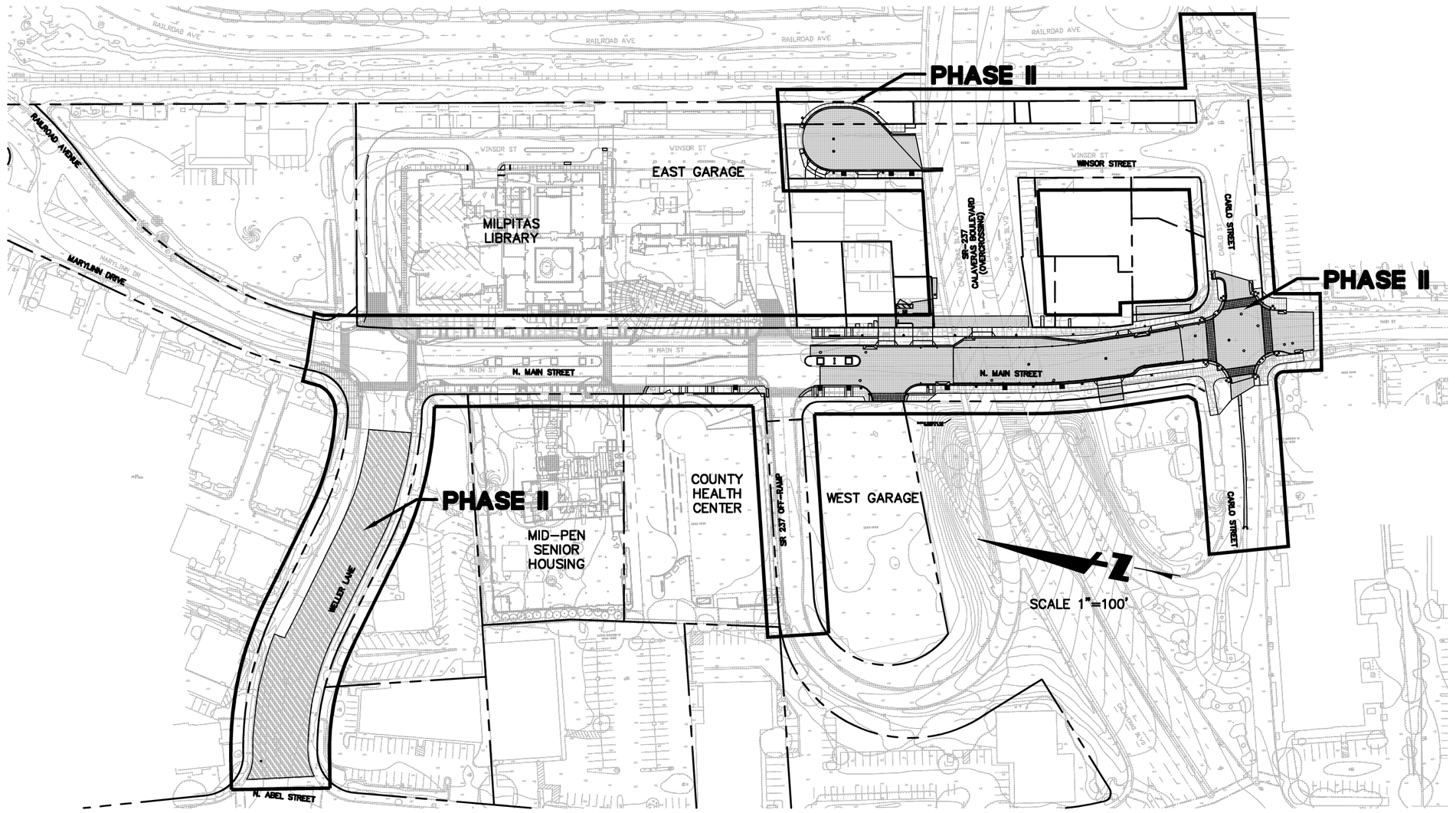
CITY OF MILPITAS – PROJECT NO. 8165
MIDTOWN NORTH MAIN STREET STREETSCAPE IMPROVEMENT PROJECT
PHASE TWO – IMPROVEMENT PLANS – APRIL 2008
FEBERAL-AID PROJECT #RPSTPLE-5314(003) / TIP ID NO. SCL 070021

