RANCHO MURIETA COMMUNITY SERVICES DISTRICT RESIDENTIAL BUILDING SEWER & WATER REQUIREMENTS

This is a quick reference quide and does not replace requirements in the District's Standards & Code

Building Sewer Materials

The building's sewer line, beginning three feet (3') from any building or structure, shall be four inch (4") sdr 35 or 26 P.V.C. pipe for a single service, and six inch (6") sdr 35 or 26 P.V.C. pipe for a double service. Any substituted material must be approved in advance and in writing by the Rancho Murieta Community Services District (District).

Sewer Grade (slope)

Building sewers shall be run in practical alignment and at a uniform slope of not less than one-fourth of an inch (1/4") per foot toward the point of disposal; provided that where it is impractical to obtain a slope of one-fourth of an inch (1/4") per foot, any such pipe may have a slope of not less than one-eighth of an inch (1/8") per foot with prior written approval by the District.

Sewer Cleanouts

- A. A two-way cleanout shall be provided at the beginning of the building's sewer and shall be no less than three feet (3') or no more than six feet (6') from any building or structure including overhang. See District Standard drawing S-13 attached for reference.
- B. The cleanout shall be installed two feet (2') back of the sidewalk in the direction of flow or at the easement line if the service is located within a side or back of lot easement. A concrete or PVC box shall be set to finish grade of the property. The cleanout and service shall be of like material and diameter. For details, see Standard Drawing N. S-10.
- C. A cleanout shall be installed within the subscribed property line where practicable.
- D. Cleanout shall be placed in every building sewer at intervals not to exceed one-hundred feet (100') in straight runs.
- E. Every change in alignment or grade in excess of twenty-two and one-half (22½) degrees in a building sewer shall be served by a cleanout, except that no cleanout shall be required for changes in direction, not to exceed one (1) forty-five (45) degree change of direction or one (1) forty-five (45) degree offset.
- F. Each cleanout shall be installed so that it opens in a direction opposite to the flow of the soil or waste or at right angles thereto, and except in the case of "wye" branch and end-of-line cleanouts, vertically above the flow of the pipe.

- G. All cleanouts shall be made accessible by yard boxes with cover exposed approximately two inches (2") above grade. Use Brooks Products, Inc., No 36 or 1 RD box or equal marked "sewer".
- H. Planting of shrubs or trees should be avoided near sewer lines or cleanouts to avoid roots intrusion which may cause sewer backups into the property.
- I. District's responsibility for sewer system begins past the installation of the last cleanout, typically at connection to sewer main line.

Sewer and Water Pipes

- A. Water and sewer lines cannot be run together in the same trench and must be made to keep a ten foot (10') separation.
- B. The bottom of the water piping at all points shall be at least twelve inches (12") above the top of the sewer piping.
- C. Refer to District Standard Drawing S-13 for <u>sewer</u> pipe bedding and backfill requirements.
- D. At no time should debris of flows be allowed to enter the sewer collection system prior to final inspection by the District.

Water Service Line

Water service lines shall be one inch (1") copper tube size polyethylene pipe with a 200 psi rating meeting AWWA standard C901. Other materials or sizes *may* be used with District's prior written approval. A minimum of eighteen inches (18") of cover must be provided for service line, bedded in utility sand.

No services shall be located in or under driveways unless approved in advance and in writing by District.

District's responsibility terminates at discharge end of water meter. See District Standard drawing W-1A "Water Service Detail" attached for reference. Meter and service line to it are an easement to provide water service and are to be maintained by property owner per District Code.

Where water service lines are installed by the open cut method, the service line trench shall be backfilled in the same manner as the water main trench except, however; service line trenches crossing an existing street shall be completely backfilled with sand, to an elevation of six inches (6") minimum over the top of the service pipe.

