.7900e-003	8.6000e-004	8.6500e-003		115.5834	115.5834	5.4200e-003		115.7190
Worker	0.0418	0.0244	0.3193	1.0300e-003	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		102.9547	102.9547	2.3000e-003		103.0123
Total	**0.0542**	**0.4378**	**0.4168**	**2.1200e-003**	**0.1339**	**1.5700e-003**	**0.1354**	**0.0361**	**1.4800e-003**	**0.0376**		**218.5382**	**218.5382**	**7.7200e-003**		**218.7313**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.4134	0.0975	1.0900e-003	0.0271	9.0000e-004	0.0280	7.7900e-003	8.6000e-004	8.6500e-003		115.5834	115.5834	5.4200e-003		115.7190
Worker	0.0418	0.0244	0.3193	1.0300e-003	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		102.9547	102.9547	2.3000e-003		103.0123
Total	**0.0542**	**0.4378**	**0.4168**	**2.1200e-003**	**0.1339**	**1.5700e-003**	**0.1354**	**0.0361**	**1.4800e-003**	**0.0376**		**218.5382**	**218.5382**	**7.7200e-003**		**218.7313**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0940**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**		**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0940**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**	**0.0000**	**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.4102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**30.6291**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.6500e-003	5.6400e-003	0.0737	2.4000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		23.7588	23.7588	5.3000e-004		23.7721
Total	**9.6500e-003**	**5.6400e-003**	**0.0737**	**2.4000e-004**	**0.0246**	**1.6000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6800e-003**		**23.7588**	**23.7588**	**5.3000e-004**		**23.7721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.4102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**30.6291**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.6500e-003	5.6400e-003	0.0737	2.4000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		23.7588	23.7588	5.3000e-004		23.7721
Total	**9.6500e-003**	**5.6400e-003**	**0.0737**	**2.4000e-004**	**0.0246**	**1.6000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6800e-003**		**23.7588**	**23.7588**	**5.3000e-004**		**23.7721**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5731	2.3093	5.6682	0.0195	1.5943	0.0172	1.6115	0.4266	0.0161	0.4427		1,965.4266	1,965.4266	0.0722		1,967.2307
Unmitigated	0.5859	2.3972	5.9933	0.0208	1.7125	0.0183	1.7308	0.4582	0.0171	0.4753		2,099.9882	2,099.9882	0.0760		2,101.8876

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	348.98	348.98	348.98	806,016	750,401
Total	348.98	348.98	348.98	806,016	750,401

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
NaturalGas Unmitigated	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2866.69	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Total		**0.0309**	**0.2642**	**0.1124**	**1.6900e-003**		**0.0214**	**0.0214**		**0.0214**	**0.0214**		**337.2581**	**337.2581**	**6.4600e-003**	**6.1800e-003**	**339.2623**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.86669	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Total		**0.0309**	**0.2642**	**0.1124**	**1.6900e-003**		**0.0214**	**0.0214**		**0.0214**	**0.0214**		**337.2581**	**337.2581**	**6.4600e-003**	**6.1800e-003**	**339.2623**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7823	0.5081	3.1781	3.1800e-003		0.0547	0.0547		0.0547	0.0547	0.0000	610.1479	610.1479	0.0168	0.0111	613.8715
Unmitigated	39.0343	0.7527	51.2269	0.0910		6.8393	6.8393		6.8393	6.8393	733.6202	227.7008	961.3210	0.9123	0.0518	999.5544

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37.3074	0.7183	48.2504	0.0909		6.8229	6.8229		6.8229	6.8229	733.6202	222.3529	955.9731	0.9071	0.0518	994.0769
Landscaping	0.0902	0.0344	2.9765	1.6000e-004		0.0164	0.0164		0.0164	0.0164		5.3479	5.3479	5.1800e-003		5.4775
Total	**39.0343**	**0.7527**	**51.2269**	**0.0910**		**6.8393**	**6.8393**		**6.8393**	**6.8393**	**733.6202**	**227.7008**	**961.3210**	**0.9123**	**0.0518**	**999.5544**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0554	0.4738	0.2016	3.0200e-003		0.0383	0.0383		0.0383	0.0383	0.0000	604.8000	604.8000	0.0116	0.0111	608.3940
Landscaping	0.0902	0.0344	2.9765	1.6000e-004		0.0164	0.0164		0.0164	0.0164		5.3479	5.3479	5.1800e-003		5.4775
Total	**1.7823**	**0.5081**	**3.1781**	**3.1800e-003**		**0.0547**	**0.0547**		**0.0547**	**0.0547**	**0.0000**	**610.1479**	**610.1479**	**0.0168**	**0.0111**	**613.8715**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

1005 North Park Victoria Drive

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	36.00	Dwelling Unit	4.88	64,800.00	103

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor based on 5-year average (PG&E, 2015)

Land Use - 4.88-acre project site

Construction Phase - Project construction would commence spring 2020 and would occur for approximately 1.5 to 2 years

Grading - Project would require the import of approximately 1,711 cubic yards of soil

Demolition - The proposed project would include the demolition of the existing approximately 2,300-square-foot building

Trips and VMT - The project would include a total of 172 truck trips to import soil

Vehicle Trips - Based on project's trip generation

Mobile Land Use Mitigation -

Area Mitigation - Assuming only natural gas hearth

1005 North Park Victoria Drive - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	230.00	245.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	5.00	30.00
tblConstructionPhase	PhaseEndDate	6/24/2021	11/5/2021
tblConstructionPhase	PhaseEndDate	5/5/2021	8/13/2021
tblConstructionPhase	PhaseEndDate	5/29/2020	6/12/2020
tblConstructionPhase	PhaseEndDate	6/17/2020	9/4/2020
tblConstructionPhase	PhaseEndDate	5/31/2021	9/24/2021
tblConstructionPhase	PhaseEndDate	6/5/2020	7/24/2020
tblConstructionPhase	PhaseStartDate	6/1/2021	9/27/2021
tblConstructionPhase	PhaseStartDate	6/18/2020	9/7/2020
tblConstructionPhase	PhaseStartDate	6/6/2020	7/27/2020
tblConstructionPhase	PhaseStartDate	5/6/2021	8/16/2021
tblConstructionPhase	PhaseStartDate	5/30/2020	6/15/2020
tblGrading	AcresOfGrading	15.00	4.88
tblGrading	MaterialImported	0.00	1,711.00
tblLandUse	LotAcreage	11.69	4.88
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	214.00	172.00
tblVehicleTrips	ST_TR	9.91	9.69
tblVehicleTrips	SU_TR	8.62	9.69
tblVehicleTrips	WD_TR	9.52	9.69

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1427	42.4641	22.1516	0.0402	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,888.9979	3,888.9979	1.1952	0.0000	3,915.5531
2021	30.6394	17.8792	16.9860	0.0289	0.1643	0.9602	1.0941	0.0436	0.9028	0.9389	0.0000	2,760.8545	2,760.8545	0.6240	0.0000	2,776.4553
Maximum	**30.6394**	**42.4641**	**22.1516**	**0.0402**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**3,888.9979**	**3,888.9979**	**1.1952**	**0.0000**	**3,915.5531**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1427	42.4641	22.1516	0.0402	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,888.9979	3,888.9979	1.1952	0.0000	3,915.5531
2021	30.6394	17.8792	16.9860	0.0289	0.1643	0.9602	1.0941	0.0436	0.9028	0.9389	0.0000	2,760.8545	2,760.8545	0.6240	0.0000	2,776.4553
Maximum	**30.6394**	**42.4641**	**22.1516**	**0.0402**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**3,888.9979**	**3,888.9979**	**1.1952**	**0.0000**	**3,915.5531**

1005 North Park Victoria Drive - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	39.0343	0.7527	51.2269	0.0910		6.8393	6.8393		6.8393	6.8393	733.6202	227.7008	961.3210	0.9123	0.0518	999.5544
Energy	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Mobile	0.5090	2.5216	6.0654	0.0194	1.7125	0.0184	1.7309	0.4582	0.0173	0.4755		1,965.2997	1,965.2997	0.0776		1,967.2391
Total	**39.5742**	**3.5385**	**57.4047**	**0.1122**	**1.7125**	**6.8790**	**8.5915**	**0.4582**	**6.8779**	**7.3361**	**733.6202**	**2,530.2586**	**3,263.8788**	**0.9963**	**0.0580**	**3,306.0557**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7823	0.5081	3.1781	3.1800e-003		0.0547	0.0547		0.0547	0.0547	0.0000	610.1479	610.1479	0.0168	0.0111	613.8715
Energy	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Mobile	0.4963	2.4245	5.7757	0.0182	1.5943	0.0173	1.6116	0.4266	0.0162	0.4428		1,839.1410	1,839.1410	0.0740		1,840.9898
Total	**2.3095**	**3.1968**	**9.0662**	**0.0231**	**1.5943**	**0.0934**	**1.6877**	**0.4266**	**0.0923**	**0.5189**	**0.0000**	**2,786.5470**	**2,786.5470**	**0.0972**	**0.0173**	**2,794.1235**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**94.16**	**9.66**	**84.21**	**79.44**	**6.90**	**98.64**	**80.36**	**6.90**	**98.66**	**92.93**	**100.00**	**-10.13**	**14.62**	**90.25**	**70.20**	**15.48**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/4/2020	6/12/2020	5	30	
2	Site Preparation	Site Preparation	6/15/2020	7/24/2020	5	30	
3	Grading	Grading	7/27/2020	9/4/2020	5	30	
4	Building Construction	Building Construction	9/7/2020	8/13/2021	5	245	
5	Paving	Paving	8/16/2021	9/24/2021	5	30	
6	Architectural Coating	Architectural Coating	9/27/2021	11/5/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.88

Acres of Paving: 0

Residential Indoor: 131,220; Residential Outdoor: 43,740; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	172.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0755	0.0000	0.0755	0.0114	0.0000	0.0114			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0755**	**1.6587**	**1.7342**	**0.0114**	**1.5419**	**1.5533**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8300e-003	0.0978	0.0204	2.6000e-004	5.8200e-003	3.2000e-004	6.1400e-003	1.6000e-003	3.0000e-004	1.9000e-003		27.8831	27.8831	1.4900e-003		27.9204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	**0.0580**	**0.1368**	**0.3984**	**1.4000e-003**	**0.1290**	**1.1200e-003**	**0.1302**	**0.0343**	**1.0400e-003**	**0.0353**		**141.2929**	**141.2929**	**4.2600e-003**		**141.3995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0755	0.0000	0.0755	0.0114	0.0000	0.0114			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0755**	**1.6587**	**1.7342**	**0.0114**	**1.5419**	**1.5533**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8300e-003	0.0978	0.0204	2.6000e-004	5.8200e-003	3.2000e-004	6.1400e-003	1.6000e-003	3.0000e-004	1.9000e-003		27.8831	27.8831	1.4900e-003		27.9204
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	**0.0580**	**0.1368**	**0.3984**	**1.4000e-003**	**0.1290**	**1.1200e-003**	**0.1302**	**0.0343**	**1.0400e-003**	**0.0353**		**141.2929**	**141.2929**	**4.2600e-003**		**141.3995**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2010	0.0000	6.2010	3.3298	0.0000	3.3298			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.2010**	**1.2734**	**7.4745**	**3.3298**	**1.1716**	**4.5014**		**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0486	1.6826	0.3514	4.4800e-003	0.1002	5.4600e-003	0.1056	0.0275	5.2300e-003	0.0327		479.5897	479.5897	0.0256		480.2304
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	**0.1038**	**1.7216**	**0.7294**	**5.6200e-003**	**0.2234**	**6.2600e-003**	**0.2296**	**0.0601**	**5.9700e-003**	**0.0661**		**592.9995**	**592.9995**	**0.0284**		**593.7095**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2010	0.0000	6.2010	3.3298	0.0000	3.3298			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	**2.4288**	**26.3859**	**16.0530**	**0.0297**	**6.2010**	**1.2734**	**7.4745**	**3.3298**	**1.1716**	**4.5014**	**0.0000**	**2,872.4851**	**2,872.4851**	**0.9290**		**2,895.7106**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0486	1.6826	0.3514	4.4800e-003	0.1002	5.4600e-003	0.1056	0.0275	5.2300e-003	0.0327		479.5897	479.5897	0.0256		480.2304
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	**0.1038**	**1.7216**	**0.7294**	**5.6200e-003**	**0.2234**	**6.2600e-003**	**0.2296**	**0.0601**	**5.9700e-003**	**0.0661**		**592.9995**	**592.9995**	**0.0284**		**593.7095**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0160	0.4610	0.1244	1.0700e-003	0.0271	2.2700e-003	0.0294	7.7900e-003	2.1700e-003	9.9700e-003		113.7309	113.7309	6.2200e-003		113.8863
Worker	0.0478	0.0338	0.3276	9.9000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		98.2885	98.2885	2.4000e-003		98.3486
Total	**0.0638**	**0.4948**	**0.4520**	**2.0600e-003**	**0.1339**	**2.9600e-003**	**0.1368**	**0.0361**	**2.8100e-003**	**0.0389**		**212.0194**	**212.0194**	**8.6200e-003**		**212.2349**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0160	0.4610	0.1244	1.0700e-003	0.0271	2.2700e-003	0.0294	7.7900e-003	2.1700e-003	9.9700e-003		113.7309	113.7309	6.2200e-003		113.8863
Worker	0.0478	0.0338	0.3276	9.9000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		98.2885	98.2885	2.4000e-003		98.3486
Total	**0.0638**	**0.4948**	**0.4520**	**2.0600e-003**	**0.1339**	**2.9600e-003**	**0.1368**	**0.0361**	**2.8100e-003**	**0.0389**		**212.0194**	**212.0194**	**8.6200e-003**		**212.2349**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0131	0.4169	0.1120	1.0600e-003	0.0271	9.3000e-004	0.0280	7.7900e-003	8.9000e-004	8.6800e-003		112.6509	112.6509	5.8700e-003		112.7976
Worker	0.0443	0.0302	0.2988	9.5000e-004	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		94.8398	94.8398	2.1500e-003		94.8934
Total	**0.0574**	**0.4471**	**0.4108**	**2.0100e-003**	**0.1339**	**1.6000e-003**	**0.1355**	**0.0361**	**1.5100e-003**	**0.0376**		**207.4906**	**207.4906**	**8.0200e-003**		**207.6910**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0131	0.4169	0.1120	1.0600e-003	0.0271	9.3000e-004	0.0280	7.7900e-003	8.9000e-004	8.6800e-003		112.6509	112.6509	5.8700e-003		112.7976
Worker	0.0443	0.0302	0.2988	9.5000e-004	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		94.8398	94.8398	2.1500e-003		94.8934
Total	**0.0574**	**0.4471**	**0.4108**	**2.0100e-003**	**0.1339**	**1.6000e-003**	**0.1355**	**0.0361**	**1.5100e-003**	**0.0376**		**207.4906**	**207.4906**	**8.0200e-003**		**207.6910**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0940**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**		**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0940**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**	**0.0000**	**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.4102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**30.6291**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	6.9600e-003	0.0689	2.2000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		21.8861	21.8861	5.0000e-004		21.8985
Total	**0.0102**	**6.9600e-003**	**0.0689**	**2.2000e-004**	**0.0246**	**1.6000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6800e-003**		**21.8861**	**21.8861**	**5.0000e-004**		**21.8985**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.4102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**30.6291**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	6.9600e-003	0.0689	2.2000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		21.8861	21.8861	5.0000e-004		21.8985
Total	**0.0102**	**6.9600e-003**	**0.0689**	**2.2000e-004**	**0.0246**	**1.6000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6800e-003**		**21.8861**	**21.8861**	**5.0000e-004**		**21.8985**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Improve Destination Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4963	2.4245	5.7757	0.0182	1.5943	0.0173	1.6116	0.4266	0.0162	0.4428		1,839.1410	1,839.1410	0.0740		1,840.9898
Unmitigated	0.5090	2.5216	6.0654	0.0194	1.7125	0.0184	1.7309	0.4582	0.0173	0.4755		1,965.2997	1,965.2997	0.0776		1,967.2391

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	348.98	348.98	348.98	806,016	750,401
Total	348.98	348.98	348.98	806,016	750,401

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
NaturalGas Unmitigated	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2866.69	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Total		**0.0309**	**0.2642**	**0.1124**	**1.6900e-003**		**0.0214**	**0.0214**		**0.0214**	**0.0214**		**337.2581**	**337.2581**	**6.4600e-003**	**6.1800e-003**	**339.2623**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.86669	0.0309	0.2642	0.1124	1.6900e-003		0.0214	0.0214		0.0214	0.0214		337.2581	337.2581	6.4600e-003	6.1800e-003	339.2623
Total		**0.0309**	**0.2642**	**0.1124**	**1.6900e-003**		**0.0214**	**0.0214**		**0.0214**	**0.0214**		**337.2581**	**337.2581**	**6.4600e-003**	**6.1800e-003**	**339.2623**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7823	0.5081	3.1781	3.1800e-003		0.0547	0.0547		0.0547	0.0547	0.0000	610.1479	610.1479	0.0168	0.0111	613.8715
Unmitigated	39.0343	0.7527	51.2269	0.0910		6.8393	6.8393		6.8393	6.8393	733.6202	227.7008	961.3210	0.9123	0.0518	999.5544

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37.3074	0.7183	48.2504	0.0909		6.8229	6.8229		6.8229	6.8229	733.6202	222.3529	955.9731	0.9071	0.0518	994.0769
Landscaping	0.0902	0.0344	2.9765	1.6000e-004		0.0164	0.0164		0.0164	0.0164		5.3479	5.3479	5.1800e-003		5.4775
Total	**39.0343**	**0.7527**	**51.2269**	**0.0910**		**6.8393**	**6.8393**		**6.8393**	**6.8393**	**733.6202**	**227.7008**	**961.3210**	**0.9123**	**0.0518**	**999.5544**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0554	0.4738	0.2016	3.0200e-003		0.0383	0.0383		0.0383	0.0383	0.0000	604.8000	604.8000	0.0116	0.0111	608.3940
Landscaping	0.0902	0.0344	2.9765	1.6000e-004		0.0164	0.0164		0.0164	0.0164		5.3479	5.3479	5.1800e-003		5.4775
Total	**1.7823**	**0.5081**	**3.1781**	**3.1800e-003**		**0.0547**	**0.0547**		**0.0547**	**0.0547**	**0.0000**	**610.1479**	**610.1479**	**0.0168**	**0.0111**	**613.8715**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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APPENDIX B

CLIMATE ACTION PLAN DEVELOPMENT CHECKLIST

APPENDIX C: DEVELOPMENT CHECKLIST

DEVELOPMENT CHECKLIST

The following checklist has been developed to assist project applicants and City staff to determine whether a proposed project complies with the Climate Action Plan.

If the proposed project's expected GHG emissions were not considered in the GHG emissions 2020 and 2035 forecast included in **Appendix A** of the CAP, this checklist is provided for informational use but may not preclude preparation of separate GHG analysis for the project. Examples of projects that may not be incorporated into the City's forecast include stationary source emissions regulated by the Bay Area Air Quality Management District, General Plan amendments, new specific plans that exceed the City's proposed population and job growth forecasts, and GHG emissions used in specific manufacturing processes that are not easily tracked at a community-wide level.

PROJECT DESCRIPTION/CHARACTERISTICS

Please identify the applicable land uses included in the proposed project and provide a brief description of the proposed project (or the project description to be used for the associated environmental document).

Identify the applicable land uses:

☒ Residential ☐ Commercial ☐ Industrial ☐ Manufacturing ☐ Other

Project Description:

36 x NEW 2-STORY RESIDENTIAL HOMES INCLUDING
10 x ACCESSORY DWELLING UNITS ON TOP OF DETACHED
GARAGES.

APPENDIX C: DEVELOPMENT CHECKLIST

AMENDMENTS REQUESTED

Does the project require an amendment to any of the following planning documents?

General Plan: ☒ Yes ☐ No ☐ Not Sure

Midtown Specific Plan: ☐ Yes ☒ No ☐ Not Sure

Transit Area Specific Plan: ☐ Yes ☒ No ☐ Not Sure

GHG EMISSIONS INCORPORATED WITHIN CITY GHG FORECAST

Was this project, and its potential GHG emissions sources, considered in the City's GHG inventory and forecast?

☐ Yes ☒ No ☐ To be determined by staff

PROJECT SOURCES OF GHG EMISSIONS CONSIDERED IN CITY INVENTORY

Identify the activities and sources of GHG emissions anticipated by the proposed project during either the construction or operational phases of the project.

Potential GHG Emissions Sources		
☒ Electricity Use	☐ Res./Comm./Ind. Waste	☒ Gasoline or Diesel Use
☐ Natural Gas Use	☐ Wastewater Disposal	☒ Transportation (On-Road)
☒ Const. & Demolition Waste	☒ Water Use	☐ Off-Road Equipment
☐ Other _____		

APPLICABLE MEASURES/COMPLIANCE

Identify in the checklist below the applicable measures that will be implemented as part of the proposed project to demonstrate consistency with the City's Climate Action Plan.

Required Measures

This list includes measures and actions included in the CAP that are (1) required to be included in the project design and implementation and(2) currently being implemented by the City. By following these

two conditions and meeting the requirements identified below, the project demonstrates consistency with the CAP. As the City implements additional CAP measures, they will be added to this list.

Measure	Action	Applicability	Compliance*
8.1: Transportation Demand Management	Adopt city-wide TDM ordinance by 2015	Project reduces vehicle demand, ped/bicycle amenities ex. sidewalks + bike lanes.	☒ Yes ☐ No ☐ N/A
1.5: Urban cooling	Achieve urban cooling through standards for new development.	Project includes private open space, landscaped areas and bioretention space.	☒ Yes ☐ No ☐ N/A
5.1: Increased Densities	Promote increase of densities.	Project would develop new residences near existing commercial uses reducing vehicle demand	☒ Yes ☐ No ☐ N/A
5.3: Open Space	Expand City parks and open spaces.	Project includes 59,094 sf private open space and 38,624 sf landscaped area.	☒ Yes ☐ No ☐ N/A
6.3: Dense and centralized development.	Promote dense development in central locations and transportation corridors	Project would develop new residences near existing commercial uses reducing vehicle demand	☒ Yes ☐ No ☐ N/A
7.2: Complete streets.	Initiate city-wide complete streets program.	Provides ped/bicycle amenities, ex. sidewalks, bike lanes, shading + landscaping.	☒ Yes ☐ No ☐ N/A
7.3: Bikeways Maintenance Infrastructure	Implement facilities to achieve high levels of bicycle + ped. activity	Provides ped/bicycle amenities, ex. sidewalks, bike lanes, shading + landscaping.	☒ Yes ☐ No ☐ N/A

** All measures that are considered applicable on this list are required to be implemented in order to demonstrate consistency with the CAP.*

RECOMMENDED MEASURES

This list includes measures and actions identified in the CAP, or programs and regulations that have yet to be adopted by the City, which would apply to a project of this type. These measures should be included in the project design as feasible and, once implemented or adopted by the City, be included in the list of required measures above.

Measure	Action	Applicability	Compliance*
11.1: Waste Diversion	Increase diversion of solid waste to 75% per AB 341.	Project complies with AB 341	☒ Yes ☐ No ☐ N/A
10.4: Residential EV charging	Facilitate EV charging stations	W/ mit. meas. ~~GHG-1~~ Project would provide EV home charging.	☒ Yes ☐ No ☐ N/A
12.1: Lawn and Garden Equipment	Support transition to cleaner outdoor lawn equipment	W/ mit. meas. ~~GHG-1~~ Project would provide ext. elec. outlets	☒ Yes ☐ No ☐ N/A
12.2: Construction Best Management Practices	Encourage projects to comply w/ BAAQMD best practices	W/ mit. meas. ~~AIR-1~~ Project would comply w/ BAAQMD mit. meas.	☒ Yes ☐ No ☐ N/A
			☐ Yes ☐ No ☐ N/A
			☐ Yes ☐ No ☐ N/A

** All measures considered applicable on this list should be considered for implementation in order to demonstrate consistency with the CAP.*

OTHER GHG REDUCTION MEASURES IMPLEMENTED

List and describe any additional measures that this project will incorporate to reduce GHG emissions that are not included in the CAP. If available, provide the estimated GHG reductions that would occur on an annual basis from implementing the measure, in $MTCO_2e$.

Additional Measure	Estimated Annual GHG Reductions ($MTCO_2e$)

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APPENDIX C

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Phase I Environmental Site Assessment

1005 North Park Victoria Drive
APN 029-04-040
Milpitas, California

Prepared for:

Robson Homes, LLC
San Jose, CA

Prepared by:
Ramboll US Corportation
Emeryville, CA

Date:
January 16, 2018

Project Number:
1690001783

Signature and Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR §312.10.

Further, I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Anne W. Gates, P.E.

Ramboll US Corporation
2200 Powell Street, Suite 700
Emeryville, CA

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C.1: Aerial Photographs
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C.3: Topographic Maps
C.4: Abstract of City Directories
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Appendix D: Ramboll Environ 2015 Phase I Report
Appendix E: JR Associates Magnetic Investigation Report
Appendix F: Qualifications of Environmental Professionals

1 Summary of Conclusions

Ramboll US Corporation (Ramboll; formerly Ramboll Environ) was retained by Robson Homes, LLC ("Robson Homes") to perform a Phase I Environmental Site Assessment (ESA) of the property located at 1005 North Park Victoria Drive in Milpitas, California (herein referred to as the "site" or "property"). Ramboll's assessment was conducted in connection with the purchase of the property. The ESA described in this report was performed in general conformance with the scope and limitations of the ASTM International's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E-1527-13 (the "ASTM Standard"), as stated in Chapter 2.0 (Introduction). Any exceptions to, or deletions from, this practice are described in Section 6.3 of this report.

1.1 Recognized Environmental Conditions

Ramboll did not identify any "recognized environmental condition[s]" (REC[s]), as defined by ASTM (see Chapter 2.0), in connection with unrestricted residential use of the property. No further investigation of the site is warranted at this time.

1.2 Other Findings

Although not considered a REC based on currently available information, Ramboll identified the following other finding. The term "other finding" is not defined by ASTM; rather, Ramboll uses the term to connote areas of contingent risk that are not clearly defined by the ASTM Standard.

- **Former Agricultural Use.** Between at least 1939 and the purchase of the site by the current site owner in 1978, the site was used for agricultural purposes including as an apricot orchard. Pesticides may have been used during the period of agricultural use at the site. Shallow soil sampling was conducted by Ramboll at the site in 2015 to identify impacts from potential pesticide use. All concentrations of pesticides and metals were less than residential screening levels with the exception of one sample that reported a concentration of the pesticide dichlorodiphenylethylene (p,p-DDE) slightly above the residential screening level. The low concentration and localized presence of p,p-DDE at one sampling location is not a concern for the site.

De minimis conditions, as defined in Chapter 2.0, along with other site conditions observed during the site visits, are discussed within relevant sections of this report and are summarized in Chapter 6.0.

2 Introduction

2.1 Purpose

Ramboll was retained by Robson Homes to conduct a Phase I ESA of the property located at 1005 North Park Victoria Drive in Milpitas, California (Assessor's Parcel Number [APN] 029-04-040). Ramboll's assessment was conducted in connection with the purchase of the property. The purpose of the assessment was to identify RECs, which are defined in the ASTM Standard as:

> "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions."

2.2 Scope of the Phase I ESA

Ramboll completed the following tasks, consistent with the ASTM Standard, during its Phase I ESA of the property:

- Visits to the site by Jason Kane of Ramboll on January 13, 2017, July 13, 2017, and January 4, 2018, to observe the features of the site and to identify the uses and conditions specified in the ASTM Standard. During the site visit, Ramboll observed the adjoining properties from the site or adjacent public thoroughfares. Photographs taken during the site visit are presented in Appendix A.
- Email interviews on January 15, 2017, June 26, 2017, and January 5, 2018, with Ciema Salem, the daughter of the owner of the site since approximately 1978. Ms. Salem is herein referred to as the "site personnel". The site personnel interviewed by Ramboll were identified as having good knowledge of the current and historical uses and physical characteristics of the site.
- A review of information contained in federal and state environmental databases, as obtained from the sources noted below:
  - A radius report prepared by Environmental Data Resources, Inc. (EDR) on December 26, 2017 for the site and off-site properties in the vicinity of the site. A copy of the EDR radius report is included as Appendix B. The databases and the radius searched for each database were selected in accordance with the ASTM Standard and are identified in the EDR database report. The dates of the most recent updates of the environmental databases are also listed in the database report.
  - The United States Environmental Protection Agency's (USEPA's) Envirofacts database, which provides site information contained in multiple USEPA regulatory databases.
  - The USEPA's Enforcement and Compliance History Online (ECHO) database, which provides information on sites' enforcement and compliance history.

- The State of California's Regional Water Quality Control Board (RWQCB) Geotracker online database and the California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC) Envirostor online database.

- A review of the EDR Environmental Lien Search Report dated December 27, 2017 to identify environmental liens or activity use limitations (AULs) imposed by judicial authorities with respect to the property.
- A review of standard historical sources (included as Appendix C) and local agency inquiries, as defined in the ASTM Standard. The following resources were reviewed:
  - Readily available historical sources, including (where available) historical topographic maps and aerial photographs, city directories, and Sanborn Maps, to develop a history of the previous uses of the site and surrounding area.
  - Historical and site-specific information obtained from the following local agencies: Santa Clara County Assessor's Office (Assessor), the City of Milpitas Fire Prevention (Fire Prevention), and the City of Milpitas Building Department (Building Department). Ramboll also requested files from Santa Clara County Environmental Health Department (SCCDEH), Santa Clara Valley Water District (SCVWD), and the City of Milpitas Department of Public Works.
  - A review of electronic files was performed by Ramboll on June 16, 2015 at the Building Department office.
- A review of physical setting sources, as defined in the ASTM Standard, including:
  - The current USGS 7.5-minute topographic map that shows the area on which the site is located.
  - Geologic, hydrogeologic, or hydrologic sources as provided in the EDR report.
- A review of *Phase I Environmental Site Assessment and Surface Soil Investigation, 1005 North Park Victoria Drive, Milpitas, California,* prepared by Ramboll Environ, dated August 18, 2015 (herein referred to as the "2015 Phase I report"). The 2015 Phase I report is included as Appendix D.
- A review of the *ALTA/ASCM Land Title Survey*, *1005 North Park Victoria Drive, Milpitas, California*, prepared by Civil Engineering Associates (CEA), dated January 9, 2018.
- A review of the *Preliminary Title Report* for the site, prepared by First American Title Insurance Company, dated January 9, 2018.
- A review of the geophysical survey report for the site titled *Magnetic Investigation at 1005 North Park Victoria Drive in Milpitas, California*, prepared by JR Associates, dated June 11, 2015 (included as Appendix E).
- A review of the *Alquist Priolo Special Studies Zone Investigation*, *1005 North Park Victoria Drive, Milpitas, California*, prepared by Geo-Logic Associates, dated July 16, 2015.
- Ramboll provided Robson Homes with a User Questionnaire consistent with Appendix X3 of the ASTM Standard. Pertinent responses, if any, are discussed in the appropriate sections of this report.

This assessment was conducted in accordance with ASTM Standard E1527-13, as agreed upon by Ramboll and Robson Homes in January 2017. Certain "non-scope considerations," as defined in the ASTM Standard (i.e., asbestos-containing materials [ACM], radon, lead-based paint, mold) are not directly addressed in this Phase I ESA.

2.3 Significant Assumptions

In conducting this review, no significant assumptions were made, except for the following:

- Site-specific field measurements of groundwater gradient are not available. Groundwater flow directions at nearby sites (available in closure documentation for leaking underground storage tank [LUST] cases posted to the RWQCB Geotracker website) indicated a range of groundwater flow directions in the area, ranging from west to south. Based on these measurements and the local topographic gradient (generally to the west-southwest), Ramboll has assumed that the groundwater flow direction beneath the site is approximately to the southwest. In evaluating potential on-site impacts from off-site sources, those off-site facilities not located adjacent to or within one-quarter mile upgradient of the subject site are not considered to represent a significant concern to the subject site. This interpretation is based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, although a hazardous material can migrate in the groundwater in a generally downgradient direction.

2.4 Reliance and General Limitations

This environmental review has been prepared exclusively without limitation for use by Robson Homes, LLC and affiliated entities including Santa Clara Development Company, Sun Lakes Construction Company of California, and Vesta Real Estate Company Inc., and such other persons or entities whose reliance is explicitly authorized in writing by Ramboll.

The report is considered current only for a period of 180 days from Ramboll's most recent site visit which was conducted on January 4, 2018. The conclusions presented in this report represent Ramboll's best professional judgment based upon the information available and conditions existing as of the date of the review. In performing its assignment, Ramboll must rely upon publicly available information, information provided by the client, and information provided by third parties. Accordingly, the conclusions in this report are valid only to the extent that the information provided to Ramboll was accurate and complete. This review is not intended as legal advice, nor is it an exhaustive review of site conditions or facility compliance.

The scope of work for this assessment did not include an asbestos survey or inspection. According to federal OSHA regulations (29 CFR §1910.1001) and the Model Accreditation Plan (MAP; 40 CFR Part 763, Subpart E, Appendix C), the inspection, testing, evaluation, and/or sampling of suspect asbestos-containing materials must be conducted by an accredited inspector; these activities were not performed as part of this environmental review. Comments in this report regarding the condition of building materials at the site, including presumed or suspect ACM, represent only Ramboll's observations at the time of the site visit and are not intended to be consistent with definitions regarding ACM condition in the Asbestos Hazard

Emergency Response Act (AHERA) or in other federal or state asbestos regulations or industry standards.

Other issues considered outside the scope of the ASTM Standard and this review include radon, lead-based paint, lead in drinking water, wetlands, PCBs in building materials, cultural and historic resources, ecological resources, endangered species, and high voltage power lines.

3 Site Description

3.1 Site Setting

The property is approximately 4.85 acres in area and is located in Milpitas, Santa Clara County, California (the "site" or "property"). According to the Santa Clara County Assessor's Office, the APN for the site is 029-04-040. The site is located approximately 1.2 miles northeast of the City of Milpitas Civic Center (Figure 1).

The site is developed with a one-story house and one-story garage. The remaining portion of the site is an open field with scattered trees. An asphalt and gravel driveway connects the site to North Park Victoria Drive in the southeastern portion of the site. There are no on-site surface water bodies.

Table A provides an overview of physical setting and utility information for the site.

Table A: Physical Setting and Utility Information

Conditions	Source	Description
Topography		
Elevation (above mean sea level)	USGS topographic map; Google Earth	Ranging from approximately 32 to 50 feet across the site.
Topographic Gradient	USGS topographic map; visual observations	Gently sloping downward to the west across the site. Regional topography slopes gently downward to the west-southwest toward San Francisco Bay.
Hydrology		
Surface Water Runoff	Visual observations	Storm water from impervious surfaces at and in the vicinity of the house flows to the west and infiltrates into the on-site open field.
Nearest Surface Water Body	USGS topographic map; visual observations	An engineered channel is located approximately 400 feet to the west of the site. Tularcitos Creek is located approximately 0.4 mile east-southeast of site. The engineered channel and Tularcitos Creek joins with other channels and creeks in the San Jose area and ultimately drains to San Francisco Bay, located approximately 8.0 miles west of the site.
Flood Plain	FEMA*; site personnel	Site personnel reported no historical flooding at the site. The site is not located within a 500-year flood zone.
Wetlands	NWI*	There are no federally-designated wetlands on-site or within 0.5 mile of the site.
Geology and Hydrogeology		
Presumed Direction of Shallow Groundwater Flow	LUST case closure documentation for sites within approximately 1.0 mile of the site, reviewed on RWQCB Geotracker online database	Site-specific field measurements of groundwater gradient are not available. Groundwater flow directions at nearby sites (available in closure documentation for LUST cases posted to the RWQCB Geotracker website) indicated a range of groundwater flow directions in the area, ranging from west to south. Based on these measurements and the local topographic gradient (generally to the west-southwest), Ramboll has assumed that the groundwater flow direction beneath the site is approximately to the southwest.

Table A: Physical Setting and Utility Information

Conditions	Source	Description
Depth to Groundwater	June 2015 geotechnical investigation conducted at the site; 1984 geotechnical investigation conducted adjacent to the south of the site; 2006 groundwater monitoring report for a site located approximately 0.2 mile southwest of the site, reviewed on RWQCB Geotracker online database	A June 2015 geotechnical investigation conducted at the site by Geo-Logic Associates on behalf of Robson Homes did not encounter any groundwater down to approximately 12 feet below ground surface (bgs). A 1984 geotechnical investigation conducted adjacent to the south of the site reported depth to groundwater to be approximately 14 feet bgs. Groundwater monitoring reports for a former LUST cleanup site located approximately 0.2 mile from the site indicate historical groundwater levels ranged between approximately 18 and 20 feet above mean sea level. Based on the site ground surface elevations ranging between approximately 32 to 50 feet above mean sea level across the site, depth to groundwater at the site likely ranges between 12 and 30 feet bgs.
On-site Wells	Site personnel; visual observations	There are no on-site monitoring wells.
Nearest Groundwater Supply Wells	EDR database report	No state-registered, federally-registered, and/or public water-supply wells are present within one mile of the site.
Geologic Conditions	2015 geotechnical investigation at the site; EDR database report	Ramboll observed the sidewalls of an approximately 3-feet wide, 12-feet deep trench during a geotechnical investigation conducted at the site in June 2015 by Geo-Logic Associates on behalf of Robson Homes. Silts and clays were observed on the sidewalls of the trench down to a depth of approximately 12 feet bgs. The EDR physical setting report indicates that surface soil types in the area consist of silty clays. Underlying sediments are reported to be silty clay loams and weathered bedrock.
Site Utility Information		
Electricity Supplier	Site personnel	Pacific Gas & Electric (PG&E)
Natural Gas Supplier	Site personnel	PG&E
Use of Fuel Oil for Building Heat	Site owner; site personnel	No current or former use of fuel oil reported.
Water Supplier	Site personnel	City of Milpitas Public Works Department
Sanitary Sewer	Site personnel	City of Milpitas Public Works Department
Septic Systems	Site owner; site personnel	Site personnel reported there may be an out-of-service wooden septic tank at an unknown location at the property.

Table A: Physical Setting and Utility Information		
Conditions	**Source**	**Description**
Notes: FEMA = Federal Emergency Management Agency; NCCS = National Cooperative Soil Survey ; NWI = National Wetlands Inventory * - Source was provided in the EDR database report.		

3.2 Current Use of Property

The property is approximately 4.85 acres and developed with a one-story house and one-story garage. Both the on-site house and garage have been abandoned with boarded windows and doors since approximately 1995. The remaining portion of the site is open field with scattered trees.

3.3 Current Uses of Adjoining Properties

The site is located in a residential land use area. Based on discussions with site personnel, Ramboll's visual observations from the property boundary and public rights-of-way, and a limited review of publicly available information, a general determination of the current use of adjacent properties was developed, as described in Table B.

Table B: Current Use of Adjacent Properties		
Direction	**Property/Land Use**	**Ramboll's Observations**
North, west, and south	Residential, located across Creed and Rankin Streets.	No apparent exterior manufacturing or chemical storage operations were observed. Residential areas consist of single family homes. No concerns were noted.
East	Residential and vacant lot located across North Park Victoria Drive.	No apparent exterior manufacturing or chemical storage operations were observed. Residential areas consist of single family homes. No concerns were noted.
Notes: During the site visit, Ramboll walked or drove by the borders of these properties that are shared with the subject site. Ramboll did not enter the neighboring properties.		

4 Review of Public Records and Other Information Sources

4.1 Environmental Regulatory Database Review

Ramboll contracted with EDR to prepare a summary of listings in federal and state agency databases within applicable radii of the site as specified by the ASTM standard.[1] A copy of the EDR report, dated December 26, 2017, is presented in Appendix B.

4.1.1 Database Review for Site

Ramboll reviewed the results of the state and federal environmental database searches performed by EDR (see Appendix B) and also searched the Geotracker and Envirostor databases. The site was not listed on any of the databases searched.

4.1.2 Database Review for Adjoining Properties

Ramboll's analysis of adjoining properties was based on observations made during the site reconnaissance (as discussed in Table B) and location information for off-site listings as presented in the EDR report. The discussion of adjoining sites does not include listings for certain databases that are (by themselves) not necessarily indicative of a contamination concern (e.g., compliance listings beyond those specified in Section 8.2.1 of the ASTM Standard). Also, for purposes of this analysis, Ramboll considers "adjoining" properties to be immediately adjacent, even if separated by a road or other physical barrier.

- **Fox Hollow Development.** The Fox Hollow residential development is located adjacent to the south of the site and is listed on the Fuel Leak Site Activity Report (HIST LUST), Geotracker's Leaking Underground Fuel Tank Report (LUST), and Hazardous Waste & Substance Site List (HIST CORTESE) databases. According to documentation reviewed on the RWQCB Geotracker online database, two 500-gallon gasoline USTs were removed from the Fox Hollow development in May 1988. The USTs were reportedly used for the refuelling of farm equipment, as the Fox Hollow development was historically used for agricultural purposes. One of the Fox Hollow USTs was approximately located southeast of the site under what is currently the intersection of Fox Hollow Court and North Park Victoria Drive. The second Fox Hollow UST was approximately located in the lot of the current off-site residence that is adjacent to the on-site garage structure. The removal of the USTs and associated piping was conducted under the oversight of the Milpitas Fire Department. The USTs were observed to be in good condition upon removal with no holes or corrosion reported. No odor or visual indication of a release was observed in the bottom of the tank excavation pits. Soil samples were collected from the bottoms of the excavation pits at a depth of approximately 6 feet bgs and analyzed for total petroleum hydrocarbons in the gasoline range (TPH-g) and benzene, toluene, ethylbenzene, and xylene (BTEX). All concentrations were less than laboratory reporting limits with the exception of TPH-g and xylene, reported to be 5.9 and 0.15 parts per million (ppm), respectively, in a base confirmation sample from the former UST located in the lot of the current off-site residence that is adjacent to the on-site garage structure. Based on the

[1] EDR uses the term "radii" to refer to the ASTM terminology "approximate minimum search distance" in the environmental database report.

very low concentrations of TPH-g and xylene reported in only one of the confirmation samples and the presence of silty clay between the base of the former UST and underlying groundwater (reportedly 14 feet bgs), the case was recommended for closure by SCVWD on May 7, 1991 and granted closure by RWQCB on May 29, 1991. The Fox Hollow Development is not of concern to the subject site.

4.1.3 Database Review for Non-Adjoining Properties

There are several listings in the EDR database report for off-site non-adjoining properties. A summary of the pertinent listings is provided below. As noted in Table A, shallow groundwater beneath the site likely flows to the southwest. Within this section, Ramboll did not discuss certain listings for off-site non-adjoining properties that are (by themselves) not necessarily indicative of a contamination concern (e.g., hazardous waste generators, registered storage tanks, compliance listings). Also, Ramboll did not discuss herein any off-site non-adjoining property that is presumed to be downgradient or crossgradient of the subject site. This analysis was based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, but a hazardous material can migrate in the groundwater in a generally downgradient direction; however, the direction of groundwater flow may be affected by localized topographic, hydraulic, and hydrogeologic conditions.

- **Summitpointe Golf Club.** The Summitpointe Golf Club, also known as the Tularcitos Golf and Country Club, is located at 1200 Country Club Drive in Milpitas, California, approximately 0.5 mile to the east-northeast of the site. The property is listed on the Historical Substance Storage Container Database (HIST UST), Facility Inventory Database (CA FID UST), HIST CORTESE, LUST, Fuel Leak Lists (LUST REG 2), LUST SANTA CLARA, Fuel Leak Site Activity Report (HIST LUST SANTA CLARA), CUPA Facility List (CUPA SANTA CLARA), and Statewide Environmental Evaluation and Planning System Listing System (SWEEPS UST) databases. The listings refer to a closed underground fuel leak case. In April 1994, a 6,000-gallon gasoline UST, 2,000-gallon gasoline UST, 1,000-gallon diesel UST, and associated piping were removed from the property. Soil and groundwater sampling in the vicinity of the removed USTs indicated gasoline and diesel contamination. Approximately 200 cubic yards of soil was over-excavated and confirmation samples of the excavation reported concentrations of 38 ppm as TPH-g in soil and 250 parts per billion (ppb) as TPH in the diesel range (TPH-d) in grab groundwater. In December 2002, a monitoring well located adjacent to the former USTs was sampled by Ramboll Environ and analyzed for TPH-g and BTEX. No constituents were reported above laboratory reporting limits. The Golf Club property was granted case closure by SCCDEH in July 2008 and is not of concern to the subject site.

4.2 Historical Uses of the Site and Adjacent Sites

4.2.1 Past Uses of the Site

The site was historically used for agricultural purposes, including as an apricot orchard. The residence was constructed at the site in approximately 1953. The current owner, Hooshang Salem, purchased the site in 1978, at which time agricultural operations ceased. Mr. Salem rented the site to various tenants who used the site for residential purposes until approximately 1995, when the house and adjacent garage were boarded to prevent vandalism. Following

Ramboll's 2015 Phase I report in August 2015, Robson Homes hired a subcontractor to securely board all exterior openings on the house and garage at the site to prevent entry into the site buildings. During Ramboll's January 2017, July 2017, and January 2018 site visits, the boarded openings were observed to be untampered with indicating the interiors of the site buildings had not been entered since the buildings were secured in 2015.

A summary of Ramboll's key observations from the available historical sources is presented in Table C.

Table C: Summary of Key Observations from Historical Sources for the Subject Site

Historical Source	Key Observations Regarding Site History
Aerial Photographs and Satellite Imagery[1] (1939, 1940, 1948, 1950, 1956, 1966, 1968, 1974, 1979, 1982, 1993, 1998, 2000, 2002 – 2014)	Early photographs show the site as an orchard until the 1982 photograph, at which time the orchard has been converted to open field. The current residence first appears in the 1966 photograph. The current garage and an additional structure that is no longer present at the site first appear in the 1974 photograph. No concerns are noted.
Topographic Maps (1899, 1953, 1961, 1968, 1973, 1980)	Development is first depicted in the vicinity of the site in 1961. No concerns are noted.
City Directory Abstracts (1985, 1991, 1996, 2000, 2006)	The occupant of 1005 North Park Victoria Drive is listed as John Robinson in 1985, Courtesy Fence in 1991, Larry Muller in 1996 and 2000, and vacant in 2006.

[1] In addition to aerial photographs provided by EDR, Ramboll viewed historical satellite imagery provided via Google Earth. Printed copies were not obtained, and imagery dates were not independently verified.

EDR reported that Sanborn fire insurance coverage is not available for the site.

4.2.2 Past Uses of Adjacent Sites

The adjacent properties were used for agricultural purposes, including orchards, dating back to at least 1939. Based on a review of aerial photographs, residential development first appears adjacent to west of the site in 1979. In the 1993 aerial photograph, residential development is present to the south and east of the site.

4.3 Review of Local and State Agency Information

Ramboll visited or otherwise contacted local governmental agencies and regulatory bodies for information relating to the site. An overview of the findings of this review is presented in Table D.

Table D: Local Agency Information for the Site

Agency Contacted / Document Reviewed	Information Obtained
Santa Clara County Tax Assessor	Documents reviewed online using the Santa Clara County Tax Assessor's website included assessment roll information and a tax map. The map indicates that the APN for the site is 029-04-040.

Table D: Local Agency Information for the Site

Agency Contacted / Document Reviewed	Information Obtained
City of Milpitas Fire Prevention	Ramboll attempted to review available public records maintained in an online database by the City of Milpitas Fire Prevention. No files were available for the site.
City of Milpitas Building Department	Ramboll reviewed one available file through the City of Milpitas Building Department online database related to the removal of an on-site structure in 2008 that had been destroyed by a fire.
Santa Clara County Department of Environmental Health (SCCDEH)	Ramboll requested records from SCCDEH for information regarding soil or groundwater investigations, USTs, LUSTs, hazardous materials inspections, or violations/permits for the property. Ramboll was informed that no records were found for the site. Ramboll also searched SCCDEH's online database of LUST, solvent release, and cleanup cases. The database contained no records for the site.
Santa Clara Valley Water District (SCVWD)	Ramboll requested records from the Santa Clara Valley Water District and was referred to the SCVWD online database of solvent files prior to 2004, at which time local agency oversight was transferred to the Department of Environmental Health. No records related to the site address were found on the online database.

4.3.1 Interviews with Site Owner and Site Personnel

As part of the 2015 Phase I report, Ramboll conducted an extensive interview with Ciema Salem, the daughter of the owner of the site, Hooshang Salem. Mr. Salem has owned the site since approximately 1978, although he has never lived at the site. At the time the site was purchased, the field was planted with an apricot orchard. Agricultural operations ceased upon Mr. Salem's purchase of the site and the residence was subsequently rented by various tenants and used for residential purposes until approximately 1995. From approximately 1995 to the present, the site has remained vacant and has been the subject of multiple vandalism events including graffiti and fires. Due to repeated events of vandalism, the windows and doors of the residence and garage at the site are currently boarded to prevent further vandalism. Follow-up email interviews were conducted with Ms. Salem on January 15, 2017, June 26, 2017, and January 5, 2018. Ms. Salem indicated that no changes had been made to the site or site uses since the 2015 Phase I report.

4.4 Environmental Lien Record Search

A review of the EDR Environmental Lien Search Report dated December 27, 2017, was performed to identify environmental liens or activity use limitations (AULs) imposed by judicial authorities with respect to the property. No environmental liens or AULs were found.

4.5 Previous Environmental Assessments and Activities

Ramboll conducted a Phase I ESA and surface soil investigation at the site in 2015. Shallow soil samples were collected from eight locations across the site to identify potential impacts from former agricultural operations or other historical site uses. Samples were analyzed for metals, pesticides, PCBs, and/or petroleum hydrocarbons. All concentrations were less than residential screening levels with the exception of one sample that reported a concentration of the pesticide dichlorodiphenylethylene (p,p-DDE) slightly above the residential screening level. The low

concentration and localized presence of p,p-DDE at location SB04 is not a concern for the site. The 2015 Phase I report is attached as Appendix D.

4.6 User-Provided Information

Ramboll provided Robson Homes with a User Questionnaire (consistent with Appendix X3 of the ASTM Standard) that requested information relating to environmental liens, AULs, specialized knowledge of the property, property value diminution, chain-of-title, or any other commonly known or obvious indications of site contamination, that was not otherwise provided to Ramboll. Pertinent responses, if any, are discussed in the appropriate sections of this report.

5 Site Reconnaissance

5.1 Methodology and Limiting Conditions

Jason Kane of Ramboll conducted site reconnaissance visits on January 13, 2017, July 12, 2017, and January 4, 2018. During the site visits, observations of the site were made to evaluate if any RECs, as defined in Chapter 2, are present. As discussed in Section 4.2.1, Robson Homes hired a subcontractor to securely board all exterior openings on the house and garage at the site following Ramboll's 2015 Phase I report in August 2015. During Ramboll's subsequent site visits, the boarded openings were observed to be untampered with indicating the interiors of the site buildings had not been entered since the buildings were secured in 2015. As a result, Ramboll did not enter the house or garage at the site during the January 2017, July 2017, or January 2018 site visits. The information provided in Table E regarding the interior portions of the site building was collected during the site visits conducted by Ramboll in 2015.

5.2 General Site Setting and Observations

Ramboll made observations during the site visit concerning all of the interior and exterior issues specified in Sections 9.4.2 through 9.4.4 of the ASTM E1527-13 Standard. The presence or absence of each issue of environmental interest or concern is noted in Table E. Only those areas of environmental interest or concern that were observed at the site are discussed further in the text below.

Table E: Summary of Site Reconnaissance Observations

Issue	ASTM Section	Observation
Interior and Exterior Issues		
Current use(s) of the property	9.4.2.1	See Section 3.2
Past use(s) of the property	9.4.2.2	See Section 3.2 and 4.2
Hazardous substances and petroleum products used, treated, stored, disposed of, or generated on the property in connection with identified present or past uses	9.4.2.3	**Historically Present** (see Section 5.2.1)
Storage tanks: Underground storage tanks (fill ports, vent pipes, manholes) Aboveground storage tanks (ASTs)	9.4.2.4	**Present** (see Section 5.2.2)
Odors (strong, pungent or noxious)	9.4.2.5	Absent
Pools of liquid, standing surface water or sumps	9.4.2.6	Absent
Drums of hazardous substances or petroleum products (for example, five-gallon, 55-gallon or totes)	9.4.2.7	Absent
Hazardous substance and petroleum product containers (not necessarily in connection with identified uses)	9.4.2.8	Absent
Unidentified substance containers suspected of containing hazardous substances or petroleum products	9.4.2.9	Absent

Table E: Summary of Site Reconnaissance Observations

Issue	ASTM Section	Observation
Polychlorinated biphenyls (PCBs) Electrical equipment on-site (e.g., transformers, capacitors) Electrical equipment known or likely to contain PCBs Hydraulic equipment on-site (e.g., elevators, truck dock lifts) Hydraulic equipment known or likely to contain PCBs	9.4.2.10	Absent
Interior Issues		
Heating/cooling systems	9.4.3.1	Absent
Stains or corrosion on interior floors, walls or ceilings (except for staining from water)	9.4.3.2	Absent
Floor drains and interior sumps	9.4.3.3	Absent
Exterior Issues		
Pits, ponds or lagoons on property or adjacent sites	9.4.4.1	Absent
Stained soil or pavement	9.4.4.2	Absent
Stressed vegetation (from other than insufficient water)	9.4.4.3	Absent
On-site solid waste disposal; areas apparently filled or graded by non-natural causes; or mounds or depressions suggesting solid waste disposal	9.4.4.4	Absent
Wastewater or other liquid (including storm water) or any discharge into a drain, ditch, underground injection system or stream on or adjacent to the property	9.4.4.5	Absent
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells)	9.4.4.6	Absent
Septic systems or cesspools	9.4.4.7	**Potentially Present** (see Section 5.2.3)

Notes:
Observations noted in this table and discussed further below are based on information obtained during the site visits and from a review of the sources summarized in Chapter 4.
See the ASTM Standard for a detailed description of the issues included in each referenced ASTM section.
Per the ASTM Standard, fluorescent light ballasts likely to contain PCBs do not need to be noted.

5.2.1 Hazardous Substances and Petroleum Products

From at least 1939 until the site was purchased by the current site owner in 1978, the site was used for agricultural purposes including as an apricot orchard. Pesticides may have been used during the period of agricultural use at the site. Surface soil sampling was conducted at the site to identify impacts from potential pesticide use at the site, as discussed in Section 4.5 of this report and further detailed in the 2015 Phase I report included as Appendix D.

5.2.2 Aboveground Storage Tank

An abandoned aboveground storage tank is located on the eastern portion of the site. The metal tank is approximately 400 gallons in volume and appears to be a former hot water storage tank. Site personnel did not report knowing of the use or origin of the tank. No staining or indication of a release was observed in the vicinity of the tank. Shallow soil sampling was conducted in 2015 in the immediate vicinity of the tank, the results of which did not identify any concerns. The abandoned tank is not considered to be a concern for the site.

5.2.3 Septic Tank

Site personnel reported an underground wooden septic tank formerly used by the site may be located in the vicinity of the house. The exact location of the septic tank is not known. The wooden underground septic tank is not considered to be a concern for the site.

6 Findings, Opinion, and Conclusions

Ramboll has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13 at the property located at 1005 North Park Victoria Drive in Milpitas, California. Any exceptions to, or deletions from, this practice are described in Section 6.3.

6.1 Findings and Opinion

6.1.1 Recognized Environmental Conditions

Ramboll did not identify any "recognized environmental condition[s]" (REC[s]), as defined by ASTM (see Chapter 2.0), in connection with unrestricted residential use of the property. No further investigation of the site is warranted at this time.

6.1.2 Other Findings

Ramboll identified the following additional finding that is not considered RECs based on available information:

- **Former Agricultural Use.** Between at least 1939 and the purchase of the site by the current site owner in 1978, the site was used for agricultural purposes including as an apricot orchard. Pesticides may have been used during the period of agricultural use at the site. Shallow soil sampling was conducted by Ramboll at the site in 2015 to identify impacts from potential pesticide use. All concentrations of pesticides and metals were less than residential screening levels with the exception of one sample that reported a concentration of the pesticide p,p-DDE slightly above the residential screening level. The low concentration and localized presence of p,p-DDE at one sampling location is not a concern for the site.

6.1.3 *De Minimis* Conditions

De minimis conditions are those that do not represent a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies. Ramboll did not identify any *de minimis* conditions during the course of this assessment.

6.2 Conclusions

Ramboll has performed this Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13, of the property located at 1005 North Park Victoria Drive in Milpitas, California. Any exceptions to, or deletions from, this practice are described in Section 6.3 of this report. This assessment has revealed evidence of no recognized environmental conditions at the site.

6.3 Analysis of Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the

ESA report identify and comment on significant data gaps. Limiting conditions and deviations to the ASTM Standard for the assessment are discussed below.

- Due to the extended age of the site, it was not possible to interview representatives who have detailed knowledge of the agricultural operations at the site prior to 1978 when the site was purchased by the current owner.
- Following Ramboll's 2015 Phase I report in August 2015, Robson Homes hired a subcontractor to securely board all exterior openings on the house and garage at the site. During Ramboll's January and July 2017 site visits, the boarded openings were observed to be untampered with since the site buildings were secured in 2015. As a result of this observation, Ramboll did not enter the house or garage at the site during the January 2017, July 2017, and January 2018 site visits because it is assumed that no one has entered the site buildings since they were secured in 2015.

None of the exceptions, deletions, deviations, or site reconnaissance limitations noted above are considered to represent significant data gaps.

7 References

7.1 Documents

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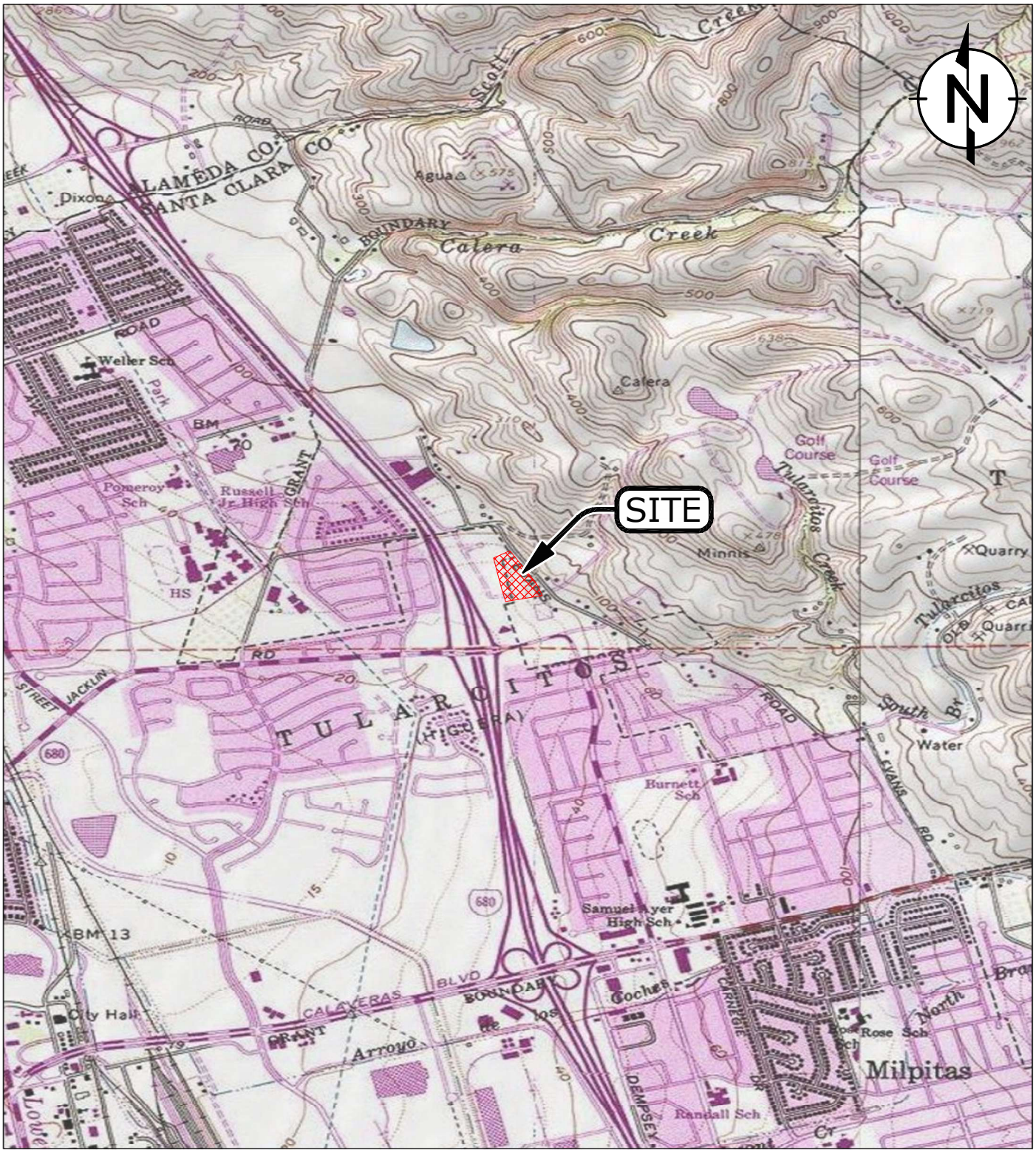
Figures



LEGEND:

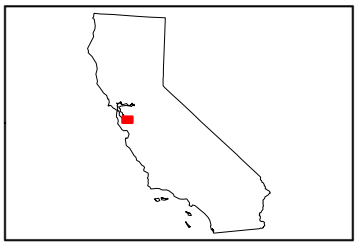
PROPERTY BOUNDARY

0 0.5 1
SCALE IN MILES

0 2,000 4,000 6,000
SCALE IN FEET

NOTES:
CONTOUR INTERVAL 20 FEET

SOURCE: USGS TNM - National Structures Dataset; USGS TNM - National Transportation Dataset; TomTom Commercial Roads; U.S. Census Bureau - TIGER/Line; USGS TNM - National Boundaries Dataset; USGS TNM - Geographic Names Information System; USGS TNM - National Hydrography Dataset



QUADRANGLE KEY MAP

RAMBOLL

DRAFTED BY: RS

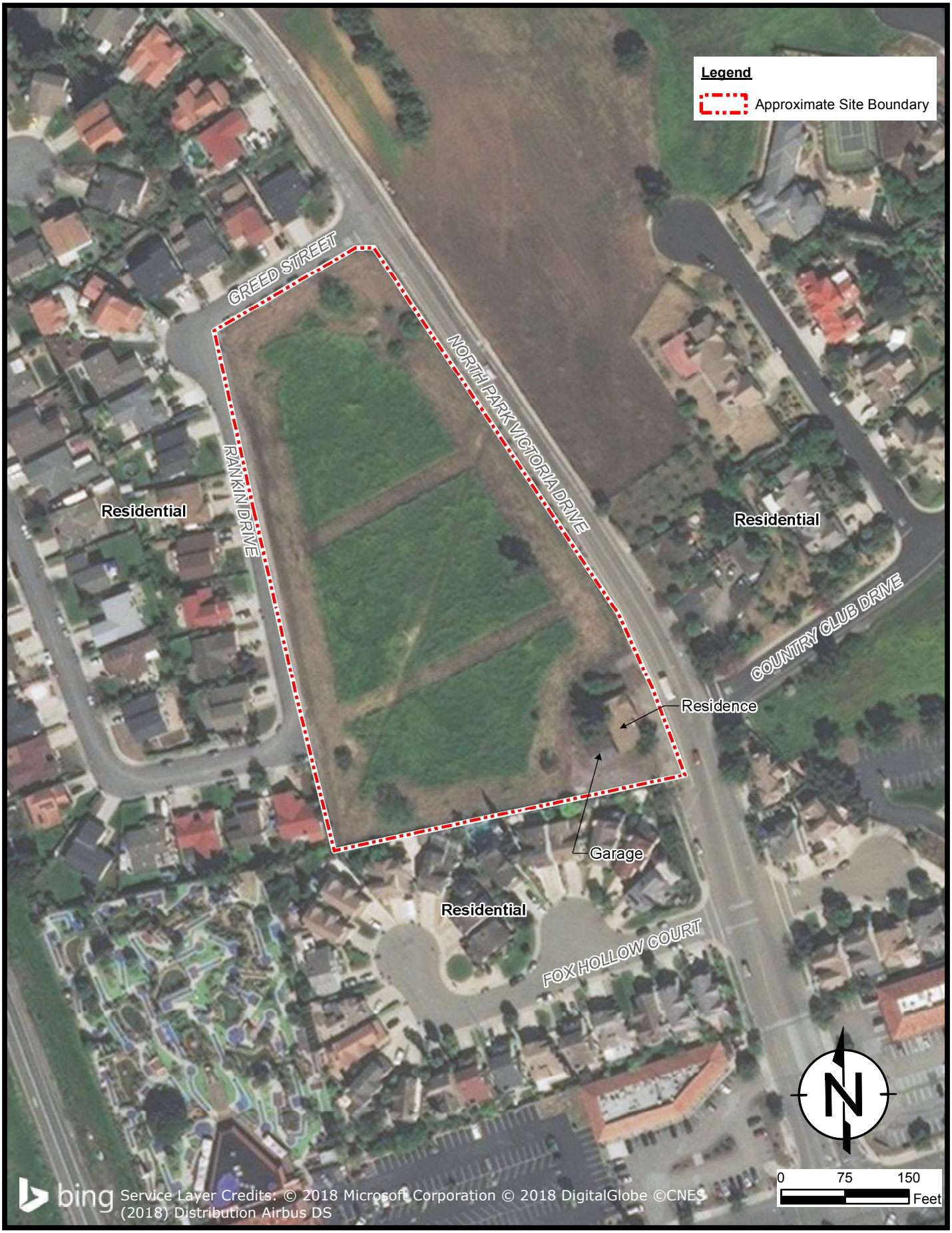
DATE: 1/11/2018

Site Layout
1005 North Park Victoria Drive
Milpitas, California

FIGURE
631

PROJECT: 1690001783

Q:\DRAWINGS\1690001783\1690001783-locmap.mxd



RAMBOLL

DRAFTED BY: RS

DATE: 1/11/2018

Site Layout
1005 North Park Victoria Drive
Milpitas, California

FIGURE

632

03-21676DD

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Appendix A

Site Photographs

Photo 1: View of front of house from North Park Victoria Drive.

Photo 2: View of on-site garage (left) and house (right) from southeast corner of site.

Photo 3: View of living room inside on-site house. Photo taken July 2015.

Photo 4: View inside of on-site garage. Photo taken July 2015.

Photo 5: View looking east from area adjacent to the north of on-site house.

Photo 6: View looking north from area adjacent to the north of on-site house.

Photo 7: View of site looking southeast from the northwestern corner of the site. Soil piles and parked trucks are associated with the June 2015 geotechnical investigation performed at the site (see Photo 10). Photo taken in June 2015.

Photo 8: View of typical fence post uncovered during potholing of magnetic anomalies. Photo taken in June 2015.

Photo 9: Abandoned aboveground storage tank that may have formerly been used for hot water storage. Tank located on east-central portion of the site. Photo taken in June 2015.

Photo 10: View of trench excavated by Geo-Logic Associates on behalf of Robson Homes for Alquist Priolo Special Studies Zone Investigation for the site. Photo taken in June 2015.

Appendix B

Environmental Database Report

Because the environmental databases themselves are sometimes not updated by the specific regulatory agencies for a period of up to one year or more (depending on the database and the agency), the database search conducted herein will not necessarily list any facility or site recently identified as having, or which is suspected of having, environmental problems and/or for which an environmental investigation/ listing has been initiated, or reflect the current status of activities at a particular site, subsequent to the last update of a given list. In addition, the EDR database search contained a number of unmapped sites. It was beyond the scope of this review to locate each of the unmapped sites.

SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Inquiry Number: 05144783.2r
December 26, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

FORM-LBE-GON

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1005 NORTH PARK VICTORIA
MILPITAS, CA 95035

COORDINATES

Latitude (North):	37.4498040 - 37˚ 26' 59.29''
Longitude (West):	121.8892700 - 121˚ 53' 21.37''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	598247.2
UTM Y (Meters):	4145147.2
Elevation:	36 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640070 MILPITAS, CA
Version Date:	2012
East Map:	5640636 CALAVERAS RESERVOIR, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1005 NORTH PARK VICTORIA
MILPITAS, CA 95035

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FOX HOLLOW	1197 FOX HOLLOW CT	LUST, HIST LUST, HIST CORTESE	Higher	111, 0.021, SE
A2	FOX HOLLOW - PARK VI	PARK VICTORIA & FOX	SLIC	Higher	169, 0.032, SE
B3	TULARCITOS GOLF & CO	1200 COUNTRY CLUB DR	HIST UST	Higher	341, 0.065, East
B4	TULACITOS GOLF COURS	1200 COUNTRY CLUB DR	Notify 65	Higher	341, 0.065, East
B5	TULARCITOS GOLF AND	1200 COUNTRY CLUB DR	HIST UST, CA FID UST	Higher	341, 0.065, East
C6	CONCEPCION FAMILY DE	1303 JACKLIN RD	CUPA Listings	Higher	485, 0.092, SE
D7	SAVING CLEANERS	1241 JACKLIN RD	CUPA Listings, DRYCLEANERS	Higher	494, 0.094, SSE
D8	MICHAEL'S CLEANERS	1241 JACKLIN RD	RCRA-SQG, FINDS, ECHO	Higher	494, 0.094, SSE
D9	ELITE CLEANERS	1241 JACKLIN RD	EDR Hist Cleaner	Higher	494, 0.094, SSE
D10	MICHAELS CLEANERS	1209 JACKLIN RD	EDR Hist Cleaner	Lower	544, 0.103, SSE
C11	MICHAELS CLEANERS	1309 JACKLIN RD	EDR Hist Cleaner	Higher	577, 0.109, SE
C12	MICHAELS CLEANERS	1309 JACKLIN ROAD	FINDS, CUPA Listings, DRYCLEANERS, EMI	Higher	577, 0.109, SE
C13	JACKLIN CLEANER ALTE	1351 JACKLIN RD	EDR Hist Cleaner	Higher	683, 0.129, SE
E14	SHELL	990 JACKLIN RD	LUST, SLIC, HIST LUST, CUPA Listings	Lower	1201, 0.227, SW
E15	SHELL SERVICE STATIO	990 JACKLIN	RCRA-SQG, LUST, SLIC, HIST UST, FINDS, ECHO,...	Lower	1201, 0.227, SW
E16	JANS SHELL	990 JACKLIN RD	SWEEPS UST, CA FID UST	Lower	1201, 0.227, SW
E17	SHELL OIL - JACKLIN	990 JACKLIN RD	UST	Lower	1201, 0.227, SW
E18	JAN'S SHELL WERNER &	990 JACKLIN RD	HIST UST	Lower	1228, 0.233, SW
E19	MILPITAS SHELL & CAR	990 JACKLIN RD	EDR Hist Auto	Lower	1228, 0.233, SW
20	CENTRE POINTE DR	APN 086-33-102 AND -	ENVIROSTOR, SCH	Lower	4632, 0.877, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

EXECUTIVE SUMMARY

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs

Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing

EXECUTIVE SUMMARY

ECHO ..... Enforcement & Compliance History Information
FUELS PROGRAM ..... EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ..... Bond Expenditure Plan
Cortese ..... "Cortese" Hazardous Waste & Substances Sites List
EMI ..... Emissions Inventory Data
ENF ..... Enforcement Action Listing
Financial Assurance ..... Financial Assurance Information Listing
HAZNET ..... Facility and Manifest Data
ICE ..... ICE
HWP ..... EnviroStor Permitted Facilities Listing
HWT ..... Registered Hazardous Waste Transporter Database
MINES ..... Mines Site Location Listing
MWMP ..... Medical Waste Management Program Listing
NPDES ..... NPDES Permits Listing
PEST LIC ..... Pesticide Regulation Licenses Listing
PROC ..... Certified Processors Database
SAN JOSE HAZMAT ..... Hazardous Material Facilities
UIC ..... UIC Listing
WASTEWATER PITS ..... Oil Wastewater Pits Listing
WDS ..... Waste Discharge System
WIP ..... Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ..... Recovered Government Archive Solid Waste Facilities List
RGA LUST ..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MICHAEL'S CLEANERS	***1241 JACKLIN RD***	***SSE 0 - 1/8 (0.094 mi.)***	***D8***	***13***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL SERVICE STATIO	***990 JACKLIN***	***SW 1/8 - 1/4 (0.227 mi.)***	***E15***	***23***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/30/2017 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CENTRE POINTE DR Facility Id: 60001989 Status: Inactive - Withdrawn	***APN 086-33-102 AND -***	***SSW 1/2 - 1 (0.877 mi.)***	***20***	***35***

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within

approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FOX HOLLOW	***1197 FOX HOLLOW CT***	***SE 0 - 1/8 (0.021 mi.)***	***A1***	***8***

Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 09/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Date Closed: 05/29/1991
Global Id: T0608500641
SCVWD ID: 05S1E32P01F
date9: 5/29/1991

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL	***990 JACKLIN RD***	***SW 1/8 - 1/4 (0.227 mi.)***	***E14***	***22***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Status: Pollution Characterization

SHELL SERVICE STATIO	***990 JACKLIN***	***SW 1/8 - 1/4 (0.227 mi.)***	***E15***	***23***

Database: LUST SANTA CLARA, Date of Government Version: 03/03/2014
Database: LUST, Date of Government Version: 09/11/2017
Status: Completed - Case Closed
Date Closed: 01/06/2011
Global Id: T0608565949
SCVWD ID: 06S1E05D01F

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there are 3 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FOX HOLLOW - PARK VI	PARK VICTORIA & FOX	SE 0 - 1/8 (0.032 mi.)	A2	10

Database: SLIC, Date of Government Version: 09/11/2017
Facility Status: Open - Inactive
Global Id: T10000008074

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL	***990 JACKLIN RD***	***SW 1/8 - 1/4 (0.227 mi.)***	***E14***	***22***

Database: SLIC REG 2, Date of Government Version: 09/30/2004
Facility Id: 43-1932

SHELL SERVICE STATIO	***990 JACKLIN***	***SW 1/8 - 1/4 (0.227 mi.)***	***E15***	***23***

Database: SLIC, Date of Government Version: 09/11/2017
Facility Status: Completed - Case Closed
Global Id: T0608591760

HIST LUST: A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

A review of the HIST LUST list, as provided by EDR, and dated 03/29/2005 has revealed that there are 2 HIST LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FOX HOLLOW	***1197 FOX HOLLOW CT***	***SE 0 - 1/8 (0.021 mi.)***	***A1***	***8***
SCVWD ID: 05S1E32P01				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL	***990 JACKLIN RD***	***SW 1/8 - 1/4 (0.227 mi.)***	***E14***	***22***
SCVWD ID: 06S1E05D01				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL OIL - JACKLIN	990 JACKLIN RD	SW 1/8 - 1/4 (0.227 mi.)	E17	33
Database: UST, Date of Government Version: 09/11/2017				
Facility Id: 43-011-032441-0				
Facility Id: 43-011-840209				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JANS SHELL	***990 JACKLIN RD***	***SW 1/8 - 1/4 (0.227 mi.)***	***E16***	***32***
Status: A				
Tank Status: A				
Comp Number: 32441				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TULARCITOS GOLF & CO Facility Id: 00000049717	1200 COUNTRY CLUB DR	E 0 - 1/8 (0.065 mi.)	B3	10
TULARCITOS GOLF AND	***1200 COUNTRY CLUB DR***	***E 0 - 1/8 (0.065 mi.)***	***B5***	***11***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL SERVICE STATIO	***990 JACKLIN***	***SW 1/8 - 1/4 (0.227 mi.)***	***E15***	***23***
JAN'S SHELL WERNER & Facility Id: 00000032441	990 JACKLIN RD	SW 1/8 - 1/4 (0.233 mi.)	E18	33

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TULARCITOS GOLF AND Facility Id: 43001476 Status: A	***1200 COUNTRY CLUB DR***	***E 0 - 1/8 (0.065 mi.)***	***B5***	***11***

Lower Elevation	Address	Direction / Distance	Map ID	Page
JANS SHELL Facility Id: 43012292 Status: A	***990 JACKLIN RD***	***SW 1/8 - 1/4 (0.227 mi.)***	***E16***	***32***

Other Ascertainable Records

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 4 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONCEPCION FAMILY DE Database: CUPA SANTA CLARA, Date of Government Version: 08/07/2017	1303 JACKLIN RD	SE 0 - 1/8 (0.092 mi.)	C6	12
SAVING CLEANERS Database: CUPA SANTA CLARA, Date of Government Version: 08/07/2017	***1241 JACKLIN RD***	***SSE 0 - 1/8 (0.094 mi.)***	***D7***	***12***
MICHAELS CLEANERS Database: CUPA SANTA CLARA, Date of Government Version: 08/07/2017	***1309 JACKLIN ROAD***	***SE 0 - 1/8 (0.109 mi.)***	***C12***	***16***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL Database: CUPA SANTA CLARA, Date of Government Version: 08/07/2017	***990 JACKLIN RD***	***SW 1/8 - 1/4 (0.227 mi.)***	***E14***	***22***

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 08/02/2017 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAVING CLEANERS EPA Id: CAL000310521	***1241 JACKLIN RD***	***SSE 0 - 1/8 (0.094 mi.)***	***D7***	***12***
MICHAELS CLEANERS EPA Id: CAL000160057	***1309 JACKLIN ROAD***	***SE 0 - 1/8 (0.109 mi.)***	***C12***	***16***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FOX HOLLOW Reg Id: 43-0605	***1197 FOX HOLLOW CT***	***SE 0 - 1/8 (0.021 mi.)***	***A1***	***8***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 06/16/2017 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TULACITOS GOLF COURS	1200 COUNTRY CLUB DR	E 0 - 1/8 (0.065 mi.)	B4	11

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto

site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MILPITAS SHELL & CAR	990 JACKLIN RD	SW 1/8 - 1/4 (0.233 mi.)	E19	34

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 4 EDR Hist Cleaner sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELITE CLEANERS	1241 JACKLIN RD	SSE 0 - 1/8 (0.094 mi.)	D9	15
MICHAELS CLEANERS	1309 JACKLIN RD	SE 0 - 1/8 (0.109 mi.)	C11	16
JACKLIN CLEANER ALTE	1351 JACKLIN RD	SE 1/8 - 1/4 (0.129 mi.)	C13	22

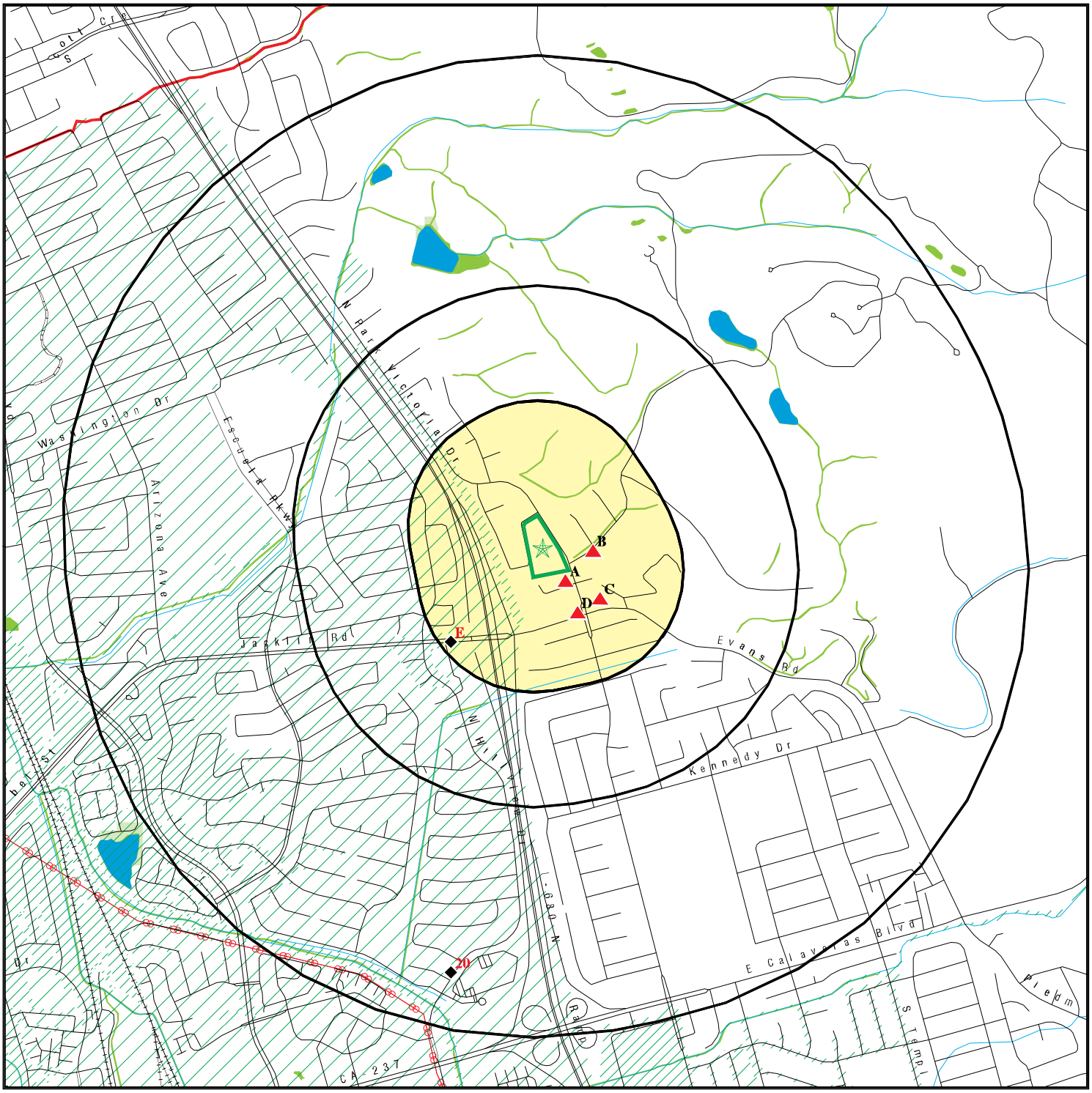
Lower Elevation	Address	Direction / Distance	Map ID	Page
MICHAELS CLEANERS	1209 JACKLIN RD	SSE 0 - 1/8 (0.103 mi.)	D10	15

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
FOX HOLLOW PARK VICTORIA SITE	SPILLS 90

OVERVIEW MAP - 05144783.2R



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas CA 95035 LAT/LONG: 37.449804 / 121.88927	CLIENT: Ramboll Environ CONTACT: Jason Kane INQUIRY #: 05144783.2r DATE: December 26, 2017 9:56 am

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DETAIL MAP - 05144783.2R

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	SCDC Park Victoria	CLIENT:	Ramboll Environ
ADDRESS:	1005 North Park Victoria Milpitas CA 95035	CONTACT:	Jason Kane
		INQUIRY #:	05144783.2r
LAT/LONG:	37.449804 / 121.88927	DATE:	December 26, 2017 9:58 am

656

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	2	0	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		1	2	0	NR	NR	3
HIST LUST	0.500		1	1	0	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		2	2	NR	NR	NR	4
CA FID UST	0.250		1	1	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		3	1	NR	NR	NR	4
DRYCLEANERS	0.250		2	0	NR	NR	NR	2
EMI	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	0	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		1	0	0	0	NR	1
SAN JOSE HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		0	1	NR	NR	NR	1
EDR Hist Cleaner	0.250		3	1	NR	NR	NR	4
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	17	14	0	1	0	32

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 SE < 1/8 0.021 mi. 111 ft. | **FOX HOLLOW 1197 FOX HOLLOW CT MILPITAS, CA 95035** | **LUST, HIST LUST, HIST CORTESE** | **S102430420, N/A**

Site 1 of 2 in cluster A

Relative: Higher

Actual: 41 ft.

LUST:

Lead Agency:	SANTA CLARA COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608500641
Global Id:	T0608500641
Latitude:	37.4485432689042
Longitude:	-121.887495517731
Status:	Completed - Case Closed
Status Date:	05/29/1991
Case Worker:	UST
RB Case Number:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0608500641
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608500641
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	SANTA CLARA COUNTY LOP
Address:	1555 Berger Drive, Suite 300
City:	SAN JOSE
Email:	Not reported
Phone Number:	4089183400

LUST:

Global Id:	T0608500641
Action Type:	Other
Date:	06/07/1989
Action:	Leak Reported

Global Id:	T0608500641
Action Type:	ENFORCEMENT
Date:	05/29/1991
Action:	Closure/No Further Action Letter

Global Id:	T0608500641
Action Type:	ENFORCEMENT
Date:	04/02/1990
Action:	Notice of Responsibility - #39177

FOX HOLLOW (Continued) **S102430420**

Global Id: T0608500641
Action Type: RESPONSE
Date: 06/27/1989
Action: Other Report / Document

LUST:
Global Id: T0608500641
Status: Completed - Case Closed
Status Date: 05/29/1991

Global Id: T0608500641
Status: Open - Case Begin Date
Status Date: 06/07/1989

Global Id: T0608500641
Status: Open - Site Assessment
Status Date: 06/07/1989

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 05S1E32P01f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 6/7/1989
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 05S1E32P01F
Date Closed: 05/29/1991
EDR Link ID: 05S1E32P01F

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 05S1E32P01
Oversite Agency: SCVWD
Date Listed: 1990-01-01 00:00:00
Closed Date: 1991-05-29 00:00:00

HIST CORTESE:
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-0605

A2 SE < 1/8 0.032 mi. 169 ft. | **FOX HOLLOW - PARK VICTORIA SITE** | **SLIC** | **S118406216**
PARK VICTORIA & FOX HOLLOW | **N/A**
MILPITAS, CA 95035

Site 2 of 2 in cluster A

Relative: Higher

Actual: 43 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	06/14/2016
Global Id:	T10000008074
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.44871
Longitude:	-121.88805
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	43S0652
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Other Insecticides / Pesticide / Fumigants / Herbicides, Arsenic, Copper, Lead, Mercury (elemental)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

B3 East < 1/8 0.065 mi. 341 ft. | **TULARCITOS GOLF & COUNTRY CLUB** | **HIST UST** | **U001603139**
1200 COUNTRY CLUB DR | **N/A**
MILPITAS, CA 95135

Site 1 of 3 in cluster B

Relative: Higher

Actual: 87 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000049717
Facility Type:	Other
Other Type:	GOLF COURSE
Contact Name:	Not reported
Telephone:	4082941594
Owner Name:	ROBERT H. JONES & ASSOCIATES
Owner Address:	64 BARNARD AVE.
Owner City,St,Zip:	SAN JOSE, CA 95112
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1978
Tank Capacity:	00002000

TULARCITOS GOLF & COUNTRY CLUB (Continued) **U001603139**

Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	1978
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

B4 **TULACITOS GOLF COURSE** **Notify 65** **U000061259**
East **1200 COUNTRY CLUB DRIVE** **N/A**
< 1/8 **MILPITAS, CA 93064**
0.065 mi.
341 ft. **Site 2 of 3 in cluster B**

Relative:
Higher

Actual:
87 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

B5 **TULARCITOS GOLF AND COUNTRY CLUB** **HIST UST** **S101625439**
East **1200 COUNTRY CLUB DRIVE** **CA FID UST** **N/A**
< 1/8 **MILPITAS, CA 95135**
0.065 mi.
341 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
87 ft.

HIST UST:

File Number:	000207D5
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000207D5.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported

TULARCITOS GOLF AND COUNTRY CLUB (Continued) **S101625439**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	43001476
Regulated By:	UTNKA
Regulated ID:	00049717
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4082941594
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	MILPITAS 95135
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

C6
SE
< 1/8
0.092 mi.
485 ft.

CONCEPCION FAMILY DENTAL **CUPA Listings** **S103971448**
1303 JACKLIN RD **N/A**
MILPITAS, CA 95035

Site 1 of 4 in cluster C

Relative:
Higher

Actual:
43 ft.

CUPA SANTA CLARA:

Region:	SANTA CLARA
PE#:	2240
Program Description:	GENERATES < 10 GAL/YR
Latitude:	37.447867
Longitude:	-121.887519
Record ID:	PR0379833
Facility ID:	FA0259111

D7
SSE
< 1/8
0.094 mi.
494 ft.

SAVING CLEANERS **CUPA Listings** **S106166567**
1241 JACKLIN RD **DRYCLEANERS** **N/A**
MILPITAS, CA 95035

Site 1 of 4 in cluster D

Relative:
Higher

Actual:
36 ft.

CUPA SANTA CLARA:

Region:	SANTA CLARA
PE#:	2202
Program Description:	GENERATES < 100 KG/YR
Latitude:	37.447640
Longitude:	-121.888603
Record ID:	PR0367735
Facility ID:	FA0252047

DRYCLEANERS:

EPA Id:	CAL000310521

SAVING CLEANERS (Continued) **S106166567**

NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	08/16/2006
Facility Active:	No
Inactive Date:	06/30/2007
Facility Addr2:	Not reported
Owner Name:	VINCE BUI
Owner Address:	1241 JACKLIN RD
Owner Address 2:	Not reported
Owner Telephone:	4083560117
Contact Name:	VINCE BUI
Contact Address:	1241 JACKLIN RD
Contact Address 2:	Not reported
Contact Telephone:	4083560117
Mailing Name:	Not reported
Mailing Address 1:	1241 JACKLIN RD
Mailing Address 2:	Not reported
Mailing City:	MILPITAS
Mailing State:	CA
Mailing Zip:	950350000
Owner Fax:	Not reported
Region Code:	2

D8 **MICHAEL'S CLEANERS** **RCRA-SQG** **1000239102**
SSE **1241 JACKLIN RD** **FINDS** **CAD981163546**
< 1/8 **MILPITAS, CA 95035** **ECHO**
0.094 mi.
494 ft. **Site 2 of 4 in cluster D**

Relative:
Higher

Actual:
36 ft.

RCRA-SQG:

Date form received by agency:	11/14/1985
Facility name:	MICHAEL'S CLEANERS
Facility address:	1241 JACKLIN RD MILPITAS, CA 95035
EPA ID:	CAD981163546
Contact:	MICHAEL WILLYOUNG
Contact address:	1241 JACKLIN RD MILPITAS, CA 95035
Contact country:	US
Contact telephone:	408-263-7775
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MICHAEL N WILLYOUNG
Owner/operator address:	1241 JACKLIN RD MILPITAS, CA 92035
Owner/operator country:	Not reported
Owner/operator telephone:	408-263-7775

MICHAEL'S CLEANERS (Continued) **1000239102**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110013820650

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

MICHAEL'S CLEANERS (Continued) **1000239102**

ECHO:
Envid: 1000239102
Registry ID: 110013820650
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110013820650

D9
SSE
< 1/8
0.094 mi.
494 ft.

ELITE CLEANERS **EDR Hist Cleaner** **1019981192**
1241 JACKLIN RD **N/A**
MILPITAS, CA 95035

Site 3 of 4 in cluster D

Relative:
Higher

Actual:
36 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1992	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
1993	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
1994	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
1995	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2001	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2001	WEBSQUIRE	Drycleaning Plants, Except Rugs
2002	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2002	WEBSQUIRE	Drycleaning Plants, Except Rugs
2003	WEBSQUIRE	Drycleaning Plants, Except Rugs
2003	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2004	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2005	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2006	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2007	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2008	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2009	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2010	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2011	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2012	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2013	ELITE CLEANERS	Drycleaning Plants, Except Rugs
2014	ELITE CLEANERS	Drycleaning Plants, Except Rugs

D10
SSE
< 1/8
0.103 mi.
544 ft.

MICHAELS CLEANERS **EDR Hist Cleaner** **1020040099**
1209 JACKLIN RD **N/A**
MILPITAS, CA 95035

Site 4 of 4 in cluster D

Relative:
Lower

Actual:
33 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1996	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
1997	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC

C11 SE < 1/8 0.109 mi. 577 ft. | **MICHAELS CLEANERS**
1309 JACKLIN RD
MILPITAS, CA 95035 | **EDR Hist Cleaner** | **1020040100**
N/A

Site 2 of 4 in cluster C

Relative: Higher

Actual: 43 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1998	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
1999	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2000	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2001	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2002	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2003	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2004	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2005	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2006	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2007	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2008	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2009	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2010	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2011	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2012	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2013	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC
2014	MICHAELS CLEANERS	Drycleaning Plants, Except Rugs, NEC

C12 SE < 1/8 0.109 mi. 577 ft. | **MICHAELS CLEANERS**
1309 JACKLIN ROAD
MILPITAS, CA 95035 | **FINDS**
CUPA Listings
DRYCLEANERS
EMI | **1005774981**
N/A

Site 3 of 4 in cluster C

Relative: Higher

Actual: 43 ft.

FINDS:

Registry ID: 110002410720

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CUPA SANTA CLARA:

Region:	SANTA CLARA
PE#:	2240
Program Description:	GENERATES < 10 GAL/YR
Latitude:	37.447953
Longitude:	-121.887434
Record ID:	PR0382575
Facility ID:	FA0260954

DRYCLEANERS:

EPA Id:	CAL000160057
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)

MICHAELS CLEANERS (Continued) **1005774981**

SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	01/29/1996
Facility Active:	No
Inactive Date:	06/30/2007
Facility Addr2:	Not reported
Owner Name:	LINDA NGUYEN
Owner Address:	1309 JACKLIN RD
Owner Address 2:	Not reported
Owner Telephone:	4082637775
Contact Name:	LINDA NGUYEN
Contact Address:	1309 JACKLIN RD
Contact Address 2:	Not reported
Contact Telephone:	4082637775
Mailing Name:	Not reported
Mailing Address 1:	1309 JACKLIN RD
Mailing Address 2:	Not reported
Mailing City:	MILPITAS
Mailing State:	CA
Mailing Zip:	950353426
Owner Fax:	Not reported
Region Code:	2

EMI:

Year:	1996
County Code:	43
Air Basin:	SF
Facility ID:	10748
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	43
Air Basin:	SF
Facility ID:	10748
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

MICHAELS CLEANERS (Continued) **1005774981**

Year:	1998
County Code:	43
Air Basin:	SF
Facility ID:	10748
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	43
Air Basin:	SF
Facility ID:	10748
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	43
Air Basin:	SF
Facility ID:	10748
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216

MICHAELS CLEANERS (Continued) **1005774981**

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.337
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

MICHAELS CLEANERS (Continued) **1005774981**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.85
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.85
Reactive Organic Gases Tons/Yr:	.59381
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008

MICHAELS CLEANERS (Continued) **1005774981**

County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.17
Reactive Organic Gases Tons/Yr:	.128
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.84999999999999998
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.1699999999999999
Reactive Organic Gases Tons/Yr:	0.72180999999999995
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	43
Air Basin:	SF
Facility ID:	13604
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD

MICHAELS CLEANERS (Continued) **1005774981**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.85
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

C13 **JACKLIN CLEANER ALTERATIONS** **EDR Hist Cleaner** **1018507171**
SE **1351 JACKLIN RD** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.129 mi.
683 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
48 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1988	JACKLIN CLEANER ALTERATIONS	Garment Pressing And Cleaners' Agents
1989	JACKLIN CLEANER ALTERATIONS	Laundry And Drycleaner Agents
1990	JACKLIN CLEANER ALTERATIONS	Laundry And Drycleaner Agents
1991	JACKLIN CLEANER ALTERATIONS	Laundry And Drycleaner Agents
1992	JACKLIN CLEANER ALTERATIONS	Laundry And Drycleaner Agents
1993	JACKLIN CLEANER ALTERATIONS	Laundry And Drycleaner Agents
1994	JACKLIN CLEANER ALTERATIONS	Laundry And Drycleaner Agents

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E14 **SHELL** **LUST** **S102436961**
SW **990 JACKLIN RD** **SLIC** **N/A**
1/8-1/4 **MILPITAS, CA 95035** **HIST LUST**
0.227 mi. **CUPA Listings**
1201 ft. **Site 1 of 6 in cluster E**

Relative:
Lower

Actual:
24 ft.

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Pollution Characterization
Case Number:	06S1E05D01f
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	7/18/2001
Pollution Characterization Began:	7/18/2001
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

SLIC REG 2:

Region:	2
Facility ID:	43-1932
Facility Status:	Case Closed
Date Closed:	9/15/1993
Local Case #:	43-1932

SHELL (Continued) **S102436961**

How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E05D01
Oversite Agency: SCCDEH
Date Listed: 2001-10-25 00:00:00
Closed Date: Not reported

CUPA SANTA CLARA:
Region: SANTA CLARA
PE#: 2202
Program Description: GENERATES < 100 KG/YR
Latitude: 37.446779
Longitude: -121.893564
Record ID: PR0417844
Facility ID: FA0700060

E15 **SHELL SERVICE STATION** **RCRA-SQG** **1004678102**
SW **990 JACKLIN** **LUST** **CAR000105106**
1/8-1/4 **MILPITAS, CA 95035** **SLIC**
0.227 mi. **HIST UST**
1201 ft. **Site 2 of 6 in cluster E** **FINDS**
ECHO
Relative: **HAZNET**
Lower

Actual:
24 ft.

RCRA-SQG:
Date form received by agency: 09/13/2001
Facility name: SHELL SERVICE STATION
Facility address: 990 JACKLIN
SAP 135594
MILPITAS, CA 95035
EPA ID: CAR000105106
Mailing address: P O BOX 2648
HOUSTON, TX 77252-2648
Contact: SONDRA BIENVENU
Contact address: P O BOX 2648
HOUSTON, TX 77252-2648
Contact country: US
Contact telephone: 713-241-5036
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

SHELL SERVICE STATION (Continued) **1004678102**

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EQUILON ENTERPRISES L L C
Owner/operator address:	P O BOX 2648 HOUSTON, TX 77252
Owner/operator country:	Not reported
Owner/operator telephone:	713-241-5036
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

LUST:

Lead Agency:	SANTA CLARA COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608565949
Global Id:	T0608565949
Latitude:	37.446519
Longitude:	-121.89265
Status:	Completed - Case Closed
Status Date:	01/06/2011
Case Worker:	Not reported
RB Case Number:	14-638
Local Agency:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	06S1E05D01f
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

SHELL SERVICE STATION (Continued) **1004678102**

Global Id: T0608565949
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0608565949
Action Type: ENFORCEMENT
Date: 10/30/2001
Action: Notice of Responsibility

Global Id: T0608565949
Action Type: RESPONSE
Date: 11/30/2004
Action: Other Report / Document

Global Id: T0608565949
Action Type: ENFORCEMENT
Date: 08/05/2004
Action: Staff Letter - #400258

Global Id: T0608565949
Action Type: RESPONSE
Date: 12/16/2002
Action: Correspondence

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/23/2003
Action: Correspondence

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/1990
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 08/03/1992
Action: Other Report / Document

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/02/1990
Action: Preliminary Site Assessment Report

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/2005
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE

SHELL SERVICE STATION (Continued) **1004678102**

Date: 10/18/2001
Action: Soil and Water Investigation Report

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/06/2011
Action: Other Report / Document

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/2010
Action: Correspondence

Global Id: T0608565949
Action Type: RESPONSE
Date: 11/06/2002
Action: Other Report / Document

Global Id: T0608565949
Action Type: RESPONSE
Date: 07/16/2010
Action: Well Destruction Report

Global Id: T0608565949
Action Type: RESPONSE
Date: 02/20/1992
Action: Other Report / Document

Global Id: T0608565949
Action Type: Other
Date: 01/02/1990
Action: Leak Reported

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/2006
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 09/10/2010
Action: Well Destruction Report

Global Id: T0608565949
Action Type: RESPONSE
Date: 11/28/2006
Action: Request for Closure

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/2003
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 11/30/2004
Action: Well Installation Report

SHELL SERVICE STATION (Continued) **1004678102**

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/1991
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/1992
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/2002
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 12/28/2001
Action: Unauthorized Release Form

Global Id: T0608565949
Action Type: RESPONSE
Date: 08/12/2013
Action: Unauthorized Release Form

Global Id: T0608565949
Action Type: RESPONSE
Date: 01/01/2004
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 02/27/1987
Action: Other Report / Document

Global Id: T0608565949
Action Type: REMEDIATION
Date: 04/03/2003
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608565949
Action Type: ENFORCEMENT
Date: 01/06/2011
Action: Closure/No Further Action Letter

Global Id: T0608565949
Action Type: ENFORCEMENT
Date: 10/18/2006
Action: Staff Letter - #068101

Global Id: T0608565949
Action Type: Other
Date: 02/01/1987
Action: Leak Discovery

Global Id: T0608565949
Action Type: RESPONSE

SHELL SERVICE STATION (Continued) **1004678102**

Date: 01/01/2006
Action: Monitoring Report - Quarterly

Global Id: T0608565949
Action Type: RESPONSE
Date: 12/18/2001
Action: Soil and Water Investigation Workplan

Global Id: T0608565949
Action Type: RESPONSE
Date: 08/03/1992
Action: Request for Closure

Global Id: T0608565949
Action Type: RESPONSE
Date: 09/18/2003
Action: Sensitive Receptor Survey Report

Global Id: T0608565949
Action Type: ENFORCEMENT
Date: 03/05/2010
Action: Staff Letter

LUST:
Global Id: T0608565949
Status: Completed - Case Closed
Status Date: 01/06/2011

Global Id: T0608565949
Status: Open - Case Begin Date
Status Date: 07/18/2001

Global Id: T0608565949
Status: Open - Site Assessment
Status Date: 07/18/2001

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E05D01F
Date Closed: 01/06/2011
EDR Link ID: 06S1E05D01F

SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/15/1993
Global Id: T0608591760
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.446519
Longitude: -121.89265
Case Type: Cleanup Program Site
Case Worker: MEJ
Local Agency: Not reported
RB Case Number: 43-1932

SHELL SERVICE STATION (Continued) **1004678102**

File Location: Not reported
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: * Solvents
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:
File Number: 000208ED
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000208ED.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110012231940

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055664703

Environmental Interest/Information System
STATE MASTER

SHELL SERVICE STATION (Continued) **1004678102**

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004678102
Registry ID:	110012231940
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012231940

HAZNET:

envid:	1004678102
Year:	2010
GEPAID:	CAR000105106
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO Box 3127
Mailing City,St,Zip:	HOUSTON, TX 772530000
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.045
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Clara

envid:	1004678102
Year:	2010
GEPAID:	CAR000105106
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO Box 3127
Mailing City,St,Zip:	HOUSTON, TX 772530000
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Not reported
Tons:	0.02
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Clara

envid:	1004678102
Year:	2010
GEPAID:	CAR000105106
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO Box 3127
Mailing City,St,Zip:	HOUSTON, TX 772530000
Gen County:	Not reported
TSD EPA ID:	UTD981552177

SHELL SERVICE STATION (Continued) **1004678102**

TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.045
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Clara

envid:	1004678102
Year:	2010
GEPAID:	CAR000105106
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO Box 3127
Mailing City,St,Zip:	HOUSTON, TX 772530000
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Not reported
Tons:	0.02
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Clara

envid:	1004678102
Year:	2009
GEPAID:	CAR000105106
Contact:	R HULL/ENV. REPORTING ANALYST
Telephone:	2818742224
Mailing Name:	Not reported
Mailing Address:	12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip:	Houston, TX 770670000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.095
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Santa Clara

Click this hyperlink while viewing on your computer to access
23 additional CA_HAZNET: record(s) in the EDR Site Report.

E16 SW 1/8-1/4 0.227 mi. 1201 ft. | **JANS SHELL**
990 JACKLIN RD
MILPITAS, CA 95035

Site 3 of 6 in cluster E

SWEEPS UST | **S101594674**
CA FID UST | **N/A**

Relative: Lower

Actual: 24 ft.

SWEEPS UST:

Status:	Active
Comp Number:	32441
Number:	1
Board Of Equalization:	44-000074
Referral Date:	03-27-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	43-011-032441-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	32441
Number:	1
Board Of Equalization:	44-000074
Referral Date:	03-27-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	43-011-032441-000002
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	32441
Number:	1
Board Of Equalization:	44-000074
Referral Date:	03-27-92
Action Date:	07-28-92
Created Date:	02-29-88
Owner Tank Id:	3
SWRCB Tank Id:	43-011-032441-000003
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

JANS SHELL (Continued) **S101594674**

CA FID UST:

Facility ID:	43012292
Regulated By:	UTNKA
Regulated ID:	00032441
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4082635359
Mail To:	Not reported
Mailing Address:	PO BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	MILPITAS 95035
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

E17 **SHELL OIL - JACKLIN RD** **UST** **U003782790**
SW **990 JACKLIN RD** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.227 mi.
1201 ft. **Site 4 of 6 in cluster E**

Relative:
Lower

Actual:
24 ft.

UST:

Facility ID:	43-011-032441-0
Permitting Agency:	MILPITAS, CITY OF
Latitude:	37.4479227
Longitude:	-121.8914764
Facility ID:	43-011-840209
Permitting Agency:	Santa Clara County Environmental Health
Latitude:	37.446621
Longitude:	-121.892723

E18 **JAN'S SHELL WERNER & JANET DIE** **HIST UST** **U001601462**
SW **990 JACKLIN RD** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.233 mi.
1228 ft. **Site 5 of 6 in cluster E**

Relative:
Lower

Actual:
23 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000032441
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	WERNER & JANET DIETRICH
Telephone:	4082635359
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0003

JAN'S SHELL WERNER & JANET DIE (Continued) **U001601462**

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

E19 **MILPITAS SHELL & CAR WASH** **EDR Hist Auto** **1020279374**
SW **990 JACKLIN RD** **N/A**
1/8-1/4 **MILPITAS, CA 95035**
0.233 mi.
1228 ft. **Site 6 of 6 in cluster E**

Relative:
Lower

Actual:
23 ft.

EDR Hist Auto

Year:	Name:	Type:
1989	JANS JACKLIN SELF SERVE	Gasoline Service Stations
1991	JANS JACKLIN SELF SERVE	Gasoline Service Stations
1992	JANS JACKLIN SELF SERVE	Gasoline Service Stations
1993	JANS JACKLIN SELF SERVE	Gasoline Service Stations
1994	JANS JACKLIN SELF SERVE	Gasoline Service Stations
1995	JANS JACKLIN SELF SERVE	Gasoline Service Stations
1996	JANS JACKLIN SELF SERVE	Gasoline Service Stations
2000	MILPITAS SHELL & CAR WASH	Gasoline Service Stations
2001	MILPITAS SHELL & CAR WASH	Gasoline Service Stations
2002	MILPITAS SHELL & CAR WASH	Gasoline Service Stations
2003	MILPITAS SHELL & CAR WASH	Gasoline Service Stations
2004	MILPITAS SHELL & CAR WASH	Gasoline Service Stations
2005	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2006	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2007	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2008	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2009	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2010	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2011	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2012	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2013	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC
2014	MILPITAS SHELL & CAR WASH	Gasoline Service Stations, NEC

20 SSW 1/2-1 0.877 mi. 4632 ft. | **CENTRE POINTE DR**
APN 086-33-102 AND -103
MILPITAS, CA 95035 | **ENVIROSTOR SCH** | **S116490703 N/A**

Relative: Lower

Actual: 27 ft.

ENVIROSTOR:

Facility ID:	60001989
Status:	Inactive - Withdrawn
Status Date:	12/03/2015
Site Code:	204259
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Mellan Songco
Supervisor:	Jose Salcedo
Division Branch:	Northern California Schools & Santa Susana
Assembly:	25
Senate:	10
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	37.43648
Longitude:	-121.8929
APN:	086-41-016, 086-41-017, 086-41-018
Past Use:	AGRICULTURAL - ROW CROPS, EQUIPMENT/INSTRUMENT REPAIR, OFFICE BUILDING, RESEARCH - OTHER, VEHICLE MAINTENANCE
Potential COC:	Under Investigation Arsenic Benzene Chlordane DDD DDE DDT Endrin Lead Naturally Occurring Asbestos (NOA Polynuclear aromatic hydrocarbons (PAHs Toxaphene TPH-diesel TPH-gas TPH-MOTOR OIL
Confirmed COC:	Under Investigation
Potential Description:	OTH, SOIL, SV, UE
Alias Name:	086-41-016
Alias Type:	APN
Alias Name:	086-41-017
Alias Type:	APN
Alias Name:	086-41-018
Alias Type:	APN
Alias Name:	204259
Alias Type:	Project Code (Site Code)
Alias Name:	60001989
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/02/2016
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/08/2014
Comments:	On January 8, 2014, DTSC mailed the fully executed EOA to the District. (NOTE: The Fully Executed EOA is for the McCandless site;

CENTRE POINTE DR (Continued) **S116490703**

the First Amendment to the EOA was sent to the District on Mar 21, 2014 - see EOA Amendment)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/24/2014
Comments: On June 24, 2014, DTSC mailed the fully executed First Amendment Environmental Oversight Agreement (HSA-EOA 13/14-067) to the District. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/02/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 12/03/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60001989
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Mellan Songco
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Site Code: 204259
Assembly: 25
Senate: 10
Special Program Status: Not reported
Status: Inactive - Withdrawn
Status Date: 12/03/2015
Restricted Use: NO
Funding: School District
Latitude: 37.43648
Longitude: -121.8929

CENTRE POINTE DR (Continued) **S116490703**

APN:	086-41-016, 086-41-017, 086-41-018
Past Use:	AGRICULTURAL - ROW CROPS, EQUIPMENT/INSTRUMENT REPAIR, OFFICE BUILDING, RESEARCH - OTHER, VEHICLE MAINTENANCE
Potential COC:	Under Investigation, Arsenic, Benzene, Chlordane, DDD, DDE, DDT, Endrin, Lead, Naturally Occurring Asbestos (NOA, Polynuclear aromatic hydrocarbons (PAHs, Toxaphene, TPH-diesel, TPH-gas, TPH-MOTOR OIL
Confirmed COC:	Under Investigation
Potential Description:	OTH, SOIL, SV, UE
Alias Name:	086-41-016
Alias Type:	APN
Alias Name:	086-41-017
Alias Type:	APN
Alias Name:	086-41-018
Alias Type:	APN
Alias Name:	204259
Alias Type:	Project Code (Site Code)
Alias Name:	60001989
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/02/2016
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/08/2014
Comments:	On January 8, 2014, DTSC mailed the fully executed EOA to the District. (NOTE: The Fully Executed EOA is for the McCandless site; the First Amendment to the EOA was sent to the District on Mar 21, 2014 - see EOA Amendment)

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	06/24/2014
Comments:	On June 24, 2014, DTSC mailed the fully executed First Amendment Environmental Oversight Agreement (HSA-EOA 13/14-067) to the District. Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	04/02/2014
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Agreement Terminated Notification
Completed Date:	12/03/2015
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

CENTRE POINTE DR (Continued) **S116490703**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MILPITAS	S112286511	FOX HOLLOW PARK VICTORIA SITE	PARK VICTORIA		SPILLS 90

692

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/06/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/21/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 77

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/28/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 70

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/27/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/27/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites
Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database
The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 23

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/07/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 09/20/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 9

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 05/31/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 76

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/20/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 11/27/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 19

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/09/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 57

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/26/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/18/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program
DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/02/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 24

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 261

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 133

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 29

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 34

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 52

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 10/10/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/01/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/01/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 10/18/2017
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/16/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 119

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 94

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 09/22/2017
Date Data Arrived at EDR: 09/22/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/15/2017
Date Made Active in Reports: 11/14/2017
Number of Days to Update: 60

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 64

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 10/31/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 11/14/2017
Number of Days to Update: 13

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/18/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/24/2017
Number of Days to Update: 63

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 40

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 10/25/2017
Date Data Arrived at EDR: 10/27/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 19

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 22

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/20/2017
Number of Days to Update: 43

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/09/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 5

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 07/24/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 82

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 5

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 10/17/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/17/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 31

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/14/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 69

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 10/26/2017
Date Data Arrived at EDR: 10/27/2017
Date Made Active in Reports: 11/06/2017
Number of Days to Update: 10

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/28/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 40

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/15/2017
Date Made Active in Reports: 11/28/2017
Number of Days to Update: 74

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 11/22/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 8

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/09/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 28

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/09/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 12

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 28

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/15/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/15/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 3

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 44

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 58

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/29/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 4

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/15/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/06/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/15/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 51

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/06/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/10/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 67

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 09/27/2017
Date Made Active in Reports: 11/10/2017
Number of Days to Update: 44

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 09/27/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 42

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/27/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 50

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 11/10/2017
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 6

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 12/04/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 15

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 12/18/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 22

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 43

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/08/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 43

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/28/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 9

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/11/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 10/02/2017
Date Made Active in Reports: 11/14/2017
Number of Days to Update: 43

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/08/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 6

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 34

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 11/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/16/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/11/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SCDC PARK VICTORIA
1005 NORTH PARK VICTORIA
MILPITAS, CA 95035

TARGET PROPERTY COORDINATES

Latitude (North):	37.449804 - 37˚ 26’ 59.29’’
Longitude (West):	121.88927 - 121˚ 53’ 21.37’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	598247.2
UTM Y (Meters):	4145147.2
Elevation:	36 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640070 MILPITAS, CA
Version Date:	2012
East Map:	5640636 CALAVERAS RESERVOIR, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

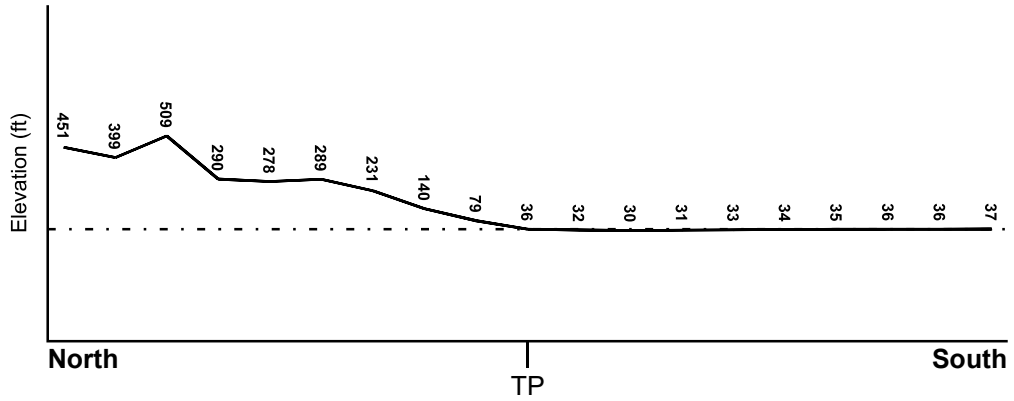
TOPOGRAPHIC INFORMATION

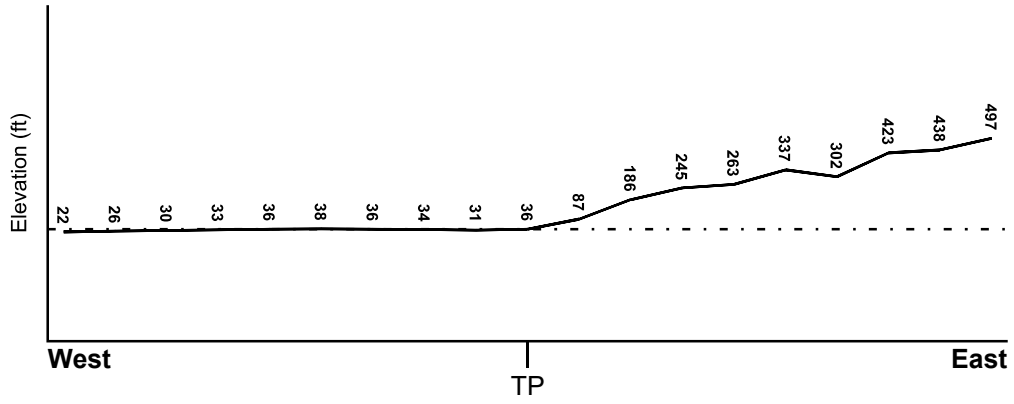
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

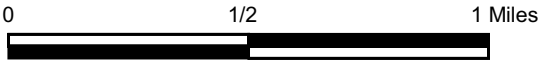
General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 36 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06001C0609G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06001C0650G	FEMA FIRM Flood data
06001C0608G	FEMA FIRM Flood data
06085C0067J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MILPITAS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were c
a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	CLEAR LAKE
Soil Surface Texture:	clay
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	13 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 6.10
2	13 inches	60 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam
clay loam
loam
silt loam

Surficial Soil Types: silty clay loam
clay loam
loam
silt loam

Shallow Soil Types: clay
gravelly - sandy clay loam
clay loam
stratified

Deeper Soil Types: clay loam
stratified
silty clay loam
sandy clay loam
silty clay
loam
weathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1.000 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

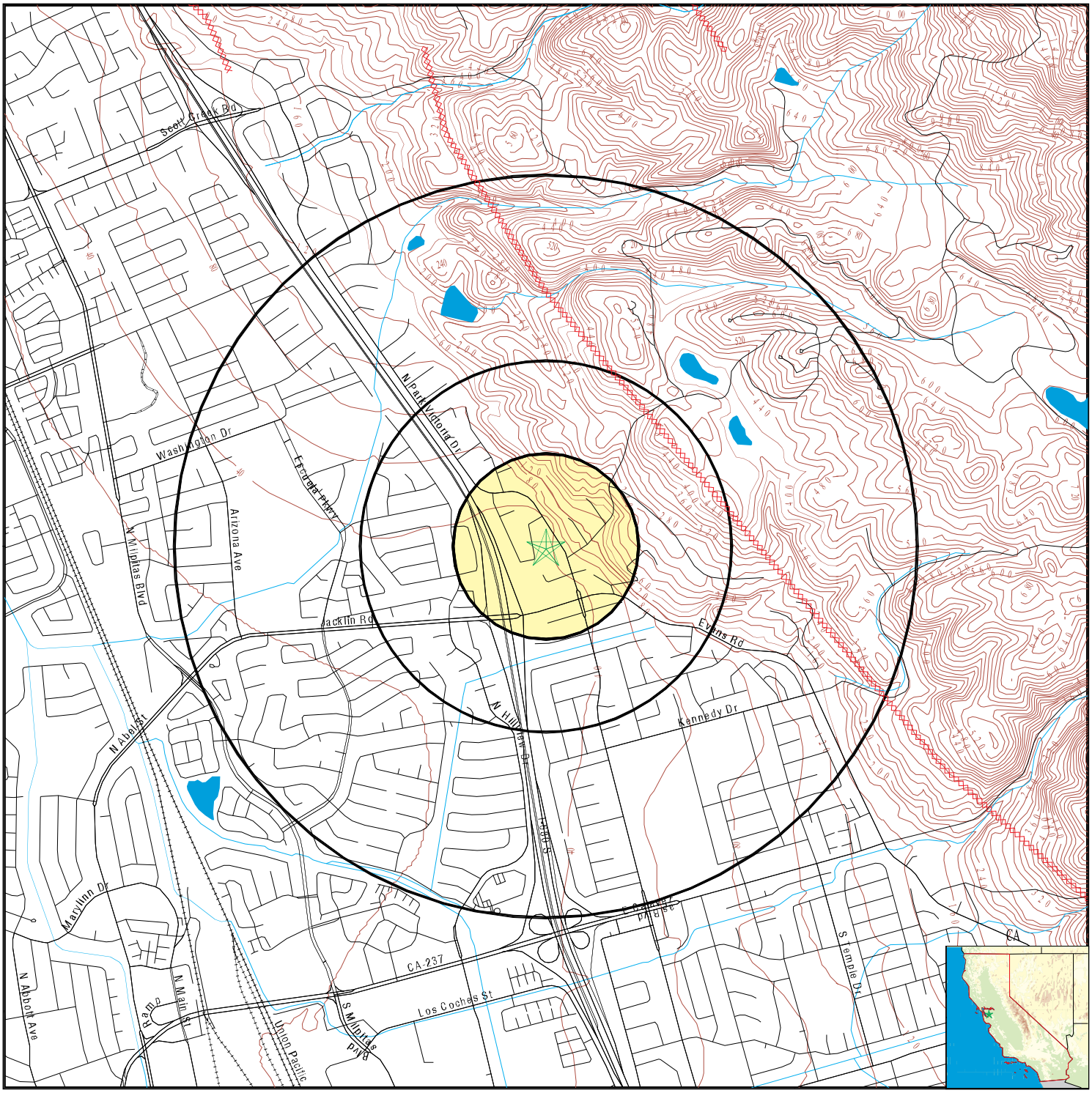
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 05144783.2r



0 1/4 1/2 1 Miles

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas CA 95035 LAT/LONG: 37.449804 / 121.88927	CLIENT: Ramboll Environ CONTACT: Jason Kane INQUIRY #: 05144783.2r DATE: December 26, 2017 9:58 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95035	32	0

Federal EPA Radon Zone for SANTA CLARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95035

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix C

Historical Research Documentation

Appendix C.1

Aerial Photographs

SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Inquiry Number: 4325114.12
June 16, 2015

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Please contact EDR at 1-800-352-0050
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used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography June 16, 2015

Target Property:

1005 North Park Victoria
Milpitas, CA 95035

Year	***Scale***	***Details***	***Source***
1939	Aerial Photograph. Scale: 1"=500'	Flight Year: 1939	USGS
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	USGS
1948	Aerial Photograph. Scale: 1"=500'	Flight Year: 1948	USGS
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	USGS
1956	Aerial Photograph. Scale: 1"=500'	Flight Year: 1956	USGS
1966	Aerial Photograph. Scale: 1"=500'	Flight Year: 1966	USGS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974	USGS
1979	Aerial Photograph. Scale: 1"=500'	Flight Year: 1979	USGS
1982	Aerial Photograph. Scale: 1"=500'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1993	USGS/DOQQ
1998	Aerial Photograph. Scale: 1"=500'	Flight Year: 1998 Best Copy Available from original source	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP

INQUIRY #: 4325114.12
YEAR: 1939
= 500'
N
EDR
756

INQUIRY #: 4325114.12
YEAR: 1940
= 500'
N
EDR
757

INQUIRY #: 4325114.12
YEAR: 1948
= 500'
N
EDR
758

INQUIRY #: 4325114.12
YEAR: 1950
= 500'
N
EDR
759

INQUIRY #: 4325114.12
YEAR: 1956
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EDR
760

INQUIRY #: 4325114.12
YEAR: 1966
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EDR
761

INQUIRY #: 4325114.12
YEAR: 1968
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EDR
762

INQUIRY #: 4325114.12
YEAR: 1974
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EDR
763

INQUIRY #: 4325114.12
YEAR: 1979
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EDR
764

INQUIRY #: 4325114.12
YEAR: 1982
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EDR
765

INQUIRY #: 4325114.12
YEAR: 1993
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INQUIRY #: 4325114.12
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YEAR: 2005
= 500'
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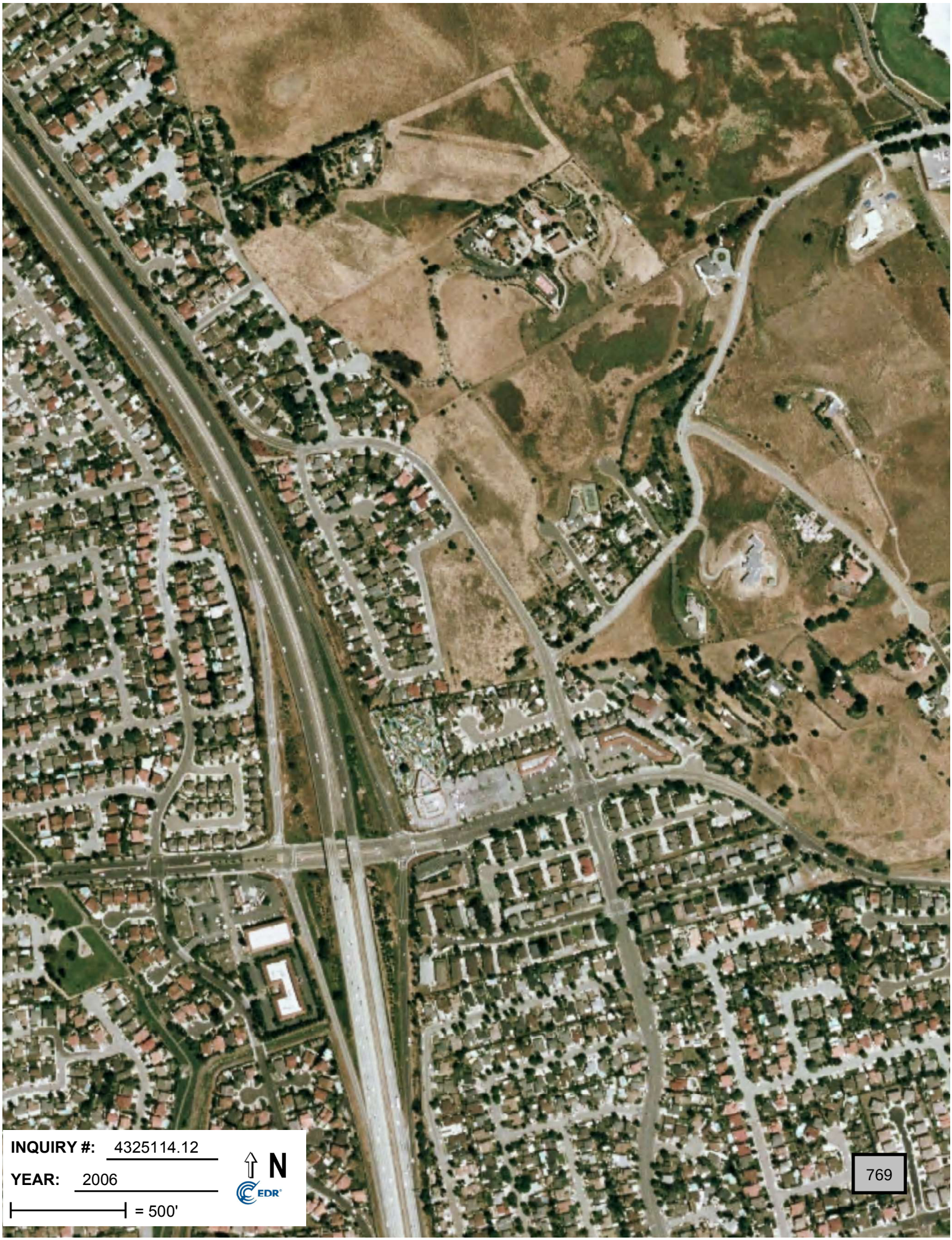
EDR
768


INQUIRY #: 4325114.12
YEAR: 2006
= 500'
N
EDR
769

INQUIRY #: 4325114.12
YEAR: 2009
= 500'
N
EDR
770

INQUIRY #: 4325114.12
YEAR: 2010
= 500'
N
EDR
771

INQUIRY #: 4325114.12
YEAR: 2012
= 500'
N
EDR
772

Appendix C.2

Fire Insurance Maps

SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Inquiry Number: 4325114.3
June 15, 2015

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

6/15/15

Site Name:
SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Client Name:
ENVIRON International
2200 Powell St Suite 700
Emeryville, CA 94608

EDR Inquiry # 4325114.3

Contact: Jason Kane

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by ENVIRON International Corporation were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: SCDC Park Victoria
Address: 1005 North Park Victoria
City, State, Zip: Milpitas, CA 95035
Cross Street:
P.O. # 0321676DD
Project: SCDC Park Victoria
Certification # B178-446F-84D3

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results
Certification # B178-446F-84D3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix C.3

Topographic Maps

SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Inquiry Number: 4325114.4
June 15, 2015

EDR Historical Topographic Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
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with any questions or comments.

