

STANDARD WATERLINE NOTES

1. Waterlines and appurtenances shall be constructed according to the manufacturer and Stark County Sanitary Engineering Department specifications and details in effect at time of construction.
2. Prior to start of construction, the contractor shall have a pre-construction meeting with the Construction Engineer of the Stark County Sanitary Engineering Department (330-451-2310). A minimum of 72 hour notice is required to schedule this meeting.
3. The contractor shall notify all property owners along the route of the water line at least 3 days prior to start of construction.
4. The contractor shall alert the Utilities Protection Service at least 48 hours prior to start of construction.
5. Approval by the Stark County Sanitary Engineering Department constitutes neither expressed nor implied warranties as to fitness, accuracy or sufficiency of plans, designs or specifications.
6. All rough grading to within 6 inches of finished grade shall be completed within easements and rights-of-way prior to waterline construction.
7. Minimum clearance between waterlines and sanitary sewers shall be 18 inches vertically and 10 feet horizontally.
8. Minimum customer service line diameter shall be 1 inch. Minimum cover shall be 4 feet.
9. No changes to the water service line locations shall be made without the approval of the Stark County Sanitary Engineer.
10. Water service lines shall terminate at the curb box, which shall be located at the right-of-way line, or at the easement line when the water main is in an easement. Water service lines in cul-de-sacs shall terminate within 3 feet of a lot corner.
11. Booster pumps are not permitted on service connections to one, two, and three family dwellings.
12. DCIP water main pipe shall conform to AWWA C-151 and to AWWA C-111 for joints.
13. All pipe joints within 50 lineal feet of any bend, fitting, valve, dead-end, and/or tee shall be restrained using mechanical joints, Mega-Lug®, or approved equal. Additionally, poured in place concrete thrust blocks shall be provided at all bends, tees, dead-ends, fittings, etc. Blocks shall be positioned to withstand resultant forces at each location and shall bear on undisturbed ground. Approved hardwood or concrete blocking shall be provided behind hydrant tees and shoes; without covering up hydrant weep holes.
14. Water main pressure testing shall conform to AWWA C-600.
15. Water main disinfection shall conform to AWWA C-651.
16. Minimum cover over waterlines shall be 5 feet.

17. Hydrants shall be Mueller 421 Centurion 3-way, with 4 ½ " nozzle connection for fire hose.
18. Type 'A' hydrant refers to 90 degree tee assembly off of mainline. Type 'B' hydrant refers to end of mainline assembly. The contractor shall refer to Stark County Sanitary Engineering Department specifications and details.
19. Fire hydrants shall be factory painted red except for the dome, which shall be reflective white.
20. Hydrants, hydrant valves, mainline valve boxes and curb boxes shall not be located within sidewalks, driveways or driveway aprons.
21. Blow-off hydrants shall have a 3 inch inlet, a 2 inch outlet and a 3 inch DCIP riser pipe, and shall be Eclipse No. 85 Box Hydrant, or approved equal.
22. All waterline trenches beneath proposed or existing pavement shall be compacted in lifts, in a manner, and with material as specified by the Stark County Sanitary Engineering Department and all applicable O.D.O.T. specifications.
23. The contractor shall install a 1 inch diameter copper pipe on curb stops at intervals of less than 1200 feet and at all dead ends to allow for bacteria sampling. Locations will be determined by the Stark County Sanitary Engineering Department. After sampling has been completed, the contractor shall remove the sampling pipes at his expense.
24. Prior to installation, all appurtenances shall be inspected by the Stark Sanitary Engineering Department.