

CITY OF MILPITAS

Building & Safety Division
455 E. Calaveras Blvd.
Milpitas, CA 95035
408-586-3240

www.ci.milpitas.ca.gov



SEWER LINE

1. PERMIT INFORMATION:

- A Building Permit may be issued only to a State of California Licensed Contractor or the Homeowner.
- Building Permits may be issued to a Homeowner for construction if that Homeowner indicates the intent to do his or her own work personally. If the inspection indicates the Homeowner is unable to perform the work satisfactorily, then a licensed contractor must perform the work.
- If the Homeowner is planning to hire workers, State Law requires the Homeowner to obtain Worker's Compensation Insurance. Proof of this insurance is required prior to inspection.

2. BUILDING REQUIREMENTS

- This permit only includes work between the building and the property line. A permit for any work inside the building or outside the property line, or for replacing or repairing a septic tank or system, must be obtained in person at the Permit Center, Building & Safety Division, 455 E. Calaveras Blvd.
- If a new City cleanout, or new connection to the City sewer main is required, an encroachment permit must be obtained in person at the Permit Center.
- All work must comply with the 2007 Building Code Standards (Building, Electrical, Mechanical, Plumbing and Energy) and the 2008 Milpitas Municipal Code.
- The new sewer line materials shall be cast iron, copper (copper tube shall have a weight of not less than tube type DWV), brass, Stainless Steel 316L, Schedule 40 ABS or PVC DWV plastic pipe, or extra strength vitrified clay pipe (must be kept at least 12" below finish grade).
- The size of the building sewer shall not be smaller than the building drain.
- The new sewer line must be buried a minimum of 12" below finish grade.
- Water pipes shall not be laid in the same trench as the building sewer or drainage piping constructed of clay or materials that are not approved for use inside a building unless the bottom of the water pipe is at least 12" above the top of the sewer or drainage piping AND the water pipe is installed on a solid shelf excavated at one side of the common trench with a minimum clear horizontal distance of at least 12" from the sewer or drain pipe.
- Piping shall be laid on a firm bed throughout its entire length.
- The sewer line must be installed with a minimum 2% slope or ¼" to the foot.
- A cleanout must be placed within 2 ft. of the building and another cleanout must be installed at the property line. Cleanouts shall extend to the finish grade.
- Replacement of existing sewers using trenchless methodology and materials shall be installed in accordance with IAPMO IS-26.
- Smoke alarms:** When the value of the work exceeds \$1,000, smoke detectors must be installed if they do not exist as follows: in each sleeping room, at a point centrally located in the corridor or area giving access to each separate sleeping area, and on each story. In existing construction, detectors may be battery operated. See CBC Section 907.2.10 and the separate handout on Smoke Alarms for more information.