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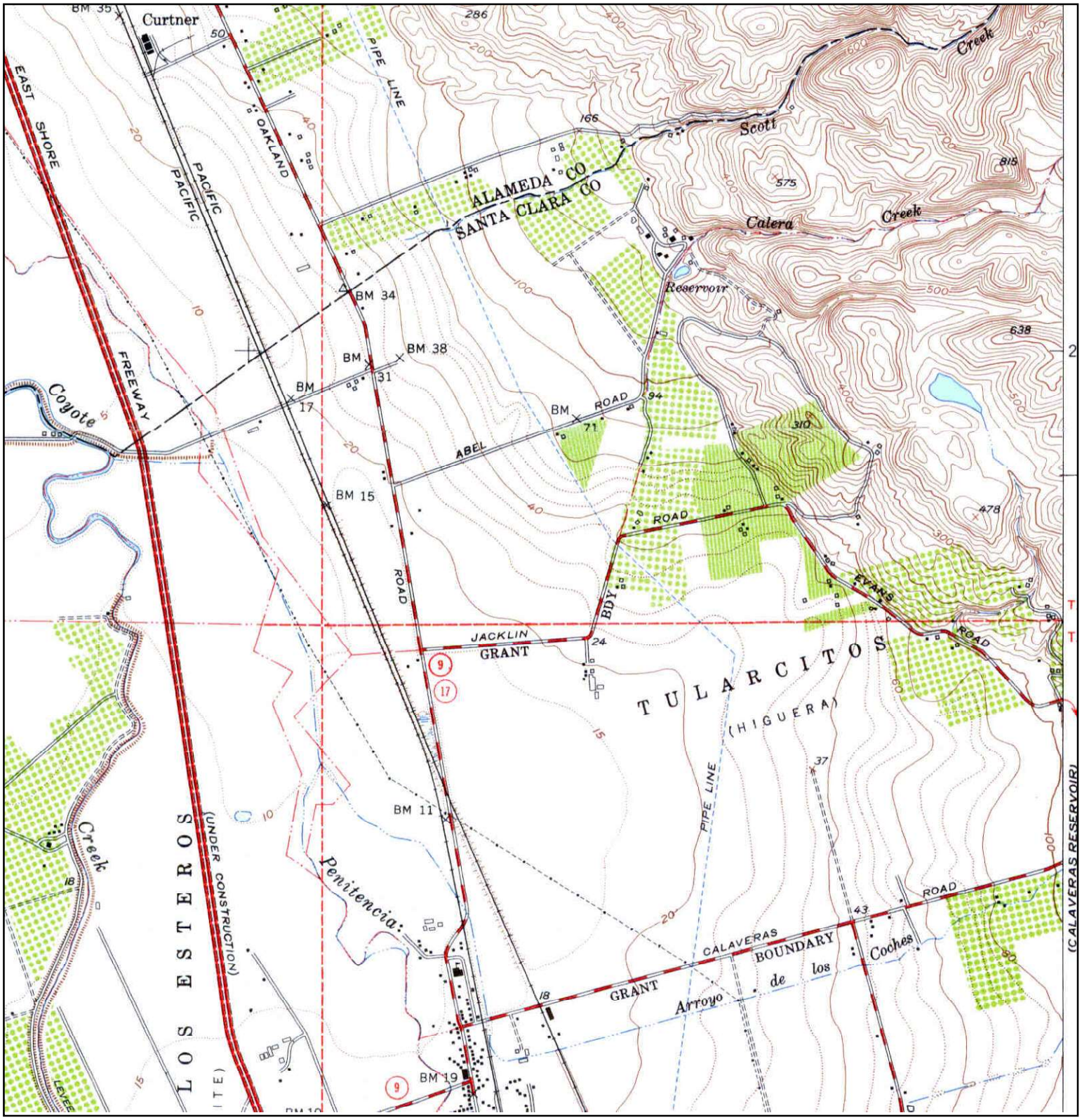
Historical Topographic Map

N	TARGET QUAD NAME: SAN JOSE MAP YEAR: 1899 SERIES: 15 SCALE: 1:62500	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map

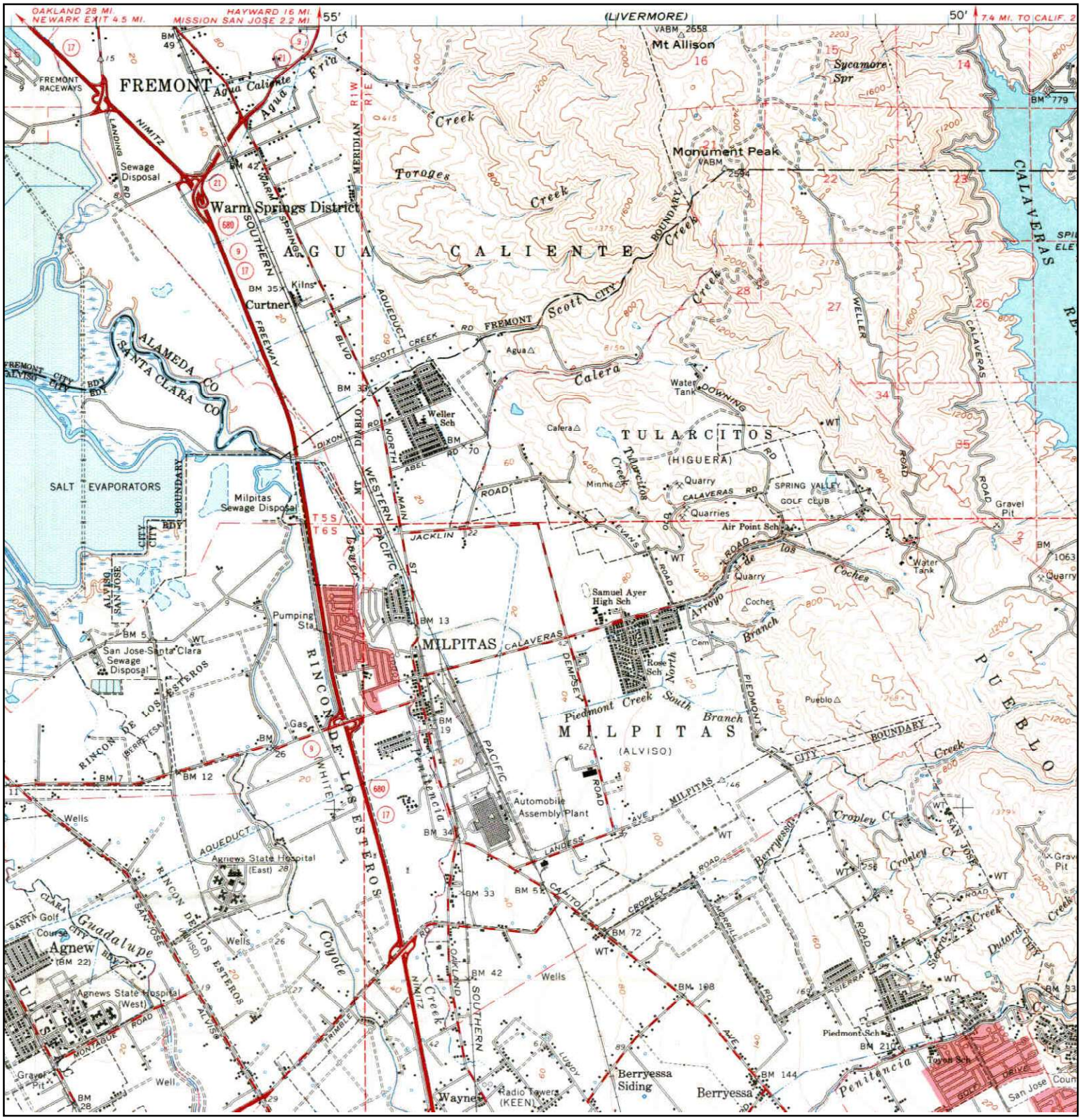


N	TARGET QUAD NAME: MILPITAS MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map

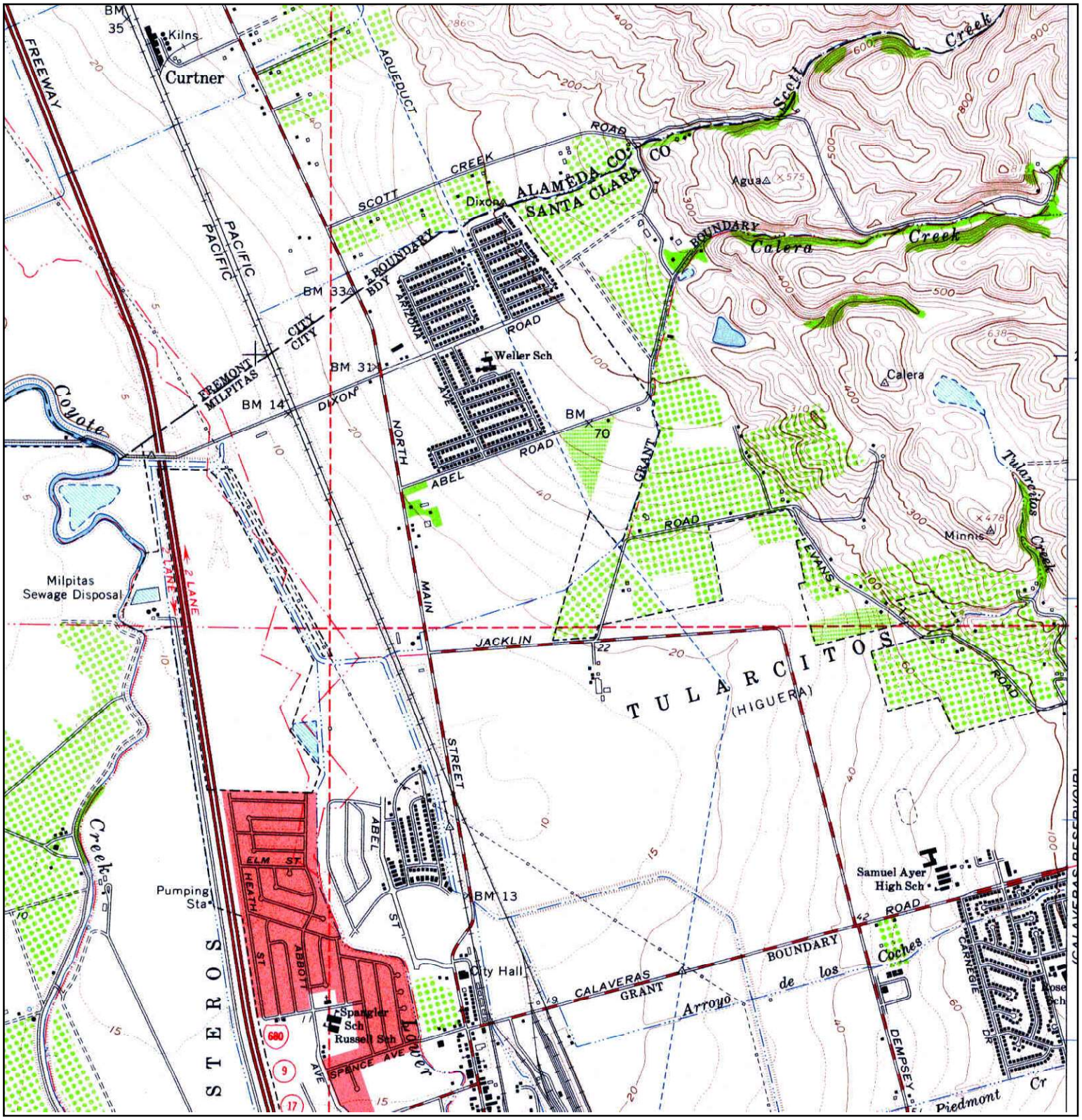
N	TARGET QUAD NAME: SAN JOSE MAP YEAR: 1953 SERIES: 15 SCALE: 1:62500	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map



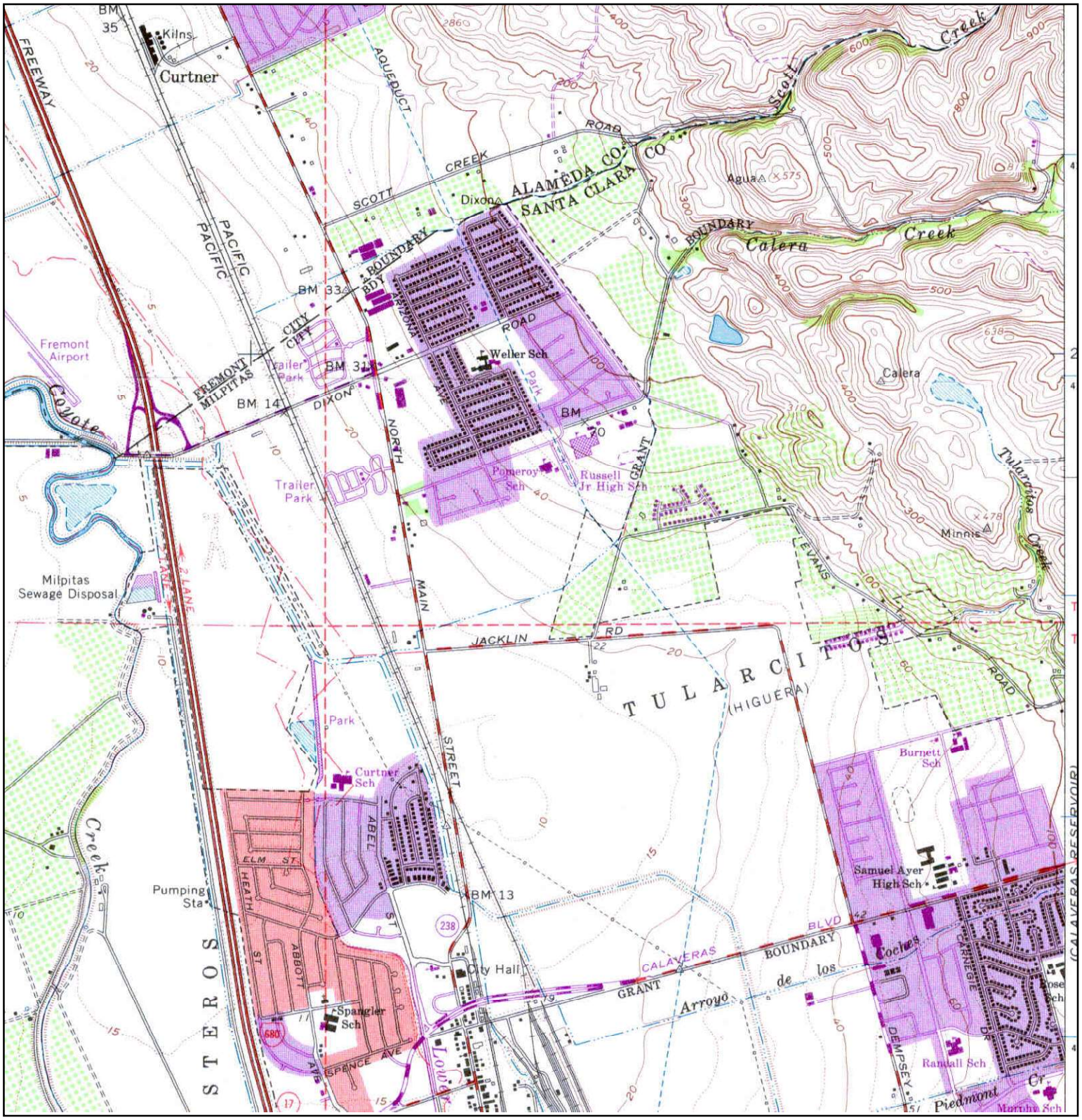
N	TARGET QUAD NAME: SAN JOSE MAP YEAR: 1961 SERIES: 15 SCALE: 1:62500	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map



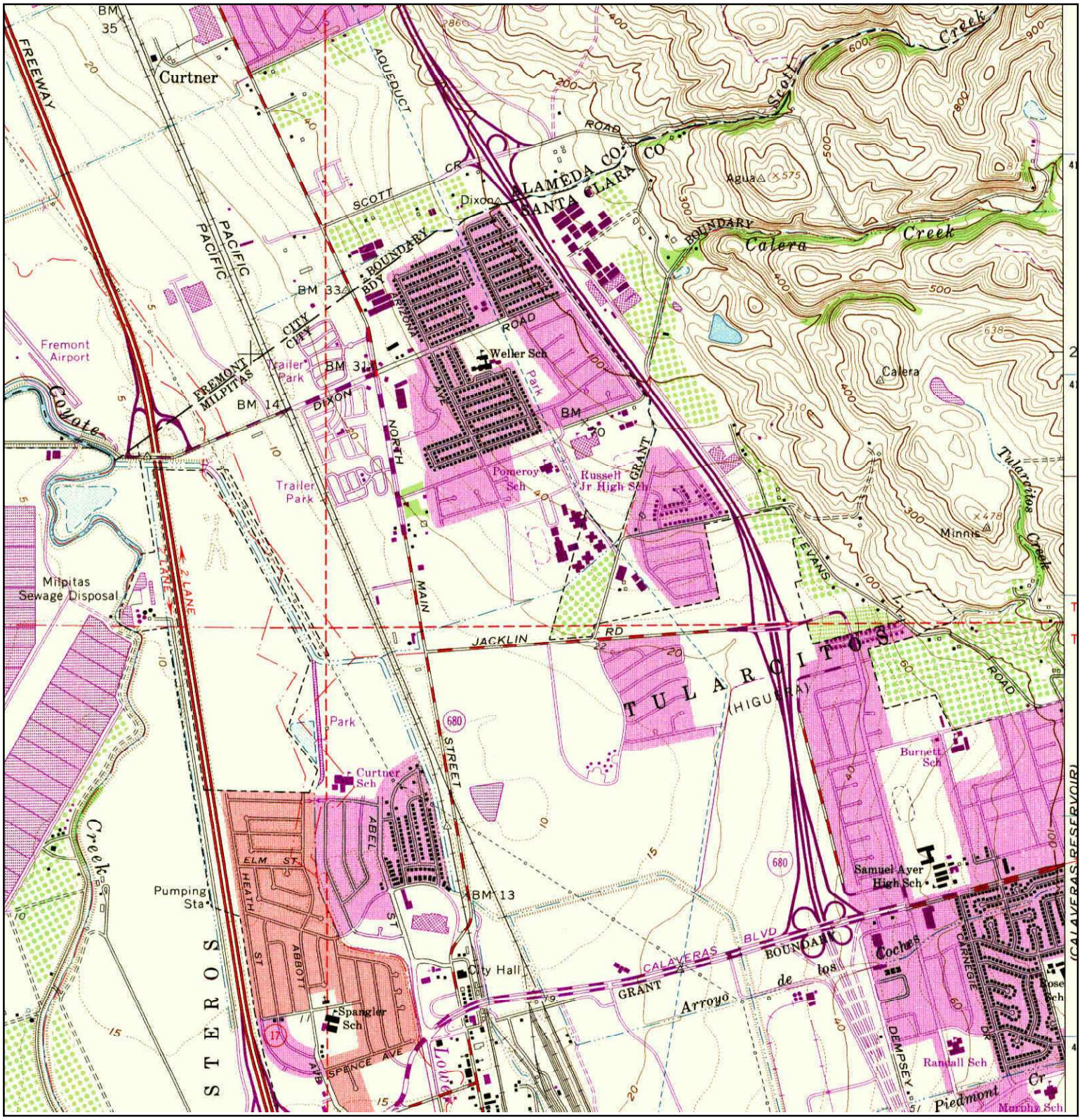
N	TARGET QUAD NAME: MILPITAS MAP YEAR: 1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map



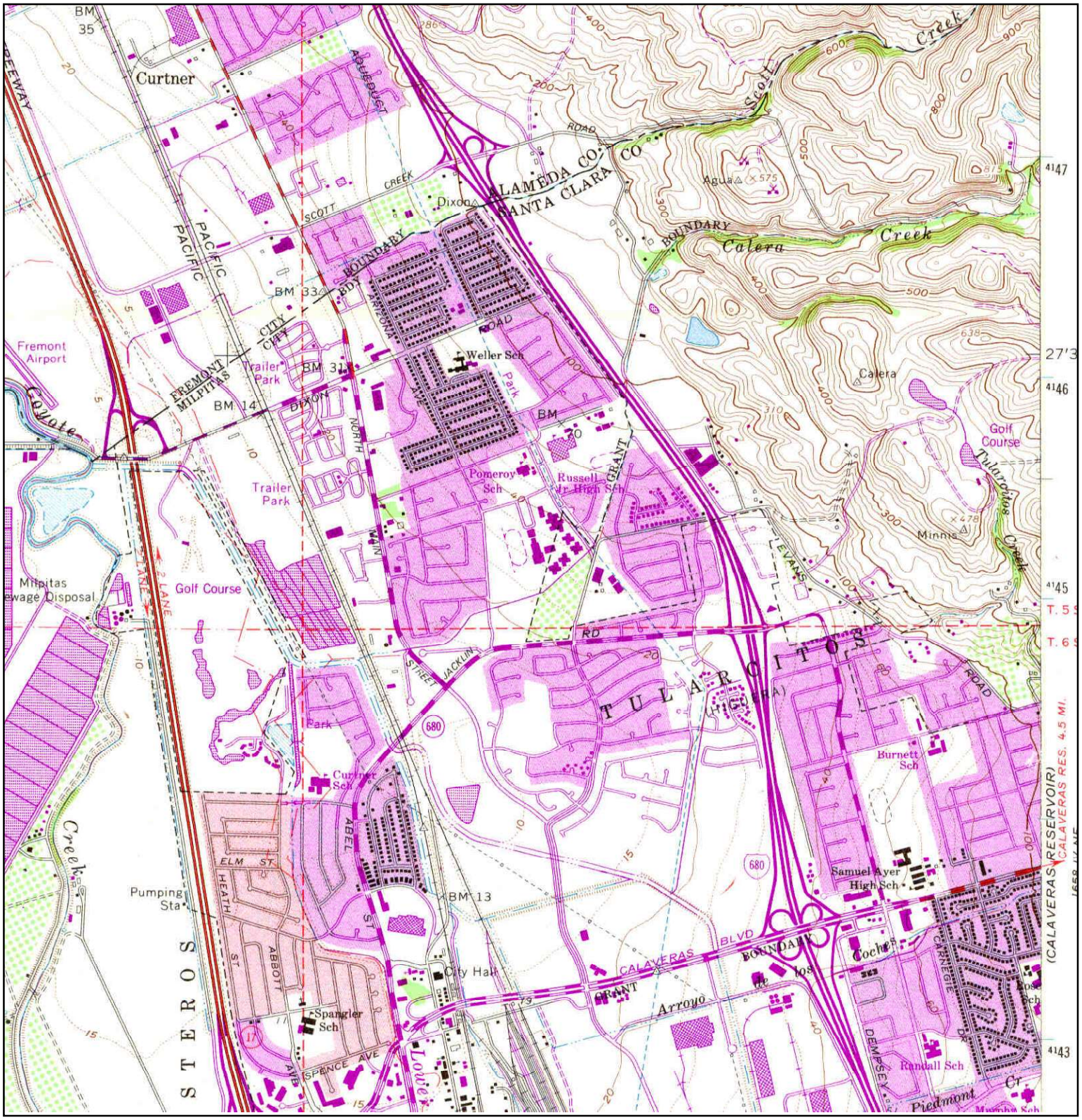
N	TARGET QUAD NAME: MILPITAS MAP YEAR: 1968 PHOTOREVISED FROM :1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map



N	TARGET QUAD NAME: MILPITAS MAP YEAR: 1973 PHOTOREVISED FROM :1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Historical Topographic Map



N	TARGET QUAD NAME: MILPITAS MAP YEAR: 1980 PHOTOREVISED FROM :1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: SCDC Park Victoria ADDRESS: 1005 North Park Victoria Milpitas, CA 95035 LAT/LONG: 37.4499 / -121.8893	CLIENT: ENVIRON International Corporation CONTACT: Jason Kane INQUIRY#: 4325114.4 RESEARCH DATE: 06/15/2015

Appendix C.4

Abstract of City Directories

SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Inquiry Number: 4325114.5
June 29, 2015

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	-	-	-
2008	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines & Company	-	X	X	-
	Haines & Company	X	X	X	-
1996	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1991	PACIFIC BELL WHITE PAGES	-	X	X	-
	PACIFIC BELL WHITE PAGES	X	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1982	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1978	R. L. Polk & Co.	-	-	-	-
1975	Pacific Telephone	-	X	X	-
1974	R. L. Polk Co.	-	-	-	-
1970	R. L. Polk Co.	-	-	-	-
1968	R. L. Polk Co.	-	-	-	-
1966	R. L. POLK	-	-	-	-
1965	R. L. Polk Co.	-	-	-	-
1964	R. L. Polk & Co.	-	-	-	-
1963	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1962	R. L. Polk & Co.	-	-	-	-
1960	R. L. Polk Co.	-	-	-	-
1957	R. L. Polk Co.	-	-	-	-
1955	R. L. Polk Co.	-	-	-	-
1950	R. L. Polk Co.	-	-	-	-
1946	R. L. Polk Co.	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1942	R.L. Polk	-	-	-	-
1940	R. L. Polk Co.	-	-	-	-
1936	R. L. Polk Co.	-	-	-	-
1935	R. L. Polk Co.	-	-	-	-
1931	R. L. Polk Co.	-	-	-	-
1930	R. L. Polk Co.	-	-	-	-
1926	R. L. Polk Co.	-	-	-	-
1925	R. L. Polk Co. of California	-	-	-	-
1922	R. L. Polk Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1005 North Park Victoria
Milpitas, CA 95035

FINDINGS DETAIL

Target Property research detail.

N PARK VICTORIA DR

1005 N PARK VICTORIA DR

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
1991	COURTESY FENCE	PACIFIC BELL WHITE PAGES
1985	ROBINSON JOHN E	Pacific Bell

PARK VICTORIA DR N

1005 PARK VICTORIA DR N

Year	Uses	Source
2000	MULLER Larry	Haines & Company
1996	Muller Larry	Pacific Bell

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BLALOCK

1025 BLALOCK

Year	Uses	Source
1986	Purewal Mani	Pacific Bell

1049 BLALOCK

Year	Uses	Source
1986	Lin James C S	Pacific Bell

1061 BLALOCK

Year	Uses	Source
1996	Jamilano Emil	Pacific Bell

BLALOCK ST

1025 BLALOCK ST

Year	Uses	Source
2006	a PUREWAL Kawaljlt	Haines Company, Inc.
2000	PUREWAL Amar	Haines & Company

1037 BLALOCK ST

Year	Uses	Source
2006	MACIAS Raymond	Haines Company, Inc.
2000	MACIAS Raymond	Haines & Company

1048 BLALOCK ST

Year	Uses	Source
2000	LIN James	Haines & Company

1049 BLALOCK ST

Year	Uses	Source
2006	RANGEL Eric	Haines Company, Inc.
	LIN James	Haines Company, Inc.
1991	Li Un James CS	PACIFIC BELL WHITE PAGES
	LI UN JAMES CS	PACIFIC BELL WHITE PAGES
1985	LIN JAMES CS	Pacific Bell

FINDINGS

1061 BLALOCK ST

Year	Uses	Source
2006	ALAPANLeo	Haines Company, Inc.
2000	ALAPAN Leo	Haines & Company
	DYE Matthew	Haines & Company

1073 BLALOCK ST

Year	Uses	Source
2006	a NGUYEN Hue Kim	Haines Company, Inc.
2000	NGUYEN Hue Kim	Haines & Company
1991	Chapin Alan	PACIFIC BELL WHITE PAGES
	CHAPIN ALAN	PACIFIC BELL WHITE PAGES

CAMARILLO CT

1033 CAMARILLO CT

Year	Uses	Source
2008	ABLE ELDERLY SERVICES	Cole Information Services
2006	CHOW George	Haines Company, Inc.
	ABLE ELDERLY	Haines Company, Inc.
	SERVICES	Haines Company, Inc.
2000	CHOW George	Haines & Company
1996	Chow George	Pacific Bell

1035 CAMARILLO CT

Year	Uses	Source
2008	ELECTROTEST	Cole Information Services
2006	NGUYEN Long	Haines Company, Inc.
2000	ONGUYEN Long	Haines & Company

1037 CAMARILLO CT

Year	Uses	Source
2006	a CHANGYen	Haines Company, Inc.
2000	HIIHT COMMUNICATIONS	Haines & Company
	CHANG Yen	Haines & Company
1996	Chang Yen	Pacific Bell

1039 CAMARILLO CT

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	FARSI Rostam	Haines & Company

FINDINGS

CERVANTEZ CT

1017 CERVANTEZ CT

Year	Uses	Source
2006	o SERTIC Darko	Haines Company, Inc.
2000	SETIC Darko	Haines & Company

1019 CERVANTEZ CT

Year	Uses	Source
2006	ITCHHAPORIA	Haines Company, Inc.
	Jaynadan	Haines Company, Inc.
2000	ITCHHAPORIAJ	Haines & Company

1025 CERVANTEZ CT

Year	Uses	Source
2006	E LEd Joseph	Haines Company, Inc.
2000	REINKEGay PI	Haines & Company

1027 CERVANTEZ CT

Year	Uses	Source
2008	MULTI TASKS SERVICES INC	Cole Information Services
2006	e TORIBIO Rhea	Haines Company, Inc.
2000	TANOThi	Haines & Company
	LEDinh NGUYENDiem	Haines & Company

1029 CERVANTEZ CT

Year	Uses	Source
2006	FRACHDamon	Haines Company, Inc.
2000	SYUJohn	Haines & Company

1031 CERVANTEZ CT

Year	Uses	Source
2006	o SANIDADNIco Ias	Haines Company, Inc.
2000	YEEPhilip	Haines & Company

COUNTRY CLUB DR

1200 COUNTRY CLUB DR

Year	Uses	Source
1991	SummItpointe Golf Club	PACIFIC BELL WHITE PAGES
1985	NAN S OF TULARCITOS	Pacific Bell

Year	Uses	Source
1985	TULARCITOS GOLF AND COUNTRY CLUB	Pacific Bell
	TULARCITOS GOLF AND COUNTRY CLUB	Pacific Bell
	TULARCITOS GOLF AND COUNTRY CLUB	Pacific Bell
	NAN S OF TULARCITOS	Pacific Bell
	NAN S LIQUOR CATERING	Pacific Bell
1980	Pro Shop	Pacific Telephone
	TULARCITOS GOLF AND COUNTRY CLUB	Pacific Telephone

1220 COUNTRY CLUB DR

Year	Uses	Source
2008	ENGEOTECH INC	Cole Information Services
2006	ENGEOTECH INC	Haines Company, Inc.
	HUSSAI N Muhammad	Haines Company, Inc.

CREED

1090 CREED

Year	Uses	Source
1980	boo Giang T & Dung	Pacific Telephone
	Danzos Jesus	Pacific Telephone

1114 CREED

Year	Uses	Source
1980	Montello Steven R	Pacific Telephone

CREED AVE

1081 CREED AVE

Year	Uses	Source
1975	GUPTA VEERENDRA	Pacific Telephone

1105 CREED AVE

Year	Uses	Source
1975	Erickson Roger A	Pacific Telephone

1119 CREED AVE

Year	Uses	Source
1975	PihI C	Pacific Telephone

1129 CREED AVE

Year	Uses	Source
1982	Aguilar Helen M	Pacific Telephone

CREED ST

1090 CREED ST

Year	Uses	Source
2006	NGUYEN Hanh Van	Haines Company, Inc.
	a DAOGiang	Haines Company, Inc.
2000	SHIREY Elizabeth A	Haines & Company
	DAO Giang	Haines & Company
	MIZOBUCHI Toshikazu	Haines & Company
1985	DAO GIANG T & DUNG	Pacific Bell

1096 CREED ST

Year	Uses	Source
2006	a RAMIREZ Evelyn	Haines Company, Inc.
	NAGAYAMA Brar	Haines Company, Inc.
2000	RAMIREZ Evelyn	Haines & Company
1985	CONSTANTINO LORNA	Pacific Bell

1102 CREED ST

Year	Uses	Source
2006	YIP Kevin	Haines Company, Inc.
2000	VIP Kevin	Haines & Company

1108 CREED ST

Year	Uses	Source
2006	MABUTAS Benito	Haines Company, Inc.
	Panay	Haines Company, Inc.
	a VALDEZ Prudencio	Haines Company, Inc.
2000	MABUTAS Bendo Panay	Haines & Company
	VALDEZ Prudencio	Haines & Company

1114 CREED ST

Year	Uses	Source
2006	a PHAMLaurent	Haines Company, Inc.
2000	KUNZ Wilbert C Jr	Haines & Company

FOX HOLLOW CT

1101 FOX HOLLOW CT

Year	Uses	Source
2006	TRAN Billy	Haines Company, Inc.

1102 FOX HOLLOW CT

Year	Uses	Source
2006	9 BARIANAJagdev	Haines Company, Inc.
1996	Parmar Kirti	Pacific Bell
1991	PARMAR KIRTI	PACIFIC BELL WHITE PAGES
	Parmar Kirti	PACIFIC BELL WHITE PAGES

1109 FOX HOLLOW CT

Year	Uses	Source
2006	NGUYEN H	Haines Company, Inc.
1996	Nguyen H	Pacific Bell
1991	NGUYEN H	PACIFIC BELL WHITE PAGES
	Nguyen H	PACIFIC BELL WHITE PAGES

1110 FOX HOLLOW CT

Year	Uses	Source
2008	QUALITY HARDWARESOFTWARE SERVICE	Cole Information Services
2006	BARFOROSHI Khalil	Haines Company, Inc.
1991	PRINCE WILLIAM	PACIFIC BELL WHITE PAGES
	Prince William	PACIFIC BELL WHITE PAGES

1117 FOX HOLLOW CT

Year	Uses	Source
2006	e LEHuy	Haines Company, Inc.
	PHAM Trn I	Haines Company, Inc.
1991	Nguyen Hoa	PACIFIC BELL WHITE PAGES
	NGUYEN HOA	PACIFIC BELL WHITE PAGES

1118 FOX HOLLOW CT

Year	Uses	Source
2006	e LEJerry	Haines Company, Inc.

1125 FOX HOLLOW CT

Year	Uses	Source
2006	a NOBLE Lou	Haines Company, Inc.

FINDINGS

1126 FOX HOLLOW CT

Year	Uses	Source
2006	WALJIIKarim	Haines Company, Inc.

1133 FOX HOLLOW CT

Year	Uses	Source
2006	o TRAJANOCh In	Haines Company, Inc.

1134 FOX HOLLOW CT

Year	Uses	Source
2006	WALJIKarim	Haines Company, Inc.

1141 FOX HOLLOW CT

Year	Uses	Source
2006	TRUONG Daniel	Haines Company, Inc.

1142 FOX HOLLOW CT

Year	Uses	Source
2006	NGUYEN Hong	Haines Company, Inc.

1149 FOX HOLLOW CT

Year	Uses	Source
2006	VALLIANIAzcz	Haines Company, Inc.

1150 FOX HOLLOW CT

Year	Uses	Source
2006	GHOSH NIrmalya	Haines Company, Inc.

1157 FOX HOLLOW CT

Year	Uses	Source
2006	e ANDERSON Mark J	Haines Company, Inc.
1996	Anderson Mark J	Pacific Bell

1158 FOX HOLLOW CT

Year	Uses	Source
2006	SELVANESAN	Haines Company, Inc.
	Rajeshwaren	Haines Company, Inc.

1165 FOX HOLLOW CT

Year	Uses	Source
2006	e PIAM Iep	Haines Company, Inc.

1166 FOX HOLLOW CT

Year	Uses	Source
2006	VANKAYALAPATI	Haines Company, Inc.
	Venkata	Haines Company, Inc.

1173 FOX HOLLOW CT

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.

1174 FOX HOLLOW CT

Year	Uses	Source
2006	NGUYEN Loc	Haines Company, Inc.

1181 FOX HOLLOW CT

Year	Uses	Source
2006	LUOLuen jyh	Haines Company, Inc.

1182 FOX HOLLOW CT

Year	Uses	Source
2006	e TRANBa	Haines Company, Inc.

1189 FOX HOLLOW CT

Year	Uses	Source
2006	QUACH Sylvia	Haines Company, Inc.

1190 FOX HOLLOW CT

Year	Uses	Source
2006	DOANTeac	Haines Company, Inc.

1197 FOX HOLLOW CT

Year	Uses	Source
2006	e CHUNG Peter	Haines Company, Inc.

1198 FOX HOLLOW CT

Year	Uses	Source
2006	a NGOVInh	Haines Company, Inc.

FOXHOLLOW CT

1101 FOXHOLLOW CT

Year	Uses	Source
2000	IRACE Bien	Haines & Company

FINDINGS

1102 FOXHOLLOW CT

Year	Uses	Source
2000	BARIANA Jagdev	Haines & Company

1109 FOXHOLLOW CT

Year	Uses	Source
2000	NGUYEN H	Haines & Company

1110 FOXHOLLOW CT

Year	Uses	Source
2000	BARFOROSHI Khaill	Haines & Company

1117 FOXHOLLOW CT

Year	Uses	Source
2000	CHAUDHARI Sunil	Haines & Company

1125 FOXHOLLOW CT

Year	Uses	Source
2000	MEDEL Ricardo	Haines & Company
	GEVARGIESS Helen	Haines & Company

1126 FOXHOLLOW CT

Year	Uses	Source
2000	NGUYEN Cuong	Haines & Company

1133 FOXHOLLOW CT

Year	Uses	Source
2000	TRAJANO Enrico	Haines & Company

1134 FOXHOLLOW CT

Year	Uses	Source
2000	WALJI Karim	Haines & Company

1141 FOXHOLLOW CT

Year	Uses	Source
2000	TRUONG Daniel	Haines & Company

1142 FOXHOLLOW CT

Year	Uses	Source
2000	NGUYEN Hong	Haines & Company

FINDINGS

1149 FOXHOLLOW CT

Year	Uses	Source
2000	VALLIANI Aziz	Haines & Company

1150 FOXHOLLOW CT

Year	Uses	Source
2000	HOSSEINZADEH K	Haines & Company

1157 FOXHOLLOW CT

Year	Uses	Source
2000	ANDERSON Mark J	Haines & Company

1158 FOXHOLLOW CT

Year	Uses	Source
2000	TSAO Wen	Haines & Company

1165 FOXHOLLOW CT

Year	Uses	Source
2000	PHAM Hiep	Haines & Company

1166 FOXHOLLOW CT

Year	Uses	Source
2000	VANKAYALAPATV	Haines & Company

1173 FOXHOLLOW CT

Year	Uses	Source
2000	NGUYEN Rang	Haines & Company

1174 FOXHOLLOW CT

Year	Uses	Source
2000	NGUYEN Loc	Haines & Company

1181 FOXHOLLOW CT

Year	Uses	Source
2000	LUO Luen	Haines & Company

1189 FOXHOLLOW CT

Year	Uses	Source
2000	NGO Tri	Haines & Company

1190 FOXHOLLOW CT

Year	Uses	Source
2000	NGUYEN Duy	Haines & Company

Year	Uses	Source
2000	BLUE SKY POOL SERVICE	Haines & Company

1197 FOXHOLLOW CT

Year	Uses	Source
2000	CHUNG Peter	Haines & Company

1198 FOXHOLLOW CT

Year	Uses	Source
2000	NGO Vinh	Haines & Company

N PARK VICTORIA DR

1015 N PARK VICTORIA DR

Year	Uses	Source
1986	Rakitin Dimitri M	Pacific Bell

1020 N PARK VICTORIA DR

Year	Uses	Source
2006	PEDRO Jerry	Haines Company, Inc.
1991	PEDRO FRANK M	PACIFIC BELL WHITE PAGES
	Pedro Frank M	PACIFIC BELL WHITE PAGES
1986	Pedro Frank M	Pacific Bell
1985	PEDRO FRANK M	Pacific Bell

930 N PARK VICTORIA DR

Year	Uses	Source
2006	CHEUNG Lizzie	Haines Company, Inc.

NICKLAUS AVE

1009 NICKLAUS AVE

Year	Uses	Source
2006	OJOLLEYChas R	Haines Company, Inc.
2000	JOLLEY Chas R	Haines & Company
	JOLLEY Chas R	Haines & Company
	JOLLEY Charles	Haines & Company
1996	Jolley Chas R	Pacific Bell
	Jolley Charles	Pacific Bell
	Jolley Chas R	Pacific Bell
1986	Jolley Charles	Pacific Bell
	Jolley Chas R	Pacific Bell

Year	Uses	Source
1985	JOLLEY CHARLES	Pacific Bell
	JOLLEY CHAS R	Pacific Bell

1017 NICKLAUS AVE

Year	Uses	Source
2006	ABUAN Bonifacio	Haines Company, Inc.
2000	ABUAN Bonifacio	Haines & Company
1996	Abuan Bonifaclo	Pacific Bell
1986	Abuan Bonifacio	Pacific Bell
1985	ABUAN BONIFACIO	Pacific Bell
1980	Abuen Bonifacio	Pacific Telephone

PARK VICTORIA DR

1045 PARK VICTORIA DR

Year	Uses	Source
1980	Rice D	Pacific Telephone

PARK VICTORIA DR N

1015 PARK VICTORIA DR N

Year	Uses	Source
2000	NO CURRENT LISTING	Haines & Company

1020 PARK VICTORIA DR N

Year	Uses	Source
2000	OPEDROJe Iry	Haines & Company

RANKIN DR

1013 RANKIN DR

Year	Uses	Source
2006	o BALJoginder	Haines Company, Inc.
	REGHMINDER Bal	Haines Company, Inc.
2000	BERCHEM James	Haines & Company

1025 RANKIN DR

Year	Uses	Source
2006	a NGOHoang	Haines Company, Inc.
2000	NGO Hoang	Haines & Company
1986	Palla Mohammed Yousuf	Pacific Bell

FINDINGS

Year	Uses	Source
1985	PALLS MOHAMMED YOUSUF	Pacific Bell
1980	Palla Mohammed Yousuf	Pacific Telephone

1037 RANKIN DR

Year	Uses	Source
2006	VEGA Humberto	Haines Company, Inc.
2000	BROWN Ronald	Haines & Company

1049 RANKIN DR

Year	Uses	Source
2006	EVANS Frank	Haines Company, Inc.
2000	EVANS Nelda	Haines & Company
	EVANS Frank	Haines & Company
1996	Evans Frank & Nelda	Pacific Bell
1986	Evans Frank	Pacific Bell
1985	EVANS FRANK	Pacific Bell
1980	Evans Frank	Pacific Telephone

1057 RANKIN DR

Year	Uses	Source
2006	FONG Steven a	Haines Company, Inc.
2000	FONG Steven	Haines & Company

1065 RANKIN DR

Year	Uses	Source
2006	TURNER John	Haines Company, Inc.
2000	TURNER Jonn	Haines & Company
1986	Peoples J M & H P	Pacific Bell
1985	PEOPLES J M & H P	Pacific Bell

1077 RANKIN DR

Year	Uses	Source
2006	ODJHAChander M	Haines Company, Inc.
2000	OJHA Chander M	Haines & Company
1991	OHA CHANDER M	PACIFIC BELL WHITE PAGES
	O ha Chander M	PACIFIC BELL WHITE PAGES
1986	Ojha Chander M	Pacific Bell
1985	OJHA CHANDER M	Pacific Bell

1089 RANKIN DR

Year	Uses	Source
2006	o LAUMan	Haines Company, Inc.
2000	LAU Man	Haines & Company

SAINT JOSEPH CT

1200 SAINT JOSEPH CT

Year	Uses	Source
1986	MC DANIEL JAS R	Pacific Bell

1201 SAINT JOSEPH CT

Year	Uses	Source
1986	COOMBES G	Pacific Bell

1208 SAINT JOSEPH CT

Year	Uses	Source
1986	DUNKEL ROBT D	Pacific Bell

1211 SAINT JOSEPH CT

Year	Uses	Source
1986	GULICK ED	Pacific Bell

1214 SAINT JOSEPH CT

Year	Uses	Source
1986	HACKER RUSSELL P	Pacific Bell

1230 SAINT JOSEPH CT

Year	Uses	Source
1986	FERRIANS OSCAR J JR	Pacific Bell

1240 SAINT JOSEPH CT

Year	Uses	Source
1986	SCHMITZ GEO L	Pacific Bell

1250 SAINT JOSEPH CT

Year	Uses	Source
1986	ROBLES ELAINE	Pacific Bell

1271 SAINT JOSEPH CT

Year	Uses	Source
1986	TAYLOR ROBERT H	Pacific Bell

FINDINGS

1291 SAINT JOSEPH CT

Year	***Uses***	***Source***
1986	LANES EART V CDR RET	Pacific Bell

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1005 North Park Victoria	2013, 2008, 2001, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1009 NICKLAUS AVE	2013, 2008, 2001, 1991, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1013 RANKIN DR	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1015 N PARK VICTORIA DR	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1015 PARK VICTORIA DR N	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1017 CERVANTEZ CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1017 NICKLAUS AVE	2013, 2008, 2001, 1991, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1019 CERVANTEZ CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1020 N PARK VICTORIA DR	2013, 2008, 2001, 2000, 1996, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1020 PARK VICTORIA DR N	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1025 BLALOCK	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1025 BLALOCK ST	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1025 CERVANTEZ CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1025 RANKIN DR	2013, 2008, 2001, 1996, 1991, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1027 CERVANTEZ CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1027 CERVANTEZ CT	2013, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1029 CERVANTEZ CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1031 CERVANTEZ CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1033 CAMARILLO CT	2013, 2008, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1033 CAMARILLO CT	2013, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1035 CAMARILLO CT	2013, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1035 CAMARILLO CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1037 BLALOCK ST	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1037 CAMARILLO CT	2013, 2008, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1037 RANKIN DR	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1039 CAMARILLO CT	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1045 PARK VICTORIA DR	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1048 BLALOCK ST	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1049 BLALOCK	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1049 BLALOCK ST	2013, 2008, 2001, 2000, 1996, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1049 RANKIN DR	2013, 2008, 2001, 1991, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1057 RANKIN DR	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1061 BLALOCK	2013, 2008, 2006, 2001, 2000, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1061 BLALOCK ST	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1065 RANKIN DR	2013, 2008, 2001, 1996, 1991, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1073 BLALOCK ST	2013, 2008, 2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1077 RANKIN DR	2013, 2008, 2001, 1996, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1081 CREED AVE	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1089 RANKIN DR	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1090 CREED	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1090 CREED ST	2013, 2008, 2001, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1096 CREED ST	2013, 2008, 2001, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1101 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1101 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1102 CREED ST	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1102 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1102 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1105 CREED AVE	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1108 CREED ST	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1109 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1109 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1110 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1110 FOX HOLLOW CT	2013, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1110 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1114 CREED	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1114 CREED ST	2013, 2008, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1117 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1117 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1118 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1119 CREED AVE	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1125 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1125 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1126 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1126 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1129 CREED AVE	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1133 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1133 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1134 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1134 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1141 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1141 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1142 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1142 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1149 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1149 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1150 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1150 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1157 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1157 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1158 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1158 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1165 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1165 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1166 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1166 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1173 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1173 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1174 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1174 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1181 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1181 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1182 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1189 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1189 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1190 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1190 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1197 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
1197 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1198 FOX HOLLOW CT	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1198 FOXHOLLOW CT	2013, 2008, 2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1200 COUNTRY CLUB DR	2013, 2008, 2006, 2001, 2000, 1996, 1986, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1200 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1201 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1208 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1211 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1214 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1220 COUNTRY CLUB DR	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1220 COUNTRY CLUB DR	2013, 2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1230 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1240 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1250 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1271 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1291 SAINT JOSEPH CT	2013, 2008, 2006, 2001, 2000, 1996, 1991, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
930 N PARK VICTORIA DR	2013, 2008, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

Appendix C.5

Environmental Lien Search

SCDC Park Victoria
1005 North Park Victoria
Milpitas, CA 95035

Inquiry Number: 5144783.5
December 27, 2017

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

1005 North Park Victoria
SCDC Park Victoria
Milpitas, CA 95035

RESEARCH SOURCE

Source 1:

Santa Clara county recorder
Santa Clara, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	Hooshang N Salem
Title received from:	Ciema INC
Deed Dated	5/17/2016
Deed Recorded:	1/11/2017
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	see exhibit
Miscellaneous Comments:	na
Legal Description:	see exhibit
Legal Current Owner:	Hooshang N Salem
Parcel # / Property Identifier:	02904040
Comments:	see exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

23555338

Regina Alcomendras
Santa Clara County - Clerk-Recorder

01/11/2017 11:13 AM

Titles: 1 Pages: 4

Fees: $34.00
Taxes: $0.00
Total: $34.00

RECORDING REQUESTED BY
First American Title Insurance Company
National Commercial Services

AND WHEN RECORDED MAIL TO:
Robson Homes, LLC
2185 The Alameda, Suite 150
San Jose, CA 95126-1432
Attn: Pamela Gulsvig

Space Above This Line for Recorder's Use Only

A.P.N.: 029-04-040

File No.: _____

GRANT DEED

The Undersigned Grantor(s) Declare(s):
DOCUMENTARY TRANSFER TAX $
CITY TRANSFER TAX $
SURVEY MONUMENT FEE $

[ ] computed on the consideration or full value of property conveyed, OR
[ ] computed on the consideration or full value less value of liens and/or encumbrances remaining at time of sale,
[ ] unincorporated area; [ ] City of **Milpitas**, and
[X] Exempt from transfer tax, reason: **R&TC 11925(d)** (this conveyance results in a change in the method of holding title to the realty and in which proportional ownership interests in the realty remain the same immediately after the transfer pursuant to R&TC 11925(d))

Signature of Declarant

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, **CIEMA, INC., a California corporation (successor by name change to Cymer Inc., a California corporation)**

hereby GRANTS to **HOOSHANG N. SALEM, a married man, as his sole and separate property***

the following described property in the City of **Milpitas**, County of **Santa Clara**, State of **California**:

SEE LEGAL DESCRIPTION ATTACHED HERETO AS EXHIBIT A AND INCORPORATED HEREIN BY THIS REFERENCE.

***It is the intent of this conveyance to evidence an August 13, 1984 unrecorded conveyance of the Property to HOOSHANG N. SALEM.**

820

Dated: _____

GRANTOR:

CIEMA, INC., a California corporation

By: _____

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara

On 5/17/2016 before me, Andrew Hoeft, notary public personally appeared Hoshang Salen, who proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by his/~~her~~/~~their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature _____ (Seal)

ANDREW HOEFT
Commission # 2009876
Notary Public - California
Santa Clara County
My Comm. Expires Mar 4, 2017

NNA1 NNA1

821

Exhibit "A"

Legal Description

Real property in the City of Milpitas, County of Santa Clara, State of California, described as follows:

PARCEL ONE:

BEGINNING AT A ONE INCH PIPE AT THE POINT OF INTERSECTION OF THE SOUTHWESTERLY LINE OF EVANS ROAD, 50 FEET WIDE, AS CONVEYED BY JOSEPH G. SANTOS, ET UX, TO THE COUNTY OF SANTA CLARA, AS RECORDED IN VOLUME 284 OF OFFICIAL RECORDS, AT PAGE 156, RECORDS OF SANTA CLARA COUNTY, CALIFORNIA, WITH THE SOUTHERLY LINE OF THAT CERTAIN 39.56 ACRE TRACT OF LAND CONVEYED BY JOSEPH G. SANTOS, ET UX, TO HENRY THOLE, ET UX, BY DEED DATED FEBRUARY 21, 1944 AND RECORDED ON FEBRUARY 24, 1944 IN BOOK 1191 OF OFFICIAL RECORDS, PAGE 58 AND
RUNNING THENCE ALONG THE SOUTHERLY LINE OF SAID 39.56 ACRE TRACT OF LAND, SOUTH 79° 36' WEST 470.76 FEET TO A ONE INCH PIPE;
THENCE RUNNING NORTH 10° 16' WEST 656.76 FEET TO A ONE INCH PIPE;
THENCE NORTH 79° 49' EAST 197.72 FEET TO A ONE INCH PIPE IN THE SOUTHWESTERLY LINE OF SAID EVANS ROAD;
THENCE ALONG THE SOUTHWESTERLY LINE OF EVANS ROAD, SOUTH 32° 32' EAST 649.20 FEET;
THENCE CONTINUING ALONG SAID LINE OF EVANS ROAD ON A CURVE TO THE LEFT, WITH A RADIUS OF 425 FEET, THROUGH A CENTRAL ANGLE OF 8° 13' 15" FOR A DISTANCE OF 60.97 FEET TO THE PLACE OF BEGINNING; SITUATED IN THE TULARCITOS RANCHO, SANTA CLARA COUNTY, CALIFORNIA.

EXCEPTING THEREFROM THE FOLLOWING:

BEGINNING AT THE NORTHWESTERN CORNER OF THAT CERTAIN PARCEL OF LAND DESCRIBED AS PARCEL ONE IN THE DEED FROM HENRY THOLE TO LOUIE R. GOMES RECORDED MARCH 09, 1949 IN BOOK 1756, PAGE 76 OF SANTA CLARA COUNTY OFFICIAL RECORDS;
THENCE ALONG SAID NORTHWESTERLY LINE NORTH 79° 40' 08" EAST, 92.78 FEET;
THENCE LEAVING LAST NAMED LINE SOUTH 60° 15' 00" WEST 98.30 FEET TO A POINT ON THE WESTERLY LINE OF SAID PARCEL ONE (BOOK 1756 PAGE 76);
THENCE NORTH 10° 27' 28" WEST 32.68 FEET TO THE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM THE FOLLOWING:

BEGINNING AT THE NORTHEASTERLY CORNER OF TRACT NO. 8112, "FOX HOLLOW" AS SAID TRACT IS SHOWN ON THAT MAP RECORDED IN BOOK 586 OF MAPS AT PAGES 8 & 9. SAID POINT OF BEGINNING ALSO BEING IN THE SOUTHWESTERLY LINE OF EVANS ROAD (50.00 FEET WIDE);
THENCE SOUTHWESTERLY ALONG THE NORTHERN BOUNDARY OF SAID TRACT, SOUTH 79° 32' 29" WEST 58.50 FEET TO A POINT OF CUSP;
THENCE ALONG A NON-TANGENT CURVE TO THE LEFT WHOSE RADIUS BEARS SOUTH 73° 00' 24" WEST 1325.00 FEET, THROUGH A CENTRAL ANGLE OF 15° 45' 06" AN ARC LENGTH OF 364.27 FEET TO A POINT OF TANGENCY WITH THE SOUTHWESTERLY LINE OF EVANS ROAD (50.00 FEET WIDE);
THENCE SOUTHEASTERLY ALONG SAID LINE SOUTH 32° 44' 43" EAST 321.09 FEET TO A POINT OF CURVATURE;
THENCE ALONG A TANGENT CURVE TO THE LEFT WHOSE RADIUS IS 425.00 FEET, THROUGH A CENTRAL ANGLE OF 8° 13' 25", AN ARC LENGTH OF 61.00 FEET TO THE POINT OF BEGINNING.

PARCEL TWO:

ALL THAT PORTION OF LAND BEING WITHIN THE BOUNDARIES OF EVANS ROAD, LYING BETWEEN THE NORTHEASTERLY LINE OF THE ABOVE MENTIONED 39.56 ACRE TRACT OF LAND, AND THE SOUTHWESTERLY LINE OF SAID EVANS ROAD AND BETWEEN THE NORTHEASTERLY PROLONGATIONS OF THE NORTHWESTERLY AND SOUTHEASTERLY LINES OF THE HEREIN DESCRIBED 5 ACRE TRACT OF LAND.

PARCEL THREE:

BEGINNING AT A FOUND ONE-INCH IRON PIPE IN THE SOUTHWESTERLY LINE OF EVANS ROAD, 50 FEET WIDE, AS CONVEYED BY JOSEPH G. SANTOS ET UX TO THE COUNTY OF SANTA CLARA, RECORDED IN VOLUME 284 OF OFFICIAL RECORDS, PAGE 156, SANTA CLARA COUNTY RECORDS; SAID POINT ALSO BEING THE MOST NORTHEASTERLY CORNER OF THE PARCEL OF LAND DESCRIBED AS PARCEL ONE IN THE DEED FROM HENRY V. THOLE TO LOUIE R. GOMES, RECORDED MARCH 09, 1949 IN BOOK 1756, PAGE 76, SANTA CLARA COUNTY RECORDS;
THENCE ALONG SAID SOUTHWESTERN LINE OF SAID EVANS ROAD NORTH 32° 45' 34" WEST, 35.00 FEET;
THENCE LEAVING SAID SOUTHWESTERN LINE OF SAID EVANS ROAD SOUTH 60° 15' 00" WEST, 97.31 FEET TO A POINT IN THE NORTHWESTERN LINE OF SAID PARCEL ONE (BOOK 1756, PAGE 76);
THENCE ALONG LAST NAMED LINE NORTH 79° 40' 08" EAST 105.13 FEET TO THE POINT OF BEGINNING.

APN: 029-04-040

Appendix D

Ramboll Environ 2015 Phase I Report

Phase I Environmental Site Assessment and Surface Soil Investigation

1005 North Park Victoria Drive
APN 029-04-040
Milpitas, California

Prepared for:

Robson Homes, LLC
San Jose, CA

Prepared by:
Ramboll Environ US Corportation
Emeryville, CA

Date:
August 18, 2015

Project Number:
03-21676DD

RAMBOLL ENVIRON

Signature and Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR §312.10.

Further, I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Anne W. Gates, P.E.

Ramboll Environ US Corporation
2200 Powell Street, Suite 700
Emeryville, CA

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1 Summary of Conclusions

Ramboll Environ US Corporation (Environ) was retained by Robson Homes, LLC ("Robson Homes") to perform a Phase I Environmental Site Assessment (ESA) and surface soil investigation of the property located at 1005 North Park Victoria Drive in Milpitas, California (herein referred to as the "site" or "property"). Environ's assessment was conducted in connection with the purchase of the property. The ESA described in this report was performed in general conformance with the scope and limitations of the ASTM International's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E-1527-13 (the "ASTM Standard"), as stated in Chapter 2.0 (Introduction). Any exceptions to, or deletions from, this practice are described in Section 7.3 of this report.

1.1 Recognized Environmental Conditions

Environ did not identify any "recognized environmental condition[s]" (REC[s]), as defined by ASTM (see Chapter 2.0), in connection with unrestricted residential use of the property. No further investigation of the site is warranted at this time.

1.2 Other Findings

Although not considered a REC based on currently available information, Environ identified the following other finding:

- **Former Agricultural Use.** Between at least 1939 and the purchase of the site by the current site owner in 1978, the site was used for agricultural purposes including as an apricot orchard. Pesticides may have been used during the period of agricultural use at the site. Shallow soil sampling was conducted by Environ at the site to identify impacts from potential pesticide use. All concentrations of pesticides and metals were less than residential regulatory screening levels (RSLs) with the exception of the sample from location SB04 that reported a concentration of the pesticide dichlorodiphenylethylene (p,p-DDE) slightly above the residential RSL. The low concentration and localized presence of p,p-DDE at location SB04 is not a concern for the site.

De minimis conditions, as defined in Chapter 2.0, along with other site conditions observed during the site visits, are discussed within relevant sections of this report and are summarized in Chapter 7.0.

2 Introduction

2.1 Purpose

Environ was retained by Robson Homes to conduct a Phase I ESA and surface soil investigation of the property located at 1005 North Park Victoria Drive in Milpitas, California (Assessor's Parcel Number [APN] 029-04-040). Environ's assessment was conducted in connection with the purchase of the property. The purpose of the assessment was to identify RECs, which are defined in the ASTM Standard as:

> "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions."

2.2 Scope of the Phase I ESA

Environ completed the following tasks, consistent with the ASTM Standard, during its Phase I ESA of the property:

- Visits to the site by Jason Kane of Environ on June 16 and July 2, 2015 to observe the features of the site and to identify the uses and conditions specified in the ASTM Standard. During the site visit, Environ observed the adjoining properties from the site or adjacent public thoroughfares. Photographs taken during the site visits are presented in Appendix A.
- An interview on June 23, 2015 with Ciema Salem, the daughter of the owner of the site since approximately 1978. Ms. Salem is herein referred to as the "site personnel". The site personnel interviewed by Environ were identified as having good knowledge of the current and historical uses and physical characteristics of the site.
- A review of information contained in federal and state environmental databases, as obtained from the sources noted below:
  - A radius report prepared by Environmental Data Resources, Inc. (EDR) on June 15, 2015 for the site and off-site properties in the vicinity of the site. A copy of the EDR radius report is included as Appendix B. The databases and the radius searched for each database were selected in accordance with the ASTM Standard and are identified in the EDR database report. The dates of the most recent updates of the environmental databases are also listed in the database report.
  - The United States Environmental Protection Agency's (USEPA's) Envirofacts database, which provides site information contained in multiple USEPA regulatory databases.
  - The USEPA's Enforcement and Compliance History Online (ECHO) database, which provides information on sites' enforcement and compliance history.

- The State of California's Regional Water Quality Control Board (RWQCB) Geotracker online database and the California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC) Envirostor online database.

- A review of the EDR Environmental Lien Search Report dated June 19, 2015 to identify environmental liens or activity use limitations (AULs) imposed by judicial authorities with respect to the property.
- A review of standard historical sources (included as Appendix C) and local agency inquiries, as defined in the ASTM Standard. The following resources were reviewed:
  - Readily available historical sources, including (where available) historical topographic maps and aerial photographs, city directories, and Sanborn Maps, to develop a history of the previous uses of the site and surrounding area.
  - Historical and site-specific information obtained from the following local agencies: Santa Clara County Assessor's Office (Assessor), the City of Milpitas Fire Prevention (Fire Prevention), and the City of Milpitas Building Department (Building Department). Environ also requested files from Santa Clara County Environmental Health Department (SCCDEH), Santa Clara Valley Water District (SCVWD), and the City of Milpitas Department of Public Works.
  - A review of electronic files was performed by Environ on June 16, 2015 at the Building Department office.
- A review of physical setting sources, as defined in the ASTM Standard, including:
  - The current USGS 7.5-minute topographic map that shows the area on which the site is located.
  - Geologic, hydrogeologic, or hydrologic sources as provided in the EDR report.
- A review of the *ALTA/ASCM Land Title Survey*, *1005 North Park Victoria Drive, Milpitas, California*, prepared by Civil Engineering Associates (CEA), dated July 22, 2015.
- A review of the geophysical survey report for the site titled *Magnetic Investigation at 1005 North Park Victoria Drive in Milpitas, California*, prepared by JR Associates, June 11, 2015 (included as Appendix D).
- A review of the *Alquist Priolo Special Studies Zone Investigation*, *1005 North Park Victoria Drive, Milpitas, California*, prepared by Geo-Logic Associates, dated July 16, 2015.
- The collection of surface soil samples during the site visit on June 16, 2015.
- ENVIRON provided Robson Homes with a User Questionnaire consistent with Appendix X3 of the ASTM Standard. Pertinent responses, if any, are discussed in the appropriate sections of this report.

This assessment was conducted in accordance with ASTM Standard E1527-13, as agreed upon by Environ and Robson Homes in June 2015. Certain "non-scope considerations," as defined in the ASTM Standard (i.e., asbestos-containing materials [ACM], radon, lead-based paint, mold) are not directly addressed in this Phase I ESA.

2.3 Significant Assumptions

In conducting this review, no significant assumptions were made, except for the following:

- Site-specific field measurements of groundwater gradient are not available. Groundwater flow directions at nearby sites (available in closure documentation for leaking underground storage tank [LUST] cases posted to the RWQCB Geotracker website) indicated a range of groundwater flow directions in the area, ranging from west to south. Based on these measurements and the local topographic gradient (generally to the west-southwest), Environ has assumed that the groundwater flow direction beneath the site is approximately to the southwest. In evaluating potential on-site impacts from off-site sources, those off-site facilities not located adjacent to or within one-quarter mile upgradient of the subject site are not considered to represent a significant concern to the subject site. This interpretation is based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, although a hazardous material can migrate in the groundwater in a generally downgradient direction.

2.4 Reliance and General Limitations

This environmental review has been prepared exclusively without limitation for use by Robson Homes, LLC and affiliated entities including Santa Clara Development Company, Sun Lakes Construction Company of California, and Vesta Real Estate Company Inc., and such other persons or entities whose reliance is explicitly authorized in writing by Environ.

The report is considered current only for a period of 180 days from Environ's most recent site visit which was conducted on July 2, 2015. The conclusions presented in this report represent Environ's best professional judgment based upon the information available and conditions existing as of the date of the review. In performing its assignment, Environ must rely upon publicly available information, information provided by the client, and information provided by third parties. Accordingly, the conclusions in this report are valid only to the extent that the information provided to Environ was accurate and complete. This review is not intended as legal advice, nor is it an exhaustive review of site conditions or facility compliance.

The scope of work for this assessment did not include an asbestos survey or inspection. According to federal OSHA regulations (29 CFR §1910.1001) and the Model Accreditation Plan (MAP; 40 CFR Part 763, Subpart E, Appendix C), the inspection, testing, evaluation, and/or sampling of suspect asbestos-containing materials must be conducted by an accredited inspector; these activities were not performed as part of this environmental review. Comments in this report regarding the condition of building materials at the site, including presumed or suspect ACM, represent only Environ's observations at the time of the site visit and are not intended to be consistent with definitions regarding ACM condition in the Asbestos Hazard Emergency Response Act (AHERA) or in other federal or state asbestos regulations or industry standards.

Other issues considered outside the scope of the ASTM Standard and this review include radon, lead-based paint, lead in drinking water, wetlands, PCBs in building materials, cultural and historic resources, ecological resources, endangered species, and high voltage power lines.

3 Site Description

3.1 Site Setting

The property is approximately 4.85 acres in area and is located in Milpitas, Santa Clara County, California (the "site" or "property"). According to the Santa Clara County Assessor's Office, the APN for the site is 029-04-040. The site is located approximately 1.2 miles northeast of the City of Milpitas Civic Center (Figure 1).

The site is developed with a one-story house and one-story garage. The remaining portion of the site is an open field with scattered trees. An asphalt and gravel driveway connects the site to North Park Victoria Drive in the southeastern portion of the site. There are no on-site surface water bodies.

Table A provides an overview of physical setting and utility information for the site.

Table A: Physical Setting and Utility Information

Conditions	Source	Description
Topography		
Elevation (above mean sea level)	USGS topographic map; Google Earth	Ranging from approximately 32 to 50 feet across the site.
Topographic Gradient	USGS topographic map; visual observations	Gently sloping downward to the west across the site. Regional topography slopes gently downward to the west-southwest toward San Francisco Bay.
Hydrology		
Surface Water Runoff	Visual observations	Storm water from impervious surfaces at and in the vicinity of the house flows to the west and infiltrates into the on-site open field.
Nearest Surface Water Body	USGS topographic map; visual observations	An engineered channel is located approximately 400 feet to the west of the site. Tularcitos Creek is located approximately 0.4 mile east-southeast of site. The engineered channel and Tularcitos Creek joins with other channels and creeks in the San Jose area and ultimately drains to San Francisco Bay, located approximately 8.0 miles west of the site.
Flood Plain	FEMA*; site personnel	Site personnel reported no historical flooding at the site. The site is not located within a 500-year flood zone.
Wetlands	NWI*	There are no federally-designated wetlands on-site or within 0.5 mile of the site.

Table A: Physical Setting and Utility Information

Conditions	Source	Description
Geology and Hydrogeology		
Presumed Direction of Shallow Groundwater Flow	LUST case closure documentation for sites within approximately 1.0 mile of the site, reviewed on RWQCB Geotracker online database	Site-specific field measurements of groundwater gradient are not available. Groundwater flow directions at nearby sites (available in closure documentation for LUST cases posted to the RWQCB Geotracker website) indicated a range of groundwater flow directions in the area, ranging from west to south. Based on these measurements and the local topographic gradient (generally to the west-southwest), Environ has assumed that the groundwater flow direction beneath the site is approximately to the southwest.
Depth to Groundwater	1984 geotechnical investigation conducted adjacent to the south of the site and 2006 groundwater monitoring report for a site located approximately 0.2 mile southwest of the site, reviewed on RWQCB Geotracker online database	A 1984 geotechnical investigation conducted adjacent to the south of the site reported depth to groundwater to be approximately 14 feet below ground surface (bgs). Groundwater monitoring reports for a former LUST cleanup site located approximately 0.2 mile from the site indicate historical groundwater levels ranged between approximately 18 and 20 feet above mean sea level. Based on the site ground surface elevations ranging between approximately 32 to 50 feet above mean sea level across the site, depth to groundwater at the site likely ranges between 12 and 30 feet bgs.
On-site Wells	Site personnel; visual observations	There are no on-site monitoring wells.
Nearest Groundwater Supply Wells	EDR database report	No state-registered, federally-registered, and/or public water-supply wells are present within one mile of the site.
Geologic Conditions	2015 geotechnical investigation at the site; EDR database report	Environ observed the sidewalls of an approximately 3-feet wide, 12-feet deep trench during a geotechnical investigation conducted at the site in June 2015 by Geo-Logic Associates on behalf of Robson Homes. Silts and clays were observed on the sidewalls of the trench down to a depth of approximately 12 feet bgs. The EDR physical setting report indicates that surface soil types in the area consist of silty clays. Underlying sediments are reported to be silty clay loams and weathered bedrock.
Site Utility Information		
Electricity Supplier	Site personnel	Pacific Gas & Electric (PG&E)
Natural Gas Supplier	Site personnel	PG&E
Use of Fuel Oil for Building Heat	Site owner; site personnel	No current or former use of fuel oil reported.
Water Supplier	Site personnel	City of Milpitas Public Works Department

Table A: Physical Setting and Utility Information

Conditions	Source	Description
Sanitary Sewer	Site personnel	City of Milpitas Public Works Department
Septic Systems	Site owner; site personnel	Site personnel reported there may be an out-of service wooden septic tank at an unknown location at the property.

Notes:
FEMA = Federal Emergency Management Agency; NCCS = National Cooperative Soil Survey ; NWI = National Wetlands Inventory
* - Source was provided in the EDR database report.

3.2 Current Use of Property

The property is approximately 4.85 acres and developed with a one-story house and one-story garage. Both the on-site house and garage have been abandoned with boarded windows and doors since approximately 1995. The remaining portion of the site is open field with scattered trees.

3.3 Current Uses of Adjoining Properties

The site is located in a residential land use area. Based on discussions with site personnel, Environ's visual observations from the property boundary and public rights-of-way, and a limited review of publicly available information, a general determination of the current use of adjacent properties was developed, as described in Table B.

Table B: Current Use of Adjacent Properties

Direction	Property/Land Use	Environ's Observations
North, west, and south	Residential, located across Creed and Rankin Streets.	No apparent exterior manufacturing or chemical storage operations were observed. Residential areas consist of single family homes. No concerns were noted.
East	Residential and vacant lot located across North Park Victoria Drive.	No apparent exterior manufacturing or chemical storage operations were observed. Residential areas consist of single family homes. No concerns were noted.

Notes:
During the site visit, Environ walked or drove by the borders of these properties that are shared with the subject site. Environ did not enter the neighboring properties.

4 Review of Public Records and Other Information Sources

4.1 Environmental Regulatory Database Review

Environ contracted with EDR to prepare a summary of listings in federal and state agency databases within applicable radii of the site as specified by the ASTM standard.[1] A copy of the EDR report, dated June 15, 2015, is presented in Appendix B.

4.1.1 Database Review for Site

Environ reviewed the results of the state and federal environmental database searches performed by EDR (see Appendix B) and also searched the Geotracker and Envirostor databases. The site was not listed on any of the databases searched.

4.1.2 Database Review for Adjoining Properties

Environ's analysis of adjoining properties was based on observations made during the site reconnaissance (as discussed in Table B) and location information for off-site listings as presented in the EDR report. The discussion of adjoining sites does not include listings for certain databases that are (by themselves) not necessarily indicative of a contamination concern (e.g., compliance listings beyond those specified in Section 8.2.1 of the ASTM Standard). Also, for purposes of this analysis, Environ considers "adjoining" properties to be immediately adjacent, even if separated by a road or other physical barrier.

- **Fox Hollow Development.** The Fox Hollow residential development is located adjacent to the south of the site and is listed on the Fuel Leak Site Activity Report (HIST LUST), Geotracker's Leaking Underground Fuel Tank Report (LUST), and Hazardous Waste & Substance Site List (HIST CORTESE) databases. According to documentation reviewed on the RWQCB Geotracker online database, two 500-gallon gasoline USTs were removed from the Fox Hollow development in May 1988. The USTs were reportedly used for the refuelling of farm equipment, as the Fox Hollow development was historically used for agricultural purposes. One of the Fox Hollow USTs was approximately located southeast of the site under what is currently the intersection of Fox Hollow Court and North Park Victoria Drive. The second Fox Hollow UST was approximately located in the lot of the current off-site residence that is adjacent to the on-site garage structure. The removal of the USTs and associated piping was conducted under the oversight of the Milpitas Fire Department. The USTs were observed to be in good condition upon removal with no holes or corrosion reported. No odor or visual indication of a release was observed in the bottom of the tank excavation pits. Soil samples were collected from the bottoms of the excavation pits at a depth of approximately 6 feet bgs and analyzed for total petroleum hydrocarbons in the gasoline range (TPH-g) and benzene, toluene, ethylbenzene, and xylene (BTEX). All concentrations were less than laboratory reporting limits with the exception of TPH-g and xylene, reported to be 5.9 and 0.15 parts per million (ppm), respectively, in a base confirmation sample from the former UST located in the lot of the

[1] EDR uses the term "radii" to refer to the ASTM terminology "approximate minimum search distance" in the environmental database report.

current off-site residence that is adjacent to the on-site garage structure. Based on the very low concentrations of TPH-g and xylene reported in only one of the confirmation samples and the presence of silty clay between the base of the former UST and underlying groundwater (reportedly 14 feet bgs), the case was recommended for closure by SCVWD on May 7, 1991 and granted closure by RWQCB on May 29, 1991. The Fox Hollow Development is not of concern to the subject site.

4.1.3 Database Review for Non-Adjoining Properties

There are several listings in the EDR database report for off-site non-adjoining properties. A summary of the pertinent listings is provided below. As noted in Table A, shallow groundwater beneath the site likely flows to the southwest. Within this section, Environ did not discuss certain listings for off-site non-adjoining properties that are (by themselves) not necessarily indicative of a contamination concern (e.g., hazardous waste generators, registered storage tanks, compliance listings). Also, Environ did not discuss herein any off-site non-adjoining property that is listed on a database indicative of a contamination concern but for which regulatory closure has been issued, as the issuance of regulatory closure suggests that impacts to the subject site from the noted off-site property are unlikely. Finally, Environ did not discuss herein any off-site non-adjoining property that is presumed to be downgradient or crossgradient of the subject site. This analysis was based on the assumption that a hazardous material released to the subsurface generally does not migrate laterally within the unsaturated soil for a significant distance, but a hazardous material can migrate in the groundwater in a generally downgradient direction; however, the direction of groundwater flow may be affected by localized topographic, hydraulic, and hydrogeologic conditions.

- **Summitpointe Golf Club.** The Summitpointe Golf Club, also known as the Tularcitos Golf and Country Club, is located at 1200 Country Club Drive in Milpitas, California, approximately 0.5 mile to the east-northeast of the site. The property is listed on the Historical Substance Storage Container Database (HIST UST), Facility Inventory Database (CA FID UST), HIST CORTESE, LUST, Fuel Leak Lists (LUST REG 2), LUST SANTA CLARA, Fuel Leak Site Activity Report (HIST LUST SANTA CLARA), CUPA Facility List (CUPA SANTA CLARA), and Statewide Environmental Evaluation and Planning System Listing System (SWEEPS UST) databases. The listings refer to a closed underground fuel leak case. In April 1994, a 6,000-gallon gasoline UST, 2,000-gallon gasoline UST, 1,000-gallon diesel UST, and associated piping were removed from the property. Soil and groundwater sampling in the vicinity of the removed USTs indicated gasoline and diesel contamination. Approximately 200 cubic yards of soil was over-excavated and confirmation samples of the excavation reported concentrations of 38 ppm as TPH-g in soil and 250 parts per billion (ppb) as TPH in the diesel range (TPH-d) in grab groundwater. In December 2002, a monitoring well located adjacent to the former USTs was sampled by Environ and analyzed for TPH-g and BTEX. No constituents were reported above laboratory reporting limits. The Golf Club property was granted case closure by SCCDEH in July 2008 and is not of concern to the subject site.

4.2 Historical Uses of the Site and Adjacent Sites

4.2.1 Past Uses of the Site

The site was historically used for agricultural purposes, including as an apricot orchard. The residence was constructed at the site in approximately 1953. The current owner, Hooshang Salem, purchased the site in 1978, at which time agricultural operations ceased. Mr. Salem rented the site to various tenants who used the site for residential purposes until approximately 1995, when the house and adjacent garage were boarded to prevent vandalism.

A summary of Environ's key observations from the available historical sources is presented in Table C.

Table C: Summary of Key Observations from Historical Sources for the Subject Site

Historical Source	Key Observations Regarding Site History
Aerial Photographs and Satellite Imagery[1] (1939, 1940, 1948, 1950, 1956, 1966, 1968, 1974, 1979, 1982, 1993, 1998, 2000, 2002 – 2014)	Early photographs show the site as an orchard until the 1982 photograph, at which time the orchard has been converted to open field. The current residence first appears in the 1966 photograph. The current garage and an additional structure that is no longer present at the site first appear in the 1974 photograph. No concerns are noted.
Topographic Maps (1899, 1953, 1961, 1968, 1973, 1980)	Development is first depicted in the vicinity of the site in 1961. No concerns are noted.
City Directory Abstracts (1985, 1991, 1996, 2000, 2006)	The occupant of 1005 North Park Victoria Drive is listed as John Robinson in 1985, Courtesy Fence in 1991, Larry Muller in 1996 and 2000, and vacant in 2006.

[1] In addition to aerial photographs provided by EDR, Environ viewed historical satellite imagery provided via Google Earth. Printed copies were not obtained, and imagery dates were not independently verified.

EDR reported that Sanborn fire insurance coverage is not available for the site.

4.2.2 Past Uses of Adjacent Sites

The adjacent properties were used for agricultural purposes, including orchards, dating back to at least 1939. Based on a review of aerial photographs, residential development first appears adjacent to west of the site in 1979. In the 1993 aerial photograph, residential development is present to the south and east of the site.

4.3 Review of Local and State Agency Information

Environ visited or otherwise contacted local governmental agencies and regulatory bodies for information relating to the site. An overview of the findings of this review is presented in Table D.

Table D: Local Agency Information for the Site

Agency Contacted / Document Reviewed	Information Obtained
Santa Clara County Tax Assessor	Documents reviewed online using the Santa Clara County Tax Assessor's website included assessment roll information and a tax map. The map indicates that the APN for the site is 029-04-040.
City of Milpitas Fire Prevention	Environ attempted to review available public records maintained in an online database by the City of Milpitas Fire Prevention. No files were available for the site.
City of Milpitas Building Department	Environ reviewed one available file through the City of Milpitas Building Department online database related to the removal of an on-site structure in 2008 that had been destroyed by a fire.
Santa Clara County Department of Environmental Health (SCCDEH)	Environ requested records from SCCDEH for information regarding soil or groundwater investigations, USTs, LUSTs, hazardous materials inspections, or violations/permits for the property. Environ was informed that no records were found for the site. Environ also searched SCCDEH's online database of LUST, solvent release, and cleanup cases. The database contained no records for the site.
Santa Clara Valley Water District (SCVWD)	Environ requested records from the Santa Clara Valley Water District and was referred to the SCVWD online database of solvent files prior to 2004, at which time local agency oversight was transferred to the Department of Environmental Health. No records related to the site address were found on the online database.

4.3.1 Interviews with Site Owner and Site Personnel

Environ conducted an interview on June 23, 2015 with Ciema Salem, the daughter of the owner of the site, Hooshang Salem. Mr. Salem has owned the site since approximately 1978, although he has never lived at the site. At the time the site was purchased, the field was planted with an apricot orchard. Agricultural operations ceased upon Mr. Salem's purchase of the site and the residence was subsequently rented by various tenants and used for residential purposes until approximately 1995. From approximately 1995 to the present, the site has remained vacant and has been the subject of multiple vandalism events including graffiti and fires. Due to repeated events of vandalism, the windows and doors of the residence and garage at the site are currently boarded to prevent further vandalism.

4.4 Environmental Lien Record Search

A review of EDR Environmental Lien Search Report dated June 19, 2015 to identify environmental liens or activity use limitations (AULs) imposed by judicial authorities with respect to the property. No environmental liens or AULs were found.

4.5 Previous Environmental Assessments and Activities

Environ and site personnel are not aware of any previous environmental site assessments conducted at the site.

4.6 User-Provided Information

Environ provided Robson Homes with a User Questionnaire (consistent with Appendix X3 of the ASTM Standard) that requested information relating to environmental liens, AULs, specialized knowledge of the property, property value diminution, chain-of-title, or any other commonly known or obvious indications of site contamination, that was not otherwise provided to Environ. Pertinent responses, if any, are discussed in the appropriate sections of this report.

5 Site Reconnaissance

5.1 Methodology and Limiting Conditions

Jason Kane of Environ conducted site reconnaissance visits on June 16 and July 2, 2015. During the site visits, observations of the site were made to evaluate if any RECs, as defined in Chapter 2, are present.

5.2 General Site Setting and Observations

Environ made observations during the site visits concerning all of the interior and exterior issues specified in Sections 9.4.2 through 9.4.4 of the ASTM E1527-13 Standard. The presence or absence of each issue of environmental interest or concern is noted in Table E. Only those areas of environmental interest or concern that were observed at the site are discussed further in the text below.

Table E: Summary of Site Reconnaissance Observations

Issue	ASTM Section	Observation
Interior and Exterior Issues		
Current use(s) of the property	9.4.2.1	See Section 3.2
Past use(s) of the property	9.4.2.2	See Section 3.2 and 4.2
Hazardous substances and petroleum products used, treated, stored, disposed of, or generated on the property in connection with identified present or past uses	9.4.2.3	**Historically Present** (see Section 5.2.1)
Storage tanks: Underground storage tanks (fill ports, vent pipes, manholes) Aboveground storage tanks (ASTs)	9.4.2.4	**Present** (see Section 5.2.2)
Odors (strong, pungent or noxious)	9.4.2.5	Absent
Pools of liquid, standing surface water or sumps	9.4.2.6	Absent
Drums of hazardous substances or petroleum products (for example, five-gallon, 55-gallon or totes)	9.4.2.7	Absent
Hazardous substance and petroleum product containers (not necessarily in connection with identified uses)	9.4.2.8	Absent
Unidentified substance containers suspected of containing hazardous substances or petroleum products	9.4.2.9	Absent
Polychlorinated biphenyls (PCBs) Electrical equipment on-site (e.g., transformers, capacitors) Electrical equipment known or likely to contain PCBs Hydraulic equipment on-site (e.g., elevators, truck dock lifts) Hydraulic equipment known or likely to contain PCBs	9.4.2.10	Absent

Table E: Summary of Site Reconnaissance Observations

Issue	ASTM Section	Observation
Interior Issues		
Heating/cooling systems	9.4.3.1	Absent
Stains or corrosion on interior floors, walls or ceilings (except for staining from water)	9.4.3.2	Absent
Floor drains and interior sumps	9.4.3.3	Absent
Exterior Issues		
Pits, ponds or lagoons on property or adjacent sites	9.4.4.1	Absent
Stained soil or pavement	9.4.4.2	Absent
Stressed vegetation (from other than insufficient water)	9.4.4.3	Absent
On-site solid waste disposal; areas apparently filled or graded by non-natural causes; or mounds or depressions suggesting solid waste disposal	9.4.4.4	Absent
Wastewater or other liquid (including storm water) or any discharge into a drain, ditch, underground injection system or stream on or adjacent to the property	9.4.4.5	Absent
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells)	9.4.4.6	Absent
Septic systems or cesspools	9.4.4.7	**Potentially Present** (see Section 5.2.3)

Notes:
Observations noted in this table and discussed further below are based on information obtained during the site visits and from a review of the sources summarized in Chapter 4.
See the ASTM Standard for a detailed description of the issues included in each referenced ASTM section.
Per the ASTM Standard, fluorescent light ballasts likely to contain PCBs do not need to be noted.

5.2.1 Hazardous Substances and Petroleum Products

From at least 1939 until the site was purchased by the current site owner in 1978, the site was used for agricultural purposes including as an apricot orchard. Pesticides may have been used during the period of agricultural use at the site. Surface soil sampling was conducted at the site to identify impacts from potential pesticide use at the site, as discussed in Section 6.

5.2.2 Aboveground Storage Tank

An abandoned aboveground storage tank is located on the eastern portion of the site. The metal tank is approximately 400 gallons in volume and appears to be a former hot water storage tank. Site personnel did not report knowing of the use or origin of the tank. No staining or indication of a release was observed in the vicinity of the tank. Shallow soil sampling was conducted in the immediate vicinity of the tank to identify any potential impacts from the tank, as discussed in Section 6. The abandoned tank is not considered to be a concern for the site.

5.2.3 Septic Tank

Site personnel reported an underground wooden septic tank formerly used by the site may be located in the vicinity of the house. The exact location of the septic tank is not known. The wooden underground septic tank is not considered to be a concern for the site.

6 Soil Sampling and Analysis

Environ conducted surface soil sampling at the site on June 16, 2015. Figure 2 shows the locations of the soil samples and Tables 1 through 4 summarize the results of soil sample analyses.

6.1 Pre-Field Activities

Environ prepared a site-specific health and safety plan (HASP) and contracted with McCampbell Analytical Inc (MAI) to perform laboratory analytical services.

6.2 Collection of Soil Samples for Chemical Analysis

On June 16, 2015, soil samples were collected for chemical analyses at locations SB01 through SB08 (see Figure 2). At all locations a soil boring was advanced to a depth of approximately 6 inches bgs using a hand auger. Soil borings SB01, SB06, SB07, and SB08 were located in the open field to identify potential impacts from former agricultural operations at the site. Soil borings SB02, SB03, and SB04 were located in the vicinity of the residence and garage. Soil boring SB05 was located adjacent to the abandoned aboveground storage tank located on the eastern portion of the site. As discussed in Section 5.2.2, the tank was likely used as a hot water storage tank.

All soil samples were collected in laboratory-provided glass jars, labeled, placed in doubled zip-closure bags, and stored on ice in an insulated cooler. Samples were transported to McCampbell Analytical Inc. with chain-of-custody documentation for chemical analysis on a five-day turnaround. All soil samples were analyzed for CAM17 metals by Environmental Protection Agency (EPA) Method 6020, OCPs by EPA Method 8081A, and PCBs by EPA Method 8082. Sample SB05 was also analyzed for TPH (gasoline, diesel, motor oil ranges) by EPA Method 8015B.

6.3 Collection of Samples for Naturally Occurring Asbestos Analysis

Samples were also collected from gravel baserock at locations SB02, SB03, and SB04. The samples were placed in double zip-closure bags and transported to MAI with chain-of-custody documentation for chemical analysis on a standard 5-day turnaround where they were composited into one three-point composite sample and analyzed for naturally-occurring asbestos (NOA) by California Air Resources Board (CARB) Method 435.

6.4 Soil Analytical Results – Chemical Analyses

Sample analytical results for metals indicated that metal concentrations in all samples are below Cal-Modified or USEPA Regional Screening Levels (RSLs) for residential land use or, in the case of arsenic, consistent with typical naturally-occurring concentrations. Analytical results for metals are summarized in Table 1. The laboratory analytical report is provided in Appendix E.

Sample analytical results for OCPs indicated that low concentrations of pesticides are present at the site. Only the sample collected from SB04 reported a pesticide concentration above the residential RSL. The concentration of dichlorodiphenylethylene (p,p-DDE) at SB04 was 1.9 milligrams per kilogram (mg/kg), slightly above the residential RSL of 1.6 mg/kg. The low

concentration and localized presence of p,p-DDE at location SB04 is not considered a concern for the site. Concentrations of PCBs were not detected above laboratory screening levels. Analytical results for OCPs are summarized in Table 2. The laboratory analytical report is provided in Appendix E.

Concentrations of TPH as gasoline, diesel, and motor oil in sample SB05 were slightly above laboratory reporting limits but well below residential RSLs. Analytical results of TPH are summarized in Table 3. The laboratory analytical report is provided in Appendix E.

6.5 Soil Analytical Results – NOA Analyses

One (1) three-point composite soil sample was collected and submitted for NOA analysis, as described in Section 6.3. The results of the analysis indicated asbestos was not detected in the composite sample. Analytical results for NOA are provided in Table 4. The laboratory analytical report is provided in Appendix E.

6.6 Geophysical Investigation and Potholing Activities

A geophysical survey of the site was performed by JR Associates Inc. in June 2015. The purpose of the investigation was to look for geophysical indications of buried metal objects. The results of the survey indicated multiple locations across the site had subsurface metallic anomalies. On June 16, 2015 Robson Homes' contractor, Geo-Logic Associates, used an excavator to uncover the subsurface metallic anomalies. All anomalies were observed by Environ to be remnants of former fence posts and barb wire. Due to the benign nature of the uncovered fencing materials, Environ did not collect any soil samples associated with the metallic anomalies.

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7 Findings, Opinion, and Conclusions

Environ has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13, as well as a shallow soil investigation, at the property located at 1005 North Park Victoria Drive in Milpitas, California. Any exceptions to, or deletions from, this practice are described in Section 7.3.

7.1 Findings and Opinion

7.1.1 Recognized Environmental Conditions

Environ did not identify any "recognized environmental condition[s]" (REC[s]), as defined by ASTM (see Chapter 2.0), in connection with unrestricted residential use of the property. No further investigation of the site is warranted at this time.

7.1.2 Other Findings

Environ identified the following additional finding that is not considered RECs based on available information:

- **Former Agricultural Use.** Between at least 1939 and the purchase of the site by the current site owner in 1978, the site was used for agricultural purposes including as an apricot orchard. Pesticides may have been used during the period of agricultural use at the site. Shallow soil sampling was conducted by Environ at the site to identify impacts from potential pesticide use. All concentrations of pesticides and metals were less than residential RSLs with the exception of the sample from location SB04 that reported a concentration of the pesticide p,p-DDE slightly above the residential RSL. The low concentration and localized presence of p,p-DDE at location SB04 is not a concern for the site.

7.1.3 *De Minimis* Conditions

De minimis conditions are those that do not represent a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies. Environ did not identify any *de minimis* conditions during the course of this assessment.

7.2 Conclusions

Environ has performed this Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13, of the property located at 1005 North Park Victoria Drive in Milpitas, California. Any exceptions to, or deletions from, this practice are described in Section 7.3 of this report. This assessment has revealed evidence of no recognized environmental conditions at the site.

7.3 Analysis of Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental

professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. Limiting conditions and deviations to the ASTM Standard for the assessment are discussed below.

- Due to the extended age of the site, it was not possible to interview representatives who have detailed knowledge of the agricultural operations at the site prior to 1978 when the site was purchased by the current owner.

None of the exceptions, deletions, deviations, or site reconnaissance limitations noted above are considered to represent significant data gaps.

8 References

8.1 Documents

Civil Engineering Associates (CEA). 2015. *ALTA/ACSM Land Title Survey, 1005 N. Park Victoria, Milpitas, California*. July 22.

EDR. 2015. *Aerial Photo Decade Package: Inquiry Number 4325114.12.* June 16.

EDR. 2015. *City Directory, Abstract, Inquiry Number 4325114.5*. June 29.

EDR. 2015. *Environmental Lien Search, Inquiry Number 4325114.7R*. June 19.

EDR. 2015. *Historical Topographic Map Report, Inquiry Number 4325114.4*. June 15.

EDR. 2015. *Radius Map, Inquiry Number: 04325114.2r*. June 15.

EDR. 2015. *Sanborn® Map Report, Inquiry Number 4325114.3.* June 15.

First American Title Company. 2015. *Property Report, 1005 North Park Victoria Drive, Milpitas, California.* May 27.

Geo-Logic Associates. 2015. *Alquist Priolo Special Studies Zone Investigation, 1005 North Park Victoria Drive, Milpitas, California*. July 16.

JR Associates. 2015. *Magnetic Investigation at 1005 North Park Victoria Drive, Milpitas, California.* June 11.

8.2 Interviews

Ciema Salem. Site Personnel. 2015. Telephone interview. June 23.

Tables

Table 1: Metals in Soil Samples
Results of Soil Sampling
1005 North Park Victoria, Milpitas, California

Sample ID	Sample Depth (feet bgs)	Sample Date	Antimony	Arsenic*	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
SB01_0.5	0.5	6/16/2015	**0.58**	**5.5**	**170**	**0.53**	**0.26**	**37**	**9.8**	**26**	**17**	**0.078**	**1.3**	**37**	ND<0.50	ND<0.50	ND<0.50	**45**	**59**
SB02_0.5	0.5	6/16/2015	**0.70**	**6.4**	**190**	**0.6**	**0.50**	**51**	**10**	**42**	**22**	**0.10**	**1.1**	**52**	ND<0.50	ND<0.50	ND<0.50	**51**	**87**
SB03_0.5	0.5	6/16/2015	**0.81**	**8.4**	**250**	**0.59**	**0.36**	**56**	**12**	**55**	**19**	**0.050**	**4.0**	**63**	ND<0.50	ND<0.50	ND<0.50	**63**	**77**
SB04_0.5	0.5	6/16/2015	**1.1**	**7.4**	**230**	**0.61**	**1.1**	**56**	**13**	**79**	**57**	**0.23**	**1.4**	**81**	ND<0.50	ND<0.50	ND<0.50	**58**	**130**
SB05_0.5	0.5	6/16/2015	**0.76**	**9.0**	**220**	**0.59**	**0.48**	**47**	**12**	**98**	**33**	**0.071**	**1.3**	**46**	ND<0.50	ND<0.50	ND<0.50	**58**	**69**
SB06_0.5	0.5	6/16/2015	ND<0.50	**5.5**	**150**	ND<0.50	ND<0.25	**33**	**11**	**27**	**13**	ND<0.050	**1.3**	**31**	ND<0.50	ND<0.50	ND<0.50	**44**	**37**
SB07_0.5	0.5	6/16/2015	**0.59**	**6.5**	**210**	**0.52**	**0.31**	**43**	**12**	**50**	**18**	**0.078**	**1.3**	**43**	ND<0.50	ND<0.50	ND<0.50	**56**	**50**
SB08_0.5	0.5	6/16/2015	**0.63**	**6.3**	**210**	**0.59**	**0.31**	**51**	**13**	**29**	**18**	**0.093**	**0.98**	**51**	ND<0.50	ND<0.50	ND<0.50	**58**	**55**
Industrial/Commercial RSL			470	3.0	220,000	180[1]	6.4[1]	1,800,000[2]	350	47,000	320[1]	40	5,800	22,000	5,800	5,800	12	5,800	350,000
Residential RSL			31	0.67	15,000	15[1]	4.6[1]	120,000[2]	23	3,100	80[1]	9.4	390	1,500	390	390	0.78	390	23,000

Notes:
Detected compounds are shown in **bold**.
All data are reported in milligrams per kilogram (mg/kg), unless noted otherwise
*Arsenic is naturally-occurring in soil at concentrations up to 20 mg/kg.

California Assessment Manual 17 (CAM17) metals analyzed by EPA Method 6020

[1] DTSC HHRA Note 3 value. July 14, 2014

[2] RSLs reported for chromium(III), insoluble salts
bgs = below ground surface
DTSC = Department of Toxic Substances Control
HHRA = Human Health Risk Assessment
ND = not detected at or above the laboratory reporting limit shown
RSL = regional screening level
Source : USEPA Screening Levels for Chemical Contaminants, January 2015 update. Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1).

Table 2: Organochlorine Pesticides Detected in Soil Samples
Results of Soil Sampling
1005 North Park Victoria, Milpitas, California

Sample ID	Sample Depth (feet bgs)	Sample Date	Chlordane (technical)	a-Chlordane	g-Chlordane	p,p-DDD	p,p-DDE	p,p-DDT	Dieldrin
SB01_0.5	0.5	6/16/2015	ND<0.025	**0.0011**	ND<0.0010	**0.0027**	**0.16**	**0.0092**	ND<0.0010
SB02_0.5	0.5	6/16/2015	ND<1.2	ND<0.050	ND<0.050	**0.051**	**0.40**	**0.19**	ND<0.050
SB03_0.5	0.5	6/16/2015	ND<0.25	**0.0042**	**0.0019**	**0.0083**	**0.41**	**0.045**	ND<0.0010
SB04_0.5	0.5	6/16/2015	**0.58**	**0.072**	**0.063**	**0.16**	**1.9**	**1.4**	ND<0.020
SB05_0.5	0.5	6/16/2015	**0.69**	**0.097**	**0.064**	**0.031**	**1.2**	**0.25**	ND<0.010
SB06_0.5	0.5	6/16/2015	ND<0.025	ND<0.0010	ND<0.0010	**0.0025**	**0.12**	**0.0042**	ND<0.0010
SB07_0.5	0.5	6/16/2015	**0.052**	**0.011**	**0.0035**	**0.013**	**0.59**	**0.050**	**0.0015**
SB08_0.5	0.5	6/16/2015	ND<0.25	ND<0.010	ND<0.010	ND<0.010	**0.051**	ND<0.010	ND<0.010
Industrial/Commercial RSL			8.0	8.0	8.0	9.6	6.8	8.6	0.14
Residential RSL			1.8	1.8	1.8	2.2	1.6	1.9	0.033

Notes:
*Analysis for PCBs reported no concentrations above analytical reporting limits.

Only compounds detected above the laboratory reporting limit are included in the table.
Detected compounds are shown in **bold**.
All data are reported in milligrams per kilogram (mg/kg).
Blue shading denotes detection above regulatory screening criteria or typical background concentration.

Organochlorine pesticides (OCPs) analyzed by EPA Method 8081A
Polychlorinated biphenyls (PCBs) analyzed by EPA Method 8082

bgs = below ground surface
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenylethylene
DDT = dichlorodiphenyltrichloroethane
EPA = Environmental Protection Agency
ND = not detected at or above the laboratory reporting limit shown
PCB = polychlorinated biphenyls
RSL = regional screening level
Source : USEPA Screening Levels for Chemical Contaminants, January 2015 update. Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1).

Table 3: Total Petroleum Hydrocarbons in Soil Samples
Results of Soil Sampling
1005 North Park Victoria, Milpitas, California

Sample ID	Sample Depth (feet bgs)	Sample Date	TPH-G	TPH-D	TPH-MO
SB05_0.5	0.5	6/16/2015	**2.3**	**1.6**	**7.4**
Commercial/Industrial RSL			420	440	33,000
Residential RSL			82	96	2,500

Notes:
Detected compounds are shown in **bold**.
All data are reported in milligrams per kilogram (mg/kg).

Total Petroleum Hydrocarbons analyzed by EPA Method 8015B

bgs = below ground surface
EPA = Environmental Protection Agency

RSL = regional screening level
Source : USEPA Screening Levels for Chemical Contaminants, January 2015 update. Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1).
ND = not detected at or above the laboratory reporting limit shown
TPH-G = Total Petroleum Hydrocarbons as Gasoline (C6-C12)
TPH-D = Total Petroleum Hydrocarbons as Diesel (C10-C23)
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil (C18-C36)

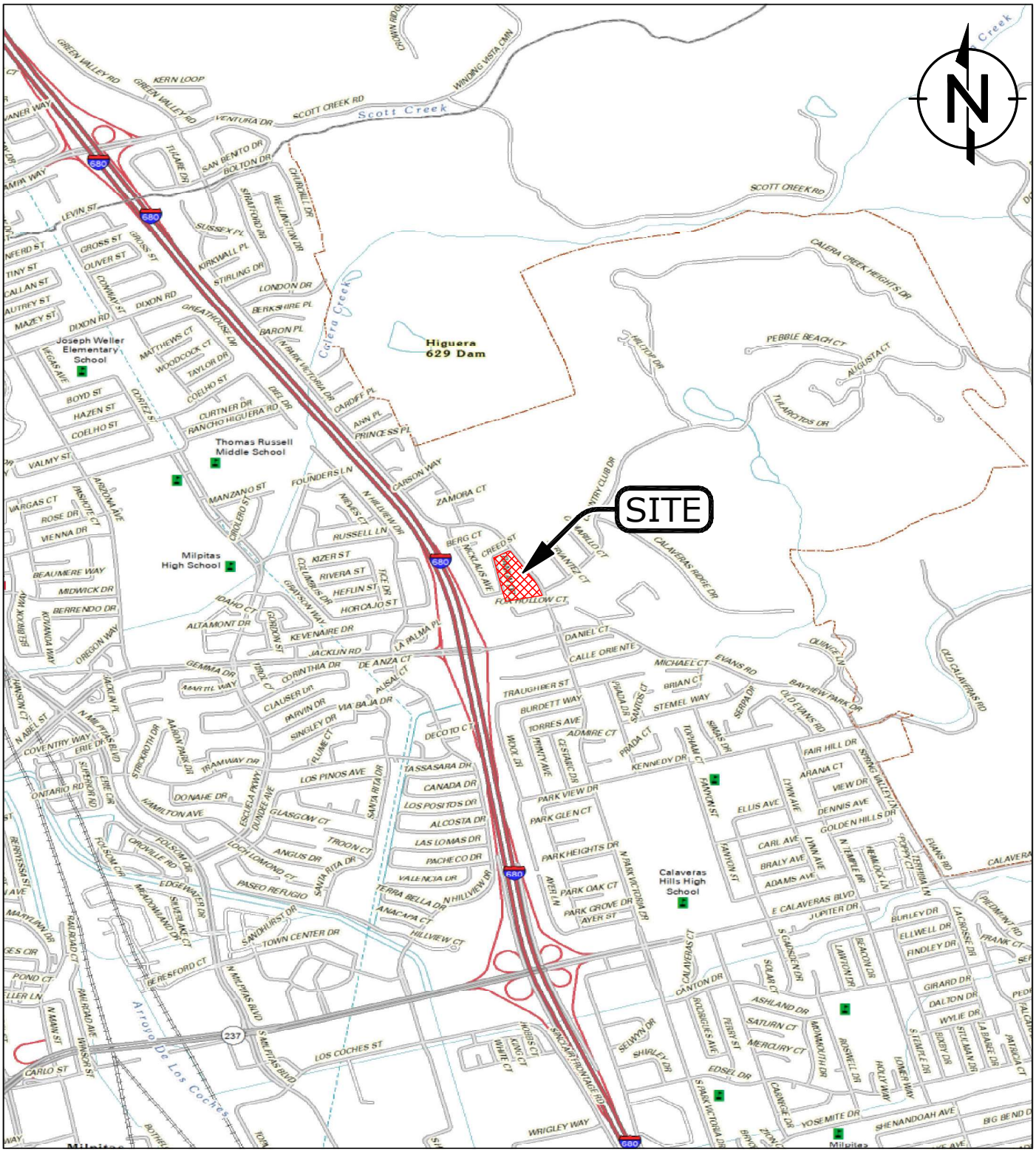
Table 4: Natural Occurring Asbestos in Soil Samples
Results of Soil Sampling
1005 North Park Victoria, Milpitas, California

Location ID	Composite Sample ID	Sample Date	Percent Estimate in Matrix	Asbestos Type(s) Detected
SB02	SB020304_NOA	6/16/2015	**ND**	**ND**
SB03				
SB04				

Notes:
NOA analyzed by CARB Method 435

CARB 435 = California Air Resources Board Method 435; June 6, 1991.
ID = identification
ND = not detected
NOA = naturally occurring asbestos

Figures



LEGEND:

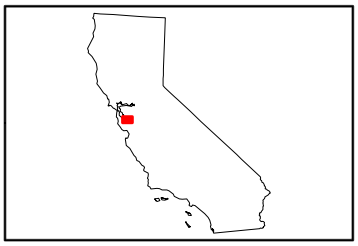
PROPERTY BOUNDARY

0 0.5 1
SCALE IN MILES

0 2,000 4,000 6,000
SCALE IN FEET

NOTES:
CONTOUR INTERVAL 20 FEET

SOURCE: USGS TNM - National Structures Dataset; USGS TNM - National Transportation Dataset; TomTom Commercial Roads; U.S. Census Bureau - TIGER/Line; USGS TNM - National Boundaries Dataset; USGS TNM - Geographic Names Information System; USGS TNM - National Hydrography Dataset



QUADRANGLE KEY MAP

RAMBOLL ENVIRON

Site Layout
1005 North Park Victoria Drive
Milpitas, California

FIGURE
856

DRAFTED BY: RS
DATE: 6/29/2015
PROJECT: 03-21676DD

Q:\DRAWINGS\03216676dd\03216676dd-locmap.mxd

RAMBOLL ENVIRON

Site Layout
1005 North Park Victoria Drive
Milpitas, California

FIGURE
857

DRAFTED BY: RS
DATE: 6/29/2015
03-21676DD

Q:\DRAWINGS\03216676dd\03216676dd-layout-2.mxd

Appendix E

JR Associates Magnetic Investigation Report

J R ASSOCIATES

Engineering Geophysics
1886 Emory Street
San Jose, CA 95126
(408) 293-7390

MAGNETIC INVESTIGATION AT 1005 NORTH PARK VICTORIA DRIVE MILPITAS, CALIFORNIA

June 11, 2015

For

Robson Homes, LLC
2185 The Alameda
San Jose, California 95126

By

James Rezowalli, GP-921

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Drawing 1 Vicinity Map

Drawing 2 Magnetic Contour Map

I INTRODUCTION

This report presents the results of a geophysical investigation performed at 1005 North Victoria Drive in Milpitas, California. The investigation was performed for Robson Homes, LLC, by J R Associates. The purpose of the investigation was to look for geophysical indications of buried metal objects. James Rezowalli, Principal Geophysicist, and Brian Rezowalli, Technician, of J R Associates performed the field work in June of 2015.

A. Site

The site is at the corner of North Park Victoria Drive and Creed Street in Milpitas, California (Drawing 1). The site is approximately 4.85 acres and consists of a large dirt lot with a small house in one corner. Fences surround two sides of the site and we saw an abandoned fuel storage tank filled with concrete laying on the ground surface under a tree. The purpose of our magnetic investigation was to look for geophysical indications of buried metal objects. Encountering buried objects like old tanks, buried trash, and old wells can hinder future redevelopment. Encountering unexpected buried objects can slow reconstruction and add to its cost.

II METHODS

We performed a magnetic investigation at the property. A magnetic investigation maps the earth's vertical magnetic gradient. The magnetic gradient is uniform throughout a site free of metal. The magnetic gradient at a site that contains ferrous metal is not uniform. Metal objects produce magnetic anomalies with characteristic shapes and magnitudes. For example, an anomaly caused by a buried fuel storage tank is characterized by a strong magnetic low just south of the center of the tank and a weaker magnetic high just north of the tank. This type of anomaly is what we use to locate buried fuel storage tanks.

A. Magnetic Instrumentation

We used a Geometrics model 858 cesium vapor magnetometer to collect magnetic data at the site. The magnetometer had two sensors and an electronics package. The magnetometer collected both total field data and vertical gradient data. The magnetometer can discriminate to 0.1 gammas in a total field of 40,000 to 60,000 gammas. Magnetic readings were stored in memory with the time of day, station numbers and line numbers of the readings.

B. Magnetic Field Procedures

Magnetic data were collected at half second intervals along lines spaced 10 feet apart in the area investigated. At the end of the field day the magnetic data were downloaded and contoured. An anomaly is indicated by one or more concentric magnetic contours.

.

III RESULTS

A. Magnetic Anomalies

Drawing 2 shows the contour map of the magnetic data. There were many magnetic anomalies at the site. Some where caused by surface metal. The surface metal included a cyclone fence, the house, and cars parked along Creed Street. We found 23 anomalies that needed further investigation. The 23 anomalies are marked on Drawing 2. We revisited the site and looked at each of the 23 anomalies. Table 1 lists the anomalies and what we found at each anomaly location.

Table 1. Magnetic anomalies, locations, and comments.

Number	X	Y	Flagged	Comment
1	-10	145		Metal bar on surface.
2	-11	9		Metal bar on surface.
3	-11	245	X	Small buried object, possibly concrete debris.
4	-20	93		Metal bar on surface.
5	-20	300	X	Unknown buried object.
6	-60	31	X	Small fill pile.
7	-80	231	X	Unknown buried object, possibly a metal bar.
8	-115	80	X	Unknown buried object.
9	-117	333		Concrete with metal on surface
10	-149	321	X	Small buried object.
11	-150	241		Pipe on surface.
12	-160	282	X	Small buried object.
13	-199	154	X	Very small buried object.
14	-203	270		Pipe on surface.

15	-253	252		Debris pile on surface.
16	-270	321		Nothing.
17	-380	155	X	Very small buried object.
18	-559	38	X	Debris pile.
19	-578	168	X	Small buried object.
20	-610	105		Concrete with metal on surface
21	-620	187		Concrete with metal on surface
22	-628	36		Sign
23	-639	72		Light

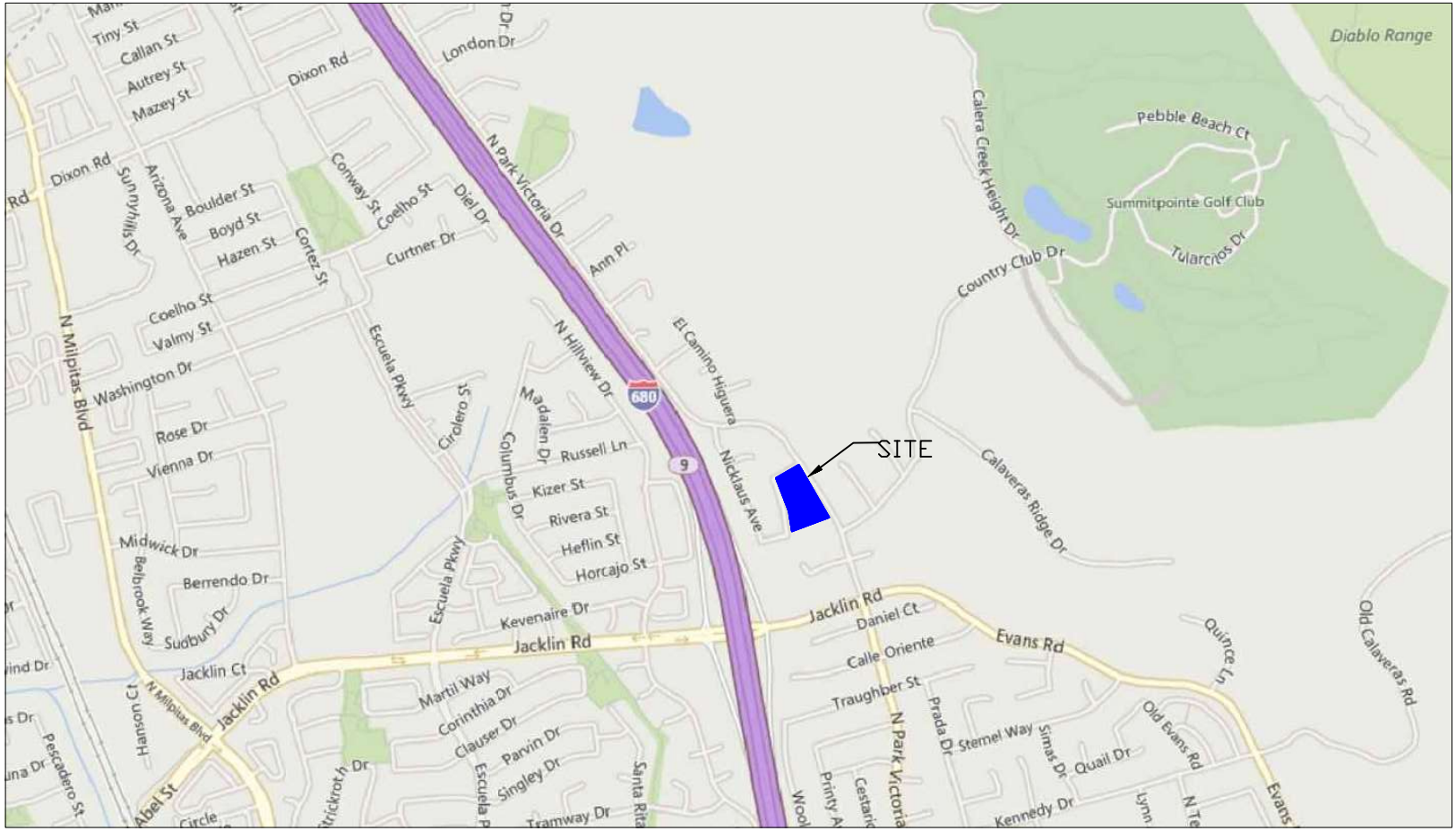
Of the 23 anomalies 12 turned out to be caused by surface metal. The surface metal consisted mostly of short sections of steel bar, metal reinforced concrete chunks, and short sections of pipe.

We flagged in the field eleven anomalies that appeared to be caused by buried metal. All the objects appeared to be buried within three feet of the ground surface. The size and magnitude of the eleven anomalies suggest they are probably caused by objects similar to what we found on the surface, i.e. pieces of metal, reinforced concrete, or sections of pipe. We recommend potholing the anomalies to determine their cause.

B. Limitations

Magnetic methods locate ferrous objects from the anomalies they produce in the earth's magnetic field. It is possible some ferrous objects will not produce an anomaly. Some possible reasons are that the object is buried too deep, the object is too small, the object is buried under or near another metal object, or an object is buried near a utility. It is possible there are materials buried at the site that were not detected by the magnetometer. We recommend rerunning part of the magnetic survey after the building is removed.

IV DRAWINGS

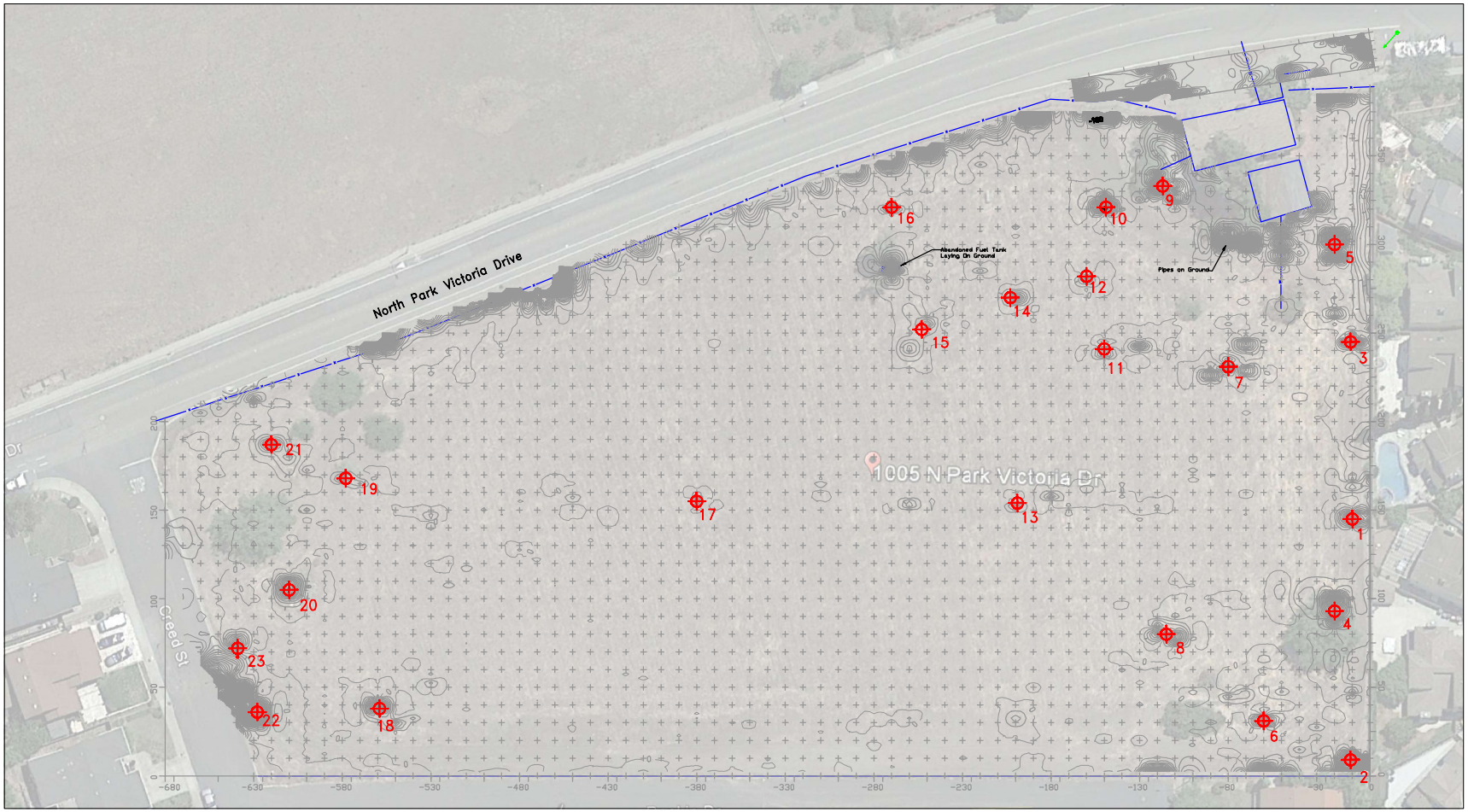


Vicinity Map
1005 North Park Victoria
Milpitas, California

SCALE: No Scale			DRAWN BY: J.J.R.
DATE: 6-10-2015	JOB NUMBER:	127-209-15	REVISED:

J R Associates Civil and Environmental Geophysics
1886 Emory Street, San Jose, CA (408) 293-7390

DRAWING NUMBER: 1



Magnetic Anomaly

Magnetic Contour Map
1005 North Park Victoria
Milpitas, California

SCALE: 1" = 60'			DRAWN BY: J.J.R.
DATE: 6-10-2015	JOB NUMBER:	127-209-15	REVISED:

J R Associates Civil and Environmental Geophysics
1886 Emory Street, San Jose, CA (408) 293-7390

DRAWING NUMBER: 2

Appendix F

Qualifications of Environmental Professionals

ANNE W GATES, PE

Senior Manager

Anne Gates has been a licensed professional engineer in California since 1987, with over 25 years of experience in consulting engineering related to environmental investigations, feasibility study analyses, civil/environmental design and remediation construction. For both private- and public-sector clients, she provides overall technical management related to investigation and remediation of contaminated property. She has prepared feasibility studies, engineering evaluations/cost analysis (EE/CA) reports and remedial action plans (RAPs) to analyze and select alternatives for site remediation. The alternatives evaluated in these reports have included innovative technologies, risk management strategies and traditional remedies. For the past 10 years, Anne's environmental engineering work has focused on remediation of sites for the purposes of redevelopment. These projects have included preparation of detailed cost estimates for the design, construction and monitoring of environmental remediation alternatives. She has also provided expert testimony on projects involving environmental investigation and remediation.

