

**CALAVERAS COUNTY  
WATER DISTRICT**

**INSTALLATION**  
**of**  
**WATER SERVICE**

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## INSTALLATION OF WATER SERVICE

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### GENERAL

The following information is intended to assist the contractor or homeowner in the installation of the building water service. The building service line is that portion of the line from two (2) feet outside the building to the meter box. Work performed on private property may be performed by the owner provided that all materials and methods are in accordance with these Standards, the Standard Drawings, and the Uniform Plumbing Code.

### INSPECTION

The District shall inspect the installation of the service. The District requires a minimum of 48-hours notice prior to the start of construction. The District inspector will meet and coordinate with homeowner/contractor to discuss the requirements of the District and the location of the service(s) as submitted with the Application for New Service Quotation.

When an inspection is scheduled but the work is not complete and/or not acceptable, a **re-inspection fee** will be charged.

Trenches shall be kept open until the piping has passed inspection.

### INSTALLATION

- A. Pipe Material. See Approved Material List. Glued joints shall be joined by solvent cement of the type and method specified by the pipe manufacturer.
- B. Location. The owner is responsible to verify, prior to construction, that the meter box is located on the parcel to be served. Water service crossing driveways or other surface improvements shall be "sleeved." Building services that are parallel to and deeper than the footing of a building or structure shall be laid at least 45-degrees therefrom with a minimum of two (2) foot clearance. Water service lines are to be 50 feet from the edge of sewer leach fields.
- C. Excavations. All excavations shall be open trench and be inspected by the District. The trench section shall be in accordance with the Standard Drawing provided herein.
- D. Common Trench. A water service can be laid in the same trench as the building sewer if a solid shelf to one side of the common trench is provided for the water service such that the water service will have a clearance of 12-inches from the sewer in the horizontal and vertical directions. Water services shall always cross 12-inches above a sewer or drain pipe. Electrical service is prohibited in the

same trench as the water and sewer. The water and/or sewer trench have 12-inches of separation from other utilities.

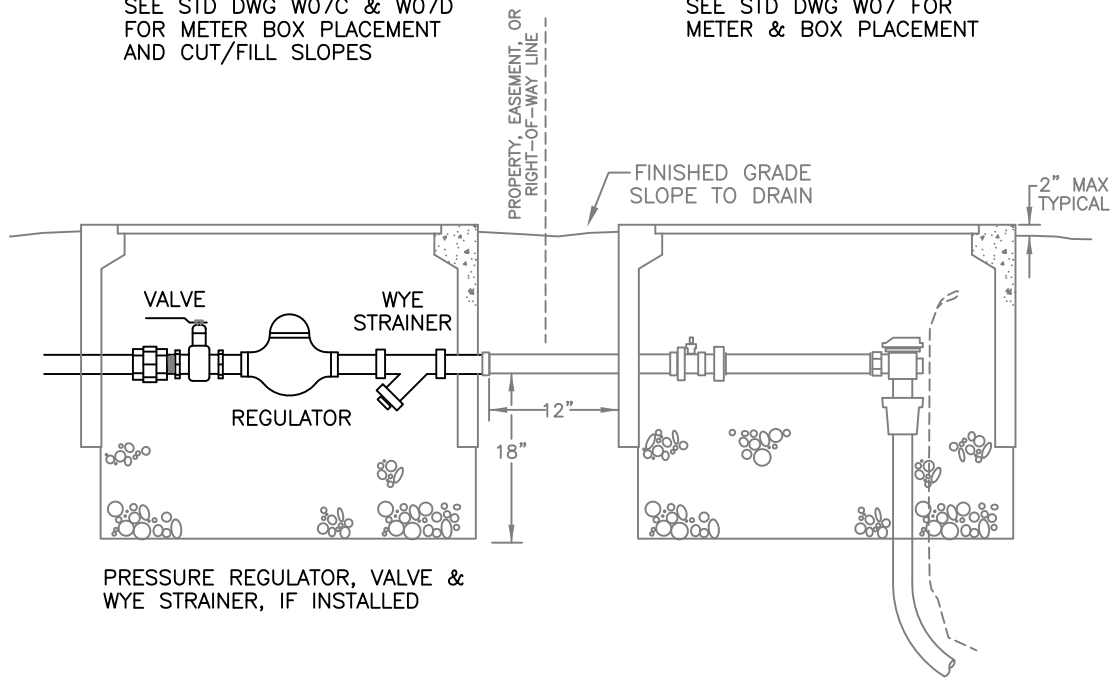
- E. Minimum Cover. For non-driving surfaces, the minimum cover shall be eighteen (18) inches from top of pipe to finish surface.
- F. Utility Crossings. Water services are to cross over sewer pipes by a minimum of twelve (12) inches. A minimum vertical clearance of twelve (12) inches is required for all other utilities.
- G. Pipe Bedding. See Approved Material List. Bedding material shall be placed two (2) inches below and six (6) inches above the pipe.
- H. Backfill Material. Native material may be used provided it is free from organic debris and rock 3-inches and larger. Prior to backfilling over a building sewer, all construction shall be inspected and approved by the District inspector. Any building sewer backfilled prior to inspection approval shall be required to be re-excavated for proper inspection and approval.
- I. Tracer Wire. Building service is to have tracer wire along the entire length from the meter box to the building.
- J. Testing. Test the water service by closing the valve at the building and opening the meter valve. All joints are to be inspected for leaks.

END

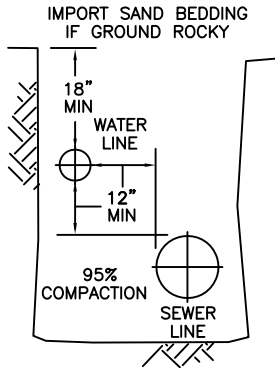
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SEE STD DWG W07C & W07D  
FOR METER BOX PLACEMENT  
AND CUT/FILL SLOPES

SEE STD DWG W07 FOR  
METER & BOX PLACEMENT



PRESSURE REGULATOR, VALVE &  
WYE STRAINER, IF INSTALLED



COMMON TRENCH  
ON PROPERTY ONLY  
GRAVITY ONLY

NOTES:

1. AN APPROVED BUILDING PERMIT FOR THE PARCEL REQUESTING SERVICE IS REQUIRED AT THE TIME APPLICATION FOR WATER AND/OR SEWER SERVICE IS MADE.
2. CUSTOMER IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF PRESSURE REGULATING VALVE, BOOSTER PUMP OR OTHER APPRTENANCES AFTER METER, IF REQUIRED.

<b>CALAVERAS COUNTY WATER DISTRICT</b>		
CUSTOMER SERVICE DETAILS STANDARD WATER SERVICE CONNECTION		
DRAWN BY: CCWD STAFF	SCALE: NONE	CCWD STANDARD DRAWING NO.  <b>SERVICE CONNECTION WATER HANDOUT 1</b>
APPROVED: S.HUTCHINGS	DATE: DEC 2007	