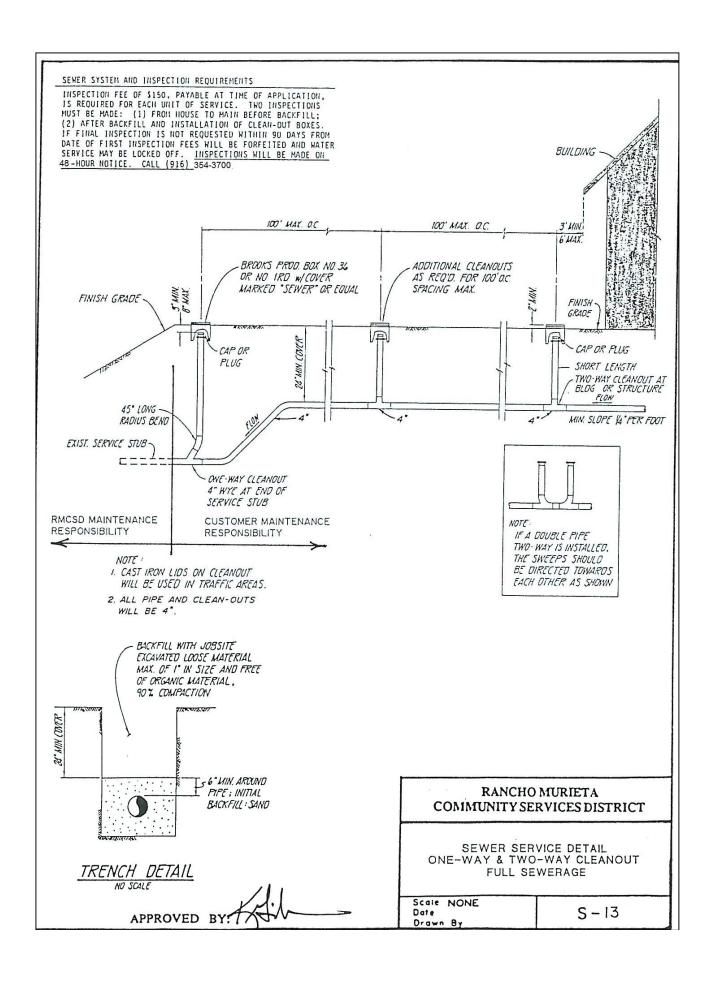
Water Meters

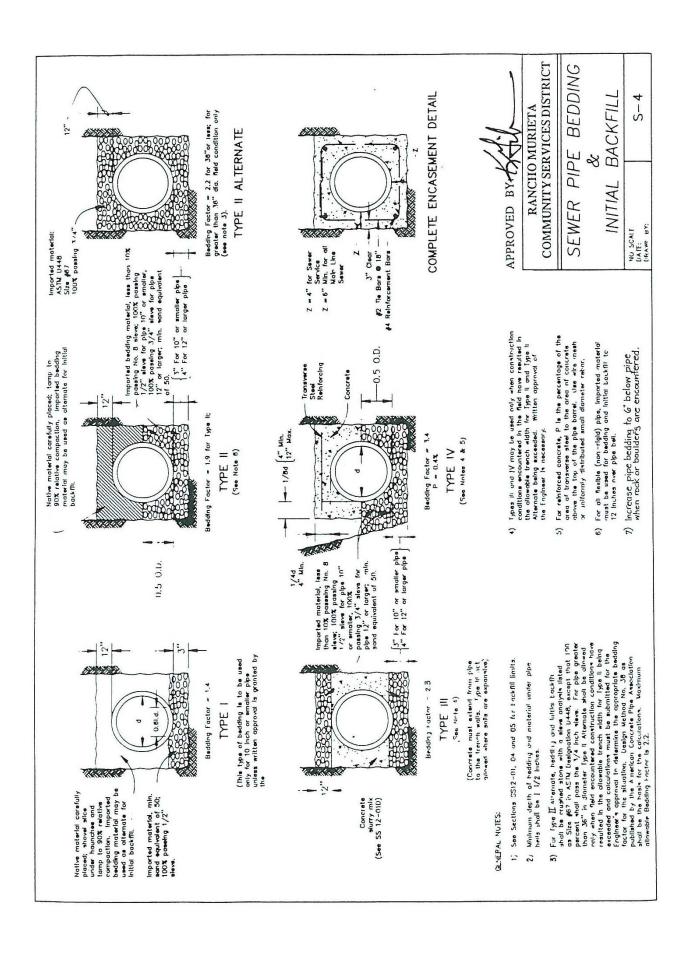
The District requires 1" Sensus Iperl meters to be installed at residential connections, ¾" meters at mobile village and townhomes. Exceptions to this must be approved by the District prior to