EDUCATION

1988 **MS, Civil Engineering (Oceans and Hydraulics)**, University of California at Berkeley

1984 **BS, Civil Engineering**, Stanford University

LITIGATION EXPERIENCE

Ms. Gates experience has provided litigation support in cases involving the responsibility, extent and remediation costs of soil and ground water contamination, consistency of remedial investigations and remedial/removal actions with the NCP, and Superfund cost allocation. Representative project examples are as follows:

- Served as an expert witness (included deposition and trial testimony) for Valley Industrial Services in Ameripride Services, Inc. versus Valley Industrial Services, Inc., US District Court, Eastern District of California, 2011 to March 2012. The case involved an assessment of the source of impacts from a wastewater system operated by a former dry cleaner and industrial laundry.
- Served as an expert witness (included deposition and trial testimony) for Chevron USA in Panetta versus Chevron USA, Superior Court of California, San Joaquin County, 2010 to present. The case involves an assessment of the source of hydrocarbon impacts to property owned by the Panetta family.

CONTACT INFORMATION

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Ramboll Environ
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Suite 700
Emeryville, CA 94608
United States of Americ

- Served as an expert witness (included deposition and pending trial testimony) for Chevron USA, in GCM Air Group versus Chevron USA, US District Court, Nevada, 2007 to present. The case involves an assessment of Chevron remediation activities at a site in Incline Village, Nevada.
- Served as an expert witness (included deposition and pending trial testimony) for Universal Paragon Corp. versus Ingersoll-Rand- US District Court, Northern District, 2006 to present. The case involves environmental remediation costs related to redevelopment of property in San Francisco, California.
- Served as an expert witness (included deposition and trial testimony) for Bay Street Partners versus Kemper Surplus Lines- US District Court, Northern District in 2004. The case involved environmental remediation and cost allocation related to redevelopment of property in Emeryville, California.
- Prepared and evaluated the potential cost differentials related to the presence of residual contamination associated with a condemnation valuation of a property acquired by the NAPA County Flood Control District.
- Provided litigation support regarding the extent and source of petroleum releases at a site adjacent to San Diego Bay.
- Provided litigation support regarding the extent and source of contamination and the allocation of remedial costs among various PRPs at a former foundry and wood-stove manufacturing site in Alameda County, California
- Prepared a cost allocation analysis for litigation involving remediation of hydrocarbons at the San Francisco airport.
- Prepared a cost analysis of various cleanup alternatives for cadmium contaminated ground water at a State NPL site in South Carolina.

PROJECTS

Bay Street, Emeryville

- Worked closely with a private developer, the City of Emeryville Redevelopment Agency and the California DTSC to negotiate closure and redevelopment of a 20-acre former industrial site contaminated with heavy metals, benzene and pesticides /PCBs.
- Closure of the site was contingent upon implementation of deed restrictions and a risk management plan and Anne worked closely with the relevant agencies and the private developer to finalize the risk management plan and obtain site closure.
- Implemented the risk management plan during site construction and development activities. Additional contamination was found during development and Anne worked closely with the developer and DTSC to ensure the additional contamination was remediated. She is currently working with the developer on several cost recovery actions with respect to the additional contamination that was identified during development.

Bay Area Research and Extension Center (BAREC) in Santa Clara

- Assisting the State of California in investigating and remediating a former pesticide research and testing facility in Santa Clara, California. The 17-acre parcel is slated for redevelopment into single- and multi- family homes and a small park. Responsibilities include preparation of a Site Characterization Report and Remedial Action Workplan to obtain site closure from DTSC.

Mission Bay in San Francisco

- Assisted with Catellus's redevelopment of the one of the largest "Brownfields" developments in Northern California.
- Analyzed different remediation scenarios for petroleum hydrocarbons in soil and ground water and the potential impact of these remedies on future development activities.
- In addition, provided technical assistance with respect to risk communication and environmental risk management procedures to be performed during site redevelopment and construction.

San Quentin Prison

- Assisted the State of California in preparation of a study of alternatives for redevelopment of the roughly 200-acre San Quentin Prison. Responsible for identifying the redevelopment issues and costs related to potential releases of chemicals from current/former prison industries, the gas chamber and former waste disposal areas, assuming different land use scenarios.

City of Emeryville, Emeryvillage Project

- Successfully negotiated site closure with the California RWQCB for a former industrial site that was contaminated with petroleum hydrocarbons and VOCs in soil and ground water.
- Integral to negotiating this site closure was communication of potential environmental risks and risk management procedures to be followed during construction and redevelopment.

Comprehensive Engineering Design Packages

- Prepared comprehensive engineering design packages for implementation of selected remediation alternatives. The design packages typically include detailed plans and specifications; a cost estimate and schedule; a Basis of Design Report; Operation and Maintenance Plan; Waste Management Plan; System Monitoring and Sampling Plan; and Health and Safety Plan. She has prepared design packages which have involved the following:
  - Excavation and treatment of contaminated soil (hydrocarbons, solvents, PCBs, metals);
  - Ground-water pump and treat systems;
  - Dual phase extraction of ground-water and free-phase fuel hydrocarbons;
  - Vapor extraction for chlorinated VOCs and hydrocarbons; and
  - Landfill capping and containment systems.
- Examples of this experience include her work as project manager for closure of two solid waste landfills. Both projects involved preparation of an EE/CA to evaluate different closure alternatives, preparation of plans and specifications, and preparation of construction and environmental monitoring plans. Anne was instrumental in negotiating with EPA Region IX to accept closure of one of the landfills, which was located in a remote area using locally available materials. Although these materials did not directly meet the requirements of RCRA Subtitle D, Anne was able to demonstrate that they were adequate for protection of potentially-exposed populations and environmental receptors.

Additional Representative Project Examples

- Managed preparation of design plans and specifications for a vapor extraction system to remediate explosive levels of gasoline vapors and methane gas.
- Managed a remediation project for an active gas station and fuel oil recovery facility. Project involved implementation of a pilot-scale ground-water remediation system, site characterization sampling, collection of tidal monitoring data, aquifer-testing and use of ground-watering flow model to determine location and spacing of ground-water extraction wells and trenches to collect and extract floating hydrocarbons. Also evaluated different free phase hydrocarbon recovery system alternatives, developed plans and specifications for implementation of the selected remedial alternative, provided construction oversight during implementation, and provided operation, maintenance and performance monitoring of the final remedial alternative.
- Managed a remediation project for cleanup of diesel and fuel oil from a former power plant. Project involved site characterization sampling, collection of tidal monitoring data, aquifer-testing and use of a ground-watering flow model to determine location and spacing of ground-water extraction wells and trenches to collect and extract floating hydrocarbons. Also evaluated different free phase hydrocarbon recovery system alternatives, developed plans and specifications for implementation of the selected remedial alternative, provided construction oversight during implementation, and provided operation, maintenance and performance monitoring of the final remedial alternative.
- Managed an investigation and remediation of PCE-, TCE- and vinyl chloride-containing vapors at a laundry facility and adjacent elementary school. Project involved: investigating the extent of the vapor plume in soil gas and ambient air; performing a risk assessment and fate and transport

modeling to determine whether adjacent school children were at risk; performing fate and transport modeling to determine whether potential marine ecological receptors were potentially impacted; performing a vapor extraction pilot-test to analyze remedial alternatives; evaluating removal action alternatives for cost, effectiveness and implementability; preparing plans and specifications for design of a horizontal and vertical vapor extraction system with a catalytic oxidation treatment system; and construction, operation and maintenance of the selected removal action alternative.

- Assisted with design, implementation and construction oversight of a remediation system for hydrocarbon contaminated soil at a former military base in Alaska. Project involved installation and operation of a soil vapor extraction system.
- Managed the design/analysis of an electrokinetic remediation system for cleanup of a former battery acid pit contaminated with lead. Project involved analysis of site-specific data to determine the applicability of the technology for the site and detailed comparisons of other technologies in terms of cost, effectiveness and implementability.
- Managed the preparation of a Removal Action Site Evaluation Report, Engineering Evaluation/Cost Analysis and engineering design package for closure of a landfill. Project involved collection/analysis of additional site data, evaluation of different landfill capping alternatives performance of a streamlined risk assessment and development of a ground-water monitoring plan. Project also involved assessing engineering risks with future development of the closed landfill. Successfully negotiated with USEPA to obtain an exemption from RCRA Subtitle D landfill closure requirements because it was demonstrated that the selected alternative was effective in minimizing risks associated with the former landfill.
- Managed preparation of an Engineering Evaluation/Cost Analysis and plans and specifications for closure of an oily waste pit. Project included analysis and design of alternatives for remediating oily contaminated soil and design of a protective cap to prevent the migration of gases to the ground surface.
- Provided litigation support in cases involving the responsibility, extent and remediation costs of soil and ground water contamination, consistency of remedial investigations and remedial/removal actions with the NCP, and Superfund cost allocation.
  - Provided litigation support regarding the extent and source of petroleum releases at a site adjacent to San Diego Bay.
  - Provided litigation support regarding the extent and source of contamination and the allocation of remedial costs among various PRPs at a former foundry and wood-stove manufacturing site in Alameda County, California
  - Prepared a cost allocation analysis for litigation involving remediation of hydrocarbons at the San Francisco airport.
  - Prepared a cost analysis of various cleanup alternatives for cadmium contaminated ground water at a State NPL site in South Carolina.

Other Environmental Projects

- Assisted with preparation and development of a ground-water monitoring plan for a hazardous waste landfill. Assisted with vadose zone and ground-water modeling to simulate leaks from waste management units (WMUs) and for determination of the location and spacing of ground-water monitoring wells. Designed a vadose zone monitoring system using an additional model to simulate releases of moisture from a newly constructed WMU due to consolidation of the WMUs clay liner. The project also included design and installation of the vadose zone and ground-water monitoring system and additional ground-water modeling studies to determine if a deep (>800 feet) water supply well had a hydraulic effect on the shallow ground-water monitoring well system.
- Assisted in investigation and characterization of solid waste management units and report preparation as part of a RCRA Facility Investigation.

- Prepared a solid waste management permit application for nonhazardous waste disposal units at a waste disposal facility.
- Assisted in chemical characterization of waste disposed in landfill for modeling air emission rates from active hazardous waste landfill. Results of model were basis for air permit application for hazardous waste landfill.
- Performed environmental assessments of several solid waste/sanitary landfills in Michigan, Indiana, Oklahoma for possible conversion to hazardous waste facilities. Project involved assessing engineering feasibility for landfill unit conversion and expansion, review of historical regulatory compliance, and potential for release of contaminants from landfill wastes.
- Performed environmental compliance audits, due diligence reviews and site assessments of more than 50 facilities to identify environmental liabilities associated with federal, state and local regulations (e.g., CERCLA, RCRA, wastewater, Federal Safe Drinking Water Act, air emissions, underground storage tanks, California's Proposition 65, and other hazardous waste regulations, asbestos). The types of facilities included motor and pump repair facilities in Ohio, West Virginia, Florida, Alabama, California, and Mexico; computer and electronics-related manufacturing facilities in California, chemical processing facilities in Michigan and California; wood treatment facilities in Wisconsin; hazardous and nonhazardous waste treatment, storage, and disposal facilities in Indiana, Alabama, Louisiana, Arizona, and California; a garment manufacturing facility in Texas; a newspaper printing facility in California; a metal tubing manufacturer in Canada; pump manufacturing facilities in the United Kingdom, Germany, and Nebraska; and an industrial port facility in California.
- Assisted with design, implementation and construction oversight of a remediation system for hydrocarbon contaminated soil and ground water from an oil recovery facility in Louisiana. Project involved excavation of a former hydrocarbon waste pit and installation of ground water "pump and treat" remediation system. "Pump and treat" remediation system design involved application of a ground water flow model to determine and locate extraction wells.
- Assisted with implementation of the Superfund selected remedial alternative for a former asbestos mine in California. Project involved preparation of preliminary design documents for sediment retention ponds and diversion channels which included review and application of hydrogeologic and sediment transport flow models.
- Developed and prepared a ground-water monitoring plan for cleanup of hydrocarbon contaminated ground water via an extraction trench for an auto manufacturing facility.
- Assisted with preparation of a Remedial Investigation/Feasibility Study (RI/FS) of chlorinated-solvent contamination from an electronics manufacturer. Project responsibilities involved application of a ground-water model to determine contaminant transport between two aquifers.
- Managed preparation of NPDES storm water permit applications for discharges from construction sites, hazardous waste storage facilities, and fuel recovery facilities in California, Hawaii and Louisiana.
- Directed study to determine compliance with California's Proposition No. 65 for numerous food manufacturing plants. Project involved use of USEPA air emissions models to estimate potential air exposure to contaminants and development of a vadose model to estimate concentrations of ground-water contaminants.
- Managed closure and removal of several petroleum-containing USTs in California and New York. Projects involved oversight of tank removals, soil sampling, installation of ground-water monitoring wells, coordination with regulatory agencies and preparation of site investigation and closure reports.
- Managed closure of a microchip and metal plating facility. Project involved coordination and oversight of a subcontractor to remove and decontaminate all equipment, sampling to verify if residual contamination remained, preparation of a closure plan and final closure report, and coordination with regulatory agencies.

PREVIOUS EXPERIENCE

Manager of Remediation and Design Engineering, Ogden Environmental Energy Services
Managed numerous hazardous waste and petroleum hydrocarbon investigation and remediation projects in California, Alaska, Hawaii and Guam. Provided technical management for environmental engineering and remedial design projects on a $210 million dollar CLEAN Contract with the US Navy in Hawaii.

Associate Engineer, McGill-Martin-Self
Designed and managed land development projects. Performed hydraulic and hydrogeologic analysis of floods, landslides, and land development projects. Designed and implemented grading, drainage, and erosion control plans for various engineering projects. Conducted numerous investigations on the causes and remediation measures for seepage in hillsides and various types of engineering excavations. Audited and assessed residential developments for compliance with building codes and other regulations.

CREDENTIALS

Registered Professional Engineer, State of California, 1988
Registered Professional Engineer, State of Hawaii, 1992
Registered Professional Engineer, State of Alaska, 1997
Registered Professional Engineer, State of Washington, 1997
Member, American Society of Civil Engineer

PUBLICATIONS

1990

Comparison of Modeled to Estimated Emissions Rates at Active Hazardous Waste Landfill.
Presented at the Air and Waste Mangement Association, annual conference
Authors: Gates, A.W., Suder, D. Suder and C. Schmidt

1993

Estimation of Hydraulic Conductivity for a Tidally-influenced Unconfined Aquifier
Presented at 1993 Joint CSCE-ASCE National Conference of Environmental Engineering, July 1993
Authors: Gates, A.W. and J. Colter

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APPENDIX D

NOISE MEASUREMENT FIELDWORK SHEETS

Noise Measurement Survey – 24 HR

Project Number: MLP1901
Project Name: Milpitas N Park Victoria

Test Personnel: J.T. Stephens
Equipment: Spark 706RC 18904

Site Number: LT-1 Date: 4/24/2019

Time: From 10:00 AM To 10:00 AM

Site Location: Intersection of Ranking and Blalock at front yard of 1073 Blalock

Primary Noise Sources: Traffic on the I-680 Freeway, North Park Victoria and birds

Location Photo:

Noise Measurement Survey – 24 HR

Project Number: MLP1901
Project Name: Milpitas N Park Victoria

Test Personnel: J.T. Stephens
Equipment: Spark 706RC 18903

Site Number: LT-2 Date: 4/24/2019

Time: From 10:00 AM To 10:00 AM

Site Location: Next to abandoned house on southeast corner of project site

Primary Noise Sources: Traffic on North Park Victoria

Location Photo:

Noise Measurement Survey

Project Number: MLP1901
Project Name: 1005 N. Park Victoria

Test Personnel: JT Stephens
Equipment: Larson Davis LXT

Site Number: ST-1 Date: 4/25/2019

Time: From 8:41 AM To 8:46 AM

Site Location: Northeast corner of project site near the intersection of Creed and North Park Victoria

Primary Noise Sources: Traffic on North Park Victoria
Comments:

File:	154
L_{eq}	62.0
L_{max}	76.1
L_{min}	45.7
L_{50}	53.9
L_{99}	47.9

Atmospheric Conditions	
Average Wind Velocity (mph)	0.4 – 0.7
Maximum Wind Velocity (mph)	0.6 – 2.6
Temperature (F)	78
Relative Humidity (%)	59

Location Photo:

Noise Measurement Survey

Project Number: MLP1901
Project Name: 1005 N. Park Victoria

Test Personnel: JT Stephens
Equipment: Larson Davis LXT

Site Number: ST-2 Date: 4/25/2019

Time: From 9:12 AM To 9:28 AM

Site Location: Across from 1049 Rankin Drive along western property line of project site

Primary Noise Sources: Traffic on I-680 and North Park Victoria
Comments:

File:	155
L_{eq}	52.3
L_{max}	67.5
L_{min}	44.6
L_{50}	49.5
L_{99}	47.6

Location Photo:

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APPENDIX E

FHWA NOISE MODEL PRINTOUTS

TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Creed Street west of N. Park Victoria Drive
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 250 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 44.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria north of Creed Street
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2630 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	87.7

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Creed Street to Country Club Drive
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2850 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	92.5

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Country Club Drive to Jacklin Road
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4180 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	55.6	119.3

TABLE Existing-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria south of Jacklin Road
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7120 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	79.8	170.3

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road east of N. Park Victoria
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6890 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	80.7	167.7

TABLE Existing-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road west of N. Park Victoria
NOTES: Milpitas N. Victoria - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14270 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	62.9	127.4	270.7

TABLE Existing with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Creed Street west of N. Park Victoria Drive
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 620 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.25

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Existing with Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria north of Creed Street
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2648 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	88.1

TABLE Existing with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Creed Street to Country Club Drive
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3188 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	99.7

TABLE Existing with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Country Club Drive to Jacklin Road
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4512 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	58.5	125.5

TABLE Existing with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria south of Jacklin Road
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7230 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	80.6	172.0

TABLE Existing with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road east of N. Park Victoria
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6920 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	80.9	168.2

TABLE Existing with Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road west of N. Park Victoria
NOTES: Milpitas N. Victoria - Existing with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14480 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	63.4	128.6	273.3

TABLE Cumulative w/o Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Creed Street west of N. Park Victoria Drive
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 260 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 44.47

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Cumulative w/o Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria north of Creed Street
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2750 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	90.4

TABLE Cumulative w/o Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Creed Street to Country Club Drive
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2990 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	95.5

TABLE Cumulative w/o Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Country Club Drive to Jacklin Road
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4390 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	57.5	123.3

TABLE Cumulative w/o Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria south of Jacklin Road
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7470 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	82.3	175.8

TABLE Cumulative w/o Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road east of N. Park Victoria
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7240 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	83.2	173.2

TABLE Cumulative w/o Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road west of N. Park Victoria
NOTES: Milpitas N. Victoria - Cumulative w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14980 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	64.6	131.5	279.5

TABLE Cumulative with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Creed Street west of N. Park Victoria Drive
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 630 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 48.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Cumulative with Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria north of Creed Street
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2780 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	91.0

TABLE Cumulative with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Creed Street to Country Club Drive
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3340 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	102.8

TABLE Cumulative with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria Country Club Drive to Jacklin Road
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4740 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	60.5	129.7

TABLE Cumulative with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: N. Park Victoria south of Jacklin Road
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7580 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	83.1	177.5

TABLE Cumulative with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road east of N. Park Victoria
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7270 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	83.4	173.7

TABLE Cumulative with Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 06/10/2019
ROADWAY SEGMENT: Jacklin Road west of N. Park Victoria
NOTES: Milpitas N. Victoria - Cumulative with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 15190 SPEED (MPH): 35 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	65.2	132.7	282.1

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APPENDIX F

INTERIOR NOISE CALCULATION

INTERIOR NOISE REDUCTIONS

Project Name: Milpitas Victoria
Job Number: MLP1901
Floor Plan: 1
Analyst: J.T. Stephens
Room: Bedroom

(1) Transmission Loss Calculations (Exterior Wall)

Exterior Wall Assembly	Source	Wall Area	STC	Transmission Loss (dB) by Frequency (Hz) 125	250	500	1000	2000	4000	Fractional Area S/(10^(TL/10)) 125	250	500	1000	2000	4000	dB
Stucco	David Harris p. 371	82.5	46	27	42	44	46	49	54	0.1646	0.0052	0.0033	0.0021	0.0010	0.0003	
	ABC	30.0	27	17	20	23	31	31	29	0.5986	0.3000	0.1504	0.0238	0.0238	0.0378	
Windows/Doors		0.0	0	0	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
		0.0	0	0	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
		0.0	0	0	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
										0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Totals		112.5								0.0068	0.0027	0.0014	0.0002	0.0002	0.0003	
Composite Exterior Wall Sound Transmission Loss		10*LOG(1/t)								21.69	25.67	28.65	36.38	36.56	34.70	33.38

(2) Room Effects (Absorption)

Room Surface/ Material	Source	Area	NRC	Absorption Coefficients by Frequency (Hz) 125	250	500	1000	2000	4000	Absorption (Sabins) 125	250	500	1000	2000	4000	
Floor - Carpet	David Harris p. 347	187.5	0.30	0.15	0.17	0.12	0.32	0.52	0.30	28.13	31.88	22.50	60.00	97.50	56.25	
Floor - Vinyl	David Harris p. 347	0.0	0.05	0.02	0.03	0.05	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
Ceiling - Drywall	David Harris p. 348	187.5	0.50	0.10	0.08	0.05	0.03	0.03	0.03	18.75	15.00	9.38	5.63	5.63	5.63	
Walls - Drywall	David Harris p. 348	495.0	0.50	0.10	0.08	0.05	0.03	0.03	0.03	49.50	39.60	24.75	14.85	14.85	14.85	
Totals		870								96.375	86.475	56.625	80.475	117.975	76.725	110.23
Room Effect	10*log (Room Absorption in Sabins)/(Exterior Wall Area)									-0.67	-1.14	-2.98	-1.45	0.21	-1.66	-0.09

(3) Adjustment Factor

Sound Source Adjustment Factor										-6.00	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00

(4) Calculated Interior Noise Reduction (dBA)

	125	250	500	1000	2000	4000	dBA
(Transmission Loss + Room Effects + Adjustment Factor)	15.01	18.52	19.67	28.92	30.76	27.04	
Octave Band Frequency Correction Factors for A-Weighted Sound Levels	16.10	8.60	3.20	0.00	-1.20	-1.00	
A-Weighted Sound Levels	31.11	27.12	22.87	28.92	29.56	26.04	
Noise Reduction (dBA)	30.99	27.00	22.74	28.80	29.44	25.92	**28.2**

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APPENDIX G

TRAFFIC OPERATIONS REPORT

Memorandum

Date: June 4, 2019

To: Mr. Steve Chan, T.E., City of Milpitas

From: Brett Walinski, T.E.

Subject: Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences

---

Hexagon Transportation Consultants, Inc. has completed this traffic operations report for the proposed residential development located at 1005 North Park Victoria Drive in Milpitas, California. The subject site is currently occupied by a vacant single-family residence. The project proposes a community of 37 single-family detached units.[1] Access to the project site would be provided via two proposed driveways on the west side of the development, on Rankin Drive, which is connected to North Park Victoria Drive via Creed Street. The site location is shown on Figure 1.

Scope of Study

This study includes an analysis of weekday AM and PM peak hour traffic conditions at three intersections and two site driveways. The analysis was conducted in accordance with the standards and methodologies prescribed by the City of Milpitas. The study intersections are identified below and shown on Figure 2.

- North Park Victoria Drive and Jacklin Road
- North Park Victoria Drive and Country Club Drive (unsignalized)
- North Park Victoria Drive and Creed Street (unsignalized)
- Rankin Drive and North Site Driveway
- Rankin Drive and South Site Driveway

The impacts of the project were evaluated during the weekday AM and PM peak hours. The AM peak hour of traffic is typically between 7:00 AM and 9:00 AM and the PM peak hour is typically between 4:00 PM and 6:00 PM. It is during these periods that the most congested traffic conditions occur on an average weekday. Traffic conditions were evaluated for the following scenarios:

Scenario 1: *Existing Conditions.* Existing conditions are represented by existing peak hour traffic volumes on the existing roadway network. Existing traffic volumes were obtained from recent traffic counts conducted in April 2019 (see appendix).

Scenario 2: *Existing Plus Project Conditions*. Project-generated traffic volumes were added to existing traffic volumes to estimate existing plus project traffic volumes. Existing plus project conditions were evaluated relative to existing conditions in order to determine potential project impacts.

Scenario 3: *Cumulative Conditions.* Cumulative conditions (without the project) were estimated by applying growth factors derived from the City of Milpitas Travel Demand Forecast Model. No improvements to the study intersections were assumed under this scenario.

Scenario 4: *Cumulative Plus Project Conditions.* Project trips from the site were added to Cumulative traffic volumes to estimate Cumulative Plus Project conditions. Cumulative Plus Project conditions were evaluated relative to Cumulative conditions (without the project) in order to determine potential project impacts.

[1] After this analysis was completed, the project size was reduced to 36 residential units. Thus, the analysis presented in this document represents a slightly conservative estimate of project traffic conditions.

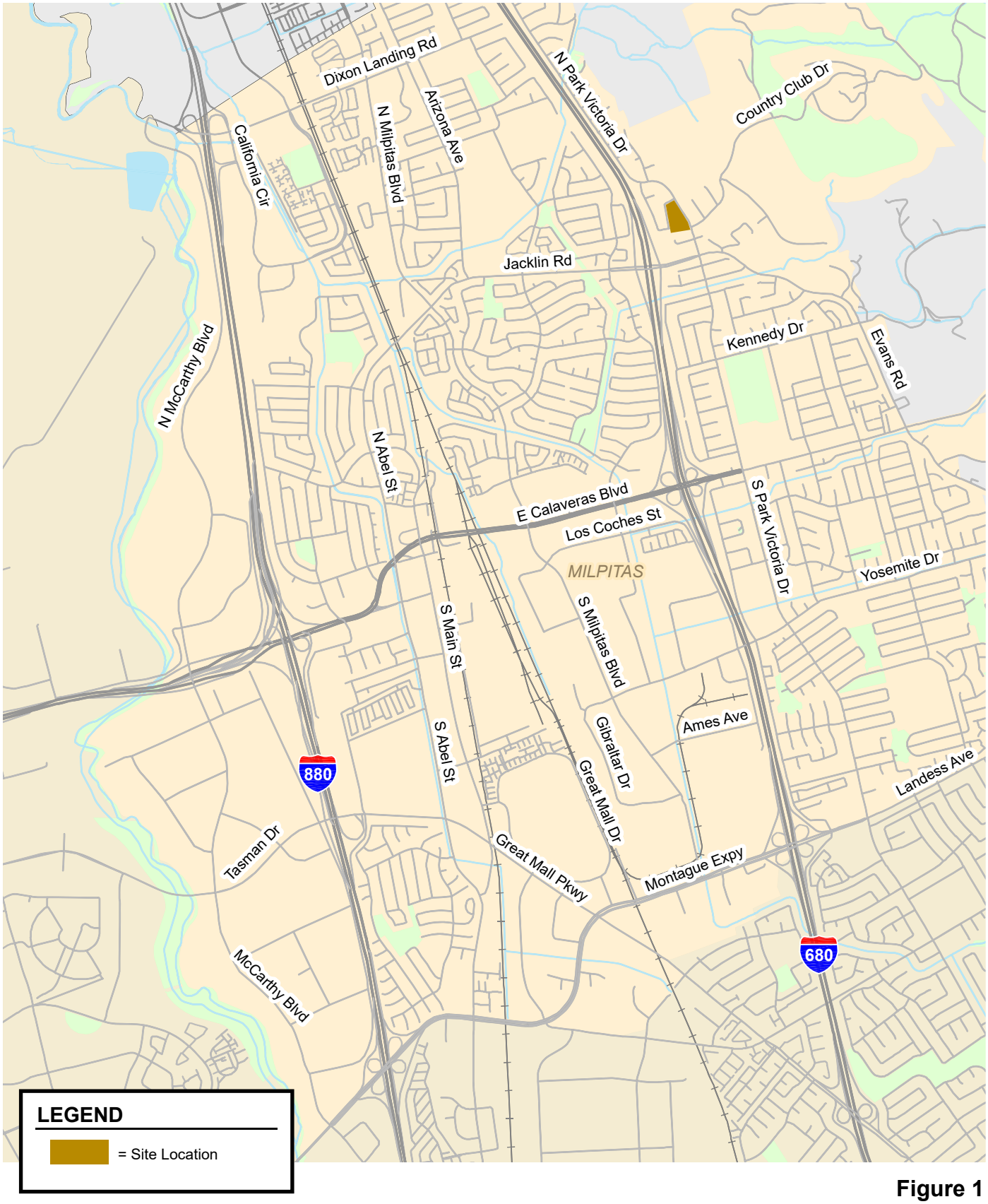


Figure 1
Site Location

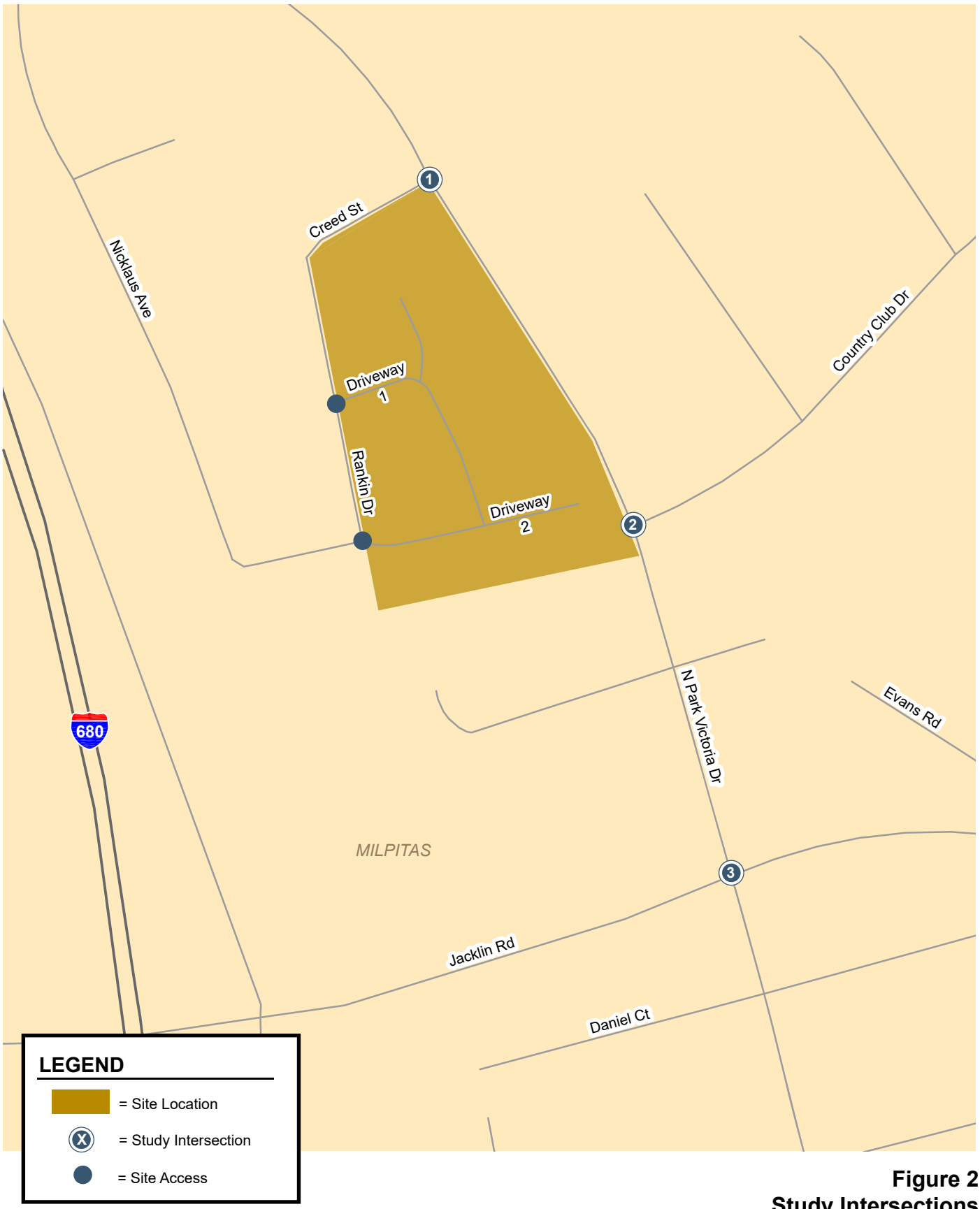


Figure 2
Study Intersections

NORTH
Not to Scale

A background conditions scenario was not included in this analysis because there are no approved but not yet constructed developments that would add traffic to the study intersections. In addition, a Congestion Management Program (CMP) analysis was not required because the project is estimated to generate fewer than 100 peak-hour trips. Intersection operations were evaluated using TRAFFIX, based on the Highway Capacity (HCM) level of service methodology for signalized and unsignalized intersections during peak hours. This report also includes an evaluation of project site access and circulation.

Existing Transportation Setting

Regional access to the project site is provided via Interstate 680 (I-680). Local access to the site is provided via Jacklin Road, North Park Victoria Drive, Creed Street, and Rankin Drive. These roadways are described below.

I-680 is a north-south freeway which extends from I-280 in San Jose in the south and ends at I-80 near Green Valley in the north. Within the project vicinity, I-680 primarily has three northbound lanes and three southbound mixed flow lanes as well as an HOV lane in the southbound direction. The closest access to the project site is provided by the interchange at Jacklin Road.

Jacklin Road is a four lane, east-west, arterial street that extends from Milpitas Boulevard in the west to North Park Victoria Drive in the east. At its west end, Jacklin Road becomes north Abel Street west of North Milpitas Boulevard and curves south to intersect with East Calaveras Boulevard. East of North Park Victoria Drive, Jacklin Road becomes two-lane Evans Road and continues south to the foothills on the east side of Milpitas. Jacklin Road provides direct access to I-680 south of the project site via North Park Victoria Drive. It has a two-way left turn lane in the project vicinity, between I-680 and North Park Victoria Drive.

North Park Victoria Drive is generally a two-lane, north-south, collector street that begins just south of Scott Creek Road in the north and terminates at East Calaveras Boulevard in the south.

Creed Street is an east-west residential street extending from North Park Victoria Drive at the east end to Rankin Drive at the west end. On-street parking is permitted on Creed Street.

Rankin Drive is a north-south residential street extending from Creed Street at the north end to Nicklaus Avenue at the south end. On-street parking is permitted on Rankin Drive. It would provide direct site access via two driveways.

Existing bicycle access to the project vicinity is provided primarily via a network of nearby Class II bike lanes and Class III bike routes which are shared with vehicular traffic. There are existing Class II bike lanes on Jacklin Road except a section between I-680 and North Park Victoria Drive, which is a bicycle route. North Park Victoria Drive has Class II bike lanes from the city border with Fremont, along the eastern border of the site, to Jacklin Road, south of which North Park Victoria Drive serves as a Class III bicycle route.

In the future, the *City of Milpitas General Plan* shows future upgraded Class II bike lanes on existing bike lane gaps on Jacklin Road (between the southbound I-680 on/off ramps and North Park Victoria Drive) and on North Park Victoria Drive south of Jacklin Road. Country Club Drive is planned to serve as a Class III bicycle route.

Sidewalks are generally found along all previously-described roadways in the study area and along the streets near the site, with a few exceptions. There are no sidewalks along the project frontages on North Park Victoria Drive, Creed Street, or Rankin Drive. There are also no sidewalks on the south side of Country Club Drive. All nearby signalized study intersections provide crosswalks.

Existing transit service in the project vicinity is provided by the Valley Transportation Authority (VTA). The nearest bus route is Line 46. Line 46 connects the Great Mall Transit Center with Milpitas High School via Great Mall Parkway, Montague Expressway/Landess Avenue, Park Victoria Drive, and Jacklin Road. In addition, Line 46 provides connections to the VTA light rail service at the Great Mall Transit Center. The bus operates between 6:00 AM and 7:00 PM on weekdays, with 30-minute headways in the AM and PM peak periods. The closest bus stops are located on North Park Victoria Drive south of Jacklin Road, approximately 1,000 feet south of the project site.

An extension of BART from South Fremont to North San Jose/Berryessa is currently under construction along the existing Union Pacific rail line. A new Milpitas station, tentatively scheduled to open in late 2019, will be located approximately 3.5 miles from the project site at the Montague Expressway/Great Mall Parkway intersection.

Existing Traffic Observations

Traffic conditions in the field were observed in order to identify existing operational deficiencies and to confirm the accuracy of calculated levels of service. The purpose of this effort was (1) to identify any existing traffic problems that may not be directly related to intersection level of service, and (2) to identify any locations where the level of service calculation does not accurately reflect level of service in the field. The field observations revealed that the level of service analysis generally reflects actual existing traffic conditions. Notable observations are summarized below.

North Park Victoria Drive and Jacklin Road. During the AM peak hour, the northbound left turn queue on North Park Victoria Drive onto westbound Jacklin Road frequently spills out of the turn pocket and into the adjacent northbound through lane. This was also observed to occur during the PM peak hour, though less frequently. It should be noted that the project is not expected to add any traffic to this movement.

Project Traffic Estimates

The magnitude of traffic produced by a new development, and the locations where that traffic would appear, are typically estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic entering and exiting the site was estimated for the weekday AM and PM peak hours. As part of the project trip distribution step, an estimate was made of the directions to and from which the project trips would travel. In the project trip assignment step, the project trips were assigned to specific streets and intersections in the study area. These procedures are described further in the following sections.

Through empirical research, data have been collected that correlate common land uses to their propensity for producing traffic. Thus, for the most common land uses there are standard trip generation rates that can be applied to help predict the future traffic increases that would result from a new development. Project trip generation was estimated by applying to the size and uses of the development the appropriate trip generation rates published by the Institute of Transportation Engineers (ITE) in *Trip Generation*, *10th Edition*. Based on ITE's trip generation rates for single family detached housing (ITE code 210), the project would generate 349 daily vehicle trips, with 28 trips occurring during the AM peak hour and 37 trips occurring during the PM peak hour. Because the existing single family home has been vacant for a long period of time and the site does not currently generate any traffic, no trip credit was applied (see also Table 1).

The trip distribution pattern for the proposed use was estimated based on neighboring land uses and local traffic patterns in consultation with City staff. Trips were assigned to the roadway network in accordance with the trip distribution. The trip distribution and project trip assignment are shown on Figure 3.

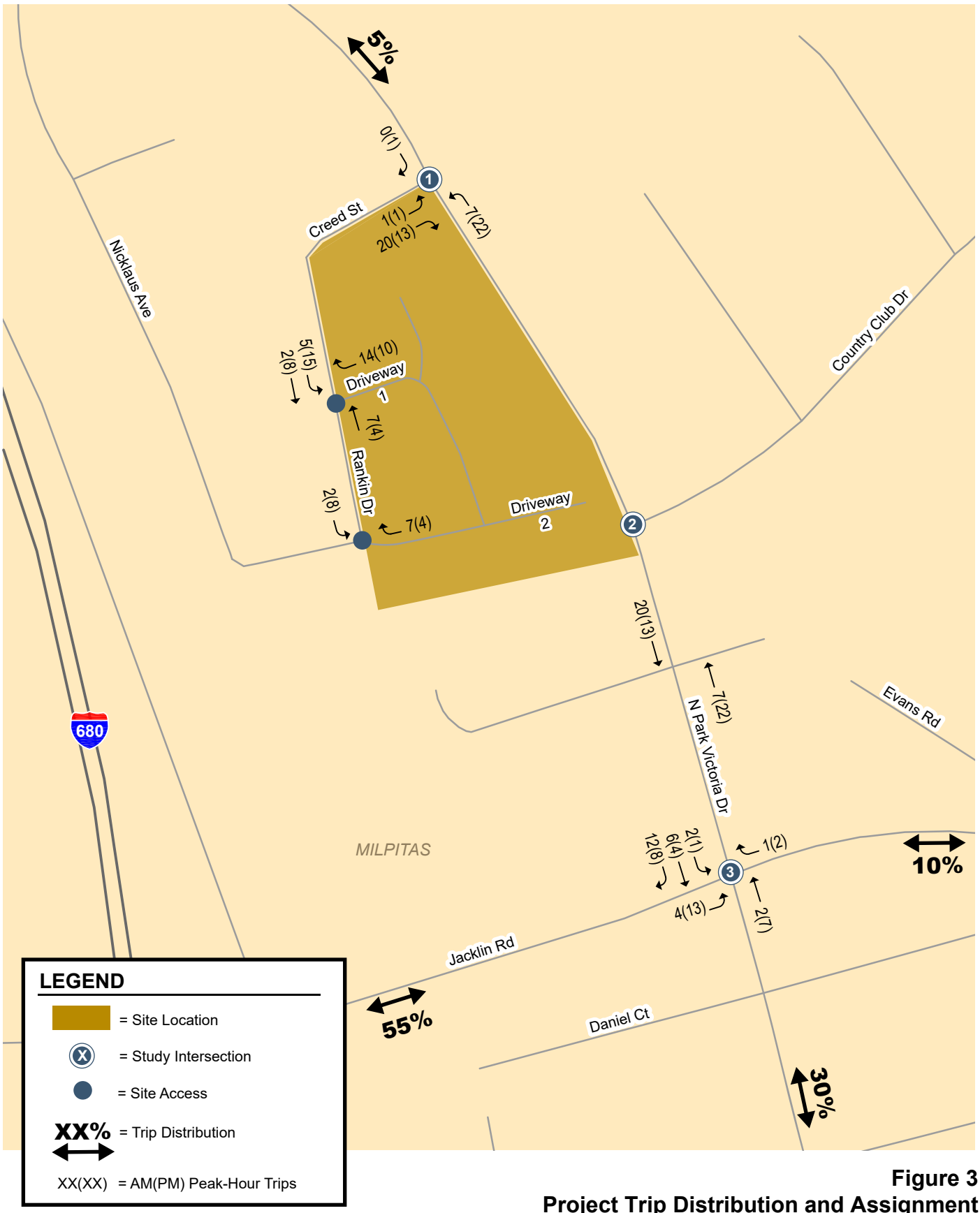


Figure 3
Project Trip Distribution and Assignment

Table 1
Project Trip Generation Estimates

Land Use	Size	Daily Rate	Daily Trips	AM Peak Hour Rate	AM Peak Hour Total Trips	AM Peak Hour In	AM Peak Hour Out	PM Peak Hour Rate	PM Peak Hour Total Trips	PM Peak Hour In	PM Peak Hour Out
Detached Single Family Units [1]	37 units	9.44	349	0.74	28	7	21	0.99	37	23	14

[1] Rates based on ITE Trip Generation, 10th Edition for Single Family Detached Housing (ITE 210).

Traffic Volumes and Roadway Network

Traffic volumes for existing conditions were determined from existing traffic counts conducted in April 2019. Existing volumes are shown on Figure 4. Existing plus project traffic conditions are represented by existing traffic volumes plus project trips on the existing roadway network. Existing plus Project volumes are shown on Figure 5. The count data are included in Appendix A.

Cumulative (no project) traffic volumes were estimated based on forecasts from the City of Milpitas Travel Demand Forecast Model. From the forecasts an annual growth rate was established and applied to existing volume five years into the future. Traffic volumes for Cumulative plus Project conditions are represented by adding to the cumulative no project volumes the traffic generated by the project. Cumulative and Cumulative plus Project traffic volumes are shown on Figures 6 and 7, respectively.

Under cumulative and cumulative plus project conditions, the roadway network was assumed unchanged from existing conditions.

Intersection Level of Service Methodology

Traffic conditions at the signalized and unsignalized study intersections were evaluated using level of service (LOS). *Level of Service* is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays. The City of Milpitas utilizes TRAFFIX software and the Highway Capacity Manual (HCM) methodology to evaluate intersection operations. The HCM methodology evaluates intersection operations on the basis of average delay time for all vehicles at the intersection. For side-street-stop-controlled (SSSC) intersections, HCM also provides the level of service and delay for operations on the worst approach. The delay can then be correlated to a level of service.

Signalized Intersection Significant Impact Criteria

At signalized intersections in Milpitas, the minimum acceptable level of service is LOS D. According to the City of Milpitas, project impacts at signalized intersections occur when:

1. The level of service at an intersection drops below its LOS standard when project traffic is added; or
2. An intersection that is operating worse than its level of service standard under no project conditions has an increase in critical delay of four or more seconds AND the demand-to-capacity ratio (V/C) is increased by more than 0.01 when project traffic is added.

The exception to this threshold is when the addition of project traffic reduces the amount of average delay for critical movements (i.e. the change in average delay for critical movements is negative). In that case, the threshold is when the project increases the critical V/C value by 0.01 or more.

A significant impact at a signalized intersection is said to be satisfactorily mitigated when measures are implemented that would restore intersection levels of service to an acceptable LOS or restore the intersection to operating levels that are better than no project conditions.

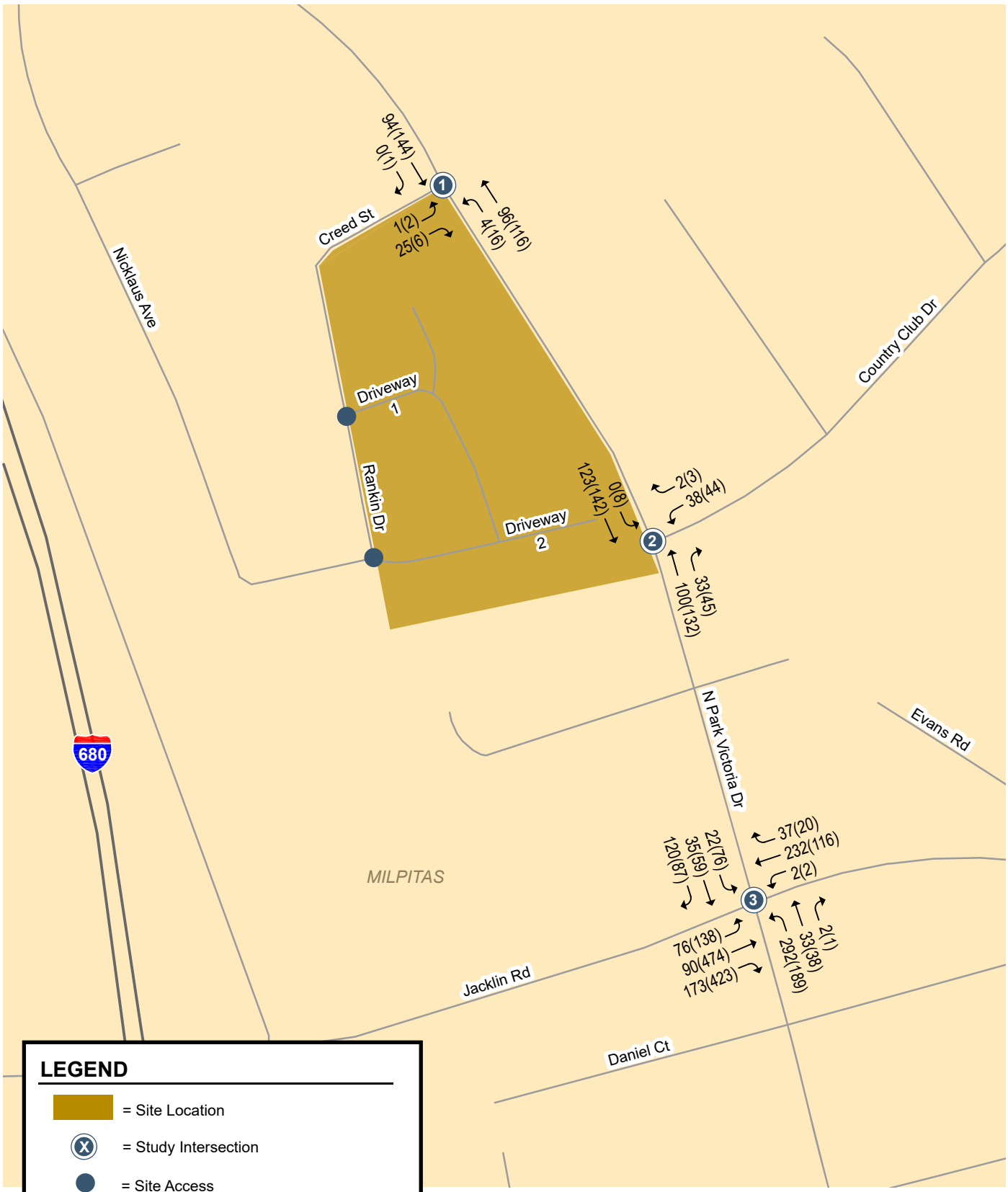


Figure 4
Existing Traffic Volumes

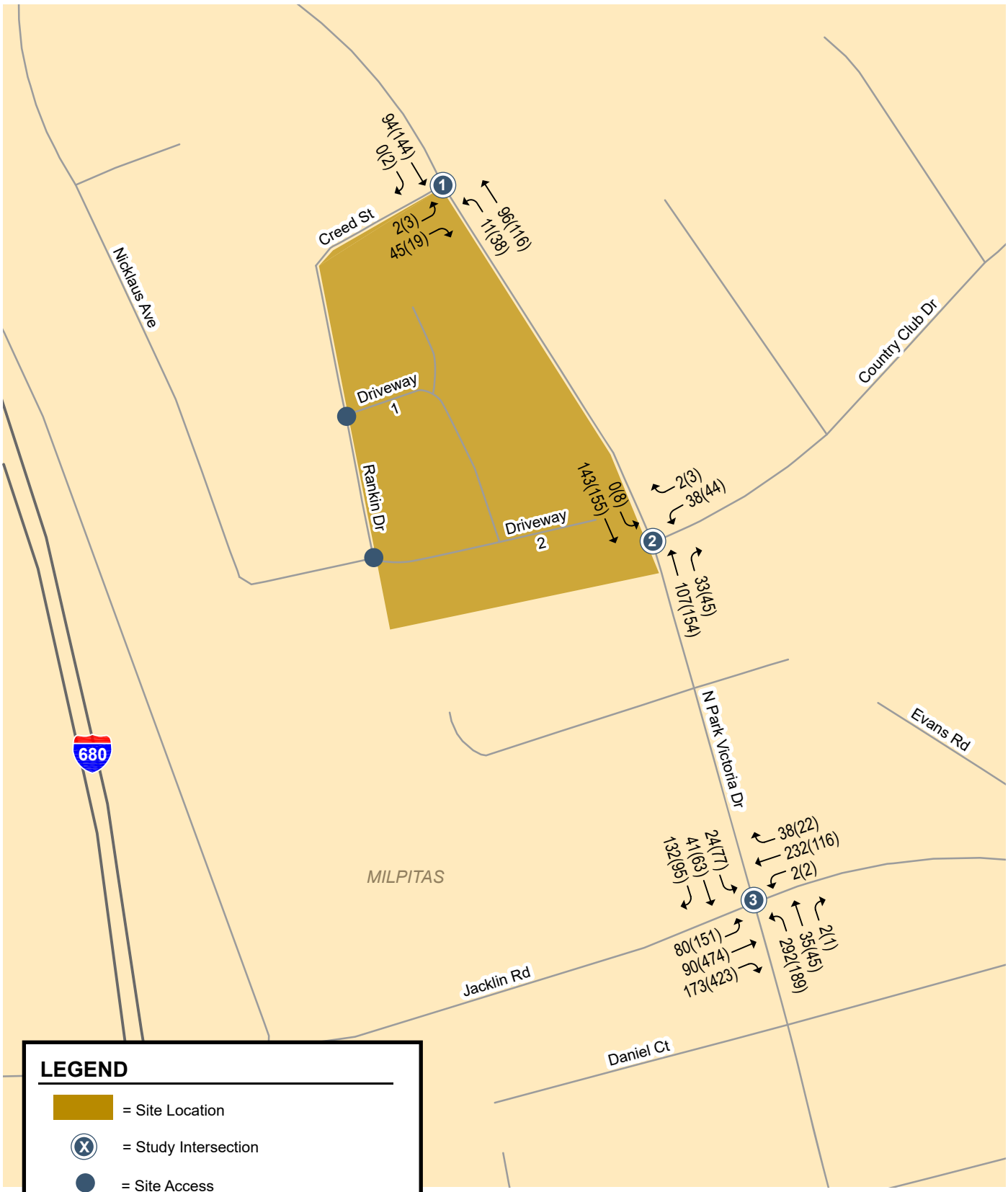


Figure 5
Existing Plus Project Traffic Volumes

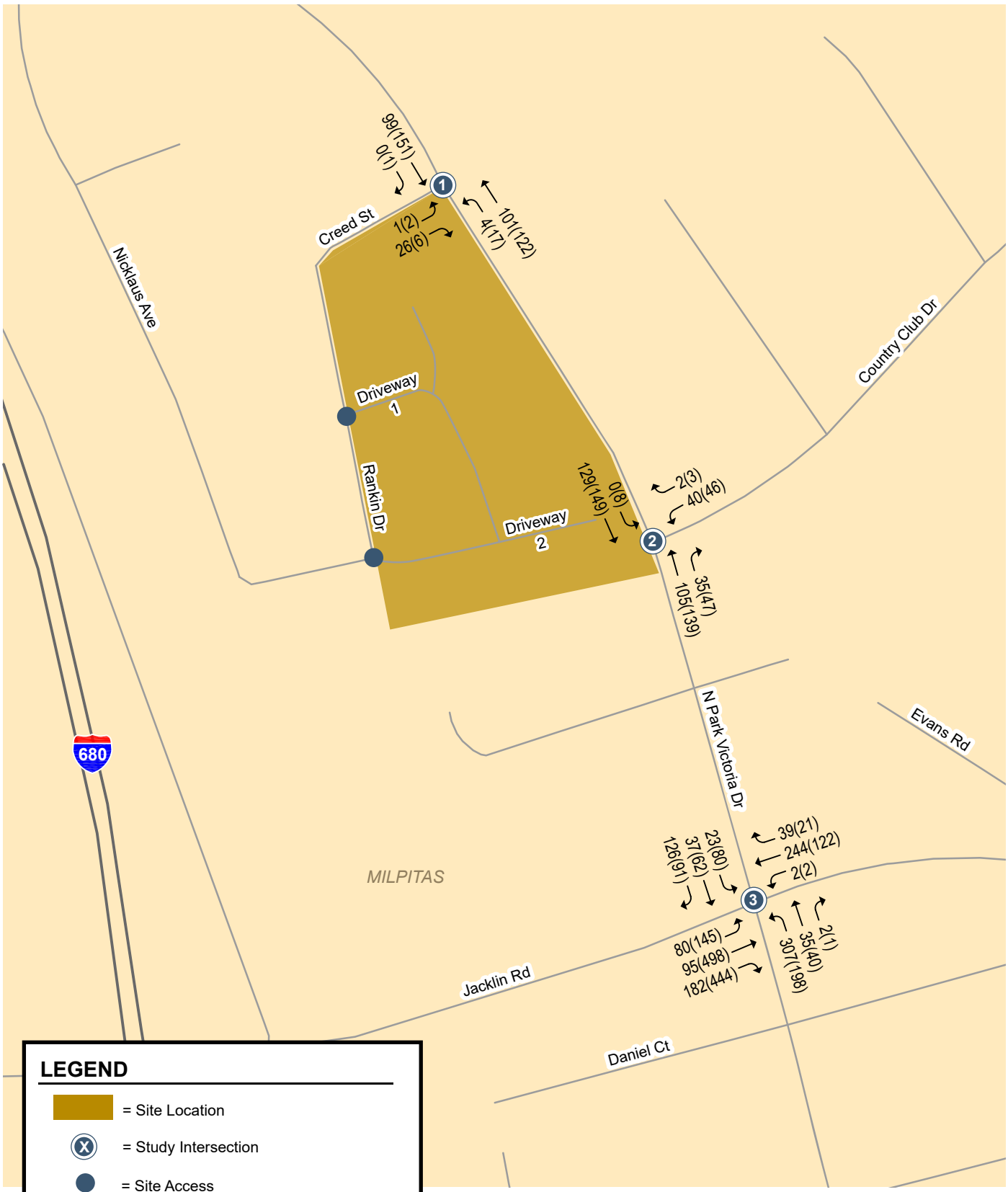


Figure 6
Cumulative No Project Traffic Volumes

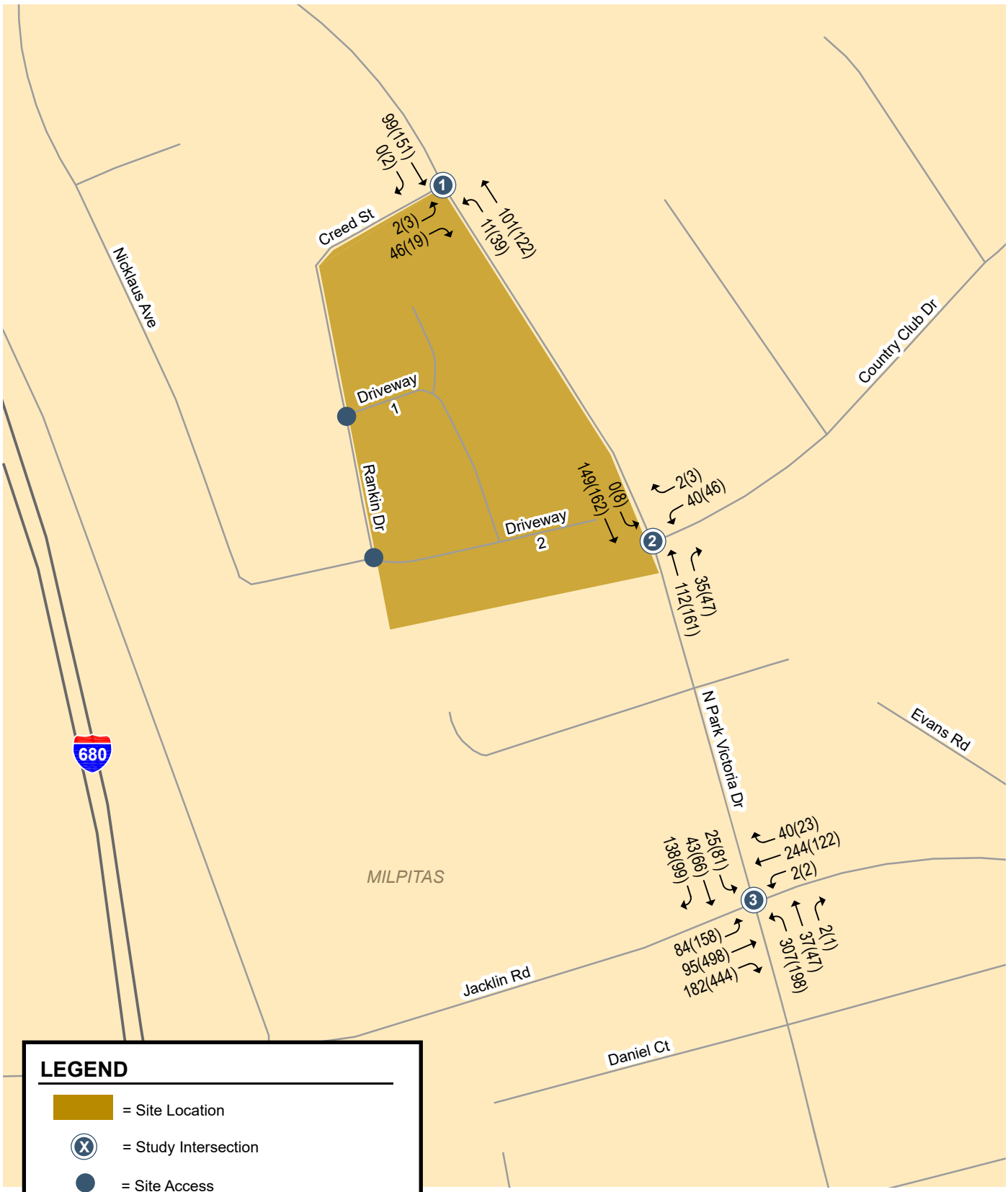


Figure 7
Cumulative With Project Traffic Volumes

Signalized Intersection Level of Service Analysis

Intersection levels of service were calculated for existing, existing plus project, cumulative and cumulative plus project conditions. The results of the signalized intersection level of service analysis under existing and existing plus project conditions are summarized in Table 2. The results of the signalized intersection level of service analysis under cumulative conditions without and with the project are summarized in Table 3.

The results show that the signalized study intersection of North Park Victoria Drive and Jacklin Road currently operates at an acceptable LOS C under existing conditions and would continue to operate at an acceptable LOS C under existing conditions with the project. Under Cumulative conditions, the intersection of North Park Victoria Drive and Jacklin Road would operate at an acceptable LOS C during both peak hours, both with and without the project. According to the City of Milpitas level of service standards, the project would therefore have no impact on the signalized intersection level of service. The level of service calculation sheets are included in Appendix B.

Unsignalized Intersection Operations Analysis

Unlike signalized intersections, which typically represent constraint points for the roadway network, unsignalized intersections rarely limit the potential capacity of a roadway. The determination of appropriate improvements to unsignalized intersections typically includes a qualitative and quantitative analysis of movement delay, traffic signal warrants, movement traffic volumes, availability of alternate routes, and intersection safety. For this reason, improvements to unsignalized intersections are frequently determined on the basis of professional engineering judgment. The City of Milpitas does not apply significance thresholds to unsignalized intersections.

Both unsignialized study intersections are side-street-stop-controlled (SSSC). For SSSC intersections, levels of service and delays are calculated for both the overall average delay for the intersection, and for the approach with highest delay.

The results of the unsignalized level of service analysis under existing and existing plus project conditions are summarized in Table 2. The results of the unsignalized intersection level of service analysis under cumulative conditions without and with the project are summarized in Table 3. The results show that, for overall intersection operations and for operations on the worst approach, both unsignalized study intersections currently and in the future would operate at an acceptable LOS B or better under all study scenarios. The unsignalized intersection level of service calculation sheets are included in Appendix B.

Signal Warrant Analysis

The level of service analysis for the unsignalized intersections was supplemented with an assessment of the need for signalization of the intersections. For this study, the need for signalization was assessed on the basis of the peak-hour volume signal warrant – warrant #3 – described in the *California Manual on Uniform Traffic Control Devices* (MUTCD). This method provides an indication of whether traffic conditions and peak-hour traffic levels are, or would be, sufficient to justify installation of a traffic signal.

The peak-hour volume signal warrant analysis was conducted for the two unsignalized, SSSC, intersections under existing and existing plus project conditions, and cumulative conditions without and with the project. The results show that the signal warrant would not be met under any of the scenarios during either peak hour. All signal warrant calculation sheets are included in Appendix C.

Table 2
Intersection Levels of Service under Existing and Existing Plus Project Conditions

				Existing		Existing + Project			
								Increase in:	
Intersection	Traffic Control	Peak Hour	LOS Standard[1]	Avg. Delay	LOS	Avg. Delay	LOS	Delay[2]	V/C
N. Park Victoria Dr & Creed St	SSSC	AM	n/a	1.2 / 8.9	A / A	2.0 / 9.0	A / A	0.8 / 0.1	n/a
		PM	n/a	0.7 / 9.3	A / A	1.5 / 9.3	A / A	0.8 / 0.0	n/a
N. Park Victoria Dr & Country Club Dr	SSSC	AM	n/a	1.3 / 10.0	A / A	1.3 / 10.2	A / B	0.0 / 0.2	n/a
		PM	n/a	1.5 / 10.4	A /B	1.5 / 10.7	A / B	0.0 / 0.3	n/a
N. Park Victoria Dr & Jacklin Rd	signal	AM	D	24.1	C	24.3	C	0.3	0.011
		PM	D	20.8	C	21.0	C	0.1	0.006

Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual (HCM) methodology. Signalized intersection levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersections are reported for both the overall average delay / the approach with highest delay.

[1] There is no LOS standard for unsignalized (SSSC) intersections.

[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay / the approach with highest delay.

Table 3
Intersection Levels of Service under Cumulative Conditions Without and With the Project

				Cumulative					
				No Project		With Project			
								Increase in:	
Intersection	Traffic Control	Peak Hour	LOS Standard[1]	Avg. Delay	LOS	Avg. Delay	LOS	Delay[2]	V/C
N. Park Victoria Dr & Creed St	SSSC	AM	n/a	1.2 / 8.9	A / A	2.0 / 9.0	A / A	0.8 / 0.1	n/a
		PM	n/a	0.7 / 9.4	A / A	1.5 / 9.4	A / A	0.8 / 0.0	n/a
N. Park Victoria Dr & Country Club Dr	SSSC	AM	n/a	1.4 / 10.1	A / B	1.4 / 10.3	A / B	0.0 / 0.2	n/a
		PM	n/a	1.5 / 10.5	A /B	1.5 / 10.8	A / B	0.0 / 0.3	n/a
N. Park Victoria Dr & Jacklin Rd	signal	AM	D	24.4	C	24.6	C	0.3	0.011
		PM	D	21.2	C	21.4	C	0.1	0.005

Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual (HCM) methodology. Signalized intersection levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersections are reported for both the overall average delay / the approach with highest delay.

[1] There is no LOS standard for unsignalized (SSSC) intersections.

[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay / the approach with highest delay.

Impacts to Pedestrians, Bicycles, and Transit

The potential impacts of the project on pedestrian, bicycle and transit are described below.

Pedestrian Facilities. Existing observations at the study intersections showed minimal pedestrian activity at the study intersections. The most pedestrian activity was observed at the intersection of North Park Victoria Drive and Jacklin Road, with 8 pedestrian crossings in the AM peak hour and 14 pedestrian crossings in the PM peak hour for all approaches combined.

According to the U.S. Census, pedestrian trips comprise approximately one percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming one percent of total commute trips would be walking trips, there would be approximately one pedestrian trip during each of the AM and PM peak hours. The proposed project also would generate pedestrian trips to/from transit stops, recreation areas, and employment centers. The volume of pedestrian trips generated by the project would not exceed the carrying capacity of the sidewalks and crosswalks nearby.

As described previously, there are currently no sidewalks along any of the project frontages, including the frontage along North Park Victoria Drive. Although very few pedestrian trips are anticipated to and from the site, the City's General Plan policies encourage non-motorized travel, including walking, bicycling and transit. The relevant *Pedestrian and Bicycle Circulation Principles and Policies* of the Milpitas General Plan are described below.

Implementing Policy 3.d.I.9:

> Require developers to make new projects as bicycle and pedestrian "friendly" as feasible, especially through facilitating pedestrian and bicycle movements within sites and between surrounding civic, recreation, education, work, and retail centers.

Sidewalk Policy 3.d.I.29:

> Require sidewalks on both sides of the street as a condition of development approval, where appropriate with local conditions.

Consistent with existing City policies, the proposed project would provide a continuous sidewalk connection along its frontages on North Park Victoria Drive, Creed Street, and Rankin Drive.

Bicycle Facilities. U.S. Census data indicate that bicycle trips comprise less than one percent of the total commute mode share in the City of Milpitas. For the proposed project, this would equate to approximately one new bike trip during each of the AM and PM peak hours. The low volume of bicycle trips generated by the project would not exceed the bicycle-carrying capacity of streets surrounding the site, and the increase in bicycle trips would not by itself require new off-site bicycle facilities. The existing bike lanes on North Park Victoria Drive would be unaffected by the proposed on-street parking along the project frontage.

According to the CMP Transportation Impact Analysis Technical Guidelines, a project would create an impact on pedestrian and bike circulation if: (1) it would reduce, sever or eliminate existing or planned bike/pedestrian access and circulation in the area; (2) it would preclude, modify, or otherwise affect proposed bicycle and pedestrian projects and/or policies identified in the Lead Agency's adopted bicycle/pedestrian plan or the plans of other agencies such as the County's bicycle plan or adjacent Cities' bicycle/pedestrian plans; or (3) it would cause a change to existing bike paths such as alignment, width of the trail ROW, or length of the trail. Construction of the proposed project would not cause any of these criteria to be met. Consequently, the proposed project would not create an adverse impact to pedestrian or bicycle facilities in the area.

Transit Service. According to the U.S. Census, transit trips comprise approximately 3 percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming 3 percent of total commute trips would be transit trips, there would be approximately one transit trip during each of the AM and PM peak hours. In addition to commute trips, there would be additional transit trips to nearby schools,

parks, and shopping areas. The low volume of transit trips generated by the project would not exceed the carrying capacity of the existing transit service to the site.

According to the VTA TIA Technical Guidelines, a project would create an impact on transit if: (1) it would generate a demand for additional transit services; or (2) it would cause a permanent or temporary reduction of transit availability or interference with existing transit users, e.g., relocation/closure of a transit stop or vacation of a roadway utilized by transit. The project, by itself, would not require additional transit service to the area or improvements to existing transit service frequencies. The project would not preclude, modify or otherwise affect existing or proposed transit projects or policies identified by the VTA. Consequently, the proposed project would not create an adverse impact to transit service in the area.

Site Access

The project site plan, by Robert Hidey Architects, dated April 25, 2019, is shown on Figure 8. The site would have access via two driveways on Rankin Drive, which is accessible to North Park Victoria Drive by way of Creed Street. Rankin Drive is a two-lane residential street approximately 27-feet wide with on-street parking on the west side. Rankin Drive forms the western border of the site. The site would have no access on North Park Victoria Drive. According to the site plan, the project proposes to construct along the North Park Victoria Drive frontage a sidewalk and provide on-street parking recessed from the alignment of the existing southbound bike lane. The setback of on-street parking would be facilitated by a bulbout at the Creed Street intersection and a curb taper at the south end of the site. As described previously, the on-street parking and attendant design features would not affect the existing southbound bike lane. This design is consistent with the existing cross-section of N. Park Victoria north of the project site, which allows for vehicular parking adjacent to a bike lane. According to the Statewide Integrated Traffic Records System (SWITRS), there have been no vehicular accidents on N. Park Victoria Drive north of Country Club Drive in the past three years.

The north driveway is shown on the site plan to be 28 feet wide, located approximately 200 feet south of Creed Street. The south driveway is shown on the site plan to be 26 feet wide, located approximately 250 feet south of the north driveway, opposite Nicklaus Avenue.

Vehicle queuing was assessed for the two site driveways, in particular, the inbound left turns into the driveways and the outbound right turns out of the driveways. The inbound left turns from southbound Rankin Drive into the driveways are assessed in terms of potential for creating backups on southbound Rankin Drive as a result of waiting to turn into the site. With Rankin Drive having one lane in each of the northbound and southbound directions, any stoppage of vehicles on Rankin Drive at the driveways could create a backup on Rankin Drive. The volume of peak-hour traffic on the section of Rankin Drive fronting the site is currently very low, equating to one car every two minutes, on average. With this low volume of traffic, gaps in traffic would be of sufficient frequency and duration as to provide relatively free and unimpeded left-turn access into the driveways.

The outbound turns out of the site driveways are assessed in terms of potential for creating backups on site, specifically, the potential for westbound vehicle queues to back up from Rankin Drive and block one of the residence's driveways on site. At both driveways, the distance from Rankin Drive back to the first driveway is about 35 feet- sufficient for one car length. The outbound volumes would be highest in the AM peak hour. As shown on Figure 3, the AM peak-hour volume of outbound vehicles is 14 cars at the north driveway and 7 cars at the south driveway. As stated above, the volume of traffic on the section of Rankin Drive fronting the site would be low enough that any on-site vehicle queues exceeding one car would be infrequent and brief in duration.

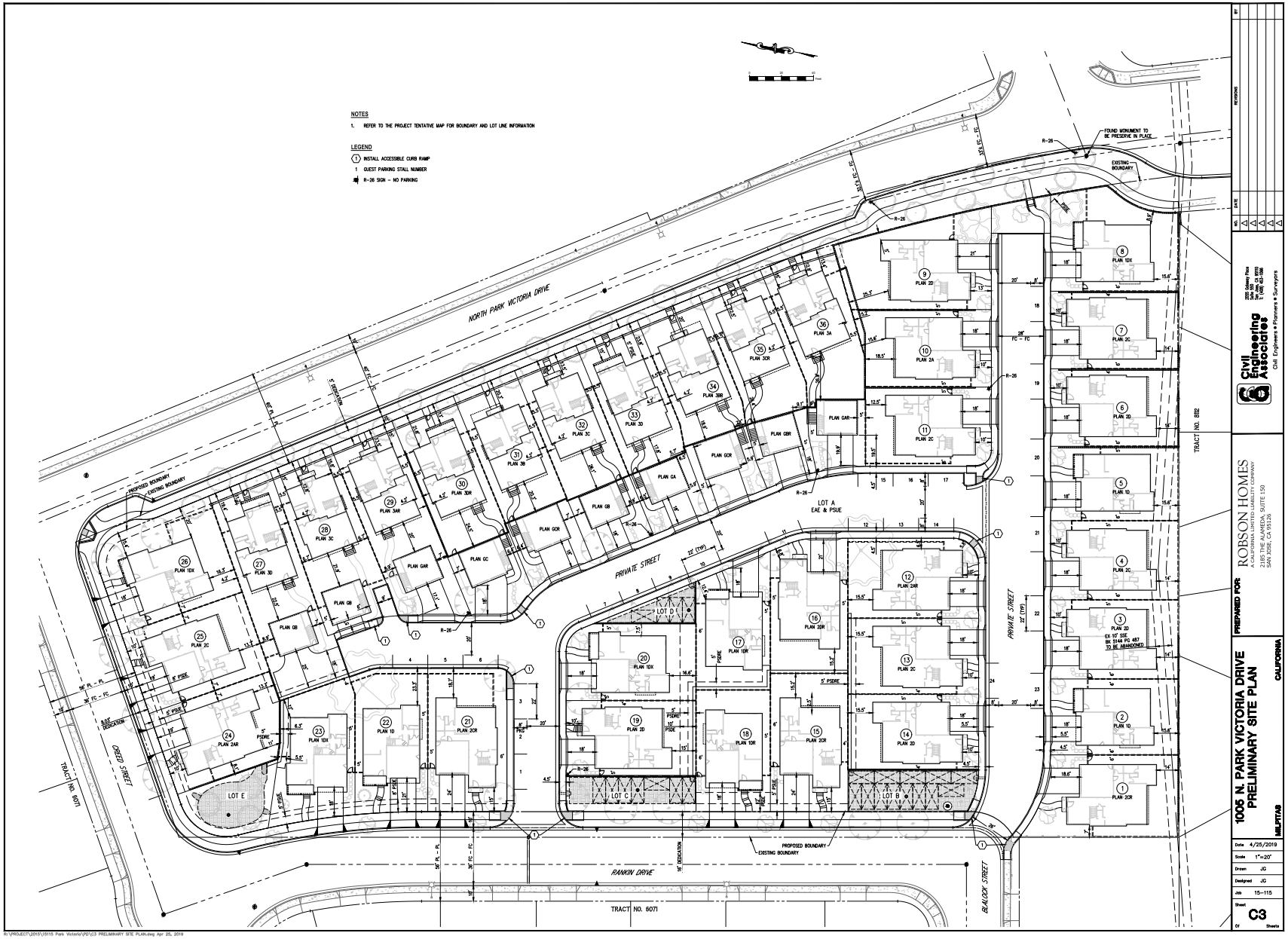


Figure 8
Site Plan

Vehicular sight distance was evaluated for each proposed project driveway. Given the existing conditions on Rankin Drive- the 25-mile-per-hour speed limit, the low volume of traffic, and the absence of physical obstructions, the sight distance at both driveways would be adequate. The only factors potentially affecting sight distance are on-street parking and any new physical obstructions that would accompany development of the site. The site plan does not show any on-street parking proposed on Rankin Drive.

Recommendation 1: The final design of the site should be reviewed by City staff to ensure that adequate sight distance is provided at the site driveways.

Site Circulation

The on-site circulation system consists of a semi-rectangular loop connecting the North and South Driveways. From the northern end of the loop extends a 105-foot, north-south cul-de-sac parallel to Rankin Drive. From the southern end of the loop extends a 150-foot, east-west, cul-de-sac.

The streets on-site are shown to be two-lanes wide with parking on-street. The northern half of the north-south street, the east-west street at the north, and the two cul-de-sacs are shown to be 28-feet wide with parking on one side. The southern half of the north-south street and the east-west street at the south are shown to be 36-feet wide with parking on both sides. The curb radii at the intersecting streets are not specified, but they appear to be adequate, measuring a minimum of 20 feet. With sidewalks along each on-site street, the building setbacks, and the low vehicle speeds and volumes, the sight distances at the intersections on site would be satisfactory.

The two cul-de-sacs are, by definition, dead-end streets. Neither provide space for a turnaround. However, since the streets are private streets used only by residents or their guests, all vehicles entering the cul-de-sacs would likely be assured a place to park or place to turn around. Therefore, the dead ends are not inappropriate for the project use.

The on-site street circulation- street alignments, widths and corner radii- is adequate to accommodate the circulation of trucks, garbage collection, and emergency vehicles. The length of the cul-de-sacs should be short enough (105 feet and 150 feet) to accommodate fire department services. Loading would be provided on street or in private driveways.

Pedestrian circulation on-site, and pedestrian access to off-site pedestrian facilities, appears adequate. All streets on-site are shown to have sidewalks on both sides, and sidewalks are shown to be provided along all public streets fronting the site- North Park Victoria Drive, Creed Street and Rankin Drive, none of which currently have sidewalks. At the east end of the east-west street on south side of the site, the sidewalk is shown extended to the proposed new sidewalk on North Park Victoria Drive. This would provide residents with convenient pedestrian access to pedestrian facilities off site.

The site plan does not indicate any provisions for bicycle parking. The Milpitas city code requires bicycle parking be provided in an amount equal to or greater than 5 percent of the total vehicle parking required. It is common, however, that for residential units with garages, bike parking would presumably be provided within private garages.

Recommendation 2: The number, type and location of bicycle facilities provided by the project will be subject to review by city staff.

Conclusions

The impacts of the proposed project were evaluated in accordance with the procedures and guidelines specified by the City of Milpitas. The analysis resulted in the following key findings:

- The proposed project would not result in any level of service impacts to the study intersections.
- Signal warrants are not and would not be met under existing or cumulative conditions without or with the addition of project traffic during either peak hour.
- The project would not create any impacts on pedestrian, bike, or transit facilities.

In addition, the analysis also produced the following recommendations with regard to site circulation and access:

1. The final design of the site should be reviewed by City staff to ensure that adequate sight distance is provided at the site driveways.
2. The number, type and location of bicycle facilities provided by the project will be subject to review by city staff.

Technical Appendices

Appendix A

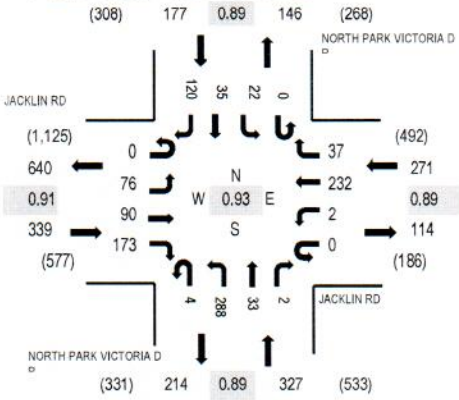
Traffic Counts

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

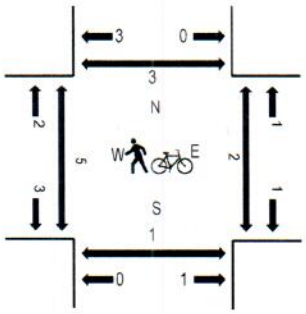
Location: 1 NORTH PARK VICTORIA DR & JACKLIN RD AM
Date: Tuesday, April 23, 2019
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 08:00 AM - 08:15 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	JACKLIN RD Eastbound				JACKLIN RD Westbound				NORTH PARK VICTORIA DR Northbound				NORTH PARK VICTORIA DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	23	7	13	0	0	38	5	1	33	3	0	0	3	1	29	156	885	0	1	0	0
7:15 AM	0	14	13	27	0	0	50	3	0	59	4	1	0	2	5	21	199	1,030	1	0	1	0
7:30 AM	0	19	12	40	0	1	57	11	0	66	10	2	0	5	7	37	267	1,114	1	1	0	0
7:45 AM	0	16	28	49	0	0	51	6	2	68	6	0	0	3	14	20	263	1,055	0	0	0	0
8:00 AM	0	19	21	43	0	1	62	13	1	83	8	0	0	5	10	35	301	1,025	0	1	0	0
8:15 AM	0	22	29	41	0	0	62	7	1	71	9	0	0	9	4	28	283		0	0	1	0
8:30 AM	0	22	14	33	0	0	47	10	0	47	7	2	0	0	5	21	208		0	0	3	1
8:45 AM	0	20	22	30	0	0	61	7	0	42	4	3	0	5	2	37	233		0	0	1	1

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	75	90	167	0	2	230	37	4	285	33	2	0	22	35	119	1,101
Mediums	0	1	0	5	0	0	2	0	0	3	0	0	0	0	0	1	12
Total	0	76	90	173	0	2	232	37	4	288	33	2	0	22	35	120	1,114

All Traffic Data Services Inc.

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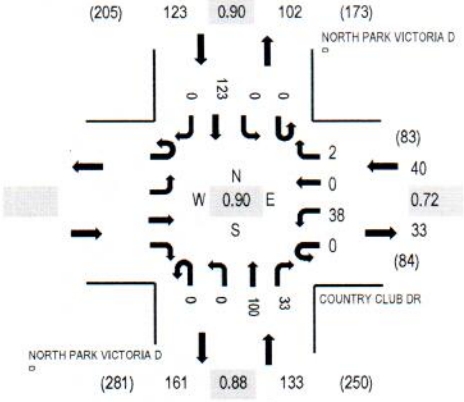
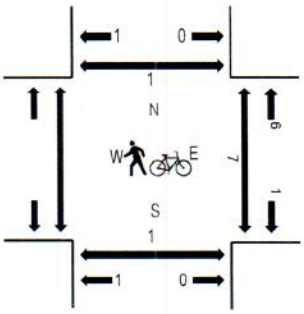
Location: 2 NORTH PARK VICTORIA DR & COUNTRY CLUB DR AM
Date: Tuesday, April 23, 2019
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	Eastbound				COUNTRY CLUB DR Westbound				NORTH PARK VICTORIA DR Northbound				NORTH PARK VICTORIA DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM					0	6	0	0	0	0	19	13	0	0	23	0	61	255		3	0	0
7:15 AM					0	10	0	0	0	0	10	12	0	0	18	0	50	268		0	0	0
7:30 AM					0	12	0	0	0	0	28	8	0	0	34	0	82	296		1	0	0
7:45 AM					0	6	0	0	0	0	20	8	0	0	28	0	62	275		1	0	0
8:00 AM					0	11	0	0	0	0	24	7	0	0	32	0	74	283		3	0	0
8:15 AM					0	9	0	2	0	0	28	10	0	0	29	0	78			2	1	0
8:30 AM					0	9	0	1	0	0	23	12	0	1	15	0	61			1	0	0
8:45 AM					0	15	0	2	0	0	16	12	0	1	24	0	70			0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total
Articulated Trucks					0	0	0	0	0	0	0	0	0	0	0	0	0
Bicycles on Road					0	0	0	0	0	0	0	0	0	0	0	0	0
Lights					0	38	0	2	0	0	99	33	0	0	122	0	294
Mediums					0	0	0	0	0	0	1	0	0	0	1	0	2
Total					0	38	0	2	0	0	100	33	0	0	123	0	296

All Traffic Data Services Inc.

(303) 216-2439
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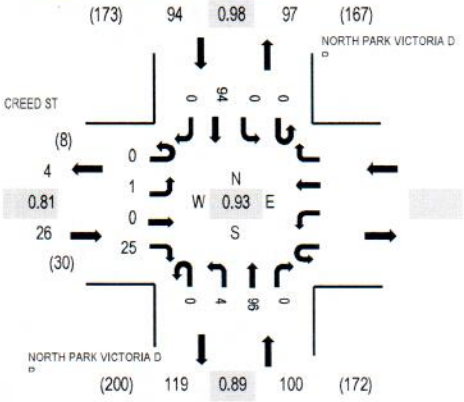
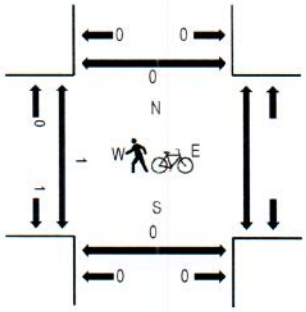
Location: 3 NORTH PARK VICTORIA DR & CREED ST AM
Date: Tuesday, April 23, 2019
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	CREED ST Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	NORTH PARK VICTORIA DR Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	NORTH PARK VICTORIA DR Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total	Rolling Hour	Pedestrian Crossings West	East	South	North
7:00 AM	0	0	0	0					0	0	18	0	0	0	23	0	41	174	0		0	0
7:15 AM	0	0	0	0					0	0	10	0	0	0	17	0	27	189	0		0	0
7:30 AM	0	0	0	8					0	0	27	0	0	0	24	0	59	220	1		0	0
7:45 AM	0	0	0	5					0	0	20	0	0	0	22	0	47	206	0		0	0
8:00 AM	0	0	0	7					0	3	22	0	0	0	24	0	56	201	0		0	0
8:15 AM	0	1	0	5					0	1	27	0	0	0	24	0	58		0		0	0
8:30 AM	0	2	0	0					1	2	23	0	0	0	16	1	45		1		0	0
8:45 AM	0	0	0	2					0	1	17	0	0	0	22	0	42		0		0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total
Articulated Trucks	0	0	0	0					0	0	0	0	0	0	0	0	0
Bicycles on Road	0	0	0	0					0	0	0	0	0	0	0	0	0
Lights	0	1	0	25					0	4	95	0	0	0	93	0	218
Mediums	0	0	0	0					0	0	1	0	0	0	1	0	2
Total	0	1	0	25					0	4	96	0	0	0	94	0	220

All Traffic Data Services Inc.

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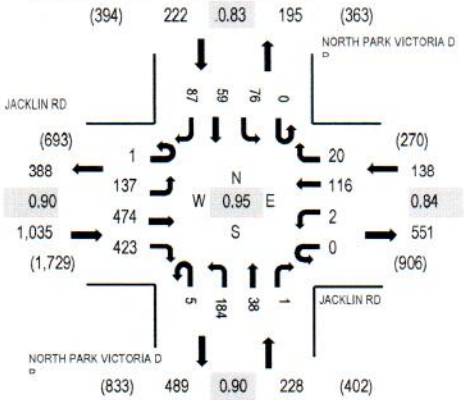
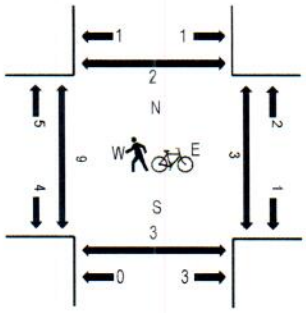
Location: 1 NORTH PARK VICTORIA DR & JACKLIN RD PM
Date: Tuesday, April 23, 2019
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	JACKLIN RD Eastbound				JACKLIN RD Westbound				NORTH PARK VICTORIA DR Northbound				NORTH PARK VICTORIA DR Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	32	57	69	0	1	30	5	1	34	9	1	0	17	10	17	283	1,172	0	0	0	0
4:15 PM	0	26	60	67	0	1	21	7	3	29	11	1	0	17	13	13	269	1,275	0	1	0	1
4:30 PM	0	32	75	73	0	0	27	4	1	36	6	1	0	11	10	19	295	1,405	0	0	0	0
4:45 PM	0	30	93	80	0	3	29	4	0	39	2	0	0	22	12	11	325	1,536	0	0	0	0
5:00 PM	0	35	109	98	0	1	25	5	2	38	8	1	0	28	16	20	386	1,623	0	2	1	2
5:15 PM	0	38	121	105	0	0	26	4	1	49	4	0	0	16	11	24	399		1	0	0	0
5:30 PM	0	32	132	123	0	1	32	3	0	53	10	0	0	14	14	12	426		5	1	0	0
5:45 PM	1	32	112	97	0	0	33	8	2	44	16	0	0	18	18	31	412		2	0	0	0

Peak Rolling Hour Flow Rates

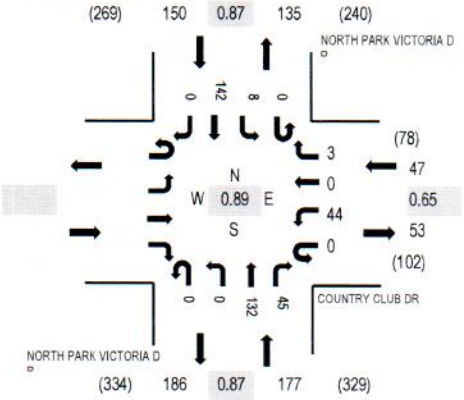
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	1	137	472	420	0	2	115	20	5	182	37	1	0	76	59	85	1,612
Mediums	0	0	2	3	0	0	1	0	0	2	1	0	0	0	0	1	10
Total	1	137	474	423	0	2	116	20	5	184	38	1	0	76	59	87	1,623

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

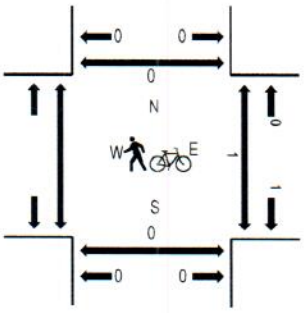
Location: 2 NORTH PARK VICTORIA DR & COUNTRY CLUB DR PM
Date: Tuesday, April 23, 2019
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:45 PM - 06:00 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	COUNTRY CLUB DR Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	NORTH PARK VICTORIA DR Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	NORTH PARK VICTORIA DR Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total	Rolling Hour	Pedestrian Crossings West	East	South	North
4:00 PM					0	6	0	0	0	0	28	13	0	1	30	0	78	302		0	0	0
4:15 PM					0	10	0	1	0	0	30	9	0	0	30	0	80	317		1	0	1
4:30 PM					0	3	0	0	0	0	27	13	0	0	29	0	72	334		1	0	0
4:45 PM					0	11	0	0	0	0	19	13	0	0	29	0	72	341		0	0	0
5:00 PM					0	16	0	0	0	0	29	13	0	0	35	0	93	374		0	0	0
5:15 PM					0	8	0	2	0	0	31	13	0	3	40	0	97			0	0	0
5:30 PM					0	3	0	0	0	0	29	11	0	3	33	0	79			0	0	0
5:45 PM					0	17	0	1	0	0	43	8	0	2	34	0	105			1	0	0

Peak Rolling Hour Flow Rates

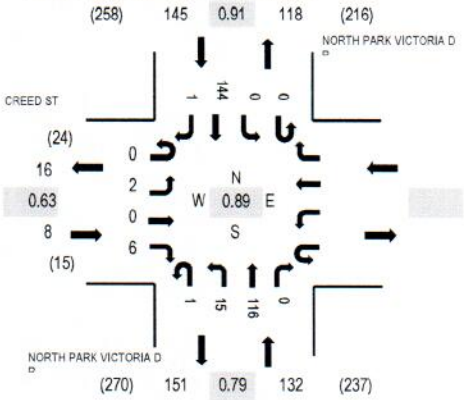
Vehicle Type	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total
Articulated Trucks					0	1	0	0	0	0	0	1	0	0	0	0	2
Bicycles on Road					0	0	0	0	0	0	0	0	0	0	0	0	0
Lights					0	42	0	3	0	0	131	43	0	8	142	0	369
Mediums					0	1	0	0	0	0	1	1	0	0	0	0	3
Total					0	44	0	3	0	0	132	45	0	8	142	0	374

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

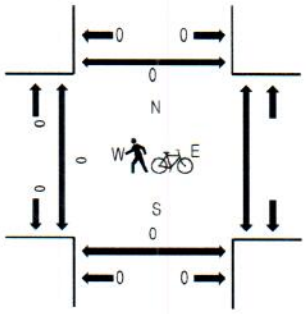
Location: 3 NORTH PARK VICTORIA DR & CREED ST PM
Date: Tuesday, April 23, 2019
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:45 PM - 06:00 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	CREED ST Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	NORTH PARK VICTORIA DR Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	NORTH PARK VICTORIA DR Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total	Rolling Hour	Pedestrian Crossings West	East	South	North
4:00 PM	0	0	0	1					0	3	23	0	0	0	30	0	57	225	0		0	0
4:15 PM	0	0	0	1					0	1	31	0	0	0	28	1	62	232	0		0	0
4:30 PM	0	0	0	3					0	1	27	0	0	0	28	0	59	244	0		0	0
4:45 PM	0	0	0	2					0	2	17	0	0	0	26	0	47	252	0		0	0
5:00 PM	0	0	0	1					0	2	27	0	0	0	34	0	64	285	0		0	0
5:15 PM	0	1	0	3					0	4	26	0	0	0	40	0	74		0		0	0
5:30 PM	0	0	0	1					0	3	28	0	0	0	35	0	67		0		0	0
5:45 PM	0	1	0	1					1	6	35	0	0	0	35	1	80		0		0	0

Peak Rolling Hour Flow Rates

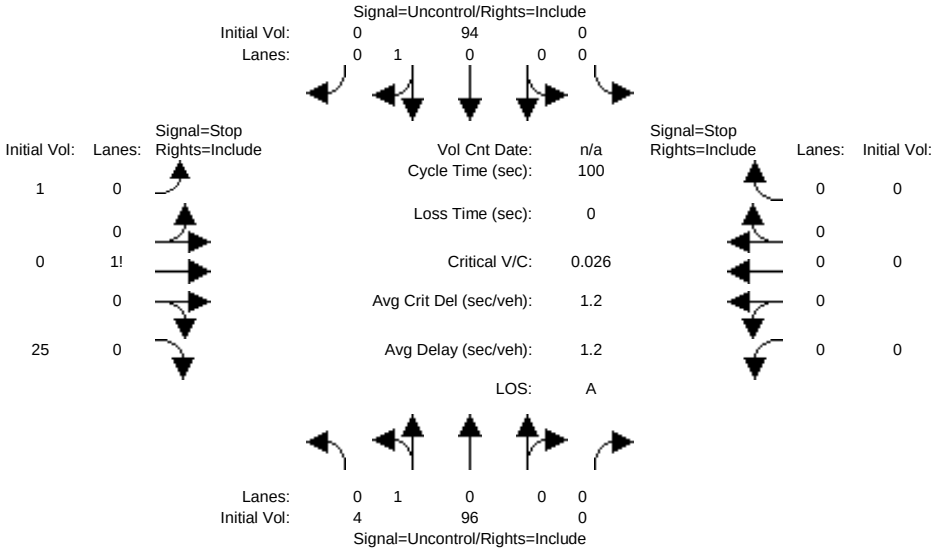
Vehicle Type	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total
Articulated Trucks	0	0	0	0					0	0	0	0	0	0	0	0	0
Bicycles on Road	0	0	0	0					0	0	0	0	0	0	0	0	0
Lights	0	1	0	6					1	15	115	0	0	0	144	1	283
Mediums	0	1	0	0					0	0	1	0	0	0	0	0	2
Total	0	2	0	6					1	15	116	0	0	0	144	1	285

Appendix B

Intersection Level of Service Calculations

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       4   96     0     0   94     0     1    0    25     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    4   96     0     0   94     0     1    0    25     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     4   96     0     0   94     0     1    0    25     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    4   96     0     0   94     0     1    0    25     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   95 xxxx xxxxx  xxxx xxxx xxxxx   199  199    95  xxxx xxxx xxxxx
Potent Cap.: 1512 xxxx xxxxx  xxxx xxxx xxxxx   794  700   967  xxxx xxxx xxxxx
Move Cap.:   1510 xxxx xxxxx  xxxx xxxx xxxxx   792  698   966  xxxx xxxx xxxxx
Volume/Cap:  0.00 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.03  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  958 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  8.9 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              8.9           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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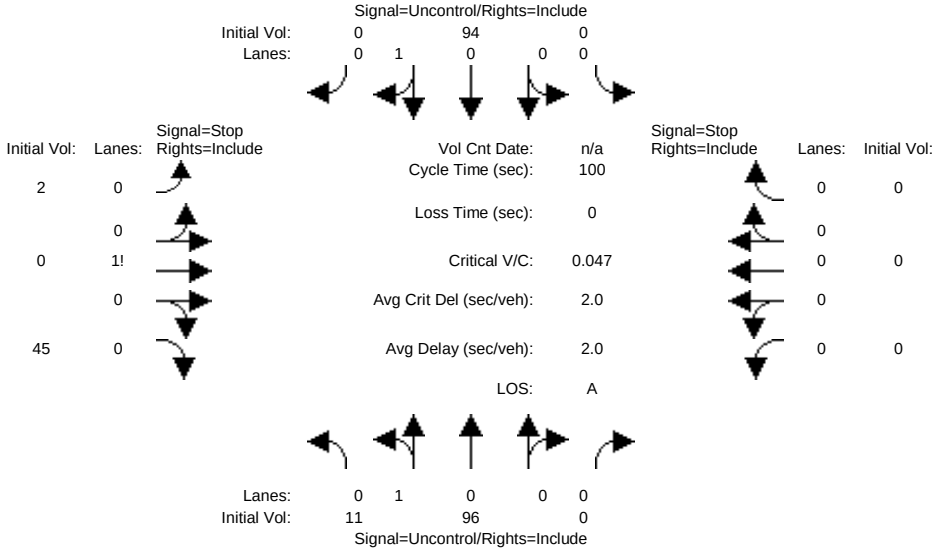
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project AM

Intersection #1: North Park Victoria Drive & Creed Street

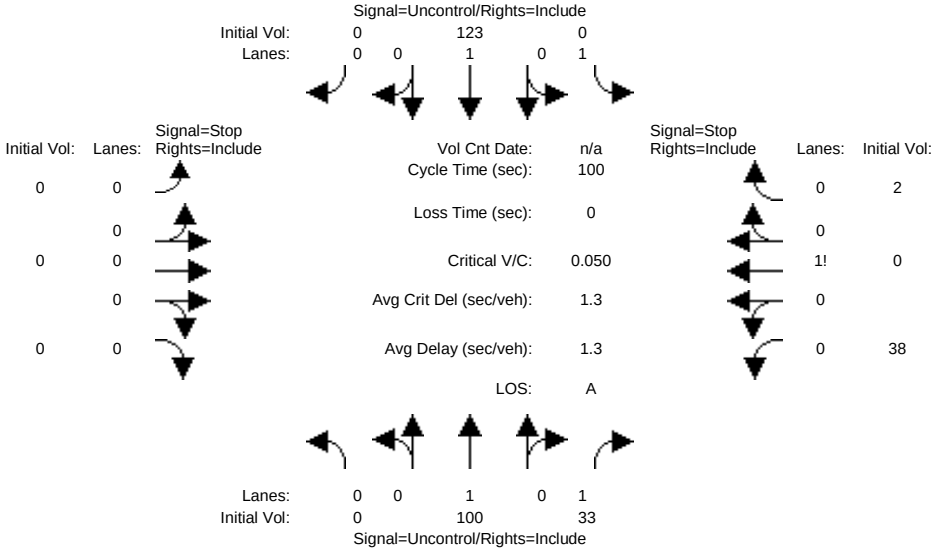



```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      11   96     0     0   94     0     2    0    45     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   11   96     0     0   94     0     2    0    45     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    11   96     0     0   94     0     2    0    45     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   11   96     0     0   94     0     2    0    45     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   95 xxxx xxxxx  xxxx xxxx xxxxx   213  213    95  xxxx xxxx xxxxx
Potent Cap.: 1512 xxxx xxxxx  xxxx xxxx xxxxx   780  688   967  xxxx xxxx xxxxx
Move Cap.:   1510 xxxx xxxxx  xxxx xxxx xxxxx   775  682   966  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.05  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  956 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.0 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.0           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```

North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  100    33     0  123     0     0    0     0    38    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  100    33     0  123     0     0    0     0    38    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  100    33     0  123     0     0    0     0    38    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  100    33     0  123     0     0    0     0    38    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   231  230   108
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   762  673   951
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   757  669   945
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.05 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  764 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.0 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    A     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.0
ApproachLOS:         *                *                *                A
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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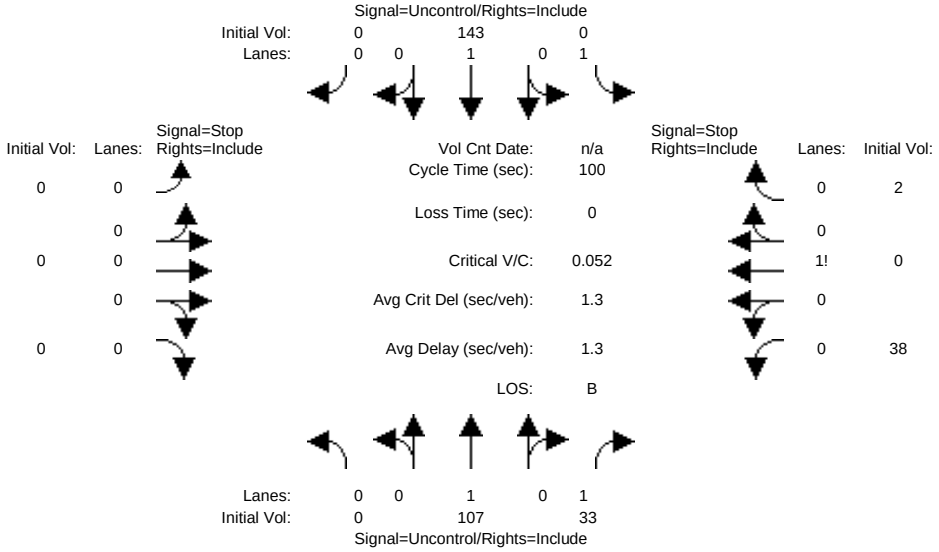
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project AM

Intersection #2: North Park Victoria Drive & Country Club Drive

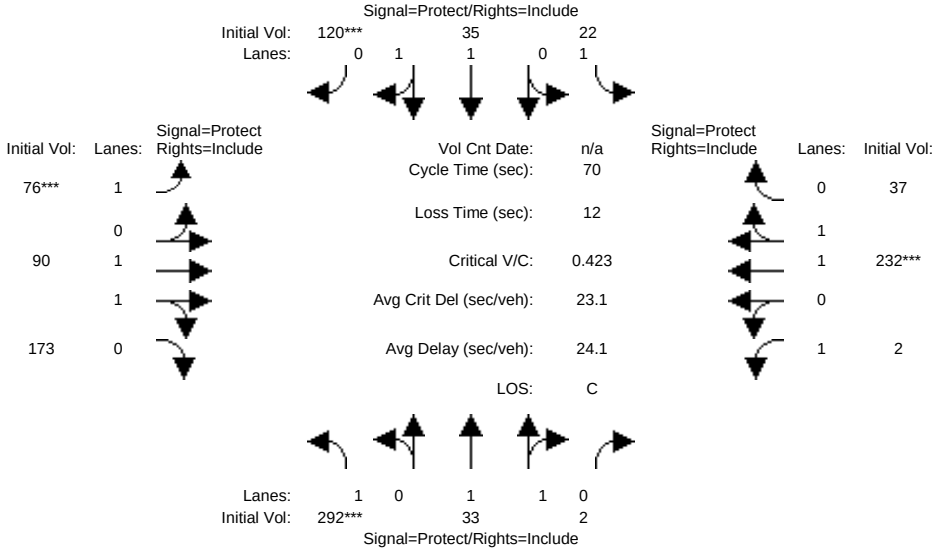



```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  107    33     0  143     0     0    0     0    38    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  107    33     0  143     0     0    0     0    38    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  107    33     0  143     0     0    0     0    38    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  107    33     0  143     0     0    0     0    38    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   258  257   115
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   735  651   943
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   730  647   937
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.05 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  738 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.2 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.2
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```

North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	292	33	2	22	35	120	76	90	173	2	232	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	292	33	2	22	35	120	76	90	173	2	232	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	292	33	2	22	35	120	76	90	173	2	232	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	292	33	2	22	35	120	76	90	173	2	232	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	292	33	2	22	35	120	76	90	173	2	232	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3565	216	1750	1900	1750	1750	1900	1750	1750	3239	517
Capacity Analysis Module:												
Vol/Sat:	0.17	0.01	0.01	0.01	0.02	0.07	0.04	0.05	0.10	0.00	0.07	0.07
Crit Moves:	****					****	****				****	
Green Time:	27.6	22.9	22.9	16.0	11.3	11.3	7.2	11.2	11.2	7.8	11.9	11.9
Volume/Cap:	0.42	0.03	0.03	0.05	0.11	0.42	0.42	0.30	0.62	0.01	0.42	0.42
Delay/Veh:	15.8	16.0	16.0	21.1	25.1	27.2	31.1	26.1	30.2	27.7	26.5	26.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	15.8	16.0	16.0	21.1	25.1	27.2	31.1	26.1	30.2	27.7	26.5	26.5
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	10	1	1	1	1	6	4	4	10	0	6	6

Note: Queue reported is the number of cars per lane.

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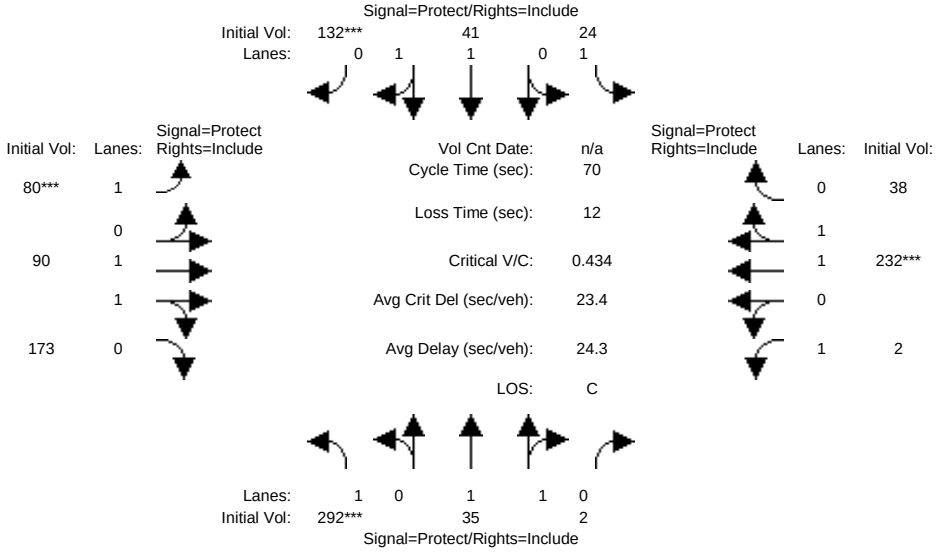
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	292	35	2	24	41	132	80	90	173	2	232	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	292	35	2	24	41	132	80	90	173	2	232	38
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	292	35	2	24	41	132	80	90	173	2	232	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	292	35	2	24	41	132	80	90	173	2	232	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	292	35	2	24	41	132	80	90	173	2	232	38
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3578	204	1750	1900	1750	1750	1900	1750	1750	3226	528
Capacity Analysis Module:												
Vol/Sat:	0.17	0.01	0.01	0.01	0.02	0.08	0.05	0.05	0.10	0.00	0.07	0.07
Crit Moves:	****					****	****				****	
Green Time:	26.9	23.0	23.0	16.1	12.2	12.2	7.4	11.2	11.2	7.8	11.6	11.6
Volume/Cap:	0.43	0.03	0.03	0.06	0.12	0.43	0.43	0.30	0.62	0.01	0.43	0.43
Delay/Veh:	16.4	16.0	16.0	21.1	24.5	26.6	31.0	26.2	30.3	27.7	26.7	26.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.4	16.0	16.0	21.1	24.5	26.6	31.0	26.2	30.3	27.7	26.7	26.7
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	10	1	1	1	2	6	5	4	10	0	6	6

Note: Queue reported is the number of cars per lane.