ABBREVIATIONS

SYMBOL	DESCRIPTION
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
AGG	AGGREGATE
APPROX	APPROXIMATE
BC	BEGINNING OF CURVE
BCR	BEGIN CURB RETURN
BLDG	BUILDING
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
BO	BLOWOFF
BOV	BLOWOFF VALVE
BOW	BOTTOM OF WALL
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
CB	CATCH BASIN
CDS	CUL-DE-SAC
C&G	CURB & GUTTER
℄ , CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCTION
CR	CURB RETURN
CVC	CENTER OF VERTICAL CURVE
DEFL	DEFLECTION
DIP	DUCTILE IRON PIPE
DIA	DIAMETER
DW	DOMESTIC WATER
DWY	DRIVEWAY
DWG	DRAWING
EB	ELECTRICAL BOX
(E)	EAST
EC	END OF CURVE
ECR	END OF CURB RETURN
EL	ELEVATION
ELECT	ELECTRICAL
ES	EDGE OF SHOULDER
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EW	EACHWAY
EX	EXISTING
(F)	FUTURE
FDC	FIRE DEPT. CONNECTION
FOC	FACE OF CURB
FF	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE AT CURB AND GUTTER
F/L	FIRE LINE
FS	FIRE SERVICE
FM	FORCE MAIN
FP	FINISHED PAVEMENT
FT	FEET
G	GAS
GB	GRADE BREAK
GM	GAS METER
HP	HIGH POINT
HV	HIGH VOLTAGE
IC	INTERCONNECT
INV	INVERT
IRR	IRRIGATION
JT	JOINT TRENCH
LAT	LATERAL
L	LENGTH
LS	LANDSCAPE
LF	LINEAR FEET
LG	LIP OF GUTTER
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
MVC	MIDPOINT OF VERTICAL CURB
(N)	NORTH
NO., #	NUMBER
NTS	NOT TO SCALE
OG	ORIGINAL GROUND
P.A.E.	PUBLIC ACCESS EASEMENT
PCC	POINT OF COMPOUND CURVE or PORTLAND CEMENT CONCRETE
PG&E	PACIFIC GAS AND ELECTRIC
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
POC	POINT OF CONNECTION
POT	POINT OF TANGENT
PRC	POINT OF REVERSE CURVE
PROP	PROPOSED

SYMBOL	DESCRIPTION
P.S.D.E.	PRIVATE STORM DRAIN EASEMENT
P.S.E.	PUBLIC SERVICES EASEMENT
PT	POINT
P.U.E.	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL CURVE INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCEMENT
RIM EL	RIM ELEVATION
RT	RIGHT
RWL	RAINWATER LEADER
R/W	RIGHT OF WAY
S	SLOPE
SL	STREET LIGHT CONDUIT
(S)	SOUTH
SD	STORM DRAIN
S.D.E.	STORM DRAIN EASEMENT
SDMH	STORM DRAIN MANHOLE
SHT.	SHEET
SO	SOUTH
SPECS	SPECIFICATIONS
SQ.	SQUARE
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
ST.	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
T OR TELE	TELEPHONE
T&B	TOP AND BOTTOM
TC	TOP OF CURB
TEMP	TEMPORARY
TG	TOP OF GRATE
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TSB	TRAFFIC SIGNAL BOX
TYP.	TYPICAL
VC	VERTICAL CURVE
VERT.	VERTICAL
W	WATER
(W)	WEST
W/	WITH
WL	WATERLINE
WM	WATER METER
WT.	WEIGHT
WV	WATER VALVE
1/2 PT	HALF POINT OF CURB RETURN AT FOC



GENERAL NOTES:

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND THE PROJECT SPECIFICATIONS.
2. VERIFICATION OF EXISTING CONDITIONS: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, DIMENSIONS AND CONSTRUCTION IN THE FIELD PRIOR TO BID. IF ANY DISCREPANCIES ARE NOTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION.
3. UNDERGROUND SERVICE ALERT: A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 800-227-2600 FOR EXISTING UTILITY LOCATIONS.
4. UNDERGROUND FACILITIES: THE LOCATION OF EXISTING UNDERGROUND UTILITY FACILITIES, IF SHOWN ON THE PLANS, ARE APPROXIMATE ONLY. CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANY TO OBTAIN INFORMATION REGARDING THE DEPTH OF BURIAL AND HORIZONTAL LOCATION OF UTILITY LINES AS NECESSARY FIELD VERIFY OBTAINED INFORMATION, AND NOTIFY ENGINEER OF ANY CONFLICTS OR OMISSIONS. IF A UTILITY THAT IS IDENTIFIED ON THESE PLANS IS NOT MARKED BY THE RESPECTIVE OWNER, THEN IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HIRE A LOCATING COMPANY TO DETERMINE IF THE UTILITY EXISTS AND WHERE IT IS LOCATED. THE CITY SHALL BEAR NO RESPONSILIBILITY FOR UTILITY DAMAGE DURING CONSTRUCTION.
5. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE REQUIREMNTS OF THE APPROPRIATE CAL-TRANS TRAFFIC SAFETY STANDARDS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS AND OTHER DEVICES TO PROVIDE FOR SAFE PASSAGE OF PUBLIC VEHICULAR AND PEDESTRIAN TRAFFIC.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY DEVICES IN ACCORDANCE WITH CURRENT CALTRANS TRAFFIC CONTROL STANDARDS INCLUDING, BUT NOT LIMITED TO, LIGHTS, SIGNS, BARRICADES, AND FLAGGERS.
7. CONTRACTOR SHALL KEEP EXISTING STREETS FREE FROM DIRT AND DEBRIS DURING ALL PHASES OF CONSTRUCTION.
8. CONTRACTOR SHALL PROVIDE DUST CONTROL AT ALL TIMES. PRIOR TO OBTAINING WATER FROM FIRE HYDRANTS, CONTRACTOR SHALL OBTAIN A HYDRANT METER FROM THE CITY, AND PAY ALL ASSOCIATED FEES.
9. AN EROSION CONTROL AND SEDIMENTATION CONTROL PLAN MUST BE IN PLACE PRIOR TO THE START OF WORK. THE EROSION AND SEDIMENTATION CONTROL PROGRAM MUST BE APPROVED, AND IMPLEMENTED PRIOR TO THE START OF ON-SITE EARTHWORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL PLAN. EARTHWORK THAT IS NECESSARY TO INSTALL EROSION AND SEDIMENTATION CONTROL FACILITIES, SUCH AS DRAINAGE DITCHES AND SEDIMENTATION BASINS, MAY PROCEED CONCURRENT WITH THE INSTALLATION OF THE CONTROL FACILITIES.
10. ALL EXISTING UTILITY COVERS AND BOXES WITHIN THE PROJECT LIMITS ARE TO BE ADJUSTED TO GRADE BY THE CONTRACTOR. UTILITY COMPANIES, HOWEVER, RESERVE THE RIGHTS TO ADJUST THEIR COVERS AND BOXES TO GRADE USING THEIR OWN FORCES AFTER THE CONTRACT IS AWARDED. NO COMPENSATION WILL BE ALLOWED FOR ANY ADJUSTMENT WHICH MAY BE PERFORMED BY THE OWNER OF THE FACILITIES. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH UTILITY COMPANIES TO HAVE THEIR STRUCTURES ADJUSTED TO GRADE OR TO OBTAIN WRITTEN PERMISSION FROM UTILITY COMPANIES TO ADJUST THEIR STRUCTURES TO GRADE FOR THEM.