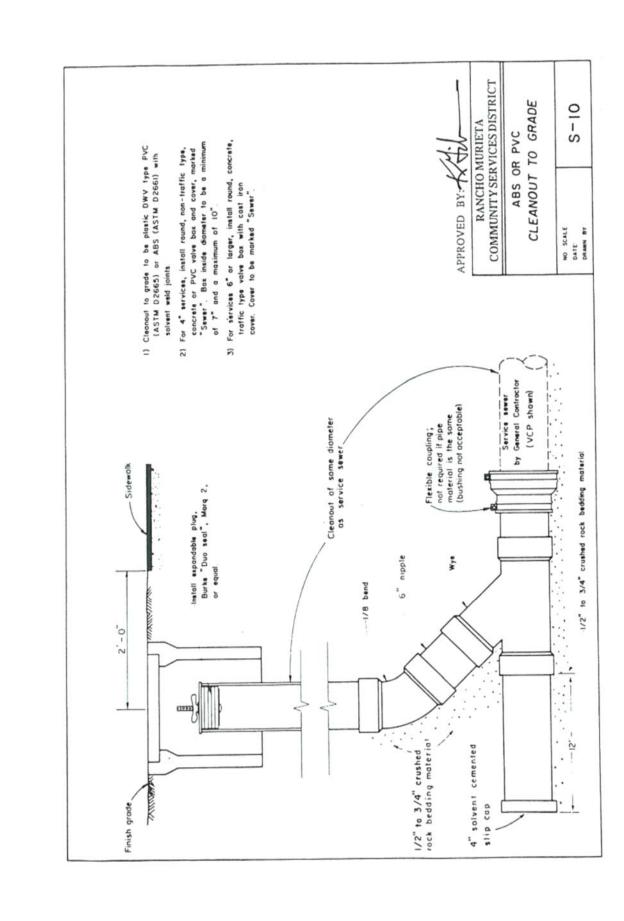
installation. See District Code Chapter 14 for details. The customer shall, at the customer's own expense, install according to District standards, the customer's private water line.

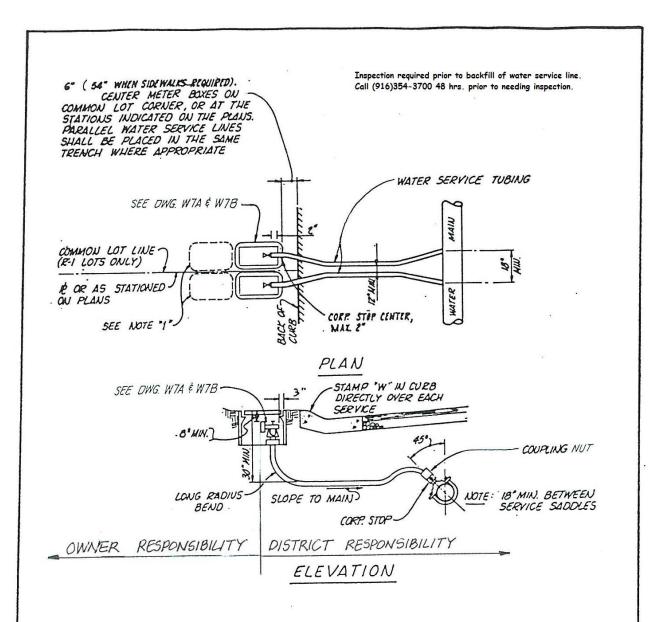
Inspection

It shall be the duty of the applicant or the person doing the work authorized by the applicant to notify the District office, orally or in writing, that said work is ready for inspection. Such notification shall be given not less than forty eight (48) hours (i.e., two full business days) before the work is requested to be inspected. It shall be the duty of the person doing the work to be on the job site with the District inspector. In no event will work be accepted that cannot be visually and CCTV checked. Email contacts for Director of Operations or Utility Supervisor may be found at: http://www.ranchomurietacsd.com/contact-us









NOTES

- WHERE INDICATED ON THE PLANS THE CONTRACTOR SHALL PLACE A SECOND, IN LINE, METER BOX IF OWNER / ARCHITECT DETERMINES IF PLACEMENT OF PRESSURE REDUCING VALVE IS NEEDED
- CONTRACTOR TO COORDINATE INSTALLATION OF 2. WATER SERVICES WITH JOINT UTILLLY TRENCH. JOINT UTILITIES WILL NOT BE ALLOWED IN WATER LINE TRENCH.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

WATER SERVICE DETAIL

Dete APPROVED BY: Drown By

Scale NONE

W-1A