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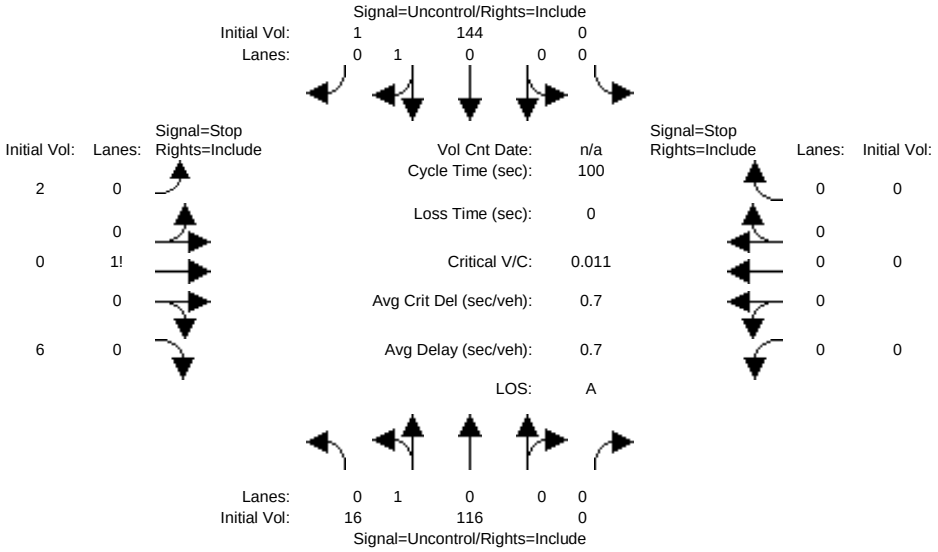
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      16  116     0     0  144     1     2    0     6     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   16  116     0     0  144     1     2    0     6     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    16  116     0     0  144     1     2    0     6     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   16  116     0     0  144     1     2    0     6     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  145 xxxx xxxxx  xxxx xxxx xxxxx   293  293   145  xxxx xxxx xxxxx
Potent Cap.: 1450 xxxx xxxxx  xxxx xxxx xxxxx   703  622   908  xxxx xxxx xxxxx
Move Cap.:   1450 xxxx xxxxx  xxxx xxxx xxxxx   697  615   908  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.01  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  844 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.0 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.3 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.3           xxxxxx
ApproachLOS:         *                *               A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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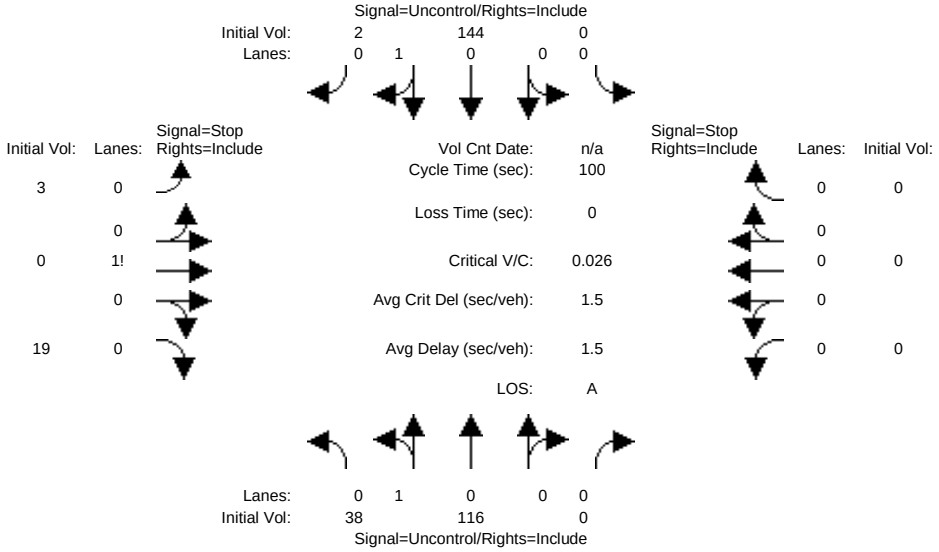
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project PM

Intersection #1: North Park Victoria Drive & Creed Street

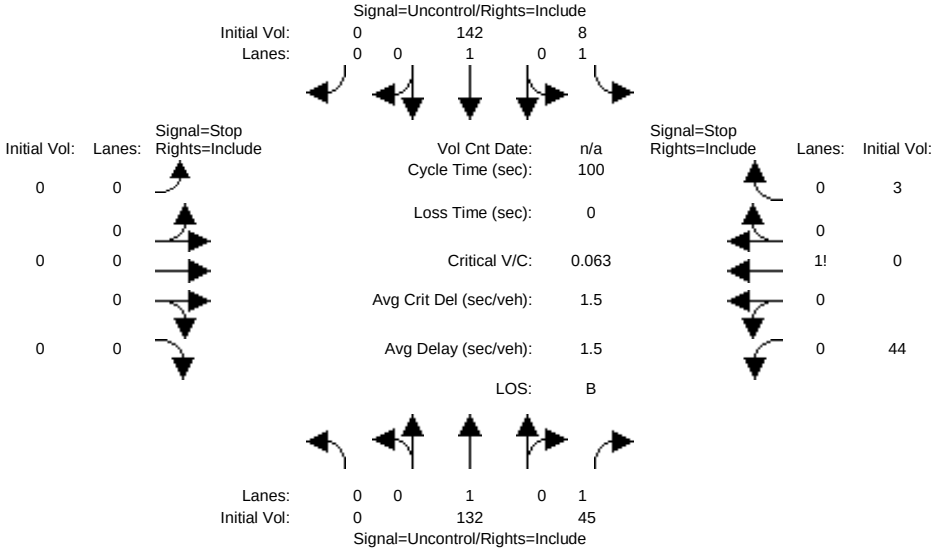



```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      38  116     0     0  144     2     3    0    19     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   38  116     0     0  144     2     3    0    19     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    38  116     0     0  144     2     3    0    19     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   38  116     0     0  144     2     3    0    19     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  146 xxxx xxxxx  xxxx xxxx xxxxx   337  337   145  xxxx xxxx xxxxx
Potent Cap.: 1448 xxxx xxxxx  xxxx xxxx xxxxx   663  587   908  xxxx xxxx xxxxx
Move Cap.:   1448 xxxx xxxxx  xxxx xxxx xxxxx   649  571   908  xxxx xxxx xxxxx
Volume/Cap:  0.03 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.02  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  861 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.3 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.3           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```

North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  132    45     8  142     0     0    0     0    44    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  132    45     8  142     0     0    0     0    44    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  132    45     8  142     0     0    0     0    44    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  132    45     8  142     0     0    0     0    44    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   178 xxxx xxxxx  xxxx xxxx xxxxx   291  291   133
Potent Cap.: xxxx xxxx xxxxx  1410 xxxx xxxxx  xxxx xxxx xxxxx   704  623   922
Move Cap.:   xxxx xxxx xxxxx  1409 xxxx xxxxx  xxxx xxxx xxxxx   700  619   921
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.06 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  711 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.4 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.4
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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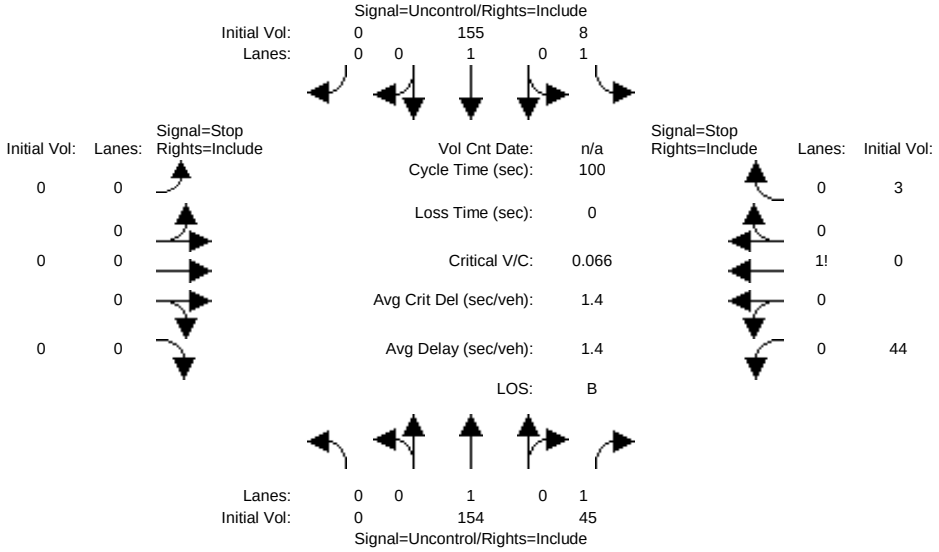
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  154    45     8  155     0     0    0     0    44    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  154    45     8  155     0     0    0     0    44    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  154    45     8  155     0     0    0     0    44    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  154    45     8  155     0     0    0     0    44    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   200 xxxx xxxxx  xxxx xxxx xxxxx   326  326   155
Potent Cap.: xxxx xxxx xxxxx  1384 xxxx xxxxx  xxxx xxxx xxxxx   672  596   896
Move Cap.:   xxxx xxxx xxxxx  1383 xxxx xxxxx  xxxx xxxx xxxxx   669  592   895
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.07 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  680 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.7 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.7
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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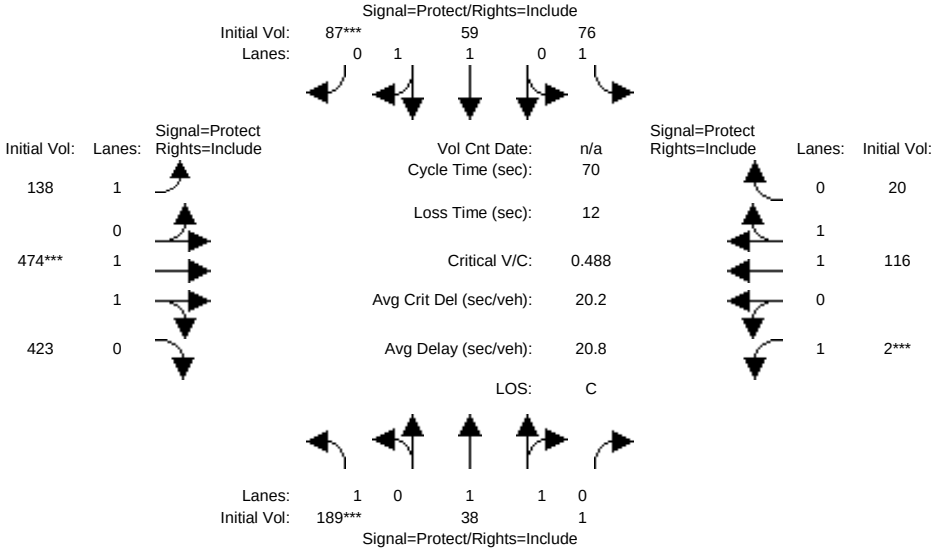
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	189	38	1	76	59	87	138	474	423	2	116	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	189	38	1	76	59	87	138	474	423	2	116	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	189	38	1	76	59	87	138	474	423	2	116	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	189	38	1	76	59	87	138	474	423	2	116	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	189	38	1	76	59	87	138	474	423	2	116	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.94	0.06	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.68	0.32
Final Sat.:	1750	3694	97	1750	1900	1750	1750	1930	1722	1750	3201	552
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.04	0.03	0.05	0.08	0.25	0.25	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.60	0.05	0.05	0.33	0.22	0.35	0.38	0.60	0.60	0.01	0.12	0.12
Delay/Veh:	29.8	23.3	23.3	28.4	26.7	27.6	24.4	17.0	17.0	28.4	17.9	17.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	29.8	23.3	23.3	28.4	26.7	27.6	24.4	17.0	17.0	28.4	17.9	17.9
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	10	1	1	4	3	4	6	16	16	0	2	2

Note: Queue reported is the number of cars per lane.

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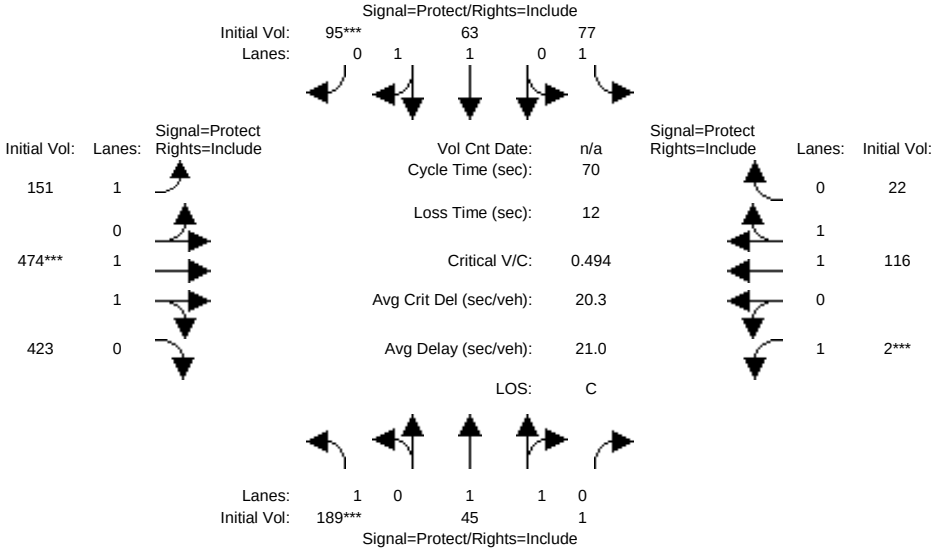
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	189	45	1	77	63	95	151	474	423	2	116	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	189	45	1	77	63	95	151	474	423	2	116	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	189	45	1	77	63	95	151	474	423	2	116	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	189	45	1	77	63	95	151	474	423	2	116	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	189	45	1	77	63	95	151	474	423	2	116	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.95	0.05	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.66	0.34
Final Sat.:	1750	3710	82	1750	1900	1750	1750	1930	1722	1750	3151	598
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.04	0.03	0.05	0.09	0.25	0.25	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.60	0.06	0.06	0.33	0.23	0.38	0.41	0.60	0.60	0.01	0.12	0.12
Delay/Veh:	29.8	23.3	23.3	28.4	26.8	27.8	24.7	17.0	17.0	28.4	18.0	18.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	29.8	23.3	23.3	28.4	26.8	27.8	24.7	17.0	17.0	28.4	18.0	18.0
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	10	1	1	4	3	5	7	16	16	0	2	2

Note: Queue reported is the number of cars per lane.

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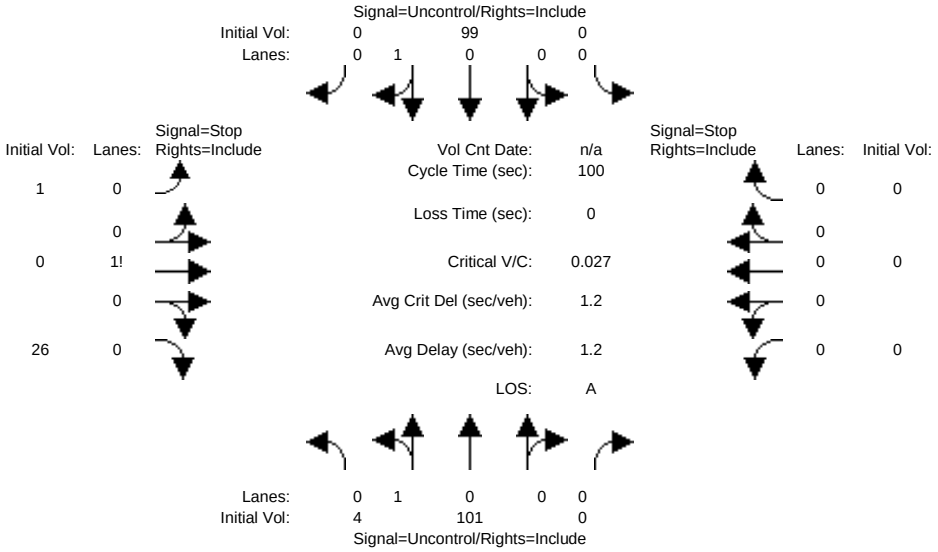
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       4  101     0     0   99     0     1    0    26     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    4  101     0     0   99     0     1    0    26     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     4  101     0     0   99     0     1    0    26     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    4  101     0     0   99     0     1    0    26     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  100 xxxx xxxxx  xxxx xxxx xxxxx   209  209   100  xxxx xxxx xxxxx
Potent Cap.: 1505 xxxx xxxxx  xxxx xxxx xxxxx   784  692   961  xxxx xxxx xxxxx
Move Cap.:   1504 xxxx xxxxx  xxxx xxxx xxxxx   782  689   960  xxxx xxxx xxxxx
Volume/Cap:  0.00 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.03  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  952 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  8.9 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              8.9           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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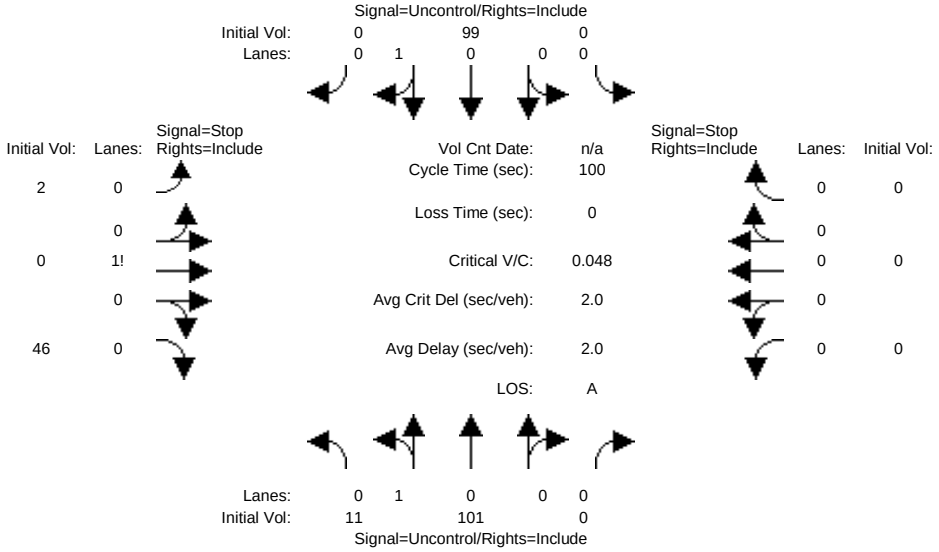
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      11  101     0     0   99     0     2    0    46     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   11  101     0     0   99     0     2    0    46     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    11  101     0     0   99     0     2    0    46     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   11  101     0     0   99     0     2    0    46     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  100 xxxx xxxxx  xxxx xxxx xxxxx   223  223   100  xxxx xxxx xxxxx
Potent Cap.: 1505 xxxx xxxxx  xxxx xxxx xxxxx   770  679   961  xxxx xxxx xxxxx
Move Cap.:   1504 xxxx xxxxx  xxxx xxxx xxxxx   765  674   960  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.05  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  950 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.0 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.0           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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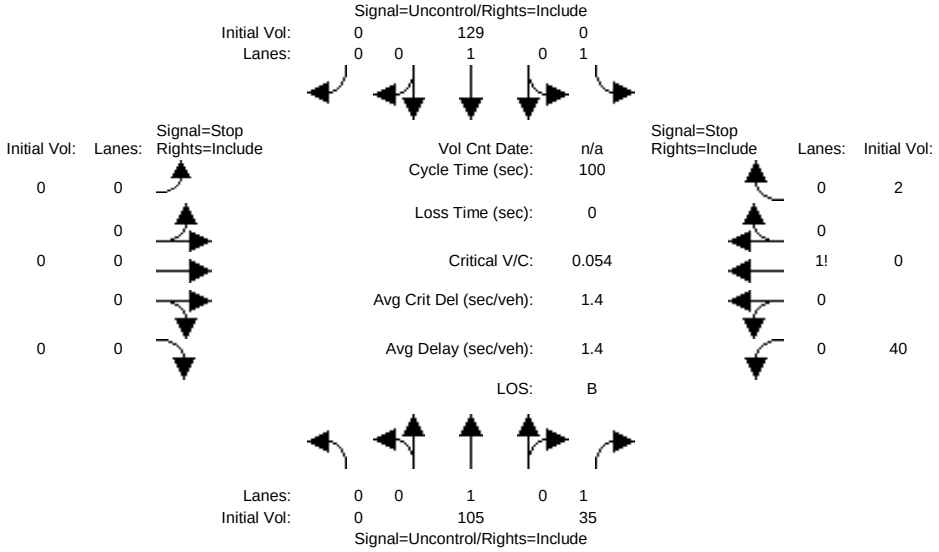
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  105    35     0  129     0     0    0     0    40    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  105    35     0  129     0     0    0     0    40    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  105    35     0  129     0     0    0     0    40    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  105    35     0  129     0     0    0     0    40    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   242  241   113
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   751  664   945
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   746  660   939
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.05 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  753 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.1 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.1
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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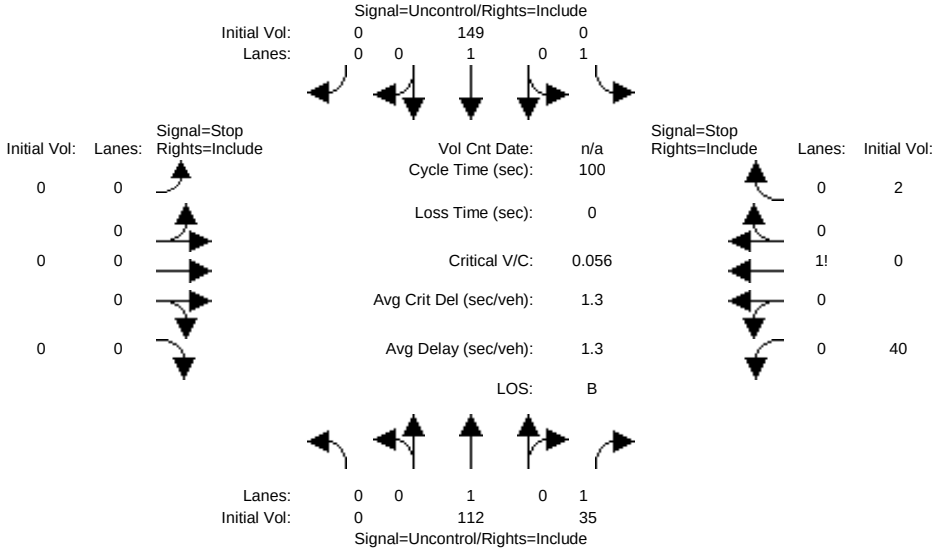
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  112    35     0  149     0     0    0     0    40    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  112    35     0  149     0     0    0     0    40    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  112    35     0  149     0     0    0     0    40    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  112    35     0  149     0     0    0     0    40    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   269  268   120
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   725  641   937
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   720  638   931
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.06 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  728 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.3 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.3
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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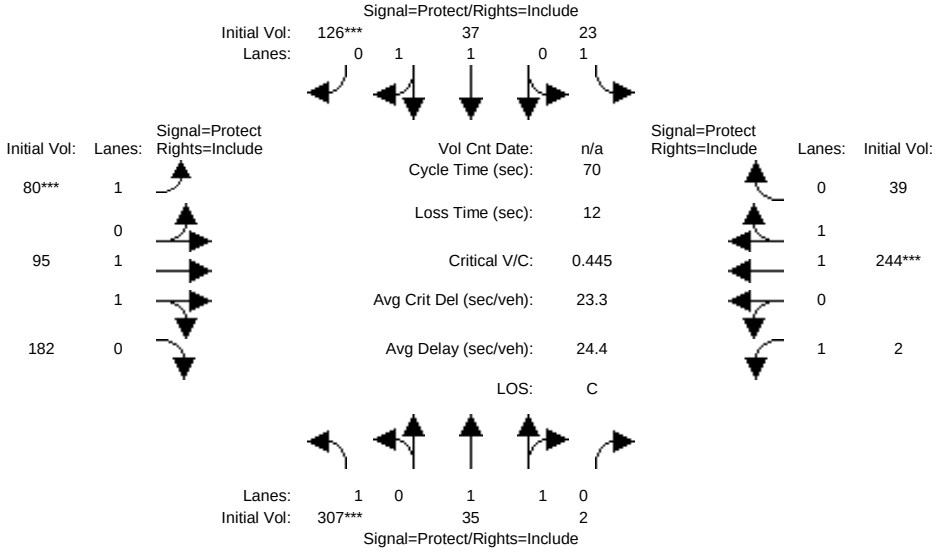
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	307	35	2	23	37	126	80	95	182	2	244	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	35	2	23	37	126	80	95	182	2	244	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	307	35	2	23	37	126	80	95	182	2	244	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	307	35	2	23	37	126	80	95	182	2	244	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	307	35	2	23	37	126	80	95	182	2	244	39
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3578	204	1750	1900	1750	1750	1900	1750	1750	3238	518
Capacity Analysis Module:												
Vol/Sat:	0.18	0.01	0.01	0.01	0.02	0.07	0.05	0.05	0.10	0.00	0.08	0.08
Crit Moves:	****					****	****				****	
Green Time:	27.6	22.9	22.9	16.0	11.3	11.3	7.2	11.2	11.2	7.8	11.9	11.9
Volume/Cap:	0.44	0.03	0.03	0.06	0.12	0.44	0.44	0.31	0.65	0.01	0.44	0.44
Delay/Veh:	16.0	16.0	16.0	21.1	25.1	27.4	31.3	26.2	31.1	27.6	26.6	26.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.0	16.0	16.0	21.1	25.1	27.4	31.3	26.2	31.1	27.6	26.6	26.6
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	11	1	1	1	2	6	5	4	10	0	7	7

Note: Queue reported is the number of cars per lane.

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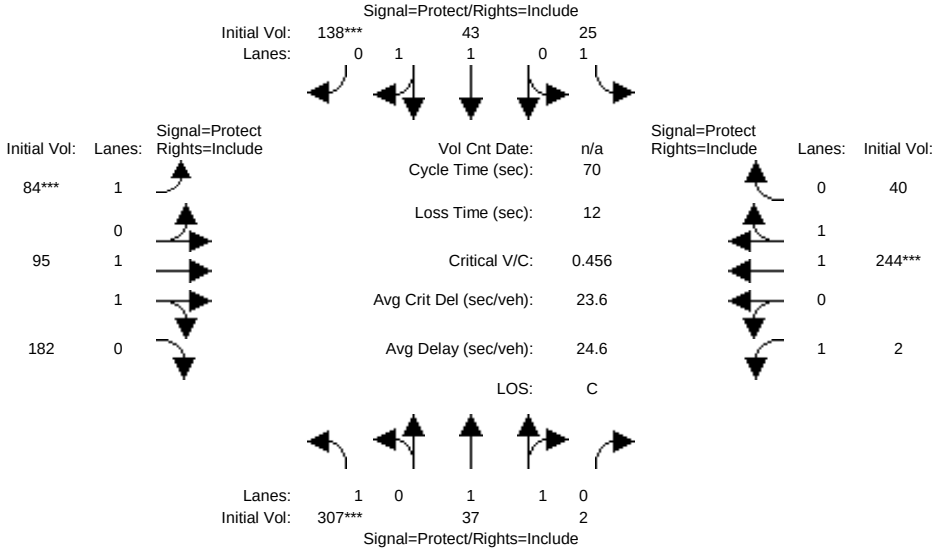
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative + Project AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	307	37	2	25	43	138	84	95	182	2	244	40
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	37	2	25	43	138	84	95	182	2	244	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	307	37	2	25	43	138	84	95	182	2	244	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	307	37	2	25	43	138	84	95	182	2	244	40
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	307	37	2	25	43	138	84	95	182	2	244	40
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.89	0.11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3589	194	1750	1900	1750	1750	1900	1750	1750	3226	529
Capacity Analysis Module:												
Vol/Sat:	0.18	0.01	0.01	0.01	0.02	0.08	0.05	0.05	0.10	0.00	0.08	0.08
Crit Moves:	****					****	****				****	
Green Time:	26.9	23.0	23.0	16.1	12.1	12.1	7.4	11.2	11.2	7.8	11.6	11.6
Volume/Cap:	0.46	0.03	0.03	0.06	0.13	0.46	0.46	0.31	0.65	0.01	0.46	0.46
Delay/Veh:	16.6	16.0	16.0	21.1	24.5	26.8	31.2	26.2	31.2	27.7	26.9	26.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.6	16.0	16.0	21.1	24.5	26.8	31.2	26.2	31.2	27.7	26.9	26.9
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	11	1	1	1	2	7	5	4	10	0	7	7

Note: Queue reported is the number of cars per lane.

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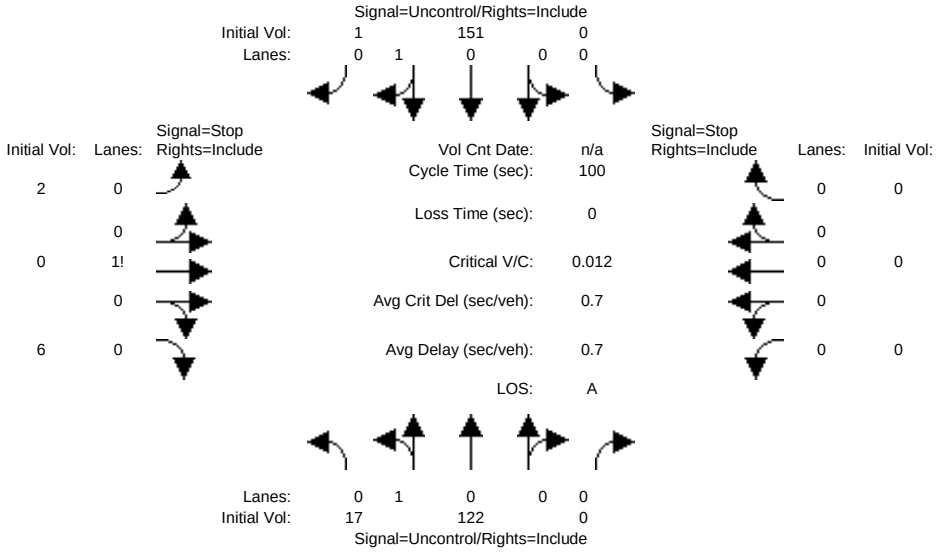
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      17  122     0     0  151     1     2    0     6     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   17  122     0     0  151     1     2    0     6     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    17  122     0     0  151     1     2    0     6     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   17  122     0     0  151     1     2    0     6     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  152 xxxx xxxxx  xxxx xxxx xxxxx   308  308   152  xxxx xxxx xxxxx
Potent Cap.: 1441 xxxx xxxxx  xxxx xxxx xxxxx   689  610   900  xxxx xxxx xxxxx
Move Cap.:   1441 xxxx xxxxx  xxxx xxxx xxxxx   683  603   900  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.01  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  834 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.0 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.4 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.4           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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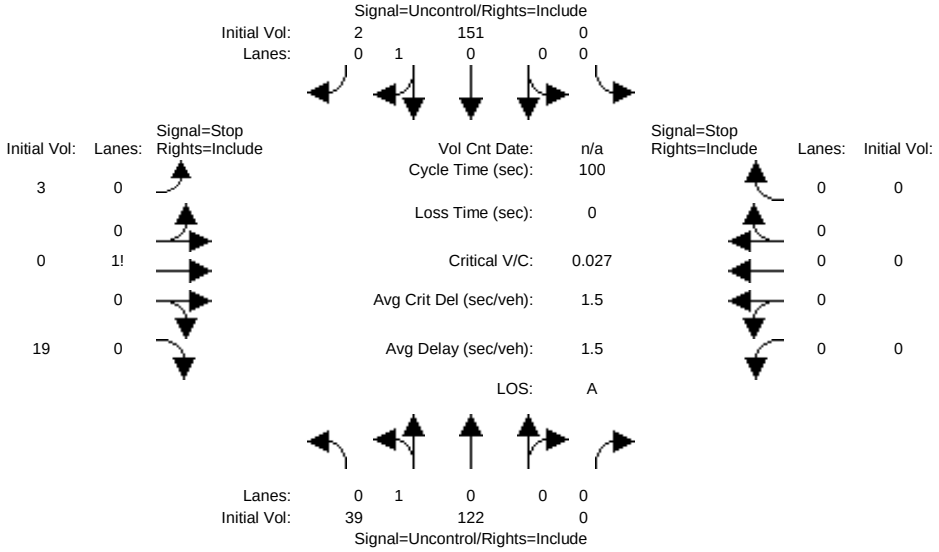
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      39  122     0     0  151     2     3    0    19     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   39  122     0     0  151     2     3    0    19     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    39  122     0     0  151     2     3    0    19     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   39  122     0     0  151     2     3    0    19     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  153 xxxx xxxxx  xxxx xxxx xxxxx   352  352   152  xxxx xxxx xxxxx
Potent Cap.: 1440 xxxx xxxxx  xxxx xxxx xxxxx   650  576   900  xxxx xxxx xxxxx
Move Cap.:   1440 xxxx xxxxx  xxxx xxxx xxxxx   636  560   900  xxxx xxxx xxxxx
Volume/Cap:  0.03 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.02  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  851 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.3 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.3           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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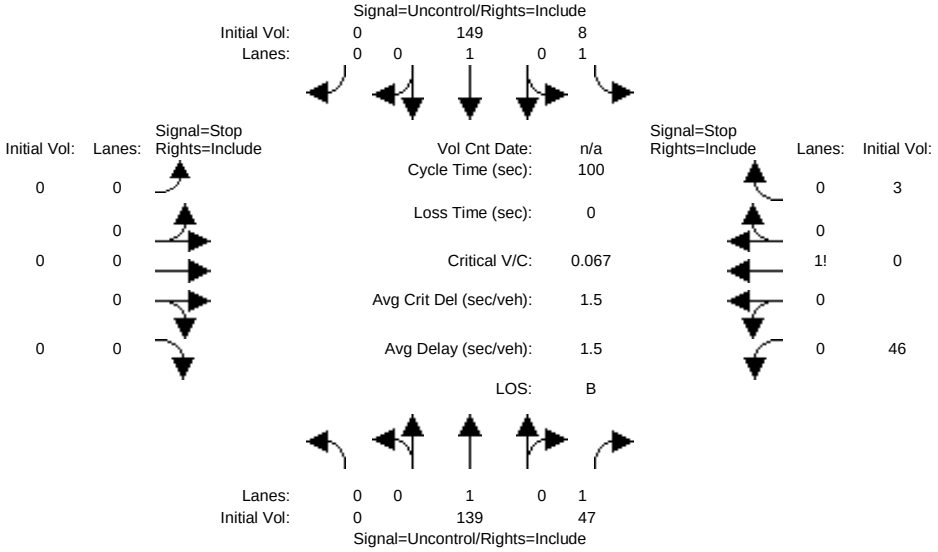
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  139    47     8  149     0     0    0     0    46    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  139    47     8  149     0     0    0     0    46    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  139    47     8  149     0     0    0     0    46    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  139    47     8  149     0     0    0     0    46    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   187 xxxx xxxxx  xxxx xxxx xxxxx   305  305   140
Potent Cap.: xxxx xxxx xxxxx  1399 xxxx xxxxx  xxxx xxxx xxxxx   691  612   913
Move Cap.:   xxxx xxxx xxxxx  1398 xxxx xxxxx  xxxx xxxx xxxxx   688  608   913
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.07 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  698 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.5 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.5
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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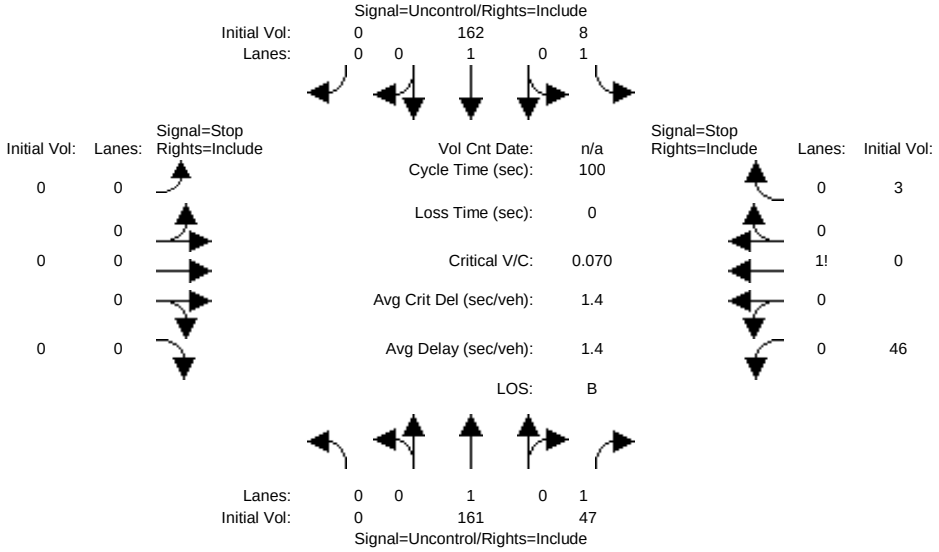
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  161    47     8  162     0     0    0     0    46    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  161    47     8  162     0     0    0     0    46    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  161    47     8  162     0     0    0     0    46    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  161    47     8  162     0     0    0     0    46    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   209 xxxx xxxxx  xxxx xxxx xxxxx   340  340   162
Potent Cap.: xxxx xxxx xxxxx  1374 xxxx xxxxx  xxxx xxxx xxxxx   660  585   888
Move Cap.:   xxxx xxxx xxxxx  1373 xxxx xxxxx  xxxx xxxx xxxxx   656  581   887
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.07 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  667 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.8 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.8
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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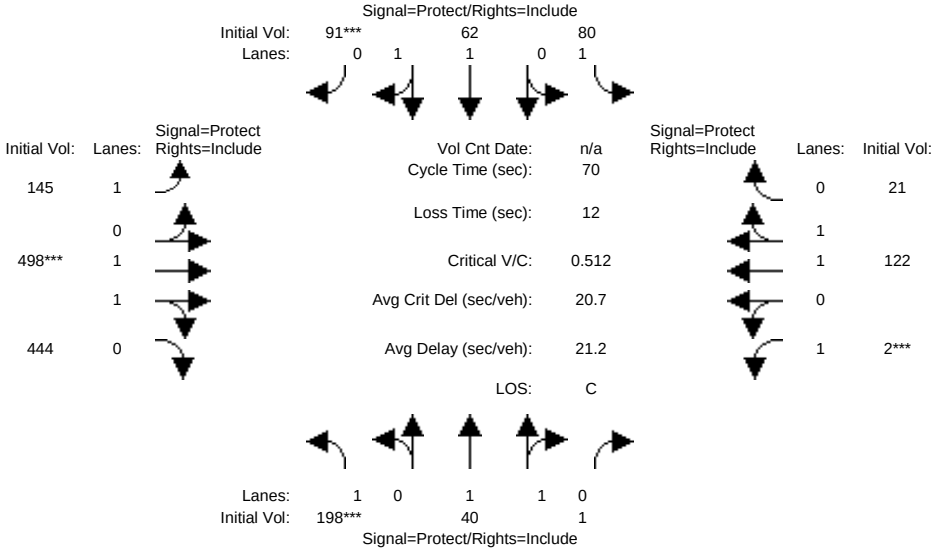
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	198	40	1	80	62	91	145	498	444	2	122	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	198	40	1	80	62	91	145	498	444	2	122	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	198	40	1	80	62	91	145	498	444	2	122	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	198	40	1	80	62	91	145	498	444	2	122	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	198	40	1	80	62	91	145	498	444	2	122	21
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.95	0.05	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.69	0.31
Final Sat.:	1750	3700	92	1750	1900	1750	1750	1931	1722	1750	3202	551
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.05	0.03	0.05	0.08	0.26	0.26	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.63	0.06	0.06	0.35	0.23	0.36	0.40	0.63	0.63	0.01	0.13	0.13
Delay/Veh:	30.8	23.3	23.3	28.5	26.8	27.7	24.6	17.5	17.5	28.4	18.0	18.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	30.8	23.3	23.3	28.5	26.8	27.7	24.6	17.5	17.5	28.4	18.0	18.0
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	11	1	1	4	3	5	7	17	17	0	2	2

Note: Queue reported is the number of cars per lane.

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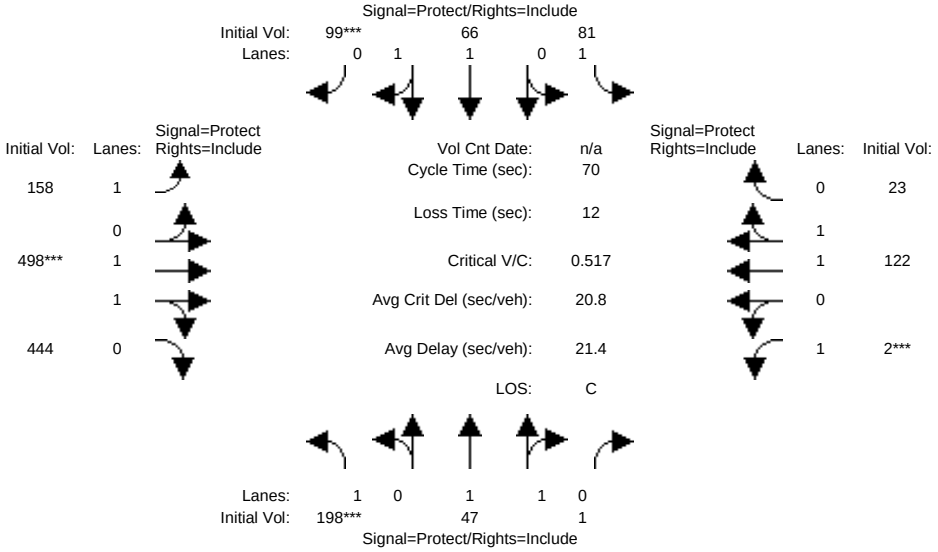
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative + Project PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	198	47	1	81	66	99	158	498	444	2	122	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	198	47	1	81	66	99	158	498	444	2	122	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	198	47	1	81	66	99	158	498	444	2	122	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	198	47	1	81	66	99	158	498	444	2	122	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	198	47	1	81	66	99	158	498	444	2	122	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.95	0.05	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.66	0.34
Final Sat.:	1750	3714	79	1750	1900	1750	1750	1931	1722	1750	3154	595
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.05	0.03	0.06	0.09	0.26	0.26	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.63	0.07	0.07	0.35	0.24	0.40	0.43	0.63	0.63	0.01	0.13	0.13
Delay/Veh:	30.8	23.3	23.3	28.5	26.8	27.9	24.9	17.5	17.5	28.4	18.0	18.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	30.8	23.3	23.3	28.5	26.8	27.9	24.9	17.5	17.5	28.4	18.0	18.0
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	11	1	1	4	3	5	7	17	17	0	2	2

Note: Queue reported is the number of cars per lane.

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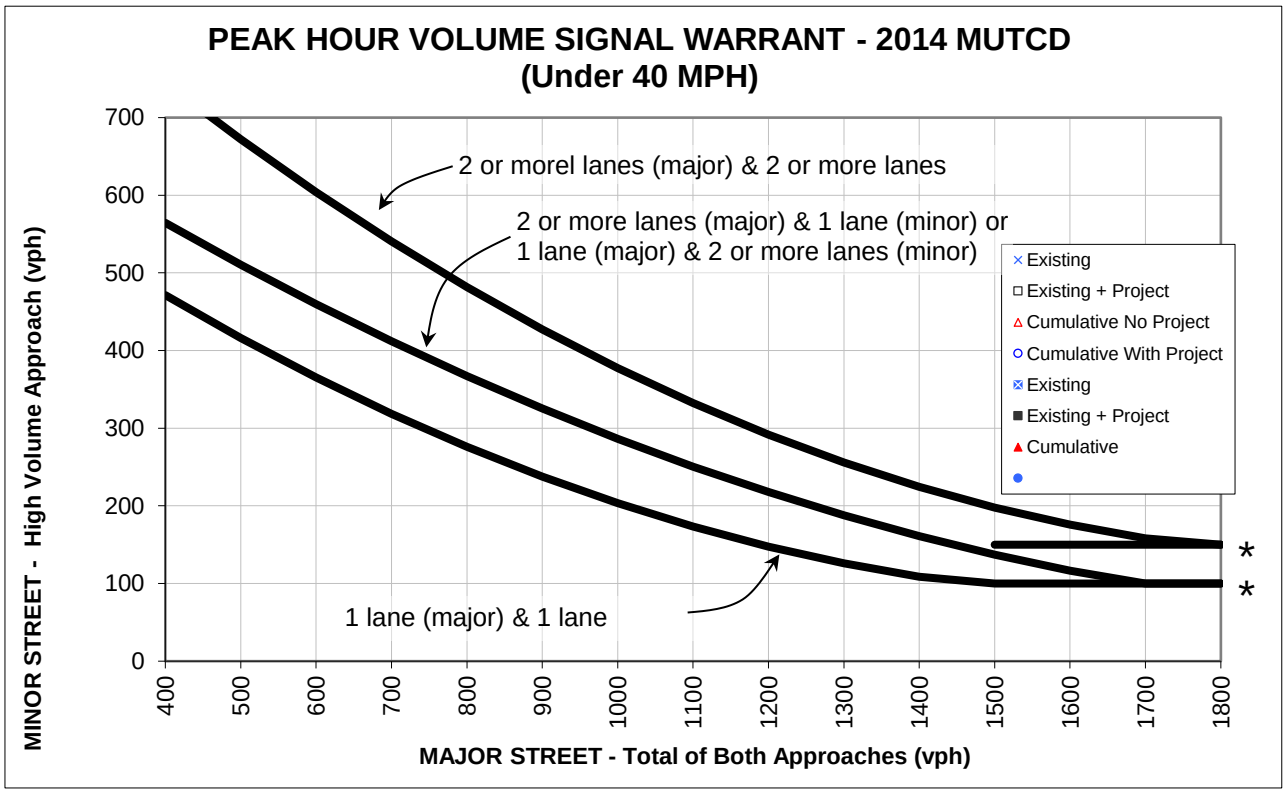
Appendix C

Traffic Signal Warrants

1 North Park Victoria Drive & Creed Street



***** NOTE: 150 vph applies as the lower threshold volume for a minor street approach with 2 or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with 1 lane.

Peak Hour Volume Warrant Per 2012 MUTCD- Under 40 MPH

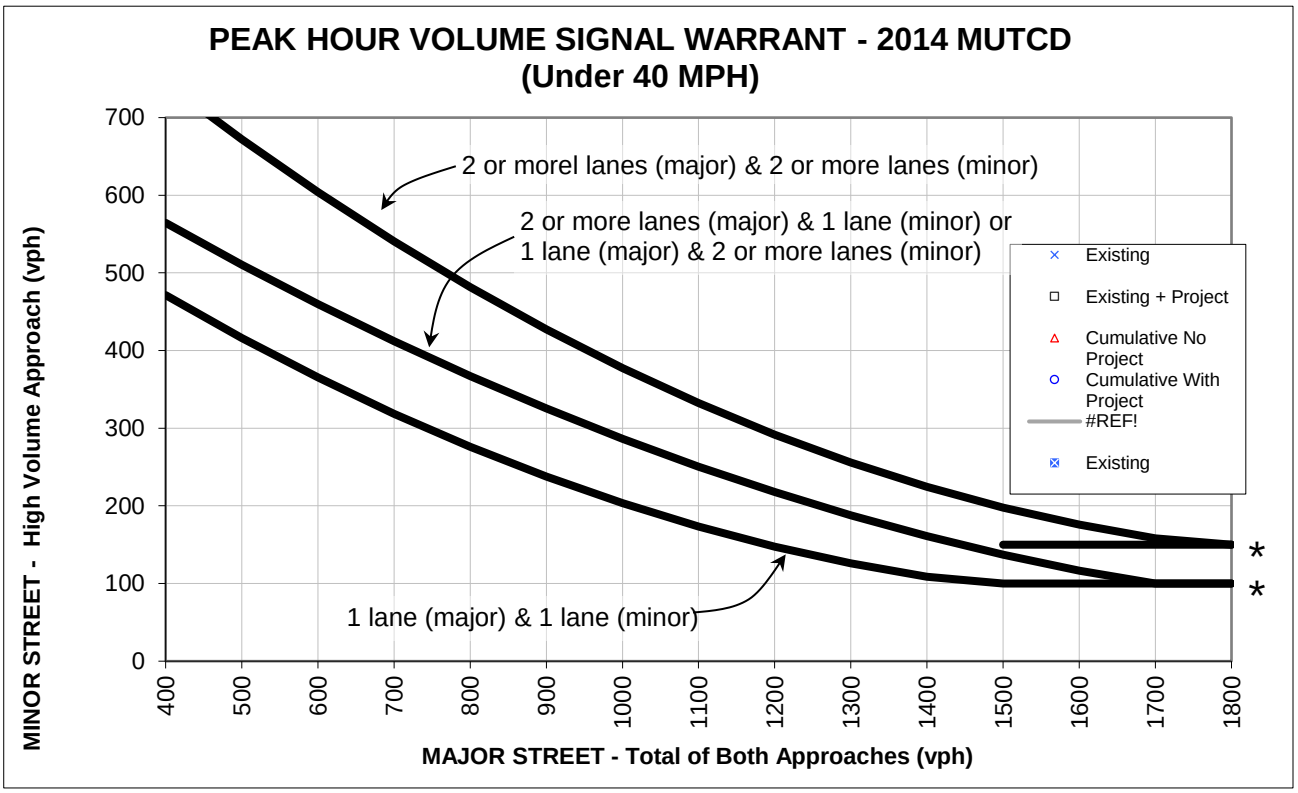
AM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		194	201	204	211
Minor Street - Highest Approach	Creed St	x		26	47	27	48
			Warrant Met?	N	N	N	N

PM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		277	300	291	314
Minor Street - Highest Approach	Creed St	x		8	22	8	22
			Warrant Met?	N	N	N	N

2 North Park Victoria Dr & Country Club Dr



***** NOTE: 150 vph applies as the lower threshold volume for a minor street approach with 2 or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with 1 lane.

Peak Hour Volume Warrant Per 2012 MUTCD- Under 40 MPH

AM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		256	283	269	296
Minor Street - Highest Approach	Country Club	x		40	40	42	42
			Warrant Met?	N	N	N	N

PM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		327	362	343	378
Minor Street - Highest Approach	Country Club	x		47	47	49	49
			Warrant Met?	N	N	N	N

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CARLSBAD
FRESNO
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

MEMORANDUM

DATE: October 18, 2019

TO: Adrienne Smith, Associate Planner, City of Milpitas

FROM: Theresa Wallace, AICP, Principal
Matthew Wiswell, Planner/Project Manager

SUBJECT: 1005 North Park Victoria Project Initial Study/Mitigated Negative Declaration – Response to Comments

In accordance with Section 15074 of the CEQA Guidelines, prior to approving a project, the decision-making body of the lead agency shall consider the proposed environmental document together with any comments received during the public review process. Although there is no legal requirement to formally respond to comments on a proposed Mitigated Negative Declaration (MND) as there is for an Environmental Impact Report (EIR), this memorandum provides a response to the written comments received on the 1005 North Park Victoria Project Draft Initial Study/Mitigated Negative Declaration (IS/MND) to aid the City of Milpitas decision-makers in their review of the project.

The Draft IS/MND was available for public review and comment from August 9, 2019 to September 9, 2019. A public hearing was also held before the City of Milpitas Planning Commission on August 28, 2019, to receive comments on the IS/MND. Eight comment letters were received on the Draft IS/MND in addition to the verbal comments received at the public hearing. Copies of the comment letters are provided in this memorandum and responses to the substantive issues raised by the commenters are provided on the page following the letters. The comments and responses are enumerated to allow for cross-referencing of CEQA-related comments. As noted above, CEQA does not require or provide guidance on responding to comments on MNDs; therefore, this memorandum follows CEQA Guidelines Section 15088, applicable to responses to comments on EIRs, which requires that agencies respond only to significant environmental issues raised in connection with the project. Therefore, this document focuses primarily on responding to comments that relate to the adequacy of the information and environmental analysis provided in the IS/MND. In addition, this document presents specific changes to the text of the Draft IS/MND that are being made to clarify any errors, omissions, or misinterpretation of materials in the Draft IS/MND in response to comments received during the public review period.

COMMENT LETTERS

This memorandum includes a reproduction of each comment letter received on the IS/MND. Each comment letter is assigned a letter (A, B, C, etc.), and individual comments within each letter and meeting minutes are numbered consecutively. For instance, comment A-1 is the first numbered comment in Letter A.

The following comment letters on the IS/MND were submitted to the City:

LETTER A
Phiha Pham
August 22, 2019

LETTER B
James Luo
August 25, 2019

LETTER C
Steve Fong
August 27, 2019

LETTER D
Connie Fong
August 27, 2019

LETTER E
Stacy Brobst
August 28, 2019

LETTER F
Oanh Phi
August 29, 2019

LETTER G
Laurent Pham
August 29, 2019

LETTER H
B. Frank Evans, Nelda Evans, Steven Fong, Connie Fong, Jerald Samsun, Giang Dao, Evelyn Ramirez, Jose Roasario, Kevin Yip, Prudencio Valdez, Mila Valdez, Michael Valdez, Laurent Pham, Katelyn Thai, Kevin Croussore, Dolores Luciaui, Laily Biswas, Reghminder Bal, Uyen Nguyen, and Joseph Mal
September 5, 2019

RESPONSES

Written responses to all written comments on the IS/MND are provided in this section. Letters received on the IS/MND are provided in their entirety in Attachment A. Responses keyed to the specific comments in each letter are provided below. Please note that text that does not raise environmental issues or relate to the adequacy of the information or analysis within the IS/MND has not been enumerated as no response is required, per CEQA Guidelines Section 15132.

Letter A
Phiha Pham
August 22, 2019

Response A-1: As noted on pages 4-81 through 4-82 of the IS/MND, intersections within the vicinity of the project site operate at Level of Service (LOS) C or better during the AM and PM peak hours under both Existing and Cumulative Conditions. Under Existing plus Project and Cumulative plus Project conditions, intersections within the vicinity of the project site would continue to operate at LOS C or better. Based on the significance criteria established by the City of Milpitas, which establishes the minimum acceptable LOS to be D as noted on page 4-79 of the IS/MND, the proposed project would not cause a significant impact on the adjacent street network.

The Transportation Impact Report (TIA) prepared for the proposed project has since been revised to include an analysis of the 10 accessory dwelling units (ADUs) that are a part of the proposed project. As noted in the Draft IS/MND Text Revisions, below, the revised TIA concluded that intersections within the vicinity of the project site would continue to operate at LOS C or better with the addition of the 10 ADUs. Therefore, revisions to the TIA and Draft IS/MND would not result in any new or more significant impacts. The revised TIA is included as Attachment B.

Letter B
James Luo
August 25, 2019

Response B-1: This introductory comment is noted.

Response B-2: Please refer to Response A-1 that addresses the commenter's general concern related to traffic in the area.

Response B-3: As noted on page 4-74 of the Draft IS/MND, the project sponsor would be required to pay a school impact fee of $4.34 per square foot of residential development. In accordance with State law, any impact to schools that could result from the proposed project would be offset by development fees and reduced to a less-than-significant level.

Response B-4: As noted on pages 4-73 through 4-75 of the IS/MND, the project site is already served by public services, including police and fire protection. The proposed project would marginally increase the demand for public services; however, this increase is not expected to require the construction or renovation of existing facilities. Therefore, impacts related to police and fire protection would be less than significant.

Response B-5: This comment states that higher density homes will reduce the value of nearby homes. This comment does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Letter C
Steve Fong
August 27, 2019

Response C-1: This introductory comment is noted.

Response C-2: This comment states that more parking should be provided on the project site. This comment does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Response C-3: As noted on page 4-10 of the Draft IS/MND, construction associated with the proposed project would be lower than the Bay Area Air Quality Management District's (BAAQMD) construction emissions thresholds. Additionally, with implementation of Mitigation Measure AIR-1, described on pages 4-10 and 4-11, construction fugitive dust impacts would be reduced to a less-than-significant level.

Letter D
Connie Fong
August 27, 2019

Response D-1: This introductory comment is noted.

Response D-2: Please refer to Response C-2 that addresses the commenter's general concern related to parking.

Response D-3: Please refer to Response C-3 that addresses the commenter's general concern related to construction-period air quality.

Letter E
Stacy Brobst
August 28, 2019

Response E-1: This comment states that more affordable housing should be built within the City. This comment does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Response E-2: Please refer to Response C-2 that addresses the commenter's general concern related to parking. Additionally, please refer to Response A-1 that addresses the commenter's general concern related to traffic in the area.

Letter F
Oanh Phi
August 29, 2019

Response F-1: This introductory comment is noted.

Response F-2: Please refer to Response A-1 that addresses the commenter's general concern related to traffic in the area.

Response F-3: This comment concerns the merits of the project and does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Letter G
Laurent Pham
August 29-30, 2019

Response E-1: This introductory comment is noted. Please refer to Response E-2.

Response E-2: As noted on pages 4-90 through 4-91 of the Draft IS/MND, the proposed project would not substantially increase hazards due to geometric design features or incompatible uses based on the existing conditions on Rankin Drive – the 25 mile-per-hour speed limit, the low volume of traffic, and the absence of physical obstructions.

Response E-3: This comment requests a direct entrance to the project site from North Park Victoria Drive. This comment does not relate to the adequacy of the information or analysis within the Draft IS/MND. No further response is required. However, it should be noted that the City constantly evaluates street networks, and aims to limit driveways or street intersections on existing roads to avoid crashes and maintain flow of traffic.

Response E-4: Please refer to Response E-3.

Letter H

B. Frank Evans, Nelda Evans, Steven Fong, Connie Fong, Jerald Samsun, Giang Dao, Evelyn Ramirez, Jose Roasario, Kevin Yip, Prudencio Valdez, Mila Valdez, Michael Valdez, Laurent Pham, Katelyn Thai, Kevin Croussore, Dolores Luciaui, Laily Biswas, Reghminder Bal, Uyen Nguyen, and Joseph Mal
September 5, 2019

Letter H is a form letter signed by the individuals identified above. Because the text of the letter is the same for each signatory, only the first letter is reproduced in Attachment A, and only one response is required.

Response H-1: This introductory comment is noted.

Response H-2: Please refer to Response A-1 that addresses the commenter's general concern related to traffic in the area.

Response H-3: Please refer to Response B-3 that addresses the commenter's general concern related to impacts to schools.

Response H-4: This comment states that traffic in and out of Country Club Drive seems to be underestimated and underreported. As noted on page 4-78 of the Draft IS/MND, existing traffic volumes, including at the intersection of Country Club Drive and North Park Victoria Drive, were obtained from traffic counts conducted in April 2019. In addition, as noted on page 5 of Appendix G to the Draft IS/MND, traffic conditions were observed in order to identify existing operational deficiencies and to confirm the accuracy of calculated levels of service.

Response H-5: This comment states that two houses are being developed near Country Club Drive. Additionally, the comment states that more houses are likely to be developed near Country Club Drive in the future. Consistent with guidance from the Valley Transportation Authority (VTA), who administers the Congestion Management Program (CMP) for Santa Clara County, and the City, individual single-family residential units that are planned, approved, or under construction are not specifically referenced in the TIA, as they would fall well within the margin of error for the traffic counts and analysis.

Please refer to Response A-1 that addresses the commenter's concern related to level of service impacts at the intersection of Country Club Drive and North Park Victoria Drive. As noted above, the proposed project would not result in any significant impacts at this intersection. In addition, any new development proposed in this area that the City or the VTA determine to have potential transportation impacts would be required to prepare a transportation impact analysis and provide appropriate mitigation, as needed.

Response H-6: This comment concerns the merits of the project and does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Response H-7: Please refer to Response E-2 that addresses the commenter's concern regarding site access and circulation.

Response H-8: This comment concerns the merits of the project and does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Response H-9: As noted on page 4-91 of the Draft IS/MND, the length of the cul-de-sacs should be short enough (105 feet and 150 feet) to accommodate fire department services. In addition, as noted on page 4-73, the Milpitas Fire Department would review the site plans and Fire Access Plan for the proposed project to ensure that adequate emergency access is provided prior to issuance of a building permit.

Response H-10: Please refer to Response E-3 that addresses the commenter's request for a driveway along North Park Victoria Drive.

Response H-11: This comment relates to the public comment period for the Draft IS/MND. Consistent with CEQA and the City's standard practices, the Draft IS/MND was posted online and hard copies were made available for public review at the City of Milpitas Planning Department from August 9, 2019 through September 9, 2019. In addition, the City accepted written comments on the Draft IS/MND from August 9, 2019 through September 9, 2019, as well as verbal comments at a Planning Commission meeting on August 28, 2019. This comment does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Response H-12: This comment generally suggests greater clarity of the title of the document. This comment does not relate to the adequacy of the information or analysis in the Draft IS/MND. No further response is required.

Response H-13: This comment concerns the merits of the proposed project and does not relate to the adequacy of the information or analysis within the Draft IS/MND. No further response is required.

DRAFT IS/MND TEXT REVISIONS

This section presents specific changes to the text of the Draft IS/MND that are being made to clarify any errors, omissions, or misinterpretation of materials in the Draft IS/MND in response to comments received during the public review period, or as determined by staff. In no case do these revisions result in a greater number of impacts or impacts of a greater severity than those set forth in the Draft IS/MND. Where revisions to the main text are called for, the page and paragraph are set forth, followed by the appropriate revision. Added text is indicated with double underlined text, and deleted text is shown in ~~strikeout~~.

The following text revision is made to page 1-1 of the Draft IS/MND:

> The proposed project would include a General Plan Amendment to change the land use designation from SFL to Single-Family Medium Density, and a Rezone from R1-6 to ~~R2 (One and Two-Family Residential)~~ R1-3 (Single-Family Residential) to allow development of the proposed project.

The following text revision is made to page 2-5 of the Draft IS/MND:

> The proposed project would include a General Plan Amendment to change the land use designation from SFL to Single-Family Medium Density, and a Rezone from R1-6 to ~~R2 (One and Two-Family Residential)~~ R1-3 (Single-Family Residential) to allow development of the proposed project.

The following text revision is made to page 4-2 of the Draft IS/MND:

> However, the proposed project would include a rezone of the project site from R1-6 to R1-3~~R2~~. Single-family residential units are a permitted use within the R1-3~~R2~~ district, which has a maximum density of 3 to 15~~7 to 11~~ units per gross acre and a maximum height for principal buildings of ~~2.5 stories (~~30 feet~~)~~ and ~~1.5 stories (~~15 feet~~)~~ for accessory buildings. The proposed project would have a density of 7.4~~7.3~~ dwelling units per gross acre, and a maximum building height of approximately 22 feet.

The following text revision is made to page 4-53 of the Draft IS/MND:

> As noted in Section 2.0, Project Description, the proposed project would include a General Plan Amendment to change the land use designation from SFL to Single-Family Medium Density and a Rezone from R1-6 to R1-3~~R2~~.

The following text revision is made to page 4-80 of the Draft IS/MND:

> Project trip generation was estimated by applying to the size and uses of the development the appropriate trip generation rates published by the Institute of Transportation Engineers (ITE) in Trip Generation, 10th Edition. Based on ITE's trip generation rates for single family detached housing (ITE code 210) and multi-family housing (ITE code 220), the project would generate 413~~349~~ daily vehicle trips, with 32~~28~~ trips occurring during the AM peak hour and 42~~37~~ trips occurring during the PM peak hour, as shown in Table 4.P.

Table 4.P: Project Trip Generation Estimates

Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
		Rate	Trips	Rate	In	Out	Total	Rate	In	Out	Total
Proposed Uses											
Detached Single Family Units[1]	36~~37~~ units	9.44	340 ~~349~~	0.74	27 ~~28~~	7	20 ~~21~~	0.99	36 ~~37~~	22 ~~23~~	14
Apartments[2]	10 units	7.32	73	0.46	5	1	4	0.56	6	4	2
Total Project Trips			413		32	8	24		42	26	16

Source: *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences* (Hexagon Transportation Consultants, Inc. 2019)

~~Note: The proposed project has since been revised to include 1 fewer unit (36 units are proposed). Therefore, the analysis of potential impacts is conservative and is slightly overestimated.~~

[1] Rates based on ITE Trip Generation, 10th Edition for Single Family Detached Housing (ITE 210).

[2] ADUs. Based on rates for multi-family low-rise housing, ITE code 220.

The following text revision is made to page 4-81 of the Draft IS/MND:

Table 4.Q: Existing Plus Project Level of Service Summary

Intersection	Traffic Control	Peak Hour	LOS Standard[1]	No Project		With Project			
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Increase in Avg. Delay[2]	Increase in V/C
North Park Victoria Drive and Creed Street	SSSC	AM	N/A	1.2/8.9	A/A	2.1~~2.0~~/ 9.0	A/A	0.9~~0.8~~/ 0.1	N/A
		PM	N/A	0.7/9.3	A/A	1.6~~1.5~~/ 9.3	A/A	0.9~~0.8~~/ 0.0	N/A
North Park Victoria Drive and Country Club Drive	SSSC	AM	N/A	1.3/10.0	A/A	1.3/10.2	A/B	0.0/0.2	N/A
		PM	N/A	1.5/10.4	A/B	1.5/10.7	A/B	0.0/0.3	N/A
North Park Victoria Drive and Jacklin Road	Signal	AM	D	24.1	C	24.4~~24.3~~	C	0.4~~0.3~~	0.013 ~~0.011~~
		PM	D	20.8	C	21.0	C	0.2~~0.1~~	0.006

Source: *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences* (Hexagon Transportation Consultants, Inc. 2019)

Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual methodology. Signalized intersections levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersection are reported for both the overall average delay/the approach with the highest delay.

[1] There is no LOS standard for unsignalized intersections.

[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay/the approach with the highest delay.

The following text revision is made to page 4-82 of the Draft IS/MND:

Table 4.R: Cumulative Plus Project Level of Service Summary

Intersection	Traffic Control	Peak Hour	LOS Standard[1]	No Project		With Project			
				Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Increase in Avg. Delay[2]	Increase in V/C
North Park Victoria Drive and Creed Street	SSSC	AM	N/A	1.2/8.9	A/A	2.1~~2.0~~/ 9.0	A/A	0.9~~0.8~~/ 0.1	N/A
		PM	N/A	0.7/9.4	A/A	1.6~~1.5~~/ 9.4	A/A	0.9~~0.8~~/ 0.0	N/A
North Park Victoria Drive and Country Club Drive	SSSC	AM	N/A	1.4/10.1	A/B	1.4/10.3	A/B	0.0/0.2	N/A
		PM	N/A	1.5/10.5	A/B	1.5/ 10.9~~10.8~~	A/B	0.0/ 0.4~~0.3~~	N/A
North Park Victoria Drive and Jacklin Road	Signal	AM	D	24.4	C	24.6	C	0.3	0.011
		PM	D	21.2	C	21.4	C	0.1	0.005

Source: *Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences* (Hexagon Transportation Consultants, Inc., 2019)

Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual methodology. Signalized intersections levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersection are reported for both the overall average delay/the approach with the highest delay.

[1] There is no LOS standard for unsignalized intersections.

[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay/the approach with the highest delay.

Figure 4-2, Trip Distribution and Assignment, on page 4-83 of the Draft IS/MND has been revised to replace the figure with an updated figure from the revised TIA, which is included as Attachment A. The revised figure is shown on page 11 of this document.

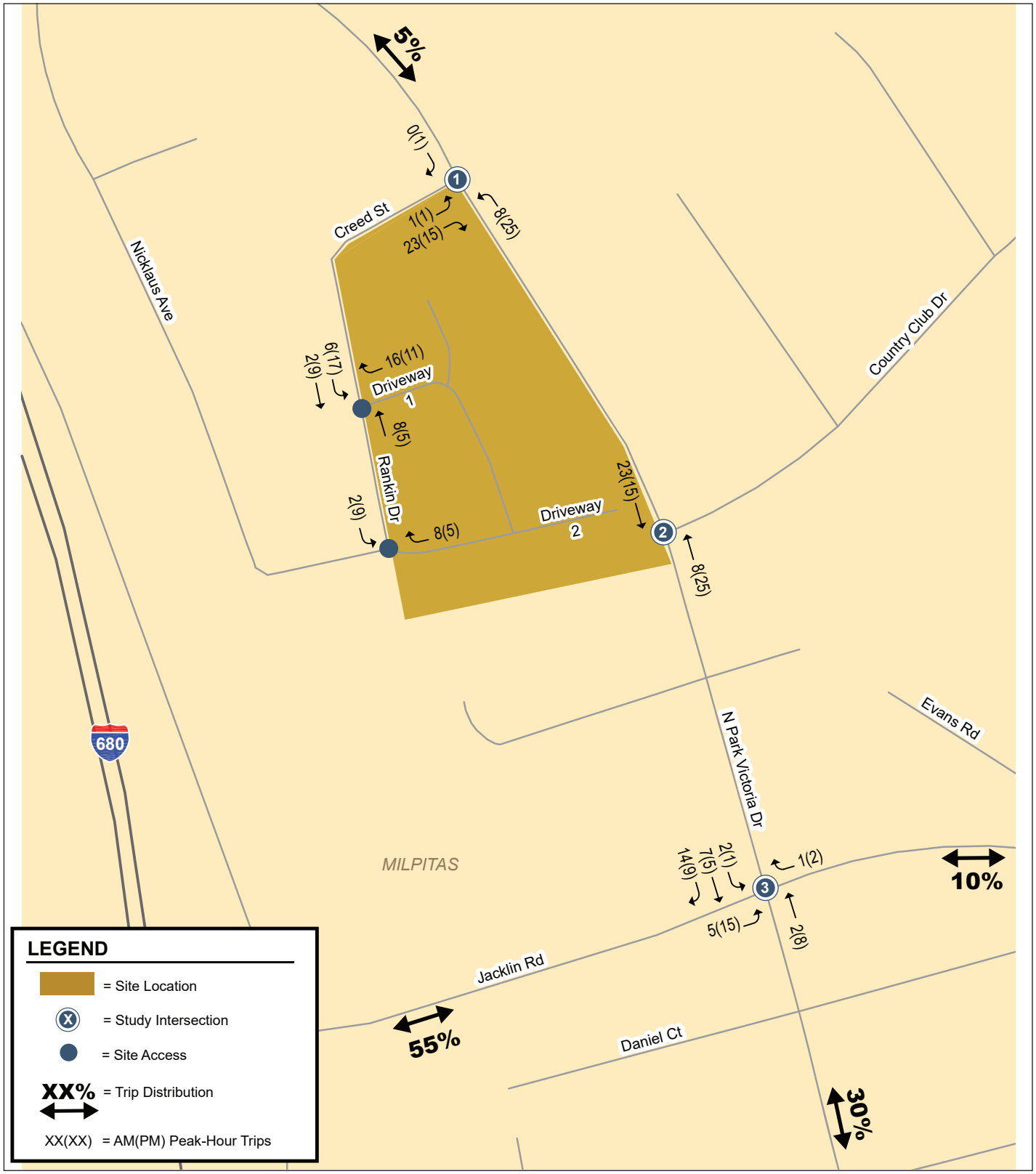
Figure 4-4, Existing Plus Project Traffic Volumes, on page 4-85 of the Draft IS/MND has been revised to replace the figure with an updated figure from the revised TIA. The revised figure is shown on page 12 of this document.

Figure 4-6, Cumulative With Project Traffic Volumes, on page 4-87 of the Draft IS/MND has been revised to replace the figure with an updated figure from the revised TIA. The revised figure is shown on page 13 of this document.

The following text revision is made to page 4-90 of the Draft IS/MND:

> At both driveways, the distance from Rankin Drive back to the first driveway is about 35 feet-sufficient for one car length. The outbound volumes would be highest in the AM peak hour. The AM peak-hour volume of outbound vehicles is 16~~14~~ cars at the north driveway and 8~~7~~ cars at the south driveway.

Attachment A: Comment Letters
Attachment B: Revised Transportation Impact Analysis



LSA

Revised - FIGURE 4-2

N

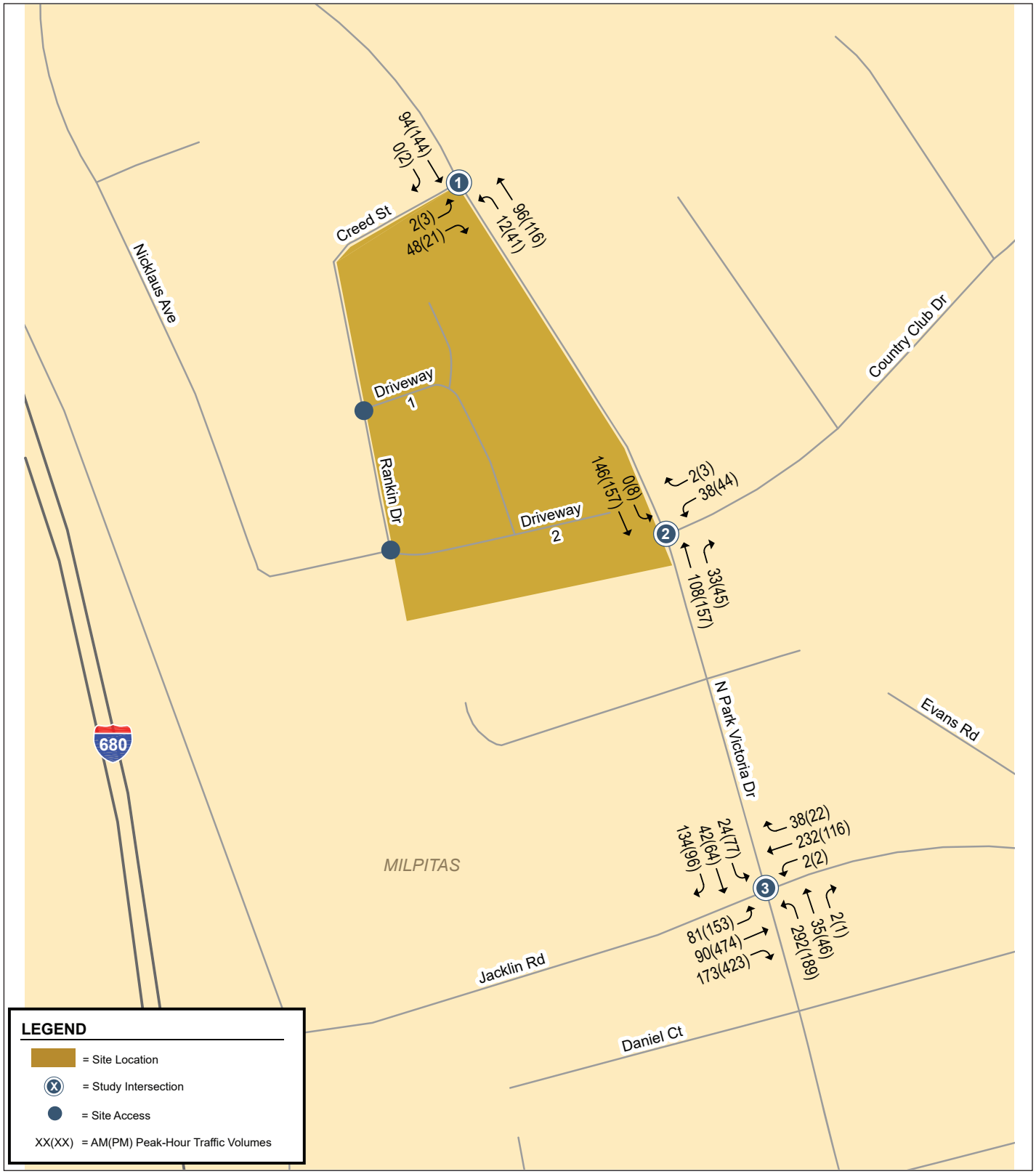
NOT TO SCALE

SOURCE: HEXAGON, SEPTEMBER 2019.

1005 North Park Victoria Project I

Project Trip Distribution and Assig

P:\MLP1901 1005 N Park Victoria\PRODUCTS\RTC\Figures\Revised-Fig_4-2.ai (10/9/19)



LSA

Revised - FIGURE 4-4

NOT TO SCALE

SOURCE: HEXAGON, SEPTEMBER 2019.

1005 North Park Victoria Project

Existing Plus Project Traffic V

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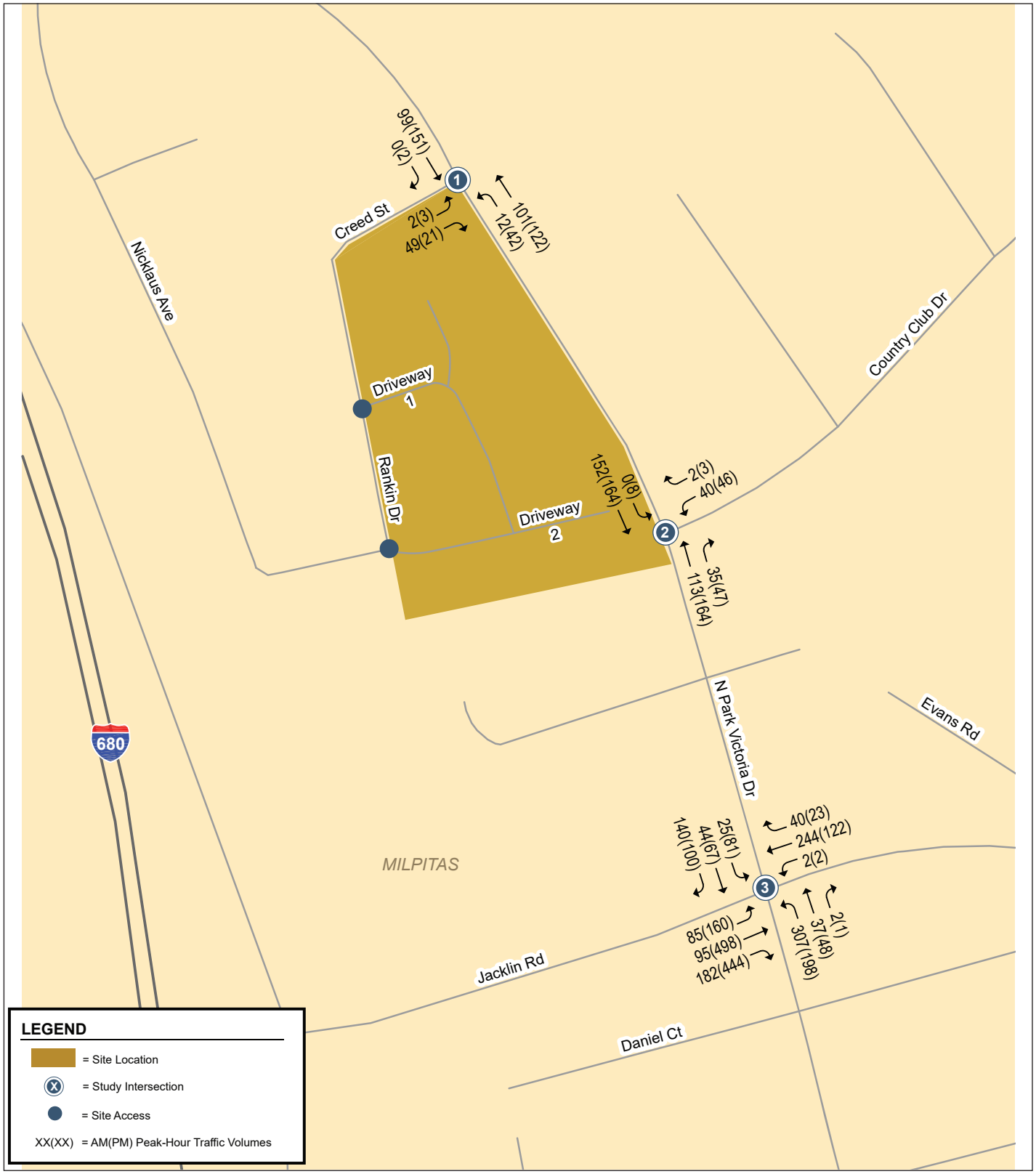

LSA

Revised - FIGURE 4-6

N

NOT TO SCALE

SOURCE: HEXAGON, SEPTEMBER 2019.

1005 North Park Victoria Project I

Cumulative With Project Traffic V

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ATTACHMENT A

COMMENT LETTERS

Letter

A

From: Phiha Pham
Sent: Thursday, August 22, 2019 12:11 PM
To: Adrienne Smith
Cc: Phiha Pham
Subject: ROBSON HOMES SINGLE-FAMILY DEVELOPMENT - 1005 N PARK VICTORIA, MILPITAS

Hello Adrienne,

My name is Phiha Pham. I reside at 1220 North Park Victoria Drive, Milpitas, CA 95035.

This letter is in regards to the Robson Homes Single-Family Development on 1005 N Park Victoria drive. As a property owner living within 1000 ft. of this proposed development, I would like to officially voice my opinion against the building of this development. The roads here are already extremely congested in the mornings and creates backups. Without these issues being addressed first, we would be displeased to say the least if the development were to proceed. 1

Thank you for taking the time to read this.

The Pham Residence.

Letter

B

From: James Luo
Sent: Sunday, August 25, 2019 5:16 PM
To: Adrienne Smith
Subject: Comments Against Robson Homes' Proposed Changes to Allow the Development of A Single Family Residential Subdivision with 36 Two-Story Homes at 1005 N Park Victoria Drive

Follow Up Flag: Follow up
Flag Status: Completed

Dear Adrienne,

How are you?

I am writing to give me comments against Robson Homes' planned changed to allow the development of a single family residential subdivision with 36 two-story homes at 1005 N Park Victoria Drive.

When Fox Hollow Court was developed and designated as the transitional division from low density to commercial and high density properties, the 1005 N Park Victoria was approved to build 24 low density houses. There is no reason to change it from low density division to media to high density with the following reasons. 1

1. The negative traffic impacts: The vicinity area to 1005 N Park Victoria Drive is very crowded already. The morning traffic at both N Park Victoria Drive and Jacklin Road has been very bad, especially when schools start. Sometimes the traffic was jam-packed and barely moved on these streets. We really don't want to make it worse by allowing more new residents/ cars into this bad traffic situation than it supposed to be. 2

2. Milpitas schools are already over-crowded and some classed are much bigger than desired. Other than if some schools can take any more new students, more new residents/ students will definitely impact the quality of the classes and the sized. So we don't need those extra amount of new residents. 3

3. The increased burdens to public services, such as polices, fire-fighters and other city resources, due to the increased residents. The city has limited resources to serve the current residents already. We don't want to increase unnecessary amount of residents to burden the city resources. 4

4. The added higher density homes will reduce the value of the nearby houses. 5

Would you please forward my written comments to the Milpitas Planning Division against the increase from 24 houses to 36 houses in at the lot of 1005 N Park Victoria Drive? Thanks very much for your kind help.

All the best,

James Luo

Letter
C

From: Steve Fong
Sent: Tuesday, August 27, 2019 2:42 PM
To: Adrienne Smith
Cc: Steve Fong
Subject: Robson Homes Single-Family Development

Hi Adrienne,

I have some concerns about the new homes are building just in front of my house, I am the owner at lot 50 on Rankin Drive. Please make sure there are stop signs for the new houses entrances/access, and with limited speed. More greens/trees on the streets. More parking spaces inside the new development area and don't force many new home owner cars park on Creed/Rankin Drive. Both streets will need to be much wider if you allow parking on both sides of streets, and also incoming cars from both directions, so the streets should be wide enough for 4 cars side by side. Make sure the air pollution is clean under constructions. 1 2 3

Thanks.

Steve Fong

Letter

C

From: Steve Fong
Sent: Tuesday, August 27, 2019 2:42 PM
To: Adrienne Smith
Cc: Steve Fong
Subject: Robson Homes Single-Family Development

Hi Adrienne,

I have some concerns about the new homes are building just in front of my house, I am the owner at lot 50 on Rankin Drive. Please make sure there are stop signs for the new houses entrances/access, and with limited speed. More greens/trees on the streets. More parking spaces inside the new development area and don't force many new home owner cars park on Creed/Rankin Drive. Both streets will need to be much wider if you allow parking on both sides of streets, and also incoming cars from both directions, so the streets should be wide enough for 4 cars side by side. Make sure the air pollution is clean under constructions. 1 2 3

Thanks.

Steve Fong

Letter

D

From: Connie Fong
Sent: Tuesday, August 27, 2019 3:15 PM
To: Adrienne Smith
Subject: Robson Homes Development

Hi Adrienne,

I have some concerns about the new homes are building just in front of my house, I am the owner at lot 50 on Rankin Drive. Please make sure there are stop signs for the new houses entrances/access, and with limited speed. More greens/trees on the streets. More parking spaces inside the new development area and don't force many new home owner cars park on Creed/Rankin Drive. Both streets will need to be much wider if you allow parking on both sides of streets, and also incoming cars from both directions, so the streets should be wide enough for 4 cars side by side. Make sure the air pollution is clean under constructions. 1 2 3

Thanks,

Connie Fong

Letter

E

-----Original Message-----
From: Stacy Brobst
Sent: Wednesday, August 28, 2019 8:07 AM
To: Ned Thomas
Subject: 40 single family homes

Dear planning commission,
I strongly object to the 40 unit housing development that contains no affordable housing.
Our city is woefully behind in creating affordable housing. Every new development must be made to contain their share of affordable housing. This should be non-negotiable. **1**
Also, this development doesn't have enough street parking. These are large houses that will encourage multiple generations to live together so there will be a greater parking need. Also, the ADUs will encourage more cars. **2**
Please do not approve this development as presented.
Thank you,
Stacy Brobst

Sent from my iPhone

Letter

F

From: oanh phi
Sent: Thursday, August 29, 2019 3:55 PM
To: Adrienne Smith
Cc: oanh phi
Subject: ROBSON HOMME SINGLE-FAMILY DEVELOPMENT - 1005 N.PARK VICTORIA, MILPITAS

Follow Up Flag: Follow up
Flag Status: Flagged

HELLO ADRIENNE,

Mi name is OANH PHI. I reside at 1142 Fox Hollow Court, Milpitas 95035

This letter is in regards to the Robson Homme Single-Family Development on 1005 N. Park Victoria Drive. As a property owner living 500ft of this proposed development, I would like to officially voice my opinion against the building of this development. 1 The roads here are already extremely congested in the mornings and creates backups. 2
Without these issues being addressed first, we would be displeased to say the least if the development were to proceed. 3

Thank you for taking the time to read this.

The PHI residence.

Letter
G

From: Laurent Pham
Sent: Thursday, August 29, 2019 12:39 AM
To: Adrienne Smith
Subject: 1005 N. Park Victoria

Dear Adrienne,

I'd like to reiterate my concern about traffic and safety on Creed St and Rankin St, with having almost all new residents having to go through those two streets. 1

Living on Creed St and having 2 young kids playing sometimes in front of my house, I am concerned about those ~100 new potential cars. That goes along with the gentlemen who lives on Rankin St, with 3 young kids, also expressing his concerns about his kids playing in front yard. 2

Would it be possible to have a direct entrance to the new homes on N. Park Victoria? It could be for example located towards the middle of the set of homes facing Park Victoria. Or on the south side close the Country club drive. That would make one entrance in the front of the development, and one entrance in the back of the development, instead of having two entrances in the back of the development. 3

Thanks in advance and best regards,

Laurent Pham

From: Laurent Pham
Sent: Thursday, August 29, 2019 2:53 PM
To: Adrienne Smith
Subject: Re: 1005 N. Park Victoria

Hi Adrienne,

Thanks for getting back to me.
I agree with you about the lack of visibility for an entrance near Country Club, so yes, that's not a good idea.
About the other suggestion, with an entrance towards the middle of NPV stretch, is it possible to still entertain that idea?
NPV has a lot of intersections with other streets. If you look on the north side of NPV, you will see many intersections with streets on the east side going to the hills.
I am not sure how that really adds traffic conflicts. 4

Thank you,

Laurent

Letter
H

Comments on Proposed PUD Project

B. FRANK EVANS B Frank Evans 1049 RANKIN DRIVE, MILPITAS
+
NELDA G. EVANS Nelda G Evans neldaevans@earthlink.net
SEPTEMBER 5, 2019

The Milpitas Planning Commission and the Milpitas City Council and the Mayor are currently considering a proposal from Robson Homes to construct 36 two story homes on a 4.88 acre parcel between North Park Victoria Drive, Creed Street, and Rankin Drive in northeast Milpitas. It would require rezoning the property from R-6 to R-3 or R--4 and rezoning it from single family low density to one and two family medium density. We who live in the neighborhood strongly and urgently request the Commission and the Council to NOT approve the zoning changes which would allow the project to procede. We feel the houses would be too crowded and would bring too many cars into the neighborhood.

There are many reasons why we feel this way. The 65 Citation homes directly west of the planned project are all on 6000 square foot lots (R-6) and all of the homes east of the project up Country Club Drive are all on at least 10,000 square foot lots. All of the many homes north of the project along North Park Victory Drive and the tributary streets are built on 10,000 square foot lots as far as the Fremont border. Admittedly there is a small group of 26 homes on the west side of North Park Victoria on Fox Hollow Ct. and 8 more on the east side which are built on 4000 square foot lots, but they are on short public cul-de-sacs with 3 very large turn around areas which gives them a feeling of spaciousness which is not present in the Robson project. 1

We have heard a lot about the housing shortage in the Bay Area and a lack of affordable housing in California and the Bay Area. Milpitas has already done a great deal to provide additional housing, especially near the new BART station which will be opening soon. There are many new 3 a d 4 story condominium homes and new very large 5 and 6 story buildings near BART and the Great Mall and a very large building across the street from the BART station. Milpitas has done more than its share to address a housing shortage in the region. The city

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PLANNING DIVISION

has removed commercial buildings in order to accomodate residential buildings, reducing job availability. This project would have a negligibly small effect on the regional housing problems, but would have a significantly detrimental effect on the local neighborhood. 1 cont.

As everyone knows, traffic in the region is terrible and has been getting worse. Specifically Freeway 680 is often bumper to bumper in each direction, especially during rush hours. Sometimes drivers exit the freeway and use North Park Victoria as an alternate route to try to bypass the freeway congestion. Most residential homes in the area have at least two cars per home and often three or more. The proposed project would add 36 two story homes including 10 with an Accessory Dwelling Unit (ADU) above a detached garage. That amounts to at least 36 x 2 + 10 = 82 additional cars and more likely 36 x 3 = 108 or more additional cars added to the local traffic. Since there is no entrance from North Park Victoria all the additional traffic would have to enter or exit the project by Creed Street and Rankin Drive. 2

The traffic in morning and afternoon rush hours is already heavy for parents driving their students to and from school or high school students driving themselves to and from Milpitas' only high school. Since Pomeroy Elementary School close to the high school is already overcrowded, students are diverted to the Burnett School and it has become more crowded. Two problems to which this project contributes are the overcrowded schools and the increased traffic to and from the schools. 3

The issue of traffic in and out of Country Club Drive seems to be underestimated and under reported. The intersection of Country Club Drive at North Park Victoria Drive has had several accidents and is probably the steepest in all of Milpitas. Country Club Drive ends at a stop sign at the bottom of a very steep hill coming down from the Summit Pointe Golf Club and many homes. There are approximately 44 homes with access before the golf club and approximately 89 more in the gated community beyond the golf club. That is a total of about 133 homes whose only access in and out is through the intersection of Country Club 4

Drive and North Park Victoria. That is about 266 cars or more. The Golf Club itself has a large parking lot with more than 100 spaces with often more that half filled. So potentially there are 200 or 300 cars which could make two or more trips per day principally in the morning and afternoon rush hours. When you turn into Country Club Drive from North Park Victoria there is a large sign which says "No Outlet". There is no alternative route in or out. Additionally the project plan states "there are no planned or approved developments which can affect any of the intersections in this proposal". That is false, there are at least two projects by Country Club Estates being developed on Country Club Drive, and there are probably more to come. This intersection is dangerous and could be made safer by changing the project plan. 4 cont. 5

The Planned Unit Development (PUD) has several shortcomings itself. The homes along North Park Victoria are lined up like New York Tenaments with very little space between them, virtually no space between them, and with on street parking in front of them. Access to their garages and driveways requires the owners to drive around to the back of the project by way of Creed Street and Rankin Drive to get to the driveway and detached garage with an Accessory Dwelling Unit (ADU) above. This may be an attempt to pay lip service to requirements for affordable housing, but at 2500 to 2900 square foot homes and potential prices of $2 million or more, this is hardly affordable housing. The streets and the utilities are private, not public, so the city will not be maintaining the streets or utilities. The streets are narrower than public streets and will be difficult to negotiate for fire trucks, garbage trucks, and any other delivery or service trucks. Technically the two dead end streets in the project are legal because they are 150 feet long or shorter. Nevertheless, there is no turnaround space and there should be. The private street which extends Blalock Street from Rankin Drive could be extended to North Park Victoria but is not. The city Traffic Engineer did not want an offset intersection where opposite streets do not face each other. A standard intersection could be achieved by extending a standard public street and curving it to face Country Club Drive, making both of them safer. 6 7 8 9 10

The report about this proposed project was supplied by an email and consisted of 11

a 602 page PDF document with a great deal of technical jargon and legalese. The traffic engineer from Hexagon Transportation Consultants in Pleasanton refused to speak to residents, willing only to deal with staff from the city. These things hinder adequate questions and comments from the public. Imposing a 3 minute comment limit from residents about a 602 page document is not reasonable. 11 cont.

The very title of the report is obfuscating: "Notice of Intent to Adopt a Mitigating Declaration" is not likely to attract the attention of a typical resident. We suggest greater clarity in these documents. A similar comment applies to the plans to build a La Quinta Motel on the other side of 680 and Jacklin, next to the Shell Gas Station. That construction may well be a surprise to nearby residents. 12

We strongly request that the Planning Commission and the City Council do NOT approve the zoning changes required for this project to procede. We suggest that if Mr. Robson and his company Robson Homes cannot or will not abide by the current zoning regulations, that he sell the property to someone who can or will. 13

ATTACHMENT B

REVISED TRANSPORTATION IMPACT ANALYSIS

Memorandum

Date: September 20, 2019

To: Mr. Steve Chan, T.E., City of Milpitas

From: Brett Walinski, T.E.

Subject: Traffic Operations Report for 1005 North Park Victoria Drive Single Family Residences

---

Hexagon Transportation Consultants, Inc. has completed this traffic operations report for the proposed residential development located at 1005 North Park Victoria Drive in Milpitas, California. The subject site is currently occupied by a vacant single-family residence. The project proposes a community of 36 single-family detached units and 10 ADUs. Access to the project site would be provided via two proposed driveways on the west side of the development, on Rankin Drive, which is connected to North Park Victoria Drive via Creed Street. The site location is shown on Figure 1.

Scope of Study

This study includes an analysis of weekday AM and PM peak hour traffic conditions at three intersections and two site driveways. The analysis was conducted in accordance with the standards and methodologies prescribed by the City of Milpitas. The study intersections are identified below and shown on Figure 2.

- North Park Victoria Drive and Jacklin Road
- North Park Victoria Drive and Country Club Drive (unsignalized)
- North Park Victoria Drive and Creed Street (unsignalized)
- Rankin Drive and North Site Driveway
- Rankin Drive and South Site Driveway

The impacts of the project were evaluated during the weekday AM and PM peak hours. The AM peak hour of traffic is typically between 7:00 AM and 9:00 AM and the PM peak hour is typically between 4:00 PM and 6:00 PM. It is during these periods that the most congested traffic conditions occur on an average weekday. Traffic conditions were evaluated for the following scenarios:

Scenario 1: *Existing Conditions.* Existing conditions are represented by existing peak hour traffic volumes on the existing roadway network. Existing traffic volumes were obtained from recent traffic counts conducted in April 2019 (see appendix).

Scenario 2: *Existing Plus Project Conditions*. Project-generated traffic volumes were added to existing traffic volumes to estimate existing plus project traffic volumes. Existing plus project conditions were evaluated relative to existing conditions in order to determine potential project impacts.

Scenario 3: *Cumulative Conditions.* Cumulative conditions (without the project) were estimated by applying growth factors derived from the City of Milpitas Travel Demand Forecast Model. No improvements to the study intersections were assumed under this scenario.

Scenario 4: *Cumulative Plus Project Conditions.* Project trips from the site were added to Cumulative traffic volumes to estimate Cumulative Plus Project conditions. Cumulative Plus Project conditions were evaluated relative to Cumulative conditions (without the project) in order to determine potential project impacts.

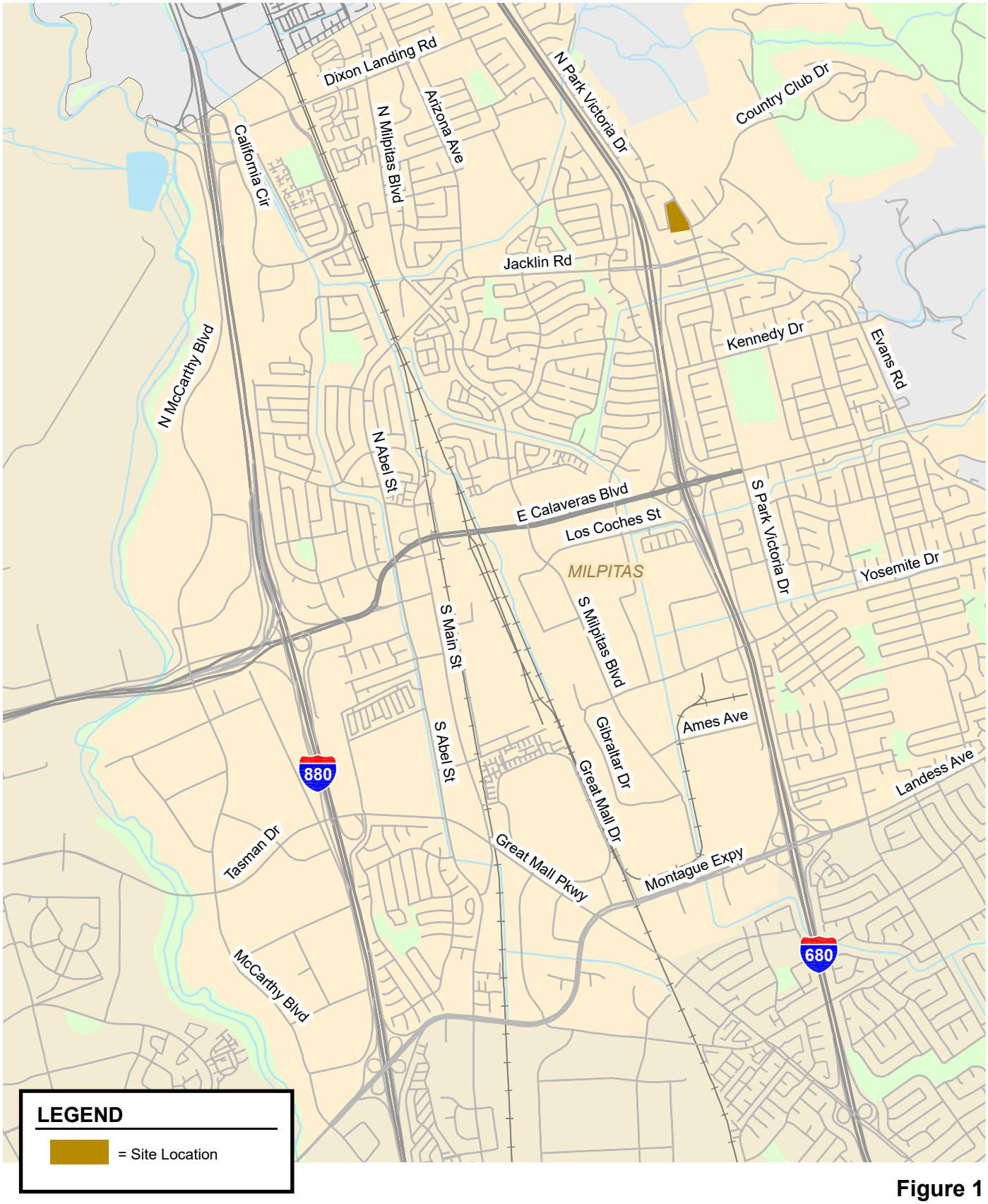

Figure 1
Site Location

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NORTH
Not to Scale

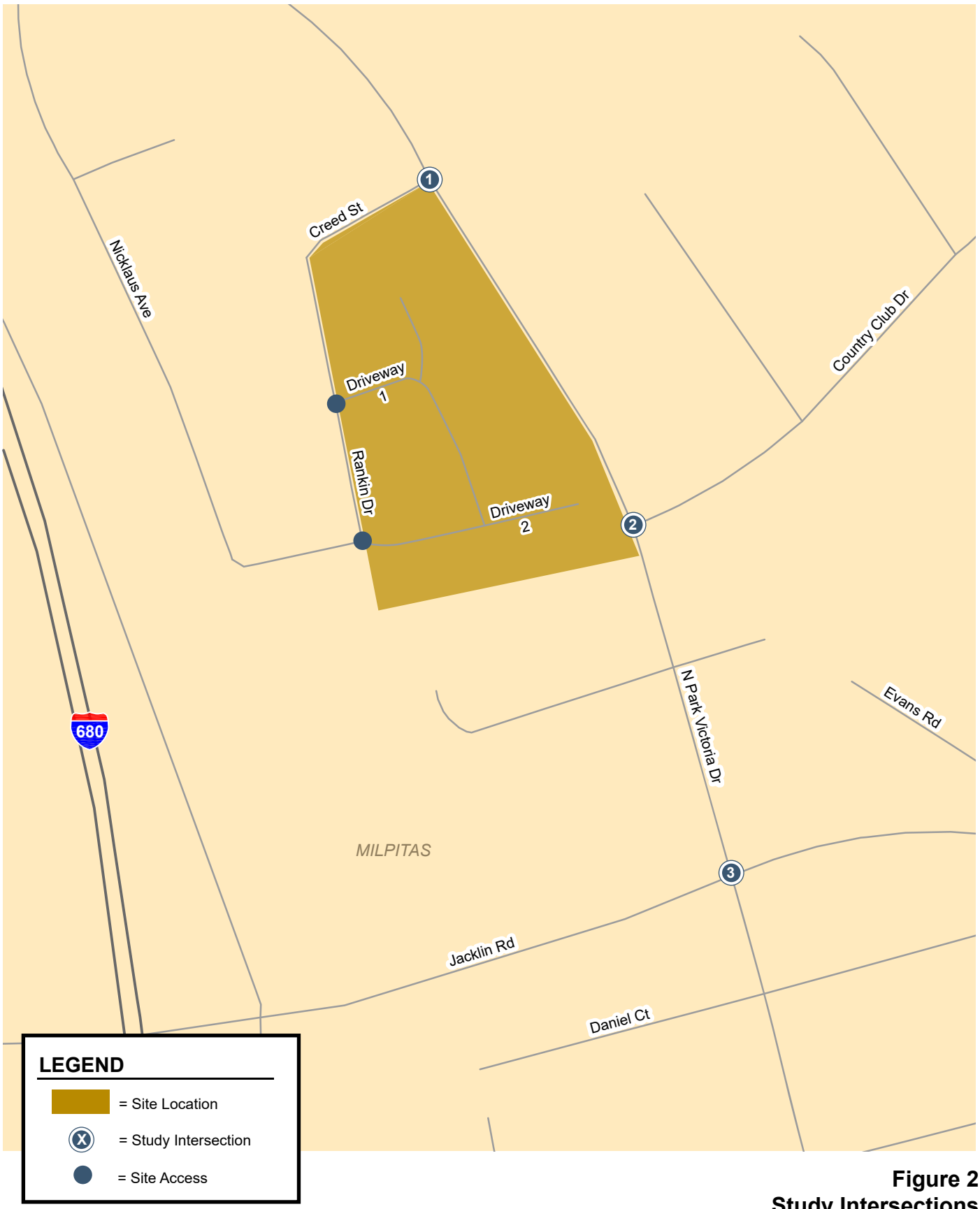

Figure 2
Study Intersections

NORTH
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A background conditions scenario was not included in this analysis because there are no approved but not yet constructed developments that would add traffic to the study intersections. In addition, a Congestion Management Program (CMP) analysis was not required because the project is estimated to generate fewer than 100 peak-hour trips. Intersection operations were evaluated using TRAFFIX, based on the Highway Capacity (HCM) level of service methodology for signalized and unsignalized intersections during peak hours. This report also includes an evaluation of project site access and circulation.

Existing Transportation Setting

Regional access to the project site is provided via Interstate 680 (I-680). Local access to the site is provided via Jacklin Road, North Park Victoria Drive, Creed Street, and Rankin Drive. These roadways are described below.

I-680 is a north-south freeway which extends from I-280 in San Jose in the south and ends at I-80 near Green Valley in the north. Within the project vicinity, I-680 primarily has three northbound lanes and three southbound mixed flow lanes as well as an HOV lane in the southbound direction. The closest access to the project site is provided by the interchange at Jacklin Road.

Jacklin Road is a four lane, east-west, arterial street that extends from Milpitas Boulevard in the west to North Park Victoria Drive in the east. At its west end, Jacklin Road becomes north Abel Street west of North Milpitas Boulevard and curves south to intersect with East Calaveras Boulevard. East of North Park Victoria Drive, Jacklin Road becomes two-lane Evans Road and continues south to the foothills on the east side of Milpitas. Jacklin Road provides direct access to I-680 south of the project site via North Park Victoria Drive. It has a two-way left turn lane in the project vicinity, between I-680 and North Park Victoria Drive.

North Park Victoria Drive is generally a two-lane, north-south, collector street that begins just south of Scott Creek Road in the north and terminates at East Calaveras Boulevard in the south.

Creed Street is an east-west residential street extending from North Park Victoria Drive at the east end to Rankin Drive at the west end. On-street parking is permitted on Creed Street.

Rankin Drive is a north-south residential street extending from Creed Street at the north end to Nicklaus Avenue at the south end. On-street parking is permitted on Rankin Drive. It would provide direct site access via two driveways.

Existing bicycle access to the project vicinity is provided primarily via a network of nearby Class II bike lanes and Class III bike routes which are shared with vehicular traffic. There are existing Class II bike lanes on Jacklin Road except a section between I-680 and North Park Victoria Drive, which is a bicycle route. North Park Victoria Drive has Class II bike lanes from the city border with Fremont, along the eastern border of the site, to Jacklin Road, south of which North Park Victoria Drive serves as a Class III bicycle route.

In the future, the *City of Milpitas General Plan* shows future upgraded Class II bike lanes on existing bike lane gaps on Jacklin Road (between the southbound I-680 on/off ramps and North Park Victoria Drive) and on North Park Victoria Drive south of Jacklin Road. Country Club Drive is planned to serve as a Class III bicycle route.

Sidewalks are generally found along all previously-described roadways in the study area and along the streets near the site, with a few exceptions. There are no sidewalks along the project frontages on North Park Victoria Drive, Creed Street, or Rankin Drive. There are also no sidewalks on the south side of Country Club Drive. All nearby signalized study intersections provide crosswalks.

Existing transit service in the project vicinity is provided by the Valley Transportation Authority (VTA). The nearest bus route is Line 46. Line 46 connects the Great Mall Transit Center with Milpitas High School via Great Mall Parkway, Montague Expressway/Landess Avenue, Park Victoria Drive, and Jacklin Road. In addition, Line 46 provides connections to the VTA light rail service at the Great Mall Transit Center. The bus operates between 6:00 AM and 7:00 PM on weekdays, with 30-minute headways in the AM and PM peak periods. The closest bus stops are located on North Park Victoria Drive south of Jacklin Road, approximately 1,000 feet south of the project site.

An extension of BART from South Fremont to North San Jose/Berryessa is currently under construction along the existing Union Pacific rail line. A new Milpitas station, tentatively scheduled to open in late 2019, will be located approximately 3.5 miles from the project site at the Montague Expressway/Great Mall Parkway intersection.

Existing Traffic Observations

Traffic conditions in the field were observed in order to identify existing operational deficiencies and to confirm the accuracy of calculated levels of service. The purpose of this effort was (1) to identify any existing traffic problems that may not be directly related to intersection level of service, and (2) to identify any locations where the level of service calculation does not accurately reflect level of service in the field. The field observations revealed that the level of service analysis generally reflects actual existing traffic conditions. Notable observations are summarized below.

North Park Victoria Drive and Jacklin Road. During the AM peak hour, the northbound left turn queue on North Park Victoria Drive onto westbound Jacklin Road frequently spills out of the turn pocket and into the adjacent northbound through lane. This was also observed to occur during the PM peak hour, though less frequently. It should be noted that the project is not expected to add any traffic to this movement.

Project Traffic Estimates

The magnitude of traffic produced by a new development, and the locations where that traffic would appear, are typically estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic entering and exiting the site was estimated for the weekday AM and PM peak hours. As part of the project trip distribution step, an estimate was made of the directions to and from which the project trips would travel. In the project trip assignment step, the project trips were assigned to specific streets and intersections in the study area. These procedures are described further in the following sections.

Through empirical research, data have been collected that correlate common land uses to their propensity for producing traffic. Thus, for the most common land uses there are standard trip generation rates that can be applied to help predict the future traffic increases that would result from a new development. Project trip generation was estimated by applying to the size and uses of the development the appropriate trip generation rates published by the Institute of Transportation Engineers (ITE) in *Trip Generation*, *10th Edition*. Based on ITE's trip generation rates for single family detached housing (ITE code 210) and multi-family housing (ITE code 220), the project would generate 413 daily vehicle trips, with 32 trips occurring during the AM peak hour and 42 trips occurring during the PM peak hour. Because the existing single family home has been vacant for a long period of time and the site does not currently generate any traffic, no trip credit was applied (see also Table 1).

The trip distribution pattern for the proposed use was estimated based on neighboring land uses and local traffic patterns in consultation with City staff. Trips were assigned to the roadway network in accordance with the trip distribution. The trip distribution and project trip assignment are shown on Figure 3.

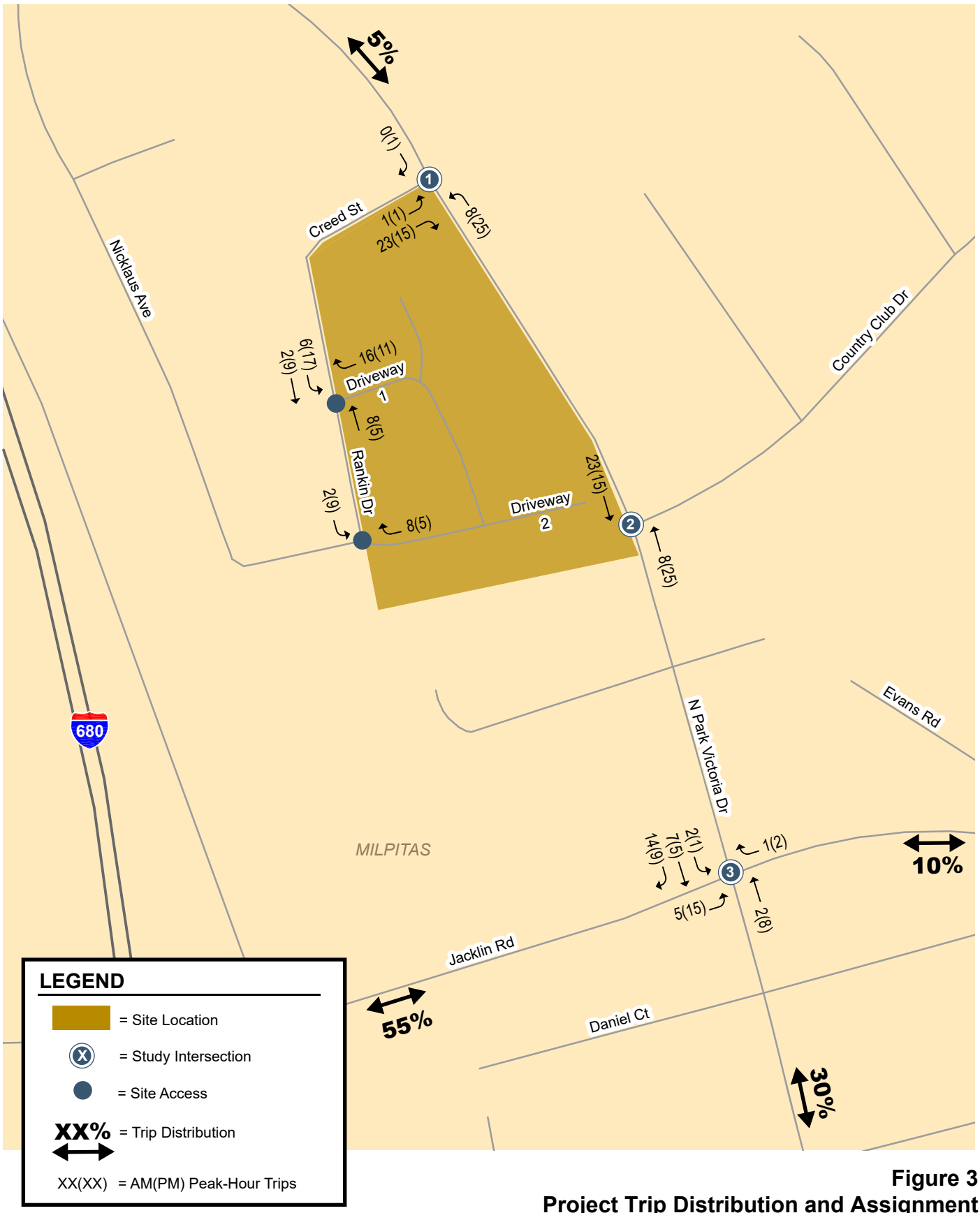


Figure 3
Project Trip Distribution and Assignment

Table 1
Project Trip Generation Estimates

		Daily		AM Peak Hour Total				PM Peak Hour Total			
Land Use	Size	Rate	Trips	Rate	Trips	In	Out	Rate	Trips	In	Out
Detached Single Family Units[1]	36 units	9.44	340	0.74	27	7	20	0.99	36	22	14
Apartments[2]	10 units	7.32	73	0.46	5	1	4	0.56	6	4	2
Total Project Trips			413		32	8	24		42	26	16

[1] Rates based on ITE Trip Generation, 10th Edition for Single Family Detached Housing (ITE 210).
[2] ADUs. Based on rates for multi-family low-rise housing, ITE code 220.

Traffic Volumes and Roadway Network

Traffic volumes for existing conditions were determined from existing traffic counts conducted in April 2019. Existing volumes are shown on Figure 4. Existing plus project traffic conditions are represented by existing traffic volumes plus project trips on the existing roadway network. Existing plus Project volumes are shown on Figure 5. The count data are included in Appendix A.

Cumulative (no project) traffic volumes were estimated based on forecasts from the City of Milpitas Travel Demand Forecast Model. From the forecasts an annual growth rate was established and applied to existing volume five years into the future. Traffic volumes for Cumulative plus Project conditions are represented by adding to the cumulative no project volumes the traffic generated by the project. Cumulative and Cumulative plus Project traffic volumes are shown on Figures 6 and 7, respectively.

Under cumulative and cumulative plus project conditions, the roadway network was assumed unchanged from existing conditions.

Intersection Level of Service Methodology

Traffic conditions at the signalized and unsignalized study intersections were evaluated using level of service (LOS). *Level of Service* is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays. The City of Milpitas utilizes TRAFFIX software and the Highway Capacity Manual (HCM) methodology to evaluate intersection operations. The HCM methodology evaluates intersection operations on the basis of average delay time for all vehicles at the intersection. For side-street-stop-controlled (SSSC) intersections, HCM also provides the level of service and delay for operations on the worst approach. The delay can then be correlated to a level of service.

Signalized Intersection Significant Impact Criteria

At signalized intersections in Milpitas, the minimum acceptable level of service is LOS D. According to the City of Milpitas, project impacts at signalized intersections occur when:

1. The level of service at an intersection drops below its LOS standard when project traffic is added; or
2. An intersection that is operating worse than its level of service standard under no project conditions has an increase in critical delay of four or more seconds AND the demand-to-capacity ratio (V/C) is increased by more than 0.01 when project traffic is added.

The exception to this threshold is when the addition of project traffic reduces the amount of average delay for critical movements (i.e. the change in average delay for critical movements is negative). In that case, the threshold is when the project increases the critical V/C value by 0.01 or more.

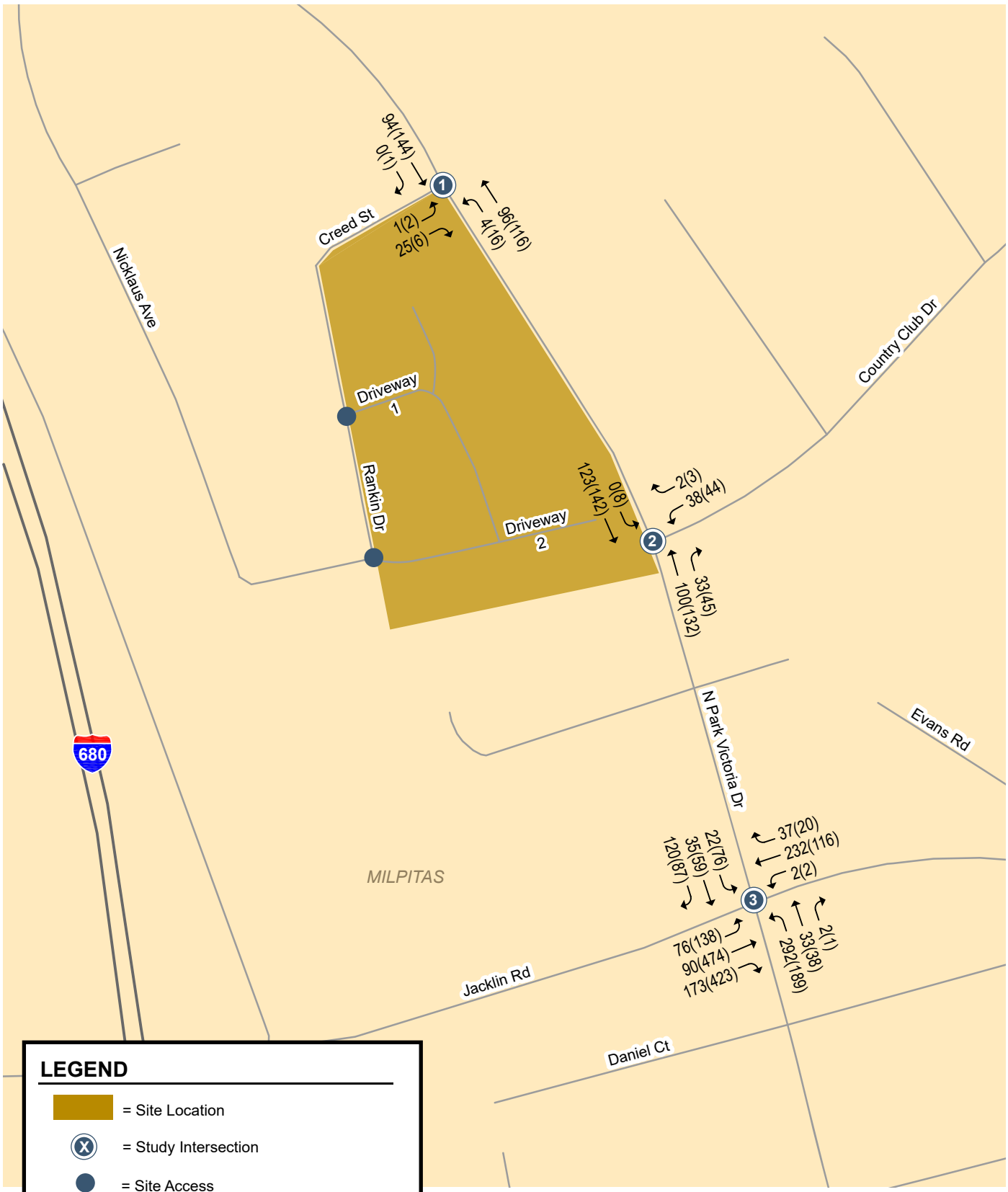


Figure 4
Existing Traffic Volumes

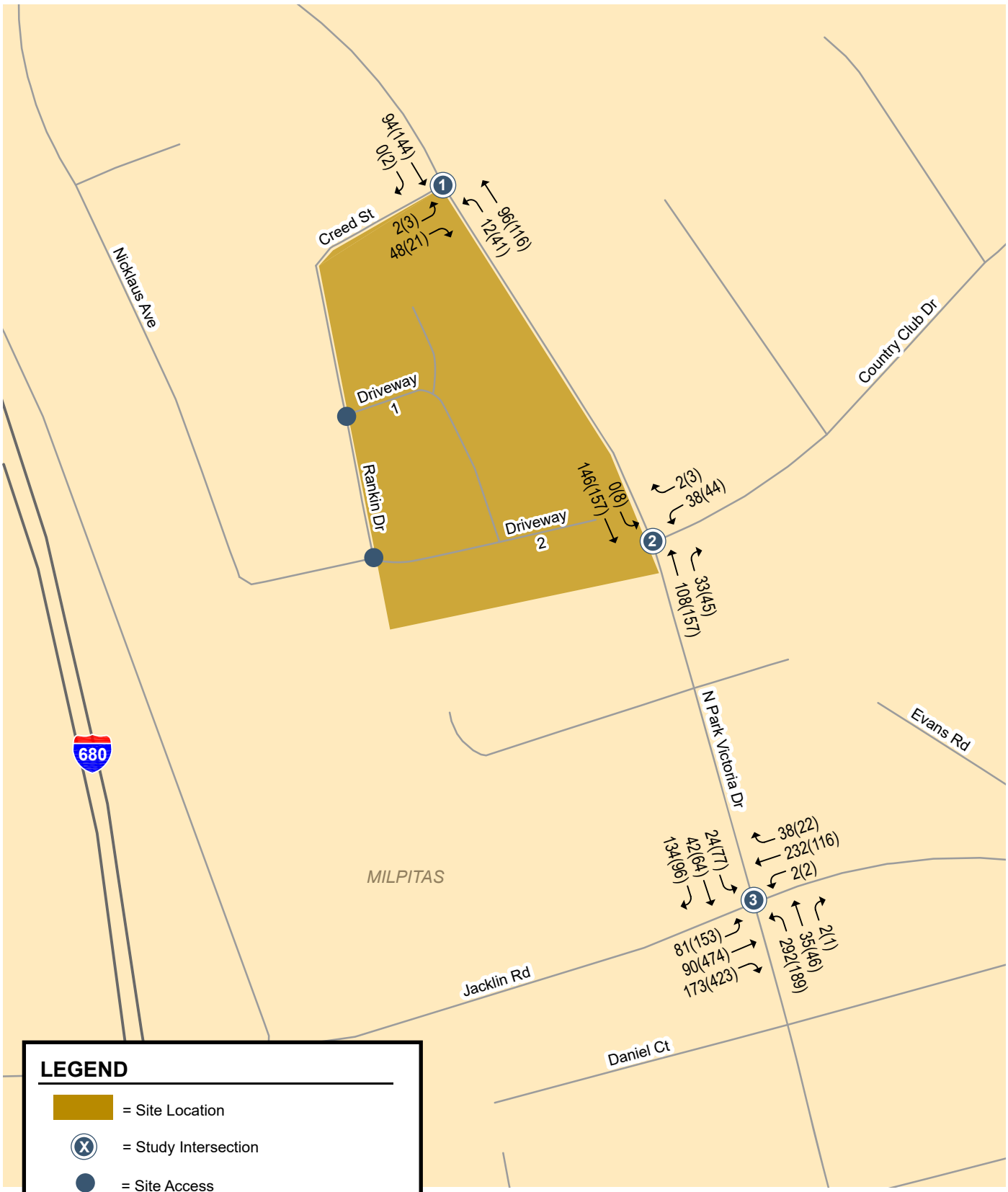


Figure 5
Existing Plus Project Traffic Volumes

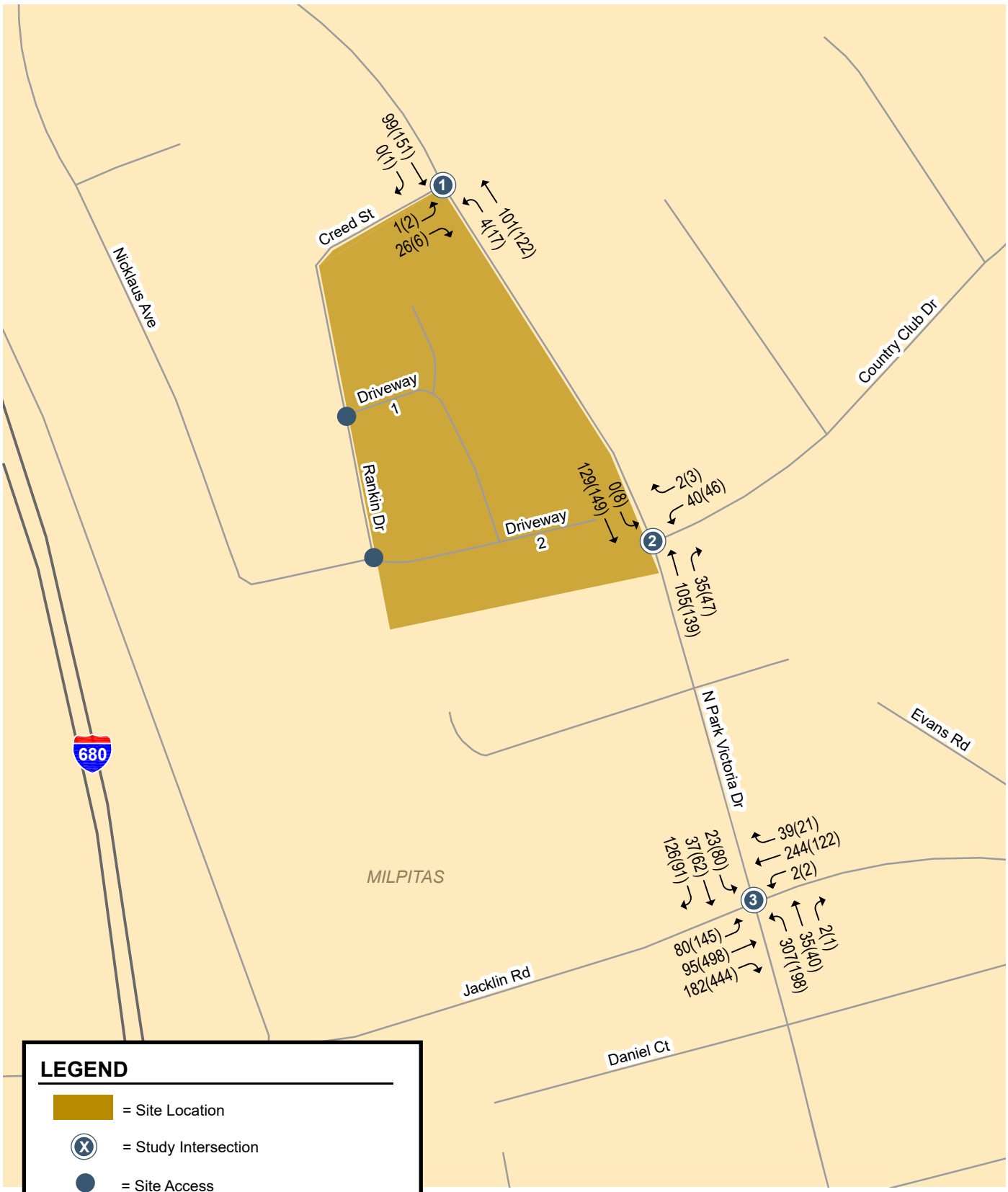


Figure 6
Cumulative No Project Traffic Volumes

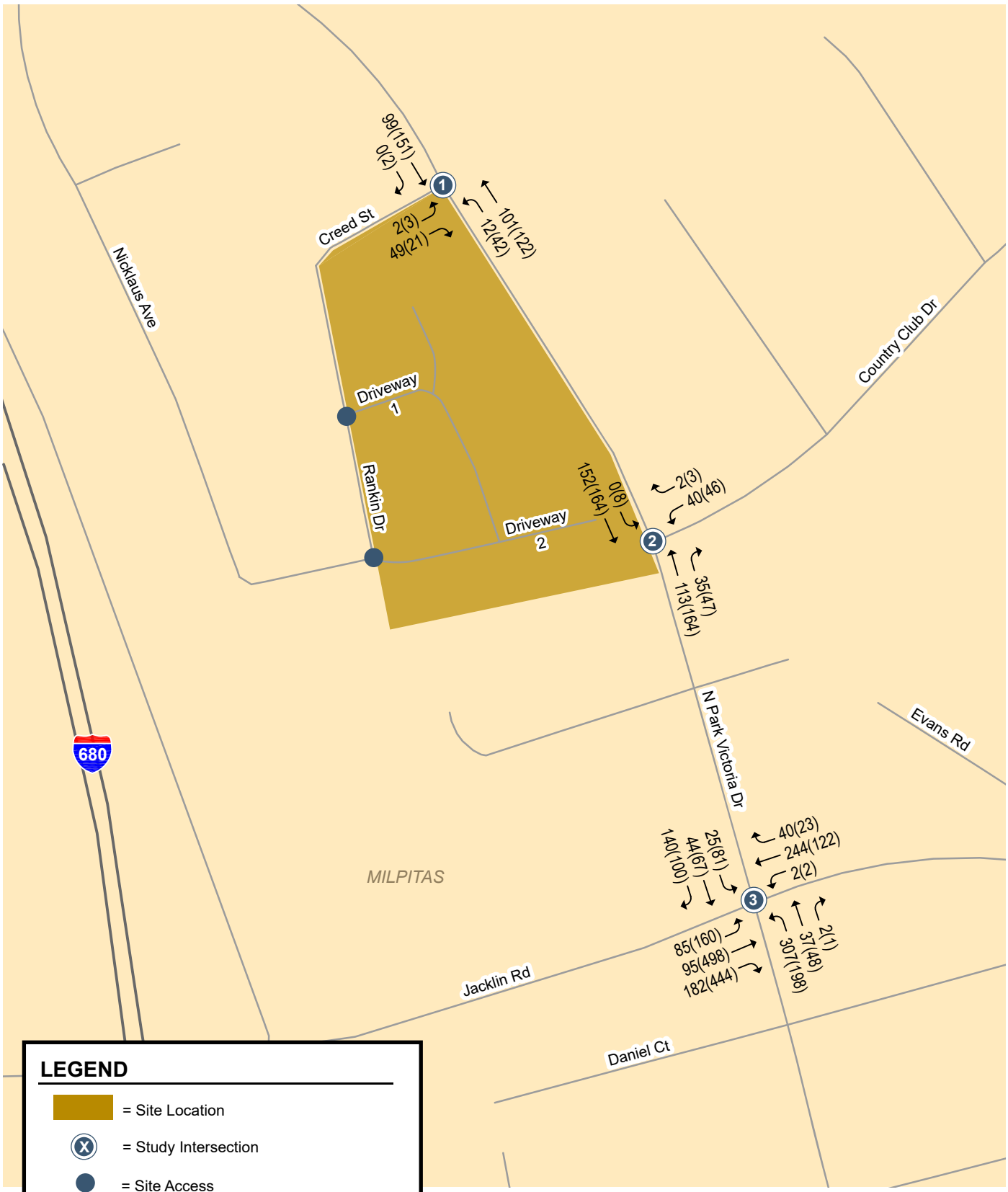


Figure 7
Cumulative With Project Traffic Volumes

A significant impact at a signalized intersection is said to be satisfactorily mitigated when measures are implemented that would restore intersection levels of service to an acceptable LOS or restore the intersection to operating levels that are better than no project conditions.

Signalized Intersection Level of Service Analysis

Intersection levels of service were calculated for existing, existing plus project, cumulative and cumulative plus project conditions. The results of the signalized intersection level of service analysis under existing and existing plus project conditions are summarized in Table 2. The results of the signalized intersection level of service analysis under cumulative conditions without and with the project are summarized in Table 3.

The results show that the signalized study intersection of North Park Victoria Drive and Jacklin Road currently operates at an acceptable LOS C under existing conditions and would continue to operate at an acceptable LOS C under existing conditions with the project. Under Cumulative conditions, the intersection of North Park Victoria Drive and Jacklin Road would operate at an acceptable LOS C during both peak hours, both with and without the project. According to the City of Milpitas level of service standards, the project would therefore have no impact on the signalized intersection level of service. The level of service calculation sheets are included in Appendix B.

Unsignalized Intersection Operations Analysis

Unlike signalized intersections, which typically represent constraint points for the roadway network, unsignalized intersections rarely limit the potential capacity of a roadway. The determination of appropriate improvements to unsignalized intersections typically includes a qualitative and quantitative analysis of movement delay, traffic signal warrants, movement traffic volumes, availability of alternate routes, and intersection safety. For this reason, improvements to unsignalized intersections are frequently determined on the basis of professional engineering judgment. The City of Milpitas does not apply significance thresholds to unsignalized intersections.

Both unsignialized study intersections are side-street-stop-controlled (SSSC). For SSSC intersections, levels of service and delays are calculated for both the overall average delay for the intersection, and for the approach with highest delay.

The results of the unsignalized level of service analysis under existing and existing plus project conditions are summarized in Table 2. The results of the unsignalized intersection level of service analysis under cumulative conditions without and with the project are summarized in Table 3. The results show that, for overall intersection operations and for operations on the worst approach, both unsignalized study intersections currently and in the future would operate at an acceptable LOS B or better under all study scenarios. The unsignalized intersection level of service calculation sheets are included in Appendix B.

Signal Warrant Analysis

The level of service analysis for the unsignalized intersections was supplemented with an assessment of the need for signalization of the intersections. For this study, the need for signalization was assessed on the basis of the peak-hour volume signal warrant – warrant #3 – described in the *California Manual on Uniform Traffic Control Devices* (MUTCD). This method provides an indication of whether traffic conditions and peak-hour traffic levels are, or would be, sufficient to justify installation of a traffic signal.

The peak-hour volume signal warrant analysis was conducted for the two unsignalized, SSSC, intersections under existing and existing plus project conditions, and cumulative conditions without and with the project. The results show that the signal warrant would not be met under any of the scenarios during either peak hour. All signal warrant calculation sheets are included in Appendix C.

Table 2
Intersection Levels of Service under Existing and Existing Plus Project Conditions

				Existing		Existing + Project			
	Traffic	Peak	LOS	Avg.		Avg.		Increase in:	
Intersection	Control	Hour	Standard[1]	Delay	LOS	Delay	LOS	Delay[2]	V/C
N. Park Victoria Dr & Creed St	SSSC	AM	n/a	1.2 / 8.9	A / A	2.1 / 9.0	A / A	0.9 / 0.1	n/a
		PM	n/a	0.7 / 9.3	A / A	1.6 / 9.3	A / A	0.9 / 0.0	n/a
N. Park Victoria Dr & Country Club Dr	SSSC	AM	n/a	1.3 / 10.0	A / A	1.3 / 10.2	A / B	0.0 / 0.2	n/a
		PM	n/a	1.5 / 10.4	A /B	1.5 / 10.7	A / B	0.0 / 0.3	n/a
N. Park Victoria Dr & Jacklin Rd	signal	AM	D	24.1	C	24.4	C	0.4	0.013
		PM	D	20.8	C	21.0	C	0.2	0.006

Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual (HCM) methodology. Signalized intersection levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersections are reported for both the overall average delay / the approach with highest delay.

[1] There is no LOS standard for unsignalized (SSSC) intersections.

[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay / the approach with highest delay.

Table 3
Intersection Levels of Service under Cumulative Conditions Without and With the Project

				Cumulative					
				No Project		With Project			
	Traffic	Peak	LOS	Avg.		Avg.		Increase in:	
Intersection	Control	Hour	Standard[1]	Delay	LOS	Delay	LOS	Delay[2]	V/C
N. Park Victoria Dr & Creed St	SSSC	AM	n/a	1.2 / 8.9	A / A	2.1 / 9.0	A / A	0.9 / 0.1	n/a
		PM	n/a	0.7 / 9.4	A / A	1.6 / 9.4	A / A	0.9 / 0.0	n/a
N. Park Victoria Dr & Country Club Dr	SSSC	AM	n/a	1.4 / 10.1	A / B	1.4 / 10.3	A / B	0.0 / 0.2	n/a
		PM	n/a	1.5 / 10.5	A /B	1.5 / 10.9	A / B	0.0 / 0.4	n/a
N. Park Victoria Dr & Jacklin Rd	signal	AM	D	24.4	C	24.6	C	0.3	0.013
		PM	D	21.2	C	21.4	C	0.1	0.006

Note: Signalized and unsignalized intersection levels of service are based on the Highway Capacity Manual (HCM) methodology. Signalized intersection levels of service and delays reported are for average control delay per vehicle. The intersection levels of service and delays for SSSC intersections are reported for both the overall average delay / the approach with highest delay.

[1] There is no LOS standard for unsignalized (SSSC) intersections.

[2] For signalized intersections, the increase in delay shown here represents increase in critical delay. For unsignalized intersections, the increase in delay represents the increase in average delay / the approach with highest delay.

Impacts to Pedestrians, Bicycles, and Transit

The potential impacts of the project on pedestrian, bicycle and transit are described below.

Pedestrian Facilities. Existing observations at the study intersections showed minimal pedestrian activity at the study intersections. The most pedestrian activity was observed at the intersection of North Park Victoria Drive and Jacklin Road, with 8 pedestrian crossings in the AM peak hour and 14 pedestrian crossings in the PM peak hour for all approaches combined.

According to the U.S. Census, pedestrian trips comprise approximately one percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming one percent of total commute trips would be walking trips, there would be approximately one pedestrian trip during each of the AM and PM peak hours. The proposed project also would generate pedestrian trips to/from transit stops, recreation areas, and employment centers. The volume of pedestrian trips generated by the project would not exceed the carrying capacity of the sidewalks and crosswalks nearby.

As described previously, there are currently no sidewalks along any of the project frontages, including the frontage along North Park Victoria Drive. Although very few pedestrian trips are anticipated to and from the site, the City's General Plan policies encourage non-motorized travel, including walking, bicycling and transit. The relevant *Pedestrian and Bicycle Circulation Principles and Policies* of the Milpitas General Plan are described below.

Implementing Policy 3.d.I.9:

> Require developers to make new projects as bicycle and pedestrian "friendly" as feasible, especially through facilitating pedestrian and bicycle movements within sites and between surrounding civic, recreation, education, work, and retail centers.

Sidewalk Policy 3.d.I.29:

> Require sidewalks on both sides of the street as a condition of development approval, where appropriate with local conditions.

Consistent with existing City policies, the proposed project would provide a continuous sidewalk connection along its frontages on North Park Victoria Drive, Creed Street, and Rankin Drive.

Bicycle Facilities. U.S. Census data indicate that bicycle trips comprise less than one percent of the total commute mode share in the City of Milpitas. For the proposed project, this would equate to approximately one new bike trip during each of the AM and PM peak hours. The low volume of bicycle trips generated by the project would not exceed the bicycle-carrying capacity of streets surrounding the site, and the increase in bicycle trips would not by itself require new off-site bicycle facilities. The existing bike lanes on North Park Victoria Drive would be unaffected by the proposed on-street parking along the project frontage.

According to the CMP Transportation Impact Analysis Technical Guidelines, a project would create an impact on pedestrian and bike circulation if: (1) it would reduce, sever or eliminate existing or planned bike/pedestrian access and circulation in the area; (2) it would preclude, modify, or otherwise affect proposed bicycle and pedestrian projects and/or policies identified in the Lead Agency's adopted bicycle/pedestrian plan or the plans of other agencies such as the County's bicycle plan or adjacent Cities' bicycle/pedestrian plans; or (3) it would cause a change to existing bike paths such as alignment, width of the trail ROW, or length of the trail. Construction of the proposed project would not cause any of these criteria to be met. Consequently, the proposed project would not create an adverse impact to pedestrian or bicycle facilities in the area.

Transit Service. According to the U.S. Census, transit trips comprise approximately 3 percent of the total commute mode share in the City of Milpitas. For the proposed project, assuming 3 percent of total commute trips would be transit trips, there would be approximately one transit trip during each of the AM and PM peak hours. In addition to commute trips, there would be additional transit trips to nearby schools,

parks, and shopping areas. The low volume of transit trips generated by the project would not exceed the carrying capacity of the existing transit service to the site.

According to the VTA TIA Technical Guidelines, a project would create an impact on transit if: (1) it would generate a demand for additional transit services; or (2) it would cause a permanent or temporary reduction of transit availability or interference with existing transit users, e.g., relocation/closure of a transit stop or vacation of a roadway utilized by transit. The project, by itself, would not require additional transit service to the area or improvements to existing transit service frequencies. The project would not preclude, modify or otherwise affect existing or proposed transit projects or policies identified by the VTA. Consequently, the proposed project would not create an adverse impact to transit service in the area.

Site Access

The project site plan, by Robert Hidey Architects, dated April 25, 2019, is shown on Figure 8. The site would have access via two driveways on Rankin Drive, which is accessible to North Park Victoria Drive by way of Creed Street. Rankin Drive forms the western border of the site. The site would have no access on North Park Victoria Drive. According to the site plan, the project proposes to construct along the North Park Victoria Drive frontage a sidewalk and provide on-street parking recessed from the alignment of the existing southbound bike lane. The setback of on-street parking would be facilitated by a bulbout at the Creed Street intersection and a curb taper at the south end of the site. As described previously, the on-street parking and attendant design features would not affect the existing southbound bike lane. This design is consistent with the existing cross-section of N. Park Victoria north of the project site, which allows for vehicular parking adjacent to a bike lane. According to the Statewide Integrated Traffic Records System (SWITRS), there have been no vehicular accidents on N. Park Victoria Drive north of Country Club Drive in the past three years.

The north driveway is shown on the site plan to be 28 feet wide, located approximately 200 feet south of Creed Street. The south driveway is shown on the site plan to be 26 feet wide, located approximately 250 feet south of the north driveway, opposite Nicklaus Avenue.

Vehicle queuing was assessed for the two site driveways, in particular, the inbound left turns into the driveways and the outbound right turns out of the driveways. The inbound left turns from southbound Rankin Drive into the driveways are assessed in terms of potential for creating backups on southbound Rankin Drive as a result of waiting to turn into the site. With Rankin Drive having one lane in each of the northbound and southbound directions, any stoppage of vehicles on Rankin Drive at the driveways could create a backup on Rankin Drive. The volume of peak-hour traffic on the section of Rankin Drive fronting the site is currently very low, equating to one car every two minutes, on average. With this low volume of traffic, gaps in traffic would be of sufficient frequency and duration as to provide relatively free and unimpeded left-turn access into the driveways.

The outbound turns out of the site driveways are assessed in terms of potential for creating backups on site, specifically, the potential for westbound vehicle queues to back up from Rankin Drive and block one of the residence's driveways on site. At both driveways, the distance from Rankin Drive back to the first driveway is about 35 feet- sufficient for one car length. The outbound volumes would be highest in the AM peak hour. As shown on Figure 3, the AM peak-hour volume of outbound vehicles is 16 cars at the north driveway and 8 cars at the south driveway. As stated above, the volume of traffic on the section of Rankin Drive fronting the site would be low enough that any on-site vehicle queues exceeding one car would be infrequent and brief in duration.

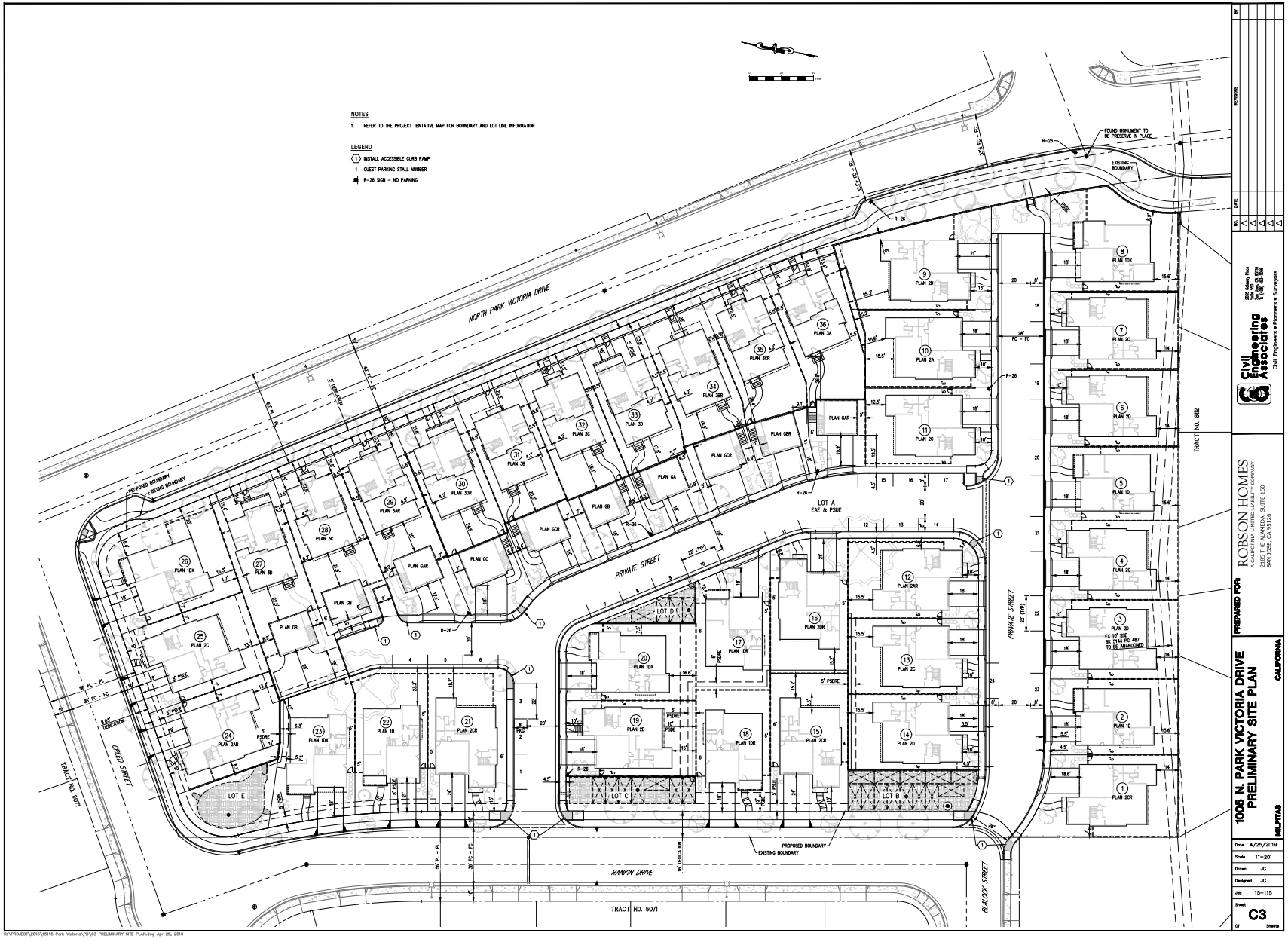


Figure 8
Site Plan

Vehicular sight distance was evaluated for each proposed project driveway. Given the existing conditions on Rankin Drive- the 25-mile-per-hour speed limit, the low volume of traffic, and the absence of physical obstructions, the sight distance at both driveways would be adequate. The only factors potentially affecting sight distance are on-street parking and any new physical obstructions that would accompany development of the site.

Recommendation 1: The final design of the site should be reviewed by City staff to ensure that adequate sight distance is provided at the site driveways.

Site Circulation

The on-site circulation system consists of a semi-rectangular loop connecting the North and South Driveways. From the northern end of the loop extends a 105-foot, north-south cul-de-sac parallel to Rankin Drive. From the southern end of the loop extends a 150-foot, east-west, cul-de-sac.

The streets on-site are shown to be two-lanes wide with parking on-street. The northern half of the north-south street, the east-west street at the north, and the two cul-de-sacs are shown to be 28-feet wide with parking on one side. The southern half of the north-south street and the east-west street at the south are shown to be 36-feet wide with parking on both sides. The curb radii at the intersecting streets are not specified, but they appear to be adequate, measuring a minimum of 20 feet. With sidewalks along each on-site street, the building setbacks, and the low vehicle speeds and volumes, the sight distances at the intersections on site would be satisfactory.

The two cul-de-sacs are, by definition, dead-end streets. Neither provide space for a turnaround. However, since the streets are private streets used only by residents or their guests, all vehicles entering the cul-de-sacs would likely be assured a place to park or place to turn around. Therefore, the dead ends are not inappropriate for the project use.

The on-site street circulation- street alignments, widths and corner radii- is adequate to accommodate the circulation of trucks, garbage collection, and emergency vehicles. The length of the cul-de-sacs should be short enough (105 feet and 150 feet) to accommodate fire department services. Loading would be provided on street or in private driveways.

Pedestrian circulation on-site, and pedestrian access to off-site pedestrian facilities, appears adequate. All streets on-site are shown to have sidewalks on both sides, and sidewalks are shown to be provided along all public streets fronting the site- North Park Victoria Drive, Creed Street and Rankin Drive, none of which currently have sidewalks. At the east end of the east-west street on south side of the site, the sidewalk is shown extended to the proposed new sidewalk on North Park Victoria Drive. This would provide residents with convenient pedestrian access to pedestrian facilities off site.

The site plan does not indicate any provisions for bicycle parking. The Milpitas city code requires bicycle parking be provided in an amount equal to or greater than 5 percent of the total vehicle parking required. It is common, however, that for residential units with garages, bike parking would presumably be provided within private garages.

Recommendation 2: The number, type and location of bicycle facilities provided by the project will be subject to review by city staff.

Conclusions

The impacts of the proposed project were evaluated in accordance with the procedures and guidelines specified by the City of Milpitas. The analysis resulted in the following key findings:

- The proposed project would not result in any level of service impacts to the study intersections.
- Signal warrants are not and would not be met under existing or cumulative conditions without or with the addition of project traffic during either peak hour.
- The project would not create any impacts on pedestrian, bike, or transit facilities.

In addition, the analysis also produced the following recommendations with regard to site circulation and access:

1. The final design of the site should be reviewed by City staff to ensure that adequate sight distance is provided at the site driveways.
2. The number, type and location of bicycle facilities provided by the project will be subject to review by city staff.

Technical Appendices

Appendix A

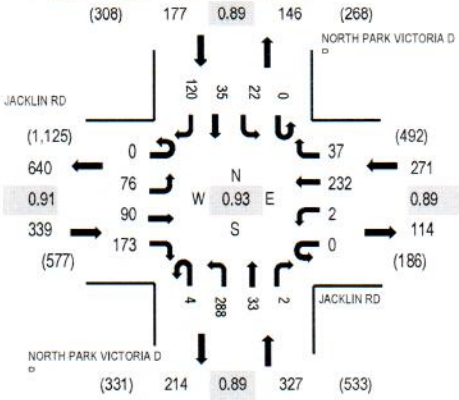
Traffic Counts

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

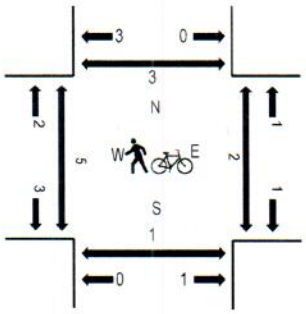
Location: 1 NORTH PARK VICTORIA DR & JACKLIN RD AM
Date: Tuesday, April 23, 2019
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 08:00 AM - 08:15 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	JACKLIN RD Eastbound				JACKLIN RD Westbound				NORTH PARK VICTORIA DR Northbound				NORTH PARK VICTORIA DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	23	7	13	0	0	38	5	1	33	3	0	0	3	1	29	156	885	0	1	0	0
7:15 AM	0	14	13	27	0	0	50	3	0	59	4	1	0	2	5	21	199	1,030	1	0	1	0
7:30 AM	0	19	12	40	0	1	57	11	0	66	10	2	0	5	7	37	267	1,114	1	1	0	0
7:45 AM	0	16	28	49	0	0	51	6	2	68	6	0	0	3	14	20	263	1,055	0	0	0	0
8:00 AM	0	19	21	43	0	1	62	13	1	83	8	0	0	5	10	35	301	1,025	0	1	0	0
8:15 AM	0	22	29	41	0	0	62	7	1	71	9	0	0	9	4	28	283		0	0	1	0
8:30 AM	0	22	14	33	0	0	47	10	0	47	7	2	0	0	5	21	208		0	0	3	1
8:45 AM	0	20	22	30	0	0	61	7	0	42	4	3	0	5	2	37	233		0	0	1	1

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	75	90	167	0	2	230	37	4	285	33	2	0	22	35	119	1,101
Mediums	0	1	0	5	0	0	2	0	0	3	0	0	0	0	0	1	12
Total	0	76	90	173	0	2	232	37	4	288	33	2	0	22	35	120	1,114

All Traffic Data Services Inc.

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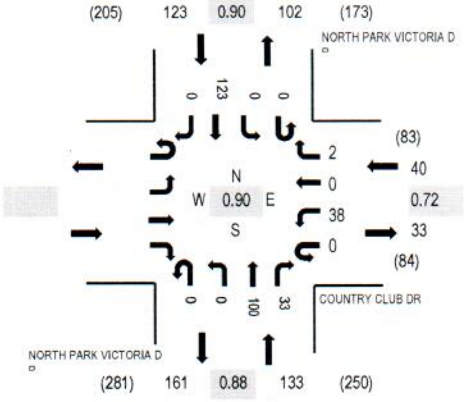
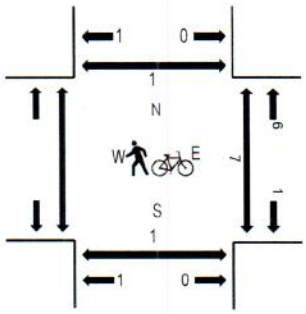
Location: 2 NORTH PARK VICTORIA DR & COUNTRY CLUB DR AM
Date: Tuesday, April 23, 2019
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	Eastbound				COUNTRY CLUB DR Westbound				NORTH PARK VICTORIA DR Northbound				NORTH PARK VICTORIA DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM					0	6	0	0	0	0	19	13	0	0	23	0	61	255		3	0	0
7:15 AM					0	10	0	0	0	0	10	12	0	0	18	0	50	268		0	0	0
7:30 AM					0	12	0	0	0	0	28	8	0	0	34	0	82	296		1	0	0
7:45 AM					0	6	0	0	0	0	20	8	0	0	28	0	62	275		1	0	0
8:00 AM					0	11	0	0	0	0	24	7	0	0	32	0	74	283		3	0	0
8:15 AM					0	9	0	2	0	0	28	10	0	0	29	0	78			2	1	0
8:30 AM					0	9	0	1	0	0	23	12	0	1	15	0	61			1	0	0
8:45 AM					0	15	0	2	0	0	16	12	0	1	24	0	70			0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total
Articulated Trucks					0	0	0	0	0	0	0	0	0	0	0	0	0
Bicycles on Road					0	0	0	0	0	0	0	0	0	0	0	0	0
Lights					0	38	0	2	0	0	99	33	0	0	122	0	294
Mediums					0	0	0	0	0	0	1	0	0	0	1	0	2
Total					0	38	0	2	0	0	100	33	0	0	123	0	296

All Traffic Data Services Inc.

(303) 216-2439
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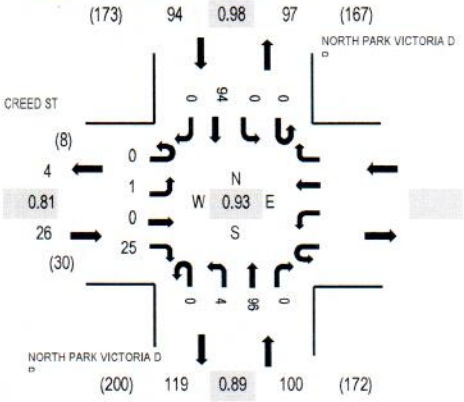
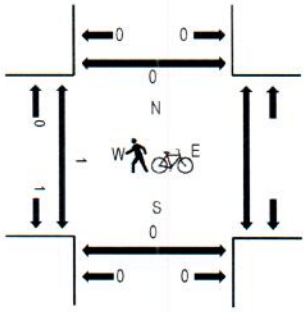
Location: 3 NORTH PARK VICTORIA DR & CREED ST AM
Date: Tuesday, April 23, 2019
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	CREED ST Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	NORTH PARK VICTORIA DR Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	NORTH PARK VICTORIA DR Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total	Rolling Hour	Pedestrian Crossings West	East	South	North
7:00 AM	0	0	0	0					0	0	18	0	0	0	23	0	41	174	0		0	0
7:15 AM	0	0	0	0					0	0	10	0	0	0	17	0	27	189	0		0	0
7:30 AM	0	0	0	8					0	0	27	0	0	0	24	0	59	220	1		0	0
7:45 AM	0	0	0	5					0	0	20	0	0	0	22	0	47	206	0		0	0
8:00 AM	0	0	0	7					0	3	22	0	0	0	24	0	56	201	0		0	0
8:15 AM	0	1	0	5					0	1	27	0	0	0	24	0	58		0		0	0
8:30 AM	0	2	0	0					1	2	23	0	0	0	16	1	45		1		0	0
8:45 AM	0	0	0	2					0	1	17	0	0	0	22	0	42		0		0	0

Peak Rolling Hour Flow Rates

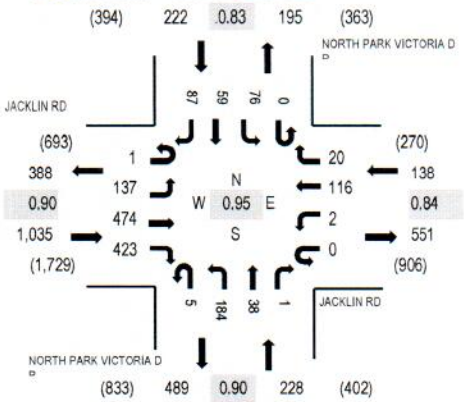
Vehicle Type	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total
Articulated Trucks	0	0	0	0					0	0	0	0	0	0	0	0	0
Bicycles on Road	0	0	0	0					0	0	0	0	0	0	0	0	0
Lights	0	1	0	25					0	4	95	0	0	0	93	0	218
Mediums	0	0	0	0					0	0	1	0	0	0	1	0	2
Total	0	1	0	25					0	4	96	0	0	0	94	0	220

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

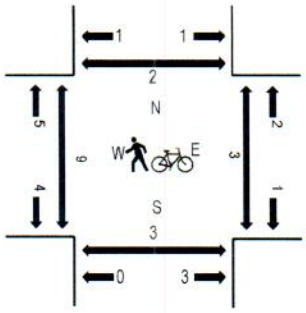
Location: 1 NORTH PARK VICTORIA DR & JACKLIN RD PM
Date: Tuesday, April 23, 2019
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	JACKLIN RD Eastbound				JACKLIN RD Westbound				NORTH PARK VICTORIA DR Northbound				NORTH PARK VICTORIA DR Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	32	57	69	0	1	30	5	1	34	9	1	0	17	10	17	283	1,172	0	0	0	0
4:15 PM	0	26	60	67	0	1	21	7	3	29	11	1	0	17	13	13	269	1,275	0	1	0	1
4:30 PM	0	32	75	73	0	0	27	4	1	36	6	1	0	11	10	19	295	1,405	0	0	0	0
4:45 PM	0	30	93	80	0	3	29	4	0	39	2	0	0	22	12	11	325	1,536	0	0	0	0
5:00 PM	0	35	109	98	0	1	25	5	2	38	8	1	0	28	16	20	386	1,623	0	2	1	2
5:15 PM	0	38	121	105	0	0	26	4	1	49	4	0	0	16	11	24	399		1	0	0	0
5:30 PM	0	32	132	123	0	1	32	3	0	53	10	0	0	14	14	12	426		5	1	0	0
5:45 PM	1	32	112	97	0	0	33	8	2	44	16	0	0	18	18	31	412		2	0	0	0

Peak Rolling Hour Flow Rates

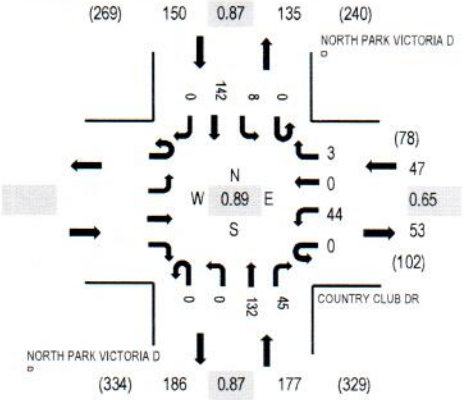
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	1	137	472	420	0	2	115	20	5	182	37	1	0	76	59	85	1,612
Mediums	0	0	2	3	0	0	1	0	0	2	1	0	0	0	0	1	10
Total	1	137	474	423	0	2	116	20	5	184	38	1	0	76	59	87	1,623

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

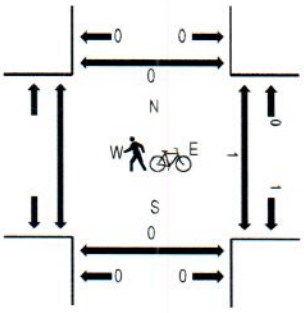
Location: 2 NORTH PARK VICTORIA DR & COUNTRY CLUB DR PM
Date: Tuesday, April 23, 2019
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:45 PM - 06:00 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	COUNTRY CLUB DR Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	NORTH PARK VICTORIA DR Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	NORTH PARK VICTORIA DR Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total	Rolling Hour	Pedestrian Crossings West	East	South	North
4:00 PM					0	6	0	0	0	0	28	13	0	1	30	0	78	302		0	0	0
4:15 PM					0	10	0	1	0	0	30	9	0	0	30	0	80	317		1	0	1
4:30 PM					0	3	0	0	0	0	27	13	0	0	29	0	72	334		1	0	0
4:45 PM					0	11	0	0	0	0	19	13	0	0	29	0	72	341		0	0	0
5:00 PM					0	16	0	0	0	0	29	13	0	0	35	0	93	374		0	0	0
5:15 PM					0	8	0	2	0	0	31	13	0	3	40	0	97			0	0	0
5:30 PM					0	3	0	0	0	0	29	11	0	3	33	0	79			0	0	0
5:45 PM					0	17	0	1	0	0	43	8	0	2	34	0	105			1	0	0

Peak Rolling Hour Flow Rates

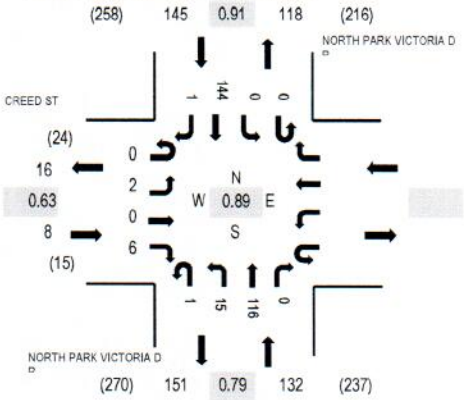
Vehicle Type	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total
Articulated Trucks					0	1	0	0	0	0	0	1	0	0	0	0	2
Bicycles on Road					0	0	0	0	0	0	0	0	0	0	0	0	0
Lights					0	42	0	3	0	0	131	43	0	8	142	0	369
Mediums					0	1	0	0	0	0	1	1	0	0	0	0	3
Total					0	44	0	3	0	0	132	45	0	8	142	0	374

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

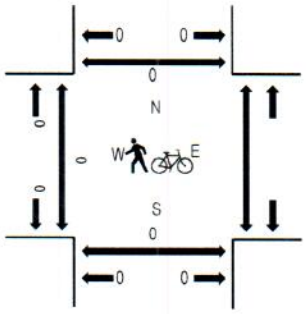
Location: 3 NORTH PARK VICTORIA DR & CREED ST PM
Date: Tuesday, April 23, 2019
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:45 PM - 06:00 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	CREED ST Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	NORTH PARK VICTORIA DR Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	NORTH PARK VICTORIA DR Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total	Rolling Hour	Pedestrian Crossings West	East	South	North
4:00 PM	0	0	0	1					0	3	23	0	0	0	30	0	57	225	0		0	0
4:15 PM	0	0	0	1					0	1	31	0	0	0	28	1	62	232	0		0	0
4:30 PM	0	0	0	3					0	1	27	0	0	0	28	0	59	244	0		0	0
4:45 PM	0	0	0	2					0	2	17	0	0	0	26	0	47	252	0		0	0
5:00 PM	0	0	0	1					0	2	27	0	0	0	34	0	64	285	0		0	0
5:15 PM	0	1	0	3					0	4	26	0	0	0	40	0	74		0		0	0
5:30 PM	0	0	0	1					0	3	28	0	0	0	35	0	67		0		0	0
5:45 PM	0	1	0	1					1	6	35	0	0	0	35	1	80		0		0	0

Peak Rolling Hour Flow Rates

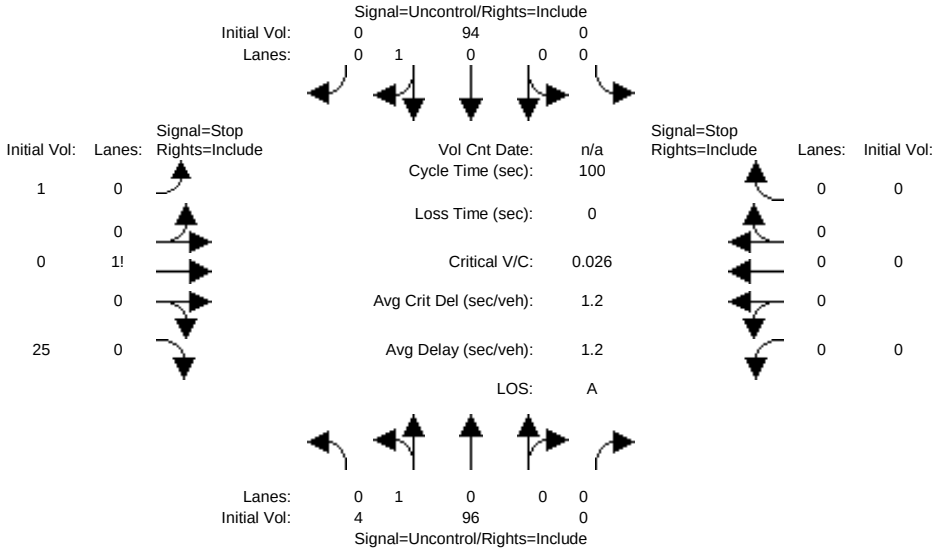
Vehicle Type	Eastbound U-Turn	Eastbound Left	Eastbound Thru	Eastbound Right	Westbound U-Turn	Westbound Left	Westbound Thru	Westbound Right	Northbound U-Turn	Northbound Left	Northbound Thru	Northbound Right	Southbound U-Turn	Southbound Left	Southbound Thru	Southbound Right	Total
Articulated Trucks	0	0	0	0					0	0	0	0	0	0	0	0	0
Bicycles on Road	0	0	0	0					0	0	0	0	0	0	0	0	0
Lights	0	1	0	6					1	15	115	0	0	0	144	1	283
Mediums	0	1	0	0					0	0	1	0	0	0	0	0	2
Total	0	2	0	6					1	15	116	0	0	0	144	1	285

Appendix B

Intersection Level of Service Calculations

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       4   96     0     0   94     0     1    0    25     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    4   96     0     0   94     0     1    0    25     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     4   96     0     0   94     0     1    0    25     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    4   96     0     0   94     0     1    0    25     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   95 xxxx xxxxx  xxxx xxxx xxxxx   199  199    95  xxxx xxxx xxxxx
Potent Cap.: 1512 xxxx xxxxx  xxxx xxxx xxxxx   794  700   967  xxxx xxxx xxxxx
Move Cap.:   1510 xxxx xxxxx  xxxx xxxx xxxxx   792  698   966  xxxx xxxx xxxxx
Volume/Cap:  0.00 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.03  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  958 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  8.9 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              8.9           xxxxxx
ApproachLOS:         *                *               A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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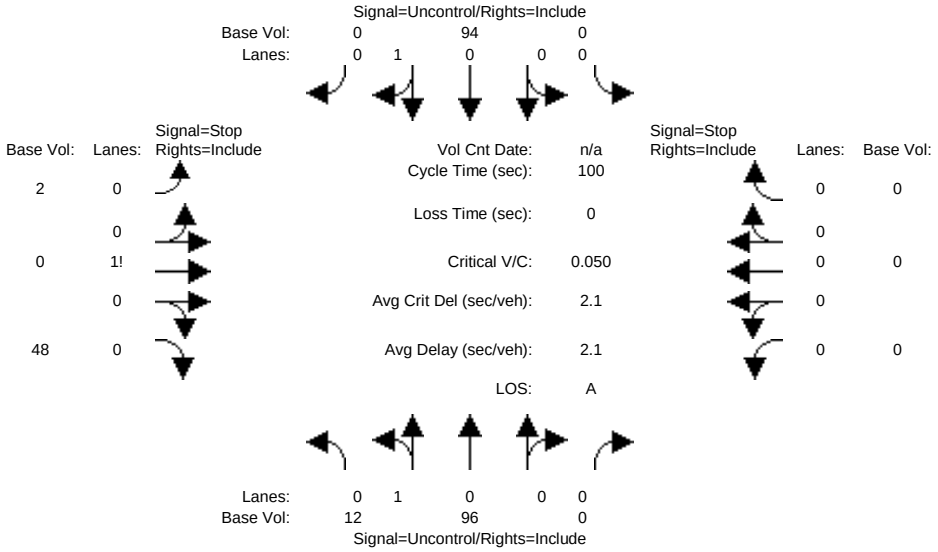
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      12   96     0     0   94     0     2    0    48     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   12   96     0     0   94     0     2    0    48     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    12   96     0     0   94     0     2    0    48     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   12   96     0     0   94     0     2    0    48     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   95 xxxx xxxxx  xxxx xxxx xxxxx   215  215    95  xxxx xxxx xxxxx
Potent Cap.: 1512 xxxx xxxxx  xxxx xxxx xxxxx   778  686   967  xxxx xxxx xxxxx
Move Cap.:   1510 xxxx xxxxx  xxxx xxxx xxxxx   772  680   966  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.05  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  957 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.0 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.0           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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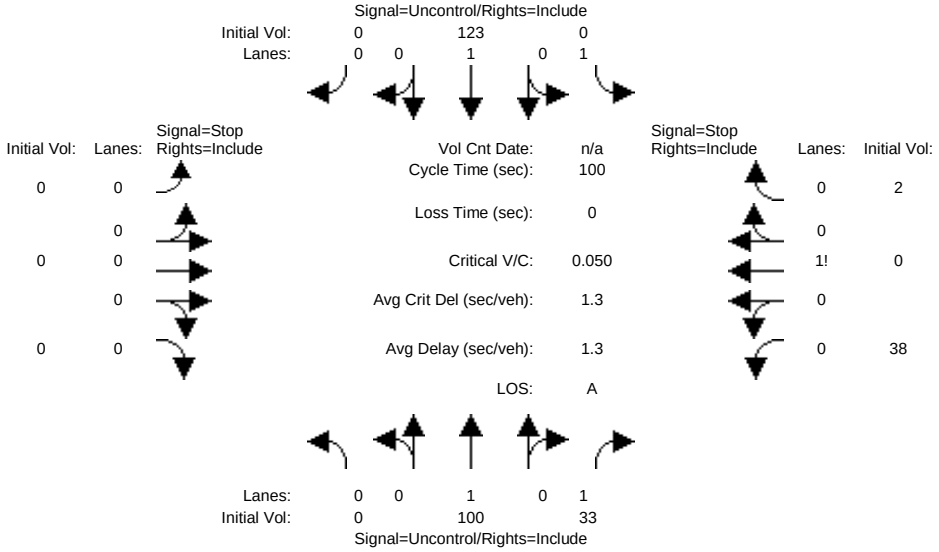
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  100    33     0  123     0     0    0     0    38    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  100    33     0  123     0     0    0     0    38    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  100    33     0  123     0     0    0     0    38    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  100    33     0  123     0     0    0     0    38    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   231  230   108
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   762  673   951
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   757  669   945
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.05 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  764 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.0 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    A     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.0
ApproachLOS:         *                *                *                A
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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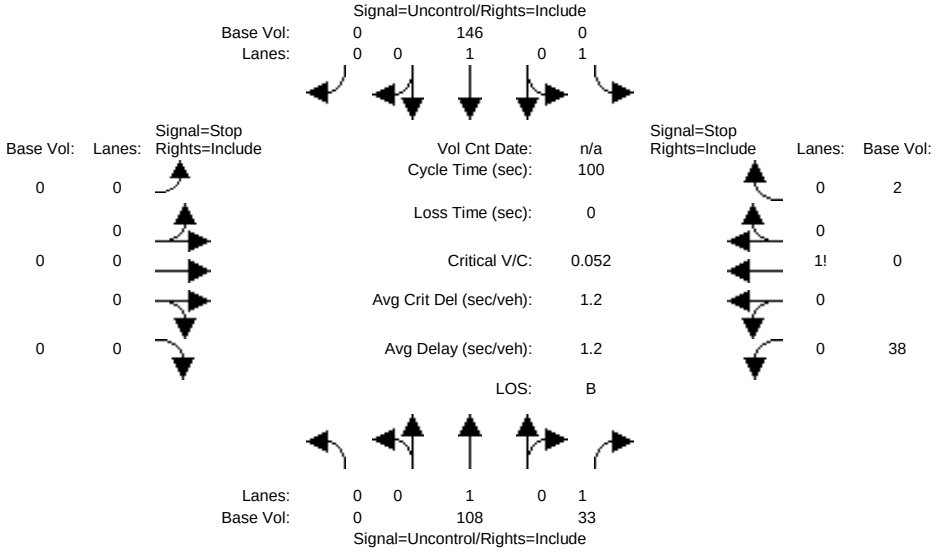
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  108    33     0  146     0     0    0     0    38    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  108    33     0  146     0     0    0     0    38    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  108    33     0  146     0     0    0     0    38    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  108    33     0  146     0     0    0     0    38    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   262  261   116
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   731  647   942
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   726  643   935
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.05 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  735 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.2 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.2
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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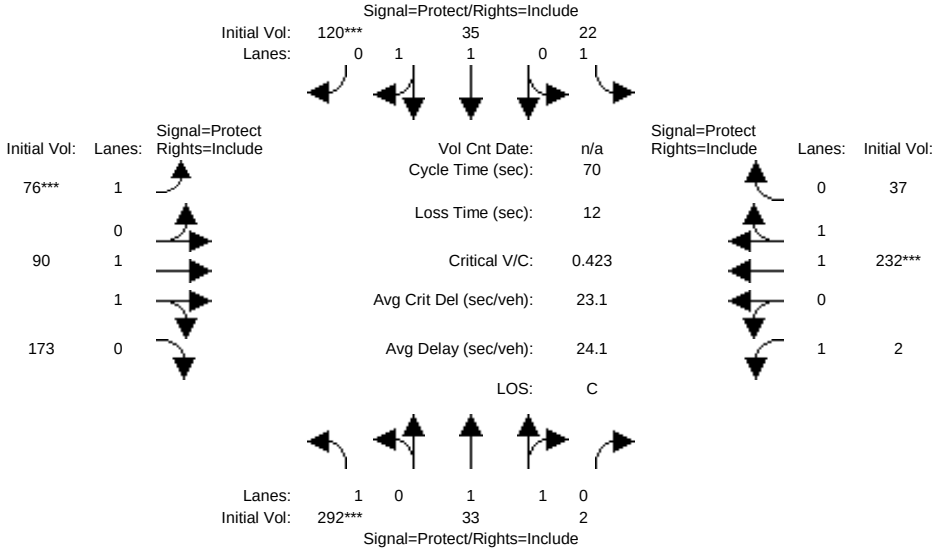
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	292	33	2	22	35	120	76	90	173	2	232	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	292	33	2	22	35	120	76	90	173	2	232	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	292	33	2	22	35	120	76	90	173	2	232	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	292	33	2	22	35	120	76	90	173	2	232	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	292	33	2	22	35	120	76	90	173	2	232	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3565	216	1750	1900	1750	1750	1900	1750	1750	3239	517
Capacity Analysis Module:												
Vol/Sat:	0.17	0.01	0.01	0.01	0.02	0.07	0.04	0.05	0.10	0.00	0.07	0.07
Crit Moves:	****					****	****				****	
Green Time:	27.6	22.9	22.9	16.0	11.3	11.3	7.2	11.2	11.2	7.8	11.9	11.9
Volume/Cap:	0.42	0.03	0.03	0.05	0.11	0.42	0.42	0.30	0.62	0.01	0.42	0.42
Delay/Veh:	15.8	16.0	16.0	21.1	25.1	27.2	31.1	26.1	30.2	27.7	26.5	26.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	15.8	16.0	16.0	21.1	25.1	27.2	31.1	26.1	30.2	27.7	26.5	26.5
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	10	1	1	1	1	6	4	4	10	0	6	6

Note: Queue reported is the number of cars per lane.

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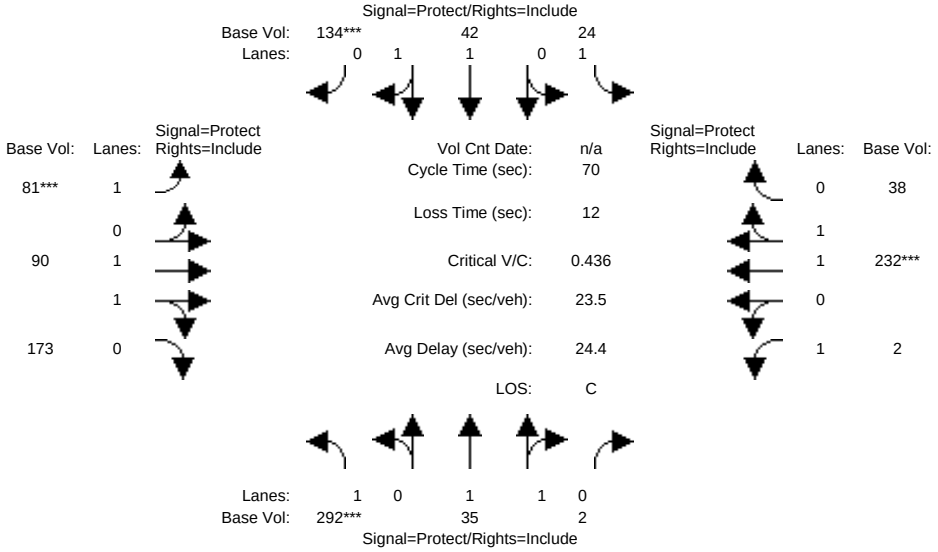
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	292	35	2	24	42	134	81	90	173	2	232	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	292	35	2	24	42	134	81	90	173	2	232	38
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	292	35	2	24	42	134	81	90	173	2	232	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	292	35	2	24	42	134	81	90	173	2	232	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	292	35	2	24	42	134	81	90	173	2	232	38
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3578	204	1750	1900	1750	1750	1900	1750	1750	3226	528
Capacity Analysis Module:												
Vol/Sat:	0.17	0.01	0.01	0.01	0.02	0.08	0.05	0.05	0.10	0.00	0.07	0.07
Crit Moves:	****					****	****				****	
Green Time:	26.8	23.0	23.0	16.1	12.3	12.3	7.4	11.2	11.2	7.8	11.5	11.5
Volume/Cap:	0.44	0.03	0.03	0.06	0.13	0.44	0.44	0.30	0.62	0.01	0.44	0.44
Delay/Veh:	16.5	16.0	16.0	21.1	24.4	26.5	31.0	26.2	30.3	27.7	26.8	26.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.5	16.0	16.0	21.1	24.4	26.5	31.0	26.2	30.3	27.7	26.8	26.8
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	10	1	1	1	2	7	5	4	10	0	6	6

Note: Queue reported is the number of cars per lane.

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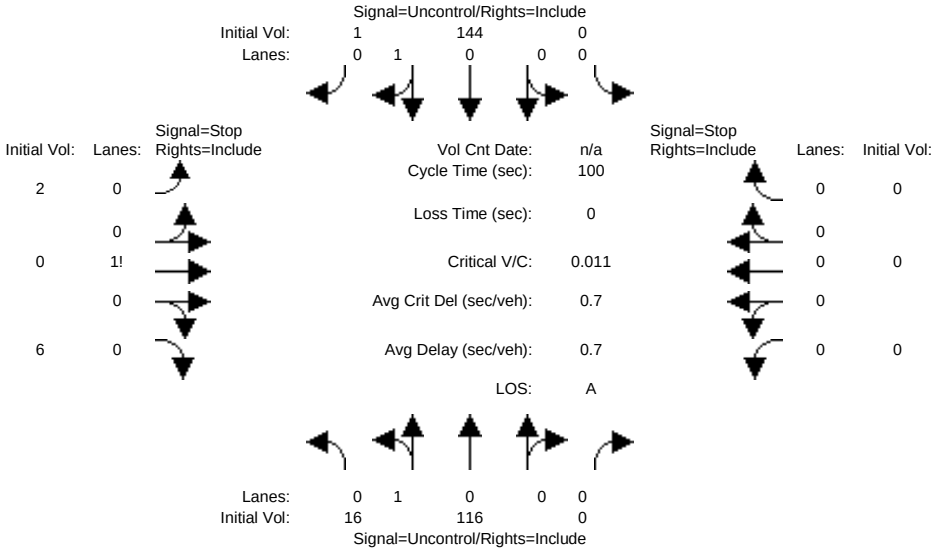
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      16  116     0     0  144     1     2    0     6     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   16  116     0     0  144     1     2    0     6     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    16  116     0     0  144     1     2    0     6     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   16  116     0     0  144     1     2    0     6     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  145 xxxx xxxxx  xxxx xxxx xxxxx   293  293   145  xxxx xxxx xxxxx
Potent Cap.: 1450 xxxx xxxxx  xxxx xxxx xxxxx   703  622   908  xxxx xxxx xxxxx
Move Cap.:   1450 xxxx xxxxx  xxxx xxxx xxxxx   697  615   908  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.01  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  844 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.0 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.3 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.3           xxxxxx
ApproachLOS:         *                *               A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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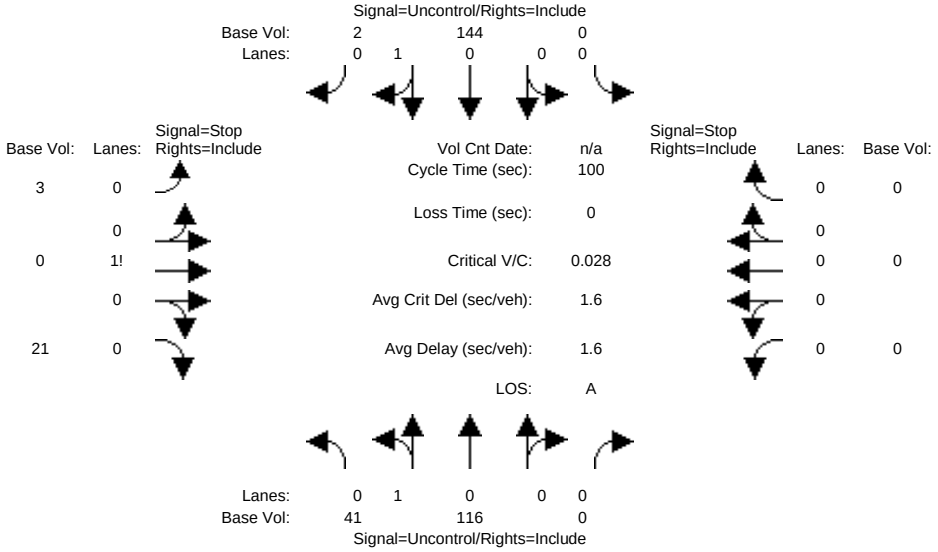
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      41  116     0     0  144     2     3    0    21     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   41  116     0     0  144     2     3    0    21     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    41  116     0     0  144     2     3    0    21     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   41  116     0     0  144     2     3    0    21     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  146 xxxx xxxxx  xxxx xxxx xxxxx   343  343   145  xxxx xxxx xxxxx
Potent Cap.: 1448 xxxx xxxxx  xxxx xxxx xxxxx   657  583   908  xxxx xxxx xxxxx
Move Cap.:   1448 xxxx xxxxx  xxxx xxxx xxxxx   643  566   908  xxxx xxxx xxxxx
Volume/Cap:  0.03 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.02  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  863 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.3 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.3           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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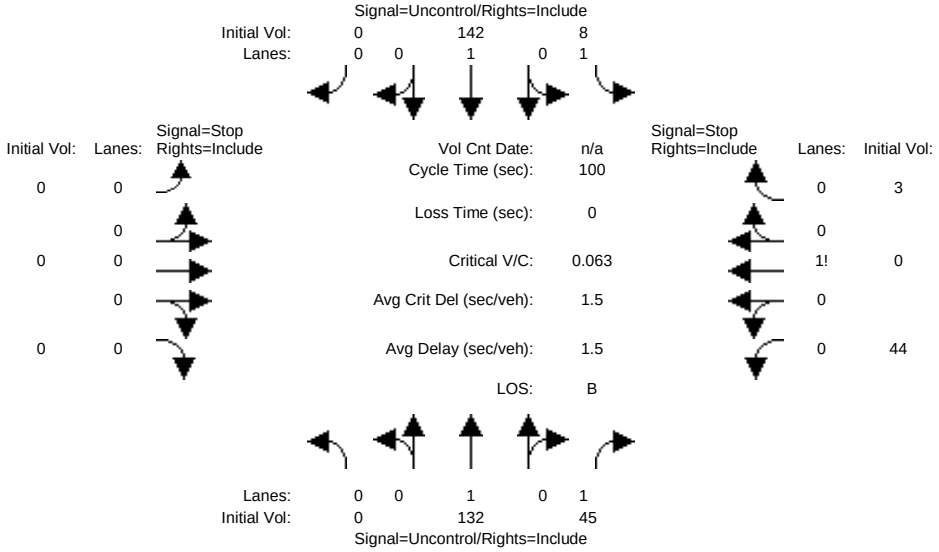
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  132    45     8  142     0     0    0     0    44    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  132    45     8  142     0     0    0     0    44    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  132    45     8  142     0     0    0     0    44    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  132    45     8  142     0     0    0     0    44    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   178 xxxx xxxxx  xxxx xxxx xxxxx   291  291   133
Potent Cap.: xxxx xxxx xxxxx  1410 xxxx xxxxx  xxxx xxxx xxxxx   704  623   922
Move Cap.:   xxxx xxxx xxxxx  1409 xxxx xxxxx  xxxx xxxx xxxxx   700  619   921
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.06 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  711 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.4 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.4
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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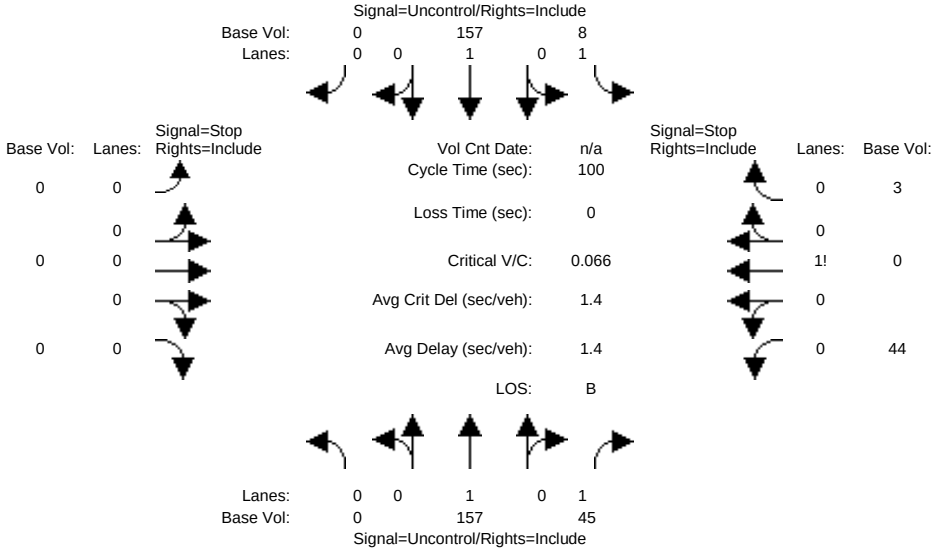
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Existing + Project PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  157    45     8  157     0     0    0     0    44    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  157    45     8  157     0     0    0     0    44    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  157    45     8  157     0     0    0     0    44    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  157    45     8  157     0     0    0     0    44    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   203 xxxx xxxxx  xxxx xxxx xxxxx   331  331   158
Potent Cap.: xxxx xxxx xxxxx  1381 xxxx xxxxx  xxxx xxxx xxxxx   668  592   893
Move Cap.:   xxxx xxxx xxxxx  1380 xxxx xxxxx  xxxx xxxx xxxxx   664  588   892
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.07 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  675 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.7 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.7
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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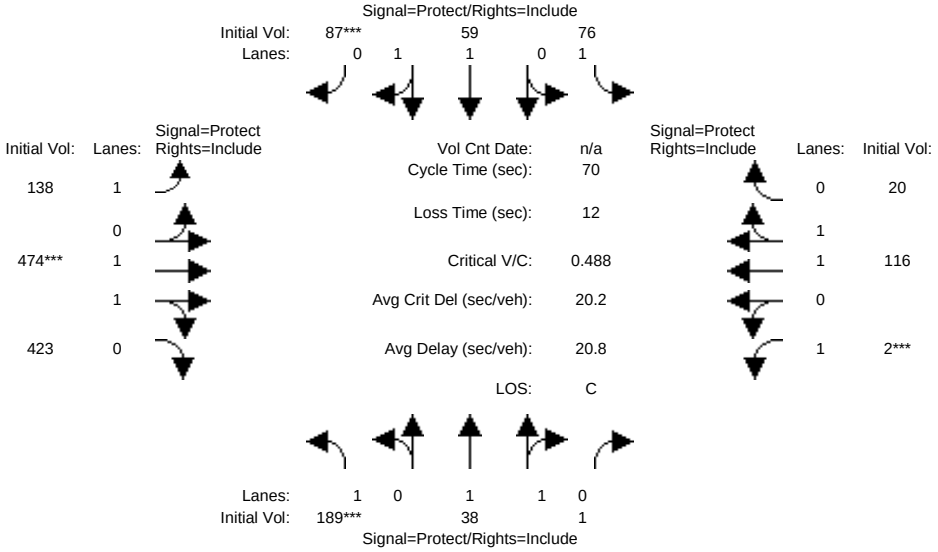
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	189	38	1	76	59	87	138	474	423	2	116	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	189	38	1	76	59	87	138	474	423	2	116	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	189	38	1	76	59	87	138	474	423	2	116	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	189	38	1	76	59	87	138	474	423	2	116	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	189	38	1	76	59	87	138	474	423	2	116	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.94	0.06	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.68	0.32
Final Sat.:	1750	3694	97	1750	1900	1750	1750	1930	1722	1750	3201	552
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.04	0.03	0.05	0.08	0.25	0.25	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.60	0.05	0.05	0.33	0.22	0.35	0.38	0.60	0.60	0.01	0.12	0.12
Delay/Veh:	29.8	23.3	23.3	28.4	26.7	27.6	24.4	17.0	17.0	28.4	17.9	17.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	29.8	23.3	23.3	28.4	26.7	27.6	24.4	17.0	17.0	28.4	17.9	17.9
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	10	1	1	4	3	4	6	16	16	0	2	2

Note: Queue reported is the number of cars per lane.

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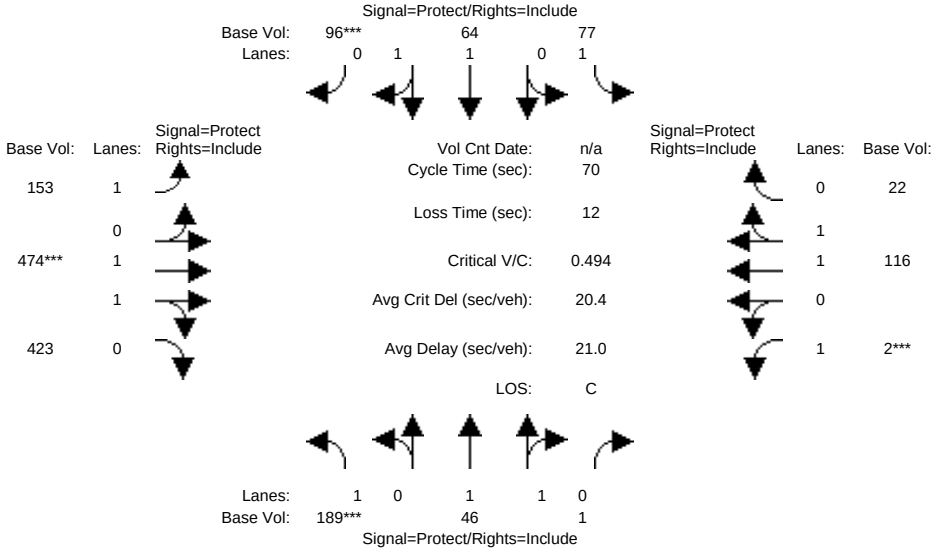
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing + Project PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	189	46	1	77	64	96	153	474	423	2	116	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	189	46	1	77	64	96	153	474	423	2	116	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	189	46	1	77	64	96	153	474	423	2	116	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	189	46	1	77	64	96	153	474	423	2	116	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	189	46	1	77	64	96	153	474	423	2	116	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.95	0.05	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.66	0.34
Final Sat.:	1750	3712	81	1750	1900	1750	1750	1930	1722	1750	3151	598
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.04	0.03	0.05	0.09	0.25	0.25	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.60	0.07	0.07	0.33	0.24	0.38	0.42	0.60	0.60	0.01	0.12	0.12
Delay/Veh:	29.8	23.3	23.3	28.4	26.8	27.8	24.8	17.0	17.0	28.4	18.0	18.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	29.8	23.3	23.3	28.4	26.8	27.8	24.8	17.0	17.0	28.4	18.0	18.0
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	10	1	1	4	3	5	7	16	16	0	2	2

Note: Queue reported is the number of cars per lane.

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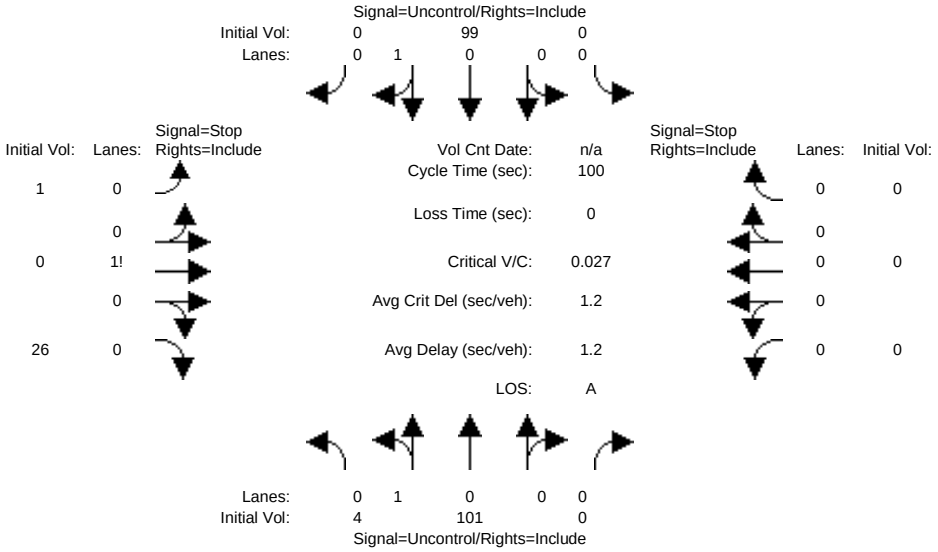
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       4  101     0     0   99     0     1    0    26     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    4  101     0     0   99     0     1    0    26     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     4  101     0     0   99     0     1    0    26     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    4  101     0     0   99     0     1    0    26     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  100 xxxx xxxxx  xxxx xxxx xxxxx   209  209   100  xxxx xxxx xxxxx
Potent Cap.: 1505 xxxx xxxxx  xxxx xxxx xxxxx   784  692   961  xxxx xxxx xxxxx
Move Cap.:   1504 xxxx xxxxx  xxxx xxxx xxxxx   782  689   960  xxxx xxxx xxxxx
Volume/Cap:  0.00 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.03  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  952 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  8.9 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              8.9           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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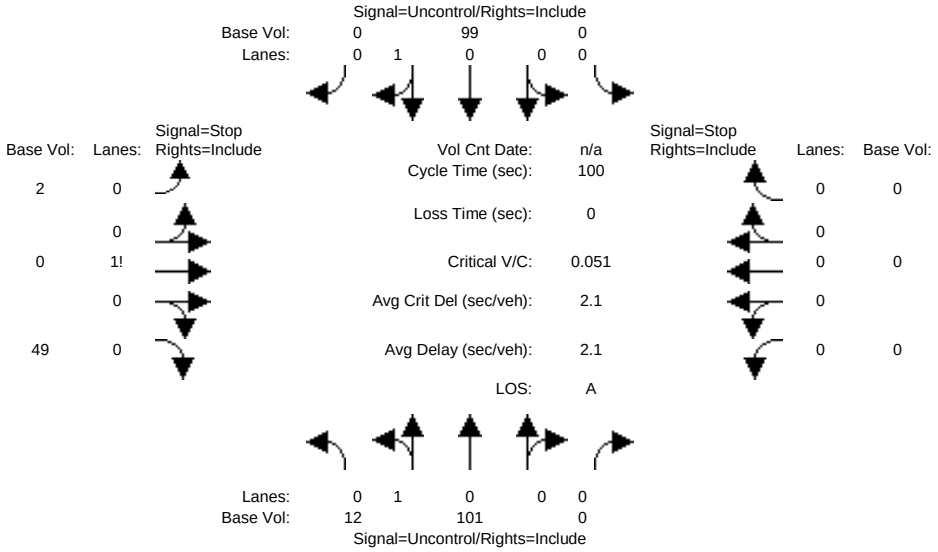
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project AM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      12  101     0     0   99     0     2    0    49     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   12  101     0     0   99     0     2    0    49     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    12  101     0     0   99     0     2    0    49     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   12  101     0     0   99     0     2    0    49     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  100 xxxx xxxxx  xxxx xxxx xxxxx   225  225   100  xxxx xxxx xxxxx
Potent Cap.: 1505 xxxx xxxxx  xxxx xxxx xxxxx   768  678   961  xxxx xxxx xxxxx
Move Cap.:   1504 xxxx xxxxx  xxxx xxxx xxxxx   762  672   960  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.05  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  951 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.0 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.0           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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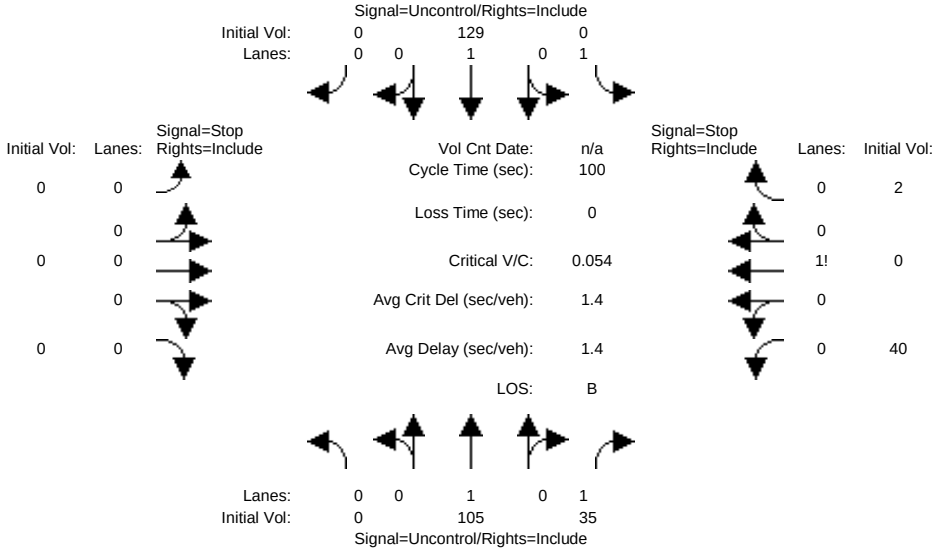
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  105    35     0  129     0     0    0     0    40    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  105    35     0  129     0     0    0     0    40    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  105    35     0  129     0     0    0     0    40    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  105    35     0  129     0     0    0     0    40    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   242  241   113
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   751  664   945
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   746  660   939
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.05 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  753 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.1 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.1
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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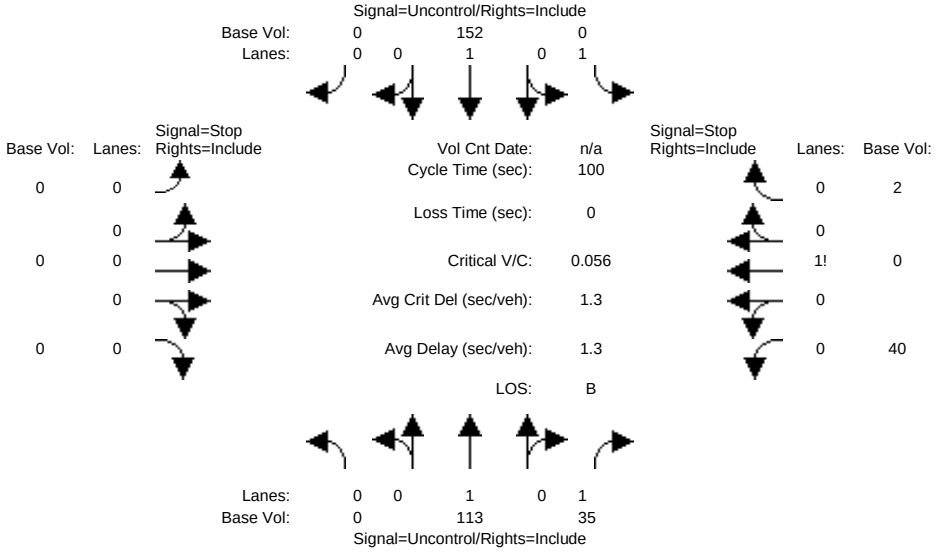
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project AM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  113    35     0  152     0     0    0     0    40    0     2
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  113    35     0  152     0     0    0     0    40    0     2
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  113    35     0  152     0     0    0     0    40    0     2
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  113    35     0  152     0     0    0     0    40    0     2
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   273  272   121
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   721  638   936
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   716  634   929
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.06 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  724 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.3 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.3
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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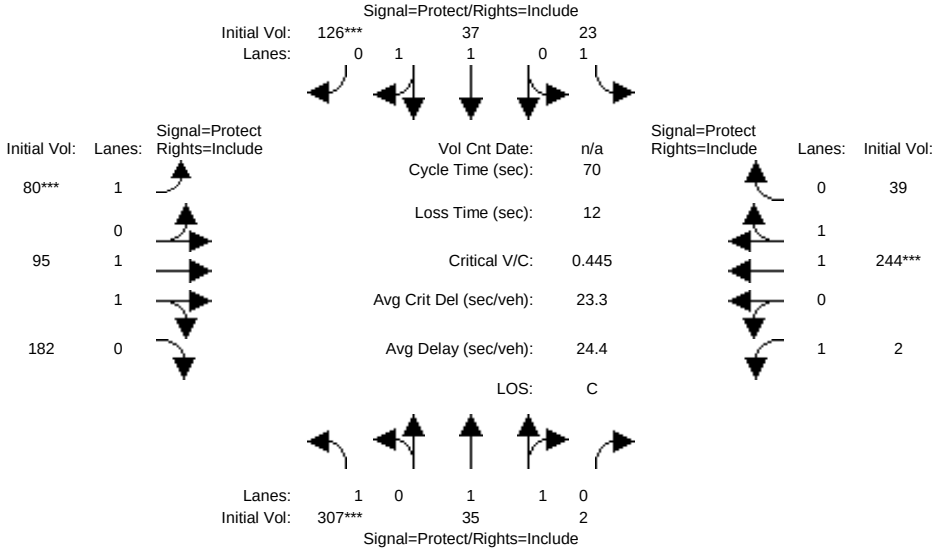
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	307	35	2	23	37	126	80	95	182	2	244	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	35	2	23	37	126	80	95	182	2	244	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	307	35	2	23	37	126	80	95	182	2	244	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	307	35	2	23	37	126	80	95	182	2	244	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	307	35	2	23	37	126	80	95	182	2	244	39
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3578	204	1750	1900	1750	1750	1900	1750	1750	3238	518
Capacity Analysis Module:												
Vol/Sat:	0.18	0.01	0.01	0.01	0.02	0.07	0.05	0.05	0.10	0.00	0.08	0.08
Crit Moves:	****					****	****				****	
Green Time:	27.6	22.9	22.9	16.0	11.3	11.3	7.2	11.2	11.2	7.8	11.9	11.9
Volume/Cap:	0.44	0.03	0.03	0.06	0.12	0.44	0.44	0.31	0.65	0.01	0.44	0.44
Delay/Veh:	16.0	16.0	16.0	21.1	25.1	27.4	31.3	26.2	31.1	27.6	26.6	26.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.0	16.0	16.0	21.1	25.1	27.4	31.3	26.2	31.1	27.6	26.6	26.6
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	11	1	1	1	2	6	5	4	10	0	7	7

Note: Queue reported is the number of cars per lane.

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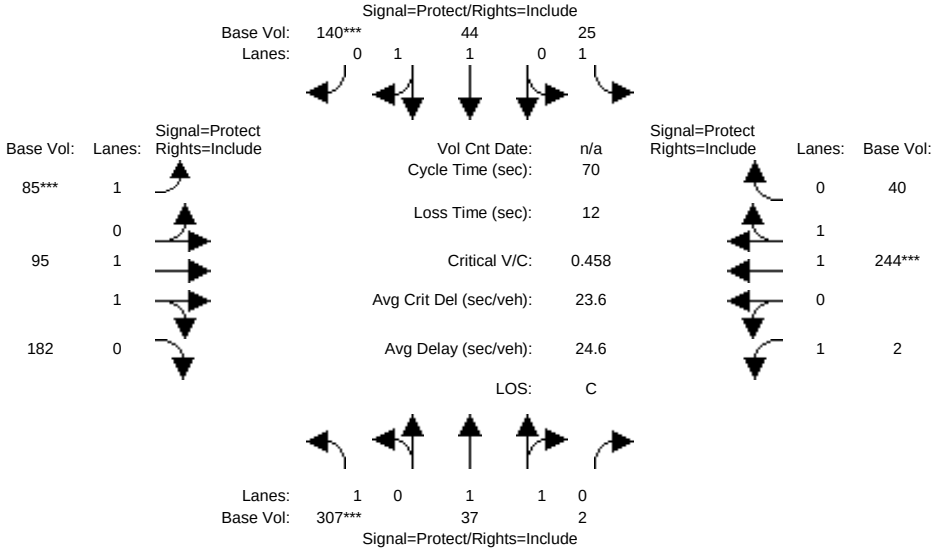
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative + Project AM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	307	37	2	25	44	140	85	95	182	2	244	40
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	37	2	25	44	140	85	95	182	2	244	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	307	37	2	25	44	140	85	95	182	2	244	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	307	37	2	25	44	140	85	95	182	2	244	40
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	307	37	2	25	44	140	85	95	182	2	244	40
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.89	0.11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.70	0.30
Final Sat.:	1750	3589	194	1750	1900	1750	1750	1900	1750	1750	3226	529
Capacity Analysis Module:												
Vol/Sat:	0.18	0.01	0.01	0.01	0.02	0.08	0.05	0.05	0.10	0.00	0.08	0.08
Crit Moves:	****					****	****				****	
Green Time:	26.8	23.0	23.0	16.1	12.2	12.2	7.4	11.2	11.2	7.8	11.6	11.6
Volume/Cap:	0.46	0.03	0.03	0.06	0.13	0.46	0.46	0.31	0.65	0.01	0.46	0.46
Delay/Veh:	16.7	16.0	16.0	21.1	24.5	26.7	31.2	26.2	31.2	27.7	26.9	26.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.7	16.0	16.0	21.1	24.5	26.7	31.2	26.2	31.2	27.7	26.9	26.9
LOS by Move:	B	B	B	C	C	C	C	C	C	C	C	C
HCM2k95thQ:	11	1	1	1	2	7	5	4	10	0	7	7

Note: Queue reported is the number of cars per lane.

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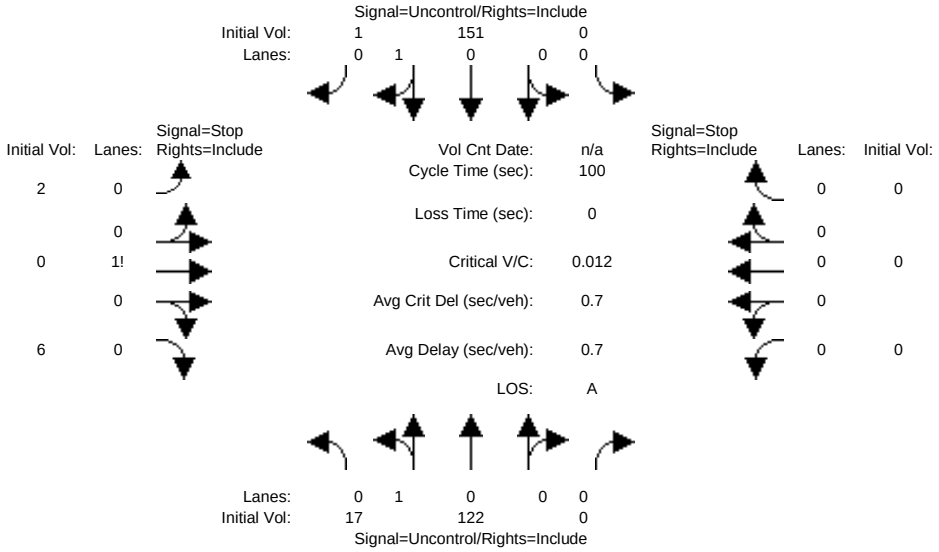
Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      17  122     0     0  151     1     2    0     6     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   17  122     0     0  151     1     2    0     6     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    17  122     0     0  151     1     2    0     6     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   17  122     0     0  151     1     2    0     6     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  152 xxxx xxxxx  xxxx xxxx xxxxx   308  308   152  xxxx xxxx xxxxx
Potent Cap.: 1441 xxxx xxxxx  xxxx xxxx xxxxx   689  610   900  xxxx xxxx xxxxx
Move Cap.:   1441 xxxx xxxxx  xxxx xxxx xxxxx   683  603   900  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.01  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  834 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.0 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.4 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.4           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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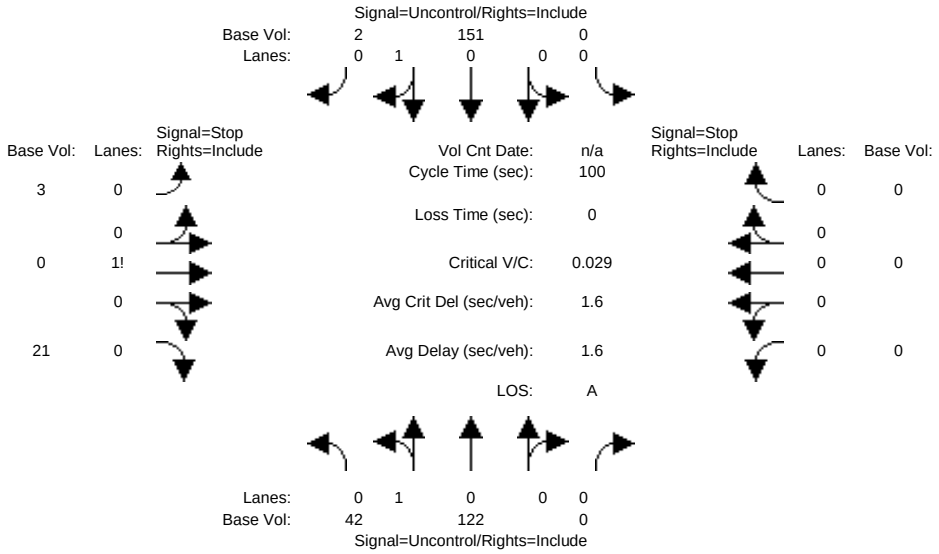
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project PM

Intersection #1: North Park Victoria Drive & Creed Street