11. UTILITY REPAIR: CONTRACTOR SHALL REPAIR AND NOTIFY THE UTILITY COMPANY OF ANY DAMAGE OR INTERRUPTION OF UTILITIES, WATER LINES OR IRRIGATION SYSTEMS IMMEDIATELY.
12. TOILET FACILITIES: CONTRACTOR SHALL PROVIDE PORTABLE SANITARY FACILITIES ADEQUATE FOR ALL WORKERS. THE TYPE OF TOILETS USED, THEIR LOCATIONS AND MAINTENANCE SHALL BE IN COMPLIANCE WITH CAL/OSHA. HAND WASHING FACILITIES SHALL BE PROVIDED NEARBY THE TOILET FACILITIES.
13. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING AND GRADING, ETC., AND IS TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
14. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND CAL/OSHA.
15. WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER, OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR PUBLIC PLACE, THE CONTACTOR SHALL NOT ALLOW MATERIAL TO BLOW OR SPILL OVER AND UPON SAID PUBLIC, ADJACENT OR PRIVATE PROPERTY.
16. GRADING OR ANY OTHER OPERATION THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. SUFFICIENT WATERING TO CONTROL DUST IS REQUIRED AT ALL TIMES AND A DUST PALLIATIVE MAY BE REQUIRED BY THE CITY ENGINEER. MUD TRACKED ONTO STREETS OR ADJACENT PROPERTIES SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. STREETS SHALL BE SWEPT AS REQUIRED BY THE PROJECT SPECIFICATIONS. ADDITIONAL REQUIRMENTS RELATING TO DUST CONTROL ARE NOTED ELSEWHERE IN THE CONTRACT DOCUMENTS AND IN ENVIRONMENTAL CONSTRUCTION RISK MANAGEMENT PLAN (ECRMP) (SCS ENGINEERS, APRIL 8, 2008). THE ECRMP IS PROVIDED IN APPENDIX D OF THE PROJECT SPECIFICATIONS.
17. ALL TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
18. ALL EXISTING IRRIGATION, LANDSCAPE MATERIALS, PAVEMENT DELINEATION, CURB AND GUTTER AND OTHER IMPROVEMENTS, THAT ARE NOT TO BE REMOVED BUT ARE DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED OR RESTORED TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE CITY.
19. TOPOGRAPHIC DATA BY AERO-GEODETIC CORPORATION FLOWN ON OCTOBER 29, 2003.
20. BEFORE START OF WORK, CONTRACTOR SHALL SUBMIT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO CONTROL WATER POLLUTION DURING CONSTRUCTION OF THE PROJECT.
21. CONTRACTOR TO ENSURE ACCESS IS MAINTAINED TO ALL PRIVATE PROPERTY DURING CONSTRUCTION.
22. CONTRACTOR SHALL COMPLY WITH THE ECRMP (SCS ENGINEERS, APRIL 8, 2008), TO GUIDE RISK MANAGEMENT DURING PLANNING AND IMPLEMENTATION OF HTE EXCAVATION ACTIVITIES FOR THIS PROJECT. THE ECRMP IS PROVIDED IN APPENDIX D OF THE PROJECT SPECIFICATIONS. CHEMICALLY-IMPACTED MATERIALS (PRIMARILY PETROLEUM HYDROCARBONS) AND ARSENIC MAY BE PRESENT IN SUBSURFACE SOILS. REQUIREMENTS FOR HANDLING CHEMICALLY-IMPACTED MATERIALS AND ARSENIC IN THE PROJECT AREA ARE PROVIDED IN THE ECRMP.

