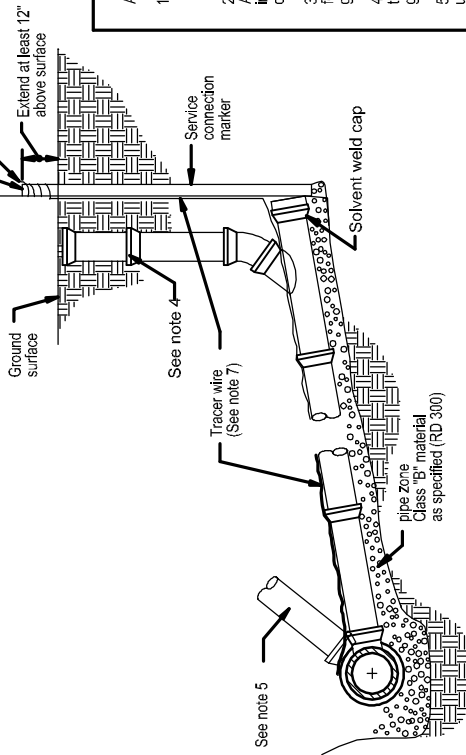


PLAN

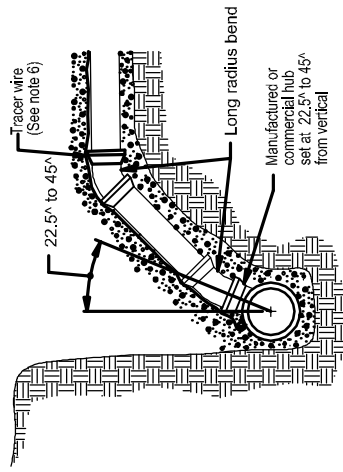
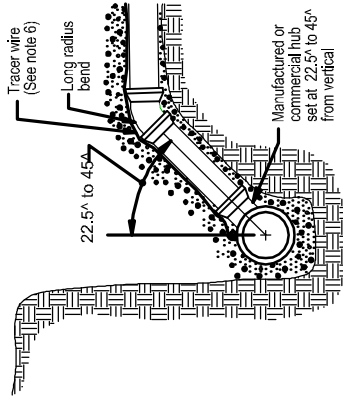


ELEVATION

SHALLOW TRENCH SERVICE

NOTES:

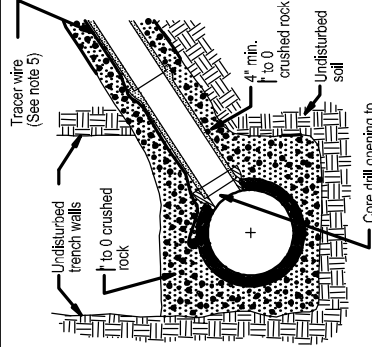
1. Pipe and fittings shall be compatible. Only manufactured fittings shall be used.
2. Minimum depth at right of way or easement line shall be 4'.
3. Marker posts and blocking shall be treated wood. Post shall be 2" x 4" in. Post to extend 12" minimum above finish grade and exposed area shall be painted green.
4. When required, a cleanout shall be installed where directed.
5. Lay building sewer at max. 45° from horizontal to achieve required depth at property line when minimum slope results in excessive depth.
6. For bedding and backfill see Std. Drg. RD300.
7. See Std. Drg. RD336 for tracer wire details.



DEEP TRENCH SERVICE

Additional Notes:

1. Sewer Pipe Size: 4" diameter for single family dwellings 6" diameter for multiple family dwellings
2. Sewer Pipe Materials: Pipe shall be ASTM D3034 pvc within city right of ways. Pipe inside private property shall conform to the current Oregon Plumbing Specialty Code.
3. Cleanouts shall be installed every 100 lineal feet and at changes in horizontal alignment greater than 45 degrees.
4. Grade on service laterals shall not be less than 1% with no changes in vertical alignment greater than 45 degrees.
5. Pipes shall be installed in a straight line on a uniform grade throughout its length.
6. Contractor or owner shall be responsible for locating and protecting all existing utilities.
7. Contractor or owner shall give Public Works at least 4 hours notice after installation of the pipe and appurtenances and before backfill is placed. Public Works shall inspect and accept, or provide a list of deficiencies. Phone 541-475-6114 between 8 AM and 4 PM Monday thru Friday.
8. Trench and backfill shall be shown in diagram.
9. For STEP systems, refer to "Low Pressure Sewer Construction Standards" provided on the City's website at [www.winstoncity.org](http://www.winstoncity.org)
10. No gripper plugs will be allowed. Solvent weld (glue on) connection with screw cap.



WASTEWATER SERVICE TAP

NOTES:

1. Seat tee in place to fit outside surface of carrier pipe and to form watertight seal.
2. Type of tapping tee shall be watertight and conform to standard specification requirements.
3. Tapping tee shall not protrude into pipe except as approved by the engineer.
4. For bedding and backfill, see Std. Drg. RD300.
5. See Std. Drg. RD336 for tracer wire details.

NOTES:

1. Pipe and fittings shall be compatible. Only manufactured fittings shall be used.
2. For details not shown see shallow trench service connection drawing.
3. Vertical trench walls are required. If it is not possible to maintain vertical trench walls, use alternate connection method to maintain a maximum distance between riser pipe and trench walls. Replace all excavated or disturbed material with full depth granular backfill compacted to 95% relative density.
4. Where deep connection is at an angle less than 45° from vertical, aucille iron pipe and fittings should be used.
5. For bedding and backfill, see Std. Drg. RD300.
6. See Std. Drg. RD336 for tracer wire details.