```
Street Name:    North Park Victoria Drive                Creed Street
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      42  122     0     0  151     2     3    0    21     0    0     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   42  122     0     0  151     2     3    0    21     0    0     0
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    42  122     0     0  151     2     3    0    21     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   42  122     0     0  151     2     3    0    21     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx
FollowUpTim:  2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  153 xxxx xxxxx  xxxx xxxx xxxxx   358  358   152  xxxx xxxx xxxxx
Potent Cap.: 1440 xxxx xxxxx  xxxx xxxx xxxxx   644  572   900  xxxx xxxx xxxxx
Move Cap.:   1440 xxxx xxxxx  xxxx xxxx xxxxx   630  554   900  xxxx xxxx xxxxx
Volume/Cap:  0.03 xxxx  xxxx  xxxx xxxx  xxxx  0.00 0.00  0.02  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  854 xxxxx  xxxx xxxx xxxxx
SharedQueue:  0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx xxxx xxxxx
Shrd ConDel:  7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.3 xxxxx xxxxx xxxx xxxxx
Shared LOS:     A    *     *     *    *     *     *    A     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx              9.3           xxxxxx
ApproachLOS:         *                *                A                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #1 North Park Victoria Drive & Creed Street
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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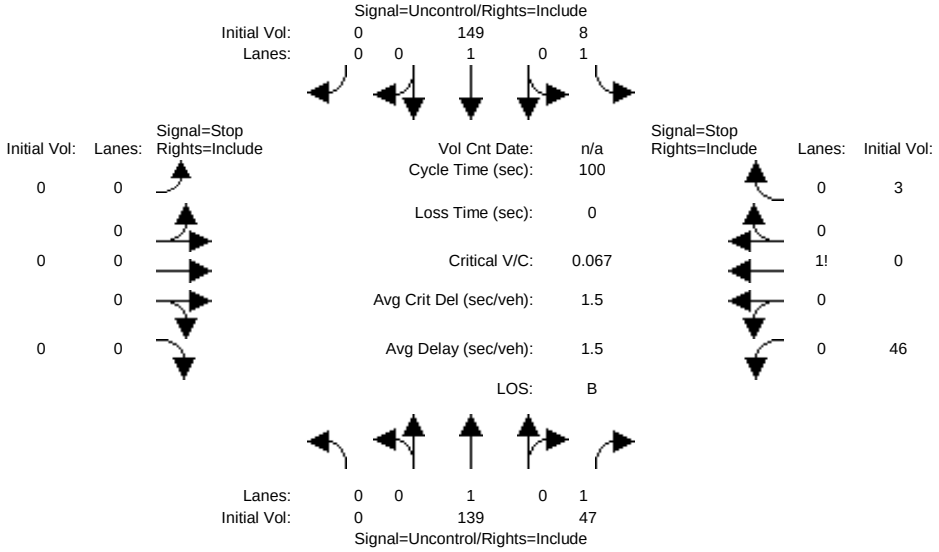
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  139    47     8  149     0     0    0     0    46    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  139    47     8  149     0     0    0     0    46    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  139    47     8  149     0     0    0     0    46    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  139    47     8  149     0     0    0     0    46    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   187 xxxx xxxxx  xxxx xxxx xxxxx   305  305   140
Potent Cap.: xxxx xxxx xxxxx  1399 xxxx xxxxx  xxxx xxxx xxxxx   691  612   913
Move Cap.:   xxxx xxxx xxxxx  1398 xxxx xxxxx  xxxx xxxx xxxxx   688  608   913
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.07 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  698 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.5 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.5
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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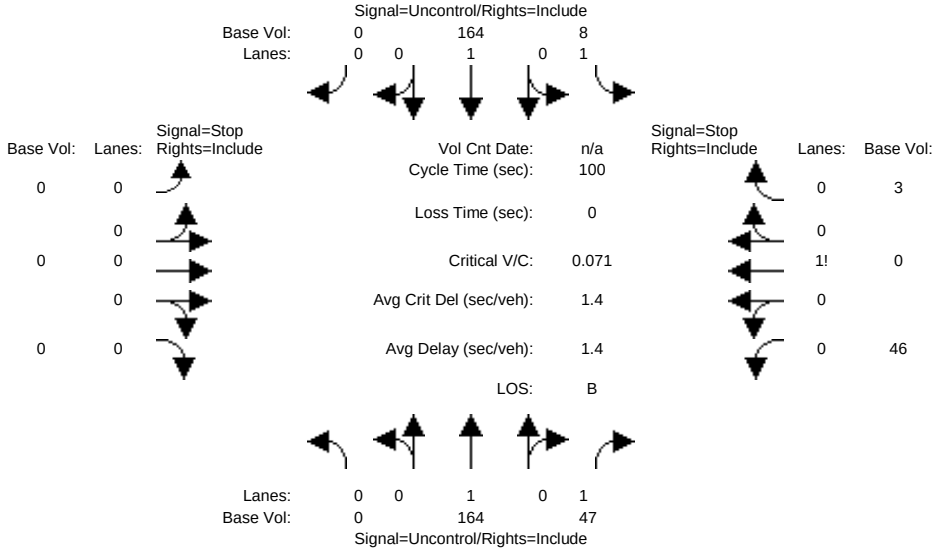
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Unsignalized (Base Volume Alternative)
Cumulative + Project PM

Intersection #2: North Park Victoria Drive & Country Club Drive




```
Street Name:    North Park Victoria Drive            Country Club Drive
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0  164    47     8  164     0     0    0     0    46    0     3
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:    0  164    47     8  164     0     0    0     0    46    0     3
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:     0  164    47     8  164     0     0    0     0    46    0     3
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  164    47     8  164     0     0    0     0    46    0     3
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   212 xxxx xxxxx  xxxx xxxx xxxxx   345  345   165
Potent Cap.: xxxx xxxx xxxxx  1370 xxxx xxxxx  xxxx xxxx xxxxx   656  581   885
Move Cap.:   xxxx xxxx xxxxx  1369 xxxx xxxxx  xxxx xxxx xxxxx   652  577   884
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  xxxx  0.07 0.00  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  663 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.9 xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.9
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #2 North Park Victoria Drive & Country Club Drive
*******************************************************************************
Base Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
```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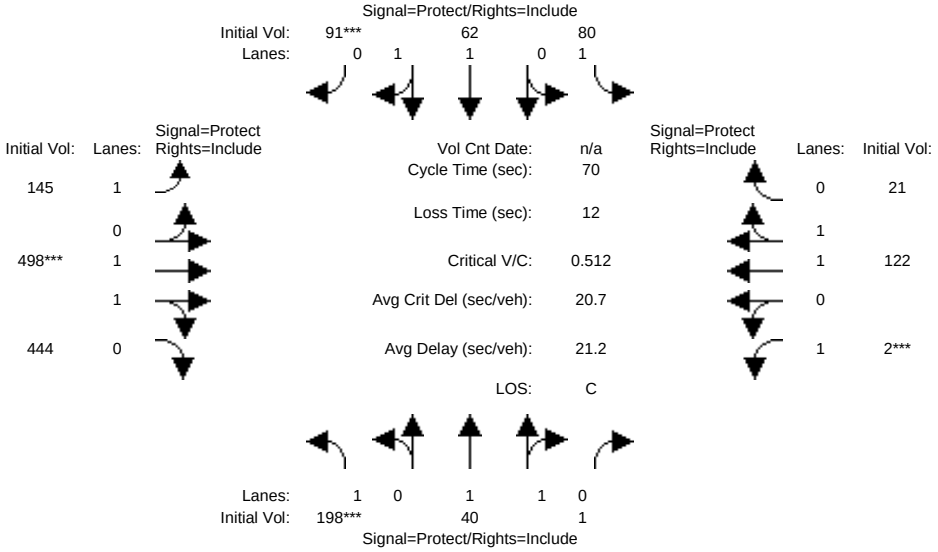
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	198	40	1	80	62	91	145	498	444	2	122	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	198	40	1	80	62	91	145	498	444	2	122	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	198	40	1	80	62	91	145	498	444	2	122	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	198	40	1	80	62	91	145	498	444	2	122	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	198	40	1	80	62	91	145	498	444	2	122	21
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.95	0.05	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.69	0.31
Final Sat.:	1750	3700	92	1750	1900	1750	1750	1931	1722	1750	3202	551
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.05	0.03	0.05	0.08	0.26	0.26	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.63	0.06	0.06	0.35	0.23	0.36	0.40	0.63	0.63	0.01	0.13	0.13
Delay/Veh:	30.8	23.3	23.3	28.5	26.8	27.7	24.6	17.5	17.5	28.4	18.0	18.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	30.8	23.3	23.3	28.5	26.8	27.7	24.6	17.5	17.5	28.4	18.0	18.0
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	11	1	1	4	3	5	7	17	17	0	2	2

Note: Queue reported is the number of cars per lane.

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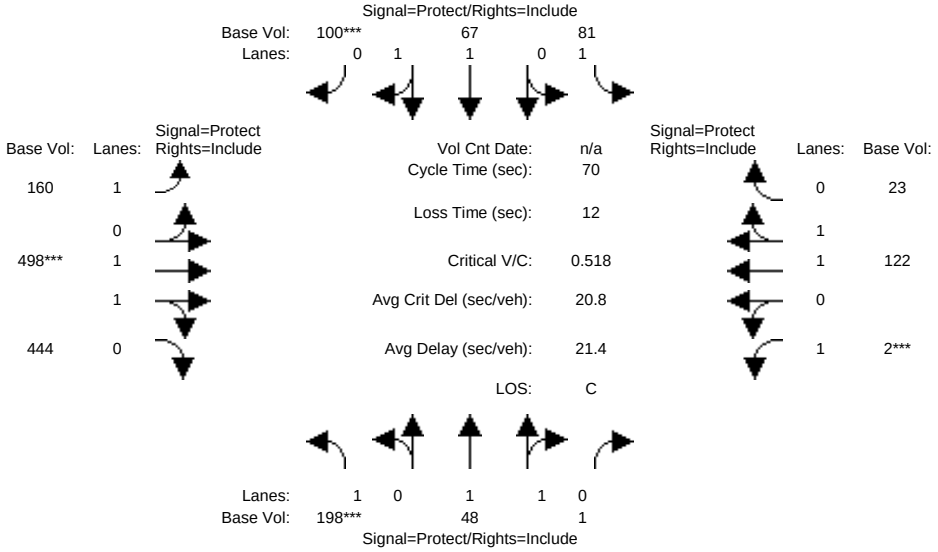
North Park Victoria Residential

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Cumulative + Project PM

Intersection #3: North Park Victoria Drive & Jacklin Road



Street Name:	North Park Victoria Drive						Jacklin Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	198	48	1	81	67	100	160	498	444	2	122	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	198	48	1	81	67	100	160	498	444	2	122	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	198	48	1	81	67	100	160	498	444	2	122	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	198	48	1	81	67	100	160	498	444	2	122	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	198	48	1	81	67	100	160	498	444	2	122	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.96	0.04	1.00	1.00	1.00	1.00	1.02	0.98	1.00	1.66	0.34
Final Sat.:	1750	3716	77	1750	1900	1750	1750	1931	1722	1750	3154	595
Capacity Analysis Module:												
Vol/Sat:	0.11	0.01	0.01	0.05	0.04	0.06	0.09	0.26	0.26	0.00	0.04	0.04
Crit Moves:	****					****		****		****		
Green Time:	12.5	13.2	13.2	9.3	10.0	10.0	14.6	28.5	28.5	7.0	20.9	20.9
Volume/Cap:	0.63	0.07	0.07	0.35	0.25	0.40	0.44	0.63	0.63	0.01	0.13	0.13
Delay/Veh:	30.8	23.4	23.4	28.5	26.8	27.9	25.0	17.5	17.5	28.4	18.0	18.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	30.8	23.4	23.4	28.5	26.8	27.9	25.0	17.5	17.5	28.4	18.0	18.0
LOS by Move:	C	C	C	C	C	C	C	B	B	C	B	B
HCM2k95thQ:	11	1	1	4	3	5	7	17	17	0	2	2

Note: Queue reported is the number of cars per lane.

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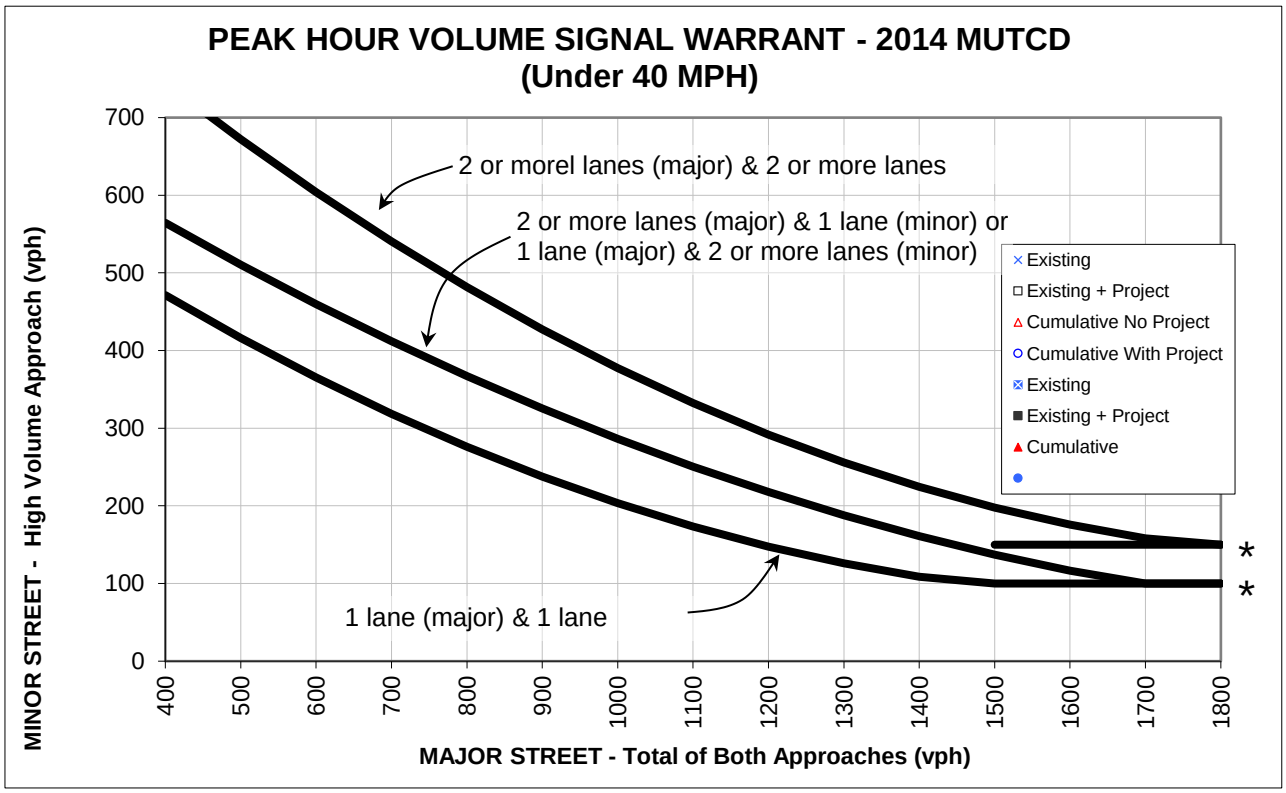
Appendix C

Traffic Signal Warrants

1 North Park Victoria Drive & Creed Street



***** NOTE: 150 vph applies as the lower threshold volume for a minor street approach with 2 or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with 1 lane.

Peak Hour Volume Warrant Per 2012 MUTCD- Under 40 MPH

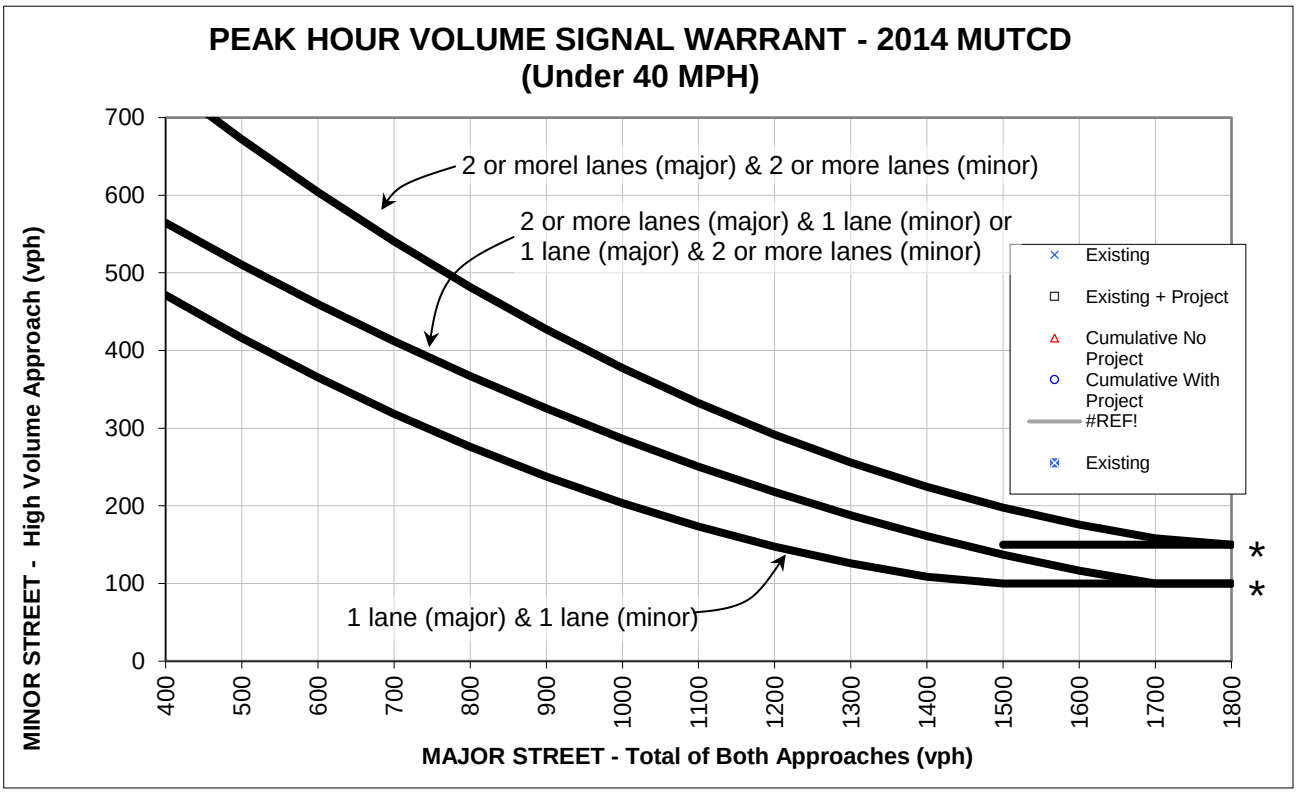
AM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		194	202	204	212
Minor Street - Highest Approach	Creed St	x		26	50	27	51
			Warrant Met?	N	N	N	N

PM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		277	303	291	317
Minor Street - Highest Approach	Creed St	x		8	24	8	24
			Warrant Met?	N	N	N	N

2 North Park Victoria Dr & Country Club Dr



***** NOTE: 150 vph applies as the lower threshold volume for a minor street approach with 2 or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with 1 lane.

Peak Hour Volume Warrant Per 2012 MUTCD- Under 40 MPH

AM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		256	287	269	300
Minor Street - Highest Approach	Country Club	x		40	40	42	42
			Warrant Met?	N	N	N	N

PM Peak Hour Volumes

		Approach Lanes				Cumulative	
		One	2 or More	Existing	Existing + Project	No Project	With Project
Major Street - Both Approaches	N Park Victoria	x		327	367	343	383
Minor Street - Highest Approach	Country Club	x		47	47	49	49
			Warrant Met?	N	N	N	N

DRAFT
MITIGATION MONITORING AND REPORTING PROGRAM

This Draft Mitigation Monitoring and Reporting Program (MMRP) is formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) prepared for the 1005 North Park Victoria Project (project). The MMRP, which is found in Table 1, lists mitigation measures recommended in the IS/MND prepared for the proposed project and identifies mitigation monitoring requirements. The Final MMRP must be adopted when the City of Milpitas (City) makes a final decision on the project.

This MMRP has been prepared to comply with the requirements of State law (Public Resources Code Section 21081.6). State law requires the Lead Agency to adopt an MMRP when mitigation measures are required to avoid significant impacts. The MMRP is intended to ensure compliance with the mitigation measures identified in the IS/MND during implementation of the project.

The MMRP is organized in a matrix format. The first two columns identify the potential impacts and corresponding mitigation measures. The third column, entitled Timeframe for Implementation, refers to when monitoring will occur to ensure that the mitigating action is completed. The fourth column, entitled Responsibility for Implementation, refers to the party responsible for implementing the mitigation measure. The fifth column, entitled, Oversight of Implementation, refers to the party responsible for oversight or ensuring that the mitigation measure is implemented.

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Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
4.1 Aesthetics				
The proposed project could create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area.	AES-1: Outdoor lighting shall be designed to minimize glare and spillover to surrounding properties. The project design and building materials shall incorporate non-mirrored glass to minimize daylight glare. All lighting elements shall comply with Sections XI-10-45.15-3 of the City's Zoning Ordinance and the proposed lighting plan shall be reviewed and approved by the City's Planning Division prior to issuance of a building permit.	Prior to issuance of a building permit	Project Applicant	City of Milpitas Planning Department
4.3 Air Quality				
The proposed project could violate air quality standards or contribute to an existing or projected air quality violation.	AIR-1: In order to meet the BAAQMD fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures shall be implemented: • All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. • All haul trucks transporting soil, sand, or other loose material off-site shall be covered. • All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • All vehicle speeds on unpaved roads shall be limited to 15 mph. • All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. • Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. • Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. • All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. • A publicly-visible sign shall be posted with the telephone number and person to contact at the City of Milpitas regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations	During all phases of construction	Project Applicant/ Construction Contractor	City of Milpitas Planning Department

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
The proposed project could expose sensitive receptors to substantial pollutant concentrations as a result of its proximity to Interstate 680.	Project-Specific Condition of Approval AIR-1: The following measures shall be required to reduce TACs and particulate matter indoors to a level sufficient to achieve compliance with BAAQMD health risk thresholds: • The project applicant shall provide a heating, ventilation, and air conditioning (HVAC) system with a control efficiency sufficient to result in a reduction of a minimum 75.0 percent of particulates of 2.5 microns or less, such as Minimum Efficiency Reporting Value (MERV)-12 filters or greater, for indoor air filtration systems. The ventilation system shall be certified to achieve the stated performance effectiveness from indoor areas. • The project applicant shall locate all air intakes as far away from I-680 as feasible. • The project applicant shall disclose to potential occupants of the project that the proximity of the project site to the freeway could result in increased long-term health risks. The disclosure shall indicate the specifications for the installed air filtration system.	Prior to issuance of a building permit	Project Applicant	City of Milpitas Planning Department City of Milpitas Public Works Department
4.4 Biological Resources				
The proposed project could have a substantial adverse effect, either directly or through habitat modifications, on species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.	BIO-1: To the extent feasible, vegetation removal shall be conducted during the non-nesting season for birds (i.e., between September 1 and January 31). If vegetation removal occurs during the nesting season (February 1 to August 31), suitable nesting habitat within the project site shall be surveyed by a qualified biologist (biologist) no more than 14 days prior to ground disturbing/vegetation removal activities and again within 2 days (48 hours) of such activities. Areas outside the project site shall not be surveyed for active nests unless nests are visible from the project site. If an active nest is found, the biologist shall identify a no-work buffer around the nest until the young have fledged or the nest has otherwise become inactive. The minimum buffer should be 25 feet, but this distance may be modified due to site-specific conditions. Buffer distances for bird nests would be site specific and an appropriate distance, as determined by the biologist. The buffer distances shall be specified to protect the bird's normal behavior to prevent nesting failure or abandonment. The buffer distance recommendation shall be developed after field investigations that evaluate the bird(s) apparent distress in the presence of people or equipment at various distances. Abnormal nesting behaviors that may cause reproductive harm include, but are not limited to, defensive flights/vocalizations directed toward project personnel, standing up from a	Prior to vegetation removal, vegetation trimming, or ground-disturbing activities	Project Applicant/ Construction Contractor	City of Milpitas Planning Department

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
BIO-1 continued	brooding position, and/or flying away from the nest. The biologist shall have the authority to stop project activities if a bird exhibits abnormal behavior that may cause reproductive failure such as nest abandonment and loss of eggs and/or young until an appropriate buffer is established. The qualified biologist shall monitor at least weekly the behavior of the adult and young birds, when present, at the nest site to ensure that they are not disturbed by project work. Nest monitoring shall continue during project work until the young have fully fledged and have completely left the nest site and are no longer being fed by the parents, as determined by the qualified biologist. If necessary, the biologist shall consult with CDFW regarding appropriate action to comply with the California Fish and Game Code. If a lapse in project-related work of 7 days or longer occurs, another focused nest survey shall be required before project work resumes.			
The proposed project could conflict with the City's Tree Preservation Ordinance	BIO-2: Prior to the issuance of a demolition or grading permit, the Planning Director, or designated Planning Department staff person, shall confirm that the project applicant has obtained a tree removal permit for any tree to be removed from the project site and has complied with the City of Milpitas Tree Preservation Ordinance.	Prior to the issuance of a demolition or grading permit	Project Applicant	City of Milpitas Planning Department
4.5 Cultural Resources				
The proposed project could cause a substantial adverse change in the significance of a historical resource.	CULT-1: Should an archaeological deposit be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology contacted to assess the situation, determine if the deposit qualifies as a historical resource, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. If the deposit is found to be significant (i.e., eligible for listing in the California Register of Historical Resources), the applicant shall be responsible for funding and implementing appropriate mitigation measures. Mitigation measures may include recordation of the archaeological deposit, data recovery and analysis, and public outreach regarding the scientific and cultural importance of the discovery. Upon completion of the selected mitigations, a report documenting methods and findings shall be prepared and submitted to the City for review, and the final report shall be submitted to the Northwest	Prior to any ground disturbing activities	Project Applicant/ Construction Contractor	City of Milpitas Planning Department

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
CULT-1 continued	University. Significant archaeological materials shall be submitted to an appropriate curation facility and used for public interpretive displays, as appropriate and in coordination with a local Native American tribal representative. The applicant shall inform its contractor(s) of the sensitivity of the project area for archaeological deposits and shall verify that the following directive has been included in the appropriate contract documents: *"The subsurface of the construction site may be sensitive for Native American archaeological deposits. If archaeological deposits are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified archaeologist contacted to assess the situation, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any archaeological materials. Archaeological deposits can include shellfish remains; bones; flakes of, and tools made from, obsidian, chert, and basalt; and mortars and pestles. Contractor acknowledges and understands that excavation or removal of archaeological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5."* Work stoppage in the event of an archaeological discovery would ensure that: (1) if archaeological cultural resources are identified during excavation, these would be evaluated, documented, and studied in accordance with standard archaeological practice; and (2) archaeological deposits and human remains would be treated in accordance with appropriate State codes and regulations. As such, implementation of the above mitigation measures would reduce the project's potential impacts to archaeological historical resources to a less-than-significant level.			
4.7 Geology and Soils				
The proposed project could directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.	GEO-1: Should paleontological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. For purposes of this mitigation measure, a	During all ground disturbing activities	Project Applicant/ Construction Contractor	City of Milpitas Planning Department

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
GEO-1 continued	"qualified paleontologist" shall be an individual with the following qualifications: (1) a graduate degree in paleontology or geology and/or a person with a demonstrated publication record in peer-reviewed paleontological journals; (2) at least two years of professional experience related to paleontology; (3) proficiency in recognizing fossils in the field and determining their significance; (4) expertise in local geology, stratigraphy, and biostratigraphy; and (5) experience collecting vertebrate fossils in the field. If the paleontological resources are found to be significant and project activities cannot avoid them, measures shall be implemented to ensure that the project does not cause a substantial adverse change in the significance of the paleontological resource. Measures may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to the City for review. If paleontological materials are recovered, this report also shall be submitted to a paleontological repository such as the University of California Museum of Paleontology, along with significant paleontological materials. Public educational outreach may also be appropriate. The project applicant shall inform its contractor(s) of the sensitivity of the project site for paleontological resources and shall verify that the following directive has been included in the appropriate contract documents: *"The subsurface of the construction site may be sensitive for fossils. If fossils are encountered during project subsurface construction, all ground-disturbing activities within 25 feet shall be redirected and a qualified paleontologist contacted to assess the situation, consult with agencies as appropriate, and make recommendations for the treatment of the discovery. Project personnel shall not collect or move any paleontological materials. Fossils can include plants and animals, and such trace fossil evidence of past life as tracks or plant imprints. Ancient marine sediments may contain invertebrate fossils such as snails, clam and oyster shells, sponges, and protozoa; and vertebrate fossils such as fish, whale, and sea lion bones.* *Contractor acknowledges and understands that excavation or removal of paleontological material is prohibited by law and constitutes a misdemeanor under California Public Resources Code, Section 5097.5."*			

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
4.8 Greenhouse Gas Emissions				
The proposed project may be inconsistent with the City's adopted Climate Action Plan.	GHG-1: The project applicant shall demonstrate compliance with the applicable measures to the City Planning Division prior to the issuance of a building permit. The following measures are considered to be applicable, feasible, and effective in reducing greenhouse gas emissions generated by the project: • Install Energy Star appliances. • Install on-site renewable energy, such as solar panels. • Use water-efficient irrigation systems and use reclaimed water, when available. • Provide plug-in hybrid and electric vehicle home charging stations. • Provide accessible exterior electrical outlets to charge electric-powered lawn and garden equipment.	Prior to issuance of a building permit	Project Applicant	City of Milpitas Planning Department
4.10 Hydrology and Water Quality				
The proposed project could violate water quality standards or waste discharge requirements.	HYD-1: Prior to construction, the project applicant shall prepare and implement a SWPPP, meeting Construction General Permit requirements (State Water Resources Control Board Order No. 2009-000–DWQ, as amended) designed to reduce potential adverse impacts to surface water quality through the project construction period. The SWPPP shall be submitted to the City for review and approval prior to the issuance of any permits for ground disturbing activities. The SWPPP shall be prepared by a Qualified SWPPP Developer in accordance with the requirements of the Construction General Permit. These include: BMPs for erosion and sediment control, site management/housekeeping/waste management, management of non-stormwater discharges, run-on and runoff controls, and BMP inspection/maintenance/repair activities. BMP implementation shall be consistent with the BMP requirements in the most recent version of the California Stormwater Quality Association Stormwater Best Management Handbook-Construction. The SWPPP shall include a construction site monitoring program that identifies requirements for dry weather visual observations of pollutants at all discharge locations, and as appropriate (depending on the Risk Level), sampling of the site effluent and receiving waters. A Qualified SWPPP Practitioner shall be responsible for implementing the BMPs at the site and performing all required monitoring and inspection/maintenance/repair activities.	Prior to the issuance of grading permits	Project Applicant	City of Milpitas Planning Department

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
The proposed project could violate water quality standards or waste discharge requirements.	HYD-2: The project applicant shall fully comply with the Water Board stormwater permit requirements, including Provision C.3 of the MRP. The project applicant shall prepare and implement a SCP for the project. The SCP shall be submitted to the City for review and approval prior to the issuance of any permits for ground disturbing activities. The SCP would act as the overall program document designed to provide measures to mitigate potential water quality impacts associated with the operation of the proposed project. At a minimum, the SCP for the project shall include: • An inventory and accounting of existing and proposed impervious areas. • Low Impact Development (LID) design details incorporated into the project. Specific LID design may include, but is not limited to: using pervious pavements and green roofs, dispersing runoff to landscaped areas, and/or routing runoff to rain gardens, cisterns, swales, and other small-scale facilities distributed throughout the site. • Measures to address potential stormwater contaminants. These may include measures to cover or control potential sources of stormwater pollutants at the project site. • A Draft Stormwater Facility Operation and Maintenance Plan for the project site, which will include periodic inspection and maintenance of the storm drainage system. Persons responsible for performing and funding the requirements of this plan shall be identified. This plan must be finalized prior to issuance of building permits for the project.	Prior to the issuance of grading permits	Project Applicant	City of Milpitas Planning Department
4.13 Noise				
The proposed project could expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.	NOI-1: The project contractor shall implement the following measures during construction of the project: • Equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards. • Place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the active project site. • Locate equipment staging in areas that would create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the active project site during all project construction. • Ensure that all general construction related activities are restricted to 7:00 a.m. and 7:00 p.m.	During all phases of construction	Project Applicant/ Construction Contractor	City of Milpitas Planning Department

Table 1: Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures/Project-Specific Conditions of Approval	Timeframe for Implementation	Responsibility for Implementation	Oversight of Implementation
NOI-1 continued	• Designate a "disturbance coordinator" at the City of Milpitas who would be responsible for responding to any local complaints about construction noise. The disturbance coordinator would determine the cause of the noise complaint (e.g., starting too early, bad muffler) and would determine and implement reasonable measures warranted to correct the problem.			
The proposed project could conflict with the City's noise and land use compatibility standards.	NOI-2: In order to comply with the City's noise and land use compatibility standards, the following measures shall be implemented: • The proposed project shall include the installation of air conditioning which would allow hotel room windows to remain closed. • Standard building construction requirements consisting of windows and doors with a minimum rating of STC-27 are incorporated.	Prior to the issuance of a building permit	Project Applicant	City of Milpitas Planning Department City of Milpitas Public Works Department

Source: LSA 2019.