SHEET INDEX

DWG NO.	DESCRIPTION
C-0.01	COVER SHEET & GENERAL CIVIL NOTES
C-0.02	KEY MAP AND LEGEND
C-1.01 THRU C-1.02	DEMOLITION PLAN (2 SHEETS)
C-2.01	PLAN AND PROFILE SHEET N. MAIN ST. – 13+20 TO 15+00
C-2.02	PLAN AND PROFILE SHEET N. MAIN ST. – 15+00 TO 21+38.12
C-2.03	PLAN AND PROFILE SHEET WINSOR ST./CARLO ST.
C-2.04	PLAN AND PROFILE SHEET WELLER LANE – 0+00 TO 5+06.97
C-3.01	UTILITY PLAN AND PROFILE SHEET N. MAIN ST. – 15+00 TO 21+38.12
C-3.02	UTILITY PLAN AND PROFILE SHEET RAILROAD AVE./CARLO ST.
C-4.01 THRU C-4.03	CIVIL DETAILS (3 SHEETS)
C-5.01	EROSION CONTROL PLAN
C-5.02	EROSION CONTROL DETAILS
C-6.01	SIGNING AND STRIPING PLAN N. MAIN ST 7+00 TO 15+90.74
C-6.02	SIGNING AND STRIPING PLAN N. MAIN ST 7+00 TO 15+90.74
C-7.00	TRAFFIC SIGNAL TITLE SHEET/NOTES AND DETAILS
C-7.01	TRAFFIC SIGNAL PLAN N. MAIN ST. AND WELLER LANE
C-7.02	EQUIPMENT AND CONDUCTOR SCHEDULE N. MAIN ST. AND WELLER LANE
C-7.03	TRAFFIC SIGNAL PLAN N. MAIN ST. AND WB CALAVERAS BLVD OFF RAMP
C-7.04	EQUIPMENT AND CONDUCTOR SCHEDULE N. MAIN ST. AND WB CALAVERAS BLVD OFF RAMP
C-7.05	TRAFFIC SIGNAL PLAN N. MAIN ST. AND CARLO STREET
C-7.06	EQUIPMENT AND CONDUCTOR SCHEDULE N. MAIN ST. AND CARLO STREET
C-8.01	CONSTRUCTION STAGING PLAN N. MAIN ST. – 13+48 TO 21+38
C-8.02	CONSTRUCTION STAGING PLAN N. MAIN ST. – 13+48 TO 21+38
C-8.03	CONSTRUCTION STAGING PLAN N. MAIN ST. – 13+48 TO 21+38
C-8.04	CONSTRUCTION STAGING PLAN N. MAIN ST. – 13+48 TO 21+38
C-8.05	CONSTRUCTION STAGING PLAN N. MAIN ST. – 13+48 TO 21+38
C-8.06	CONSTRUCTION AREA SIGNS N. MAIN ST. – 7+00 TO 23+00
C-9.01	HORIZONTAL CONTROL PLAN
LANDSCAPING	
L-1.1 THRU L-1.2	LANDSCAPE LAYOUT PLAN (2 SHEETS)
L-2.1 THRU L-2.2	LANDSCAPE PLANTING PLAN (2 SHEETS)
L-3.1 THRU L-3.3	LANDSCAPE IRRIGATION PLAN (3 SHEETS)
L-3.4	IRRIGATION NOTES AND LEGEND
L-3.5	IRRIGATION DETAILS
L-4.1 THRU L-4.2	LANDSCAPE CONSTRUCTION DETAILS (2 SHEETS)
STREET LIGHTING	
E-1.01	ELECTRICAL GENERAL NOTES
E-1.02 THRU E-1.04	STREET LIGHTING PLAN – N. MAIN ST. (3 SHEETS)
E-1.05	POST TOP ELECTROLIER DETAILS
E-1.06	LIGHTING DETAILS
E-1.07	ELECTRICAL SERVICE DETAILS
E-1.08	ELECTRICAL DETAILS

BkF ENGINEERS / SURVEYORS / PLANNERS
1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
(408) 467-9100
(408) 467-9199 (FAX)

REGISTERED PROFESSIONAL ENGINEER — MITCHEL W. BURLEY — No. 57874 — Exp. 6-30-08 — CIVIL — STATE OF CALIFORNIA

Record Drawings

Project Engineer: _____ Date: _____

Designer: _____ Date: _____

Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

Num.	Description	Date
2	65% CD SUBMITTAL	2/06/06
3	95% CD SUBMITTAL	5/12/06
4	100% CD SUBMITTAL	8/22/06
5	PROGRESS SET	3/29/07
6	RE-SUBMITTAL	10/xx/07
7	PHASE 2 – FINAL	4/21/08

Drawn By: MCW
Checked By: MWB
Designed By: MWB

Revisions

Num.	Description	Engr. Aprv.	Date

CITY OF MILPITAS — CALIFORNIA — INCORPORATED JANUARY 26, 1954

CITY OF MILPITAS
ENGINEERING DIVISION

MIDTOWN NORTH MAIN STREET IMPROVEMENTS
COVER SHEET & GENERAL CIVIL NOTES

RECOMMENDED FOR BIDDING BY: _____ DATE: _____

APPROVED FOR BIDDING BY: _____ DATE: _____

PROJECT NO. 8165
SCL # 070021
BKF JOB NO. 20056022-10
E.P. NO.
SCALE: AS SHOWN
C-0.01

RA9