

**SANITARY SEWER MAIN INSTALLATION
GENERAL NOTES**

1. A pre-construction conference must be held with the City prior to start of construction.
2. Underground utilities shown are for the convenience of the contractor only. It is the contractors responsibility to use the "one-call" telephone (1-800-424-5555) 48 hours before construction is started.
3. All materials and construction shall be in accordance with the current edition of the WSDOT standard specifications for roads, bridges and municipal construction and City of Centralia standards.
4. Erosion control measures shall be taken during construction to prevent siltation of existing and proposed facilities.
5. Pipe for sanitary sewer shall conform to Section 7-17.2 of the current standard specifications for road, bridge and municipal construction published jointly by WSDOT and the State Chapter of APWA and be one of the following:
 - a. Ductile iron pipe shall conform to Section 9-05.13 and ANSI A21.51 or AWWA C151 and shall be cement mortar lined. Minimum thickness shall be class 51.
 - b. Polyvinyl chloride (PVC) pipe shall conform with the provisions of WSDOT Section 9-05.12. 8"-15" ASTM D 3034, SDR 35 / 18"-24" ASTM F 679
6. The end of laterals shall be marked with a 2x4 wooden stake four feet long (minimum) buried in the ground a depth of three (3) feet (minimum).
7. All laterals shall be laid at 2% minimum except where noted. 6" pipe to property line laterals must be provided to all appropriate properties.
8. All laterals shall be connected to mains with a manufactured wye or wye saddled tap unless otherwise approved by the City Engineer. Lines 12-inch or larger and high flow lines may use tee connections with prior approval.
9. Layout and construction staking will be done by a design engineer or a licensed land surveyor. All vertical control shall be established using the 1988 USGS Datum.
10. All new manholes shall be sixty inches (60") in diameter, Type 1 manholes unless otherwise specified by the City.
11. Low pressure air test is required on all new sanitary sewer lines (including laterals). Testing shall be per APWA specifications and witnessed by the City.
12. A vacuum test is required on all new manholes and altered manholes.
13. Schedule all tests with the City and allow two (2) working days advance notice.
14. A copy of the T.V. inspection video of the sewer main shall be provided to the City along with the inspection report prior to final acceptance.
15. As-built drawings shall be submitted to the City prior to final acceptance.
16. All necessary easements must be recorded before final acceptance.
17. The contractor is to notify the City two (2) working days prior to the start of construction. All materials must be submitted and approved prior to use.
18. A manhole and clean-out assembly detail shall be submitted prior to construction for the City's approval.
19. On all main extensions, a lateral shall be installed from the main to the right-of-way for all existing residences and for all possible future building lots along the main extension. The actual locations shall be approved by the City of Centralia and adjacent property owners prior to construction.

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SIDE SEWER REGULATIONS (Ord. 2051)
GENERAL NOTES

1. Any work including installation, replacement and repair, on the sanitary side sewer requires an inspection permit. This must be obtained – in advance of the work – from the City utilities building at 1100 N Tower Ave.
2. Inspection permit fees:
 - *Single–family dwelling: \$ 50.00
 - *Multiple–family dwelling: \$ 75.00
 - *Commercial/Industrial: \$ 100.00
 - Alteration, repair and abandonment of existing lateral \$ 50.00
 - *I & I Rehabilitation: No charge–must be approved by Public Works
 - *After hours or holiday Inspections: \$ 100.00
 - *Re–inspection: \$ 50.00
 - Grinder pump connection permit \$ 100.00
 - Grinder pumps commercial or industrial connection \$ 150.00
3. For inspection, call the Public Works Office at (360) 330–7512. Inspections will be made 8:00 A.M. – Noon and 1:00 P.M. – 3:00 P.M.
4. "Side Sewer" means that part of the horizontal piping of a drainage system which extends from the end of the building drain and which receives the discharge of the building drain and conveys it to a public sewer, private sewer, individual sewage disposal system or other point of disposal.
5. All costs and expenses incident to the installation and connection, operation and maintenance and replacement of the side sewer shall be borne by the owner.
6. Pipes acceptable for side sewers: polyvinyl chloride(PVC) ASTM D 3034, SDR 35; cast iron soil pipe, federal spec. WWP–401; ductile iron, ANSI A 2151, thickness class 51. Not acceptable for side sewer: black ABS pipe, glued joint pipes, glued fittings.
7. Side sewer for single family dwelling shall be no less than 4" diameter from dwelling to property line and 6" from property line to public sewer. All multiple family, commercial and industrial side sewer lines shall be no less than 6" diameter between main and building. Each building must have a separate side sewer.
8. No 90 degree bends allowed.
9. A cleanout is required within 36" of all buildings and at intervals of not more than 100 feet. Cleanouts shall be extended to within 18" of surface and capped except where surface is paved: in paved area, cleanouts shall be extended flush with surface and plugged with an acceptable threaded metal plug. Laterals shall be straight lines between cleanouts.
10. Backwater valves--- The Uniform Plumbing Code requires backwater valves on building sewers where the finished floor is below the rim of the upstream manhole. Backwater valves, if they are installed, must be located within the building footprint upstream of the cleanout. The city is not responsible for their installation, maintenance, or operation.
11. Lines shall be laid on uniform slope not less than 1/4" per foot for 4" pipe and 1/8" per foot for 6" pipe. Pipe shall be bedded in and covered with suitable fine material. Alignment of both vertical and horizontal shall be straight and true.
12. Minimum cover for side sewers shall be 18" on private property.
13. Side sewer shall be water or air tested for their entire length. Inspection of the test must be witnessed by a Public Works employee before backfill(see#3). (See paragraph 15.10.240, ordinance 2051 for details.)
14. Contractor shall provide 24 hours notice when requesting inspection.

Any questions regarding the above regulations may be directed to the Public Works Office (360) 330–7512

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