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R H A

ROBERT HIDEY ARCHITECTS

NORTH PARK VICTORIA

MILPITAS, CA

SHEET INDEX

A-1 COVER SHEET
A-2 PLAN 1 - FLOOR PLANS
A-3 PLAN 1X - FLOOR PLANS
A-4 PLAN 1 - ROOF PLANS 'A', 'DX'
A-5 PLAN 1 - EXTERIOR ELEVATIONS 'A'
A-6 PLAN 1X - EXTERIOR ELEVATIONS 'D'
A-7 PLAN 2 - FLOOR PLANS - BASE PLANS
A-8 PLAN 2 - FLOOR PLANS - PARTIAL PLANS 'C' & 'D'
A-9 PLAN 2 - ROOF PLANS 'A', 'C', 'D'
A-10 PLAN 2 - EXTERIOR ELEVATIONS 'A'
A-11 PLAN 2 - EXTERIOR ELEVATIONS 'C'
A-12 PLAN 2 - EXTERIOR ELEVATIONS 'D'
A-13 PLAN 3 - FLOOR PLANS - BASE PLANS
A-14 PLAN 3 - FLOOR PLANS - PARTIAL PLANS 'B', 'C' & 'D'
A-15 PLAN 3 - ROOF PLANS 'A' & 'B'
A-16 PLAN 3 - ROOF PLANS 'C' & 'D'
A-17 ADU - FLOOR PLANS 'GA', 'GB', 'GC'
A-18 ADU - ROOF PLANS 'GA', 'GB', 'GC'
A-19 PLAN 3 - EXTERIOR ELEVATIONS 3A WITH GA AT LOT 36
A-20 PLAN 3 - EXTERIOR ELEVATIONS 3A WITH GA AT LOT 36
A-21 PLAN 3 - EXTERIOR ELEVATIONS 3B WITH GC AT LOT 34
A-22 PLAN 3 - EXTERIOR ELEVATIONS 3B WITH GC AT LOT 34
A-23 PLAN 3 - EXTERIOR ELEVATIONS 3C WITH GB AT LOT 35
A-24 PLAN 3 - EXTERIOR ELEVATIONS 3C WITH GB AT LOT 35
A-25 PLAN 3 - EXTERIOR ELEVATIONS 3D WITH GA AT LOT 33
A-26 PLAN 3 - EXTERIOR ELEVATIONS 3D WITH GA AT LOT 33
A-27 SITE SECTION 'A'

100% SCHEMATIC DESIGN

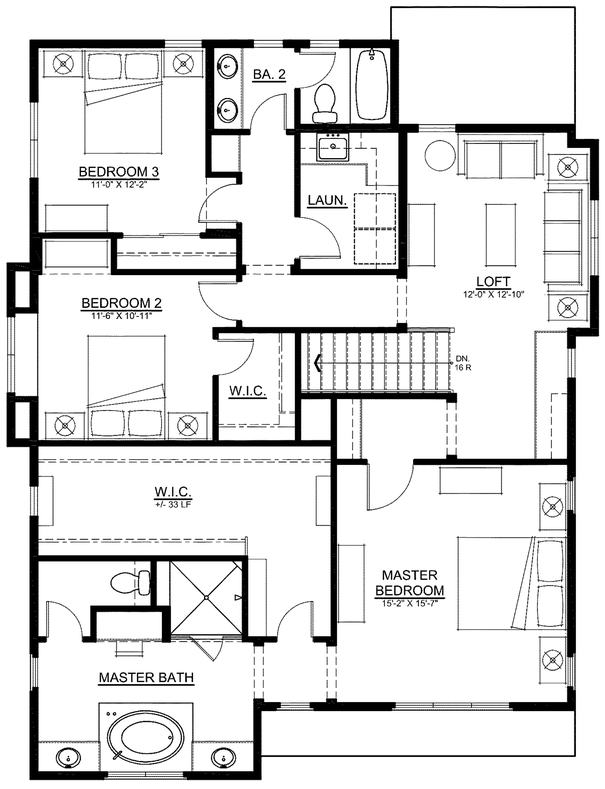
ROBSON HOMES

PROJECT NUMBER: 16035 10/16/19

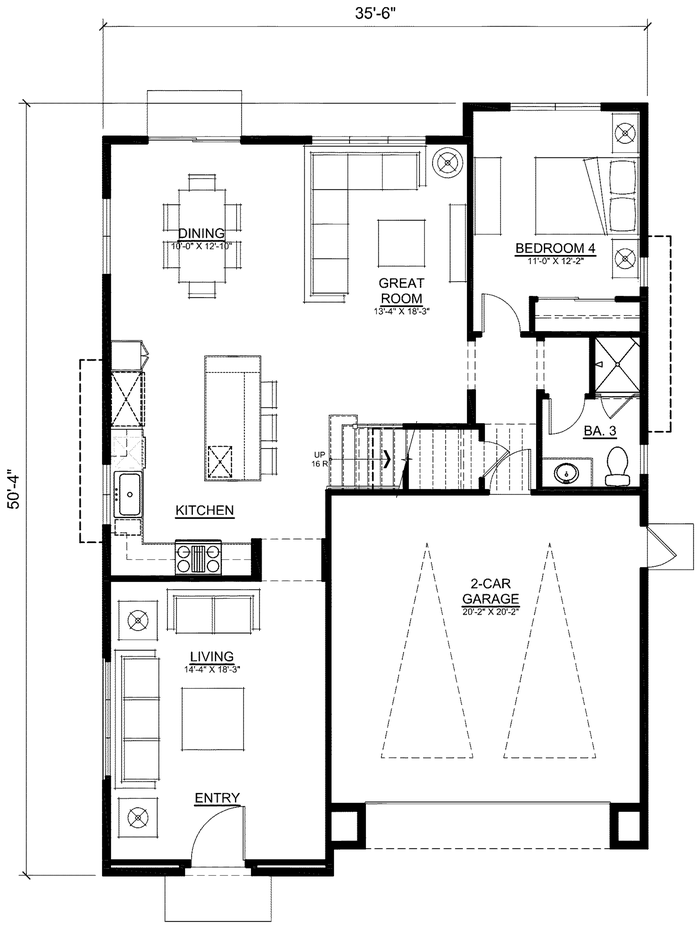
A ELEVATIONS – SPANISH VERSION 1
– ALL STUCCO, FOAM CORNICE EAVES, 'S' TILE, AND SHARED DETAILING ELEMENTS (1A, 2A, 3A)
B ELEVATIONS - MONTEREY VERSION 1
– PREDOMINANTLY STUCCO WITH BRICK VENEER AND LAP SIDING ENHANCEMENTS, FLAT TILE (3B)
C ELEVATIONS – MONTEREY VERSION 2
– PREDOMINANTLY STUCCO WITH BOARD & BATTEN ENHANCEMENTS, FLAT TILE, AND SHARED DETAILING ELEMENTS (2C & 3C)
D ELEVATIONS – SPANISH VERSION 2
– ALL STUCCO, COMBINATION OF FOAM CORNICE AND WOOD RAFTER TAILS EAVES, AND SHARED DETAILING ELEMENTS (1DX, 2D, 3D)

R H A

ROBERT HIDEY ARCHITECTS



SECOND FLOOR
(1,544 SF)



FIRST FLOOR
(1,216 SF)

PLAN 1
('A' ELEVATION)
TOTAL: 2,760 SF

PLAN 1 FLOOR PLAN

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

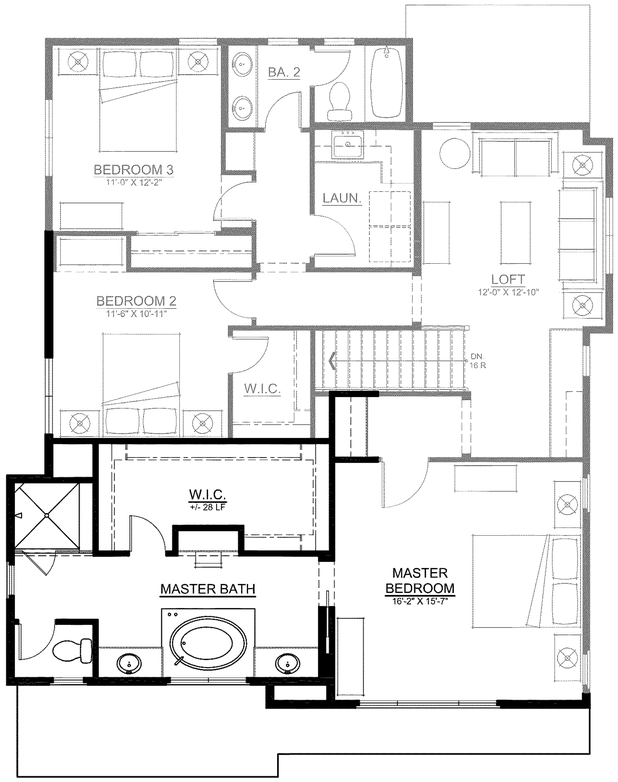
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

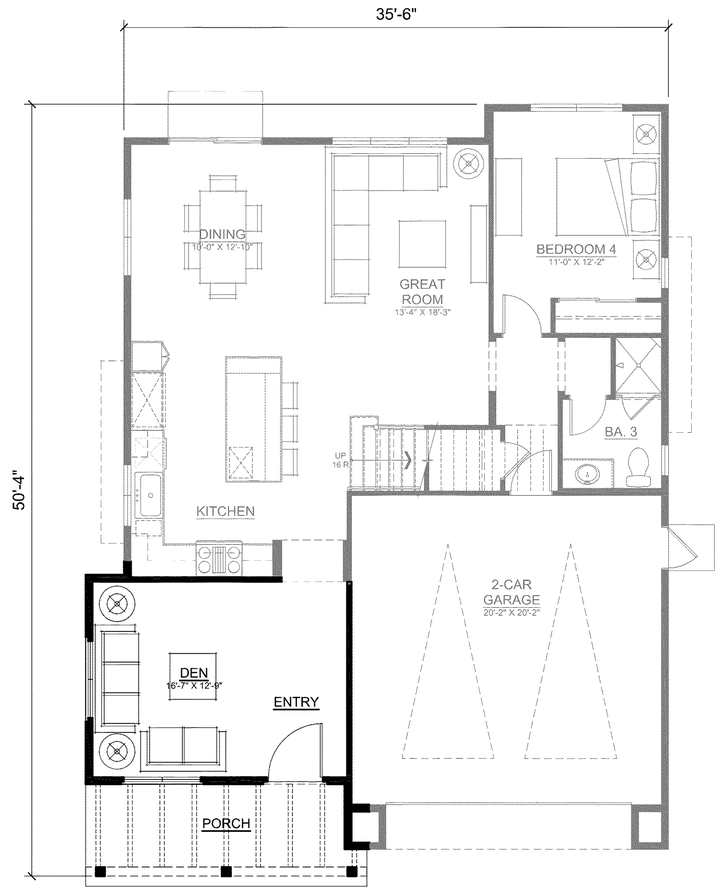
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



SECOND FLOOR
(1,473 SF)



FIRST FLOOR
(1,169 SF)

PLAN 1X
('DX' ELEVATION)
TOTAL: 2,642 SF

PLAN 1X FLOOR PLAN

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

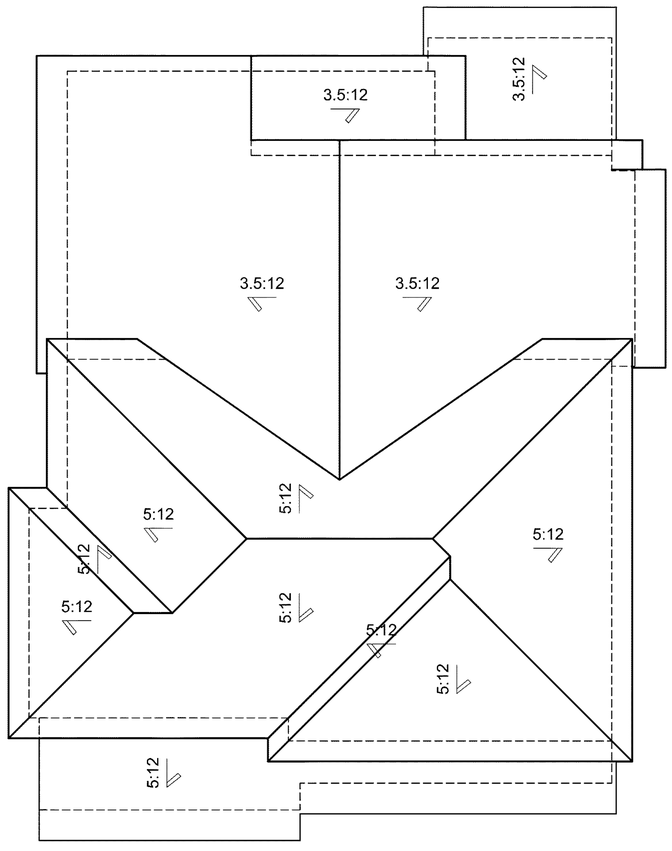
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

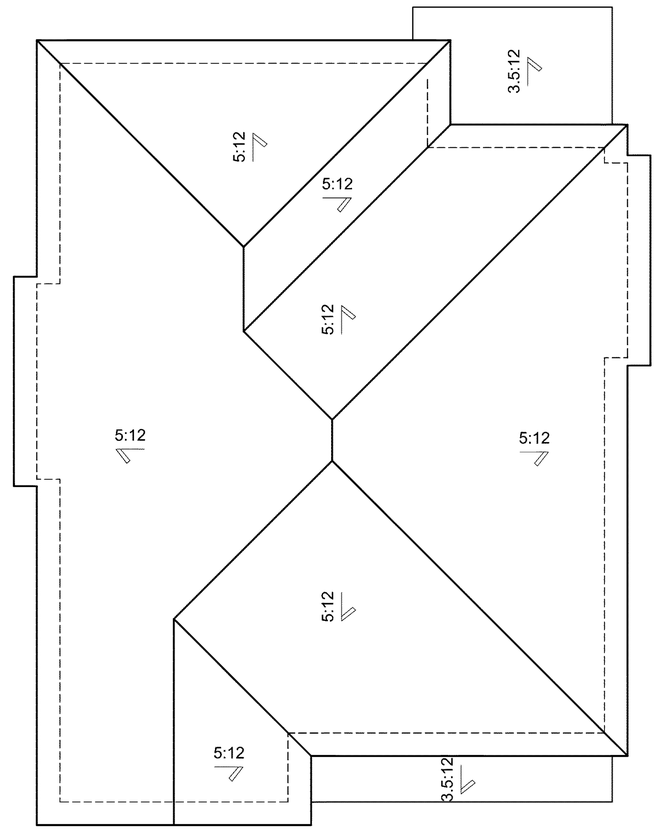
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



'1DX' ELEVATION



'1A' ELEVATION

PLAN 1

ROOF PLANS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

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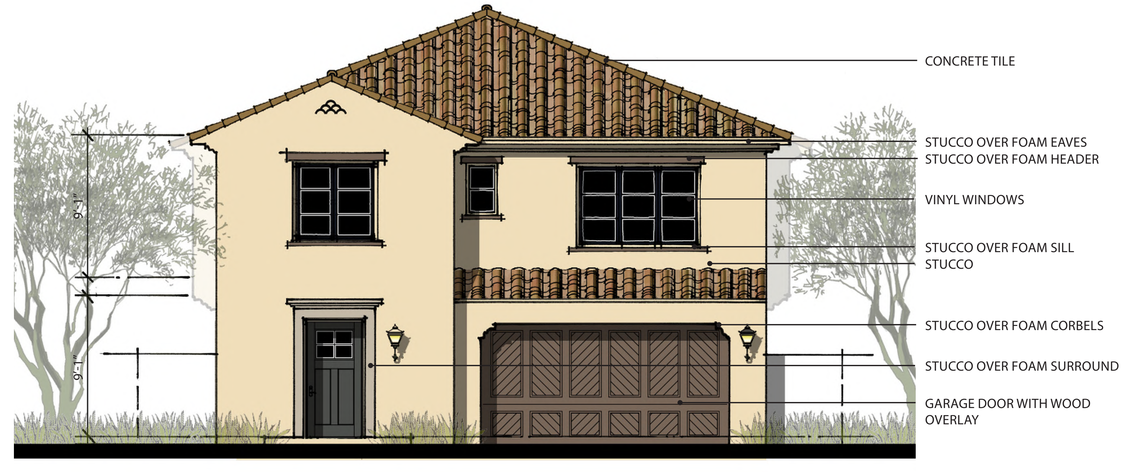
R H A

ROBERT HIDEY ARCHITECTS

LEFT



FRONT
SCHEME 4

RIGHT

REAR

PLAN 1A

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

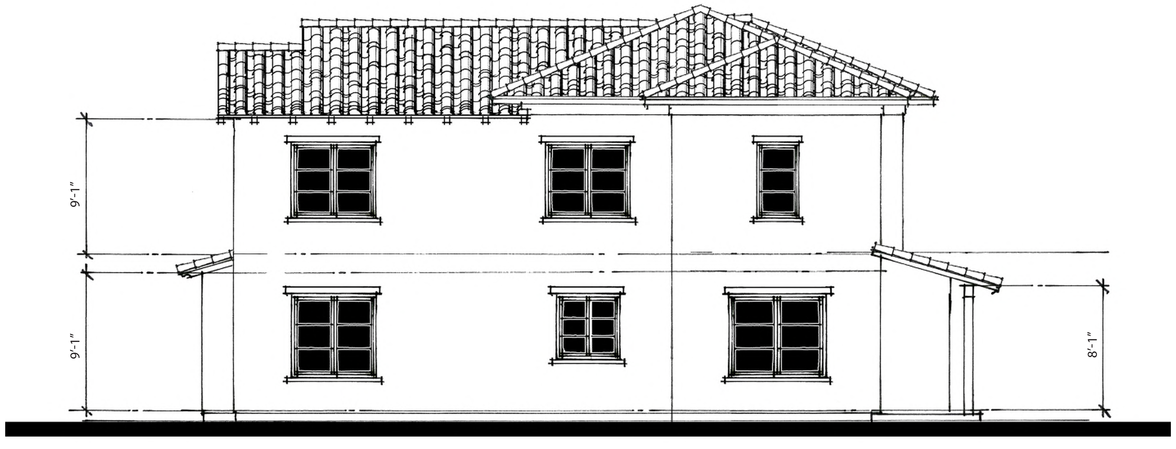
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



LEFT

FRONT
SCHEME 6

RIGHT

REAR

PLAN 1DX
NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

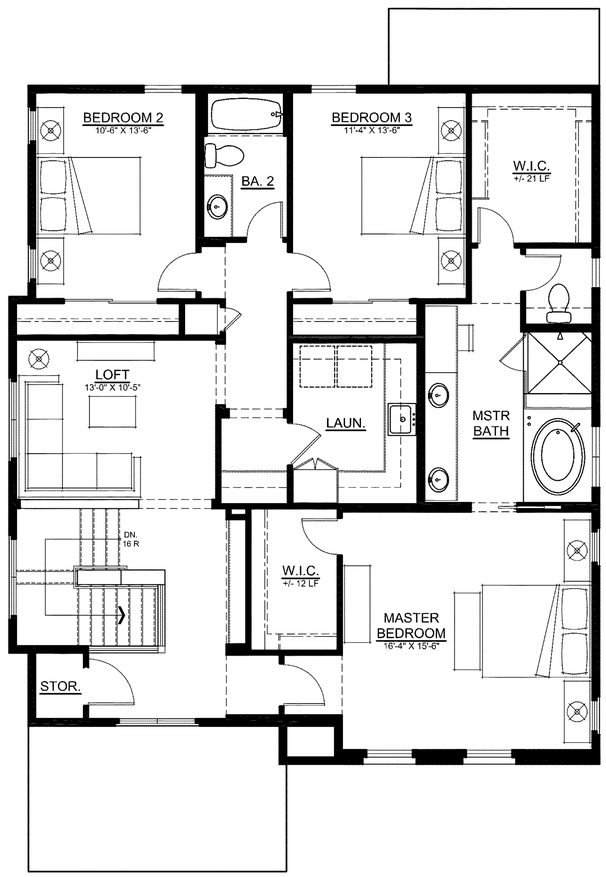
CIVIL ENGINEERING ASSOCIATES
CIVIL

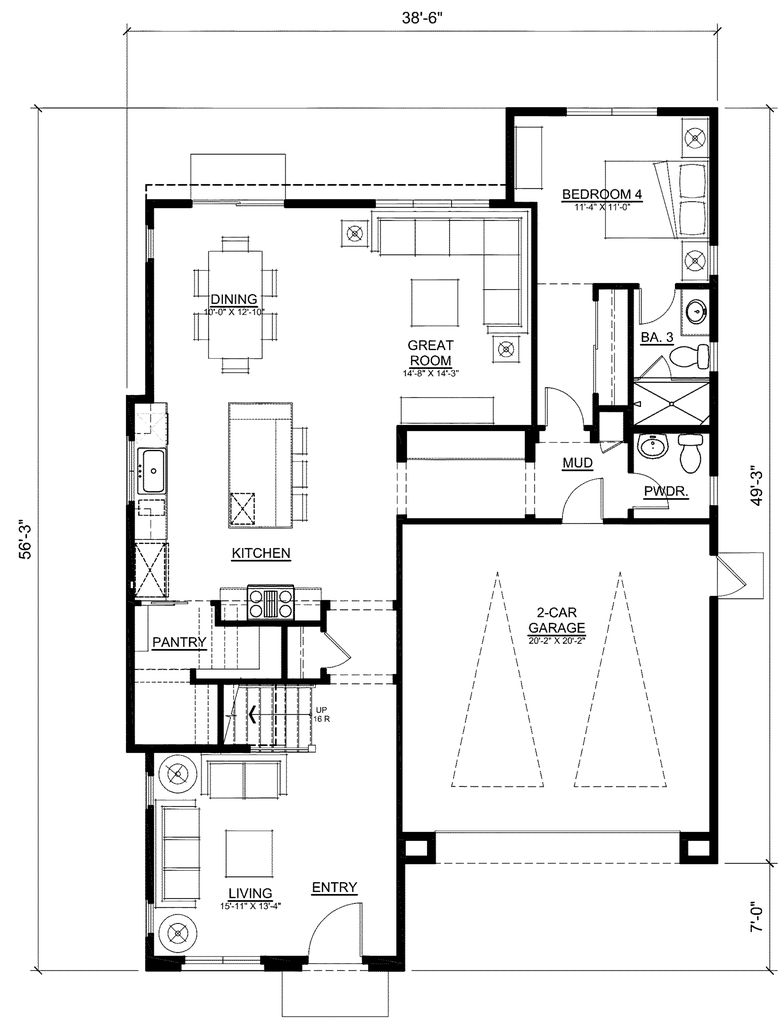
ROBSON HOMES

16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS





SECOND FLOOR
(1,544 SF)

PLAN 2
('A' ELEVATION)
TOTAL: 2,921 SF

FIRST FLOOR
(1,377 SF)

PLAN 2 FLOOR PLAN

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

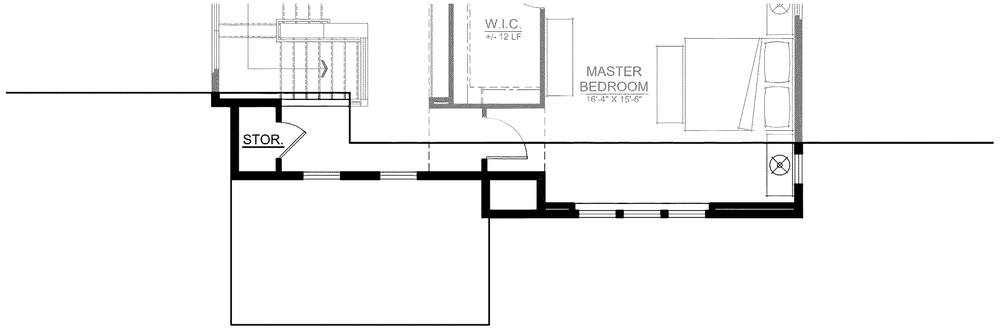
16035.01 10/16/19

A-7

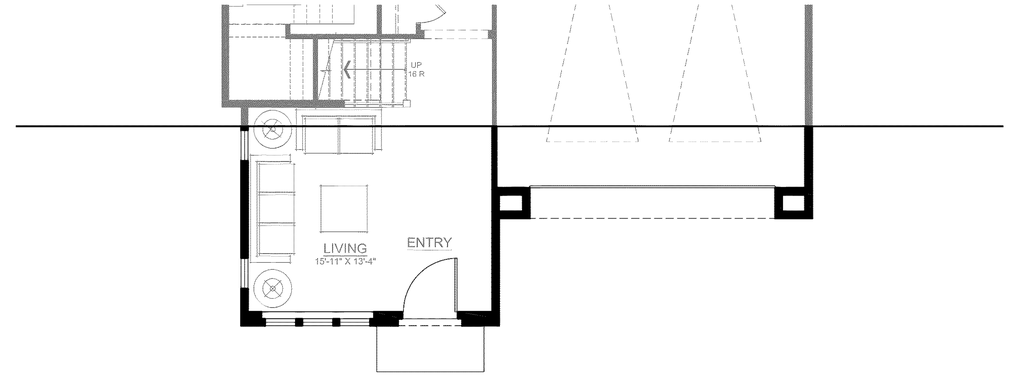
1070

R H A

ROBERT HIDEY ARCHITECTS

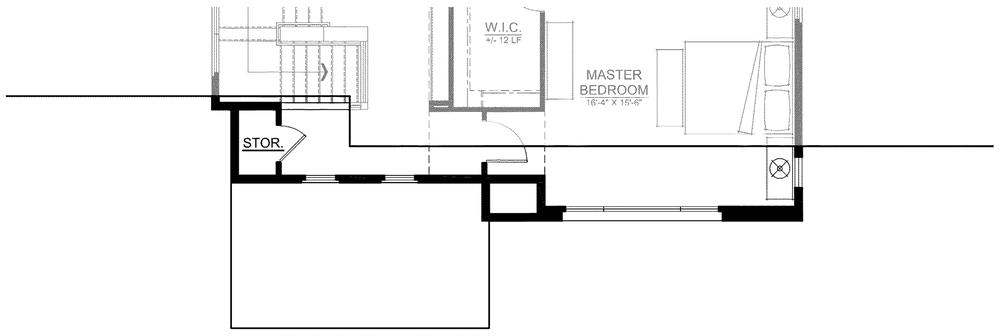


SECOND FLOOR

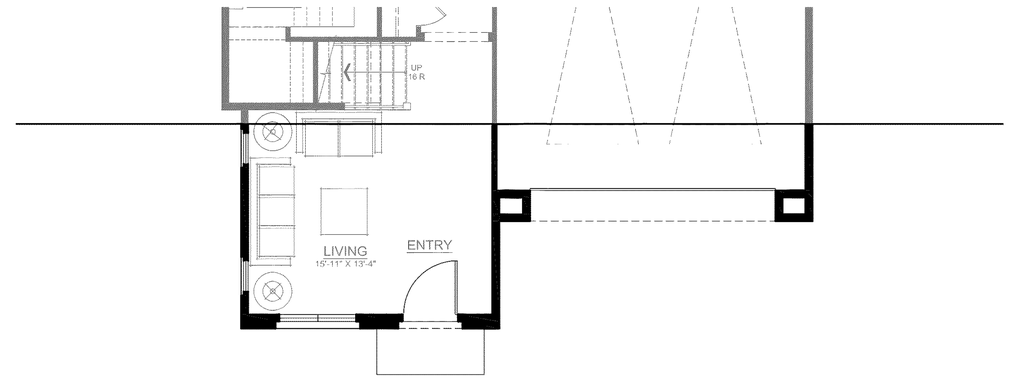


FIRST FLOOR

'C' ELEVATION



SECOND FLOOR



FIRST FLOOR

'D' ELEVATION

PLAN 2 FLOOR PLAN

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

PLAN 2

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

DESIGN FOCUS
LANDSCAPE

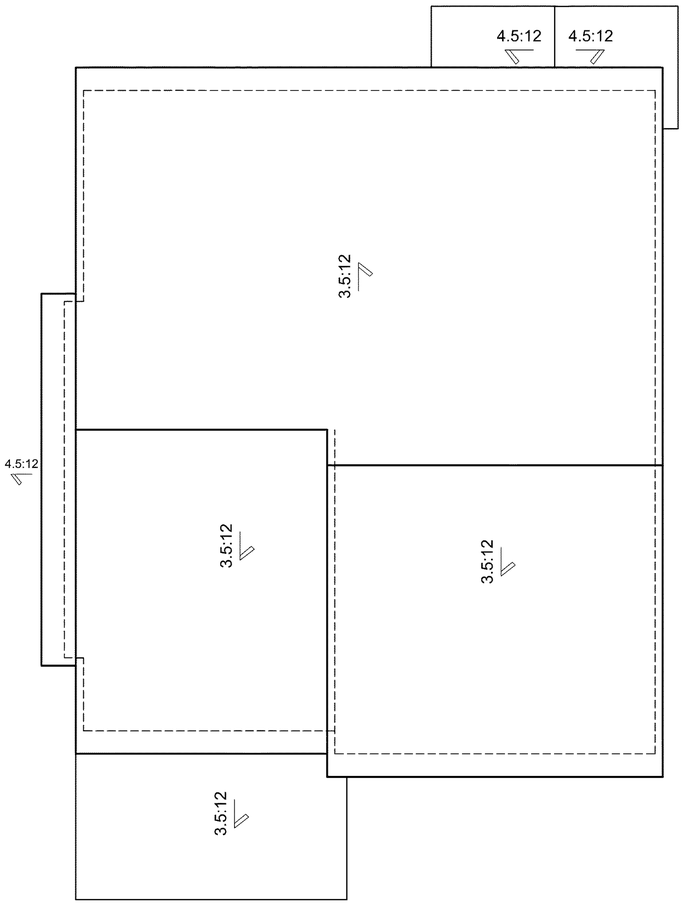
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

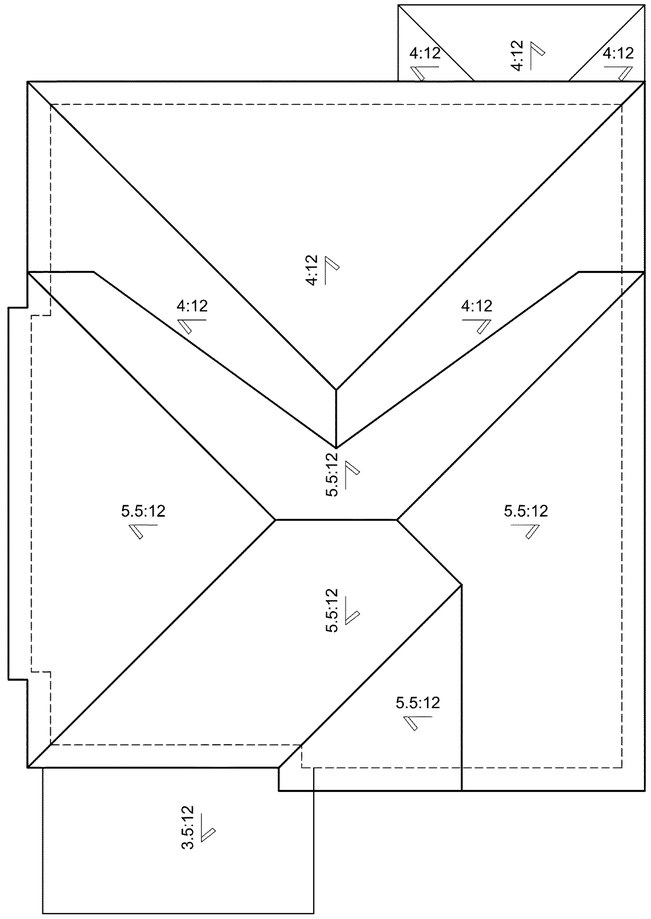
16035.01 10/16/19

R H A

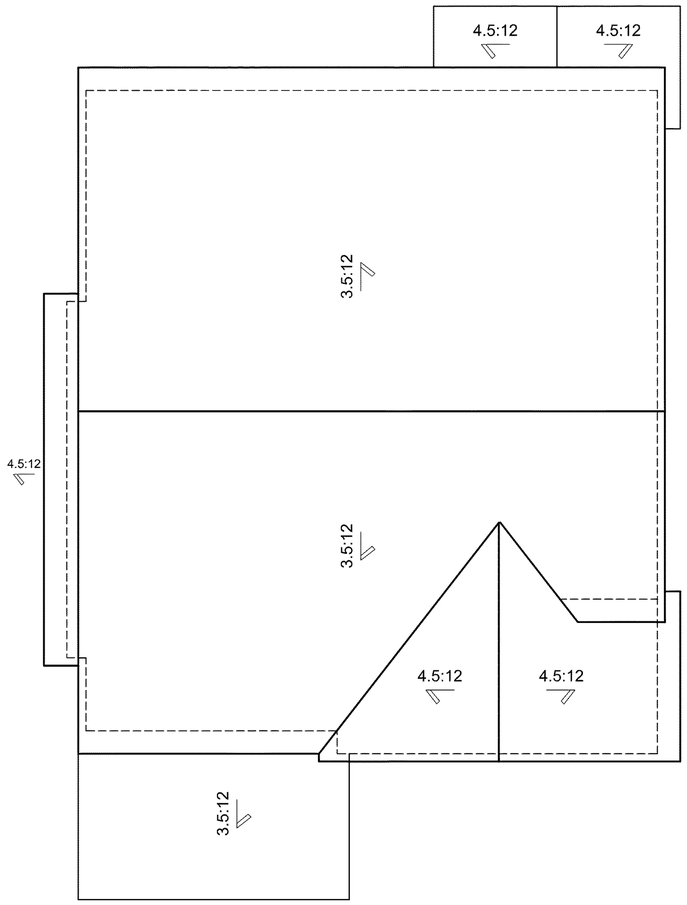
ROBERT HIDEY ARCHITECTS



'2D' ELEVATION



'2C' ELEVATION



'2A' ELEVATION

PLAN 2

ROOF PLANS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

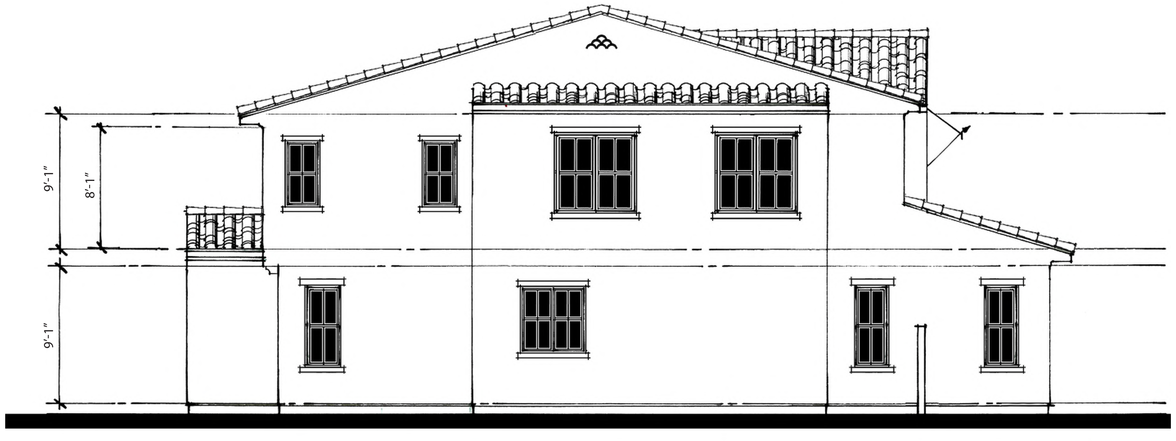
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

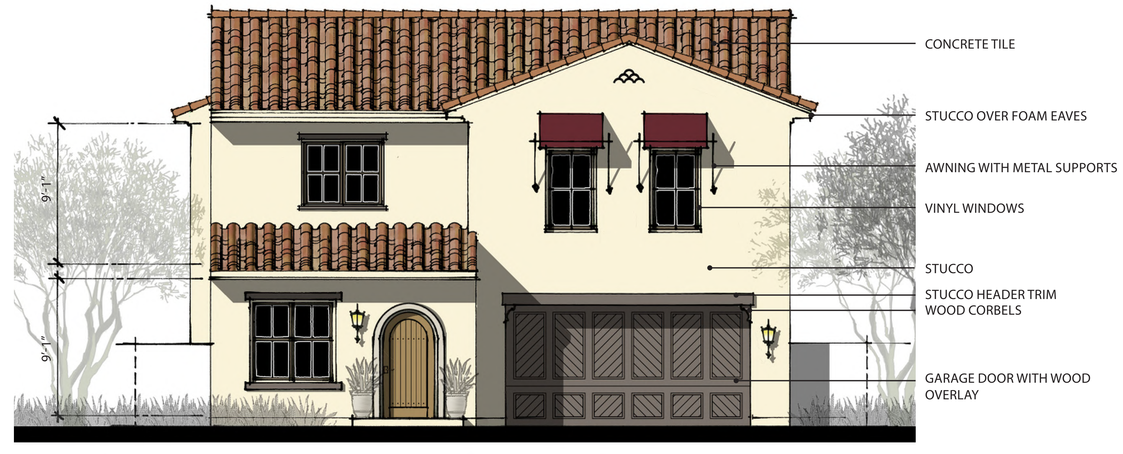
16035.01 10/16/19

R H A

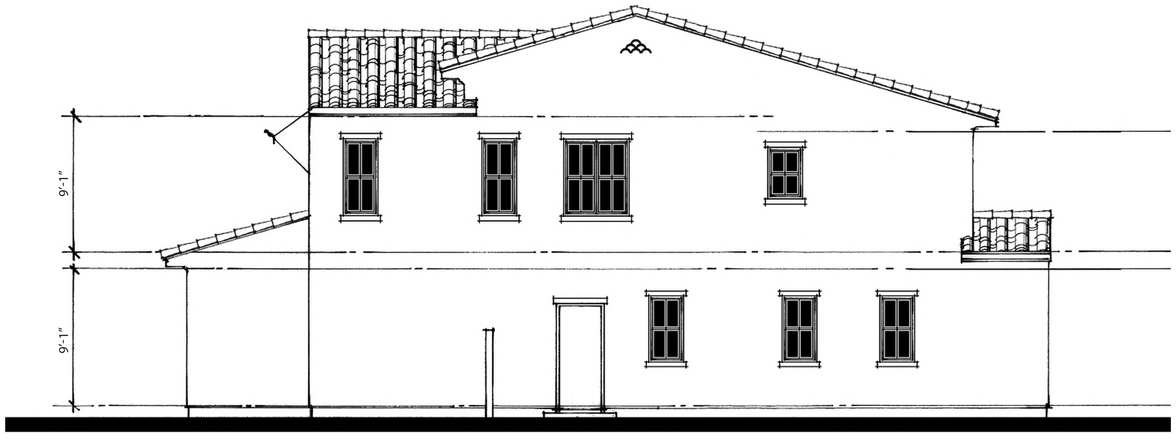
ROBERT HIDEY ARCHITECTS



LEFT



FRONT
SCHEME 3



RIGHT

REAR

PLAN 2A

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

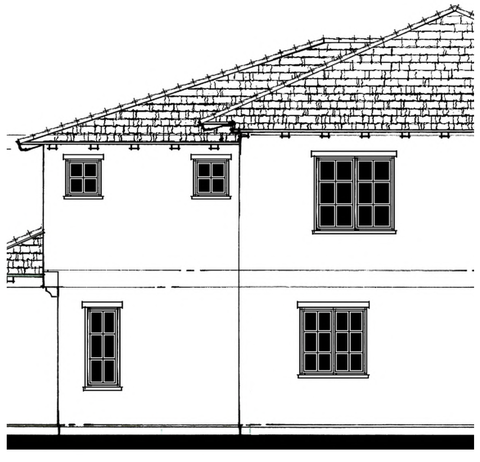
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

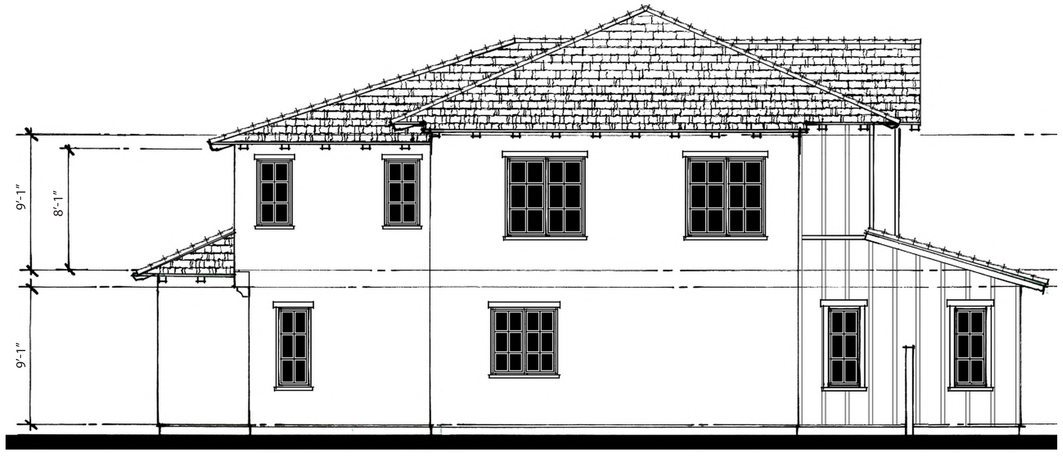
16035.01 10/16/19

RHA

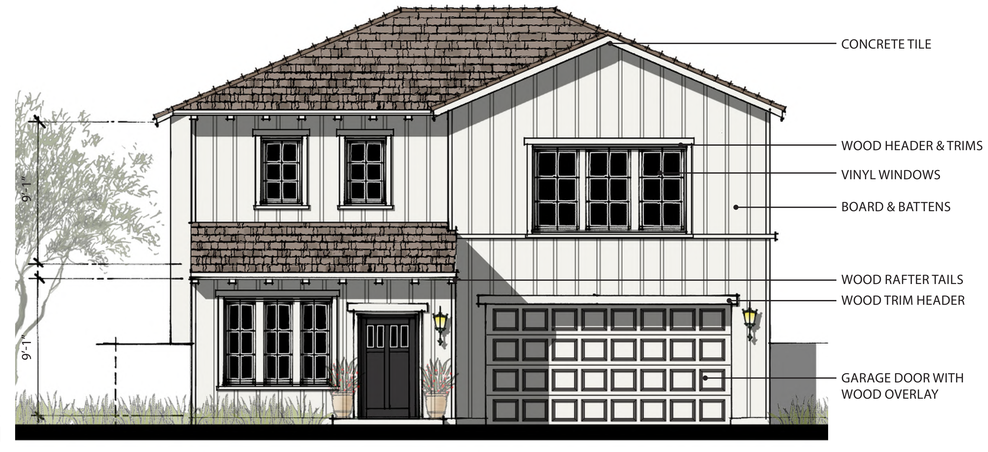
ROBERT HIDEY ARCHITECTS



LEFT
(AT LOT 1)

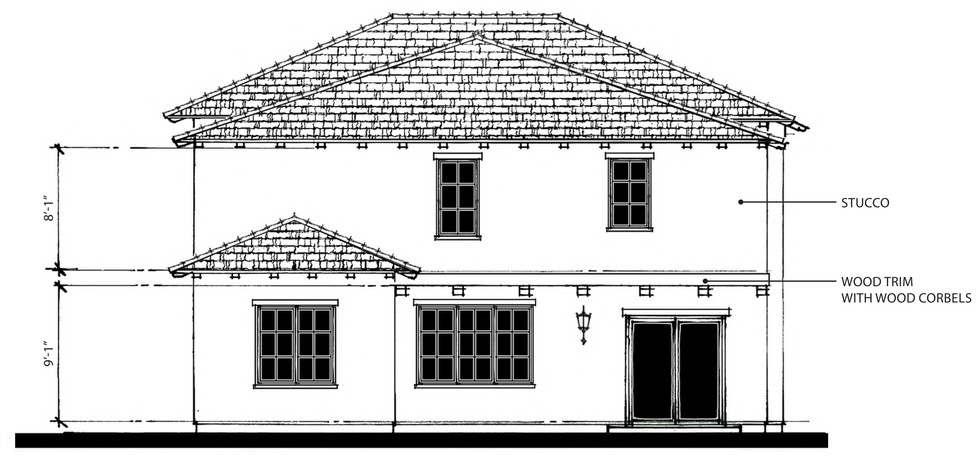


LEFT



FRONT
SCHEME 1

RIGHT



REAR

PLAN 2C

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

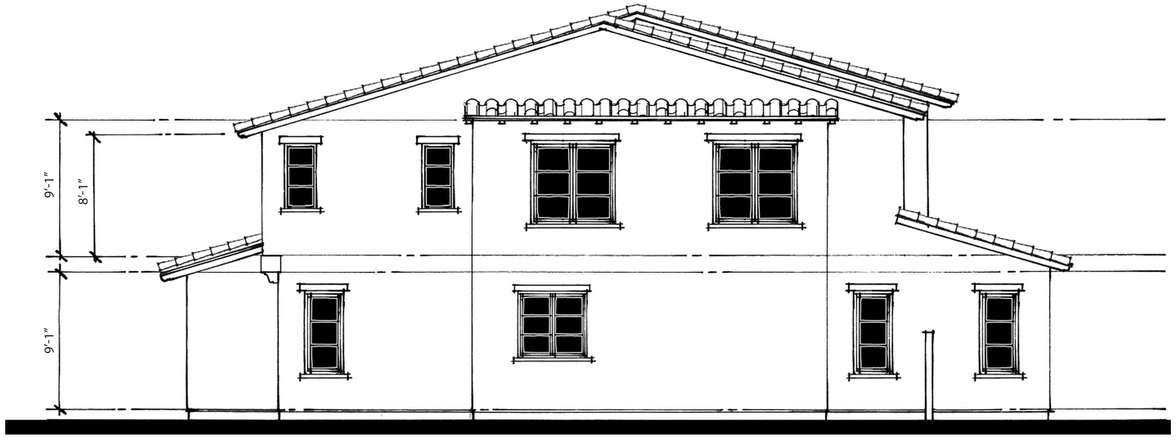
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



LEFT

FRONT
SCHEME 7

RIGHT

REAR

PLAN 2D
NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

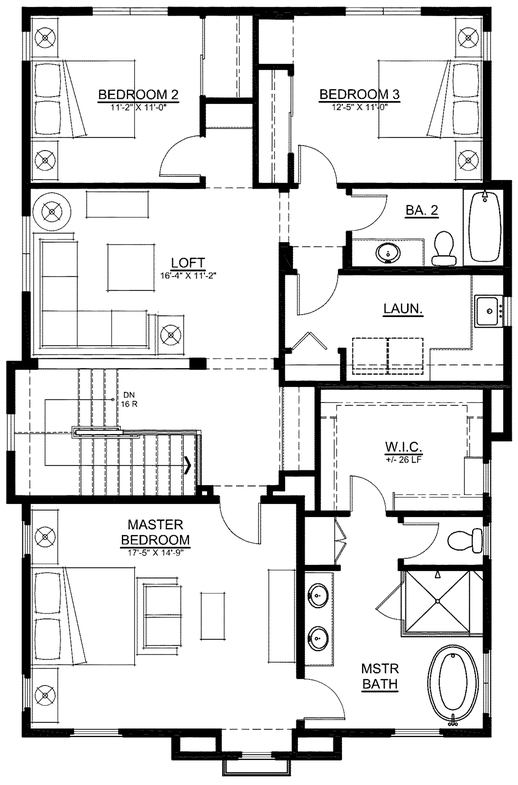
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

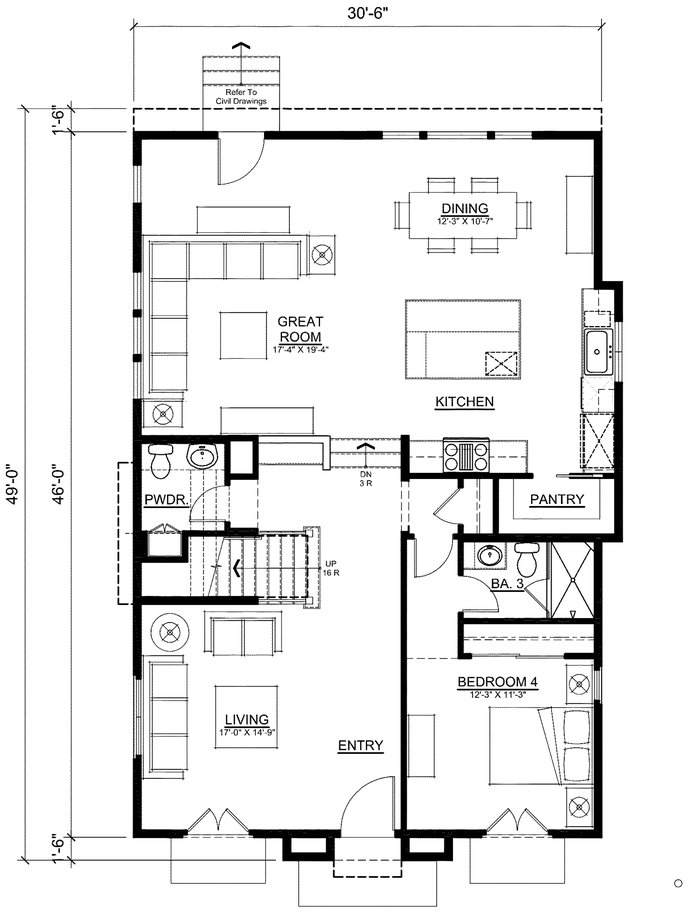
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



SECOND FLOOR
(1,403 SF)



FIRST FLOOR
(1,426 SF)

PLAN 3
('A' ELEVATION)
TOTAL: 2,829 SF

PLAN 3 FLOOR PLAN

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA
MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

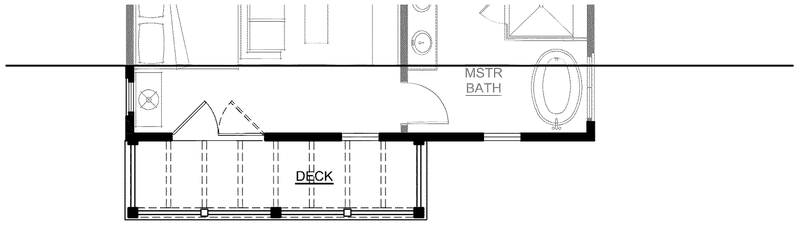
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

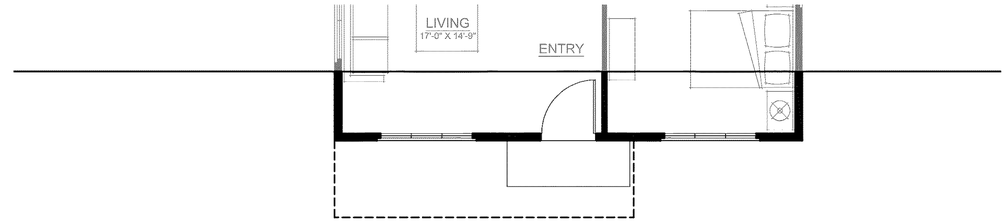
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS

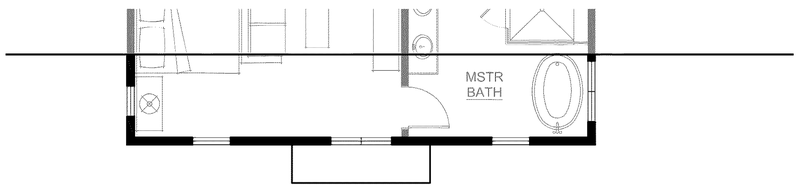


SECOND FLOOR
1,395 SF

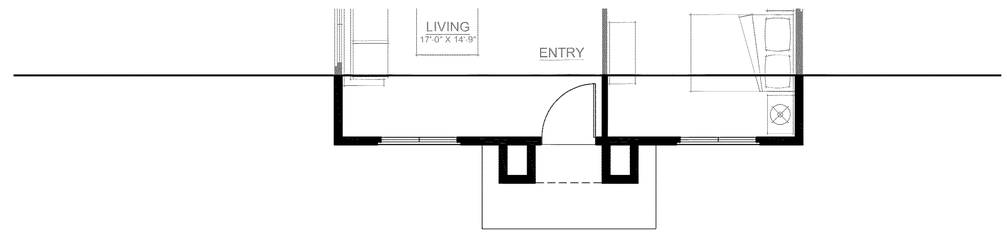


FIRST FLOOR
1,426 SF

'B' ELEVATION (2,821 SF)

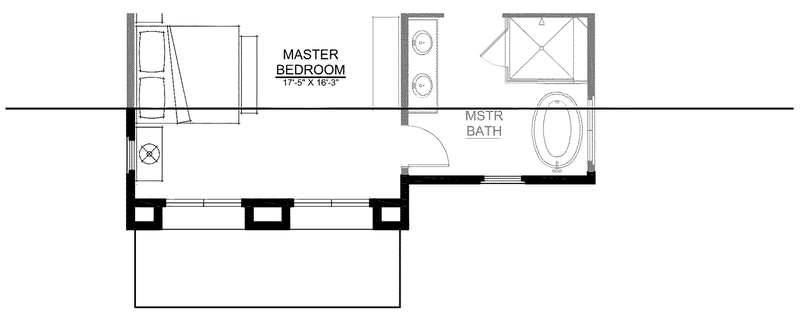


SECOND FLOOR
1,395 SF

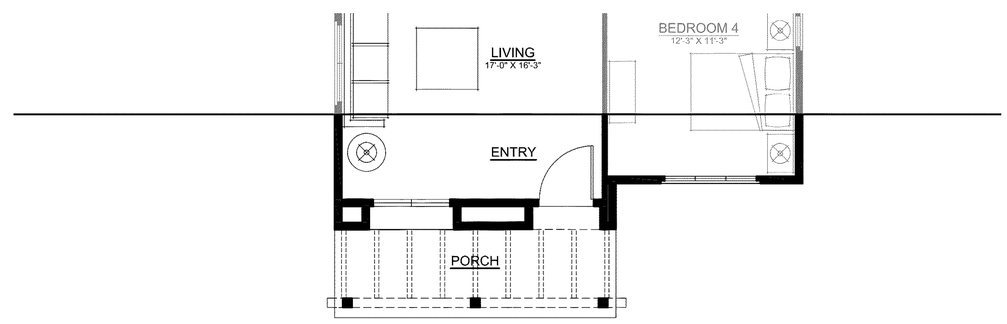


FIRST FLOOR
1,426 SF

'C' ELEVATION (2,821 SF)



SECOND FLOOR
1,422 SF



FIRST FLOOR
1,452 SF

'D' ELEVATION (2,874 SF)

PLAN 3 FLOOR PLAN

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

PLAN 3

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

DESIGN FOCUS
LANDSCAPE

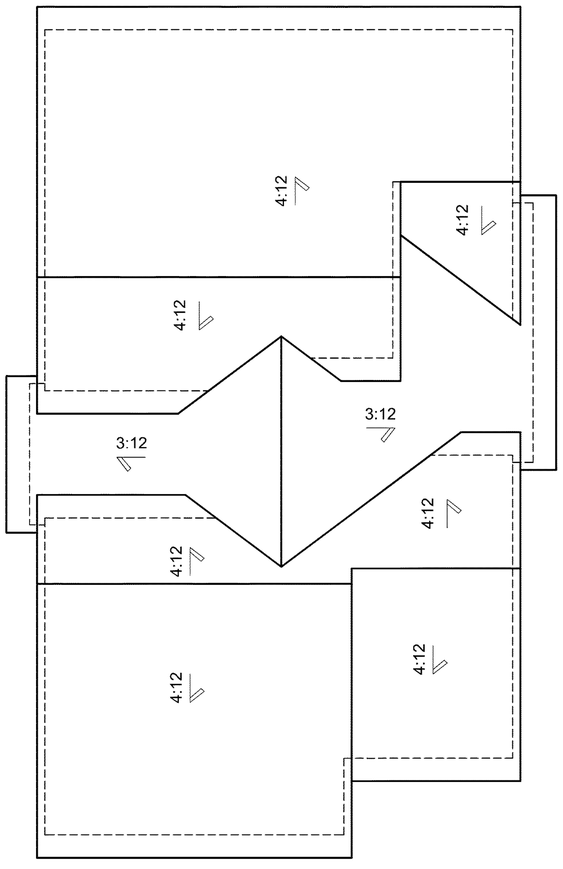
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

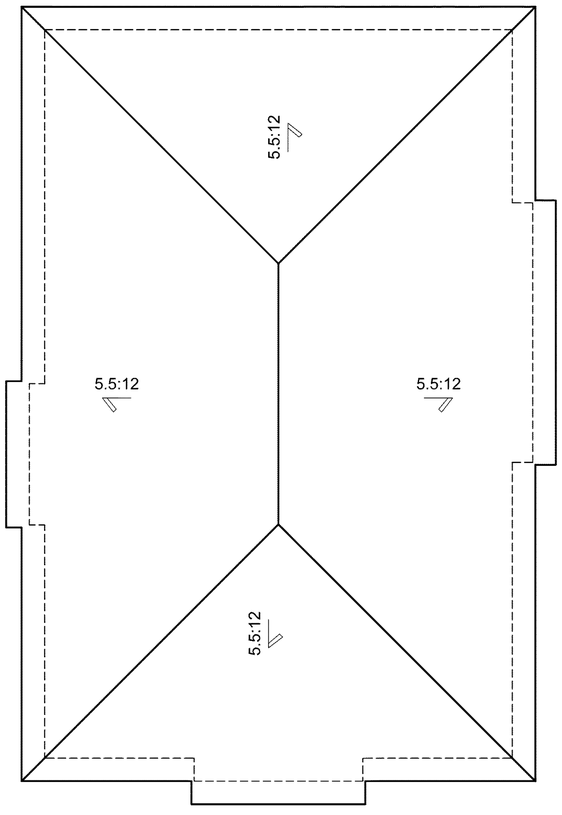
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



'3B' ELEVATION



'3A' ELEVATION

PLAN 3

ROOF PLANS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

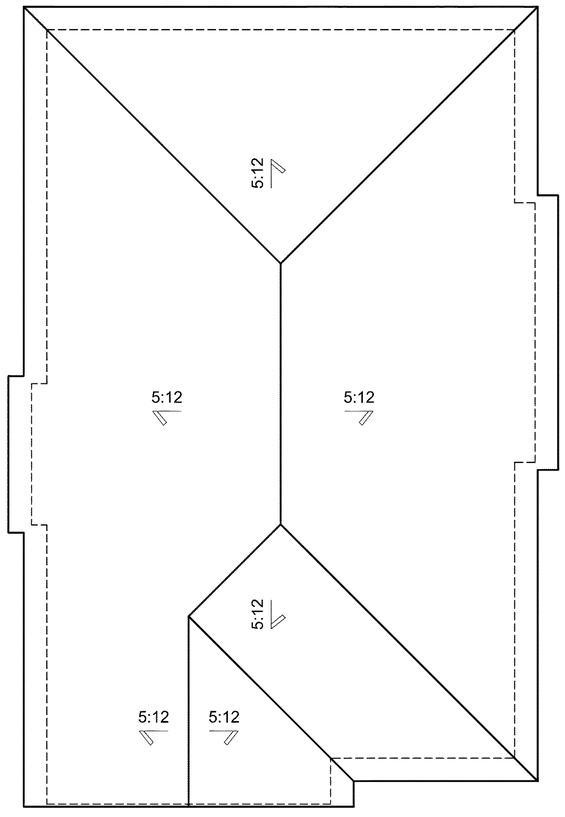
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

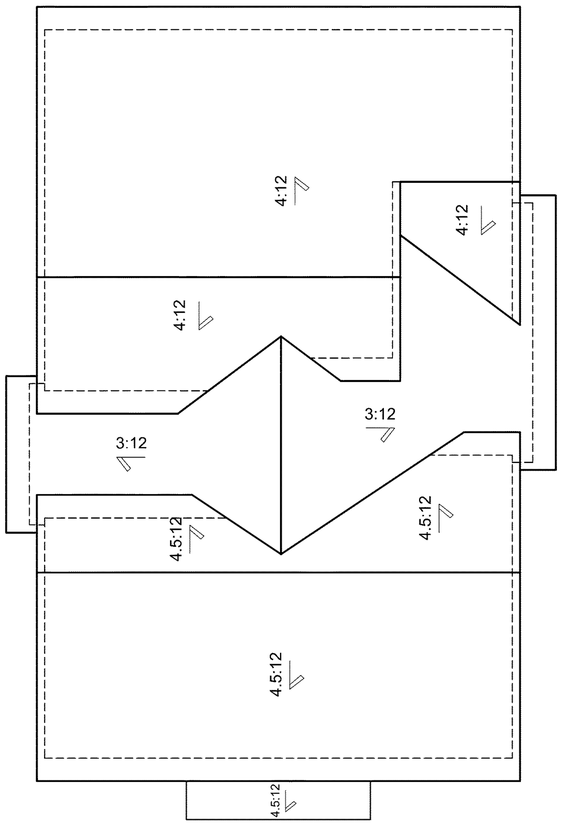
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



'3D' ELEVATION



'3C' ELEVATION

PLAN 3

ROOF PLANS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

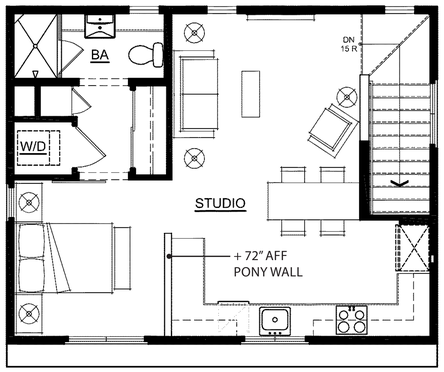
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

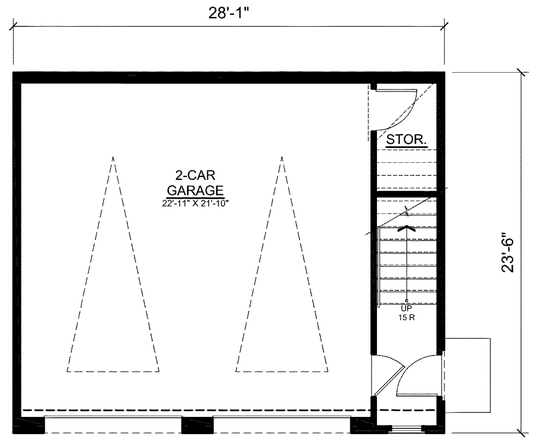
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS



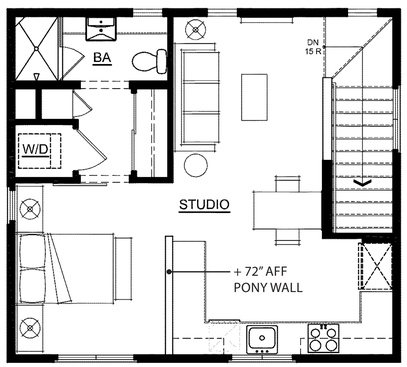
SECOND FLOOR



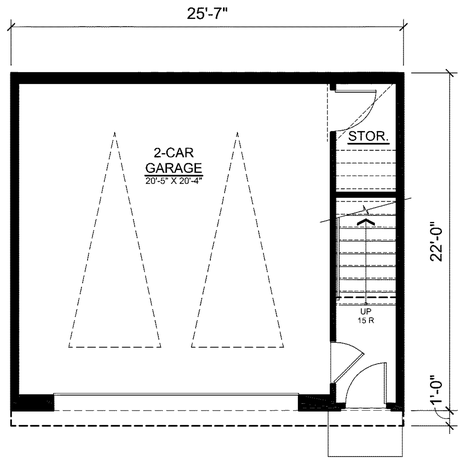
FIRST FLOOR

ADU GARAGE C

2ND FLOOR	= 555 SF
1ST FLOOR	= 69 SF
TOTAL STUDIO	**= 624 SF**
TOTAL GARAGE	**= 591 SF**



SECOND FLOOR



FIRST FLOOR

ADU GARAGE A & B

2ND FLOOR	= 521 SF
1ST FLOOR	= 62 SF
TOTAL STUDIO	**= 583 SF**
TOTAL GARAGE	**= 501 SF**

ADU FLOOR PLANS

0 1' 2' 4' 8'

SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

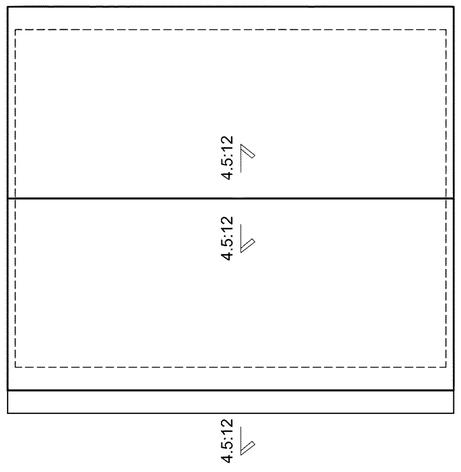
ROBSON HOMES

16035.01 10/16/19

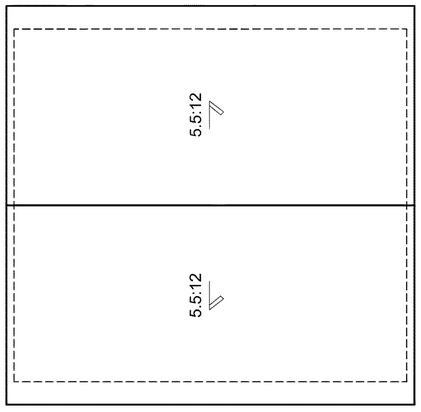
1080

R H A

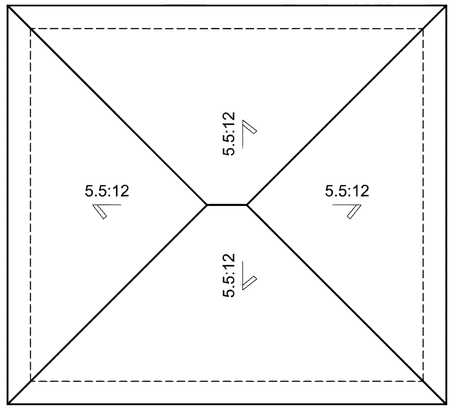
ROBERT HIDEY ARCHITECTS



'GC' ELEVATION



'GB' ELEVATION



'GA' ELEVATION

ADU ROOF PLANS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

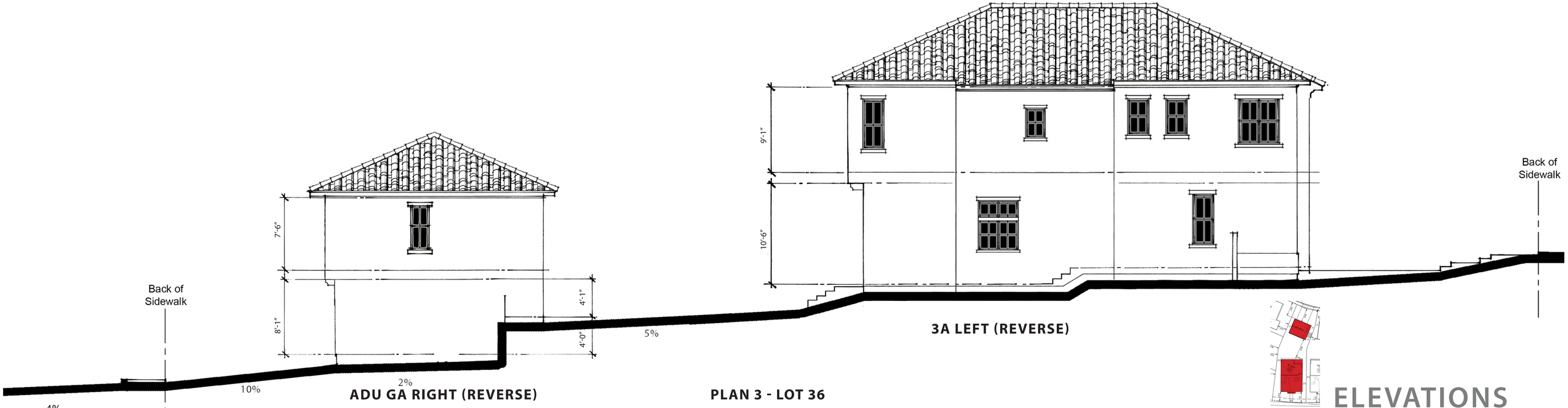
16035.01 10/16/19

RHA

ROBERT HIDEY ARCHITECTS

3A REAR (REVERSE)

3A FRONT (REVERSE)
SCHEME 4



ADU GA RIGHT (REVERSE)

3A LEFT (REVERSE)

PLAN 3 - LOT 36

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

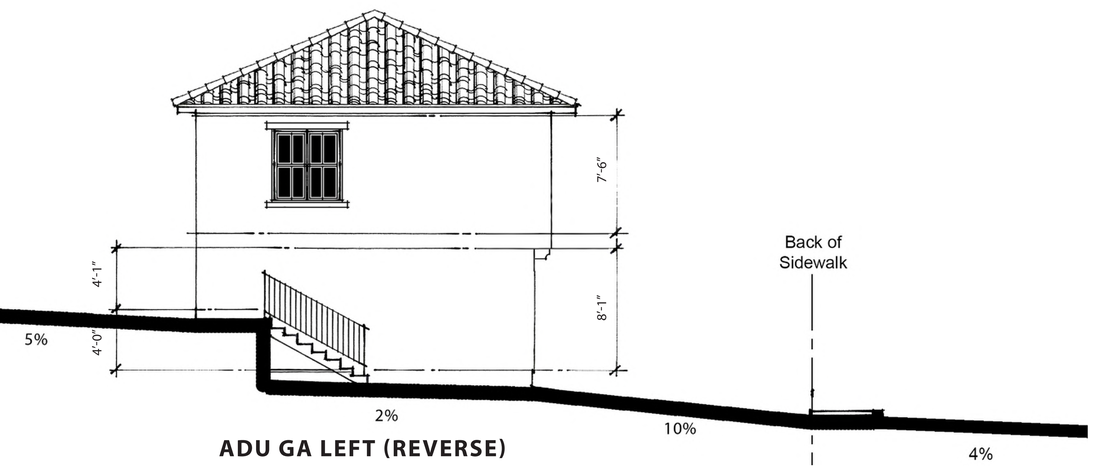
ROBSON HOMES

16035.01 10/16/19

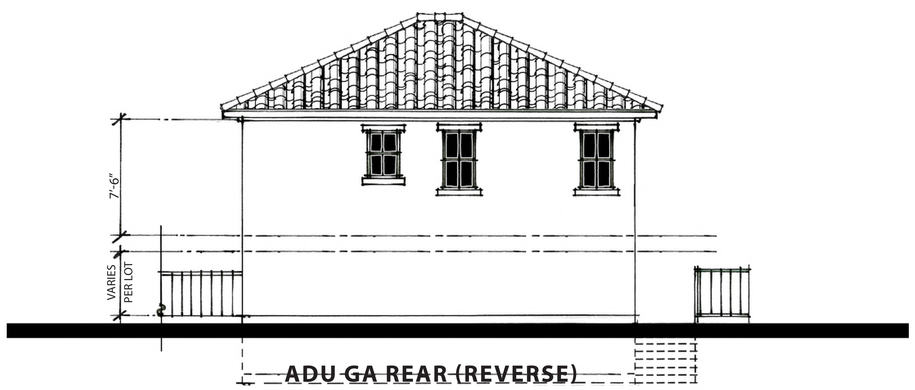
R H A

ROBERT HIDEY ARCHITECTS

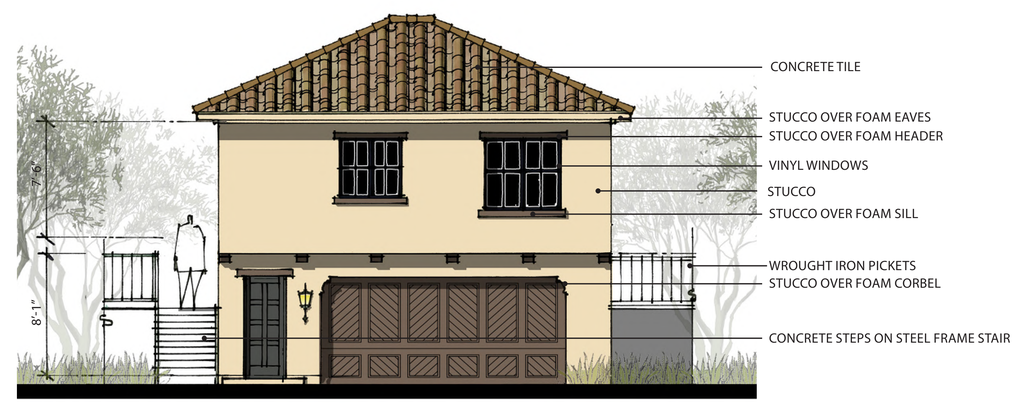
3A RIGHT (REVERSE)



ADU GA LEFT (REVERSE)



ADU GA REAR (REVERSE)



ADU GA FRONT (REVERSE)
SCHEME 4

PLAN 3 - LOT 36
NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

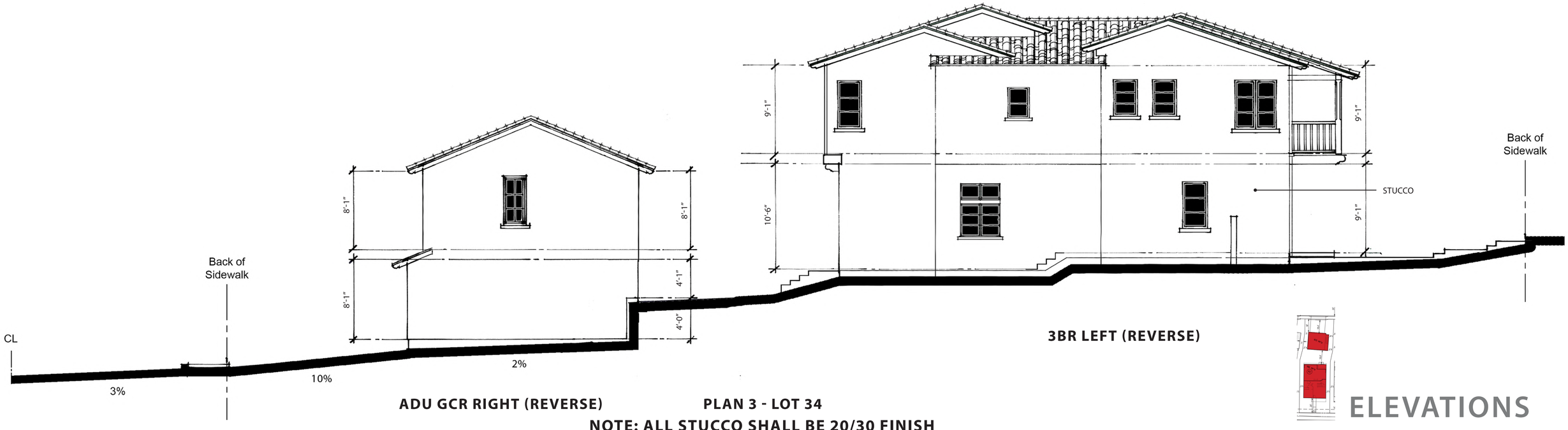
16035.01 10/16/19

RHA

ROBERT HIDEY ARCHITECTS

3BR REAR (REVERSE)

3BR FRONT (REVERSE)
SCHEME 8



ADU GCR RIGHT (REVERSE)

3BR LEFT (REVERSE)

PLAN 3 - LOT 34

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

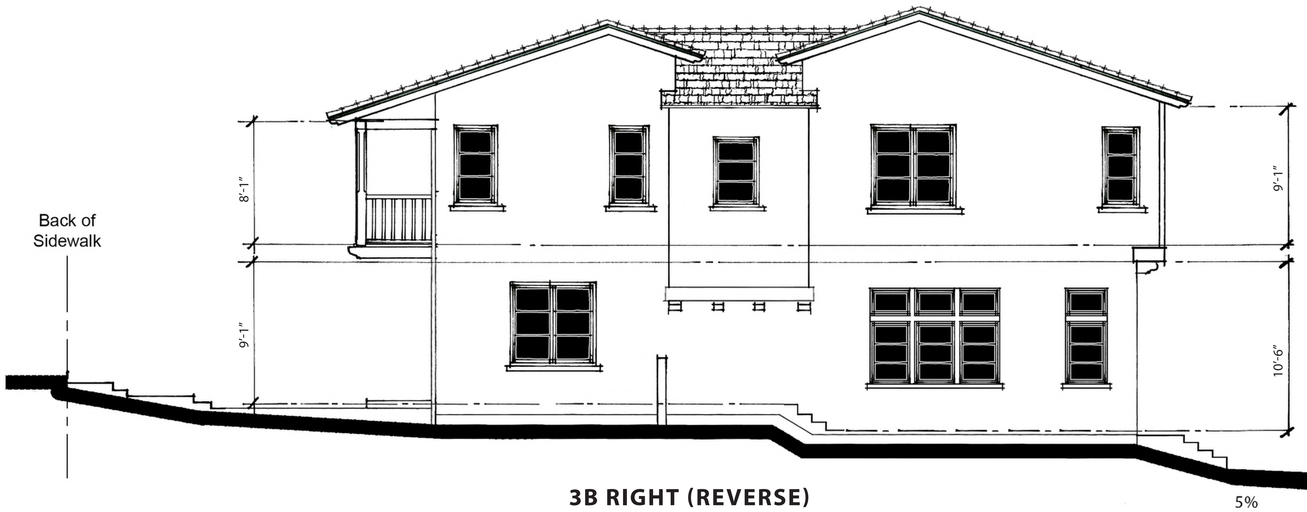
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

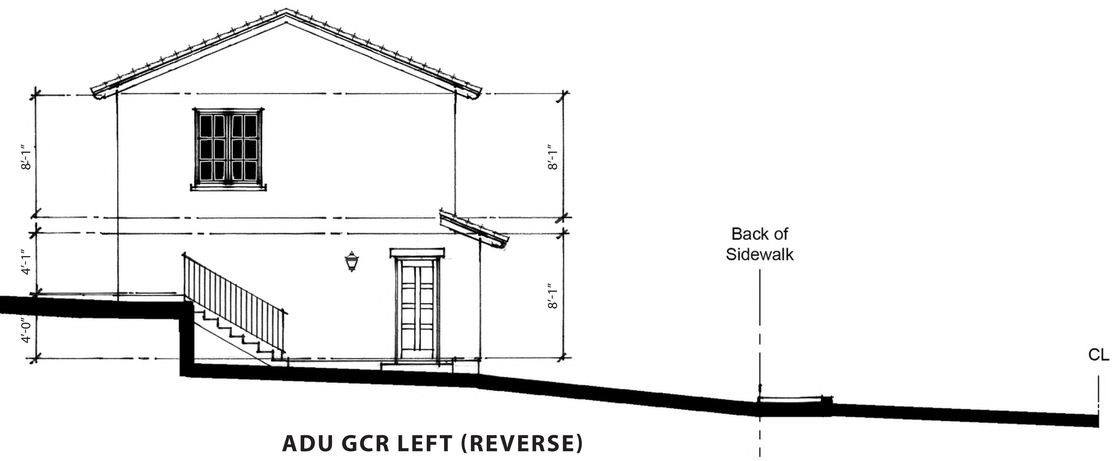
16035.01 10/16/19

RHA

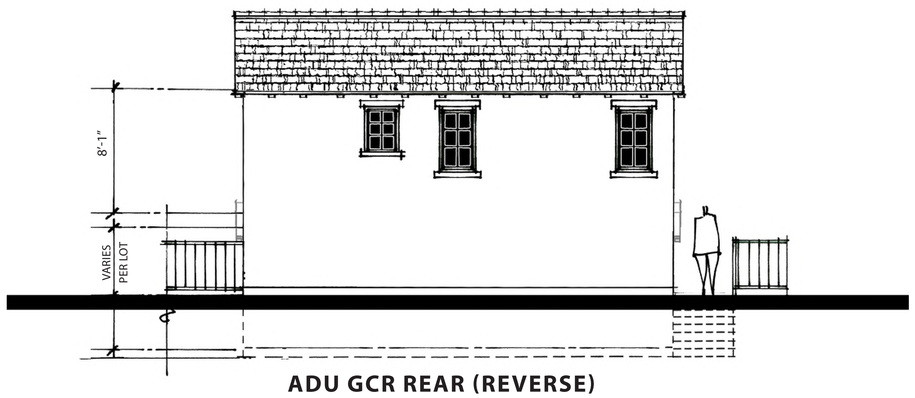
ROBERT HIDEY ARCHITECTS



3B RIGHT (REVERSE)



ADU GCR LEFT (REVERSE)



ADU GCR REAR (REVERSE)

ADU GCR FRONT (REVERSE)
SCHEME 8

PLAN 3 - LOT 34
NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

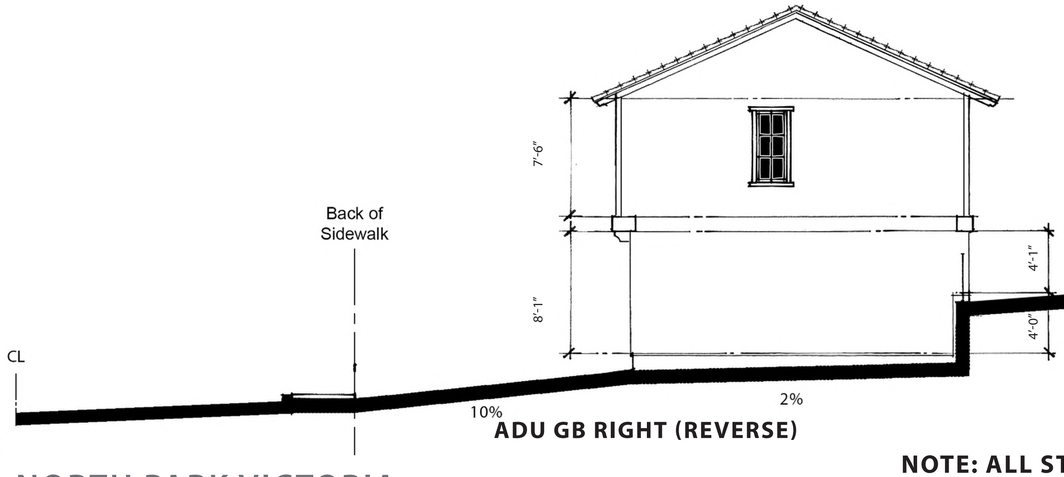
16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS

3C REAR (REVERSE)

3C FRONT (REVERSE)
SCHEME 2



ADU GB RIGHT (REVERSE)

3C LEFT (REVERSE)

PLAN 3 - LOT 35
NOTE: ALL STUCCO SHALL BE 20/30 FINISH

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

DESIGN FOCUS
LANDSCAPE

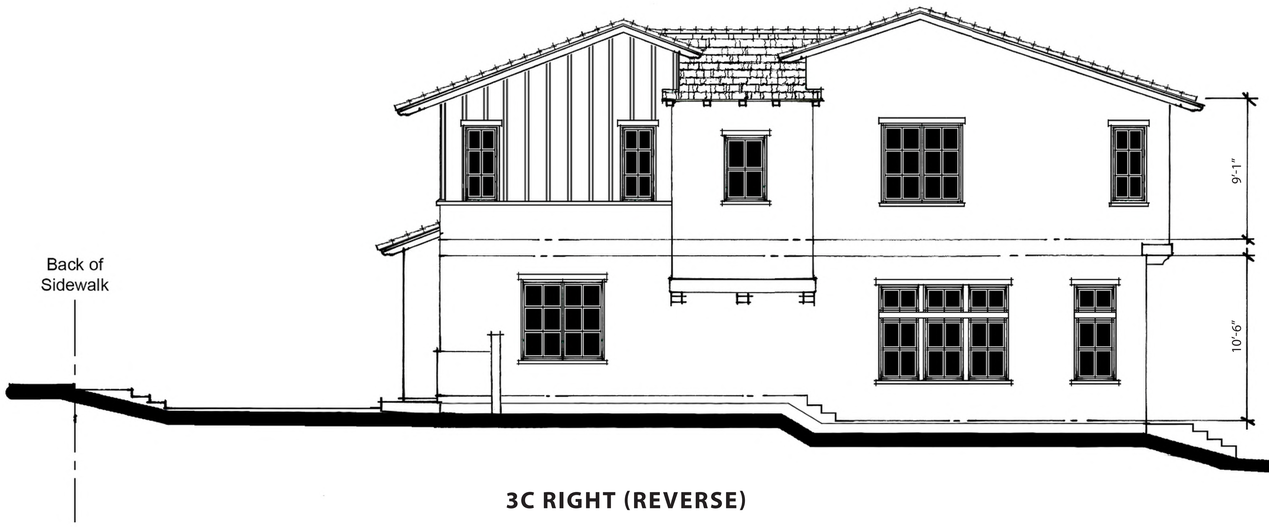
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

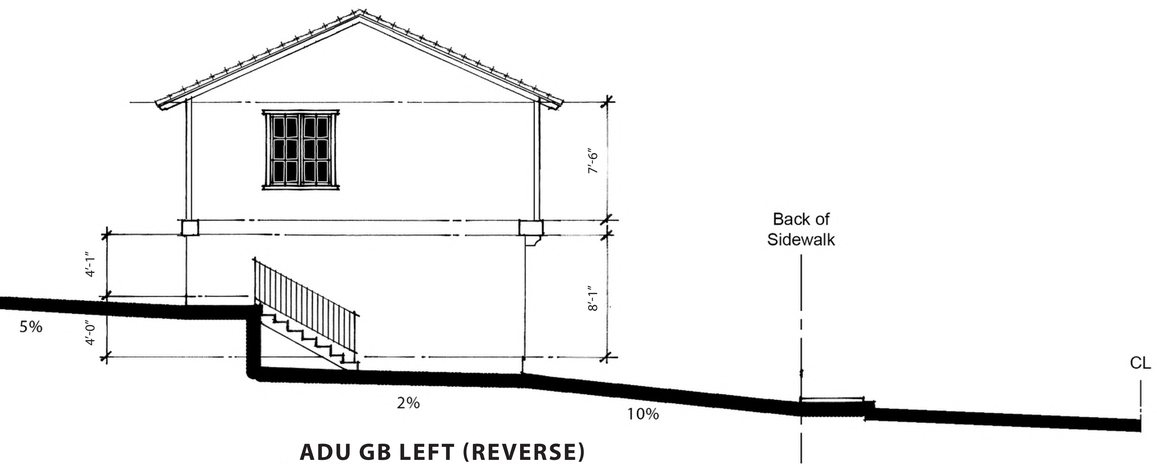
16035.01 10/16/19

RHA

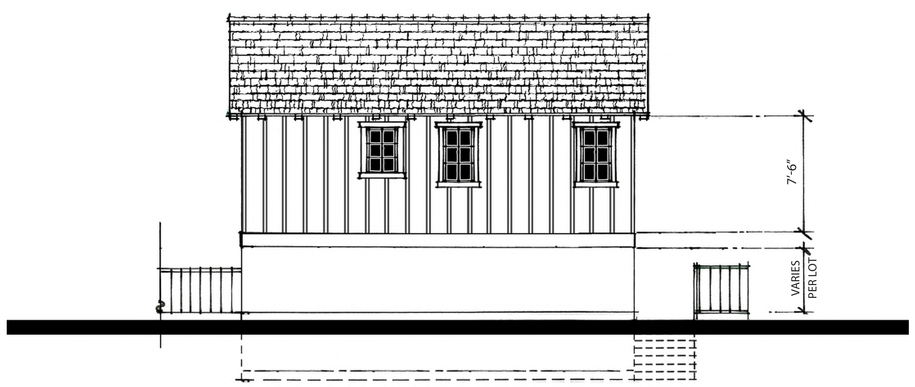
ROBERT HIDEY ARCHITECTS



3C RIGHT (REVERSE)



ADU GB LEFT (REVERSE)



ADU GB REAR (REVERSE)

ADU GB FRONT (REVERSE)
SCHEME 2

PLAN 3 - LOT 35

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

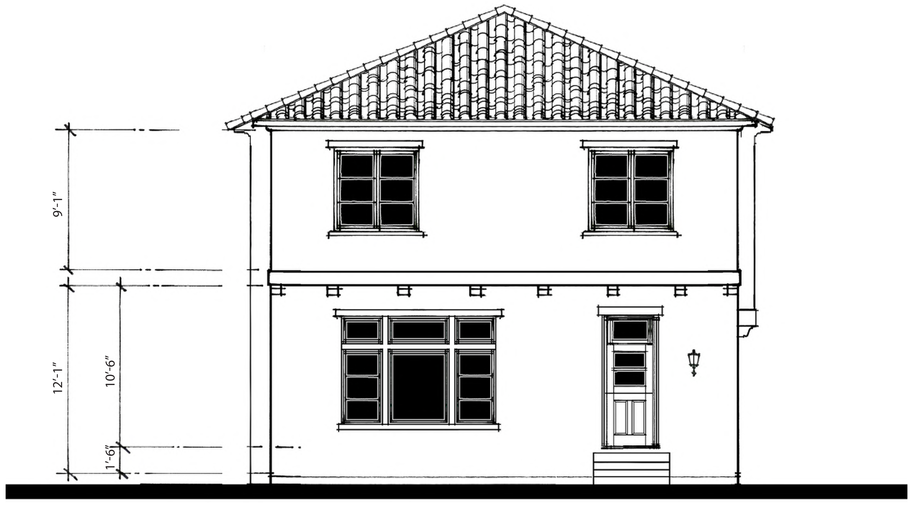
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

16035.01 10/16/19

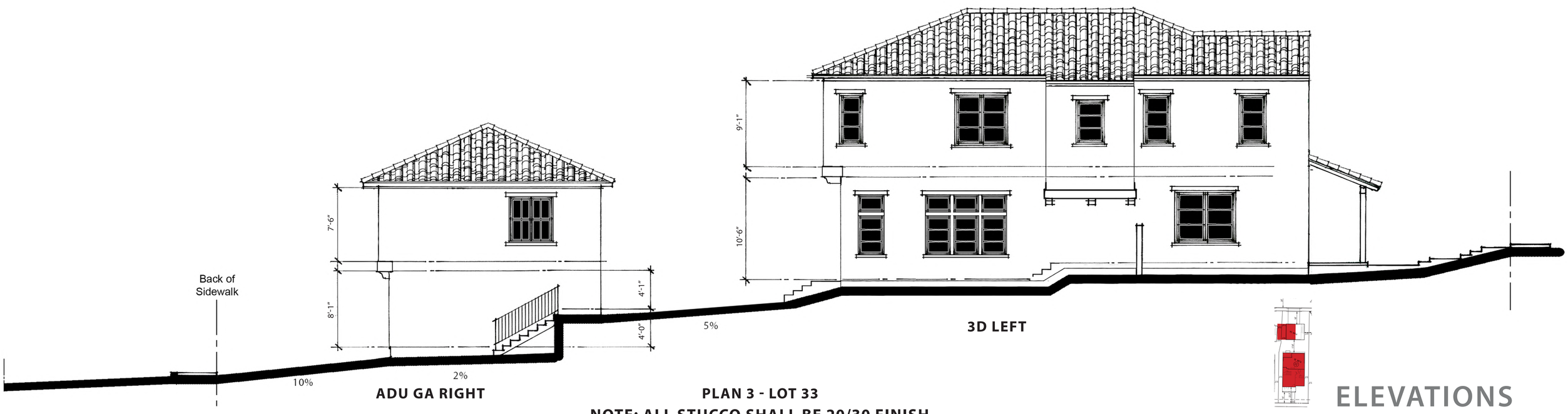
R H A

ROBERT HIDEY ARCHITECTS



3D REAR

3D FRONT
SCHEME 5



ADU GA RIGHT

3D LEFT

PLAN 3 - LOT 33
NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

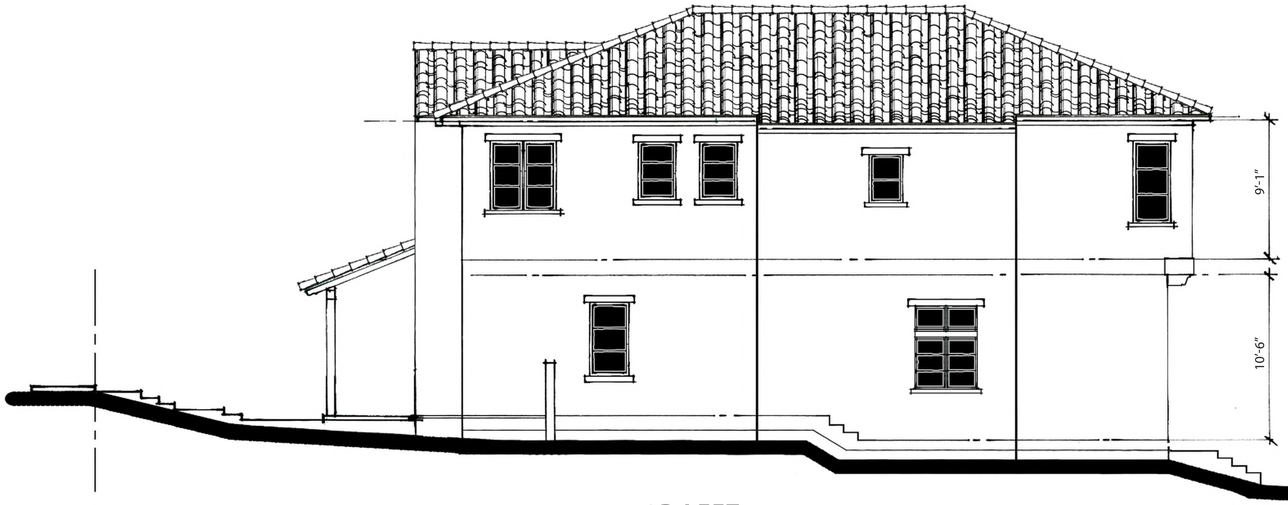
CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

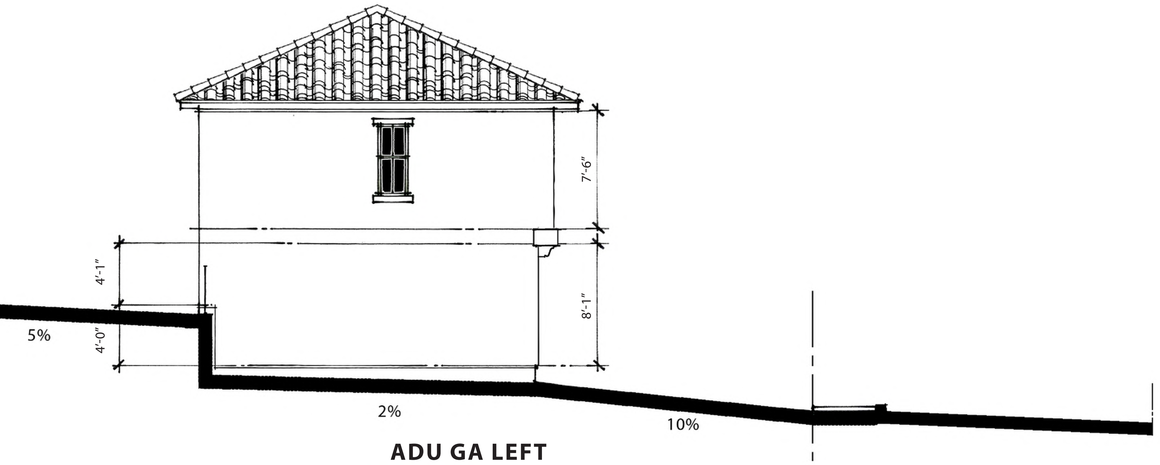
16035.01 10/16/19

R H A

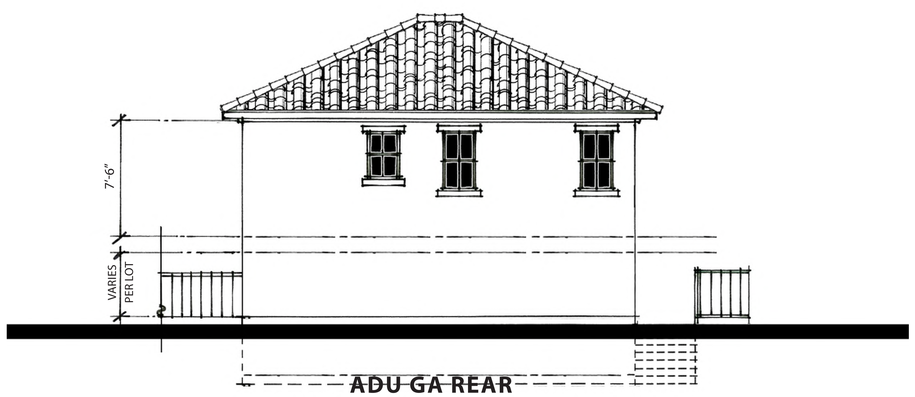
ROBERT HIDEY ARCHITECTS



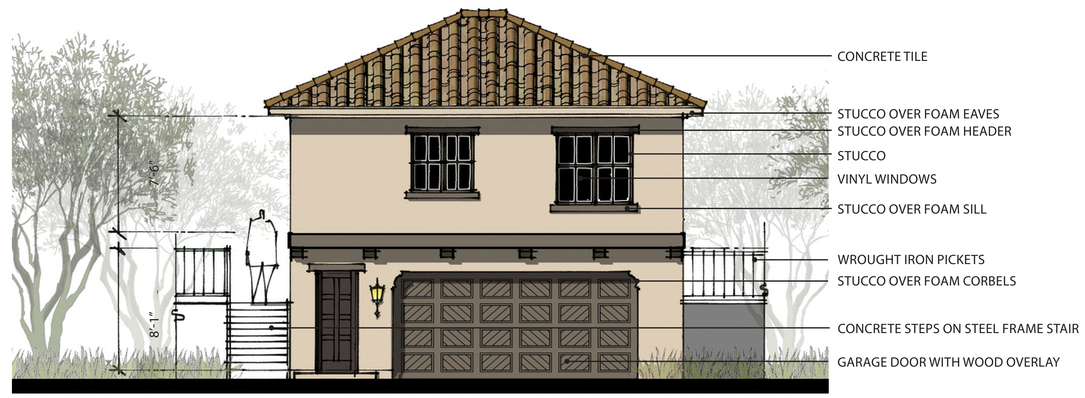
3D LEFT



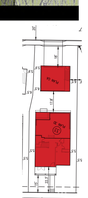
ADU GA LEFT



ADU GA REAR



ADU GA FRONT
SCHEME 5



PLAN 3 - LOT 33

NOTE: ALL STUCCO SHALL BE 20/30 FINISH

ELEVATIONS

0 1' 2' 4' 8'
SCALE: 1/4"=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

16035.01 10/16/19

R H A

ROBERT HIDEY ARCHITECTS

PLAN 3A
(LOT 36)

PLAN GA

PLAN 2D
(LOT 16)

PLAN 2C
(LOT 15)

SITE SECTION ' A'

0 4' 8' 16' 24'
SCALE: 3/32 "=1'-0"

NORTH PARK VICTORIA

MILPITAS, CALIFORNIA

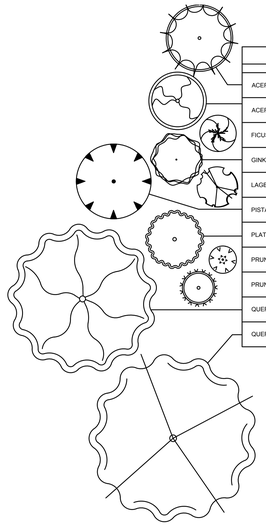
DESIGN FOCUS
LANDSCAPE

CIVIL ENGINEERING ASSOCIATES
CIVIL

ROBSON HOMES

16035.01 10/16/19

1090



SITE TREES				
NAME	COUNT	WUCOLS	SIZE	NOTES
ACER NEGUNDO 'SENSATION'	5	M	15G	
ACER PALMATUM 'RED EMPEROR'	1	M	15G	
FICUS CARICA 'BLACK MISSION'	1	M	24"	FRUITING FIG
GINKGO BILOBA 'FARMONT'	10	M	24"	
LAGERSTROEMIA X 'MUSKOGEE'	29	L	24"	STANDARD
PISTACIA CHINENSIS 'KEITH DAVEY'	21	L	24"	
PLATANUS X ACERIFOLIA 'COLUMBIA'	22	M	24"	
PRUNNUS ARMENIACA	1	M	24"	FRUITING APRICOT
PRUNUS DOMESTICA	1	M	24"	FRUITING PLUM
QUERCUS LOBATA	2	L	24"	CA NATIVE
QUERCUS ROBUR	2	M	24"	

NORTH PARK VICTORIA LEGEND		
	STEPPING STONE	20"X20"X3" THICK TUMBLED CAMERON LIGHT STONE, AVAILABLE AT PENINSULA BUILDING MATERIALS BRAD BULLOCK (408) 690-0348, SEE 2.1 DETAIL #6
	POT	
	FENCE	GOOD NEIGHBOR, SEE L2.1 DETAIL #2
	FENCE ON TOP OF WALL	GOOD NEIGHBOR, SEE L2.1 DETAIL #3
	ENCLOSURE WALL	STUCCO FACED, SEE L2.1 DETAIL #7
	LOW GARDEN WALL	WITH 32" WIDE GATE, SEE L2.1 DETAIL #4
	CMU RETAINING WALL	
	STUCCO SOUND WALL	7' TALL
	PEDESTRIAN GATE	GOOD NEIGHBOR, SEE L2.1 DETAIL #1
	BIORETENTION AREA	

LANDSCAPE AND IRRIGATION PLAN SHALL COMPLY WITH THE ENGINEERING PLANS AND MAP PROCEDURES AND GUIDELINES

NORTH PARK VICTORIA

1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

LAYOUT PLAN

DESIGN

PO BOX 485
BEN LOMOND, CA 95005
(831) 336-3100

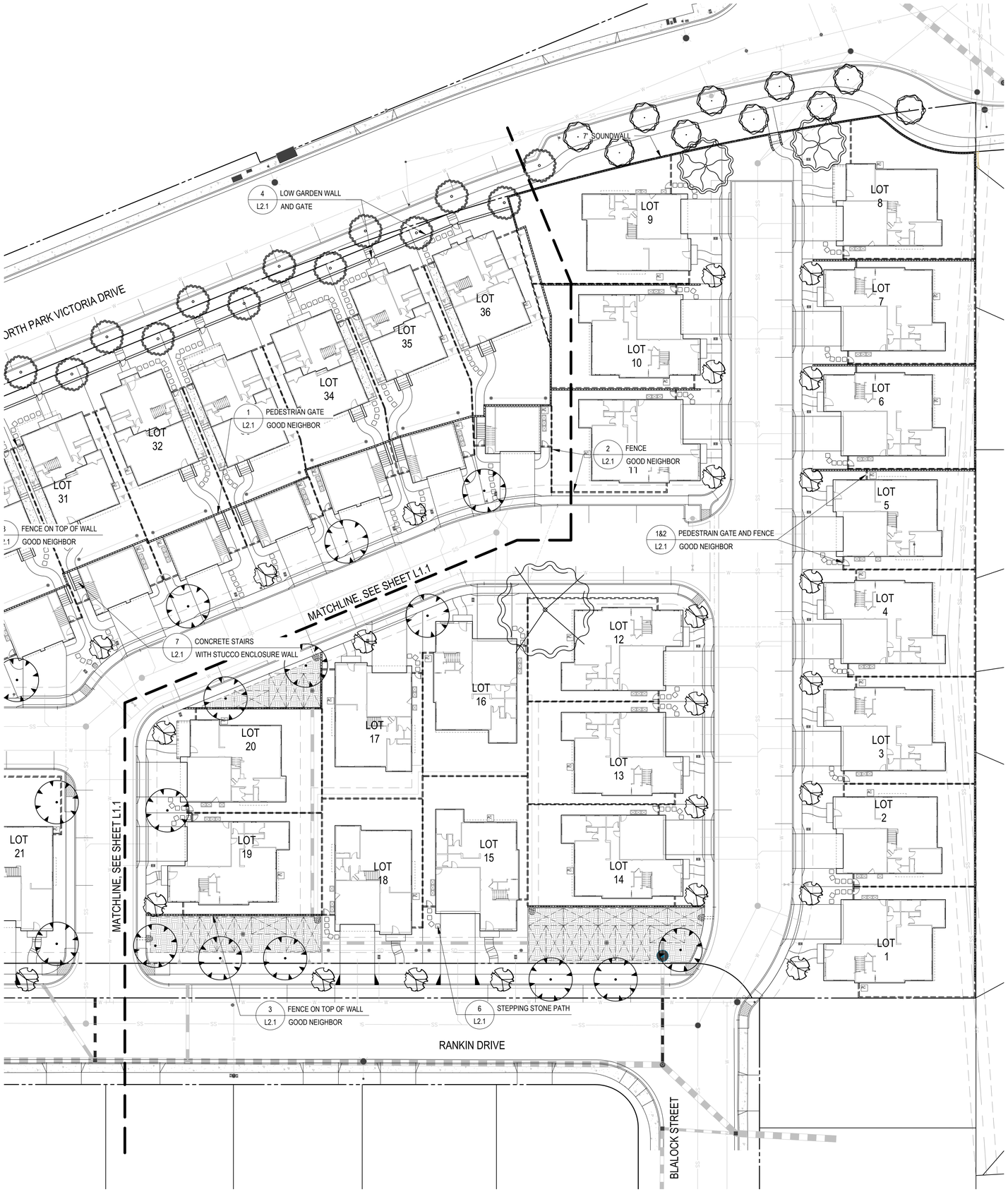
FOCUS

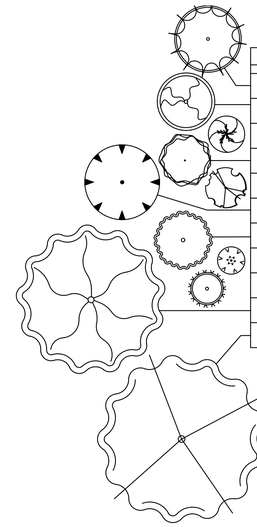
KEY MAP

REGISTERED LANDSCAPE ARCHITECT
REBECCA J. DYE
No. 3763
10/31/2018
STATE OF CALIFORNIA

REVISED: 10/29/2019
DESIGN BY: RJD
DRAWN BY: KH
SCALE: 1"=20'-0"

L1.1





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NAME	COUNT	WUCOLS	SIZE	NOTES
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PRUNUS DOMESTICA	1	M	24"	FRUITING PLUM
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NORTH PARK VICTORIA LEGEND		
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	POT	
	FENCE	GOOD NEIGHBOR, SEE L2.1 DETAIL #2
	FENCE ON TOP OF WALL	GOOD NEIGHBOR, SEE L2.1 DETAIL #3
	ENCLOSURE WALL	STUCCO FACED, SEE L2.1 DETAIL #7
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	CMU RETAINING WALL	
	STUCCO SOUND WALL	7' TALL
	PEDESTRIAN GATE	GOOD NEIGHBOR, SEE L2.1 DETAIL #1
	BIORETENTION AREA	

LANDSCAPE AND IRRIGATION PLAN SHALL COMPLY WITH THE ENGINEERING PLANS AND MAP PROCEDURES AND GUIDELINES

NORTH PARK VICTORIA
1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

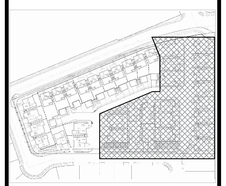
LAYOUT PLAN

DESIGN

PO BOX 485
BEN LOMOND, CA 95005
(831) 336-3100

FOCUS

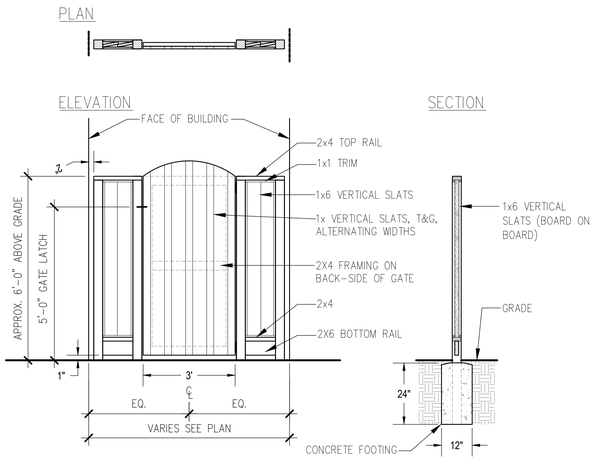
KEY MAP



REGISTERED LANDSCAPE ARCHITECT
REBECCA J. DYER
No. 3763
10/31/2018
STATE OF CALIFORNIA

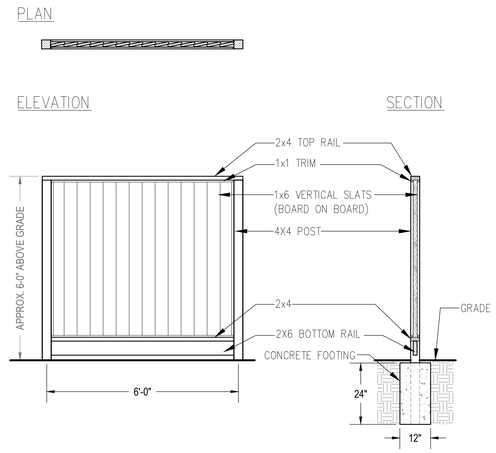
REVISED: 10/29/2019
DESIGN BY: RJD
DRAWN BY: KH
SCALE: 1"=20'-0"

L1.2



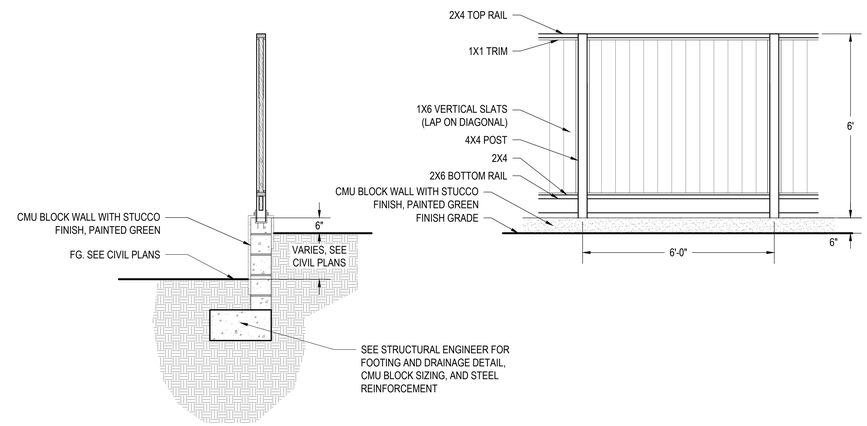
1 PEDESTRIAN GATE
GOOD NEIGHBOR

SCALE: 1/2"=1'-0"



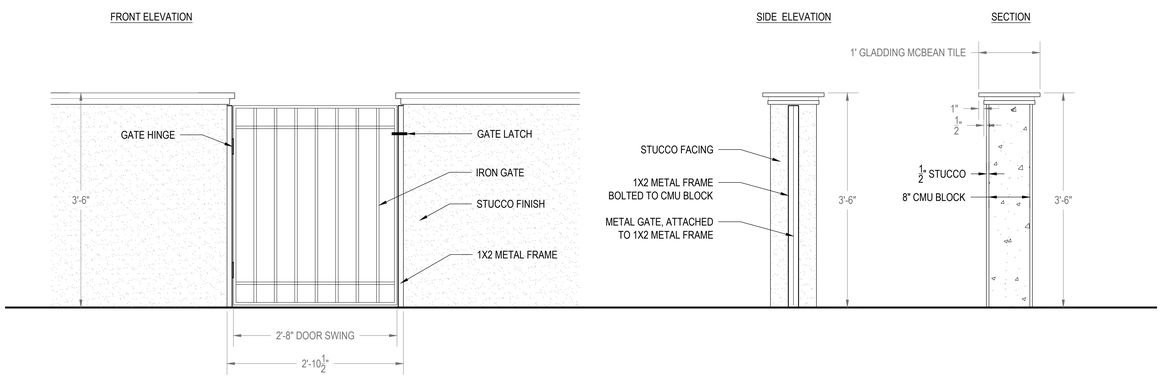
2 FENCE
GOOD NEIGHBOR

SCALE: 1/2"=1'-0"



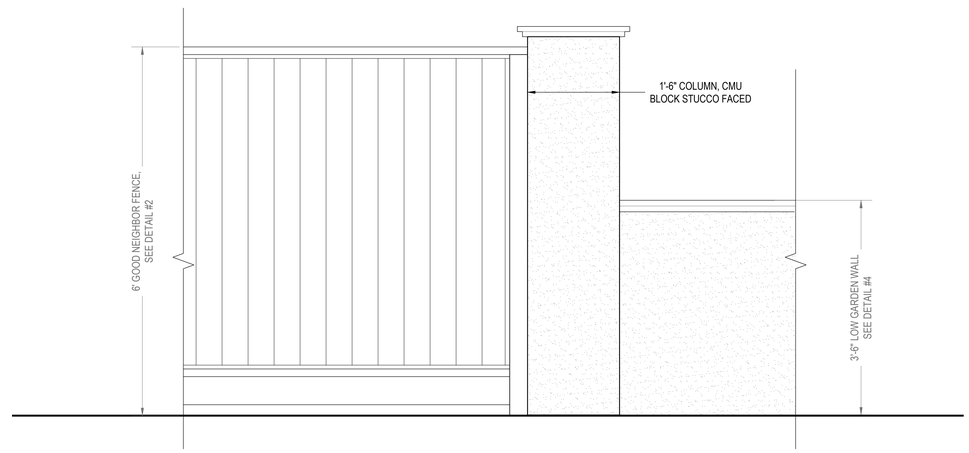
3 FENCE ON TOP OF WALL
GOOD NEIGHBOR

SCALE: 1/2"=1'-0"



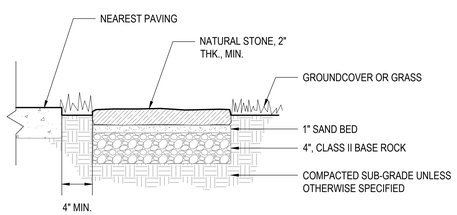
4 LOW GARDEN WALL
AND GATE

SCALE: 1"=1'-0"



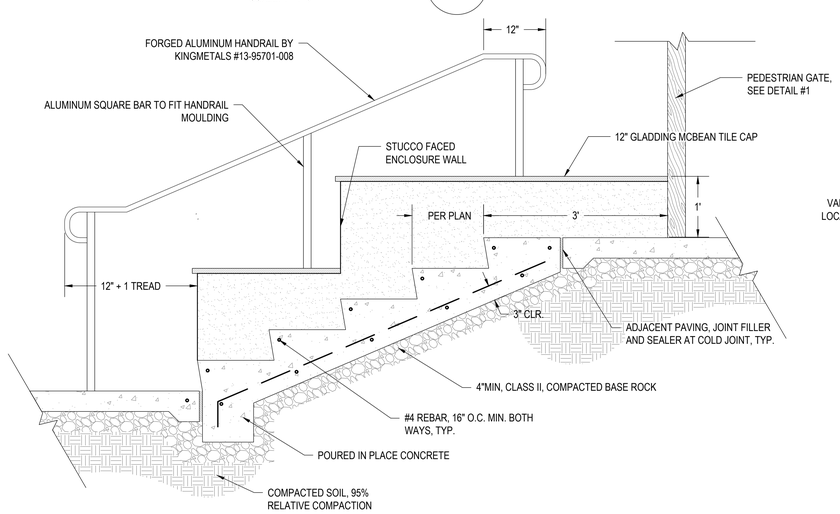
5 STUCCO COLUMN

SCALE: 1"=1'-0"

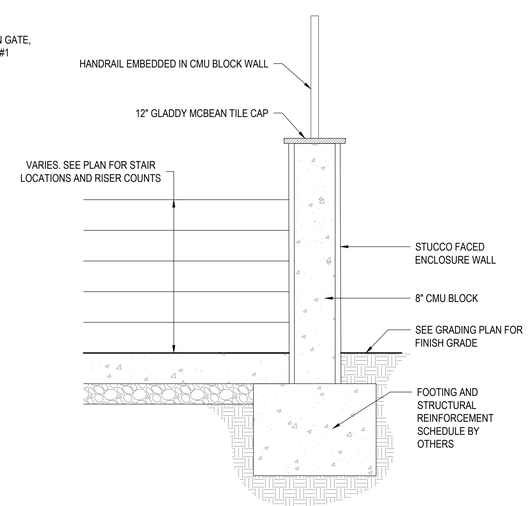


6 STEPPING STONE PATH

SCALE: 1-1/2"=1'-0"



7 CONCRETE STAIRS
WITH STUCCO ENCLOSURE WALL



SCALE: 1"=1'-0"

NORTH PARK VICTORIA
1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

LANDSCAPE DETAILS

DESIGN

PO BOX 485
BEN LOMOND, CA 95005
(831) 336-3100

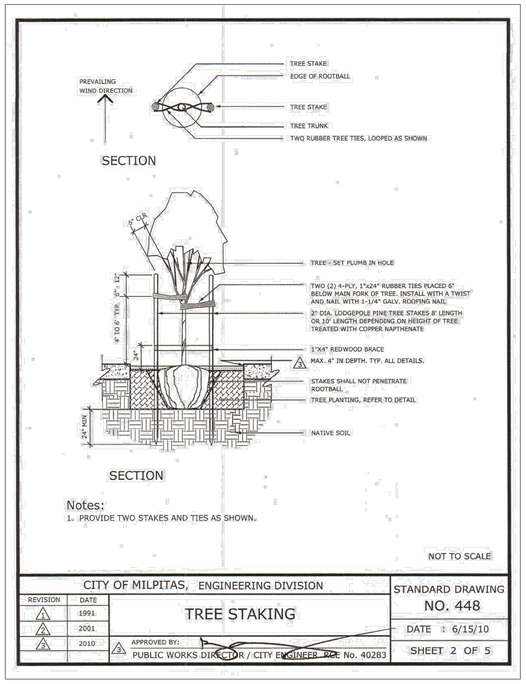
FOCUS

KEY MAP

REGISTERED LANDSCAPE ARCHITECT
REBECCA J. DYER
No. 3765
10/29/2018
STATE OF CALIFORNIA

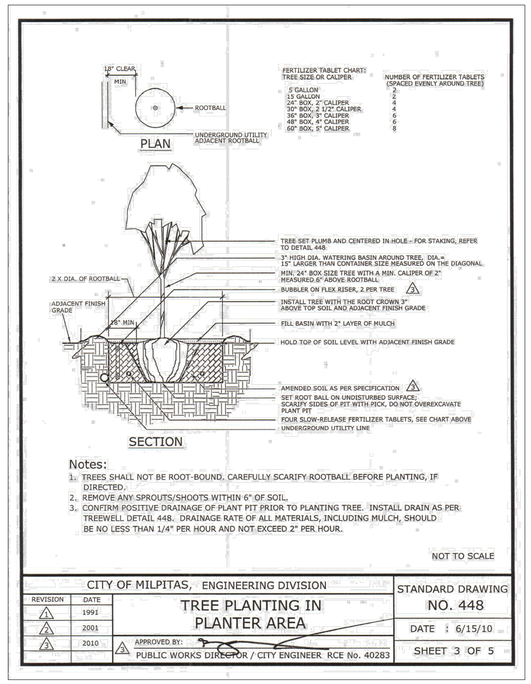
REVISED: 10/29/2019
DESIGN BY: RJD
DRAWN BY: KH
SCALE: AS NOTED

L2.1



1 TREE STAKING

SCALE: NTS



2 TREE IN PLANTER AREA

SCALE: NTS

NORTH PARK VICTORIA
1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

LANDSCAPE DETAILS

DESIGN

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REVISED: 10/29/2019
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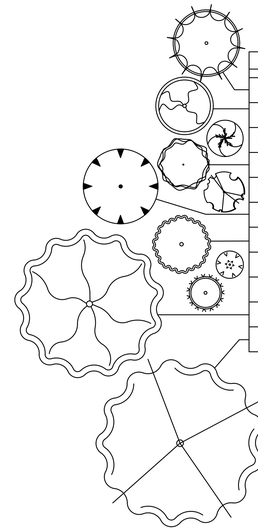
DRAWN BY: KH
SCALE: AS NOTED

L2.2

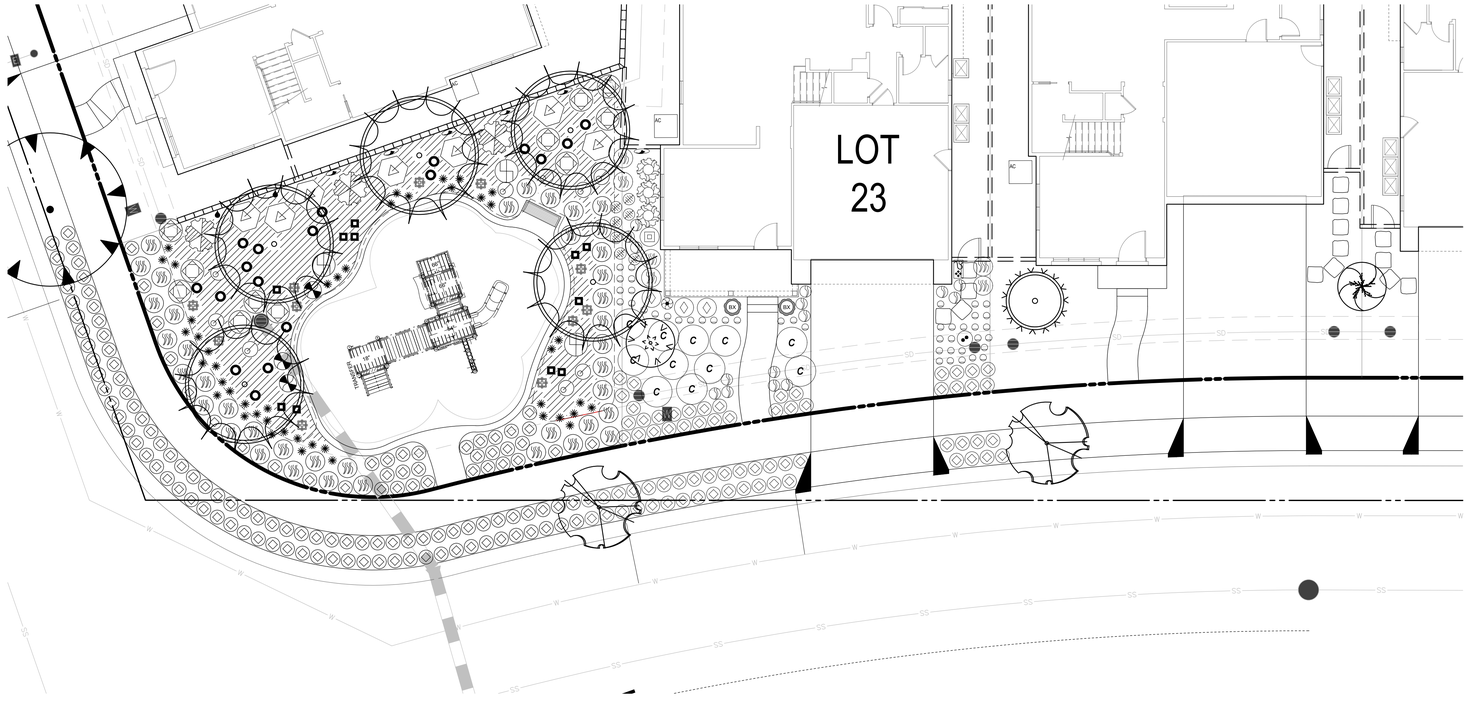
BIORETENTION & COMMON SPACE PLANTING				
NAME	COUNT	WUCOLS	SIZE	NOTES
AGAPANTHUS 'BABY PETE'	128	L	1G	18"O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
BUDDLEJA DAVIDII 'PETITE PLUM'	3	L	15G	
CANNA 'EREBUS'	9	M	5G	
CHONDROPETALUM TECTORUM 'EL CAMPO'	11	M	5G	LOW WATER ACCORDING TO L.A. EXPERIENCE
CORNUS STOLONIFERA	7	H	5G	
DATURA WHITE	3	M	5G	
DISTICTIS BUCCINATORIA	5	M	5G	BLOOD RED TRUMPET VINE
FICUS PUMILA	2	M	5G	REMOVE FROM STAKE & OUT TO GROUND, LOW WATER ONCE ESTABLISHED
HEMEROCALLIS 'AZTEC CHALICE'	11	M	1G	2"O.C.
HEMEROCALLIS 'CRANBERRY BABY'	45	M	1G	18" O.C.
IRIS ENSATA 'BENI BOTAN'	11	H	1G	
LOMANDRA LONGIFOLIA BREEZE	40	L	1G	
MIMULUS GUTTATUS	18	H	1G	
PENSTEMON X GLOXINIOIDES 'MIDNIGHT'	3	L	1G	LOW WATER ACCORDING TO L.A. EXPERIENCE

NO MOW FESCUE

TYPICAL LOT PLANTING - ATTACHED GARAGE				
NAME	COUNT	WUCOLS	SIZE	NOTES
AGAPANTHUS 'BABY PETE'	69	L	1G	18"O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
BOUGAINVILLEA 'BARBARA KARST-TRACHELOSPERMUM JASMINOIDES	1	L/M	15G/5G	15G BOUGAINVILLEA AND 5GJASMINE STAKED
BUXUS "GREEN BEAUTY" 15G	2	M	15G	
CAREX DIVULSA	7	L	1G	
COTONEASTER DAMMERI 'LOWFAST'	11	L	1G	48"O.C.
DISTICTIS BUCCINATORIA	1	L	5G	BLOOD RED TRUMPET VINE. LOW WATER ACCORDING TO L.A. EXPERIENCE
EUONYMUS JAPONICUS 'GREEN SPIRE'	3	L	3' O.C.	
GERANIUM X 'ROZANNE'	43	L	1G	18"O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
KNIPHOFIA 'CHRISTMAS CHEER'	1	L	5G	LOW WATER ACCORDING TO L.A. EXPERIENCE
LIMONIUM PEREZII	15	L	1G	
LOMANDRA LONGIFOLIA BREEZE	6	L	1G	
ROSA 'FLOWER CARPET WHITE'	3	L	2G	30"O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
WISTERIA SINENSIS 'COOKE'S SPECIAL'	1	M	5G	
YUCCA GLORIOSA	1	L	5G	



SITE TREES				
NAME	COUNT	WUCOLS	SIZE	NOTES
ACER NEGUNDO 'SENSATION'	5	M	15G	
ACER PALMATUM 'RED EMPEROR'	1	M	15G	
FICUS CARICA 'BLACK MISSION'	1	M	24"	FRUITING FIG
GINKGO BILOBA 'FAIRMONT'	10	M	24"	
LAGERSTROEMIA X 'MUSKOGEE'	29	L	24"	STANDARD
PISTACIA CHINENSIS 'KEITH DAVEY'	21	L	24"	
PLATANUS X ACERIFOLIA 'COLUMBIA'	22	M	24"	
PRUNNUS ARMENIACA	1	M	24"	FRUITING APRICOT
PRUNUS DOMESTICA	1	M	24"	FRUITING PLUM
QUERCUS LOBATA	2	L	24"	CA NATIVE
QUERCUS ROBUR	2	M	24"	



NOTE: PLANTING AND IRRIGATION WILL COMPLY WITH MWELO REQUIREMENTS

NORTH PARK VICTORIA
1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

TYPICAL PLANTING PLAN - BIORETENTION AND ATTACHED GARAGE UNIT

DESIGN

PO BOX 485
BEN LOMOND, CA 95005
(831) 336-3100

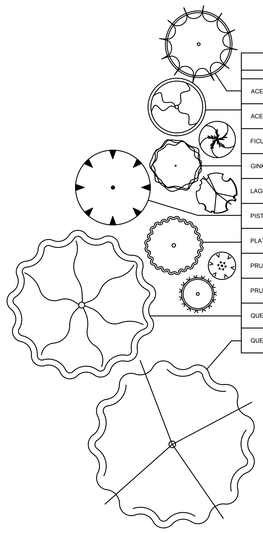
FOCUS

KEY MAP

REGISTERED LANDSCAPE ARCHITECT
REBECCA J. DYER
No. 3763
10/29/2018
STATE OF CALIFORNIA

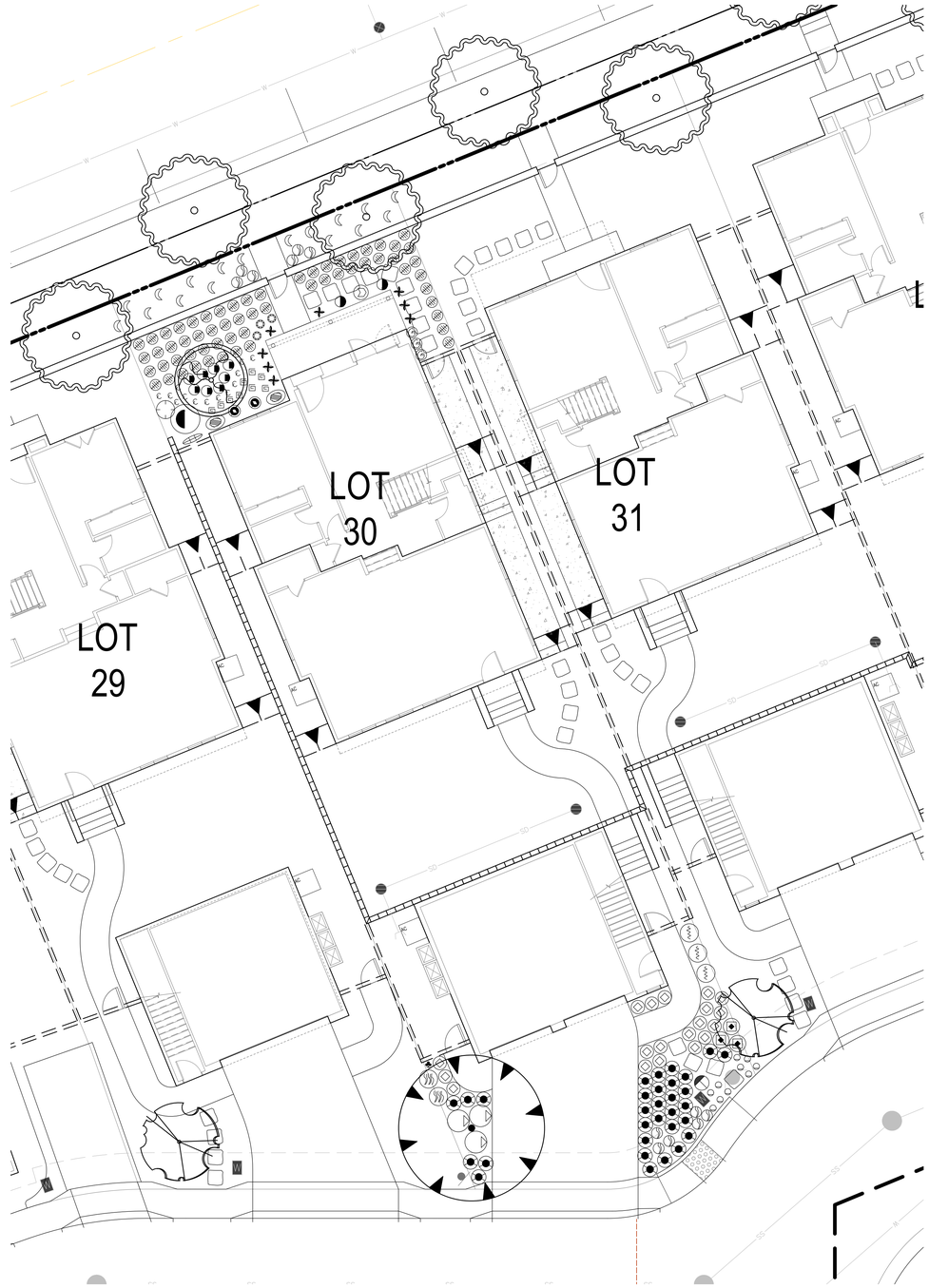
REVISED: 10/29/2019
DESIGN BY: RJD
DRAWN BY: KH, GEM
SCALE: $\frac{1}{8}$"=1'-0"

L3.1



SITE TREES				
NAME	COUNT	WUCOLS	SIZE	NOTES
ACER NEGUNDO 'SENSATION'	5	M	15G	
ACER PALMATUM 'RED EMPEROR'	1	M	15G	
FICUS CARICA 'BLACK MISSION'	1	M	24"	FRUITING FIG
GINKGO BILOBA 'FAIRMONT'	10	M	24"	
LAGERSTROEMIA X 'MUSKOGEE'	29	L	24"	STANDARD
PISTACIA CHINENSIS 'KEITH DAVEY'	21	L	24"	
PLATANUS X ACERIFOLIA 'COLUMBIA'	22	M	24"	
PRUNNUS ARMENIACA	1	M	24"	FRUITING APRICOT
PRUNUS DOMESTICA	1	M	24"	FRUITING PLUM
QUERCUS LOBATA	2	L	24"	CA NATIVE
QUERCUS ROBUR	2	M	24"	

TYPICAL LOT PLANTING - DETACHED GARAGE				
NAME	COUNT	SIZE	WUCOLS	NOTES
AGAPANTHUS 'BABY PETE'	19	1G	L	18"O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
ARCTOSTAPHYLOS 'PACIFIC MIST'	17	1G	VL	3' O.C.
CAMELLIA JAPONICA 'NUCCIO'S PEARL'	2	15G	M	
CAREX DIVULSA	61	1G	L	
CLEMATIS 'JACKMANII'	1	5G	L	LOW WATER ACCORDING TO L.A. EXPERIENCE
ERIGERON KARVINSKIANUS 'MOERHEIMII'	31	1G	L	
GERANIUM X CANTABRIGIENSE 'BIOKOVO'	13	1G	L	15"O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
GERANIUM X 'ROZANNE'	10	1G	L	LOW WATER ACCORDING TO L.A. EXPERIENCE
HARDENBERGIA VIOLACEA 'HAPPY WANDERER'	1	5G	M	
HELLEBORES ' SPARKLING DIAMOND'	3	1G	L	18" O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
HESPERALOE PARVIFLORA	1	5G	VL	
HEUCHERA MAXIMA	3	1G	L	18" O.C. LOW WATER ACCORDING TO L.A. EXPERIENCE
HYDRANGEA ARBORESCENS 'ANNABELLE'	1	5G	L	LOW WATER ACCORDING TO L.A. EXPERIENCE
HYDRANGEA MACROPHYLLA 'BAILMER'	2	5G	M	
IRIS DOUGLASIANA	9	1G	L	CA NATIVE
LIMONIUM PEREZII	12	1G	L	
LOMANDRA LONGIFOLIA BREEZE	2	1G	L	
MUHLENBERGIA RIGENS	3	5G	L	CA NATIVE
NEPHROLEPIS CORDIFOLIA	8	5G	M	
RIBES SANGUINEUM 'CLAREMONT'	1	5G	L	
SALVIA LEUCANTHA	3	1G	L	
SALVIA SPATHACEA	8	1G	L	CA NATIVE
SARCOCOCCA RUSCIFOLIA	2	5G	L	
STIPA GIGANTEA	3	1G	L	LOW WATER ACCORDING TO L.A. EXPERIENCE
VACCINIUM OVATUM	1	5G	L	CA NATIVE



NOTE: PLANTING AND IRRIGATION WILL COMPLY WITH MWELO REQUIREMENTS

NORTH PARK VICTORIA
1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

TYPICAL PLANTING PLAN - DETACHED GARAGE UNIT

DESIGN

PO BOX 485
BEN LOMOND, CA 95005
(831) 336-3100

FOCUS

KEY MAP

REGISTERED LANDSCAPE ARCHITECT
REBECCA J. DYER
No. 3763
10/29/2018
STATE OF CALIFORNIA

REVISED: 10/29/2019
DESIGN BY: RJD
DRAWN BY: KH, GEM
SCALE: $\frac{1}{8}$"=1'-0"

L3.2

HYDROZONE INFORMATION TABLE				
WATER USE	ZONE/VALVE	IRRIGATION METHOD	AREA (SQ.FT.)	% OF LANDSCAPE AREA
LOW WATER USE	N/A	DRIP	30,235	77.3%
MEDIUM WATER USE	N/A	DRIP	8,851	22.7%
HIGH WATER USE	N/A	N/A	0	0
TOTAL	N/A	DRIP	39,086	100%

LOW WATER USE

MEDIUM WATER USE

HIGH WATER USE

NORTH PARK VICTORIA

1005 NORTH PARK VICTORIA DRIVE
MILPITAS, CA 95035

HYDROZONE

DESIGN

PO BOX 485
BEN LOMOND, CA 95005
(831) 336-3100

FOCUS

KEY MAP

REGISTERED LANDSCAPE ARCHITECT
REBECCA J. DYE
No. 3763
10/31/2018
STATE OF CALIFORNIA

REVISED: 10/29/2019
DESIGN BY: RJD
DRAWN BY: KH/RL
SCALE: 1"=30'-0"

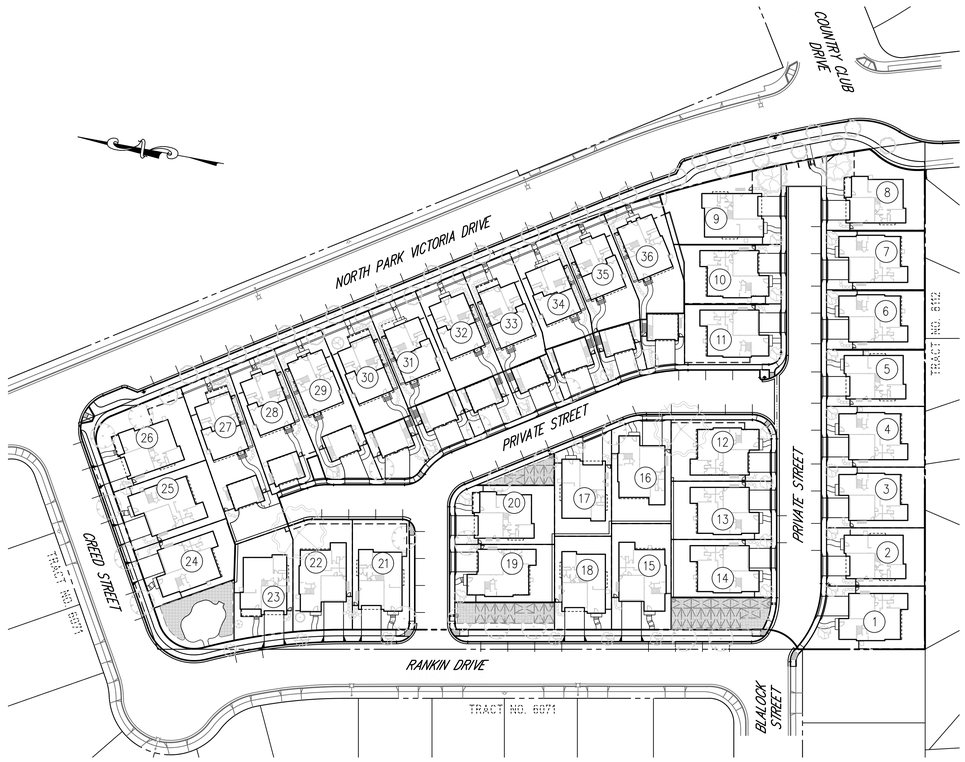
L4.1

1005 N. PARK VICTORIA DRIVE

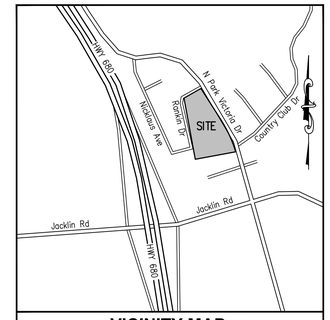
MILPITAS CALIFORNIA

LEGEND

TO BE CONSTRUCTED	EXISTING	DESCRIPTION
		BOUNDARY
		PROPERTY LINE
		RIGHT OF WAY
		CENTER LINE
		EASEMENT LINE
		CURB, GUTTER, SIDEWALK & DRIVEWAY
		EDGE OF PAVEMENT
SS	EXSS	SANITARY SEWER PIPE & MANHOLE
SD	EXSD	STORM DRAIN PIPE & MANHOLE
WT W	EXWT W	WATER MAIN & VALVE
RW RW	EXRW RW	RECYCLED WATER MAIN & VALVE
OH	OH	OVERHEAD LINE
		CURB INLET
		FIELD INLET
SD SD	SD SD	AREA DRAIN PIPE & AREA DRAIN
		FIRE HYDRANT
W ARV	W ARV	WATER METER & AIR RELEASE VALVE
		POWER POLE
		ELECTROLIER
		SURVEY MONUMENT
		SIGN
0.5%	0.5%	DIRECTION OF FLOW & GRADIENT
		DIRECTION OF FLOW
		DIRECTION OF OVERLAND RELEASE PATH
		CURB RAMP
		STORMWATER TREATMENT PLANTER
		CURB TRANSITION
		RETAINING WALL



KEY MAP
SCLAE: 1"=50'



VICINITY MAP

ABBREVIATIONS

AB	AGGREGATE BASE	GV	GAS VALVE
AC	ASPHALT CONCRETE	HP	HIGH POINT
AD	AREA DRAIN	IM	IMAGE
AP	ANGLE POINT	INT	INTERSECTION
APN	ASSESSORS PARCEL NUMBER	INV	INVERT
ARV	AIR RELEASE VALVE	IP	IRON PIPE
ASB	AGGREGATE SUBBASE	JP	JOINT POLE
BK	BOOK	LAT	LATERAL
BW	BOTTOM OF WALL	JT	JOINT TRENCH
B/W	BACK OF WALK	LAT	LATERAL
BFP	BACK FLOW PREVENTOR	LP	LOW POINT
BOL	BOLLARD	MH	MANHOLE
BOV	BLOW-OF-VALVE	M	MAPS
BLDG	BUILDING	MEAS	MEASURED
BRK	BRICK	MON	MONUMENT
BS	BOTTOM OF STEP	OR	OFFICIAL RECORDS
C&G	CURB & GUTTER	P	PAD
CB	CATCH BASIN	PG	PAGE
CEN	CENTER	PKG	PARKING
CL	CENTERLINE	PLNT	PLANTER
CLF	CHAIN LINK FENCE	PT	POINT
CO	CLEAN OUT	PIV	POST INDICATOR VALVE
CONC	CONCRETE	PL	PROPERTY LINE
CONST	CONSTRUCT	PP	POWER POLE
COR	CORNER	PS	PROTECTIVE SLOPE
CR	CURB RAMP	PVC	POLYVINYL CHLORIDE PIPE
DC	DEPRESSED CURB	RC	ROLLED CURB
DI	DRAINAGE INLET	RCE	REGISTERED CIVIL ENGINEER
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RE	REEL
DBL	DOUBLE	RW	RECYCLED WATER
DS	DOWNSPOUT	R/W	RIGHT OF WAY
DW	DRIVEWAY	SD	STORM DRAIN
ESMT	EASEMENT	SER	SERVICE
ELEC	ELECTRICAL	SS	SANITARY SEWER
ELECT	ELECTROLIER	STB	STREET LIGHT BOX
ENCL	ENCLOSURE	STD	STANDARD
ENCR	ENCROACHING	SQ	SQUARE
EP	EDGE OF PAVEMENT	S/W	SIDEWALK
ER	END OF RETURN	TC	TOP OF CURB
EVA	EMERGENCY VEHICLE ACCESS	TDC	TOP OF DEPRESSED CURB
EX	EXISTING	TEL	TELEPHONE
FB	FLUSH BAND	TG	TOP OF GUTTER
FD	FOUND	TRC	TOP OF ROLLED CURB
FDC	FIRE DEPARTMENT CONNECTION	TS	TOP STEP
FC	FACE OF CURB	TSB	TRAFFIC SIGNAL BOX
FEN	FENCE	TW	TOP OF WALL
FF	FINISH FLOOR	TYP	TYPICAL
FG	FINISH GRADE	UB	UTILITY BOX
FH	FIRE HYDRANT	UTIL	UTILITY
FI	FIELD INLET	VCP	VITRIFIED CLAY PIPE
FL	FLOWLINE	VLT	VAULT
FS	FIRE SERVICE	WB	WATER BOX
F/W	FRONT OF WALK	WM	WATER METER
GB	GRADE BREAK	WT	WATER
GFF	GARAGE FINISH FLOOR	WV	WATER VALVE
GL	GARAGE LIP	WD	WOOD
GRT	GRATE	XING	CROSSING

SHEET INDEX

CIVIL
C1 COVER SHEET
C2 EXISTING TOPOGRAPHY AND DEMOLITION PLAN
C3 PRELIMINARY SITE PLAN
C4 PRELIMINARY GRADING AND DRAINAGE PLAN
C5 PRELIMINARY UTILITY PLAN
C6 STORMWATER MANAGEMENT PLAN
C7 STORMWATER MANAGEMENT DETAILS
C8 SITE SECTIONS AND DETAILS
C9 SOLID WASTE HANDLING PLAN
C10 FIRE TRUCK ACCESS PLAN

ARCHITECTURAL
A1 COVER SHEET
A2 PLAN 1 – FLOOR PLANS
A3 PLAN 1X – FLOOR PLANS
A4 PLAN 1 – ROOF PLANS 'D', 'DX'
A5 PLAN 1 – EXTERIOR ELEVATIONS 'D'
A6 PLAN 1X – EXTERIOR ELEVATIONS 'D'
A7 PLAN 2 – FLOOR PLANS – BASE PLANS
A8 PLAN 2 – FLOOR PLANS – PARTIAL PLANS 'C' & 'D'
A9 PLAN 2 – ROOF PLANS 'A', 'C', 'D'
A10 PLAN 2 – EXTERIOR ELEVATIONS 'A'
A11 PLAN 2 – EXTERIOR ELEVATIONS 'C'
A12 PLAN 2 – EXTERIOR ELEVATIONS 'D'
A13 PLAN 3 – FLOOR PLANS – BASE PLANS
A14 PLAN 3 – FLOOR PLANS – PARTIAL PLANS 'B', 'C' & 'D'
A15 PLAN 3 – ROOF PLANS 'A' & 'B'
A16 PLAN 3 – ROOF PLANS 'C' & 'D'
A17 ADU – FLOOR PLANS 'GA', 'GB', 'GC'
A18 ADU – ROOF PLANS 'GA', 'GB', 'GC'
A19 PLAN 3 – EXTERIOR ELEVATIONS 3A WITH GA AT LOT 36
A20 PLAN 3 – EXTERIOR ELEVATIONS 3A WITH GA AT LOT 36
A21 PLAN 3 – EXTERIOR ELEVATIONS 3B WITH GC AT LOT 34
A22 PLAN 3 – EXTERIOR ELEVATIONS 3B WITH GC AT LOT 34
A23 PLAN 3 – EXTERIOR ELEVATIONS 3C WITH GB AT LOT 35
A24 PLAN 3 – EXTERIOR ELEVATIONS 3C WITH GB AT LOT 35
A25 PLAN 3 – EXTERIOR ELEVATIONS 3D WITH GA AT LOT 33
A26 PLAN 3 – EXTERIOR ELEVATIONS 3D WITH GA AT LOT 33
A27 SITE SECTION 'A'

LANDSCAPE
L1.1 LAYOUT PLAN
L1.2 LAYOUT PLAN
L2.1 LANDSCAPE DETAILS
L2.2 LANDSCAPE DETAILS
L3.1 TYPICAL PLANTING PLAN – BIORETENTION AND ATTACHED GARAGE UNIT
L3.2 TYPICAL PLANTING PLAN – DETACHED GARAGE UNIT
L4.1 HYDROZONE

	Required	Provided	Notes
XI-10-53.09 - Off-Street Parking Required by Land Use			
Table 53.09 - Number of parking spaces required			
I. Residential Uses			
Single Family and Duplexes:			
4 or more bedrooms - 3 per unit, plus 1 per each additional bedroom	108	143	143 spaces breakdown - 2x covered plus 2x driveway parking spaces for 35 lots and 2x covered plus 1x private parking stall for 1 lot
Guest Parking - projects w/ private garages:			
20% of the total required, may be uncovered	21.6	24	24x guest parking stalls w/in the private street. This guest parking count does not include the 33x new public street parking spaces created along the project's street frontages on Rankin, Creed and North Park Victoria Drive
XI-10-13.08 - Accessory Dwelling Units			
4.a.i. Parking:			
The owner must provide one additional off-street parking space for the accessory dwelling unit unless the accessory unit is located within one-half mile of public transit	0	0	VTA Bus #46 stops on Jacklin/Hwy 680 and N. Park Victoria Drive, between Daniel Court and Calle Oriente are within one-half mile of the project site

CITY OF MILPITAS MUNICIPAL CODE PARKING REQUIREMENTS

PROJECT INFORMATION:

THE PROJECT IS LOCATED IN AN AREA WITH THE FLOOD ZONE DESIGNATION OF "X". WHICH IS AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAN.

