

Portland Water District



Water and Sewer Construction Specifications and Procedures

Effective Date: 11/1/2020



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Portland Water District Specification Revision Guide

Date	Section	Revision
12/02/03	III	Corporation Material Specification
12/10/03	III	Service Saddle Material Specification
12/10/03	VI	Standard Detail Sheets add S.A. Blow-Off / Revised Blow-Off
05/23/06	III	MJ Field Lok Gasket added as an approved pipe joint restrainer
05/23/06	III	Powerseal Models 3490 and 3490MJ added as approved Tapping Sleeves
05/23/06	III	Restrained Joint Gasket Section added to Materials Specification
05/23/06	I D	Separation of Utilities Updated
05/23/06	II B 2	Depth of Main Cover in Standish, Windham, and Raymond changed to 6'
05/23/06	II	Sanitary Release Form Removed from Specifications
05/23/06	III	Service Saddle - Smith Blair Model 265 approved for PVC pipe
05/23/06	III	Ductile Iron Pipe – 16” pipe and larger to be approved by PWD
05/23/06	II C 4.14	Revised Blowoff Requirement for main/service endings
05/23/06	III	Hydrant Flow Indicator Collars to be placed on new hydrants by PWD
05/23/06	VI	Discontinued Requirement of Polywrapping of Hydrant Barrel
05/23/06	III	IPEX added as an acceptable manufacture of PVC Pipe
05/23/06	VI	Weep hole in blowoff assembly increased in size from 1/16” to 1/8”
05/23/06	III	American Darling Model B62B-5 added as an acceptable hydrant
05/23/06	VI	Standard Trench Detail revised
05/23/06	V C 3 3.01E	Requirement added that sewer force mains shall terminate in MH
05/23/06	V C 3 3.02E	PWD will no longer make taps into sewer manholes, but will require inspection of any connections
05/23/06	III	Service Saddle Specification modified for different pipe materials
05/23/06	II C 4.12	Restrained Joint Gasket requirement added for services with a joint between tap and end of service
05/23/06	II C 6.5	PWD to retain right to determine limits of pressure testing water mains
07/28/06	III	“Blocking Plane” requirement added to Material Spec and Detail Sheet
07/28/06	III	Tapping Sleeves – JCM 415 (or equal) sleeve required for tapping RCCP pipe
07/28/06	I D 4	Min. Separation between water main/service and Utility Pole is 6 feet
07/28/06	III	Service Box (Bibby) and Service Box Cover (QWP) approved
07/28/06	II C 4.12	Minimum size for new water service is 1”
07/28/06	V 3 2.06 Q	Requirement for Standby Generators on all new pump stations added
01/25/07	II C 4.7	PWD reserves the right to specify the use of specialty gaskets
01/25/07	III	Butterfly Valve removed from Specifications. Resilient Seated Gate Valve modified for large diameter applications
01/25/07	III	Service Box Extensions – any extension requires a threaded merchant coupling with no set screw
01/25/07	V C 2.01 C 1	All sewer force mains less than 3” in diameter must be approved by PWD



01/25/07	III and VI	Note stating that valve boxes must have a bottom lip added to Materials Section and emphasized on standard detail
01/25/07	II B 3	Street line gate valve required on connections to mains older than 50 years
01/25/07	II A 1 a	Revised Fire Protection Fee to reflect current hydrant replacement cost
01/25/07	II A 1 g	Added Valve Box Adjustment Deposit requirement for new main extensions
01/25/07	I D 3/4	Vertical separation required between mains and sewers at crossings changed from 18" to 12"
01/25/07	II B 1 & III	All ductile iron water mains and services to be wrapped in polyethylene encasement. Polyethylene encasement material specification modified
01/25/07	III	Atlantic States Pipe added as an approved Ductile Iron Pipe material
01/25/07	VI	Standard Trench Detail revised to note "sand bedding" instead of "select backfill"
9/24/07	II C 7	Disinfectant Requirements
9/24/07	III	Table of Contents: Materials Notes
2/1/09	II A	Fees related to Main Extension Projects
1/1/12	II A	Fees related to Main Extension Projects
5/17/13	III	AWWA C-515 Standard added to Resilient Seat Gate Valve material
8/22/13	V	Removed: Submersible Pump Station and Television Inspection of Sewer Lines
5/1/14	II A & IV	Fees related to Main Extension Projects / Water Main Installation Documents
2/26/15	III	Replaced 'Sigma Super Lug' with 'Sigma ONE-LOK' as an Approved Manufacturer
2/1/16	IV	Main Extension Agreement and Three Party Agreement combined into a single Main Extension Agreement
3/1/17	III	Clow Pipe, McWain Pipe, and Atlantic States Pipe removed from list of Approved Manufacturers of Ductile Iron Pipe.
12/19/17	II	Disinfection Requirements
4/27/20	I, II, and III	Minor clarifications
4/27/20	I D. 5e	Minimum horizontal separation between water and sewer: 10'
4/27/20	I D. 5h	Minimum horizontal separation between water and street trees: 10'
4/27/20	II 4.10	Valve box 6" minimum overlap between top and bottom sections
4/27/20	II 5(var)	Added clay check dam requirements for steep slope trenches

