

# Developer-installed Water Mains

## Selective Notes on Plans for 4" Through 12" Water Mains

### Seattle Public Utilities

To be added as needed to the Required General Notes

- A. Hydrant connection shall be 6" D.I.P. CL. 52 conforming to AWWA C-151 with cement mortar lining conforming to AWWA C-104.
- B. Hydrant installation shall be per Standard Plan #311.
- C. Hydrant traffic island protection shall be per Standard Plan #312.
- D. Hydrant protection retaining wall shall be per Standard Plan #313.
- E. Blowoff installation shall be per Standard Plan #340.
- F. Valve box and operating nut extensions shall be per Standard Plan #315.1a
- G. Concrete water main thrust blocking for vertical fittings shall be per Standard Plan #330.1.
- H. Concrete water main thrust blocking for horizontal fittings shall be per Standard Plan #331.1.
- I. Where shown on the plans, restrained joint pipe and fittings shall be TR Flex Restrained Joint as manufactured by U. S. Pipe Company or approved equal.
- J. Where shown on the plans, pipe (W) and fittings shall be encased with polyethylene film conforming to AWWA C-105. Minimum thickness shall be 8 mil. Where shown on the plans, pipe (W) and fittings shall be polyethylene tape coated conforming to AWWA C-124 and SPU Special Provisions.
- K. Trench backfill for pipe with protective coating or polyethylene encasement shall be per Standard Plan #350. Class B bedding noted shall be mineral aggregate type 6 & 7 (Sand).
- L. Electrolysis test stations shall be per Standard Plan #360.1 with wiring connections per the wiring diagram on the plans.
- M. Joint bonding shall be per Standard Plan #362.1.
- N. Isolated couplings shall be per Standard Plan #363.
- O. Install 17 pound magnesium anodes a minimum of 3 feet below ground surface and a minimum of 12 inches apart as shown on the plans.
- P. RJ pipe is required in those areas where terrain is greater than 15%, where soil is subject to liquefaction, where the area is defined as sensitive, where space is confined (no room for MJ or Conc. Block) and where required by SPU.