BENCHMARK:

THE BENCHMARK FOR THIS PROJECT IS THE CITY OF MILPITAS BENCHMARK ID "CRE-NPV." IT IS A BRASS DISC IN THE MONUMENT WELL AT THE INTERSECTION OF CREED STREET AND NORTH PARK VICTORIA DRIVE.
ELEVATION=35.218 (NGVD29).
ELEVATION=37.958 (NAVD 89).
ALL ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON THE NGVD29 DATUM. TO CONVERT PLAN ELEVATIONS TO NAVD89, ADD 2.74'.

BASIS OF BEARINGS:

THE BEARING NORTH 10°27'28"W OF THE MONUMENT LINE OF RANKIN DRIVE AS SHOWN UPON THAT CERTAIN TRACT MAP ENTITLED "TRACT NO. 6071" IN BOOK 429 OF MAPS PAGES 6-8 RECORDS OF SANTA CLARA COUNTY, CALIFORNIA WAS TAKEN AS THE BASIS OF ALL BEARINGS SHOWN HEREON.

PROJECT TEAM
DEVELOPER:
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RICHARD YEE
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408-453-1066
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NO.	DATE	REVISIONS	BY
△			
△			
△			
△			
△			

Civil Engineering Associates
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T: (408) 436-1066
Civil Engineers • Planners • Surveyors

PREPARED FOR:
ROBSON HOMES
A CALIFORNIA LIMITED LIABILITY COMPANY
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE
COVER SHEET
MILPITAS CALIFORNIA

Date	10/24/2019
Scale	AS SHOWN
Drawn	JG
Designed	JG
Job	15-115
Sheet	C1
Of	Sheets

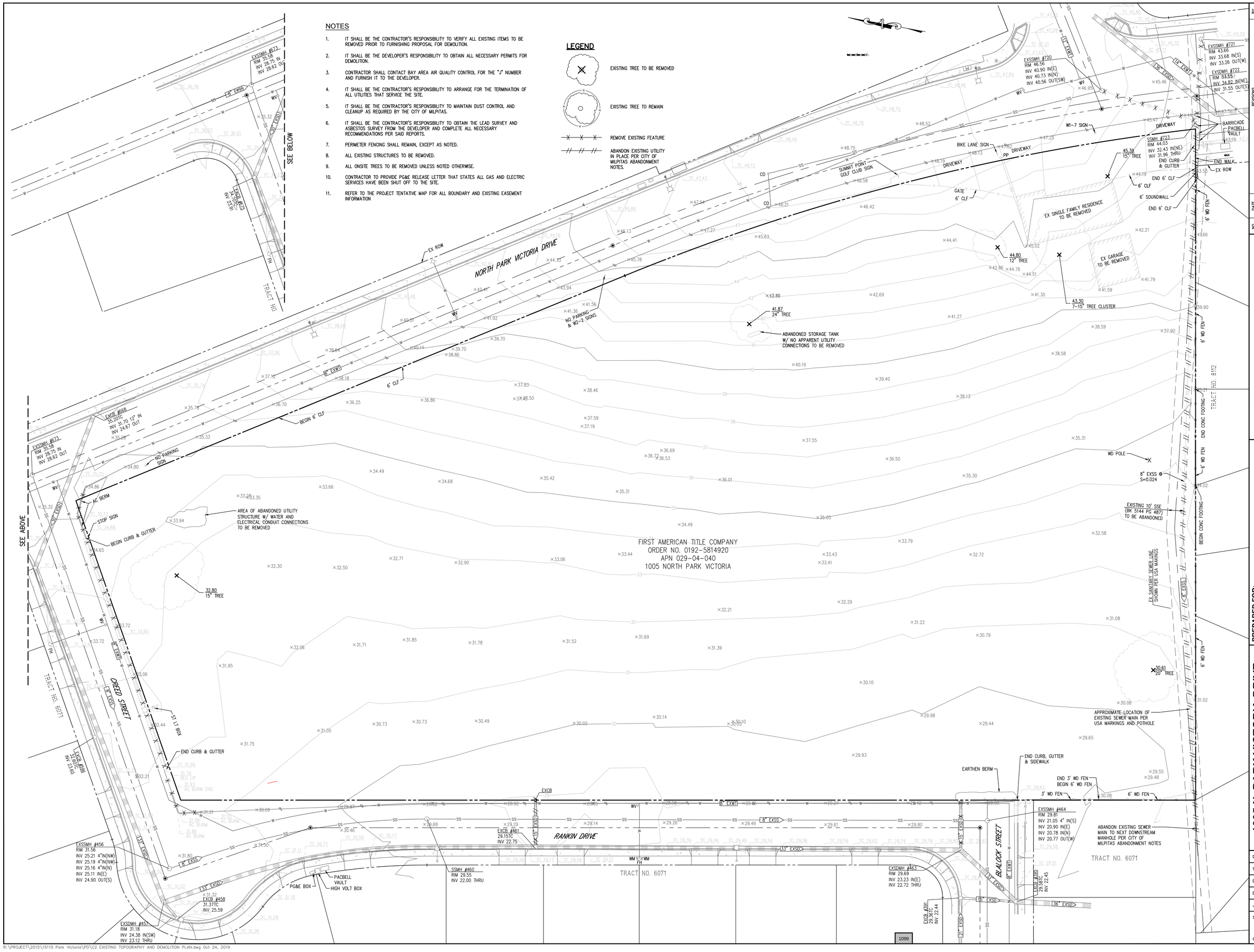
R:\PROJECT\2015\15115 Park Victoria\PD\C1 COVER SHEET.dwg Oct 24, 2019

NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING ITEMS TO BE REMOVED PRIOR TO FURNISHING PROPOSAL FOR DEMOLITION.
2. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION.
3. CONTRACTOR SHALL CONTACT BAY AREA AIR QUALITY CONTROL FOR THE "J" NUMBER AND FURNISH IT TO THE DEVELOPER.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR THE TERMINATION OF ALL UTILITIES THAT SERVICE THE SITE.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DUST CONTROL AND CLEANUP AS REQUIRED BY THE CITY OF MILPITAS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE LEAD SURVEY AND ASBESTOS SURVEY FROM THE DEVELOPER AND COMPLETE ALL NECESSARY RECOMMENDATIONS PER SAID REPORTS.
7. PERIMETER FENCING SHALL REMAIN, EXCEPT AS NOTED.
8. ALL EXISTING STRUCTURES TO BE REMOVED.
9. ALL ONSITE TREES TO BE REMOVED UNLESS NOTED OTHERWISE.
10. CONTRACTOR TO PROVIDE PG&E RELEASE LETTER THAT STATES ALL GAS AND ELECTRIC SERVICES HAVE BEEN SHUT OFF TO THE SITE.
11. REFER TO THE PROJECT TENTATIVE MAP FOR ALL BOUNDARY AND EXISTING EASEMENT INFORMATION

LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- REMOVE EXISTING FEATURE
- ABANDON EXISTING UTILITY IN PLACE PER CITY OF MILPITAS ABANDONMENT NOTES.



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A CALIFORNIA LIMITED LIABILITY COMPANY
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE EXISTING TOPOGRAPHY AND DEMOLITION PLAN

MILPITAS CALIFORNIA

Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15-115
Sheet	C2
Of	Sheets

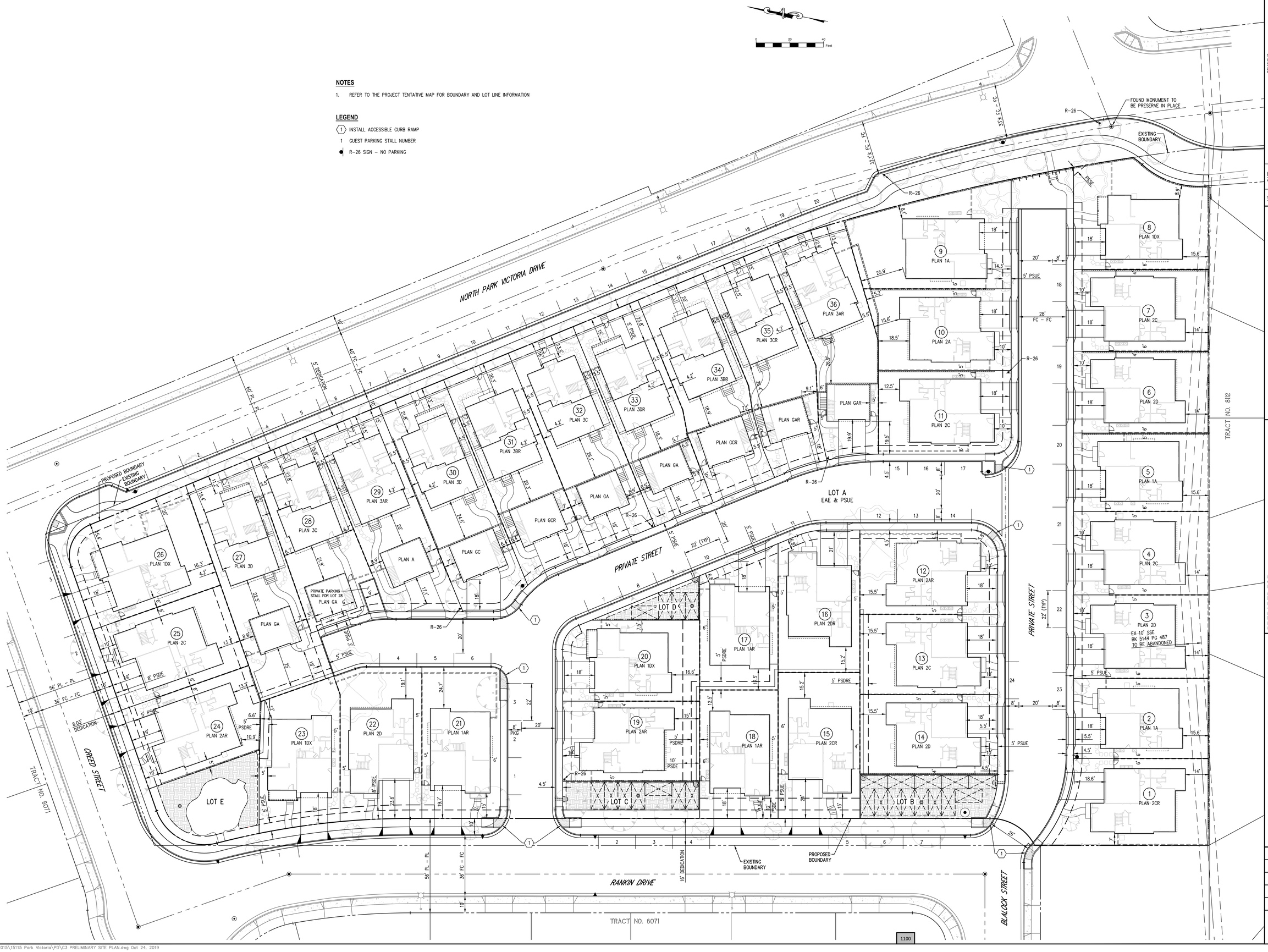
R:\PROJECT\2015\15115 Park Victoria\PD\C2 EXISTING TOPOGRAPHY AND DEMOLITION PLAN.dwg Oct 24, 2019

NOTES

1. REFER TO THE PROJECT TENTATIVE MAP FOR BOUNDARY AND LOT LINE INFORMATION

LEGEND

- (1) INSTALL ACCESSIBLE CURB RAMP
- 1 GUEST PARKING STALL NUMBER
- R-26 SIGN – NO PARKING



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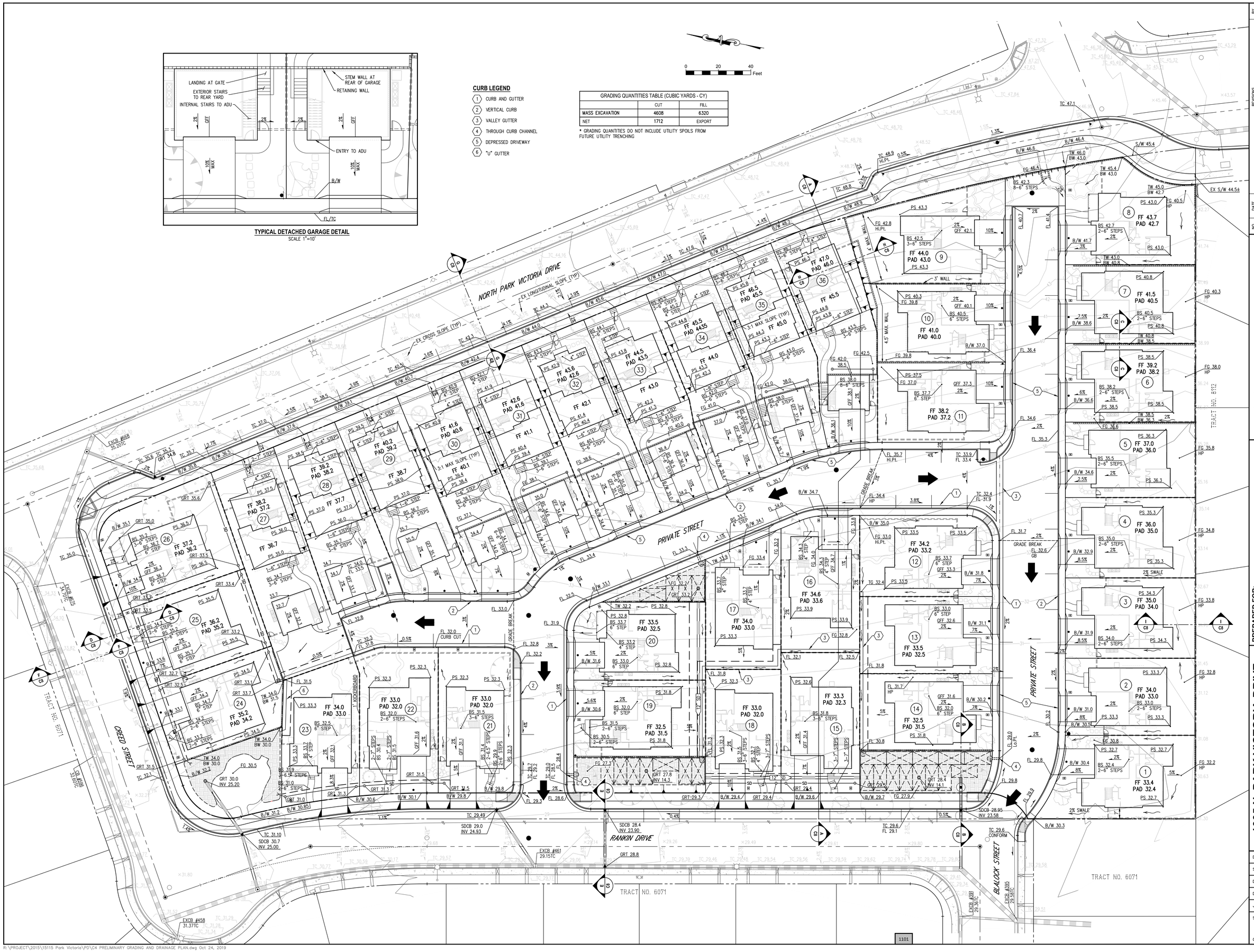
SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE
PRELIMINARY SITE PLAN

MILPITAS CALIFORNIA

Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15–115
Sheet	C3
Of	Sheets

R:\PROJECT\2015\15115 Park Victoria\PD\C3 PRELIMINARY SITE PLAN.dwg Oct 24, 2019



TYPICAL DETACHED GARAGE DETAIL
SCALE 1"=10'

CURB LEGEND

1. CURB AND GUTTER
2. VERTICAL CURB
3. VALLEY GUTTER
4. THROUGH CURB CHANNEL
5. DEPRESSED DRIVEWAY
6. "U" GUTTER

GRADING QUANTITIES TABLE (CUBIC YARDS - CY)		
	CUT	FILL
MASS EXCAVATION	4608	6320
NET	1712	EXPORT

* GRADING QUANTITIES DO NOT INCLUDE UTILITY SPOILS FROM FUTURE UTILITY TRENCHING

NO.	DATE	REVISIONS	BY

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SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE PRELIMINARY GRADING AND DRAINAGE PLAN

MILPITAS CALIFORNIA

Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15-115
Sheet	C4
Of	Sheets

R:\PROJECT\2015\15115 Park Victoria\PD\C4 PRELIMINARY GRADING AND DRAINAGE PLAN.dwg Oct 24, 2019

1005 N. PARK VICTORIA DRIVE PRELIMINARY UTILITY PLAN

MILPITAS CALIFORNIA

PREPARED FOR:

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Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15-115
Sheet	C5
Of	Sheets

R:\PROJECT\2015\15115 Park Victoria\PD\C5 PRELIMINARY UTILITY PLAN.dwg Oct 24, 2019

STORMWATER TREATMENT SUMMARY TABLE

	IMPERVIOUS SURFACES					PERVIOUS SURFACES				TREATMENT MEASURES			
WATERSHED ID	**TOTAL WATERSHED AREA (SF)**	STREETS DRIVEWAYS (SF)	SIDEWALKS (SF)	BUILDINGS (SF)	**TOTAL (SF)**	STREETS (SF)	DRIVEWAYS (SF)	LANDSCAPE (SF)	**TOTAL (SF)**	PROVIDED TREATMENT AREA (SF)	REQUIRED TREATMENT AREA (SF)	CALCULATION METHOD	TREATMENT MEASURE
A	**47,808**	5,634	2,863	17,284	**25,781**	-	-	20,880	**20,880**	**1,147**	1,115	4% METHOD	BIOTREATMENT
B	**47,527**	5,426	3,867	15,752	**25,045**	-	-	21,390	**21,390**	**1,092**	1,087	4% METHOD	BIOTREATMENT
C	**27,020**	3,703	1,927	8,234	**13,864**	-	-	12,549	**12,549**	**607**	605	4% METHOD	BIOTREATMENT
D	**78,569**	13,637	8,716	25,142	**47,495**	-	-	29,050	**29,050**	**2,024**	2,016	4% METHOD	BIOTREATMENT
SUBTOTAL (SF)	**200,924**	28,400	17,373	66,412	**112,185**	-	-	83,869	**83,869**	**4,870**	**4,823**		

HMP SIZING AND DESIGN NOTE:

THE PROJECT IS SUBJECT TO HYDROMODIFICATION REQUIREMENTS. THE HYDROMODIFICATION ANALYSIS PREPARED BY SOHAAF & WHEELER (REPORT CEAX.13.18 DATED 4/26/19) INDICATES THAT 29,200 CUBIC FEET OF STORAGE IS REQUIRED.

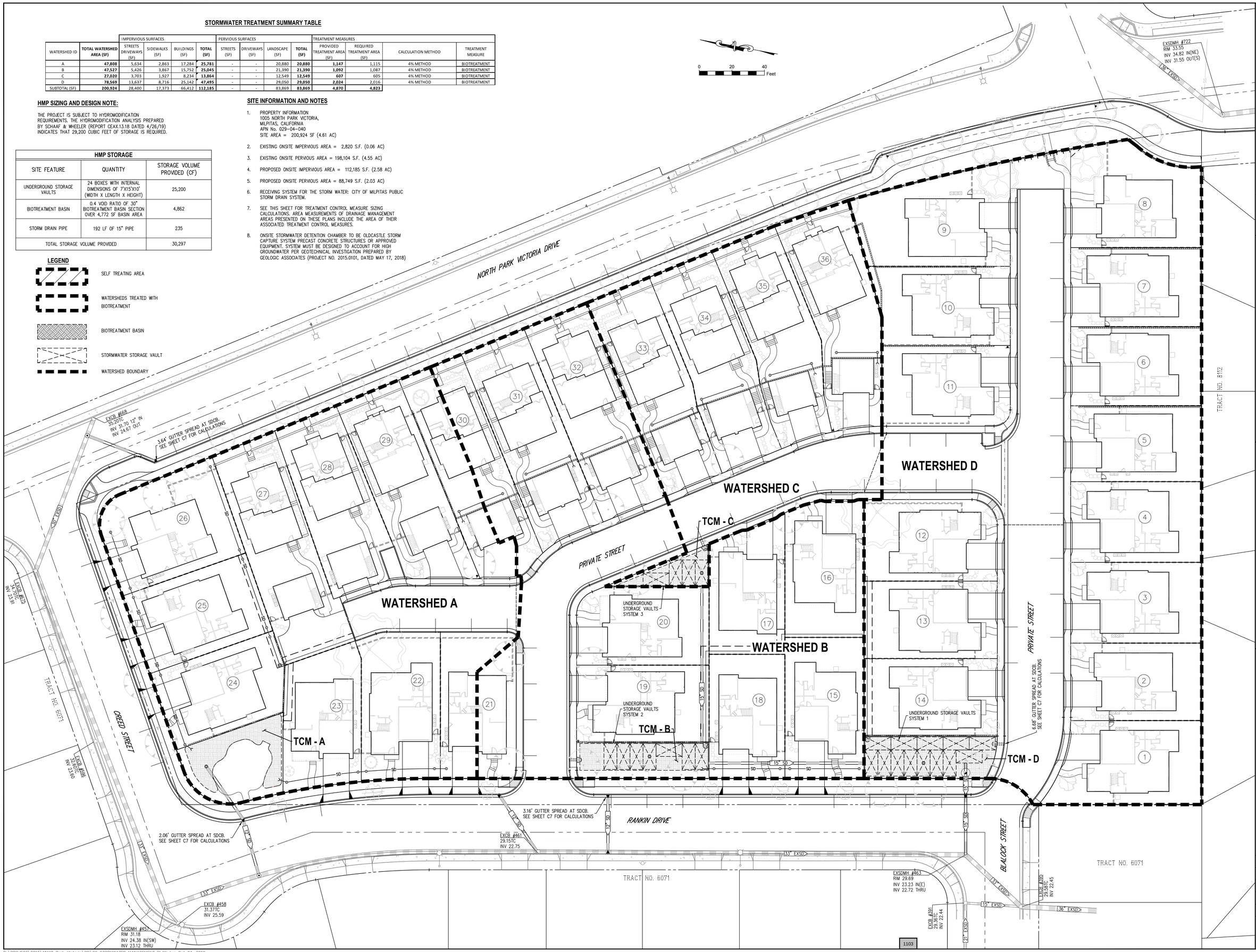
HMP STORAGE		
SITE FEATURE	QUANTITY	STORAGE VOLUME PROVIDED (CF)
UNDERGROUND STORAGE VAULTS	24 BOXES WITH INTERNAL DIMENSIONS OF 7'x15'x10' (WIDTH X LENGTH X HEIGHT)	25,200
BIOTREATMENT BASIN	0.4 VOID RATIO OF 30" BIOTREATMENT BASIN SECTION OVER 4,772 SF BASIN AREA	4,862
STORM DRAIN PIPE	192 LF OF 15" PIPE	235
TOTAL STORAGE VOLUME PROVIDED		30,297

LEGEND

- SELF TREATING AREA
- WATERSHEDS TREATED WITH BIOTREATMENT
- BIOTREATMENT BASIN
- STORMWATER STORAGE VAULT
- WATERSHED BOUNDARY

SITE INFORMATION AND NOTES

1. PROPERTY INFORMATION
   1005 NORTH PARK VICTORIA,
   MILPITAS, CALIFORNIA
   APN No. 029-04-040
   SITE AREA = 200,924 SF (4.61 AC)
2. EXISTING ONSITE IMPERVIOUS AREA = 2,820 S.F. (0.06 AC)
3. EXISTING ONSITE PERVIOUS AREA = 198,104 S.F. (4.55 AC)
4. PROPOSED ONSITE IMPERVIOUS AREA = 112,185 S.F. (2.58 AC)
5. PROPOSED ONSITE PERVIOUS AREA = 88,749 S.F. (2.03 AC)
6. RECEIVING SYSTEM FOR THE STORM WATER: CITY OF MILPITAS PUBLIC STORM DRAIN SYSTEM.
7. SEE THIS SHEET FOR TREATMENT CONTROL MEASURE SIZING CALCULATIONS. AREA MEASUREMENTS OF DRAINAGE MANAGEMENT AREAS PRESENTED ON THESE PLANS INCLUDE THE AREA OF THEIR ASSOCIATED TREATMENT CONTROL MEASURES.
8. ONSITE STORMWATER DETENTION CHAMBER TO BE OLDCASTLE STORM CAPTURE SYSTEM PRECAST CONCRETE STRUCTURES OR APPROVED EQUIPMENT. SYSTEM MUST BE DESIGNED TO ACCOUNT FOR HIGH GROUNDWATER PER GEOTECHNICAL INVESTIGATION PREPARED BY GEOLOGIC ASSOCIATES (PROJECT NO. 2015.0101, DATED MAY 17, 2018)



R:\PROJECT\2015\15115 Park Victoria\PD\C6 STORMWATER MANAGEMENT PLAN.dwg Oct 24, 2019

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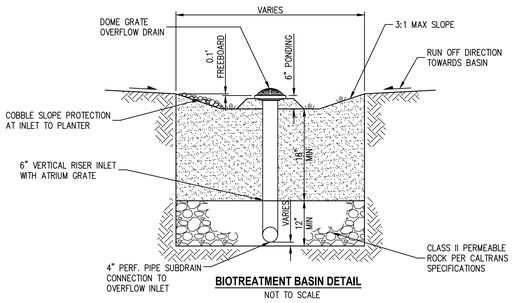
1005 N. PARK VICTORIA DRIVE STORMWATER MANAGEMENT PLAN

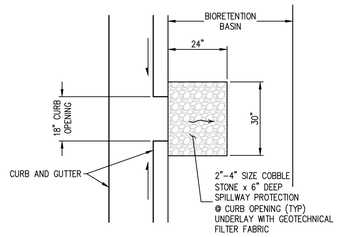
MILPITAS CALIFORNIA

Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15-115
Sheet	C6
Of	Sheets

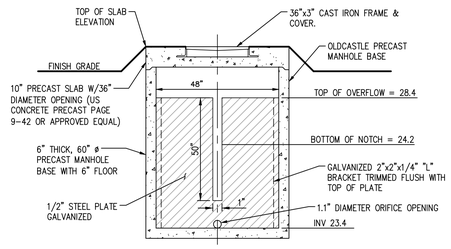


BIOTREATMENT BASIN DETAIL
NOT TO SCALE

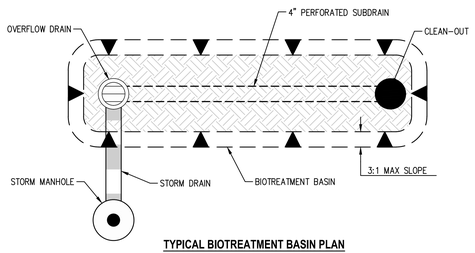
NOTES
1. PERFORATION TO BE INSTALLED FACING DOWNWARD.
2. BIOTREATMENT SOIL MIX (BSM) SHALL CONFORM TO THE MUNICIPAL REGIONAL PERMIT REQUIREMENTS SET FORTH IN PROVISION C.3.C.i.(1)(B)(VI)
3. SEE LANDSCAPE PLANS FOR PLANTING AND IRRIGATION LAYOUT WITHIN BASIN.



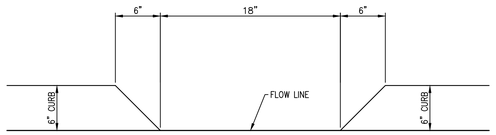
SPILLWAY PROTECTION
@ CURB OPENING
NOT TO SCALE



WEIR MANHOLE DETAIL
NOT TO SCALE



TYPICAL BIOTREATMENT BASIN PLAN
NOT TO SCALE



CURB CUT DETAIL
NOT TO SCALE

GUTTER SPREAD CALCULATIONS

Storm Structure ID No.	Added Tributary	Individual Area (sf)	Area (acres)	Runoff Coefficient C	Product C*A	Time of Concentration (min)	Rainfall Intensity (in/hr) I	Runoff (cfs) Q=C*A*I	Length of Gutter Run (ft)	Longitudinal Slope (%)	Cross Slope - Sx (%)	Gutter Cross Slope - Sw (%)	Gutter Spread (ft)
SCCB	North Park Victoria Drive	10443	0.240	0.90	0.216	5.00	2.80	0.604	485	1.1%	2.3%	10.9%	3.64
SDCB	Creed Street	6472	0.149	0.90	0.134	5.00	2.80	0.374	284	1.4%	2.6%	10.9%	2.06
SDCB	Rankin Drive (S)	5219	0.120	0.90	0.108	5.00	2.80	0.302	266	0.40%	2.3%	10.9%	3.16
TCM-D	Onsite Private Street (S)	69921	1.605	0.67	1.068	10.00	1.90	2.029	364	2.0%	2.0%	10.9%	6.68

Channel Report

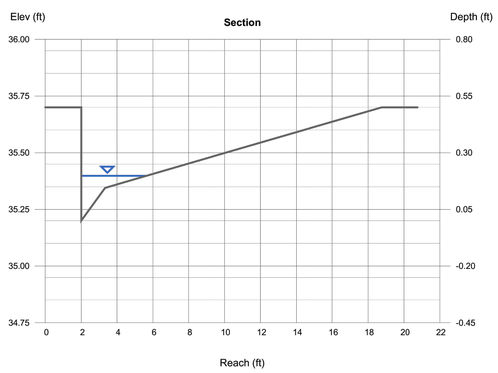
Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. — Wednesday, Apr 17 2019

North Park Victoria Drive - Gutter Spread (10 Year Storm)

Gutter
Cross Sl, Sx (ft/ft) = 0.023
Cross Sl, Sw (ft/ft) = 0.109
Gutter Width (ft) = 1.33
Invert Elev (ft) = 35.20
Slope (%) = 1.10
N-Value = 0.013

Calculations
Compute by: Known Q
Known Q (cfs) = 0.60

Highlighted
Depth (ft) = 0.20
Q (cfs) = 0.600
Area (sqft) = 0.23
Velocity (ft/s) = 2.63
Wetted Perim (ft) = 3.84
Crit Depth, Yc (ft) = 0.24
Spread Width (ft) = 3.64
EGL (ft) = 0.31



Channel Report

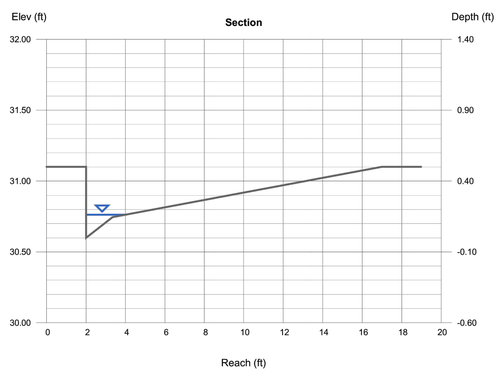
Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. — Wednesday, Apr 17 2019

Creed Street - Gutter Spread (10 Year Storm)

Gutter
Cross Sl, Sx (ft/ft) = 0.026
Cross Sl, Sw (ft/ft) = 0.109
Gutter Width (ft) = 1.33
Invert Elev (ft) = 30.60
Slope (%) = 1.40
N-Value = 0.013

Calculations
Compute by: Known Q
Known Q (cfs) = 0.37

Highlighted
Depth (ft) = 0.16
Q (cfs) = 0.370
Area (sqft) = 0.13
Velocity (ft/s) = 2.92
Wetted Perim (ft) = 2.19
Crit Depth, Yc (ft) = 0.21
Spread Width (ft) = 2.02
EGL (ft) = 0.30



Channel Report

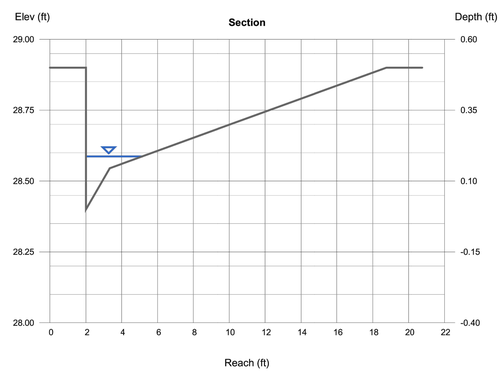
Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. — Wednesday, Apr 17 2019

Rankin Drive - Gutter Spread (10 Year Storm)

Gutter
Cross Sl, Sx (ft/ft) = 0.023
Cross Sl, Sw (ft/ft) = 0.109
Gutter Width (ft) = 1.33
Invert Elev (ft) = 28.40
Slope (%) = 0.40
N-Value = 0.013

Calculations
Compute by: Known Q
Known Q (cfs) = 0.30

Highlighted
Depth (ft) = 0.19
Q (cfs) = 0.300
Area (sqft) = 0.19
Velocity (ft/s) = 1.57
Wetted Perim (ft) = 3.35
Crit Depth, Yc (ft) = 0.20
Spread Width (ft) = 3.16
EGL (ft) = 0.23



Channel Report

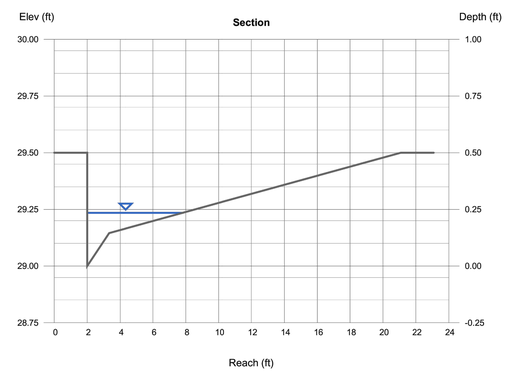
Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. — Wednesday, Apr 17 2019

Onsite Private Street South - Gutter Spread (10 Year Storm)

Gutter
Cross Sl, Sx (ft/ft) = 0.020
Cross Sl, Sw (ft/ft) = 0.109
Gutter Width (ft) = 1.33
Invert Elev (ft) = 29.00
Slope (%) = 2.00
N-Value = 0.010

Calculations
Compute by: Known Q
Known Q (cfs) = 2.03

Highlighted
Depth (ft) = 0.24
Q (cfs) = 2.030
Area (sqft) = 0.42
Velocity (ft/s) = 4.85
Wetted Perim (ft) = 6.08
Crit Depth, Yc (ft) = 0.32
Spread Width (ft) = 5.83
EGL (ft) = 0.60



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SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE STORMWATER MANAGEMENT DETAILS

MILPITAS CALIFORNIA

Date 10/24/2019
Scale
Drawn JG
Designed JG
Job 15-115
Sheet C7
Of Sheets

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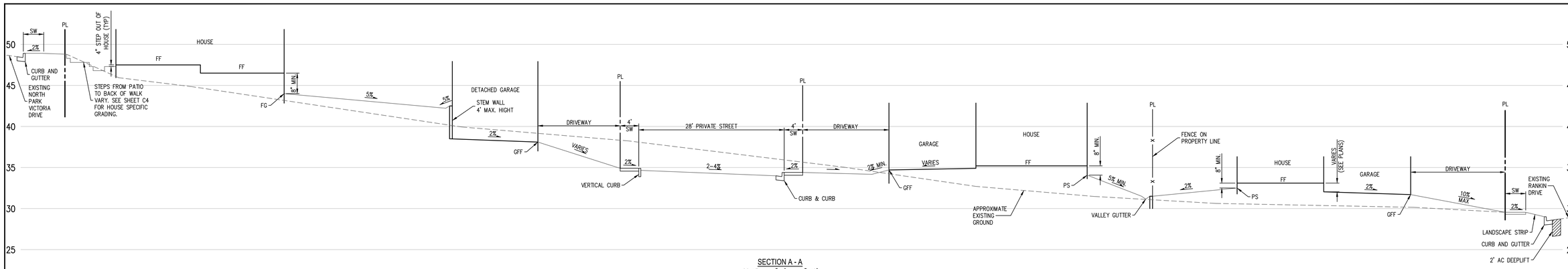
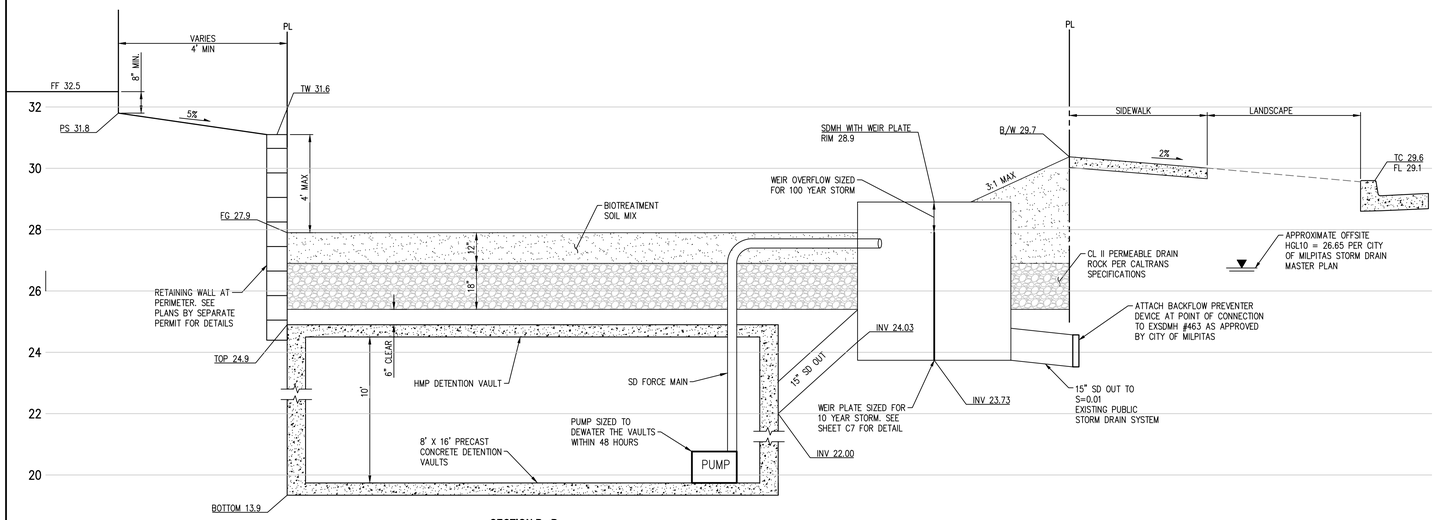
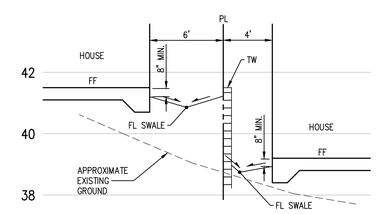


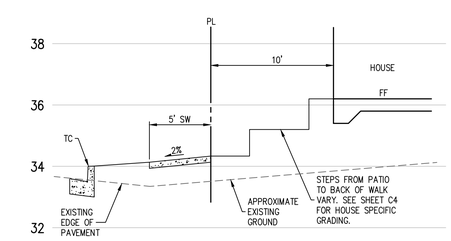
SECTION A - A
SCALE : H 1"=1' – V 1"=10'



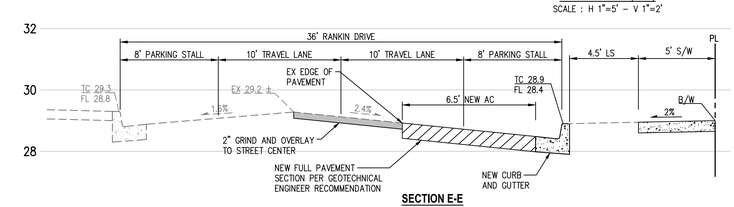
SECTION B - B
SCALE: HORZ 1"=2' – VERT 1"=2'



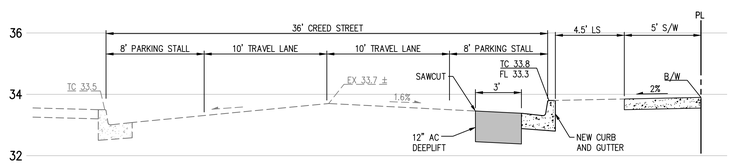
SECTION C - C (TYP)
SCALE : H 1"=5' – V 1"=2'



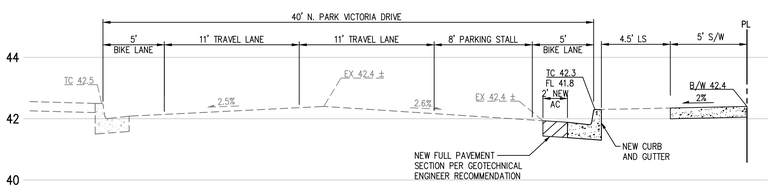
SECTION D - D (TYP)
SCALE : H 1"=5' – V 1"=2'



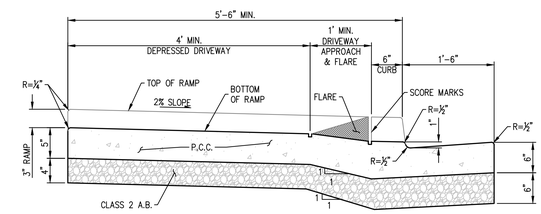
SECTION E-E
SCALE: HORZ 1"=5' – VERT 1"=2'



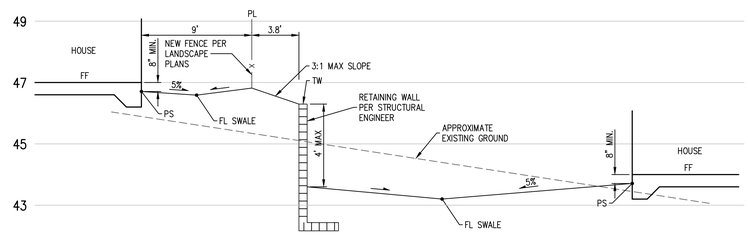
SECTION F-F
SCALE: HORZ 1"=5' – VERT 1"=2'



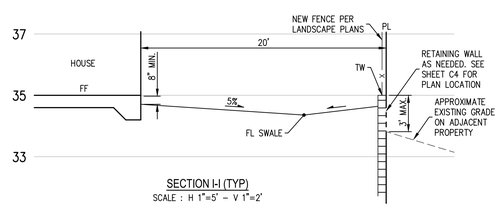
SECTION G-G
SCALE: HORZ 1"=5' – VERT 1"=2'



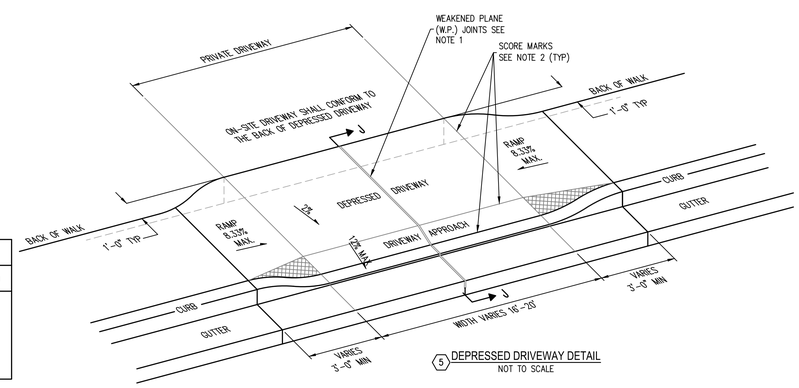
SECTION J-J
NOT TO SCALE



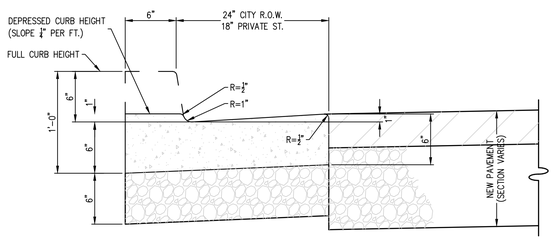
SECTION H -H (TYP)
SCALE : H 1"=5' – V 1"=2'



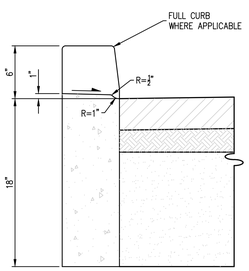
SECTION I-I (TYP)
SCALE : H 1"=5' – V 1"=2'



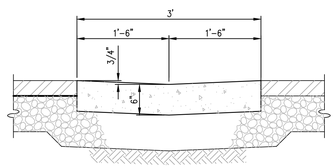
5 DEPRESSED DRIVEWAY DETAIL
NOT TO SCALE



1 FULL OR DEPRESSED CURB AND GUTTER
NOT TO SCALE



2 FULL OR DEPRESSED VERTICAL CURB
NOT TO SCALE



3 VALLEY GUTTER
NOT TO SCALE

PAVING CHART

AREA DESCRIPTION	TRAFFIC INDEX	A.C. PAVING		
		AC (IN)	BASE (IN)	TOTAL (IN)
ALL ONSITE PARKING AREAS AND PRIVATE STREETS	5.0	4.0	7.5 (CL II AB)	11.5

- ALL ONSITE ROCK & PAVING SECTIONS & REINFORCEMENT REQUIREMENTS SHALL MEET OR EXCEED THE SOILS REPORT PREPARED BY GEO-LOGIC ASSOCIATES (PROJECT 2015.0101 DATED MAY 17, 2018)
- FILED TESTING RESULTS INDICATED THE ONSITE SOIL HAD AN R-VALUE OF LESS THAN 5. FOR PRACTICAL PURPOSES, AN R-VALUE OF 5 WAS USED TO CALCULATE THE PAVEMENT SECTIONS. A TI OF 5 WAS SELECTED FOR THE PROJECT'S PRIVATE STREETS. FOR MORE INFORMATION, SEE SECTION 6.5 OF THE SOILS REPORT.

NOTES:
1. W.P. JOINTS REQUIRED ON CENTERLINE FOR DRIVEWAYS 12' TO 20' WIDE. DRIVEWAYS 24'-30' WIDE SHALL HAVE 2 W.P. JOINTS EVENLY SPACED (AT ⅓ AND ⅔ POINTS).
2. PLACE SCORE MARKS AT ¼ POINTS ON DRIVEWAYS 12' TO 20' WIDE AND AT ⅙ POINTS ON DRIVEWAYS 24' – 30' WIDE.

NO.	DATE	REVISIONS	BY
△			
△			
△			
△			
△			

Civil Engineering Associates
Civil Engineers • Planners • Surveyors
2055 Gateway Place
Suite 550
San Jose, CA 95110
T: (408) 436-0166

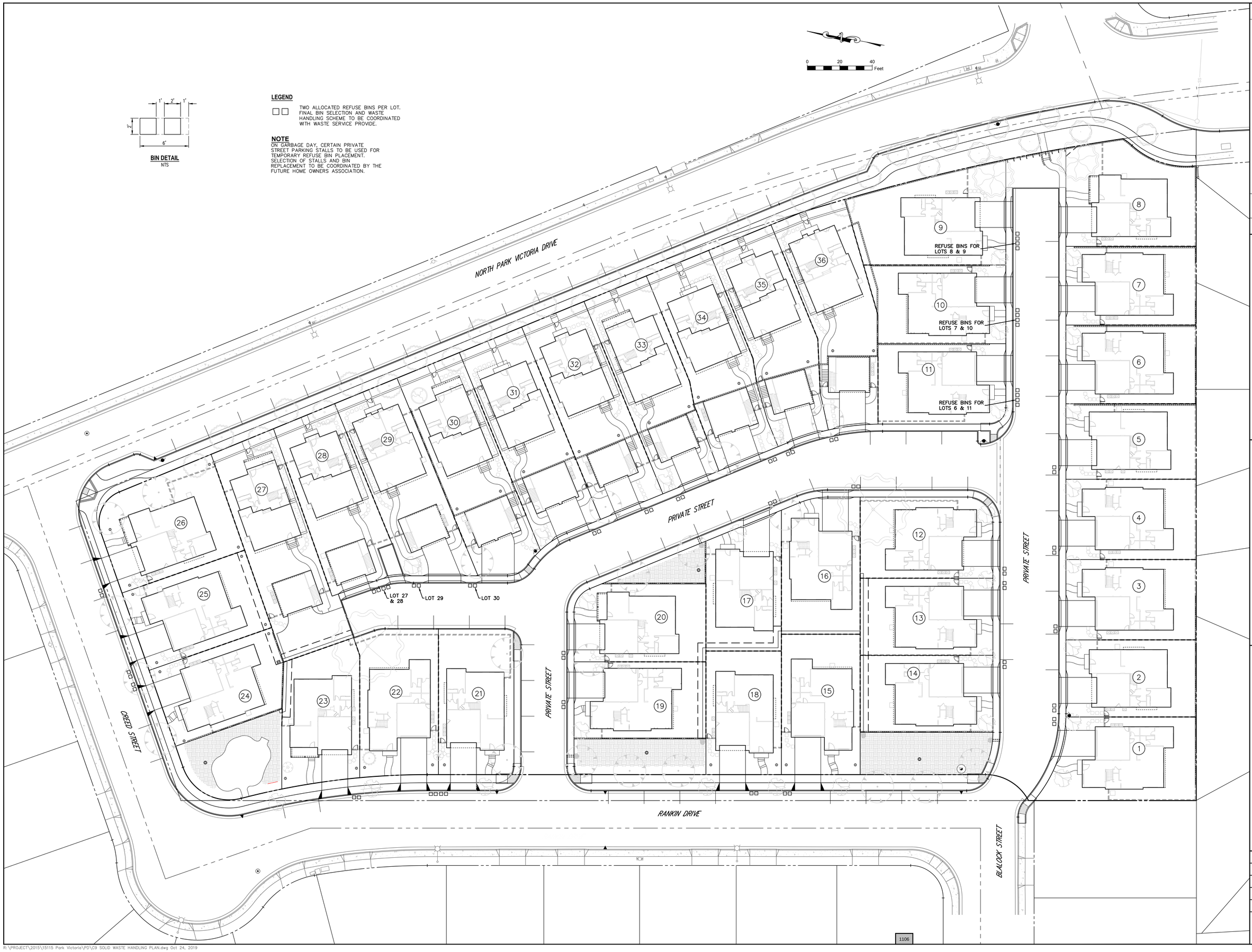
PREPARED FOR:
ROBSON HOMES
A CALIFORNIA LIMITED LIABILITY COMPANY
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE SITE SECTIONS AND DETAILS

MILPITAS CALIFORNIA

Date	10/24/2019
Scale	
Drawn	JG
Designed	JG
Job	15-115
Sheet	C8
Of	Sheets

R:\PROJECT\2015\15115 Park Victoria\PD\C8 SITE SECTIONS.dwg Oct 24, 2019



NO.	DATE	REVISIONS	BY

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T: (408) 453-1066

PREPARED FOR:
ROBSON HOMES
A CALIFORNIA LIMITED LIABILITY COMPANY
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE SOLID WASTE HANDLING PLAN

MILPITAS CALIFORNIA

Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15-115
Sheet	C9
Of	Sheets

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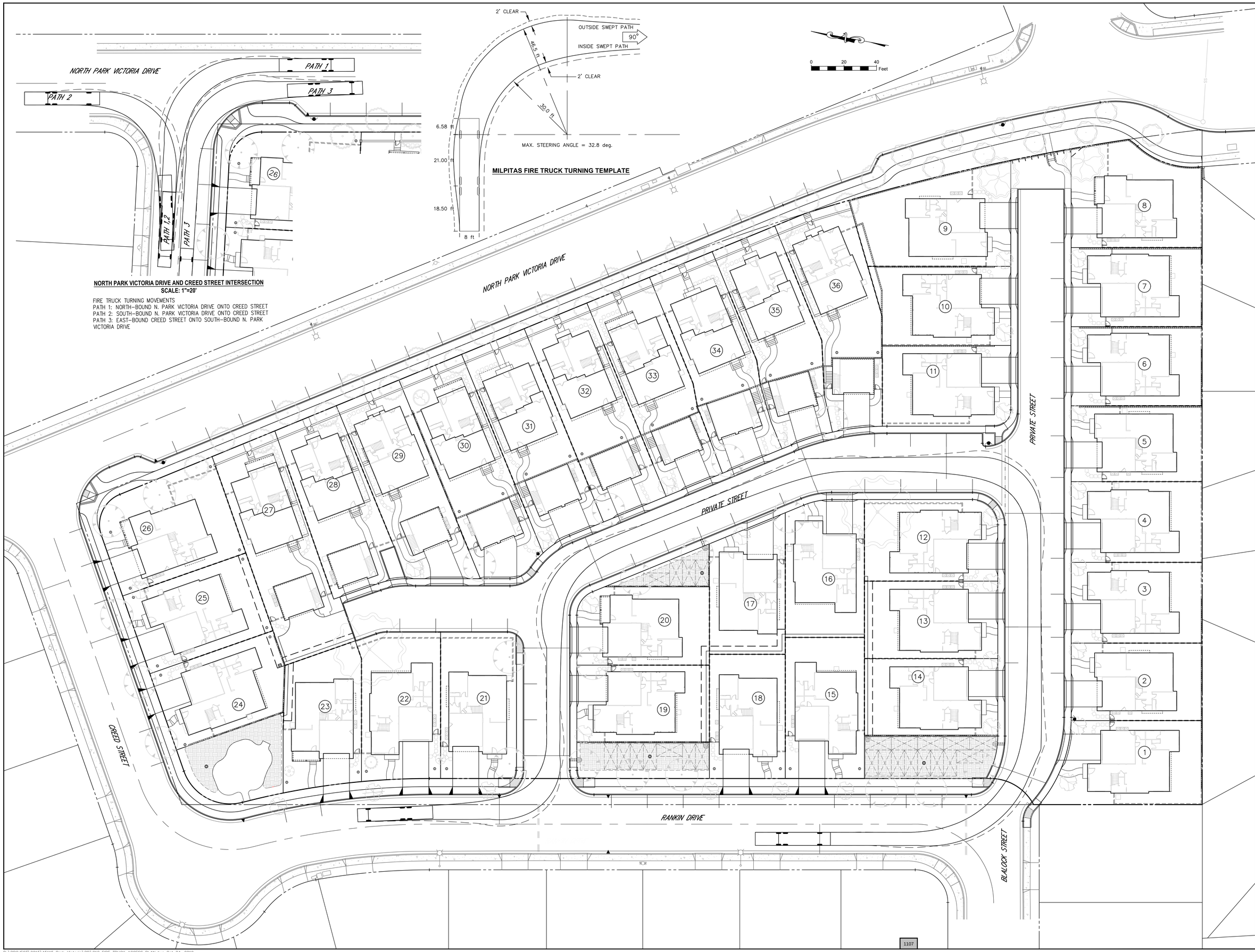

NORTH PARK VICTORIA DRIVE AND CREED STREET INTERSECTION
SCALE: 1"=20'

FIRE TRUCK TURNING MOVEMENTS
PATH 1: NORTH-BOUND N. PARK VICTORIA DRIVE ONTO CREED STREET
PATH 2: SOUTH-BOUND N. PARK VICTORIA DRIVE ONTO CREED STREET
PATH 3: EAST-BOUND CREED STREET ONTO SOUTH-BOUND N. PARK VICTORIA DRIVE

NO.	DATE	REVISIONS	BY
△			
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△			
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△			

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Civil Engineers • Planners • Surveyors
2055 Gateway Place
Suite 550
San Jose, CA 95110
Tel. (408) 436-0166

PREPARED FOR:
ROBSON HOMES
A CALIFORNIA LIMITED LIABILITY COMPANY
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126

1005 N. PARK VICTORIA DRIVE
FIRE TRUCK ACCESS PLAN

MILPITAS CALIFORNIA

Date	10/24/2019
Scale	1"=20'
Drawn	JG
Designed	JG
Job	15-115
Sheet	C10
Of	Sheets

R:\PROJECT\2015\15115 Park Victoria\PD\C10 FIRE TRUCK ACCESS PLAN.dwg Oct 24, 2019

NOTES

OWNER/DEVELOPER: ROBSON HOMES
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126
(408) 345-1767

ENGINEER: CIVIL ENGINEERING ASSOCIATES, INC.
2055 GATEWAY PLACE, SUITE 550
SAN JOSE, CALIFORNIA 95110
(408) 453-1066

1. EXISTING ZONING: R1-6 (SINGLE FAMILY RESIDENTIAL MINIMUM LOT SIZE 6,000 SF)
2. PROPOSED ZONING: PD (PLANNED DEVELOPMENT)
3. PROPOSED USE: 36 RESIDENTIAL UNITS
4. BENCHMARK: BRASS DISK IN MONUMENT WELL AT INTERSECTION OF CREED STREET AND PARK VICTORIA DRIVE, ELEVATION = 35.218 (NGVD29).
5. FLOOD ZONE DESIGNATION: "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
6. ASSESSORS PARCEL NUMBER: 029-04-040
7. NO KNOWN WELLS ON SITE
8. STORM SEWER TO BE PROVIDED BY CITY OF MILPITAS
9. WATER TO BE PROVIDED BY CITY OF MILPITAS
10. SANITARY SEWER TO BE PROVIDED BY CITY OF MILPITAS
11. FIRE PROTECTION IS TO BE PROVIDED BY CITY OF MILPITAS
12. GAS AND ELECTRIC IS TO BE PROVIDED BY PG&E
13. NUMBER OF LOTS: 41 (36 RESIDENTIAL, 4 OPEN SPACE & 1 PRIVATE STREET)
14. TOTAL AREA: 4.88 ACRES GROSS

ABBREVIATIONS

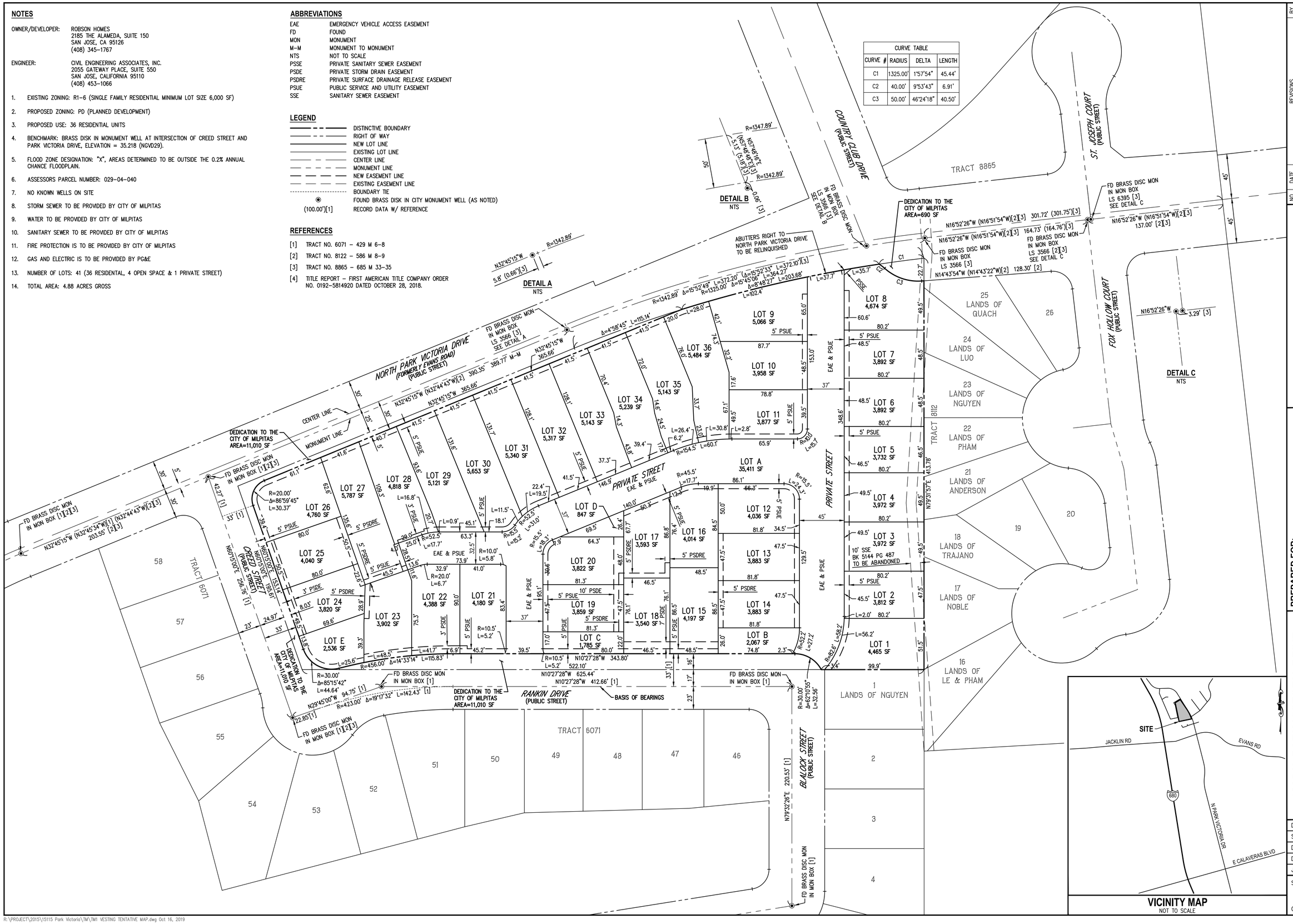
EAE	EMERGENCY VEHICLE ACCESS EASEMENT
FD	FOUND
MON	MONUMENT
M-M	MONUMENT TO MONUMENT
NTS	NOT TO SCALE
PSSE	PRIVATE SANITARY SEWER EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSDRE	PRIVATE SURFACE DRAINAGE RELEASE EASEMENT
PSUE	PUBLIC SERVICE AND UTILITY EASEMENT
SSE	SANITARY SEWER EASEMENT

LEGEND

	DISTINCTIVE BOUNDARY
	RIGHT OF WAY
	NEW LOT LINE
	EXISTING LOT LINE
	CENTER LINE
	MONUMENT LINE
	NEW EASEMENT LINE
	EXISTING EASEMENT LINE
	BOUNDARY TIE
◉	FOUND BRASS DISK IN CITY MONUMENT WELL (AS NOTED)
(100.00')[1]	RECORD DATA W/ REFERENCE

REFERENCES

[1] TRACT NO. 6071 – 429 M 6-8
[2] TRACT NO. 8122 – 586 M 8-9
[3] TRACT NO. 8865 – 685 M 33-35
[4] TITLE REPORT – FIRST AMERICAN TITLE COMPANY ORDER NO. 0192-5814920 DATED OCTOBER 28, 2018.



VICINITY MAP
NOT TO SCALE

CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
C1	1325.00'	1°57'54"	45.44'
C2	40.00'	9°53'43"	6.91'
C3	50.00'	46°24'18"	40.50'

NO.	DATE	REVISIONS	BY

Civil Engineering Associates
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2055 Gateway Place
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San Jose, CA 95110
T: (408) 453-1066

PREPARED FOR:
ROBSON HOMES
A CALIFORNIA LIMITED LIABILITY COMPANY
2185 THE ALAMEDA, SUITE 150
SAN JOSE, CA 95126
(408) 345-1767

1005 N. PARK VICTORIA DRIVE VESTING TENTATIVE MAP

MILPITAS CALIFORNIA

DATE	10/16/2019
SCALE	1"=30'
DESIGNED	JG
DRAWN	CH
JOB NO.	15-115

SHEET TM1 OF 1108

R:\PROJECT\2015\15115 Park Victoria\TM\TM1 VESTING TENTATIVE MAP.dwg Oct 16, 2019

1109
B.DAVIDGE '19

1110

ROBSON HOMES

August 19, 2019

Ned Thomas, Planning Director
City of Milpitas
455 E. Calaveras Blvd.
Milpitas, CA 95035

Dear Mr. Thomas,

Robson Homes has submitted an application for a General Plan Amendment and Zoning Amendment for thirty-six (36) new two-story homes on a vacant 4.85 acre site located at 1005 North Park Victoria Drive. To comply with the City's affordability requirement, we are requesting an exception to pay the Below Market Rate (BMR) in-lieu fee. In addition to paying the BMR fee, our plan includes ADUs.

Per the City's municipal code, findings must be made to demonstrate that the requested exception exceeds the minimum affordable requirements; and the project is better served with the exception; or the community benefits exceed the project benefits. We submit to you the following on how we make the required findings:

Our project includes a house type that features an ADU (accessory dwelling unit) studio over a detached two-car garage for ten of the thirty-six homes. We anticipate their rents will be lower due to the design of the ADUs. These 485 SF ADU studios will provide a market-driven affordable component for 27% of the homes, nearly twice the number of affordable units provided under a 15% BMR requirement (5 BMRs). Property owners can also use the rents to subsidize their mortgage payments. The provision of 10 ADUs coupled with the payment of a BMR in-lieu fee, estimated at $3.5 mil exceeds the project's minimum affordability requirement.

This is the first residential project in the City that has programed ADUs into its plans. Staff is impressed that we have incorporated ADUs seamlessly into the design and created additional housing while preserving and enhancing the charm and character of the existing neighborhood. Staff intends to use our plans as a demonstration project of how to use ADUs as a way to incorporate affordable housing in a low density neighborhood.

We appreciate your consideration of our request for an exception to pay the BMR in-lieu fee. The combination of the ten ADUs along with the payment of the full BMR fee estimated at $3.5 mil provides greater affordability and community benefits.

Sincerely,
Robson Homes

Richard Yee,
Forward Planning Project Manager

ROBSON HOMES, LLC
2185 THE ALAMEDA, SUITE 150, SAN JOSE, CA 95126
phone 408.345.1767 *fax* 408.345.1768 *web* www.robsonhomes.com

sv@home

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Technology Credit Union

Jan Lindenthal
MidPen Housing

Jennifer Loving
Destination: Home

Mary Murtagh
EAH Housing

Chris Neale
The Core Companies

Andrea Osgood
Eden Housing

Kelly Snider
Kelly Snider Consulting

Jennifer Van Every
The Van Every Group

Staff

Leslye Corsiglia
Executive Director

TRANSMITTED VIA EMAIL

October 31, 2019

Mayor Tran and Members of the City Council
City of Milpitas
455 E. Calaveras Blvd.
Milpitas, CA 95035

Dear Mayor Tran, Vice Mayor Dominguez, and Councilmembers Montano, Nuñez, and Phan,

Re: 1005 N Park Victoria Drive

On behalf of our members, SV@Home is proud to endorse Robson Homes' proposed 36-unit, 10-ADU development at 1005 N Park Victoria Drive. We heartily support the integration of innovative building types that are more naturally affordable into what would typically be a single-family-only project.

Accessory Dwelling Units (ADUs) are a key part of the solution to our housing crisis. They provide homes at similar prices to deed-restricted housing while seamlessly integrating into single-family neighborhoods. The developer's survey of ADUs in Milpitas showed an average rental price around $1800 per month, less than the rent for a one bedroom 80% AMI affordable unit ($2,079).

We are highly encouraged that Robson Homes is building in ADUs from the get-go, and hope that this project serves as a model for other single family developments that may take place in the county.

We urge the council to support this type of innovative approach to providing affordability.

Sincerely,

David K Meyer
Director of Strategic Initiatives

350 W. Julian Street, Building 5, San José, CA 95113
408.780.2261 • www.svathome.org • info@siliconvalleyathome.org

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Authorize the City Manager to Execute a Measure B, Funding Agreement between the City and VTA State Route 237 Near Term Improvements Project (Staff Contact: Steve Erickson, 408-586-3301)**
Category:	Consent Calendar-Community Development
Meeting Date:	11/5/2019
Staff Contact:	Steve Erickson, City Engineer, 408-586-3301
Recommendation:	Authorize the City Manager to execute a Funding Agreement between the City and the Santa Clara Valley Transportation Authority for 2016 Measure B State Route 237 Near Term Improvements Project.

BACKGROUND:

In November 2016, Santa Clara County voters approved the 2016 Measure B Program, a 30-year, half-cent countywide sales tax to fund projects to improve transit, roadways, and active transportation (bicycles and pedestrians) within the County. Over the next 30 years, 2016 Measure B is anticipated to generate a total of $6.3 billion for various transportation related improvements.

On December 5, 2017, the City Council adopted Resolution No. 8729 declaring State Route 237/Calaveras Boulevard (SR 237) improvements as the highest priority transportation projects for the City of Milpitas, and selected three preferred projects for the improvement of SR237. The three preferred SR 237 projects will be completed together and are eligible for 2016 Measure B funding. The Valley Transportation Authority (VTA) will implement the project(s) and the City will be responsible to fund a 10% local match, estimated to be $200,000.

The following are the three preferred SR 237 corridor projects recommended by the VTA and approved by the City Council on December 5, 2017:

1. Construct HOV (carpool) only lane on westbound Calaveras Boulevard between I-880 southbound off-ramp and SR 237 freeway on ramp.

2. Construct HOV (carpool) only lane on westbound Calaveras Boulevard across McCarthy Boulevard freeway overpass.

3. Complete a SR237 corridor study and identify other transit, pedestrian, bicycle, and roadway infrastructure and operational improvements within the City of Milpitas between I-880 and I-680.

The VTA has been requested to prioritize the completion of these projects and to fund in fiscal year 2018-19. The City's 2019-24 Capital Improvement Program (CIP) includes Project No. 4294, SR 237 HOV Lane Improvements, and this project provides the City 10% local match fund for the project. VTA is anticipated to start these projects in fall of 2019, and completion is estimated at summer of 2021.

ANALYSIS:

A funding agreement between the VTA and the City is required to allow VTA to start the projects. The agreement sets the framework for design, construction, reporting, administrative roles and responsibilities for the project(s). The total project cost is estimated at $2,000,000, and VTA will allocate $1,800,000 of Me

funding for the project, and the City would be required to provide an estimate of $200,000 as the 10% local funding match. Staff recommends the City Council approve and authorize to the Interim City Manager to execute a Funding Agreement with VTA to allow the SR237 projects to move forward.

POLICY ALTERNATIVE:
Alternative 1: Deny approval and authorization of the VTA Funding Agreement with VTA.

Pros: None

Cons: Not approving the Funding Agreement would not allow the SR 237 projects to move forward, and the $1.8 million in Measure B funding would be allocated to other projects within the County.

Reason not Recommended: Traffic congestion along the SR 237 corridor is heavy, and the VTA has recommended these projects move forward to help alleviate congestion.

FISCAL IMPACT:
The City's 2019-24 Capital Improvement Program document includes Project No. 4294, SR 237 HOV Lane Improvements. $200,000 in funding is programed for fiscal year 2019, which is the City's 10% local match contribution for the completion of the projects.

California Environmental Quality Act (CEQA):
VTA shall complete environment clearance for the project per the proposed funding agreement.

RECOMMENDATION:
Authorize the City Manager to execute a Funding Agreement between the City and the Santa Clara Valley Transportation Authority for State Route 237 Near Term Improvements Project.

Attachment:
City and VTA Funding Agreement

FUNDING AGREEMENT
BETWEEN THE CITY OF MILPITAS AND
SANTA CLARA VALLEY TRANSPORTATION AUTHORITY
FOR THE STATE ROUTE 237 NEAR TERM IMPROVEMENTS PROJECT

THIS AGREEMENT ("Agreement") dated _____, 2019, for purposes of reference, is made and entered into by and between the CITY OF MILPITAS, a municipal corporation of the State of California ("CITY"), and SANTA CLARA VALLEY TRANSPORTATION AUTHORITY, a public agency organized as a special district under California law ("VTA"). Hereinafter, CITY and VTA may be individually referred to as "Party" or collectively referred to as "Parties".

I. RECITALS

A. Whereas, on June 24, 2016, the VTA Board of Directors adopted a resolution to place a ballot measure before the voters of Santa Clara County in November 2016 to authorize a one-half of one percent retail transaction and use tax ("**2016 MEASURE B**") for 30 years for nine transportation-related program categories; and

B. Whereas, on November 8, 2016, the voters of Santa Clara County enacted 2016 MEASURE B for 30 years to pay for the nine transportation-related program categories; and

C. Whereas, on October 5, 2017, the VTA Board of Directors established the 2016 Measure B Program ("PROGRAM") and adopted the 2016 Measure B Program Category Guidelines; and

D. Whereas, the PROGRAM includes a "Highway Interchange" program category (HIGHWAY IC CATEGORY), which includes a list of eligible projects, that funds highway projects throughout the valley; and

E. Whereas, CITY and VTA each recognize the need to improve traffic operations and improve circulation in the City of Milpitas in the County of Santa Clara by adding a high occupancy vehicle (HOV) bypass lane at the westbound SR 237/Calaveras Boulevard on ramp and by extending the westbound SR 237/McCarthy Boulevard HOV bypass lane across the McCarthy Boulevard/Calaveras Boulevard intersection limit line, hereinafter referred to as "PROJECT;" and

F. Whereas, the PROJECT is eligible for HIGHWAY IC CATEGORY funds; and

G. Whereas, the 2016 Measure B Program Category Guidelines for the HIGHWAY IC CATEGORY requires a minimum 10% non-2016 Measure B contribution for development of PROJECT.

H. Whereas, this Agreement is intended to delineate the duties, and funding responsibilities of the Parties for the PROJECT.

NOW, THEREFORE, in consideration of the mutual promises contained in this Agreement, the Parties agree as follows:

II. AGREEMENT

1. **The PROJECT.** The Parties agree to construct the Project pursuant to the terms and conditions set forth herein.

2. **Cost of PROJECT.** The anticipated total cost of PROJECT is $2,000,000 (Two million dollars).

3. **CITY's Financial Contribution for PROJECT.** CITY agrees to contribute to the PROJECT an amount not to exceed TWO-HUNDRED THOUSAND ($200,000) dollars (hereinafter, "CITY's Contribution") towards the development of PROJECT.

   Upon execution of the Agreement, VTA shall invoice CITY for the CITY's Contribution, and, upon receipt, will deposit the CITY's Contribution into an interest-bearing account. CITY shall pay to VTA the CITY's Contribution within thirty (30) calendar days after receipt of invoice.

   CITY's Contribution and any interest earned will be considered toward the required minimum 10% non-2016 Measure B contribution for the listed cost of PROJECT as identified in the 2016 Measure B Program Category Guidelines for the HIGHWAY IC CATEGORY.

4. **City's Role in PROJECT.**

   During the term of the PROJECT, CITY shall provide CITY staff oversight of, and participation in, the PROJECT, and necessary and appropriate coordination with all departments of the CITY. CITY will issue, if required, necessary encroachment permits for the PROJECT at no cost. The CITY shall provide timely reviews, comments, and approvals of PROJECT's documents submitted by VTA to CITY. CITY will attend any Project Development Team meetings. CITY costs to administer and participate in PROJECT as described in this Agreement will not be allowable costs against CITY's Contribution.

5. **VTA's Role in PROJECT.**

   a. Tasks. VTA shall perform and/or be responsible for the following tasks to complete the PROJECT:

      i. Serve as project manager for PROJECT;
      ii. Coordinate with the State of California as necessary to allow for its review and approval of PROJECT;

iii. Obtain all necessary permits and rights of way for PROJECT; and
iv. Conduct preliminary engineering, and planning activities for PROJECT.
v. Complete Environmental Clearance and Permit Engineering Evaluation Report (PEER)
vi. Complete Construction of the PROJECT

Costs and expenses to perform these tasks shall be considered allowable costs and expenses pursuant to this Agreement.

b. Consultants. VTA may retain design consultants to perform any of the functions listed in Section 4(a). VTA's administrative costs to procure and manage consultant agreements as well as the actual costs of such consultants shall be allowable costs pursuant to this Agreement.

c. Project Cost Updates. VTA shall actively monitor actual PROJECT expenditures to ensure that CITY's Contribution is used to pay for allowable PROJECT expenditures.

If an amount exceeding $2,000,000 is required to complete PROJECT, VTA shall notify CITY in writing that additional funds are needed pursuant to Section II Article 7. VTA shall not perform any work beyond the amount of funds provided in Section II, Articles 2 and 3 until an amendment to this AGREEMENT is executed, adding funds to cover PROJECT completion.

d. Other Project Management Duties VTA shall include CITY staff as an active participant within VTA's project management process, VTA will hold periodic meetings as agreed upon by the PROJECT team to assess the progress of PROJECT and address PROJECT issues as they arise.

6. **Use of CITY's Contribution.** VTA will use the CITY's Contribution and the interest earned thereon for allowable costs and expenses related to work on the PROJECT, as set forth in this Agreement. The use of the City's Contribution shall not exceed 10% of total allowable costs incurred to date. Any portion of the City Contribution not used shall be returned to the City upon termination of the PROJECT and/or this Agreement.

7. **Additional Funds.** The final PROJECT cost may ultimately exceed current cost estimates. Any additional eligible costs resulting from increased contract prices or change orders arising from unforeseen conditions shall be submitted to CITY for review and CITY's responsibility for such additional costs shall not exceed 10% of the total PROJECT cost.

8. **Compliance with Governmental Requirements.** VTA shall comply with all laws and regulations pertaining to the PROJECT.

9. **Compliance with 2016 Measure B requirements.** VTA and CITY will comply with all 2016 Measure B requirements as identified in the 2016 Measure B Program and Program Guidelines for the HIGHWAY IC CATEGORY.

10. **Term of Agreement.** This Agreement shall become effective upon full execution and shall remain in effect through the earlier of: (i) December 31, 2023, or (ii) completion of PROJECT. If the PROJECT is delayed beyond December 31, 2023, or cancelled completely, either Party may terminate this Agreement which can be accomplished by either Party giving written notice to the other Party of such termination.

11. **Audit and Record Retention.** CITY may audit the expenses incurred in the performance of this Agreement. VTA shall retain all records related to the PROJECT for three (3) years after the completion of PROJECT. During this period, VTA shall make these records available to the City for inspection within a reasonable time, upon City's written request. VTA will repay any portion of the City Contribution used for unallowable expenses as determined by the audit.

12. **Parties' Representatives.** The General Manager of VTA, or the General Manager's designee, is hereby made the representative of VTA for all purposes under this Agreement. The Director of the Public Works for CITY ("Director"), or the Director's designee, is hereby made the representative of CITY for all purposes under this Agreement.

13. **Indemnification.**

    a. Neither VTA nor any officer or employee thereof shall be responsible for any damage or liability occurring by reason of CITY's negligence, recklessness, or willful misconduct under or in connection with any work, authority or jurisdiction associated with the PROJECT. In addition, CITY shall fully indemnify and hold VTA harmless from any liability imposed for injury (as defined by Government Code §810.8) occurring by reason of CITY's negligence, recklessness, or willful misconduct under or in connection with any work, authority or jurisdiction delegated to CITY under this Agreement. This provision will survive the termination or expiration of this Agreement.

    b. Neither CITY nor any officer or employee thereof shall be responsible for any damage or liability occurring by reason of VTA's negligence, recklessness, or willful misconduct in the completion of any work associated with the PROJECT. In addition, VTA shall fully indemnify and hold CITY harmless from any liability imposed for injury (as defined by Government Code §810.8) occurring by reason of VTA's negligence, recklessness, or willful misconduct in the completion of the work, undertaken by VTA pursuant to this Agreement. This provision will survive the termination or expiration of this Agreement.

14. **No Waiver.** The failure of either Party to insist upon the strict performance of any of the terms of this Agreement shall not be deemed a waiver of any right or remedy that either Party may have, and shall not be deemed a waiver of their right to require strict performance

of all of the terms thereafter.

15. **Notice.** Any notice required to be given by either Party, or which either Party may wish to give, shall be in writing and served either by personal delivery or sent by certified or registered mail, postage prepaid, addressed as follows:

To VTA: Santa Clara Valley Transportation Authority
Casey Emoto, Interim Chief Planning and Engineering Officer
3331 North First Street, Bldg. B
San Jose, CA 95134-1906
casey.emoto@vta.org

To CITY: City of Milpitas
Steve Erickson, City Engineer/Engineering Director
Department of Public Works
455 E. Calaveras Blvd.
Milpitas, CA 95035
serickson@ci.milpitas.ca.gov

Notice shall be deemed effective on the date personally delivered or, if mailed, three (3) days after deposit in the United States mail.

16. **Dispute Resolution.** If a question arises regarding interpretation of this Agreement or its performance, or the alleged failure of a Party to perform, the Party raising the question or making the allegation shall give written notice thereof to the other Party. The Parties shall promptly meet in an effort to resolve the issues raised. If the Parties fail to resolve the issues raised, alternative forms of dispute resolution, including mediation or arbitration, may be pursued by mutual agreement. It is the intent of the Parties to the extent possible that litigation be avoided as a method of dispute resolution.

17. **Entire Agreement.** This Agreement constitutes the entire Agreement between the Parties pertaining to the subject matter contained therein and supersedes all prior or contemporaneous agreements, representations and understandings of the Parties relative thereto.

18. **Amendments.** No alteration or variation of the terms of this Agreement will be valid unless made in writing and signed by both of the Parties hereto, and no oral understanding or agreement not incorporated herein will be binding on any of the Parties hereto.

19. **Warranty of Authority to Execute Agreement.** Each Party to this Agreement represents and warrants that each person whose signature appears hereon has been duly authorized and has the full authority to execute this Agreement on behalf of the entity that is a Party to this Agreement.

20. **Severability**. If any term, covenant, condition or provision of this Agreement, or the application thereof to any person or circumstance, shall to any extent be held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the terms, covenants, conditions and provisions of this Agreement, or the application thereof to any person or circumstance, shall remain in full force and effect and shall in no way be affected, impaired or invalidated thereby.

21. **Governing Law**. The laws of the State of California will govern this Agreement, as well as any dispute that might arise between VTA and CITY, without regard to conflict of law provisions.

WITNESS THE EXECUTION HEREOF the day and year first hereinabove set forth.

"CITY" City of Milpitas a municipal corporation	"VTA" Santa Clara Valley Transportation Authority a public agency
Steven McHarris Interim City Manager	Nuria I. Fernandez General Manager/CEO
Date	Date
APPROVED AS TO FORM:	APPROVED AS TO FORM:
Christopher Diaz City Attorney	Victor Pappalardo Senior Assistance Counsel

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	Introduce Ordinance No. 65.148 Adopting by Reference the 2019 California Energy Code with Amendments; introduce Ordinance No. 65.149 Adopting by Reference the 2019 California Green Building Standards Code with Amendments; and Set a Public Hearing on December 3, 2019 for Adoption of the Ordinances
Category:	Community Development
Meeting Date:	11/5/2019
Staff Contact:	Sharon Goei, 408-586-3260; Bill Tott, 408-586-3263
Recommendation:	1. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.148 amending Chapter 11 of Title II of the Milpitas Municipal Code adopting by reference the 2019 California Energy Code with amendments. 2. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.149 amending Chapter 19 of Title II of the Milpitas Municipal Code adopting by reference the 2019 California Green Building Standards Code with amendments. 3. Set a public hearing on December 3, 2019, pursuant to California Government Code Section 50022.3, for adoption of the Ordinances.

Executive Summary:

Staff recommends adopting local amendments to the 2019 California Energy Code pertaining to building electrification, mixed fuel construction, and solar photovoltaic systems, and the 2019 California Green Building Standards Code pertaining to electric vehicle (EV) charging for new residential and non-residential construction. These local amendments, referred to as reach codes, would exceed the requirements in the 2019 state codes to more effectively combat climate change and meet established state targets for reducing greenhouse gas emissions (GHG). The proposed reach codes for Milpitas provide pathways/options and offer a balanced approach to new residential and non-residential construction. They were largely based on the model code amendment initiated by Silicon Valley Clean Energy and incorporate adjustments as a result of outreach and stakeholder input from the Milpitas community. Adopting the proposed reach codes will help reduce GHG emissions for new construction, improve indoor air quality and the safety of our building stock, support affordable housing, and stimulate the use of electric vehicles in the Milpitas community.

In order to make amendments to the California Building Standards Code, the City must make express findings that the amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions. These findings are contained in the proposed ordinance.

This report provides an overview of: 1) the reach code adoption process; 2) statewide cost-effectiveness studies for electrification reach codes for new residential and nonresidential buildings; 3) regional reach code focus and local engagement efforts; 4) benefits to low-income communities; and 5) proposed Milpitas reach code amendments to the California Energy Code and Green Building Standards Code (CALGreen) for the 2019 triennial code adoption cycle.

Background:

The City of Milpitas has demonstrated leadership in sustainability, especially over the past seven years in which the City installed 895 kW of solar photovoltaic panels at three City facilities including the Sports C[illegible] adopted its first Climate Action Plan (CAP) for reducing greenhouse gas emissions (GHG) through 202[illegible]

update is planned for 2020), and launched a community scale carbon-free electricity endeavor through participation in the Silicon Valley Clean Energy (SVCE) program.

Through the SVCE community choice energy provider of carbon-free electricity (with opt-up to 100% renewable electricity), almost 97% of Milpitas resident and businesses now enjoy receiving carbon-free electricity and over $1.2 million savings in on-bill charges while significantly reducing GHG. While these savings and reductions in GHG represent significant actions, more needs to be done to minimize climate change and meet State established GHG reduction targets.

The most recent State target was set by Governor Brown's Executive Order EO B-55-18, signed on September 10, 2018, which establishes the goal for the state to be carbon neutral as soon as possible, and no later than 2045.

Based on the City and state goals to reduce GHG emissions, electrification retrofits will be necessary and ultimately required for renovation of existing buildings and new buildings constructed under current standards. Addressing electrification now in new buildings avoids hardships for tenants and retrofit costs for building owners in the future and acknowledges the GHG impacts under current construction practices, especially when considering the benefits of building and transportation electrification when paired with carbon-free electricity that is provided by SVCE.

Every three years, the State of California adopts new building standards that are organized in Title 24 of the California Code of Regulations, referred to as the California Building Standards Code. This regular update is referred to as a "code cycle." The last code cycle was adopted in 2016 and was effective on January 1, 2017. The next code cycle will be adopted in 2019 and will be effective January 1, 2020. Cities and counties have the authority to adopt local amendments ("reach codes") that require new development projects to exceed minimum requirements in the California Energy Code and California Green Building Standards Code (also known as CALGreen).

The City of Milpitas is participating in the Silicon Valley Clean Energy reach code grant offering, which will provide $10,000 to the City for presenting reach codes to the City Council for consideration. Please see Attachment H for the SVCE Letter of Interest for the $10,000 grant.

Analysis:

Proposed Code Amendments

A. Energy Code

New to the 2019 California Energy Code is an all-electric pathway for energy efficiency compliance. This all-electric pathway is NOT a reach code amendment but one of two general paths that developers and builders can choose from to provide enhanced electrification and GHG reduction. The other pathway is where reach codes can be provided, and utilizes mixed fuel construction in new buildings, with some paths using more electrification and some using less. Please see the proposed ordinance Attachment A for the Energy Code amendment language regarding the various mixed fuel options that can be found in the proposed ordinance. Staff has also prepared a summary of the reach code technical information in an easier-to-digest format in Attachment C. The summary shows the various performance and prescriptive pathways that are available under the proposed reach code amendments to the Energy Code.

Regarding solar photovoltaic mandatory requirements for non-residential buildings, new buildings with less than 10,000 square feet floor area need to provide a minimum 3-kW solar photovoltaic system. New buildings with 10,000 square feet floor area or more need to provide a minimum 5-kW solar photovoltaic system. The reach code also provides an alternative to the solar photovoltaic system by providing a solar hot water system (solar thermal) for non-residential buildings. These requirements were adapted as part of the model reach code to provide the ability for projects to offset added electrical load on the utility grid.

The proposed reach code is largely based on the model code amendment developed by Silicon Valley Clean Energy, which has been vetted through considerable research and public review. Staff also incorporated adjustments in the proposed reach code as a result of stakeholder input from the Milpitas community. The proposed reach codes for Milpitas provide pathways/options and offer a balanced approach to new residential and non-residential construction.

B. Green Building Standards Code (CALGreen)

It is widely known that availability of electric vehicle (EV) charging infrastructure is a critical component to EV adoption. Retrofitting existing buildings with EV charging infrastructure is significantly more expensive than it is during new construction.

EV reach codes will ensure that newly constructed buildings have ample EV charging capability to reduce long term costs of EV infrastructure installation while helping to increase EV adoption and decrease transportation related GHG emissions which account for approximately 50% of total GHG emissions.

The proposed reach code amendments will provide a higher percentage of charging infrastructure in new construction through a combination of Level 1 and Level 2 circuits with varying readiness. Please see Attachment B for the code amendment language and Attachment D - Summary of proposed Green Building reach codes for more details on the proposed EV charging reach code amendments.

Costs/Benefits of Proposed Amendments

A. Statewide Cost-Effectiveness Study

Funded by the California Investor-Owned Utilities (IOUs) such as Pacific Gas and Electric (PG&E), the California Statewide Codes and Standards Program (Statewide Program) completed cost-effectiveness studies for new residential and non-residential construction, for use statewide in the current building code cycle. The reach code cost-effectiveness study for nonresidential new construction is posted at https://peninsulareachcodes.org/wp-content/uploads/2019/09/2019-NR-NC-Cost-Effectiveness-Study-2019-07-25.pdf. The residential cost-effectiveness study is posted at https://peninsulareachcodes.org/wp-content/uploads/2019/09/2019-Res-NC-Reach-Codes.pdf. The proposed Milpitas reach codes are based on data in these studies, specific to Climate Zone 4. These studies are required for California Energy Commission (CEC) review and approval of amendments to the California Energy Code.

B. Project Feasibility

While the environmental benefits of reach codes for building electrification and EV charging have been well-documented, there have been concerns expressed by the development community on the financial impact on project feasibility due to increased construction costs associated with reach codes.

According to the statewide cost-effectiveness studies noted in the previous section, all-electric buildings offer savings on “first” construction costs for all building types when compared to mixed fuel buildings in all climate zones.

These same studies do account for the increased “first” construction costs for mixed fuel construction, but the Nonresidential and Low Rise Residential New Construction cost-effectiveness studies above found all mixed fuel building prototypes in Climate Zone 4 to be cost-effective when using the time dependent valuation of energy (TDV) methodology. This methodology intends to capture the “societal value” or cost of energy use including long term projected costs such as the cost of providing energy during peak periods of demand, projected costs for carbon emissions, and grid transmission impacts. Energy use is valued differently depending on the fuel (natural gas, electricity), time of day, and season. Electricity used (or saved) during peak periods has a much higher value than electricity used (or saved) during off-peak periods. This is the methodology used by the Energy Commission in evaluating cost-effectiveness for efficiency measures in reach codes.

C. Building Electrification

The interest in building electrification and renewable energy is partially derived from the impetus provided by Silicon Valley Clean Energy (SVCE) which has been providing 100% carbon-free electricity for the City of Milpitas since June 2018. Greenhouse gas emissions (GHG) has been reduced by 59.3 million pounds from June to September 2018. Further elimination of natural gas usage through building electrification would greatly reduce greenhouse gas emissions. Building emissions of GHG account for approximately 35% of total GHG emissions.

Other benefits of electrification and renewable energy include on-bill savings for SVCE customers, cleaner, heathier indoor air quality, and greater safety due to the elimination of toxic and potentially lethal products of gas combustion such as carbon monoxide. For these reasons, there is considerable interest in promoting higher levels of all-electric new construction, or “building electrification,” which is now available for the first time through the pathway provided by the 2019 Energy Code.

SVCE has taken the lead in Santa Clara County for researching and developing prototype standards for the reach codes, Staff have worked closely with SVCE and its consultants to interpret and apply the 2019 cost-effectiveness studies for low-rise residential and nonresidential new construction to the Milpitas reach code. The proposed electrification reach code for Milpitas is in alignment with the requirements of the California Energy Commission (CEC) for cost-effectiveness in terms of both construction costs and on-bill costs of consumers. In addition, the cost-effectiveness analysis show that all-electric buildings are usually less expensive to construct than mixed-fuel buildings.

D. Electric Vehicle Charging Infrastructure (EVCI)

Based on an analysis by consultants at the New Buildings Institute, of additional costs of implementing various EV infrastructure measures for a 92,000 square foot multi-family building and a 100,000 square foot office (nonresidential) building, each with 100 parking spaces, staff developed the table below for proposed EV infrastructure reach code requirements for Milpitas.

The table illustrates how additional EV infrastructure requirements could impact first construction costs as compared to the base 2019 CALGreen code using the proposed EV infrastructure reach code requirements for Milpitas. It also shows what the additional cost of the Milpitas EV infrastructure reach code would add to the project cost, expressed as a percentage of the total project cost. The result is a very low percentage.

EV Infrastructure Additional Construction Costs for a Multi-Family and a Non-Residential Office Building

	Multi-family 2019 CALGreen	Multi-family Reach Code	Non-Residential Office 2019 CALGreen	Non-Residential Office Reach Code
EV Capable Spaces[1]	10	35	6	20
EV Ready Spaces[1]	0	20	0	10
EV Installed Spaces[1]	0	0	0	5
Total Cost of EV Capable (w/ 8A capacity)	$ 9,900	$ 34,650	$ 5,940	$ 19,800
Total Cost of EV Ready	-	$ 26,600	-	$ 13,300
Total Cost of EV Installed	-	-	-	$ 24,750
Total EVCI Cost	$ 9,900	$ 61,250	$ 5,940	$ 57,850
Total Cost less CALGreen		$ 51,350		$ 51,910
Total Project Cost[2]		$ 23,000,000		$ 30,000,000
Additional Cost of reach code over 2019 CALGreen as a percentage of Total Project Cost[3]		0.22%		0.17%

Notes:

[1]Costs per space: Capable $990; Ready $1330; Installed $4950.

[2]Assumed $250/sf for a 92,000 sf MF development and $300/sf for a 100,000 sf NR office building.

[3]Additional utility infrastructure costs may be incurred (transformer, switch gear) but are not included.

Note that while construction costs will be incurred, there are numerous state and federal incentive and rebate programs available to offset or reduce the "first" costs. One such program is posted at the Bay Area Air Quality Management District website http://www.baaqmd.gov/funding-and-incentives/businesses-and-fleets/charge.

Staff have worked closely with SVCE and the Statewide Program's team to establish new construction EV requirements which are more in-line with local EV adoption trends, while providing flexibility for the developer and keeping construction costs as low as possible.

Documentation provided by SVCE indicates that transportation emissions of GHG are approximately 50% of total GHG emissions.

Local residents are showing a significant interest in electric vehicles. For example, the number of registered plug-in vehicles in Santa Clara County increased by 31% in 2018. By comparison, registrations for vehicles powered by fossil fuels shrank in 2018.

Recent data compiled through surveys of potential electric vehicle customers and other sources indicates that the availability of EV charging infrastructure is a critical component to EV adoption. It is significantly more expensive to install charging infrastructure as a retrofit than during new construction. As such, ensuring that newly constructed residential and non-residential parking has ample EV charging capability will reduce long-term costs of EV infrastructure installation, while helping to increase EV adoption and decrease transportation-related greenhouse gas emissions.

While California's new minimum requirements are a step forward, it is unlikely that the requirements for multi-family dwellings and non-residential buildings are enough to keep pace with expected EV growth looking towards 2030. The Statewide Program's team reviewed approaches to increase the amount of EV infrastructure in new construction, while keeping construction costs as low as possible.

E. Low-Income Communities

A recent study by U.S. Environmental Protection Agency (EPA) scientists shows that low-income communities are disproportionally affected by air pollution. It is imperative that clean fuel options such as electricity produced using solar, wind and hydro power are incorporated into Milpitas' low-income housing community to promote reduction of indoor and outdoor air pollution.

EV charging requirements have been perceived by some to be incongruent with low-income housing needs; however, recent studies suggest otherwise. EVs and hybrids are becoming more affordable and their fuel costs are considerably lower than fossil fuel powered vehicles. Recent market research suggests that prices are falling at a dramatic rate due to lowering battery costs and government rebate programs. According to a CB Insights Report, the general industry consensus is that EVs will reach price analogy with fossil fuels, possibly as early as 2021. The report can be found at https://www.cbinsights.com/research/report/electric-car-race/#8.

Further lowering upfront costs, the California Clean Vehicle Rebate Project offers rebates of up to $4,500 with additional rebates for low-income buyers for purchase or lease of new eligible battery electric vehicles. Compared with $2,550 per year for fossil fuel vehicles, a similar EV will save the average user an estimated $10,000 in fuel costs over 10 years at current fuel and PG&E utility rates.

For these reasons, accelerating the rate of EV charging access infrastructure through the proposed Milpitas reach codes is just as relevant if not more critical to low-income below market rate housing as market-based or commercial projects.

Reach Code Efforts in Other Jurisdictions

Current regional reach code efforts are focused on residential and non-residential new construction and electric vehicle infrastructure (EVCI), to incentivize or require the following:

- All-electric buildings for new construction
- Mixed fuel (e.g. natural gas and electric) buildings, including electrification readiness
- Additional EVCI requirements for all building types to further prepare for current and future anticipated electric vehicle (EV) uptake

Nineteen cities, including eight in the Bay Area including San Francisco, Oakland, and Fremont, adopted reach codes in the current 2016 code cycle for electrification, solar photovoltaic, and electric vehicle infrastructure.

According to the CEC, over 45 Bay Area cities have adopted or are considering reach codes, with a focus on encouraging or requiring building and/or transportation electrification for implementation in the 2019 building code cycle. Bay area cities include the following:

- 8 in Alameda County
- 19 in San Mateo County
- 14 in Santa Clara County
- 5 in Sonoma County

Please refer to Attachment I for a list and comparison of reach code efforts in other cities.

Milpitas Public Outreach

A. Comments at Community Meetings

Staff conducted a series of outreach and engagement meetings with stakeholders and community members on the proposed reach codes. These include the August 15 Community Development Roundtable initial discussion, August 21 presentation to the Energy and Environmental Sustainability Commission, and September 12 and October 7 in-depth discussions with Milpitas staff, SVCE representatives, developers, and community members.

The feedback from the outreach meetings was generally supportive, with most support garnered from design professionals who have done all-electric buildings, Milpitas residents who acknowledged the growing climate change crisis and applauded our reach code efforts. Support was expressed by others to promote electrification in construction practices.

However, larger developer/builders voiced general concerns over the possibility of increased construction costs and market forces that they felt are more favorable toward the use of natural gas appliances, particularly cooking appliances. Heightened concerns were expressed over the proposed EV charging infrastructure reach code initially proposed by City staff. In response, SummerHill Apartment Communities presented an alternative proposed EV reach code that was endorsed by Lyon Living. This proposal was reviewed by staff and the current version represents a blend of the initial staff proposal and the alternative developer proposal. These adjustments were felt to be a reasonable compromise given the real-world specific calculations and information provided by SummerHill and endorsed by Lyon Living.

See Attachment E for SummerHill's comments, their EV infrastructure proposal, and Lyon Living's comments.

B. Other Stakeholder Comments

Pacific Gas and Electric (PG&E) forwarded an e-mail letter (Attachment F) to the City stating its commitment to helping communities achieve their energy goals and welcomed the opportunity to support the City of Milpitas' efforts to promote efficient and cost-effective electrification in new construction.

The Western Propane Gas Association (WPGA) forwarded an e-mail letter (Attachment G) to the City stating the belief that reach codes disincentivize propane as a complementary fuel source to electric. The letter elaborates on the reasons why the WPGA holds this belief. In response, the proposed Milpitas Energy reach code includes mixed-fuel buildings, which includes propane and natural gas. The all-electric pathway is certainly there, but it is not mandated to use this option for any of the various buildings and occupancy types.

Effective Date of Code Amendments

The Energy Code amendments pertaining to building electrification and mixed fuel construction are required to be approved by the California Energy Commission (CEC). For these amendments to be approved by the CEC, they must: 1) be at least as stringent as the statewide code; 2) be cost effective as defined by standards set by the CEC; 3) be submitted and approved by the CEC; and 4) not preempt federal appliance regulations. Upon approval by the CEC, the Energy Code amendments are filed with the California Building Standards Commission (BSC). This portion is a ministerial review and documentation process only.

The Energy Code amendments become effective and enforceable by the City on the date of approval by the CEC. If adopted by the City Council on December 3, 2019, staff projects that the Milpitas amendments to the Energy Code will become effective and enforceable in February or March 2020 given the 60-day public comment period required by the CEC review/approval process.

The CALGreen amendments pertaining to EV charging do not require submittal and approval by the CEC. If adopted by the City Council on December 3, 2019, these amendments will become effective on January 1, 2020 along with the 2019 CALGreen.

Policy Alternative:

Alternative 1: Adopt the 2019 California Energy Code and/or Green Building Standards Code as written without local amendments (reach codes).

Pros: No additional work is needed. The section for amendments would be removed from each Ordinance.

Cons: Without reach codes, it would be increasingly difficult to achieve some of the established goals in the Milpitas Climate Action Plan that is slated to be upgraded in 2020. Also, the opportunity to participate with other local jurisdictions in the efforts to accelerate Energy and Green Building Code requirements to achieve the state mandated goals for greenhouse gas emission reductions by 2020, 2030, and 2050, would be lost.

Instituting accelerated levels of building electrification and electric vehicle charging requirements with this code cycle will have lasting impacts as buildings constructed under this code cycle will have significant carbon reductions for the 30-40-year life span of the buildings. An added benefit to enacting the reach codes now is the avoidance of the higher costs to retrofit buildings later, and the inconvenience to tenants.

Reason for Not Recommending: This alternative is not recommended because of the loss of opportunity to increase the City's efforts toward achieving a higher, earlier use of renewable energy, and the reduction of GHG emissions.

Fiscal Impact:

There is no cost to the City other than administrative staff time and expense.

California Environmental Quality Act:

The action being considered has no potential for causing a significant effect on the environment and is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15061(b)(3).

Recommendations:

1. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.148 amending Chapter 11 of Title II of the Milpitas Municipal Code adopting by reference the 2019 California Energy Code with amendments.
2. Following the City Attorney's reading of the title, move to waive the first reading beyond the title and introduce Ordinance No. 65.149 amending Chapter 19 of Title II of the Milpitas Municipal Code adopting by reference the 2019 California Green Building Standards Code with amendments.
3. Set a public hearing on December 3, 2019, pursuant to California Government Code Section 50022.3, for adoption of the Ordinances.

Attachments:

A. Ordinance No. 65.148 – adopting by reference the 2019 California Energy Code with amendments
B. Ordinance No. 65.149 – adopting by reference the 2019 California Green Building Standards Code with amendments
C. Summary of proposed Energy reach codes (proposed amendments to the 2019 California Energy Code)
D. Summary of proposed Green Building reach codes (proposed amendments to the 2019 California Green Building Standards Code)
E. SummerHill comments, EV infrastructure proposal, and Lyon Living comments
F. PG&E letter
G. WPGA letter
H. SVCE Letter of Interest (LOI) for $10,000 Reach Code Grant
I. Reach Code Efforts in Other Cities

REGULAR

NUMBER: **65.148**

TITLE: **AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MILPITAS AMENDING CHAPTER 11 OF TITLE II OF THE MILPITAS MUNICIPAL CODE ADOPTING BY REFERENCE THE 2019 CALIFORNIA ENERGY CODE WITH AMENDMENTS**

HISTORY: This Ordinance was introduced (first reading) by the City Council at its meeting of _____, 2019, upon motion by _____, and was adopted (second reading) by the City Council at its meeting of _____, upon motion by _____. The Ordinance was duly passed and ordered published in accordance with law by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

RECITALS:

WHEREAS, the California Building Standards Commission has adopted and published an updated Title 24 of the California Code of Regulations, also referred to as the 2019 California Building Standards Code, that will become effective statewide on January 1, 2020; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 establish the authority for a city to adopt and make local amendments and modifications to the building standards in the California Building Standards Code to establish more restrictive building standards than those contained in the California Building Standards Code; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 permit a city to make such local amendments and modifications as the city determines are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 require a city, before making any amendments and modifications to the California Building Standards Code, make an express finding that such amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City of Milpitas has reviewed and intends to adopt the 2019 California Energy Code; and

WHEREAS, pursuant to Public Resources Code Section 25402.1(h)(2), Section 10-106 Locally Adopted Energy Standards of the California Administrative Code, Title 24 of the California Code of Regulations, Part I, and the California Energy Commission's submission and approval process, the City Council finds that the requirements below will save energy and are cost-effective within the City; and

WHEREAS, the City Council wishes to amend portions of the California Energy Code to better address local conditions and makes express findings that such amendments are reasonably necessary because of local climatic, geological or topographical conditions as set forth in this Ordinance; and

WHEREAS, the City Council affirms that such modifications will result in designs that consume no more energy than that permitted under the 2019 California Energy Code.

NOW, THEREFORE, the City Council of the City of Milpitas does ordain as follows:

SECTION 1. RECORD AND BASIS FOR ACTION

The City Council has duly considered the full record before it, which may include but is not limited to the staff report, testimony by staff and the public, and other materials and evidence submitted or provided to the City Council. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

SECTION 2. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The City Council hereby finds and determines that this Ordinance has been assessed in accordance with the California Environmental Quality Act (Cal. Pub. Res. Code, § 21000 et seq.) ("CEQA") and the State CEQA Guidelines (14 Cal. Code Regs. § 15000 et seq.) and is categorically exempt from CEQA under CEQA Guidelines, § 15061(b)(3), which exempts from CEQA any project where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment. Adoption of the proposed Ordinance would not be an activity with potential to cause significant effect on the environment

because the changes made to the California Energy Code within are enacted to provide more protection to the environment, and therefore is exempt from CEQA. It is also exempt from CEQA pursuant to CEQA Guidelines, § 15038 which exempts actions taken by regulatory agencies for the enhancement and protection of the environment. As such, the Ordinance is categorically exempt from CEQA.