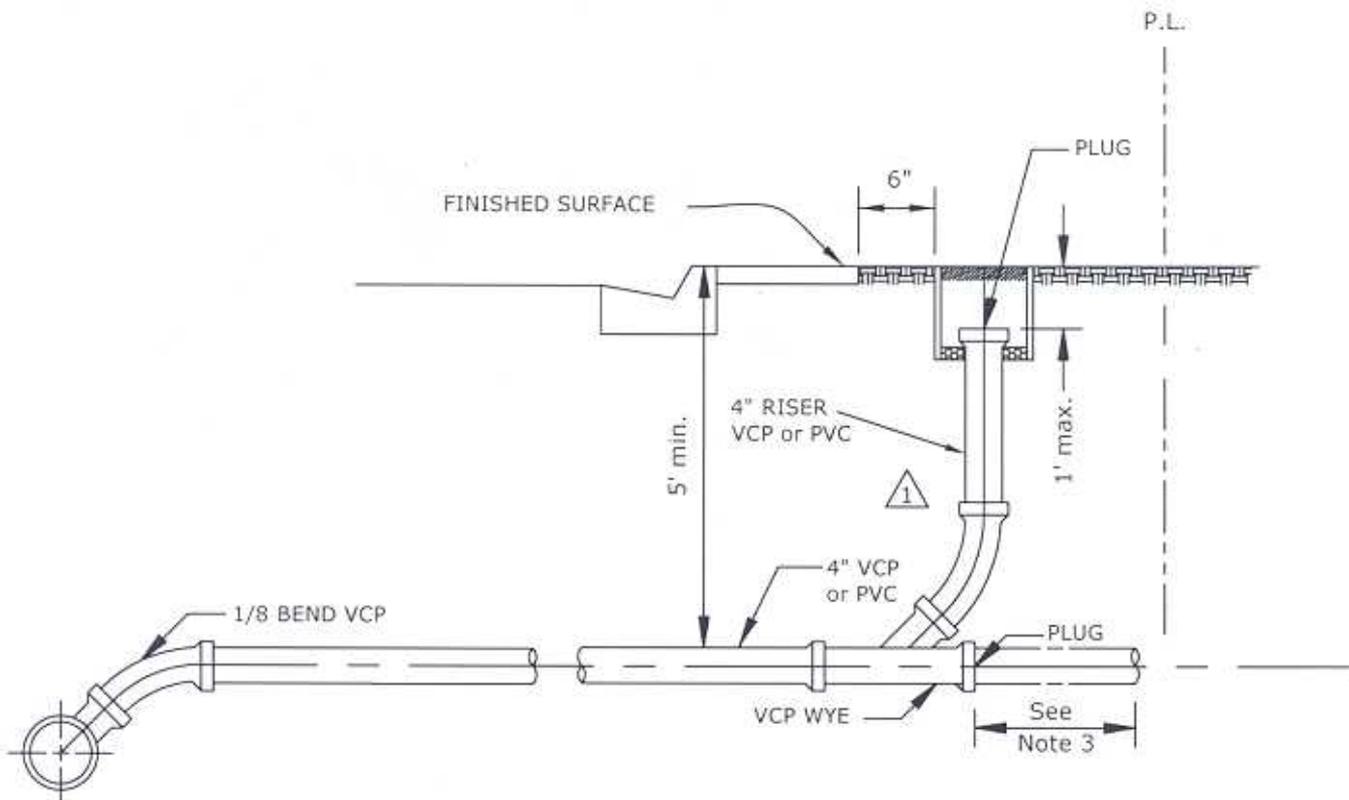
- Spark arrester:** When the value of the work exceeds \$1,000, a spark arrester must be installed on fireplace chimneys if one does not exist per MMC Section II-3-2.06. Spark arresters shall be constructed in conformance with CBC Section 2113.9.1 or 2802.1. See separate handout on Spark Arresters for more information.

3. INSPECTION PROCEDURES

- Two inspections are required for sewer line replacements, a rough and a final. The rough inspection should be scheduled when the new sewer line is installed and filled with water to check for any leaks (but before it is connected to the City connection and before any trenches are back-filled). The final inspection should be scheduled when all work is completed.

4. QUESTIONS:

- If you have any questions regarding your project contact the Building & Safety Division at (408) 586-3240.



LATERAL

Notes:

- △ 1. Clean out shall be installed as shown hereon. Clean out box shall be Christy G-5 BOX and G5C Lid and G5GR Grade Ring or approved equal with "C.O." or "S" marking. Cast iron traffic cover (Christy G-5 or approved equal) is required in sidewalk & driveway.
- 2. Plug shall be vitrified clay or rubber.
- 3. Customer service connection shall be made under the supervision of the Building department. (If on private property)
- 4. Minimum grade of lateral shall be 1/4" per foot.
- 5. Riser shall be the same size as sewer lateral.
- △ 2. 6. Where sidewalk is not contiguous with street curb, cleanout should be placed 6" behind street curb.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING
NO. 620

REVISION	DATE	DESIGNED: MK
△ 1	4/15/05	DRAWN: JH
△ 2	12/5/05	CHECKED: JH
		△ 2 APPROVED BY:

**SANITARY SEWER
LATERAL
(RESIDENTIAL)**

ORIGINAL: 3/10/66
DATE

CITY ENGINEER

12/5/05
DATE: 12/5/05

SHEET 1 OF 1