SECTION 3. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE II, CHAPTER 11

Chapter 11 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Chapter 11 ENERGY CODE

Sections:
Section 1 – Adoption of the Energy Code
Section 2 – Amendments to the Energy Code

Section 1 Adoption of the Energy Code

II-11-1.01
The 2019 California Energy Code, published and copyrighted by the International Code Council, Inc. and the California Building Standards Commission in Part 6 of Title 24 of the California Code of Regulations, is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The adoption includes Appendices 1-A and 1-B. The 2019 California Energy Code shall be designated and referred to as the "Energy Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Section 2 Amendments to the Energy Code

II-11-2.01
Amend Section 100.1(b) of the Energy Code by adding the following definitions to read as follows:

ALL-ELECTRIC BUILDING is a building that has no natural gas or propane plumbing installed within the building and that uses electricity as the only source of energy for space heating, water heating (including pools and spas), cooking appliances, and clothes drying appliances.

CERTIFIED ENERGY ANALYST is a person registered as a Certified Energy Analyst with the California Association of Building Energy Consultants as of the date of submission of a Certificate of Compliance as required under Section 10.103.

ELECTRICALLY HEATED MIXED-FUEL BUILDING is a mixed-fuel building that uses electricity as the source of energy for space heating and water heating appliances, including pools and spas, but uses gas or propane as fuel for cooking appliances or clothes drying appliances or is plumbed for such equipment.

FREE STANDING ACCESSORY DWELLING UNIT is a detached building that is not intended for sale separate from the primary residence, on a lot in any zoning district where a single-family detached primary dwelling or two-family dwelling has been legally established or is proposed to be established in conjunction with construction of an accessory dwelling unit, and does not exceed 50% of the existing living area or 800 square feet of total living area in the Non-Hillside Combining District, or 50% of the existing living area or 1,200 square feet in the Hillside Combining District, whichever is smaller.

MIXED-FUEL BUILDING is a building that is plumbed for the use of natural gas or propane as fuel for space heating, water heating (including pools and spas), cooking appliances or clothes drying appliances.

II-11-2.02
Amend Section 140.0(b) of the Energy Code to read as follows:

(b) The requirements of Sections 120.0 through 130.5 (mandatory measures for nonresidential, high-rise residential and hotel/motel buildings) and:

1. **Electric Readiness.** Mixed-fuel buildings shall include the following components for each gas terminal or stub-out for the appliance it is designed to serve:

A. Water Heating
   i. A dedicated 208 / 240-volt 30 amp or greater electrical receptacle that is connected to the electrical panel with conductors of adequate ampacity, installed within 3 feet from the water heater and accessible with no obstructions;
   ii. The ends of the conductors for this branch circuit terminating inside the electrical panel shall be labeled with the words "For Future Water Heating" and be electrically isolated;
   iii. A reserved double pole circuit breaker space in the electrical panel for the branch circuit above and labeled with the words "For Future Heat Pump Water Heater";
   iv. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

B. Clothes Drying

   i. A dedicated 208 / 240-volt, 40 amp or greater electrical receptacle that is connected to the electrical panel with conductors of adequate ampacity, installed within 3 feet of the appliance and accessible with no obstructions;
   ii. The ends of the conductors for this branch circuit terminating inside the electrical panel shall be labeled with the words "For Future Heat Pump Clothes Dryer" and be electrically isolated;
   iii. A reserved double pole circuit breaker space in the electrical panel for the branch circuit above and labeled with the words "For Future Heat Pump Clothes Dryer";
   iv. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

C. Cooktop or Range
   i. A dedicated 208 / 240-volt, 50 amp or greater electrical receptacle that is connected to the electrical panel with conductors of adequate ampacity, installed within 3 feet of the appliance and accessible with no obstructions;
   ii. The ends of the conductors for this branch circuit terminating inside the electrical panel shall be labeled with the words "For Future Electric Range" and be electrically isolated;
   iii. A reserved double pole circuit breaker space in the electrical panel adjacent to the branch circuit conductors and labeled with the words "For Future Electric Range";

iv. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

D. Stand-Alone Cooking Oven

i. A dedicated 208 / 240-volt, 50 amp or greater electrical receptacle that is connected to the electrical panel with conductors of adequate ampacity installed within 3 feet of the appliance and accessible with no obstructions;

ii. The ends of the conductors for this branch circuit terminating inside the electrical panel shall be labeled with the words "For Future Electric Oven" and be electrically isolated;

iii. A reserved double pole circuit breaker space in the electrical panel adjacent to the branch circuit conductors and labeled with the words "For Future Electric Oven";

iv. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

2. **Solar Photovoltaic Systems.** Solar photovoltaics shall be installed as follows:

A. New non-residential buildings with less than 10,000 square feet of gross floor area shall provide a minimum of a 3-kilowatt photovoltaic system.

B. New non-residential buildings greater than or equal to 10,000 square feet of gross floor area shall provide a minimum of a 5-kilowatt photovoltaic system.

EXCEPTION to Section 140.0(b)2: As an alternative to a solar photovoltaic system, all of the building types listed above may provide a solar hot water system (solar thermal) with a minimum collector area of 40 square feet, additional to any other solar equipment otherwise required for compliance with Part 6.

II-11-2.03

Amend Section 140.1 of the Energy Code to read as follows:

An addition to an existing building or a newly constructed All-Electric Building complies with the performance approach if the energy budget calculated for the Proposed Design Building under Subsection (b) is no greater than the energy budget calculated for the Standard Design Building under Subsection (a).

A newly constructed Mixed-Fuel Building complies with the performance approach if the energy budget calculated for the Proposed Design Building under Subsection (b) has a compliance margin, relative to the energy budget calculated for the Standard Design Building under Subsection (a), of at least the value specified for the corresponding occupancy type in Table 140.1 below.

Table 140.1 MIXED FUEL BUILDING COMPLIANCE MARGINS

Occupancy Type	Compliance Margins
Office / Mercantile	14%
All other occupancies	6%

(a) Energy Budget for the Standard Design Building. The energy budget for the Standard Design Building is determined by applying the mandatory and prescriptive requirements to the Proposed Design Building. The energy budget is the sum of the TDV energy for space-conditioning, indoor lighting, mechanical ventilation, service water heating, and covered process loads.

(b) Energy Budget for the Proposed Design Building. The energy budget for a Proposed Design Building is determined by calculating the TDV energy for the Proposed Design Building. The energy budget is the sum of the TDV energy for space-conditioning, indoor lighting, mechanical ventilation and service water heating and covered process loads.

(c) Calculation of Energy Budget. The TDV energy for both the Standard Design Building and the Proposed Design Building shall be computed by Compliance Software certified for this use by the Commission. The processes for Compliance Software approval by the Commission are documented in the ACM Approval Manual.

EXCEPTION to Section 140.1: For newly constructed buildings, if the Certificate of Compliance is prepared by a Certified Energy Analyst and the energy budget for the Proposed Design Building is no greater that the Standard design Building, the required compliance margin is reduced by 1%.

II-11-2.04
Amend Section 140.2 of the Energy Code to read as follows:

To comply using the prescriptive approach, a building shall be designed with and shall have constructed and installed systems and components meeting the applicable requirements of Sections 140.3 through 140.9 and additionally the following measures as applicable, intended to exceed the prescriptive requirements:

a) Mixed-Fuel Buildings of Hotel, Motel, and High-Rise Multifamily Occupancies
   1. Install fenestration with a solar heat gain coefficient no greater than 0.22.
   2. Design Variable Air Volume (VAV) box minimum airflows to be equal to the zone ventilation minimums.
   3. Include economizers and staged fan control in air handlers with a mechanical cooling capacity ≥ 33,000 Btu/h.
   4. Reduce the total lighting power density (Watts/ft^2) by ten percent (10%) from that required from Table 140.6-C.
   5. In common areas, without claiming any Power Adjustment Factor credits, do the following:
      A. Control to daylight dimming plus off per Section 140.6(a)2H; and
      B. Perform Institutional Tuning per Section 140.6(a)2J.
   6. Install one drain water heat recovery device per every three guest rooms that is field verified as specified in the Reference Appendix RA3.6.9.

b) All Other Mixed-Fuel Nonresidential Buildings
   1. Install fenestration with a solar heat gain coefficient no greater than 0.22.
   2. Limit the fenestration area on east-facing and west-facing walls to one-half of the average amount of north-facing and south-facing fenestration.
   3. Design Variable Air Volume (VAV) box minimum airflows to be equal to the zone ventilation minimums.
   4. Include economizers and staged fan control in air handlers with a mechanical cooling capacity ≥ 33,000 Btu/h.
   5. Reduce the total lighting power density (Watts/ft^2) by ten percent (10%) from that required from Table 140.6-C.
   6. Improve lighting without claiming any Power Adjustment Factor credits:
      A. In office spaces, control to daylight dimming plus off per Section 140.6(a)2H;
      B. Install Occupant Sensing Controls in Large Open Plan Offices per Section 140.6(a)2I;
      C. Perform Institutional Tuning per Section 140.6(a)2J.

II-11-2.05
Amend the first and second paragraph of Section 150.0 of the Energy Code to read as follows:

Low-rise residential buildings shall comply with the applicable requirements of Sections 150(a) through 150(s).

NOTE: The requirements of Sections 150.0(a) through 150.0(s) apply to newly constructed buildings, free standing accessory dwelling units, and additions. Sections 150.2(a) and 150.2(b) specify which requirements of Sections 150.0(a) through 150.0(s) also apply to additions or alterations.

II-11-2.06
Amend Section 150.0(h) of the Energy Code by adding item 5 to read as follows:

5. Systems using natural gas or propane space heating equipment shall include the following components:
   A. A designated exterior location for a future heat pump compressor unit with either a drain or natural drainage for condensate from possible future operation as cooling equipment.
   B. A dedicated 208/240 volt, 30 amp or greater electrical circuit that is connected to the electric panel with conductors of adequate capacity, terminating within 3 feet of the designated future location of the compressor unit, and accessible with no obstructions. In addition, all of the following:
      i. The ends of the conductors for the branch circuit terminating inside the electrical panel shall be labeled with the words "For Future Heat Pump Space Heater" and be electrically isolated;
      ii. A reserved double pole circuit breaker space in the electrical panel adjacent to the branch circuit conductors and labeled with the words "For Future Heat Pump Space Heater";
      iii. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

EXCEPTION to Section 150.0(h)5. If a 240-volt 30 amp or greater electrical circuit and compressor unit location exists for space cooling equipment.

II-11-2.07
Amend Section 150.0(n) item 1.A. of the Energy Code to read as follows:

1. Systems using natural gas or propane water heaters to serve individual dwelling units shall include the following components:
   A. A dedicated 240-volt, 30 amp or greater electrical receptacle that is connected to the electric panel with a 240 volt 3 conductor, 10 AWG copper branch circuit, within 3 feet from the water heater and accessible to the water heater with no obstructions. In addition, all of the following:
      i. The ends of the conductors for the branch circuit that terminates inside the electrical panel shall be labeled with the words "For Future Heat Pump Water Heater" and be electrically isolated;
      ii. A reserved double pole circuit breaker space in the electrical panel adjacent to the circuit breaker for the branch circuit in A above and labeled with the words "For Future Heat Pump Water Heater";

iii. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

II-11-2.08

Amend Section 150.0(n) of the Energy Code by adding item 5 to read as follows:

5. Systems using natural gas or propane water heaters to serve multiple dwelling units and/or common areas shall:
   A. Be located in a space that can accommodate a heat pump water heating system of equivalent capacity and performance; and
   B. Have a condensate drain that is no more than 2 inches higher than the base of the installed water heater, and allows natural draining without pump assistance; and
   C. Include designated raceways and reserved capacity on the main electrical panel and subpanels, if applicable, sufficient to power a heat pump hot water heater of equivalent capacity and performance. Plans shall include calculations and installations for equivalent capacity and performance, electrical power, conductors, raceway sizes and panel capacities in accordance with the California Electrical Code.

II-11-2.09

Amend Section 150.0 of the Energy Code by adding Subsection (s) to read as follows:

s) **Clothes Drying and Cooking.** Buildings plumbed for natural gas or propane clothes drying or cooking equipment shall include the following components for each gas terminal or stub out:
   1. Clothes Drying
      A. A dedicated 208/240-volt, 40 amp or greater electrical receptacle that is connected to the electric panel with conductors of adequate capacity, within 3 feet of the appliance and accessible with no obstructions;
      B. The ends of the conductors for the branch circuit terminating inside the electrical panel shall be labeled with the words, “For Future Heat Pump Clothes Dryer” and be electrically isolated;
      C. A reserved double pole circuit breaker space in the electrical panel adjacent to the branch circuit conductors and labeled with the words, “For Future Heat Pump Clothes Dryer”;
      D. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.
   2. Cooktop
      A. A dedicated 208/240-volt, 50 amp or greater electrical receptacle that is connected to the electric panel with conductors of adequate capacity, within 3 feet of the appliance and accessible with no obstructions;
      B. The ends of the conductors for the branch circuit terminating inside the electrical panel shall be labeled with the words, “For Future Electric Range” and be electrically isolated;
      C. A reserved double pole circuit breaker space in the electrical panel adjacent to the branch circuit conductors and labeled with the words, “For Future Electric Oven”;
      D. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.
   3. Stand Alone Cooking Oven
      A. A dedicated 208/240-volt, 50 amp or greater receptacle within 3 feet of the appliance and accessible with no obstructions;

B. The ends of the conductors for the branch circuit terminating inside the electrical panel shall be labeled with the words, “For Future Electric Oven” and be electrically isolated;
C. A reserved double pole circuit breaker space in the electrical panel adjacent to the branch circuit conductors and labeled with the words, “For Future Electric Oven”;
D. All electrical components including conductors, receptacles, and other components related to this section shall be installed in accordance with the current California Electrical Code.

II-11-2.10
Amend Section 150.1(b) item 1 through item 2 of the Energy Code to read as follows:

b) **Performance Standards**. A building complies with the performance standards if the energy consumption calculated for the Proposed Design Building is no greater than the energy budget calculated for the Standard Design Building using Commission-certified compliance software as specified by the Alternative Calculation Methods Approval Manual. Additionally, Mixed-Fuel Buildings must reach an EDR margin above the Standard Design in order to comply with performance standards.

1. **Newly Constructed Buildings.** The Energy Budget for newly constructed buildings is expressed in terms of the Energy Design Rating, which is based on TDV energy. The Energy Design Rating (EDR) has two components, the Energy Efficiency Design Rating, and the Solar Electric Generation and Demand Flexibility Design Rating. The Solar Electric Generation and Demand Flexibility Design Rating shall be subtracted from the Energy Efficiency Design Rating to determine the Total Energy Design Rating. The Proposed Building shall separately comply with the Energy Efficiency Design Rating and the Total Energy Design Rating in the following ways:

A. **All-Electric Building or a Free Standing Accessory Dwelling Unit.** All Electric Buildings or Free Standing Accessory Dwelling Units comply if both the Total Energy Design Rating and the Energy Efficiency Design Rating for the Proposed Design Building are no greater than the corresponding Energy Design Ratings for the Standard Design Building.
B. **Electrically-Heated Mixed-Fuel Buildings.** Buildings with a permanent supply of electricity as the only source of energy for water-heating and space-heating comply if:
   a. **Single family.** The energy consumption calculated for the Proposed Design Building shall be at least 2 EDR points less than the Energy Efficiency Design Rating calculated for the Standard Design Building.
   b. **Multifamily.** The energy consumption calculated for the Proposed Design Building shall be at least 1 EDR point less than the Energy Efficiency Design Rating calculated for the Standard Design Building.
C. **Mixed-Fuel Buildings**: A Mixed-fuel Building complies with the performance standards if the Energy Efficiency Design Rating of the Proposed Building is no greater than the Energy Efficiency Design Rating for the Standard Design Building and:
   a. **Single family**. The energy consumption calculated for the Proposed Design Building shall be at least 10 EDR points less than the Total Energy Design Rating calculated for the Standard Design Building.
   b. **Multifamily**. The energy consumption calculated for the Proposed Design Building shall be at least 11 EDR Points less than the Total Energy Design Rating calculated for the Standard Design Building.

EXCEPTION to Section 150.1(b)1.C. Buildings with limited solar access are excepted if all of the following are true:

a. The Total Energy Design Rating for the Proposed Building is no greater than the Standard Design Building; and
b. A photovoltaic (PV) system(s) meeting the minimum qualification requirements as specified in Joint Appendix JA11 is installed on all available areas of 80 contiguous square feet or more with effective annual solar access. Effective annual solar access shall be 70 percent or greater of the output of an unshaded PV array on an annual basis, wherein shade is due to existing permanent natural or manmade barriers external to the dwelling, including but not limited to trees, hills, and adjacent structures; and
c. The Energy Efficiency Energy Design Rating for the Proposed Building is no greater than the respective value for the Standard Design Building by the EDR margin in Table 150.1(b)1 below.

Table 150(b)1

Building Type	Energy Efficiency EDR Margin
Single Family	2
Multifamily	1

EXCEPTION to Section 150.1(b)1. A community shared solar electric generation system, or other renewable electric generation system, and/or community shared battery storage system, which provides dedicated power, utility energy reduction credits, or payments for energy bill reductions, to the permitted building and is approved by the Energy Commission as specified in Title 24, Part 1, Section 10-115, may offset part or all of the solar electric generation system Energy Design Rating required to comply with the Standards, as calculated according to methods established by the Commission in the Residential ACM Reference Manual.

2. **Additions and Alterations to Existing Buildings**. The Energy Budget for additions and alterations is expressed in terms of TDV energy. A building complies with the performance standards if the energy consumption calculated for the Proposed Design Building is no greater than the energy budget calculated for the Standard Design Building.

II-11-2.11

Amend Section 150.1(b) item 3A of the Energy Code to read as follows (note that Exception remains):

3. **Compliance Demonstration Requirements for Performance Standards.**
   A. **Certificate of Compliance and Application for a Building Permit.** The application for a building permit shall include documentation pursuant to Sections 10-103(a)1 and 10-103(a)2 which demonstrates, using an approved calculation method, that the building has been designed so that its Energy Efficiency Design Rating and the total EDR meets or exceeds the Standard design EDR for the applicable Climate Zone. The Certificate of Compliance must be prepared and signed by a Certified Energy Analyst.

II-11-2.12

Amend Section 150.1(c) of the Energy Code by adding item 15 to read as follows:

15. Additional Prescriptive Requirements for Mixed-Fuel Buildings.
   A. Mixed-Fuel Single Family
      a. Ducts shall comply with 2019 Reference Appendices RA3.1.4.1.3, which requires that all ductwork shall be located entirely in conditioned space and shall be confirmed to have

less than or equal to 25 cfm leakage to outside when measured as specified by Section RA3.1.4.3.8.

b. Slab floor perimeter insulation shall be installed with an R-value equal to or greater than R10. The minimum depth of concrete-slab floor perimeter insulation shall be 16 inches or the depth of the footing of the building, whichever is less.

c. Design the hot water distribution system to meet minimum requirements for the basic compact hot water distribution credit according to the procedures outlined in the 2019 Reference Appendices RA4.4.6.

d. Central Fan Integrated Ventilation Systems. The duct distribution system shall be designed reduce external static pressure to meet a maximum fan efficacy equal to:
Gas Furnaces: 0.35 Watts per cfm
Heat Pumps: 0.45 Watts per cfm,
according to the procedures outlined in the 2019 Reference Appendices RA 3.3.

e. Include either:
   i. 5 kWh battery of battery storage, OR
   ii. A solar water heating system with a minimum solar savings fraction of 0.20.

EXCEPTION to 150.1(c)15.A.e. Electrically-Heated Mixed-Fuel buildings do not need to include battery or solar water heating.

B. Mixed-Fuel Multifamily

a. Slab floor perimeter insulation shall be installed with an R-value of equal to or greater than R10. The minimum depth of concrete-slab floor perimeter insulation shall be 16 inches or the depth of the footing of the building, whichever is less.

b. Design the hot water distribution system to meet minimum requirements for the basic compact hot water distribution credit according to the procedures outlined in the 2019 Reference Appendices RA4.4.6.

c. Central Fan Integrated Ventilation Systems. Central forced air system fans used to provide outside air, shall have an air-handling unit fan efficacy less than or equal to 0.35 W/CFM. The airflow rate and fan efficacy requirements in this section shall be confirmed through field verification and diagnostic testing in accordance with all applicable procedures specified in Reference Residential Appendix RA3.3. Central Fan Integrated Ventilation Systems shall be certified to the Energy Commission as Intermittent Ventilation Systems as specified in Reference Residential Appendix RA3.7.4.2.

d. Include either:
   i. 2.75 kWh of battery storage per dwelling unit, OR
   ii. A solar water heating system with a minimum solar savings fraction of 0.20.

EXCEPTION to 150.1(c)15.B.d. Electrically Heated Mixed-Fuel buildings do not need to include battery or solar water heating.

e. All ductwork shall be located entirely in conditioned space with ducts tested to have less than or equal to 25 cfm leakage to outside. Ductwork shall meet the requirements of Verified Low Leakage Ducts in Conditioned Space (VLLDCS) in the 2019 Reference Appendices RA3.1.4.3.8.

f. Buildings with steep-sloped roofs shall have a minimum aged solar reflectance of 0.25.

II-11-2.13

Amend the first paragraph of Section 150.2 of the Energy Code to read as follows (note that Exceptions 1 through 7 remain):

a) **Additions.** Additions to existing low-rise residential buildings shall meet the requirements of Sections 110.0 through 110.9, Sections 150.0(a) through (q) and 150.0(s), and either Section 150.2(a) 1 or 2.

SECTION 4. EXPRESS FINDINGS

Pursuant to California Health and Safety Code Sections 17958.7 and 18941.5, the City Council hereby finds that the above amendments are necessary due to local climatic, geological or topographical conditions as set forth in **Exhibit A**.

SECTION 5. REPEAL OF CONFLICTING ORDINANCES

Upon adoption of each new California Building Standards Code, the Ordinance adopting the previously adopted California Building Standards Code is superseded in its entirety. This Ordinance does not repeal Ordinance No. 65.147, which adopts by reference and amends parts of the 2019 California Building Standards Code, Ordinance No. 65.149, which adopts by reference and amends the 2019 California Green Building Standards Code, nor Ordinance No. 113.25, which adopts by reference and amends the 2019 California Fire Code.

SECTION 6. SEVERABILITY

The provisions of this Ordinance are separable, and the invalidity of any phrase, clause, provision or part shall not affect the validity of the remainder.

SECTION 7. EFFECTIVE DATE AND POSTING

In accordance with Section 36937 of the Government Code of the State of California, this Ordinance shall take effect thirty (30) days from and after the date of its final adoption by the City Council, and after approval of the City of Milpitas application to enforce its locally adopted energy standards by the California Energy Commission, but no sooner than January 1, 2020. The City Clerk of the City of Milpitas shall cause this Ordinance or a summary thereof to be published in accordance with Section 36933 of the Government Code of the State of California.

EXHIBIT A

FINDINGS IN SUPPORT OF AMENDMENTS TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS: LOCAL CLIMATIC, GEOLOGICAL OR TOPOGRAPHICAL CONDITIONS

Amendments to the Energy Code:

II-11-2.01	Section 100.1(b)	Definitions
II-11-2.02	Section 140.0(b)	1. Electric readiness; 2. Solar photovoltaic systems
II-11-2.03	Section 140.1	Energy budget calculations
II-11-2.04	Section 140.2	Prescriptive approach requirements for High-Rise buildings
II-11-2.05	Section 150.0	Prescriptive requirements for Low-Rise residential buildings
II-11-2.06	Section 150.0(h)	Space heating requirements
II-11-2.07	Section 150.0(n)1.A.	Water heater requirements
II-11-2.08	Section 150.0(n)	Water heater requirements
II-11-2.09	Section 150.0	Clothes drying and cooking
II-11-2.10	Section 150.1(b)	Performance standards for Low-Rise residential buildings
II-11-2.11	Section 150.1(b)3.A	Compliance demonstration requirements for performance standards
II-11-2.12	Section 150.1(c)	Additional prescriptive requirements for mixed-fuel buildings
II-11-2.13	Section 150.2	Additions

The following findings support that the above amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions:

Express Findings – Climatic

The effects of climate change caused by Green House Gas (GHG) emissions are increasingly self-evident, and very costly. Higher temperatures are contributing to record heat waves and droughts, rising sea levels, more intense storms, wildfires and floods.

Climate change is the fundamental design problem of our time. The threat that climate change poses is existential, and buildings together with transportation are large contributors.

Amending all of the above referenced code sections is necessary to combat the ever-increasing harmful effects of climate change. Implementation of the proposed code amendments will provide an accelerated path to reduce Green House Gas (GHG) emissions and carbonization in an effort to stem the tide of GHG emissions and the effects of global warming and climate change.

REGULAR

NUMBER: **65.149**

TITLE: **AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MILPITAS AMENDING CHAPTER 19 OF TITLE II OF THE MILPITAS MUNICIPAL CODE ADOPTING BY REFERENCE THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE WITH AMENDMENTS**

HISTORY: This Ordinance was introduced (first reading) by the City Council at its meeting of _____, 2019, upon motion by _____, and was adopted (second reading) by the City Council at its meeting of _____, upon motion by _____. The Ordinance was duly passed and ordered published in accordance with law by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
Mary Lavelle, City Clerk

APPROVED:

_____
Rich Tran, Mayor

APPROVED AS TO FORM:

_____
Christopher J. Diaz, City Attorney

RECITALS:

WHEREAS, the California Building Standards Commission has adopted and published an updated Title 24 of the California Code of Regulations, also referred to as the 2019 California Building Standards Code, that will become effective statewide on January 1, 2020; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 establish the authority for a city to adopt and make local amendments and modifications to the building standards in the California Building Standards Code to establish more restrictive building standards than those contained in the California Building Standards Code; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 permit a city to make such local amendments and modifications as the city determines are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, California Health and Safety Code Sections 17958, 17958.5, 17958.7 and 18941.5 require a city, before making any amendments and modifications to the California Building Standards Code, make an express finding that such amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City of Milpitas has reviewed and intends to adopt the 2019 California Green Building Standards Code; and

WHEREAS, the City Council wishes to amend portions of the California Green Building Standards Code to better address local conditions and makes express findings that such amendments are reasonably necessary because of local climatic, geological or topographical conditions as set forth in this Ordinance.

NOW, THEREFORE, the City Council of the City of Milpitas does ordain as follows:

SECTION 1. RECORD AND BASIS FOR ACTION

The City Council has duly considered the full record before it, which may include but is not limited to the staff report, testimony by staff and the public, and other materials and evidence submitted or provided to the City Council. Furthermore, the recitals set forth above are found to be true and correct and are incorporated herein by reference.

SECTION 2. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The City Council hereby finds and determines that this Ordinance has been assessed in accordance with the California Environmental Quality Act (Cal. Pub. Res. Code, § 21000 et seq.) ("CEQA") and the State CEQA Guidelines (14 Cal. Code Regs. § 15000 et seq.) and is categorically exempt from CEQA under CEQA Guidelines, § 15061(b)(3), which exempts from CEQA any project where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment. Adoption of the proposed Ordinance would not be an activity with potential to cause significant effect on the environment because the changes made to the California Green Building Standards Code are enacted to provide more protection to the environment, and therefore is exempt from CEQA. Therefore, it can be seen with certainty that there is no possibility that the Ordinance in question may have a significant effect on the environment; accordingly, the Ordinance is categorically exempt from CEQA.

SECTION 3. AMENDMENT OF MILPITAS MUNICIPAL CODE TITLE II, CHAPTER 19

Chapter 19 of Title II of the Milpitas Municipal Code is hereby repealed in its entirety and replaced with the text below to read as follows:

Chapter 19 GREEN BUILDING STANDARDS CODE

Sections:
Section 1 – Adoption of the Green Building Standards Code
Section 2 – Amendments to the Green Building Standards Code

Section 1 Adoption of the Green Building Standards Code

II-19-1.01
The 2019 Edition of the California Green Building Standards Code, published and copyrighted by the International Code Council, Inc. and the California Building Standards Commission in Part 11 of Title 24 of the California Code of Regulations, also known as the CALGreen Code is hereby adopted and referred to, and by this reference expressly incorporated and made a part of this Chapter as though fully set forth herein. The adoption includes Appendices A4, A5, and A6.1. The 2019 California Green Building Standards Code shall be designated and referred to as the "Green Building Standards Code" for the City of Milpitas. There is one copy of said Code on file in the office of the Building Official for use and examination by the public.

Section 2 Amendments to the Green Building Standards Code

II-19-2.01
Amend Section 202 of the Green Building Standards Code by adding the following definitions to read as follows:

EV Capable. A parking space that is to be served by a designated electrical panel with sufficient capacity to provide 110/120 volts at 20 amperes to the parking space, with raceways connecting the electrical panel and parking space that are installed in areas that will be inaccessible in the future, such as trenched underground or where penetrations to walls, floors, or other construction would otherwise be required for future installation of branch circuits. Raceways must be at least 1" in diameter and may be sized for multiple circuits as allowed by the California Electrical Code. The panel circuit directory shall identify the overcurrent protective device space(s) reserved for EV charging as "EV CAPABLE." Construction documents shall indicate future completion of the raceway from the panel to the parking space, using the installed raceway sections in the inaccessible areas.

Level 1 EV Ready Circuit: A parking space served by a complete electric circuit with a minimum of 110/120 volt, 20-ampere capacity including; electrical panel capacity, overprotection device, a minimum 1" diameter raceway that may include multiple circuits as allowed by the California Electrical Code, properly sized conductors, grounding and bonding, and either a) a receptacle labelled "Electric Vehicle Outlet" with at least a ½" font adjacent to the parking space, or b) labelled Electric Vehicle Supply Equipment (EVSE).

Level 2 EV Ready Circuit: A parking space served by a complete 208/240 volt 40 ampere electric circuit including the required electrical panel capacity, overcurrent protection device, a minimum 1" diameter raceway that may include multiple circuits as allowed by the California Electrical Code, properly sized conductors, grounding, bonding and either a) a receptacle labelled "Electric Vehicle Outlet" with a minimum ½" font, adjacent to the parking space, or b) a blank labelled Electric Vehicle Supply Equipment (EVSE) with a minimum output of 30 amperes.

II-19-2.02

Amend Section 4.106.4 through Section 4.106.4.2.3 of the Green Building Standards Code to read as follows:

4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4.1 and 4.106.4.2 to facilitate future installation and use of EV chargers.

Exceptions:

1. Where there is no commercial power supply.
2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking spaces.

4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a Level 2 EV Ready Circuit and Level 1 EV Ready Circuit.

Exception: For each dwelling unit with only one parking space, install a Level 2 EV Ready Circuit.

4.106.4.2 New multifamily dwellings. The following requirements apply to all new multifamily dwellings:

1. When 20 or less mulitfamily dwelling units are constructed on a building site:
   a. 15% of dwelling unit parking spaces shall be provided with access to at least one Level 2 EV Ready circuit.
   b. 35% of dwelling unit parking spaces shall be provided with access to at least one Level 1 Capable circuit.
2. When more than 20 multifamily dwelling units are constructed on a building site:
   a. 20% of dwelling unit parking spaces shall be provided with access to at least one Level 2 EV Ready Circuit.
   b. 35% of dwelling unit with parking spaces shall be provided with access to at least one Level 1 Capable circuit.

Exception: For multifamily affordable housing projects:

For projects of ≤ 20 units, 5% of dwelling unit parking spaces shall be provided access to at least one Level 2 EV Ready circuit, and an additional 35% of dwelling unit parking spaces shall have access to at least one Level 1 EV Capable circuit.

For projects >20 units of multifamily affordable housing, 10% % of dwelling unit parking spaces shall be provided with access to at least one Level 2 EV Ready circuit and an additional 15% of dwelling unit parking spaces shall have access to at least one Level 1 EV Capable circuit.

Notes:

1. Load balancing systems may be installed to increase the number of EV chargers or the amperage or voltage beyond the minimum required. Load balancing does not allow installing less electrical panel capacity than would be required without load balancing.
2. Installation of Level 2 EV Ready Circuits above the minimum number required level may offset the minimum number Level 1 EV Ready Circuits required on a 1:1 basis.
3. The requirements apply to multifamily buildings with parking spaces including: a) assigned or leased to individual dwelling units, and b) unassigned residential parking.
4. The Building Official may consider allowing exceptions, on a case by case basis, to the requirements for EV infrastructure under this code section, if a building permit applicant submits documentation demonstrating that the increased cost of utility service and / or on-site transformer capacity would exceed an average of $4,500 among parking spaces with Level 2 EV Ready Circuits and Level 1 EV Ready Circuits. If costs are found to exceed this level, the applicant shall provide EV infrastructure up to a level that would not exceed an average cost of $4,500 per parking space for utility service, on-site transformer capacity, or a combination of both.

4.106.4.2.1 Electric Vehicle Charging Stations (EVCS). When EV chargers are installed, EV spaces required by Section 4.106.4.2.2, Item 3, shall comply with at least one of the following options:

1. The EV space shall be located adjacent to an accessible parking space meeting the requirements of the *California Building Code*, Chapter 11A, to allow use of the EV charger from the accessible parking space.
2. The EV space shall be located on an accessible route, as defined in the *California Building Code*, Chapter 2, to the building.

Exception: Electric vehicle charging stations designed and constructed in compliance with the *California Building Code*, Chapter 11B, are not required to comply with Section 4.106.4.2.1 and Section 4.106.4.2.2, Item 3.

Note: The Division of the State Architect provides guidance on exemptions from Chapter 11B EV infrastructure accessibility requirements, such as buildings that are not subject to Chapter 11B and assigned parking spaces at buildings that are subject to Chapter 11B.

4.106.4.2.2 Electric Vehicle Charging Space (EV space) dimensions. The EV spaces shall be designed to comply with the following:

1. The minimum length of each EV space shall be 18 feet (5486 mm).
2. The minimum width of each EV space shall be 9 feet (2743 mm).
3. One in every 25 EV spaces, but not less than one, shall also have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet (3658 mm). Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units (2.083 percent slope).

4.106.4.2.3 Design Requirements. For all projects subject to California Code of Regulations Title 24, Part 2, Chapter 11B, construction documents shall indicate how many accessible EVCS would be required as per Title 24, Chapter 11B to convert all Level 2 EV Ready Circuits required under section 4.106.4 to EVCS. Construction documents shall also demonstrate that the facility is designed such that compliance with accessibility standards, including Chapter 11B accessible routes, will be feasible for the required accessible EVCS at the time of EVCS installation. Surface slope for any area designated for accessible EVCS shall meet slope requirements in Chapter 11B and vertical clearance requirements in Chapter 11B at the time of original building construction.[1]

Note: Section11B-812 of the 2016 California Building Code requires that a facility providing EVCS for public and common use also provides one or more accessible EVCS as specified in Table 11B-228.3.2.1. Chapter 11B applies to certain facilities including, but not limited to, public accommodations and publicly funded housing (see Section 1.9 of Part 2 of the California Building Code). Section 11B-812 requires that "Parking spaces, access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2489 mm) minimum." It also requires that parking spaces and access aisles meet maximum slope requirements of 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction at the time of new building construction or renovation. Section 11B-812.5 contains accessible route requirements. In addition, Title 24 Part 11 Section 4.106.4.2 requires that developers meet certain aspects of accessibility requirements at the time of new construction for a limited number of parking spaces.

II-19-2.03

Amend Section 5.106.5.3 through Section 5.106.5.3.3 of the Green Building Standards Code to read as follows:

5.106.5.3 Electric Vehicle (EV) Charging. New construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation and use of EV chargers.

Exception: Where there is no commercial power supply.

Notes:

1. Load balancing systems may be installed to increase the number of EV chargers or the amperage or voltage beyond the minimum requirements in this code. The option does not allow for installing less electrical panel capacity than would be required without load balancing.

5.106.5.3.1 Office Buildings. In nonresidential new construction buildings designated primarily for office use, when 10 or more parking spaces are constructed:

1. 5% of the available parking spaces on site shall be equipped with Level 2 EVCS;
2. An additional 10% shall be provided with at least Level 1 EV Ready circuits; and
3. An additional 20% shall be at least EV Capable or EV Ready.

Calculations for the required minimum number of spaces equipped with Level 2 EVCS, Level 2 EV Ready spaces and EV Capable spaces shall all be rounded up to the nearest whole number.
Construction plans and specifications shall demonstrate that all raceways shall be a minimum of 1" and sufficient for installation of EVCS at all required Level 1 EV Ready and EV Capable spaces; Electrical calculations shall substantiate the design of the electrical system to include the rating of equipment and any on-site distribution transformers, and have sufficient capacity to simultaneously charge EVs at all required EV spaces including Level 1 EV Ready and EV Capable spaces; and service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.

5.106.5.3.2 Other Nonresidential Buildings. In nonresidential new construction buildings that are not designated primarily for office use, such as retail or institutional uses, when 10 or more parking spaces are constructed:

1. 4% of the available parking spaces on site shall be equipped with Level 2 EVCS;
2. An additional 3% shall be at least Level 1 EV Capable.
3. Over 100 spaces: option for one 80kW Fast Charger per 100 spaces.

Exception: Installation of each Direct Current Fast Charger with the capacity to provide at least 80 kW output may substitute for 6 Level 2 EVCS and 5 EV Ready spaces after a minimum of 6 Level 2 EVCS and 5 Level 1 EV Capable spaces are installed.

Note: Calculations for the required minimum number of spaces equipped with Level 2 EVCS and Level 1 EV Capable spaces shall be rounded up to the nearest whole number.

5.106.5.3.3 Design Requirements. For all projects subject to Title 24, Part 2, Chapter 11B, construction documents shall indicate how many accessible EVCS would be required under the California Code of Regulations Title 24, Chapter 11B, if applicable, in order to convert Level 1 EV Ready infrastructure to EVCS. Construction documents shall also demonstrate that the facility is designed such that compliance with accessibility standards, including Chapter 11B accessible routes, will be feasible for the required accessible EVCS at the time of EVCS installation. Surface slope for any area designated for accessible EVCS shall meet slope requirements in Chapter 11B and vertical clearance requirements in Chapter 11B at the time of original building construction.

II-19-2.04

Amend Section 5.106.5.3.5 of the Green Building Standards Code to read as follows:

5.106.5.3.5 Clean Air Vehicle Parking Designation. EVCS qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

Notes:

1. The California Department of Transportation adopts and publishes the California Manual on Uniform Traffic Control Devices (California MUTCD) to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives number 13-01. www.dot.ca.gov/hq/traffops/policy/13-01.pdf.
2. See Vehicle Code Section 22511 for EV charging spaces signage in off-street parking facilities and for use of EV charging spaces.
3. The Governor's Office of Planning and Research published a Zero-Emission Vehicle Community Readiness Guidebook which provides helpful information for local governments, residents and businesses. www.opr.ca.gov/ docs/ZEV_Guidebook.pdf.
4. Section 11B-812 of the 2016 California Building Code requires that a facility providing EVCS for public and common use also provide one or more accessible EVCS as specified in Table 11B-228.3.2.1. Chapter 11B applies to certain facilities including, but not limited to, public accommodations and publicly funded housing (see section 1.9 of Part 2 of the California Building Code). Section 11B-812 requires that "Parking spaces, access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2489 mm) minimum." It also requires that parking spaces and access aisles meet maximum slope requirements of 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction at the time of new building construction or renovation. Section 11B-812.5 contains accessible route requirements.

SECTION 4. EXPRESS FINDINGS

Pursuant to California Health and Safety Code Sections 17958.7 and 18941.5, the City Council hereby finds that the above amendments are necessary due to local climatic, geological or topographical conditions as set forth in **Exhibit A**.

SECTION 5. REPEAL OF CONFLICTING ORDINANCES

Upon adoption of each new California Building Standards Code, the Ordinance adopting the previously adopted California Building Standards Code is superseded in its entirety. This Ordinance does not repeal Ordinance No. 65.147, which adopts by reference and amends parts of the 2019 California Building Standards Code, Ordinance No. 65.148, which adopts by reference and amends the 2019 California Energy Code, nor Ordinance No. 113.25, which adopts by reference and amends the 2019 California Fire Code.

SECTION 6. SEVERABILITY

The provisions of this Ordinance are separable, and the invalidity of any phrase, clause, provision or part shall not affect the validity of the remainder.

SECTION 7. EFFECTIVE DATE AND POSTING

In accordance with Section 36937 of the Government Code of the State of California, this Ordinance shall take effect thirty (30) days from and after the date of its final adoption by the City Council, but no sooner than January 1, 2020. The City Clerk of the City of Milpitas shall cause this Ordinance or a summary thereof to be published in accordance with Section 36933 of the Government Code of the State of California.

EXHIBIT A

FINDINGS IN SUPPORT OF AMENDMENTS TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS: LOCAL CLIMATIC, GEOLOGICAL OR TOPOGRAPHICAL CONDITIONS

Amendments to the Green Building Standards Code:

II-19-2.01	Section 202	Definitions
II-19-2.02	Section 4.106.4 through 4.106.4.2.3	EV charging for single family, duplex, townhouse, and multi-family
II-19-2.03	Section 5.106.5.3 through 5.106.5.3.3	EV charging for new office, and other non-residential buildings
II-19-2.04	Section 5.106.5.3.5	Clean air vehicle parking

The following findings support that the above amendments and modifications are reasonably necessary because of local climatic, geological or topographical conditions:

Express Findings – Climatic

The effects of climate change caused by Green House Gas (GHG) emissions are increasingly self-evident, and very costly. Higher temperatures are contributing to record heat waves and droughts, rising sea levels, more intense storms, wildfires and floods.

Climate change is the fundamental design problem of our time. The threat that climate change poses is existential, and buildings together with transportation are large contributors.

Amending all of the above referenced code sections is necessary to combat the ever-increasing harmful effects of climate change. Implementation of the proposed reach code amendments will provide an accelerated path to reduce Green House Gas (GHG) emissions and carbonization in an effort to stem the tide of GHG emissions and the effects of global warming and climate change.

Attachment C

Milpitas 2019 Energy Reach Codes

SUMMARY

ALL CONSTRUCTION MANDATORY

To provide for future electrification, all newly constructed mixed-fuel buildings and additions must comply with the following mandatory requirements:

- Water heating: 240V/30A circuit, condensate drain
  2019 California Energy Code (base code) requirement is for a 125V/20A circuit which would not be sufficient as currently available higher efficiency heat pump water heaters require a 240V/30A circuit.
- Clothes Drying: 240V/40A circuit
  No requirement in 2019 California Energy Code (base code).
- Cooking: 240V/50A circuit
  No requirement in 2019 California Energy Code (base code).
- Space-conditioning Equipment: Heat pump operation capability and / or 30Acircuit if only space heating provided
  No requirement in 2019 California Energy Code (base code).

RESIDENTIAL PERFORMANCE AND PRESCRIPTIVE COMPLIANCE APPROACHES

Explanatory Notes

1. The All-Electric Performance Paths given under item #1 below for all project types are not reach codes but new pathways for Energy Efficiency that have been made available per the 2019 California Energy Code.
2. Regarding Single, Two-Family, and Multi-Family construction of 3 stories or less, the Performance Path requirements for an energy budget are expressed as the EDR (Energy Design Rating) for the Proposed Design Building. All of the reach code EDR index numbers for the projects named below that are expressed in the following table represent higher efficiencies than the 2019 Energy Code Standard Design Building. These higher efficiency requirements were provided in the model reach code that Silicon Valley Clean Energy (SVCE) made available to local jurisdictions. These efficiency levels conform to requirements in the 2019 Cost-Effectiveness Study for Low-Rise Residential New Construction. Cost-effectiveness is one of two main criteria with which the California Energy Commission (CEC) uses to evaluate and approve reach codes. The other criteria that the CEC uses is that the reach codes must demonstrate higher levels of energy efficiency than the base 2019 California Energy Code.
3. Regarding Nonresidential construction, the Performance Path requirements are expressed as percentages of efficiency that are more than the base 2019 California Energy Code, instead of as an EDR. EDR is the required metric only for residential compliance starting Jan 1, 2020. So, to reflect that, the new code has to use EDR (as a number) rather than compliance margin (as a percentage) for residential requirements. Non-residential still uses compliance margin (in percentages).

Project Type and Size	Performance Path Requirements	Prescriptive Path Requirements
Single and Two-family New Construction	1. **All Electric.** Demonstrate that the proposed home will be all-electric, OR	**Build All Electric** and Meet 2019 California Energy Code.

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	2. **Electrically Heated Mixed Fuel Building (electric space and water heating).** Proposed Design Building shall be at least 2 EDR points less than the Energy Efficiency Design Rating calculated for the Standard Design Building	**Electrically Heated Mixed Fuel Building** a. Low leakage ducts in conditioned space PER 2019 Reference Appendices RA3.1.4.3.8. b. Install R-10 perimeter slab insulation at a depth of 16-inches. c. Compact hot water distribution per 2019 Reference Appendices RA4.4.6. d. Maximum fan efficacy of 0.35 Watts/cfm and verification by a HERS rater according to 2019 Reference Appendices RA3.3.
	3. **Mixed Fuel Building.** Proposed Design Building shall be at least 10 EDR points less than the Total Energy Design Rating calculated for the Standard Design Building, OR	**Mixed Fuel Building** a. Low leakage ducts in conditioned space PER 2019 Reference Appendices RA3.1.4.3.8. b. Install R-10 perimeter slab insulation at a depth of 16-inches. c. Compact hot water distribution per 2019 Reference Appendices RA4.4.6. d. Maximum fan efficacy of 0.35 Watts/cfm and verification by a HERS rater according to 2019 Reference Appendices RA3.3. e. Either 1) 5 kWh battery OR 2) A solar water heating system with a minimum solar savings fraction of 0.20.
Multifamily New Construction **3 stories or less**	1. **All Electric.** Demonstrate that the proposed building will be all-electric, OR	**Build All Electric** and Meet 2019 California Energy Code.
	2. **Electrically Heated Mixed Fuel Building (electric space and water heating).** Proposed Design Building be at least 1 EDR point less than the Energy Efficiency Design Rating calculated for the Standard Design Building,	**Electrically Heated Mixed Fuel Building** a. Install R-10 perimeter slab insulation at a depth of 16-inches. b. Compact hot water distribution per 2019 Reference Appendices RA4.4.6. c. Maximum fan efficacy of 0.35 Watts/cfm and verification by a HERS rater according to 2019 Reference Appendices RA3.3. d. Meet the requirements of Verified Low Leakage Ducts in Conditioned Space (VLLDCS) in the 2019 Reference Appendices RA3.1.4.3.8, with less than or equal to 25 cfm leakage to outside. e. Install a roofing product that's rated by the Cool Roof Rating Council to have an aged solar reflectance (ASR) of greater than or equal to 0.25.

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	3. **Mixed Fuel Buildings.** Proposed Design Building shall be at least 11 EDR points less than the Total Energy Design Rating calculated for the Standard Design Building, OR	**Mixed Fuel Building** a. Install R-10 perimeter slab insulation at a depth of 16-inches. b. Compact hot water distribution per 2019 Reference Appendices RA4.4.6. c. Maximum fan efficacy of 0.35 Watts/cfm and verification by a HERS rater according to 2019 Reference Appendices RA3.3. d. Either 1) 2.75 kWh battery per dwelling unit OR 2) A solar water heating system with a minimum solar savings fraction of 0.20. e. Meet the requirements of Verified Low Leakage Ducts in Conditioned Space (VLLDCS) in the 2019 Reference Appendices RA3.1.4.3.8, with less than or equal to 25 cfm leakage to outside. f. Install a roofing product that's rated by the Cool Roof Rating Council to have an aged solar reflectance (ASR) of greater than or equal to 0.25.
Low Rise Res Alterations	Meet 2019 California Energy Code.	Meet 2019 California Energy Code.
Low Rise Res Additions	Meet 2019 California Energy Code.	Meet 2019 California Energy Code, **including** shall meet the requirements of Sections 110.0 through 110.9, Sections 150.0(a) through (q) and 150.0(s), and either Section 150.2(a) 1 or 2.

NONRESIDENTIAL PERFORMANCE AND PRESCRIPTIVE COMPLIANCE APPROACHES

Nonresidential New Construction	**All Electric.** Demonstrate that the proposed building will be all-electric, OR	**Build All Electric** and Meet 2019 California Energy Code.
	Mixed Fuel Buildings, All Occupancies Except Group B (office) and M (mercantile). Demonstrate that the energy use of the proposed building is 6% more efficient than the 2019 California Energy Code.	**Mixed Fuel Building, All Occupancies Except Office and Mercantile, as applicable:** a. Install fenestration with a solar heat gain coefficient no greater than 0.22. b. Design Variable Air Volume (VAV) box minimum airflows to be equal to the zone ventilation minimums. c. Include economizers and staged fan control in air handlers with a mechanical cooling capacity ≥ 33,000 Btu/h. d. Reduce the lighting power density (Watts/ft2) by ten percent (10%) from that required from Table 140.6-C. e. In common areas, improve lighting: 1) Control to daylight dimming plus off per Section 140.6(a)2H 2) Perform Institutional Tuning per Section 140.6(a)2J f. Install one drain water heat recovery device per every three guest rooms that is field verified as specified in the Reference Appendix RA3.6.9.

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	Group B (office) and M (mercantile). Demonstrate that the energy use of the proposed building is 14% more efficient than the 2019 California Energy Code.	**Mixed Fuel Buildings, Office and Mercantile, as applicable:** a. Install fenestration with a solar heat gain coefficient no greater than 0.22. b. Limit the fenestration area on east-facing and west-facing walls to one-half of the average amount of north-facing and south-facing fenestration. c. Design Variable Air Volume (VAV) box minimum airflows to be equal to the zone ventilation minimums. d. Include economizers and staged fan control in air handlers with a mechanical cooling capacity ≥ 33,000 Btu/h. e. Reduce the lighting power density (Watts/ft2) by ten percent (10%) from that required from Table 140.6-C. f. Improve lighting: 1) Control to daylight dimming plus off per Section 140.6(a)2H 2) Install Occupant Sensing Controls in Large Open Plan Offices per Section 140.6(a)2I 3) Perform Institutional Tuning per Section 140.6(a)2J
Mixed Occupancy	For buildings that do not fall under the exceptions of 100.0(f) of the 2019 California Energy Code, the building must meet the performance requirements under the residential and nonresidential sections in this table based on a weighted-average by floor area.	Meet the appropriate prescriptive requirements under the residential and nonresidential elsewhere in this table, as applicable.
Nonresidential Additions and Alterations	Meet 2019 California Energy Code.	Meet 2019 California Energy Code.

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Attachment D

Milpitas 2019 Green Building Reach Codes

SUMMARY

EV Charging Proposed Reach Code for the 2019 California Green Building Standards Code

Unlike amendments to the California Energy Code, a cost-effectiveness study is not required for amendments to the California Green Building Standards Code (CALGreen), which covers items such as electric vehicle charging infrastructure. Staff worked closely with SVCE and the Statewide Program's team to establish new construction EV requirements which are more in line with local EV adoption trends, while providing flexibility for the developer and keeping construction costs as low as possible.

Electric Vehicle Charging Infrastructure Categories and 2019 CALGreen EV Requirements

Electric Vehicle charging requirements in California can generally be broken into three categories:

- EV Charging Installed: all supply equipment is installed at a parking space, such that an EV can charge without additional equipment.
- EV Ready: Parking space is provided with all power supply and associated outlet, such that a charging station can be plugged in and a vehicle can charge.
- EV Capable: Conduit is installed to parking space, and building electrical system has ample capacity to serve future load. An electrician would be required to complete the circuit before charging is possible.

EV charging capacity and speed can be summarized as three categories:

- Level 1: Capable of charging at 120V, 20A. This is the equivalent to a standard home outlet.
- Level 2: Capable of charging at 240V, 30-40A. This is the service capacity typically used for larger appliance loads in homes.
- Level 3 (DC Fast Charging): Capable of charging at 20-400kW. This is the type of charger used for Tesla Superchargers and DC Fast Chargers at some supermarkets.

The 2019 California Green Building Standards Code increases requirements for electric vehicle charging infrastructure in new construction, including the following:

- New one- and two-family dwellings and townhouses with attached private garages: must be Level 2 EV-capable.
- Multi-family dwellings: 10% of parking spaces must be Level 2 EV-capable.
- Non-residential: 6% of parking spaces must be Level 2 EV-capable.

Milpitas Proposed Reach Code for EV infrastructure for New Buildings in 2019 CALGreen

While the code amendment language can be found in the proposed ordinance, proposed reach code for EV infrastructure for new buildings is summarized below:

Residential Buildings

- Single Family Dwelling: One Level 1 EV Ready circuit, and one Level 2 EV Ready circuit.
- Multi-Family Dwelling: ≤20 units: 15% of dwelling unit parking spaces provided with access to at least one Level 2 EV Ready circuit and an additional 35% provided with access to at least one Level 1 Capable circuit
    - Exception: Not required for units without parking.
- Multi-Family Dwelling: >20 units: 20% of dwelling unit parking spaces provided with access to at least one Level 2 Ready circuit and an additional 35% of dwelling unit parking spaces provided with access to at least one Level 1 Capable circuit
    - Exception: Not required for units without parking.

- Exception: For multi-family affordable housing projects:
  ≤ 20 units, 5% of parking spaces to be provided access to at least one Level 2 Ready circuit and an additional 35% of spaces shall have access to one Level 1 Capable circuit
  < 20 units, 10% of parking spaces to be provided access to at least one Level 2 Ready circuit and an additional 15% of parking spaces shall have access to at least one Level 1 Capable circuit

Office Buildings

- 5% of the parking spaces, Level 2 Electric Vehicle Supply Equipment (EVSE) (complete charging infrastructure installed).
- 10% of the parking spaces, Level 1 EV Ready circuits.
- 20% of the parking spaces EV Capable at the "pinch points" utilizing at least Level 2-sized conduit with panel capacity for 2kW per EV capable parking space.

Other Nonresidential Buildings

- When 10 or more parking spaces are provided, 4% of the spaces shall be equipped with Level 2 Electric Vehicle Charging Stations (EVCS).
- An additional 3% shall be at least Level 1 Capable.
- Over 100 spaces: option for one 80kW Fast Charger per 100 spaces
  - NOTE: Installation of each DC Fast Charger with the capacity to provide at least 80 kW output may substitute for 6 Level 2 EVCS and 5 EV Ready spaces after a minimum of 6 Level 2 EVCS and 5 Level 1 EV Ready spaces are installed.

DRAFT

From: Aaron Barger <AaronBarger@lyonliving.com>
Sent: Thursday, October 10, 2019 16:47
To: Hansen, Eric <EHansen@shapartments.com>; Jason Earl <jearl@ci.milpitas.ca.gov>; Bill Tott <btott@ci.milpitas.ca.gov>; Sharon Goei <sgoei@ci.milpitas.ca.gov>
Cc: Richardson, Bracken <brichardson@shapartments.com>; Cole, Donovan <DCole@shapartments.com>
Subject: RE: Reminder - Stakeholder Engagement on Proposed Reach Codes to Promote Green Development SUMMERHILL RESPONSE

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links.

Eric and Bill

Thank you for putting forth this proposed alternative to the City of Milpitas' Reach Code to Promote Green Development. Based on the information gained at the Stakeholder meetings and the subsequent conversations about the impact the proposed Reach Codes will have, finding an alternative that has less impact on new project development is of the utmost importance.

Our belief is that the intent should be to develop a reach strategy that could handle the load requirements and design changes that either the City's proposal or your alternative would require without negatively affecting our residential unit count. Although we do not currently have a project that is either entitled, or in Plan Check, I believe that your proposal and methodology make sense as an alternative compromise to the City's Reach Code proposal. I believe this meets the intent of the Reach Code, and fits within a framework of the near term EV usage in the Bay Area.

Lyon Living would support the City's Reach Code proposal if it followed the SummerHill proposal as outlined in Eric's email below. Lyon also looks forward to continuing the working relationship with the City and the other stakeholders, such as SummerHill, on this matter.

Respectfully,

Aaron Barger | Development Director

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From: Hansen, Eric [mailto:EHansen@shapartments.com]
Sent: Thursday, October 10, 2019 12:03 PM
To: Jason Earl <jearl@ci.milpitas.ca.gov>; Bill Tott <btott@ci.milpitas.ca.gov>; Sharon Goei <sgoei@ci.milpitas.ca.gov>
Cc: Richardson, Bracken <brichardson@shapartments.com>; Cole, Donovan <DCole@shapartments.com>; Aaron Barger <AaronBarger@lyonliving.com>
Subject: RE: Reminder - Stakeholder Engagement on Proposed Reach Codes to Promote Green Development SUMMERHILL RESPONSE

Good Morning Bill,

I have been directing my correspondence on this matter primarily to the City because I recognize all the final decisions will be made by the City so I figured that you should decide how to engage your consultants. It is my understanding from our meeting on Monday that the City is looking for SummerHill to make a proposal for reasonable upgrades on EV Charging. I discussed this with our COO and VP of Asset Management who are actively leasing up our apartment projects and touring others throughout the SF Bay Area. Below is what we came up with in an effort to meet current EV charging demands and provide additional capacity for future demand in the market. I'm hopeful that the various stakeholders can see that 100% EV charging is not feasible and this is a good faith effort to provide a compromise solution.

LEVEL 2 (40 Amp circuit that provides about 25 miles of range per hour)
2019 CALGreen Code – 10% "Capable" (conduit and load capacity to add wire and receptacles later)
SUMMERHILL RECOMMENDATION – 10% "Ready" fully built ready to charge. This is essentially what we are trying to provide now as we think the demand is there or will be there in the near future. We are also willing to provide an additional 10% "Capable" which we would build out later if the demand is there. This would provide a total Level 2 EV charging capacity of 20%.

LEVEL 1 (20 Amp circuit that provides only 5 miles of range per hour)
2019 CALGreen Code – 0% Required but the City indicated from their research this will satisfy the needs of many SF Bay area's commuters.
SHAC RECOMMENDATION – 20% "Capable" to match the overall Level 2 capacity proposed above. The Level 1 chargers are common for single family development but new for apartment projects so we would like to provide the capacity but hold off on building them out as "ready" until we can verify the demand.

I would like to make it clear that even these recommendations will significantly increase the electrical capacity and costs for EV charging on a project. Below is a summary of these upgrades applied to Building A project at 1500 Centre Pointe (637 stalls) beyond the 10% Level 2 "capable" stalls required by the 2019 CALGreen code.

- Added load for 10% additional Level 2 chargers (64 stalls X 18.3 Amps/stall = 1,171.2 Amps). Added load for 20% additional Level 1 chargers (128 stalls X 6.7 Amps/stall = 857.6 Amps). **Total load added is 2,029 Amps.** This will result in one additional transformer with some load absorbed by transformers that were already planned. This could result in a unit being deleted from the project or at least reducing a 2 bedroom to a studio or 1 bedroom.
- The added transformer will cost about $125K. Building out 10% Level 2 chargers will cost about $192K (64 stalls X $3,000 = $192,000). Providing conduit for an additional 10% Level 2 chargers

as capable will cost $32K (64 stalls X $500 = $32,000). Providing conduit for an additional 20% Level 1 chargers as capable will cost $51K (128 stalls X $400 = $51,200). **This is a total added cost of $400K**

We appreciate the dialogue with the City on this matter and are hopeful that this proposal meets with your approval.

Thanks,
Eric

ERIC HANSEN
VICE PRESIDENT OF CONSTRUCTION
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Pacific Gas and Electric Company

Robert S. Kenney
Vice President
State and Regulatory Affairs

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September 23, 2019

VIA EMAIL TO: c/o CityClerk@ci.milpitas.ca.gov

Honorable Mayor Rich Tran and City Council
City Council Chambers
455 E. Calaveras Blvd.
Milpitas, CA 95035

Dear Honorable Mayor Tran and City Council:

Pacific Gas and Electric Company (PG&E) is proud to provide electric and natural gas service to the City of Milpitas. And we are committed to helping customers and the community achieve their energy goals. As part of this commitment, PG&E welcomes the opportunity to support the City of Milpitas's efforts to promote efficient, all-electric new construction, when it is cost-effective.

PG&E strongly supports California's climate and clean air goals. We recognize that achieving these goals requires a range of approaches and tools, including increasing the use of energy-efficient electric appliances in buildings when cost-effective. PG&E welcomes the opportunity to avoid investments in new gas assets that might later prove underutilized as local governments and the state work together to realize long-term decarbonization objectives. With all this in mind, PG&E supports local government policies that promote all-electric new construction when cost effective.

PG&E recognizes the need for a multi-faceted approach to address climate change, including electrification, as well as opportunities to decarbonize the gas system with renewable natural gas and hydrogen. As electrification policies are implemented and as large scale renewable gas options develop, PG&E will continue to ensure the safe and reliable operation of the existing gas system to continue supporting the customers that depend on it.

PG&E appreciates the partnership with the City of Milpitas during its policy development process, which allows us to prepare for the future and continue providing the best service possible to customers. PG&E remains ready to engage with our customers, local government, businesses, and community members to meet their needs safely, reliably, affordably, and with clean energy.

PG&E looks forward to continuing to work with the City of Milpitas to accomplish its policy goals.

Thank you, and have a safe day.

Sincerely,

Robert S. Kenney
Vice President

cc: Elaine Marshall, Deputy Public Works Director at City of Milpitas (emarshall@ci.milpitas.ca.gov)
Sharon Goei, Director of Building and Housing (sgoei@ci.milpitas.ca.gov)
Bill Tott, Building Official (btott@ci.milpitas.ca.gov)
Anna Brooks, Sr. Manager, Public Affairs, PG&E (anna.brooks@pge.com)
Darin Cline, Sr. Manager, Government Relations, PG&E (Darin.Cline@pge.com)

October 15, 2019

Rich Tran, Mayor
City of Milpitas
Attn: Milpitas City Council
455 E. Calaveras Blvd.
Milpitas, CA 95035
rtran@ci.milpitas.ca.gov

SUBMITTED VIA EMAIL

RE: City of Milpitas Development of Reach Codes

Dear Mayor Rich Tran:

Thank you for the opportunity to comment on the City of Milpitas proposed Reach Codes aimed at reducing greenhouse gas emissions in the building sector. The Western Propane Gas Association (WPGA) seeks to be a valuable contributor in both the development of these codes and the policies and procedures that may emerge as a result of these discussions.

While we applaud efforts for building decarbonization, WPGA believes that Reach Codes disincentivizing propane as a complementary fuel source to electric are fundamentally misguided. WPGA hopes that regulators will look to the example that the City of San Luis Obispo is setting with the development of their Reach Codes and recognize the value that propane provides on a number of levels.

Propane provides affordable, clean energy for low income communities as well as a vital back-up power for solar powered homes when battery power is low. Disincentivizing propane as a complementary power to solar has an unintended consequence to make solar homes more expensive and less reliable when power generation is not at peak levels.

Furthermore, there has been numerous discussions throughout California regarding planned power outages and safety black-outs. In a recent article published by Politico (PG&E begins massive power shut-off in California to avoid wildfires) it is noted that the Public Safety Power Shutoff could affect 2.4 million electricity users. Propane delivers energy resiliency for communities facing safety black-outs which can be critical for those powering life-sustaining equipment. Vulnerable citizens such as people on dialysis or simply the many individuals using electric powered wheelchairs can use propane energy for reliable power.

When looking towards the future, our industry is investing in renewable propane, derived from sustainable sources like beef tallow or vegetable oil. We hope that regulators take a more holistic view of the complementary role propane plays alongside decarbonization efforts including solar, wind and other renewable fuels.

The Western Propane Gas Association appreciates your work in this area and looks forward to working with you as the City of Milpitas and the State strive to reduce greenhouse gas emissions through comprehensive clean energy solutions.

Sincerely,

Ben Granholm
Regulatory Affairs Specialist

cc: Steven McHarris, City Manager

SILICON VALLEY CLEAN ENERGY

333 W El Camino Real, Ste. 290 | Sunnyvale, CA 94087 | SVCleanEnergy.org | 1-844-474-SVCE

Margaret Abe-Koga, Chair
City of Mountain View

Howard Miller, Vice Chair
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Bob Nuñez
City of Milpitas

Javed Ellahie
City of Monte Sereno

Yvonne Martinez Beltran
City of Morgan Hill

Susan Ellenberg
County of Santa Clara

Nancy Smith
City of Sunnyvale

SVCE Letter of Interest (LOI) for $10,000 Reach Code Grant

Our organization requests this letter indicating your likely interest in receiving $10,000 from SVCE to help defray costs associated with developing a local amendment to the energy code section of Title 24.

Background

With SVCE Board Approval, our organization partnered with Peninsula Clean Energy (PCE) and San Mateo County Office of Sustainability (OOS) to facilitate the adoption of an energy code in the 2019 Building Code (to be adopted as of January 1, 2020) supportive of all-electric buildings and/or electric vehicle (EV) infrastructure during the new construction process. SVCE has hired a consultant to provide technical support, draft model language and facilitate stakeholder engagement. SVCE recognizes additional staff time will be necessary during the pursuit of these amendments beyond the high level of support provided by our consultants.

Method for receipt of Grant

- Signed LOI returned to SVCE prior to July 2019
- City staff will present a valid amendment to Title 24 regarding buildings and/or EV infrastructure for a vote of their respective city council
- Regardless of outcome of the council vote, complete the Payment Request (to be released shortly) document and return to SVCE by November 30, 2019

We understand this letter is nonbinding and constitutes an indication of interest only.

Signed: Printed Name: BILL TOTT Date: 4.26.19

Organization: BLDG & HOUSING CITY OF MILPITAS Job Title: BUILDING OFFICIAL Email Address: btott@ci.milpitas.ca.gov

Please complete and sign a copy of this Letter, and send a scanned copy via email to john.supp@svcleanenergy.org or via [postal mail] to:

John Supp, SVCE Manager – Account Services
333 W. El Camino Real, Suite 290
Sunnyvale, CA 94087

Upon receipt, an email confirmation will be sent to the email address entered on the Letter of Interest. Please contact John at (408) 721-5301 x1014 with questions.

Attachment I

Reach Code Efforts in Other Cities

City	Building Electrification Requirement	Electric Vehicle Charging Infrastructure	Solar Requirements	Council Date (if known)
Fremont	TBD – Process ongoing, target Reach Code development for Spring 2020. Considering the following recommendations. **Low Rise Residential:** all-electric required, electric preferred. **Non-residential:** all-electric required, electric preferred (exemptions for industrial manufacturing, biotech, and commercial kitchens).	TBD – Process ongoing, target Reach Code development for Spring 2020. Considering the following. **Single-Family/Duplex:** meet 2019 California Energy code. **Multi-family:** 10% of all new parking spaces to be EV Ready. **Non-residential:** 10 – 20% of new parking spaces to be EV Ready.	TBD – Process ongoing, target Reach Code development for Spring 2020. Considering the following recommendations. **Low Rise Residential:** PV and battery required, meet 2019 California Energy code. **Multi-family** (4-6 stories): Mandatory PV sizing TBD based on cost-effectiveness. **Non-residential:** Mandatory PV sized to the Solar Zone, approximately 15% of roof space. *all building types that do not have PV batteries, must be battery ready.	Potentially in January or February of 2020, date not set.
Hayward	**Low Rise Residential:** all-electric required **Non-residential:** Favors all-electric, and has extra requirements for mixed-fuel buildings.	**Single-Family/Duplex:** Two Level 2 EV Ready (each dwelling unit with only one parking space install one Level 2 EV Ready ADU's). **Multi-Unit:** 0-20 Spaces 1 EV2 Ready, 20 or more Spaces, 75% EV2 Ready, remaining dwelling units with parking spaces shall be provided with at least a Level 2 EV Capable. **Office Buildings:** 10 or more parking spaces, 20% of parking shall have Level 2 EVCS, an additional 30% shall be at least level 2 EV Capable. **Non-residential:** 10 or more parking spaces, 15% Level 2 EV Ready,	**Low Rise Residential:** meet 2019 California Energy code. **Non-residential:** When using mixed-fuel must have solar panels on the entire Solar Zone (if this exceeds the annual electric load for the building, it may be reduced to meet the annual load).	Nov. 19, 2019

City	Building Electrification Requirement	Electric Vehicle Charging Infrastructure	Solar Requirements	Council Date (if known)
		(exception a Level 3 DC Fast charger with 80kW or greater output may substitute for 15 Level 2 EV Spaces after at least 15 Level 2 EV Ready spaces are installed.		
Mountain View	**Low Rise Residential:** All-electric required. **Non-Residential:** For-Profit Kitchens may appeal to use natural gas for cooking equipment (must prewire for electric appliances). **Commercial:** Natural Gas allowed in Factory, Hazardous Materials, and Laboratories (must prewire for electric appliances).	**Single-Family/Duplex:** One Level 1 EV Capable, One Level 2 EV Ready (excludes ADU's). **Multi-Unit & Mixed-Use:** 0-9 Spaces 1 EV2 Ready, 10 or more Spaces, 15% EV2 CS, 85% EV Ready, 1 Level 3 DC Fast Charger per every 100 spaces.	**Single-Family/ Duplex:** PV must accommodate annual all-electric building kWh offset. **Multi-Family, Mixed-Use, Hotel/Motel, Commercial:** PV installed on 50% of Roof Area, and meet Energy Code (**low rise residential** buildings are excluded from the 50% PV requirement).	1st Reading Oct. 22, 2019 2nd Reading Nov. 12, 2019
Oakland	TBD – Process ongoing, target Reach Code development for Spring 2020. Discussion on the following. **Low Rise Residential:** All-electric required. **Non-Residential:** Mixed fuel must be 10% more efficient. Or all-electric.	TBD – Process ongoing, target Reach Code development for Spring 2020. Discussion on the following **Multi-family:** 10% EV Ready, 10% EV Capable, rest of spaces with Conduit for future EV installation.	TBD – Process ongoing, target Reach Code development for Spring 2020.	Expected in 2020, no date set
Palo Alto	**Single-Family/Duplex:** Mixed fuel must be 14% more efficient and be electrification ready. Or all-electric. **Multi-family low-rise:** Mixed fuel 8% more efficient. Or all-electric. **Office/Retail:** Mixed fuel 14% more efficient. Or all-electric.	**Single-Family/Duplex:** Provide Conduit Only, EVSE Ready Level 2, or EVSE Installed Level 2 for each residence. **Multi-Unit & Mixed-Use:** Provide Conduit Only, EVSE Ready Level 2, or EVSE Installed Level 2 for each residential unit in the structure. **Guest parking:** Provide Conduit Only, EVSE Ready Level 2, or EVSE Installed	**Single-family Residential*:** At least 500 square feet of PV. **Multi-family residential*:** Install enough PV to at least result in 12% energy efficiency savings. **Non-residential*:** Install at least 5kW of PV.	Nov. 4, 2019

City	Building Electrification Requirement	Electric Vehicle Charging Infrastructure	Solar Requirements	Council Date (if known)
	Hotel low-rise: Mixed fuel 6% more efficient. Or all-electric.	Level 2 for at least 25% of guest parking spaces, and at least 5% (at least one) EVSE Level 2 Installed. **Hotels (new):** Provide Conduit Only, EVSE Ready Level 2, or EVSE Installed Level 2 for at least 30% of parking spaces, and at least 10% (at least one) EVSE Level 2 Installed. **Non-residential:** Provide Conduit Only, EVSE Ready Level 2, or EVSE Installed Level 2 for at least 25% of parking spaces, and at least 5% (at least one) EVSE Level 2 Installed.	*All electric construction is exempt from PV requirements. (this info is as of 2017 Palo Alto hasn't yet published new solar requirements.)	
San Jose	**Single-Family/Duplex:** Mixed fuel must be at least a 10 point EDR reduction and be electrification ready. Or all-electric. **Multi-family low-rise:** Mixed fuel must be at least a 10 point EDR reduction and be electrification ready. Or all-electric. **High-rise Multi-family, Hotel/Motel:** Mixed fuel 6% more efficient. Or all-electric. **Non-residential:** Office & Retail: Mixed fuel 14% more efficient. Or all-electric, all electrification ready. Industrial /Manufacturing: Mixed fuel 0% more efficient. Or all-electric, all electrification ready.	**Single-Family/Duplex:** One Level 2 EV Ready space (includes ADU if there is a parking space). **Low-rise Multi-family:** 10% EVSE, 20% EV Ready, 70% EV Capable. **High-rise Multi-family:** 10% EVSE, 20% EV Ready, 70% EV Capable. **Hotel:** 10% EVSE, 0% EV Ready, 50% EV Capable. **Non-residential:** 10% EVSE, 0% EV Ready, 40% EV Capable. (all EV is at least Level 2)	**Low Rise Residential:** PV to meet 2019 California Energy code. Battery with at least 5kWh shall be installed. **Multi-family:** PV sized to offset 100% of the estimated site electricity load. Battery storage with capacity equivalent to the PV system shall be installed.	Oct. 1, 2019

City	Building Electrification Requirement	Electric Vehicle Charging Infrastructure	Solar Requirements	Council Date (if known)
	All others: Mixed fuel 6% more efficient. Or all-electric, all electrification ready.			
San Mateo	**Single-Family/Duplex:** Mixed fuel must be at least 15% more efficient than the Energy code minimum efficiency. Or be all-electric. **Office:** Mixed fuel must be at least 10% more efficient than the Energy code minimum efficiency. Or all-electric. **Multi-family:** TBD likely mid-code cycle.	**Single-Family/Duplex:** One Level 2 EV Outlet installed. **Multi-family:** 15% Level 2 EV Capable spaces. **Non-residential:** 10% Level 2 EV Capable spaces, 5% Level 2 EVSE Installed spaces.	**Single-family/Duplex & Multifamily (3 stories or less):** Meet 2019 Energy Code. **Multi-family (4 stories or more)*:** Minimum 3kW PV system or solar thermal. **Non-residential (<10,000 SF)*:** Minimum 3kW PV system or solar thermal. **Non-residential (>10,000 SF)*:** Minimum 5kW PV system or solar thermal. ***Exception:** May provide a solar hot water system with a minimum collector area of 40 square feet.	1st Reading Aug. 19, 2019 2nd Reading Sept. 3, 2019
Santa Clara	**Single-Family/Duplex:** Mixed fuel must be at least a (TBD) point EDR reduction and be electrification ready. Or all-electric. **Non-residential:** Mixed fuel must be at least 5% more efficient and be electrification ready. Or all-electric.	**Single-Family/Duplex:** Considering 2 EV Ready spaces **Multi-family (40 units or less):** An EV Ready space per unit **Multi-family (40 + units):** 100% EV Ready (w/ load management) **Non-residential:** 10% EVSE, 10% EV Ready, 50% EV Capable.	Meet 2019 California Energy code.	TBD – estimated November 2019.
Sunnyvale	TBD – Process ongoing, target Reach Code development target date not set.	TBD – Process ongoing, target Reach Code development target date not set.	TBD – Process ongoing, target Reach Code development target date not set.	TBD – no target date set, anticipated in 2020

City	Building Electrification Requirement	Electric Vehicle Charging Infrastructure	Solar Requirements	Council Date (if known)
Milpitas	***Single and two-family:*** *Mixed fuel energy consumption must be at least a 10 point EDR reduction. Or electrically heated mixed-fuel shall be at least 2 EDR points less. Or all-electric.* ***Multi-family low-rise:*** *Mixed fuel must be at least a 11 point EDR reduction. Or electrically heated mixed-fuel shall be at least 1 EDR point less. Or all-electric.* ***Non-residential except office and mercantile:*** *Mixed fuel 6% more efficient. Or all-electric.* ***Non-residential office and mercantile:*** *Mixed fuel 14% more efficient. Or all-electric.*	***Single and two-family:*** *install one Level 2 EV Ready circuit, and one Level 1 EV Ready circuit.* ***Multi-family (20 units or less):*** *15% access to Level 2 EV Ready circuit.* *35% access to Level 1 Capable circuit.* ***Multi-family (20 + units):*** *20% access to Level 2 EV Ready circuit.* *35% access to Level 1 Capable circuit.* ***Office:*** *5% access to Level 2 EV Charger System installed. 10% access to Level 1 EV Ready. 20% access to Level 1 EV Capable or EV Ready.* ***Other Non-residential:*** *4% access to Level 2 EV Charger System installed. 3% access to Level 1 EV Capable. Over 100 spaces, one 80kW Level 3 DC Fast charger per 100 spaces.* ***Exception:*** *Installation of each Direct Current Fast Charger with the capacity to provide at least 80 kW output may substitute for 6 Level 2 EVCS and 5 EV Ready spaces after a minimum of 6 Level 2 EVCS and 5 Level 1 EV Capable spaces are installed.*	***Residential:*** *Meet 2019 California Energy code.* ***Non-residential (<10,000 SF)*:*** *Minimum 3kW PV system or solar thermal.* ***Non-residential (≥10,000 SF)*:*** *Minimum 5kW PV system or solar thermal.* ****Exception:*** *May provide a solar hot water system with a minimum collector area of 40 square feet.*	*1st Reading Nov. 5, 2019* *2nd Reading Dec. 3, 2019*

CITY OF MILPITAS
HOUSING AUTHORITY
AGENDA REPORT
(AR)

Item Title:	**Consider Adoption of a Housing Authority Resolution Approving and Adopting Bylaws of the City of Milpitas Housing Authority, and Consider Election of Officers for the City of Milpitas Housing Authority (Contacts: Councilmembers Nuñez and Montano, 408-586-3000)**
Category:	Community Development
Meeting Date:	11/5/2019
Contacts:	Councilmember Carmen Montano, 408-586-3024 Councilmember Bob Nuñez, 408-586-3023 Christopher Diaz, City Attorney, 408-586-3041 Sharon Goei, Director of Building Safety and Housing, 408-586-3260
Recommendations:	1. Adopt a Housing Authority Resolution approving and adopting the Bylaws for the City of Milpitas Housing Authority. 2. Following adoption of the Bylaws, elect a Chairperson, Vice Chairperson and Secretary of the Housing Authority by a vote of the Housing Authority Board of Commissioners.

Background:

On February 15, 2011, by Resolution No. 8062, the City Council declared a need for the City of Milpitas Housing Authority and made appropriate findings under the Housing Authorities Law (Health & Saf. Code, § 34200 et seq.) in order to activate the Authority. As part of Resolution No. 8062, the City Council designated itself as the Housing Authority Commission and designated the Mayor as the first Chair of the Housing Authority. Health and Safety Code section 34311 authorizes the Authority to make bylaws and regulations, if not inconsistent with the Housing Authorities Law, to carry into effect the powers and purposes of the Authority, however, to date the Housing Authority has not adopted bylaws.

As part of its review of the various housing-related issues facing the City, the City Council Housing Subcommittee has been discussing the possibility of utilizing the Housing Authority in a more prominent way to address the City's housing issues. As an initial step, the Subcommittee recommended that the Housing Authority adopt bylaws to help carry out its responsibilities. The Bylaws recommended by the Subcommittee are included in the Council agenda packet.

Analysis:

The proposed Bylaws include basic requirements regarding the officers of the Housing Authority, which will include a Chairperson, and Vice Chairperson, and a Secretary. The Bylaws also designate the City Finance Director as the Treasurer, and the City Manager as the Executive Director of the Housing Authority. The Bylaws specify in Article II, Section 9 that the City Council shall serve as the Commissioners of the Authority. This section also specifies that if the Housing Authority has tenants, the Council will need to appoint two additional tenant commissioners to serve on the Authority. Many Housing Authorities throughout the state own and operate affordable housing developments for low income households, but the City of Milpitas Housing Authority does not currently do so. The City of Milpitas Housing Authority does own two residential units and one parcel with eight commercial spaces that are currently rented to tenants; however, these are properties that were transferred to the Housing Authority as former redevelopment agency properties and the Housing Authority is seeking to develop or dispose of these properties in accordance with the requirements of th

Redevelopment Dissolution Law. The Housing Authority does not plan to operate these properties as Housing Authority owned affordable housing on a permanent basis, and therefore these units do not trigger the requirement for tenant commissioners. If, in the future, the City of Milpitas Housing Authority does decide to own and operate rental affordable housing on a more permanent basis, the City Council will have to designate tenant commissioners, and the Bylaws allow for that.

The Bylaws provide rules and adopt statutory requirements regarding conflicts of interest for Authority Commissioners and staff members, and provide that Commissioners will not receive compensation, except for travel and expense reimbursement consistent with applicable City policies. The Bylaws additionally set the regular meeting dates for the Authority to run concurrently with City Council meetings, so the Authority meetings may be held as needed at the same time as City Council meetings.

At the recommendation of the Housing Subcommittee, the Bylaws further provide that the officers of the Authority (the Chairperson, Vice Chairperson, and Secretary) be elected by a vote of the Commissioners. The vote is to be held immediately following adoption of the Bylaws, and in the future would be held every two years, at the time the City's general election results are certified and the new Council is seated. If the Housing Authority adopts the Bylaws in their current form, the Commissioners should then vote to elect the Chairperson, Vice Chairperson and the Secretary.

Policy Alternative:

Alternative: The Commissioners could decline to adopt the Resolution approving and adopting the Housing Authority Bylaws, or could recommend amendments to the Bylaws.

Pros: The Commissioners may want to provide additional direction to staff to refine specific aspects of the Bylaws or add additional information.

Cons: This could delay adoption of the Bylaws and staff believes the Bylaws provide an adequate framework for the Housing Authorities operations, consistent with the recommendations of the Housing Subcommittee.

Reason for Not Recommending: The Bylaws will provide a helpful framework for the Housing Authorities operations, and staff believes that they are adequate and consistent with the recommendations of the Housing Subcommittee as drafted.

Fiscal Impact:
There is no fiscal impact from adoption of the Bylaws or election of officers to the Housing Authority.

California Environmental Quality Act:
The action being considered has no potential for causing a significant effect on the environment and is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15061(b)(3).

Recommendations:
1. Adopt Resolution approving and adopting the Bylaws for the City of Milpitas Housing Authority.
2. Following adoption of the Bylaws, elect a Chairperson, Vice Chairperson and Secretary of the Housing Authority by vote of the Housing Authority Board of Commissioners.

Attachment:
Resolution of the Housing Authority, including Exhibit A to Resolution - Bylaws of the City of Milpitas Housing Authority

RESOLUTION NO. HA_____

A RESOLUTION OF THE CITY OF MILPITAS HOUSING AUTHORITY APPROVING AND ADOPTING BYLAWS FOR THE AUTHORITY

WHEREAS, pursuant to the Housing Authorities Law (Health & Saf. Code, § 34200 et seq.) ("HAL"), the City Council of the City of Milpitas ("City") permitted the City of Milpitas Housing Authority ("Authority") to transact business and exercise any power inferred thereon by the provisions of the HAL as provided in City Council Resolution No. 8062 dated February 15, 2011; and

WHEREAS, the Authority is responsible for addressing insanitary or unsafe dwelling accommodations for persons of low income within the City; and

WHEREAS, the HAL sets forth the general procedures for creating and operating the Authority; and

WHEREAS, specifically, Health and Safety Code section 34311 authorizes the Authority to make bylaws and regulations, if not inconsistent with the HAL, to carry into effect the powers and purposes of the Authority; and

WHEREAS, the Authority is interested in adopting bylaws, as set forth in **Exhibit A** attached hereto and incorporated herein by reference ("Bylaws") to memorialize Authority procedures and powers.

NOW, THEREFORE, the Housing Authority Board of Commissioners hereby finds, determines, declares and resolves as follows:

1. Recitals. The Recitals set forth above are true and correct and incorporated herein by reference.

2. Adoption of Bylaws. In accordance with Health and Safety Code section 34311, and based on the Recitals set forth above, the Board hereby approves and adopts the Bylaws of the City of Milpitas Housing Authority (the "Bylaws"), attached to this Resolution as **Exhibit A**, together with non-substantive changes and amendments as may be approved by both the Executive Director and Authority Counsel.

3. Election of Officers. Following adoption of this Resolution, consistent with the Bylaws, the Board shall elect officers to the Authority by vote of the Board. The manner of electing officers set forth in the Bylaws shall supersede the provision of Council Resolution No. 8062 which provides that Mayor shall serve as the first Chair of the Housing Authority Commission.

4. Implementation. The Board of Commissioners hereby authorizes and directs the Executive Director, or his or her designee, to take any action and execute any documents necessary to carry out the purposes of this Resolution.

5. CEQA. The determination given in this Resolution does not commit the City of Milpitas Housing Authority to any action that may have a significant effect on the environment. As a result, such determination does not constitute a project subject to the requirements of the California Environmental Quality Act.

6. Severability. If any provision of this Resolution or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this Resolution which can be given effect without the invalid provision or application, and to this end the

provisions of this Resolution are severable. The Authority Board hereby declare that they would have adopted this Resolution irrespective of the invalidity of any particular portion thereof.

PASSED AND ADOPTED this _____ day of _____, 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____

Mary Lavelle, Housing Authority Secretary

APPROVED:

_____

Rich Tran, Chair

APPROVED AS TO FORM:

_____

Christopher J. Diaz, Housing Authority Counsel

Exhibit A

Bylaws for the City of Milpitas Housing Authority

(attached behind this cover page)

BYLAWS OF THE CITY OF MILPITAS HOUSING AUTHORITY

ARTICLE I
THE AUTHORITY; OFFICE; SEAL

Section 1. NAME OF AUTHORITY - The name of the organization shall be the City of Milpitas Housing Authority ("Authority").

Section 2. SEAL AUTHORITY - The official seal of the Authority shall be in the form of a circle and shall bear the name of the Authority and the year of its organization.

Section 3. PRINCIPAL OFFICE - The Principal Office of the Authority shall be 455 East Calaveras Blvd., Milpitas, California, or such other location in the City of Milpitas as the Authority may from time to time designate.

ARTICLE II
OFFICERS AND PERSONNEL

Section 1. OFFICERS - The officers of the Authority shall be a Chairperson, a Vice Chairperson and a Secretary.

Section 2. CHAIRPERSON - The Chairperson of the Board of Commissioners of the Authority ("Board") shall be elected by a vote of the Commissioners of the Authority. The Chairperson shall preside at all meetings of the Authority. The Chairperson shall sign all contracts, deeds and other instruments made by the Authority, in the name of the Authority, as required by the Department of Housing and Urban Development, the Housing Authorities Law as set forth in Section 34200 et seq. of the California Health and Safety Code, or other applicable federal or state laws. The Chairperson may delegate the authority to sign all contracts, deeds and other instruments, consistent with and provided for in the City's Purchasing Guidelines, to the Executive Director.

Section 3. VICE CHAIRPERSON - The Vice Chairperson of the Board shall be elected by a vote of the Commissioners of the Authority. The Vice Chairperson shall perform the duties of the Chairperson in the absence or incapacity of the Chairperson; and in case of the resignation or death of the Chairperson, the Vice Chairperson shall perform such duties as are imposed on the Chairperson until such time as the Authority shall select a successor Chairperson.

Section 4. SECRETARY - The Secretary shall be a member of the Board, and shall be elected by a vote of the Commissioners of the Authority. The Secretary shall attend all meetings of the Authority, record all votes, maintain a full and thorough record of all proceedings of the Authority, including all resolutions of the Board, in a journal of proceedings to be kept for such purposes. The Secretary shall keep all official records of the Authority, maintain custody of the seal of the Authority and shall have power to affix such seal to all contracts and instruments

authorized to be executed by the Board, and perform all other duties incident to the Office of Secretary.

Section 5. ELECTION OF OFFICERS – The officers of the Authority shall be elected by a vote of the Commissioners of the Authority immediately following adoption of these Bylaws. Thereafter, the officers of the Authority shall be elected by a vote of the Commissioners every two years, on the date that the results of each general municipal election are certified, and the new City Council is seated.

Section 6. TREASURER - The Finance Director of the City of Milpitas shall be the Treasurer. The Treasurer shall have the care and custody of all funds of the Authority and shall deposit the same in the name of the Authority in such bank or banks as the Authority may select. The Treasurer may sign all orders and checks for the payment of money and shall pay out and disburse such monies under the direction of the Board. Except as otherwise authorized by resolution of the Board, all such orders and checks shall be signed using the same process as used by the City of Milpitas and consistent with the City's adopted policies and procedures, as they may be amended from time to time. The Treasurer shall keep regular books of accounts showing receipts and expenditures and shall render to the Board on a quarterly basis, or more often when requested by any member of the Board, an account of transactions and of the financial condition of the Authority. The Treasurer shall give such bond for the faithful performance of the Treasurer's duties as the Board may determine.

Section 7. EXECUTIVE DIRECTOR - The Executive Director of the Authority shall be the City Manager of the City of Milpitas and shall be responsible, subject to the policies and directions of the Board, for the general supervision over the administration of the business and affairs of the Authority and the implementation of the Authority policies. The Executive Director shall be charged with the management of the housing projects owned and or administered by the Authority. The Executive Director shall sign, on behalf of the Authority, all contracts and other documents delegated by the Board or within the Executive Director's authority as provided herein unless federal or state regulations require otherwise; appoint, remove, discipline, and supervise the Authority's personnel; supply the Board with such information and recommendations as necessary or as may be requested by the Board; authorize and certify payrolls, requisitions, and other documents relating to the financial affairs of the Authority; and perform such other duties as may from time to time be prescribed for the Executive Director by the Board. The Executive Director may delegate such administrative duties and authority as are consistent with these Bylaws and such other rules and regulations as may from time to time be approved by the Board.

Section 8. ADDITIONAL DUTIES - The officers and personnel of the Authority shall perform such other duties and functions as may from time to time be required by the Board or the Bylaws.

Section 9. NUMBER AND APPOINTMENT OF COMMISSIONERS - The City Council shall serve as the Commissioners of the Authority in accordance with California Health and Safety Code Section 34290. Provided that within one year of the Authority having "tenants,"

as that term is defined in Health and Safety Code Section 34213.5, the Council shall either appoint two (2) additional commissioners to serve on the Authority ("Tenant Commissioners") or create a Housing Commission as required by state law. The terms of the commissioners shall be as required by the Housing Authorities Law.

Section 10. CONFLICTS OF INTEREST; CODE OF CONDUCT - Commissioners and Authority staff are honored with the public's trust, and shall conduct all Authority business in an impartial, objective manner not tainted by financial conflicts of interest. Commissioners and Authority staff shall abide by the disclosure and disqualification requirements of the Fair Political Practices Act and implementing regulations, the provisions of California Government Code Section 1090 and all other applicable rules regarding conflicts of interest. In addition, Commissioners shall abide by all rules of conduct duly adopted by the Board. Commissioners and Authority employees shall not acquire any direct or indirect interest in a housing project or in any property included or planned to be included in any project, nor shall he or she have any direct or indirect interest in a contract or proposed contract for materials or services to be furnished or used in connection with the housing project, in accordance with California Health and Safety Code Section 34281. If a Commissioner or Authority employee owns or controls a direct or indirect interest in any such property, he or she shall immediately make a written disclosure of it to the Authority and the disclosure shall be entered into the minutes. This Section 10 shall not be construed as precluding a Tenant Commissioner from serving, provided the fact of such tenancy is disclosed to the Authority in writing and entered into the minutes immediately upon a Tenant Commissioner assuming office.

Section 11. COMPENSATION – Members of the Board of Commissioners may receive their actual and necessary expenses, including travel expenses incurred in the discharge of their duties, as provided in the adopted "Council Travel and Expenditure Reimbursement Policy" and in accordance with State law. Members of the Board of Commissioners, excluding Tenant Commissioners, may not receive additional compensation, such as a meeting stipend. Tenant Commissioners shall be compensated as provided for by City Council and in accordance with the Housing Authorities Law, as may be amended from time to time. Those non-board members who serve as staff or officials of the Authority shall only receive their compensation for the City of Milpitas position and shall not receive additional compensation for their position with the Authority. The Authority's Board of Commissioners may fix and determine the compensation of all Authority employees, counsels, consultants, and agents not otherwise serving in a City of Milpitas position.

ARTICLE III
MEETINGS

Section 1. PLACE FOR MEETINGS - Meetings of the Board shall be held at the Principal Office of the Authority, unless another place is stated in the notice of the meeting.

Section 2. REGULAR MEETINGS - Regular meetings shall be held with notice on the first and third Tuesday of each month of each year at 7:00 p.m. If a regular meeting time shall be a legal holiday, that regular meeting shall be held on the next succeeding business day.

Section 3. SPECIAL MEETINGS – A special meeting of the Board may be called by the Chairperson, Vice Chairperson when acting in the capacity of the Chairperson in accordance with these bylaws, or two Commissioners for the purpose of transacting business of the Authority. Special meetings may be called as determined to be necessary and shall be noticed as provide for in the Ralph M. Brown Act (Government Code section 54950 et seq.).

Section 4. CANCELLATION OF MEETINGS – The Executive Director or Board may cancel any meeting determined in his or her reasonable discretion to be unnecessary. Any cancellation shall be subject to and in accordance with the Ralph M. Brown Act as it may be amended from time to time.

Section 5. QUORUM - The powers of the Authority shall be vested in the Commissioners in office. A majority of the Commissioners empowered to vote shall constitute a quorum for the purpose of conducting the business and exercising the powers of the Authority, and for all other purposes, but a smaller number may recess or adjourn from time to time until a quorum is obtained.

Section 6. CONDUCT OF MEETINGS - Notwithstanding any other provision in these Bylaws, all regular and special meetings of the Board shall be held in compliance with the requirements of the Housing Authorities Law, the Ralph M. Brown Act of the California Government Code, and acceptable business meeting practices. The Board shall consider all appropriate business matters to come before the Board.

Section 7. MANNER OF VOTING - The voting on all matters coming before the Board shall be by voice vote or roll call, and the ayes and nays shall be entered upon the minutes of such meeting.

Section 8. ATTENDANCE AT MEETINGS - Commissioners shall attend all regular and special meetings of the Board unless there is good cause for the Commissioner's absence. Commissioners may be removed from their position as provided for in Health and Safety Code Section 34282.

Section 9. PUBLIC MEETINGS; NOTICES - All meetings of the Board shall be open and public, and all persons shall be permitted to attend any meeting of the Board, except as otherwise provided in the Ralph M. Brown Act and other applicable laws. The Authority shall comply with all public noticing required by the Ralph M. Brown Act and other applicable law.

Section 10. PUBLIC COMMENT; REASONABLE LIMITATIONS - The Board encourages and welcomes public comment on all items on the Board' agenda and, during the public

comment period, on any matters not on the Board's agenda but within the subject matter jurisdiction of the Board. For reasons of efficiency, speakers will be limited to three (3) minutes each.

ARTICLE IV
AMENDMENTS

Section 1. AMENDMENTS TO BYLAWS - The Bylaws of the Authority shall be amended only with the approval of a majority of the Commissioners empowered to vote at a regular or a special meeting, but no amendment shall be considered unless at least seventy two (72) hours written notice thereof has been previously given to all members of the Board.

ARTICLE V
MISCELLANEOUS

Section 1. INDEMNIFICATION - To the fullest extent permitted by law, the Board may authorize indemnification by the Authority of any person who is or was a member of the Board, officer, employee or other agent of the Board, and who was or is a party or is threatened to be made a party to a proceeding by reason of the fact that such person is or was such a member of the Board, officer, employee or other agent of the Authority, against expenses, judgments, fines settlements and other amounts actually and reasonably incurred in connection with such proceeding, if such person acted in good faith and in a manner such person reasonably believed to be in the best interests of the Authority and, in the case of a criminal proceeding, had no reasonable cause to believe the conduct of such person was unlawful and, in the case of an action by or in the right of the Authority, acted with such care, including reasonable inquiry, as an ordinarily prudent person in a like position would use under similar circumstances.

BYLAWS
OF THE
CITY OF MILPITAS
HOUSING AUTHORITY

CERTIFICATE OF SECRETARY

I, the undersigned, do hereby certify:

1. That I the duly appointed and acting Secretary of the City of Milpitas Housing Authority ("Authority"), a public body corporate and politic; and

2. That the foregoing Bylaws, consisting of five (5) pages, are the Bylaws of the Authority, as duly approved by the Board of the Authority, at a meeting duly held on _____, 2019.

In Witness Whereof, I have hereunto subscribed my name and affixed the seal of the Corporation this ___ day of ___ 2019.

_____
Secretary

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Discuss clarifications related to the scope of the City Council Rules Subcommittee and provide direction to staff on next steps**
Category:	Leadership and Support Services
Meeting Date:	11/5/2019
Staff Contact:	**City Manager Steve McHarris, 408-586-3059** **City Attorney Chris Diaz, 408-586-3041**
Recommendation:	Discuss the City Council Rules Subcommittee Scope document and provide direction to staff to incorporate clarifying language related to the Subcommittee's role in adding items to the agenda.

Background:
At the April 16, 2019 City Council meeting, the Council approved the formation of a new Rules Subcommittee, comprised of Mayor Tran and Vice Mayor Dominguez. The Rules Committee met on May 10 and May 30 and an interim check in to solicit further Council direction was done at the June 11 City Council meeting. Subsequently, on June 18, 2019, the Council reviewed and approved the draft scope and guidelines of the Subcommittee. Council asked that the Rules Subcommittee be considered a pilot program for nine months, at which time it would return to Council for further direction and if directed by Council, would be incorporated into the Milpitas Municipal Code. Thus, it should be noted that at this time, the scope and guidelines of the Subcommittee is a policy document and not a legal one.

The Rules Subcommittee has been meeting since August 9 and it has been noted that there are a few items that need further clarification to enable the Rules Subcommittee to provide direction on the Council agenda, as originally intended. In addition, at the September 20, 2019 Rules Subcommittee, there was a discussion about the interpretation of the process for adding an item to the Council agenda. Thus, the City Attorney and City Manager indicated that the scope of the Subcommittee would be brought before the full City Council for discussion and to provide direction to staff on potential changes to the scope of the Subcommittee.

This item was agendized on the October 1, 2019 City Council meeting; however, due to the late evening, the Council requested this item be forwarded to the next Rules Committee/Special City Council meeting as the most expedient path forward. Due to scheduling conflicts, staff has placed this on the November 5 City Council agenda.

Council Agenda Item Request
The current process for requests to add agenda items is *any two Councilmembers working together are able to request items be added to a Council Agenda. Any request shall be submitted through an Agenda Item Request Form and shall include the following:*

1. *Names of the two Councilmembers submitting request*
2. *Name of Item*
3. *Date request is submitted*
4. *Item description and why it is being requested for Council consideration*
5. *Whether item is an urgent need and why*
6. *Alignment with Council Priority Area(s),*
7. *Timeframe within which the item would need to be heard*

If two Councilmembers request an item be added to the Council agenda, the item will be added to the next draft Council agenda and come to the Rules Subcommittee for informational purposes. The request needs to be submitted to the City Manager, City Clerk, and City Attorney by 5:00 pm, five days prior to the Rules Subcommittee meeting.

Submittal of the Agenda Item Request Form shall involve minimal to no staff work, any substantive staff work on the requested item shall commence with the approval of the full Council. Individual Councilmembers can continue to request staff work on any item requiring less than 4 hours of work, however any item requiring more than 4 hours of work will need to go through the request process and will require collaboration by two members of the Council.

Staff wanted to seek Council feedback and further clarification on the Subcommittee's role and the process for adding items to the Council agenda. This item was agendized for the October 1 Council meeting, staff made a presentation but given the late hour, Council discussion was deferred to a future meeting. A Rules Subcommittee and Special Council meeting was scheduled on October 4 to discuss the item but this meeting had to be cancelled due to other schedule conflicts.

Analysis:
Thus, staff is now seeking Council feedback and direction on updated language to the scope of the Rules Subcommittee to further clarify the Subcommittee's role in adding items to the agenda. It should be noted that when new substantial items are directed to staff, the Council will also need to consider which current work items need to be re-prioritized in order to balance workload.

1. If requests are received by the established timeline, must they be added to the next regularly scheduled City Council meeting or may the Subcommittee place on a different meeting date if the agenda already has several substantive items scheduled?

2. If the Rules Subcommittee is unable to meet, should any Councilmember Agenda Item Requests still be placed on the next regularly scheduled Council meeting or should staff bring these requests forward to the next Rules Subcommittee meeting?

3. Should the number of agenda item requests be capped at a certain number on any one Council agenda?

4. Is a more detailed explanation needed of how the request is directly tied to one of the established Council Priority Areas?

5. Does the Rules Subcommittee have discretion on determining if an item is urgent or does the Subcommittee need to place it on the next regularly scheduled City Council meeting?

6. May a majority of the Council add an item to a future agenda during a Council meeting or must an Agenda Item Request Form be submitted first?

7. Does a Council Subcommittee's request for staff work also require going through the Rules Subcommittee?

Per the approved Subcommittee document, *the Rules Subcommittee shall meet every other week on Fridays, 10 days in advance of regular City Council meetings. If the Subcommittee is unable to meet, the draft City Council agenda will be considered approved by the Subcommittee and shall be posted 6 days in advance of the City Council meeting, in accordance with the City's Open Government Ordinance.*

The Rules Subcommittee does not review agendas for Special City Council meetings held in lieu of regular meetings. Would the Council like to change this for Special City Council meetings that are scheduled at least a month in advance?

Staff is suggesting that the scope document be amended to clarify that the Agenda Item Request Form will be submitted without any substantive staff analysis, including fiscal review, legal review and policy review. The City Attorney will perform a preliminary review to ensure that the item is appropriate for Council consideration and does not conflict with any existing federal and state laws and regulations.

Also, staff would like to clarify the two-step process:

1. At the meeting where the item is first considered, the requesters will be able to explain their request to the full Council; and
2. If a simple majority of the City Council supports further study of the item, then a full staff analysis will be prepared and brought back to Council at a future meeting, as directed by the City Council, in coordination with the Rules Subcommittee and City Manager.

Recommendation:

Discuss the City Council Rules Subcommittee Scope document and provide direction to staff to incorporate clarifying language related to the Subcommittee's role in adding items to the agenda.

Attachments:

a) City Council Rules Subcommittee Scope
b) Agenda Item Request Form

Rules Subcommittee

Purpose

The Rules Subcommittee shall represent the Council in guiding and setting the agendas for regular City Council meetings. The Rules Subcommittee shall also make recommendations to the City Council to support effective City Council meeting management.

Subcommittee Members

The Rules Subcommittee shall be comprised of two members of the Council. As the presiding officer of the City Council, the Mayor shall be one of the members of the Rules Subcommittee and will be on the Subcommittee for a two year term. The other member of the Subcommittee shall be appointed by the Mayor with the approval of the City Council on an annual basis. The other Subcommittee member shall not serve two consecutive years but may be re-appointed to the Subcommittee after a one year break.

Meeting Frequency

The Rules Subcommittee shall meet every other week on Fridays, 10 days in advance of regular City Council meetings. If the Subcommittee is unable to meet, the draft City Council agenda will be considered approved by the Subcommittee and shall be posted 6 days in advance of the City Council meeting, in accordance with the City's Open Government Ordinance.

Meeting Agenda

The Subcommittee Agenda will be as follows:

I. Call to Order/Roll Call
II. Pledge of Allegiance
III. Public Forum
IV. Approval of Subcommittee agenda
V. Council Agenda Setting
    a. Review final agenda for the next regular City Council meeting including consent calendar, and Agenda Item requests from Councilmembers, and provide direction on order of discussion items.
    b. Review and provide input and direction on the draft agenda of the subsequent regular City Council meeting.
    c. Review major discussion items listed in a rolling six month City Council agenda topics list, including any items added to this list from prior Subcommittee meetings, and provide direction on prioritization of items.
VI. Other Discussion Items to support effective City Council meetings such as criteria for consent calendar and order of consent calendar items if pulled, time check during meetings, and delegation of authority to City Manager.
VII. Adjournment

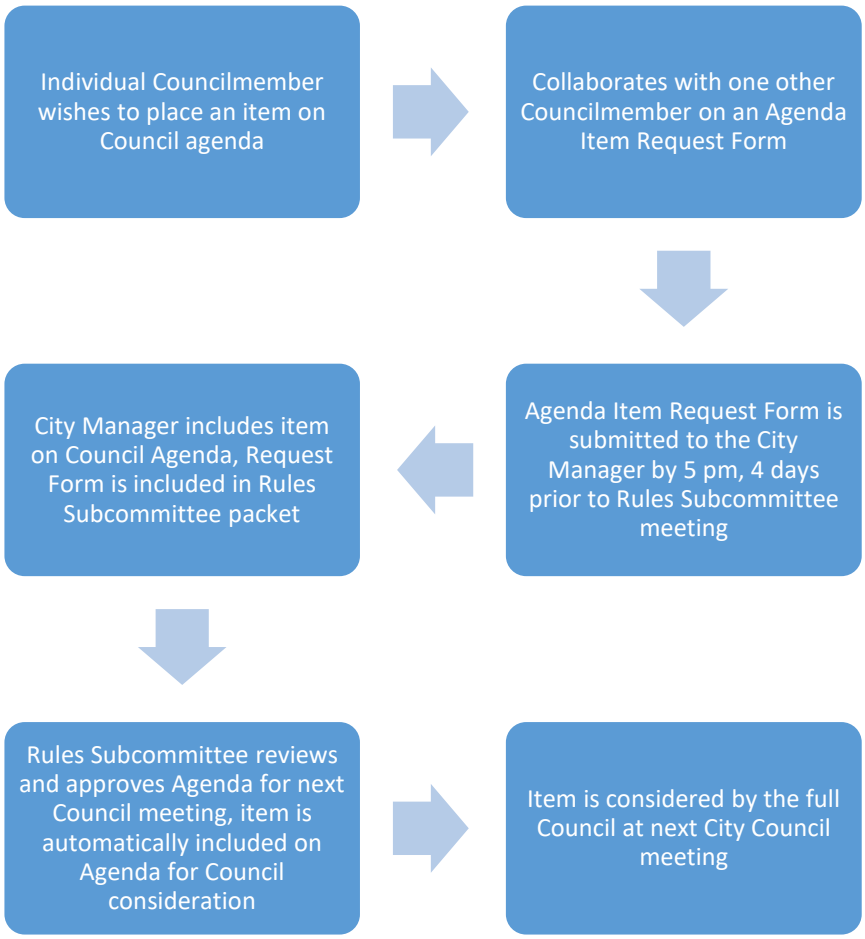
Requests to Add Agenda Items

Any two Councilmembers working together are able to request items be added to a Council Agenda. Any request shall be submitted through an Agenda Item Request Form and shall include the following:

1. Names of the two Councilmembers submitting request
2. Name of Item
3. Date request is submitted
4. Item description and why it is being requested for Council consideration
5. Whether item is an urgent need and why
6. Alignment with Council Priority Area(s),
7. Timeframe within which the item would need to be heard

If two Councilmembers request an item be added to the Council agenda, the item will be added to the next draft Council agenda and come to the Rules Subcommittee for informational purposes. The request needs to be submitted to the City Manager, City Clerk, and City Attorney by 5:00 pm, five days prior to the Rules Subcommittee meeting.

Submittal of the Agenda Item Request Form shall involve minimal to no staff work, any substantive staff work on the requested item shall commence with the approval of the full Council. Individual Councilmembers can continue to request staff work on any item requiring less than 4 hours of work, however any item requiring more than 4 hours of work will need to go through the request process and will require collaboration by two members of the Council.



Meeting Management – Consent Calendar

The Rules Subcommittee shall review items on Consent Calendar based on the criteria established for items to be on the Consent Calendar, the criteria includes the following:

1. Contracts for projects in approved Five Year CIP
2. Routine contracts for ongoing City operations
3. Reports to be submitted to other agencies
4. Grant requests and awards
5. Miscellaneous items that do not involve major policy or program decisions

The Rules Subcommittee recommends that any items pulled off consent calendar be heard last or at a subsequent Council meeting, depending upon the number of speakers and the anticipated length of the items that have been scheduled for discussion during that particular meeting.

A no vote, abstention, or formal recusal due to conflict of interest can be recorded without pulling an item off the consent calendar.

AGENDA ITEM REQUEST FORM

Please complete and submit this form to the City Manager.

Request Date	City Council Members Submitting Request	

☐ **Urgent Item** *Reason for Urgency*

Time frame for the item to be heard
(e.g., within 60 days or within 2 Council meetings)

Alignment with Council Priority Area(s):

☐ Public Safety

☐ Economic Development and Job Growth

☐ Environment

☐ Neighborhoods and Housing

☐ Transportation and Transit

☐ Community Wellness and Open Space

☐ Governance and Administration

Name of Item:

Enter item description and why the item is being requested for Council consideration. To ensure compliance with the Brown Act, no position on the item should be included in the item description.

CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Approve the Milpitas Arts Commission Work Plan for Fiscal Year 2019-20 (Staff Contact: Tegan McLane, 408-586-3212)**
Category:	Commission Reports
Meeting Date:	11/5/2019
Staff Contact:	Tegan McLane, 408-586-3212
Recommendation:	Approve proposed Arts Commission Fiscal Year 2019-20 Work Plan.

Background:
The Milpitas Arts Commission was established October 17, 2000, with the purpose of advising City Council on matters pertaining to the Arts in Milpitas, as well as to serve as the advisory body for the Public Art Program. The Commission's Fiscal Year 2019-20 Work Plan identifies goals, projects and ongoing tasks that the Commission plans to accomplish in this fiscal year.

At its August 26, 2019 Special Meeting, the Commission discussed and unanimously voted to forward their 2019-2020 Work Plan to the City Council for final approval.

Analysis:
The Arts Commission's Fiscal Year 2019-20 Work Plan aligns with existing programs and recommendations from the recent Performing Arts/ Youth Theatre Study.

Key proposed tasks are:

Milpitas Arts and Culture Grant Program
1. Promote public awareness to encourage applications.
2. Select four grant recipients.
3. Research reinstatement of cash grants to accompany space grants.

Phantom Art Gallery
1. Review existing commitments to exhibit work at the Milpitas Community Center and Library.
2. Promote public awareness campaign to encourage visitors to gallery(ies).
3. Review any new artist applications received and recommend scheduling.

Public Art Installations
1. Complete selection of Higuera Adobe Park public art.
2. Determine specifications for Montague Expressway Pedestrian Over-Crossing public art.
3. Identify at least two additional prospective locations for public art and options for low-cost, non-traditional art.
4. Prioritize and calendar all public art installation locations.
5. Make presentations to local companies illustrating how public art could be used to enhance their properties and promote their businesses.

City Public Art Collection

1. Review existing City-owned public art for maintenance and repair needs.
2. Recommend maintenance process for City-owned public art.

Performing Arts Program

1. Promote public awareness campaign for Performing Arts.
2. Support at least one new City-initiated Performing Arts opportunity.

Digital Arts

1. Research a Milpitas Film Festival to showcase Milpitas filmmakers, and short films about or filmed in Milpitas.

Fiscal Impact:

There is no fiscal impact to the Fiscal Year 2019-20 budget associated with any of the items on the Work Plan.

Recommendation:

1) Receive Arts Commission 2019-2020 Work Plan
2) Approve proposed Arts Commission Fiscal Year 2019-20 Work Plan.

Attachment

Draft Arts Commission Fiscal Year 2019-20 Work Plan

Topic/Advisory Area	Tasks	Required Resources	Goal Deadline
Milpitas Arts and Culture Grant Program	Promote public awareness campaign to encourage applications.	Commission, Staff	October 2019
	Select four grant recipients.	Commission, Staff	December 2019
	Research and propose reinstatement of cash grants to accompany space grants.	Commission, Staff	January 2020
Phantom Art Gallery	Review all existing commitments to exhibit work at MCC, Library.	Commission, Staff	October 2019
	Promote public awareness campaign to encourage visitors to Gallery.	Commission, Staff	December 2019
	Review any new artist applications received and recommend scheduling	Commission, Staff	Ongoing
Public Art Installations	Complete selection of Higuera Adobe Park public art.	Commission, Staff, Community	August 2019
	Determine specifications for Montague Expressway Pedestrian Over-Crossing public art.	Commission, Staff, Coordination with VTA	TBD
	Identify at least two additional prospective locations for public art and options for additional low-cost non-traditional art projects.	Commission, Staff	February 2020
	Prioritize and calendar all public art installation locations.	Commission, Staff	February 2020
	Make presentations to local companies illustrating how public art could be used to enhance their properties and promote their businesses.	Commission	Ongoing
City Public Art Collection	Review existing City-owned public art for maintenance, repair needs.	Commission, Staff	February 2020
	Recommend maintenance process for City-owned public art.	Commission, Staff	April 2020

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Performing Arts Program	Promote public awareness campaign for Performing Arts.	Commission, Staff	December 2019
	Support at least one new Performing Arts opportunity.	Commission, Staff	June 2020
Digital Arts	Research and propose a Milpitas Film Festival to showcase Milpitas filmmakers, and short films about or filmed in Milpitas.	Commission, Staff	February 2020

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CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Approve the Library and Education Advisory Commission Work Plan for Fiscal Year 2019-20 (Staff Contact: John Macon, 408-586-3226)**
Category:	Commission Reports
Meeting Date:	11/5/2019
Staff Contact:	John Macon, 408-586-3226
Recommendation:	Approve proposed Library and Education Advisory Commission Fiscal Year 2019-20 Work Plan.

Background:
The Library and Education Advisory Commission was founded on January 17, 1961 and makes recommendations to the City Council on matters pertaining to the operation of library services and facilities in Milpitas. The Commission's Fiscal Year 2019-20 Work Plan identifies goals, projects and ongoing tasks that the Commission plans to accomplish in this fiscal year.

At its September 16, 2019 meeting, the Commission discussed and unanimously voted to forward their 2019-2020 Work Plan to the City Council for final approval.

Analysis:
The Library and Education Advisory Commission's Fiscal Year 2019-20 Work Plan aligns with existing programs and recommendations from the previous year's Work Plan, plus a few new initiatives.

Key proposed tasks are:

County Commissions Forum
1. Attend forum and report back.

Special Projects/ Essay Contest
1. Conduct annual essay contest and/or special literacy event(s).
2. Arrange contest, judging, and awards.

Attend Local CPLA Library Conference
1. Attend conference to gain continued library knowledge.
2. If possible, seek to host the 2020 CPLA Conference in Milpitas.

National Library Week
1. Promote National Library Week Citywide via City youth programs, Senior Center, Community Center, general public, etc.

Summer Reading Program
1. Promote Summer Reading Program Citywide via City youth programs, Senior Center, Community Center, general public, etc.

Volunteerism

1. Promote and assist, events, book sales, membership drives, etc.

City Events

1. Attend City events and promote literacy and library services.

Library Donor Program

1. Review current donor program.

Fiscal Impact:

There is no additional fiscal impact to the Fiscal Year 2019-20 budget associated with any of the items on the Work Plan.

Recommendation:

1) Receive Library and Education Advisory Commission 2019-2020 Work Plan
2) Approve proposed Library and Education Advisory Commission Fiscal Year 2019-20 Work Plan.

Attachment

Draft Library and Education Advisory Commission Fiscal Year 2019-20 Work Plan

Library and Education Advisory Commission FY 2019-20 Work Plan

Topic/Advisory Area	Tasks	Required Resources	Goal Deadline
County Commissions Forum	Attend and report back to City Council	Commission, County Library	February 2020
Essay Contest/Special Projects Subcommittees: ** Dr. Seuss Day Event ** April (Arts, Math, Poetry focus)	Conduct Annual Essay Contest – Arrange, Judging, Awards	Commission, Community Partners, Staff	March-April 2020
Attend Local Library Conference	Commissioners attend local Conference to gain continued library knowledge.	Commission	April 2020
National Library Week	Form subcommittee. Promote program Citywide via City Youth Programs, Sr. Center, general public, etc.	County Library, Commission	April 2020
Summer Reading Program	Promote program Citywide via City Youth Programs, Sr. Center, general public, etc.	Commission, County Library	May-August 2019/20
Volunteerism	Membership drives, book sales, library events, etc.	Commission	September, January, June, 2019/20
City Events	Attend City Events and promote Literacy and Library Services	Commission, Staff	FY 2019-20
Library Donor Program	Form subcommittee. Review Current Donor Program	Commission, Staff	FY 2019-20

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CITY OF MILPITAS
AGENDA REPORT
(AR)

Item Title:	**Approve the Senior Advisory Commission Work Plan for Fiscal Year 2019-20 (Staff Contact: John Macon, 408-586-3226)**
Category:	Commission Reports
Meeting Date:	11/5/2019
Staff Contact:	John Macon, 408-586-3226
Recommendation:	Approve proposed Senior Advisory Commission Fiscal Year 2019-20 Work Plan.

Background:
Originally founded as the Senior Advisory Commission on December 14, 1978, this Commission served in advisory capacity to the Parks, Recreation and Cultural Resources Commission. The Commission now advises the City Council on matters pertaining to the senior citizens of Milpitas. The Commission's Fiscal Year 2019-20 Work Plan identifies goals, projects and ongoing tasks that the Commission plans to accomplish in this fiscal year.

At its August 27, 2019 meeting, the Commission discussed and unanimously voted to forward their 2019-2020 Work Plan to the City Council for final approval.

Analysis:
The Senior Advisory Commission's Fiscal Year 2019-20 Work Plan aligns with existing programs and recommendations from the previous year's Work Plan, plus a few new initiatives.

Key proposed tasks are:

Host Annual Open House and Resource Fair Events
1. Establish events subcommittee.
2. Determine event components and partnerships.
3. Assist staff with marketing and post-event evaluations.

Promote Senior Center Resource Area and Health & Wellbeing Presentations
1. Establish wellness and resource subcommittee to assist with resource area oversight.
2. Promote "Age-Friendly" kiosk area and health and wellbeing presentations.

Sponsor Senior Center Events and Activities
1. Sponsor and promote birthday celebrations, dances, holiday events, multi-cultural events, etc.

Support/Participate in "Age-Friendly" Initiatives
1. Promote and participate in Age-Friendly Initiatives (i.e. Dementia Friends) and Santa Clara County Seniors' Agenda activities.

Fiscal Impact:
There is no additional fiscal impact to the Fiscal Year 2019-20 budget associated with any of the items on the Work Plan.

Recommendation:

1) Receive Senior Advisory Commission 2019-2020 Work Plan
2) Approve proposed Senior Advisory Commission Fiscal Year 2019-20 Work Plan.

Attachment
Draft Senior Advisory Commission Fiscal Year 2019-20 Work Plan

Senior Advisory Commission FY 2019-20 Work Plan

Topic/Advisory Area	Tasks	Required Resources	Goal Deadline
Host Open House Event in January and Resource Fair in May	Establish Seniors Events Subcommittee Determine event components and partnerships. Host event. Assist staff with marketing and post-event evaluation.	Commission, Partners, Staff	January 2020 (Open House) May 2020 (Resource Fair)
Promote the Senior Center Resource Area, “Age-Friendly” kiosk and various health and wellbeing presentations throughout the year	Establish Wellness & Resources Subcommittee (in partnership with Case Manager) to oversee the Resource Area Meet on an ongoing basis to promote "Age-Friendly" kiosk area and health and wellbeing presentations.	Commission, Partners, Staff	Ongoing
Sponsor Senior Center Events and Activities	Sponsor and promote: Birthdays, dances, holiday events, multicultural events, etc.	Commission, Staff	Ongoing
Support/Participate in “Age-Friendly” Initiative(s)	Promote and participate in Age-Friendly initiatives (i.e. Dementia Friends) and Santa Clara County Seniors' Agenda activities	Commission, Partners, Staff	Ongoing

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MILPITAS CITY COUNCIL MEETING

PREVIEW OF AGENDA ITEMS

NOVEMBER 19, 2019

CONSENT CALENDAR

1) Accept City Council calendars for November and December 2019 (Mary Lavelle)
2) Approve City Council meeting minutes of November 5, 2019 (Mary Lavelle)
3) 2nd reading/Adoption of Ordinance No. 38.837 zoning amendment (Ned Thomas)
4) Adopt a Resolution Authorizing Use of US Department of Justice Criminal History Data for Milpitas Police Dept. (Henry Kwong)
5) Adopt a Resolution Approving Construction of a Hillside home at 898 Calaveras Ridge Drive (Krishna Kumar)
6) Approve Agreement for Purchase and Sale of 1831 Tarob Ct. property (Alex Andrade)
7) Authorize the City Manager to Sign Agreement with Santa Clara County for Urban Area Securities Initiative (UASI) Grant Funds of $2000 for the Fire Department (Toni Charlop)
8) Approve Agreement with Union Pacific Railroad for Garden St. Traffic Signal (Steve Erickson)
9) Approve Purchase of Fleet Vehicles for the City (Tony Ndah)
10) Receive Quarterly Financial Status Report for 1st quarter of FY 2019-20 (Walter Rossmann)
11) Approve and Receive Increased Funding ($63,658) for COPS Grant Addendum (Jared Hernandez)
12) Approve Community Advisory Commission Work Plan (Robert Musallam)
13) Approve Planning Commission Work Plan (Ned Thomas)
14) Approve Science, Technology and Innovation Commission Work Plan (Eliren Pasion, Mike Luu)
15) Consider and approve 2 Requests for Fee Waivers from Kiwanis and Pragnya (Mary Lavelle)

PUBLIC HEARINGS

16) 1st Reading and Introduction of Ordinance No. 38.839 Updating Zoning regulations for Massage Establishments (Ned Thomas)
17) Approve Transit Area Specific Plan fee adjustments for Development Impact Fees (Ned Thomas)
18) Discuss The True Life Companies' development project at 2001 Tarob Court (Ned Thomas)

LEADERSHIP

19) Approve updated Facility Use Manual (Renee Lorentzen)
20) Direction to staff on draft Council policies for Training and Events (Ashwini Kantak)

PREVIEW NEXT AGENDA

21) Preview list of items for December 3, 2019 City Council meeting agenda (Mary Lavelle)