

Watermains Standard Drawings

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Standard Number	Description	Revision Number	Revision Date
S-200.010	Sanitary, Storm and Water (Main and Service) Pipe Bedding and Concrete Encasement Details	13	2022-03
S-200.020	Trench Restoration Detail	6	2019-04
S-200.030	Supports for Watermain, Sewers, Piping and Conduits Crossing Trenches	6	2013-04
S-200.040	Concrete Trench Plugs for PVC and Rigid Pipe (Watermains and Sewers)	6	2013-04
S-200.050	Joint Restraining Length (In Combination with Granular Thrust Block)	7	2018-05
S-200.060	Thrust Block for Hydrant Runouts, Tees and Dead Ends	12	2018-05
S-200.070	Deflection of Watermain Over and Under Sewer	4	2017-04
S-200.080	Pipe Casing	8	2013-04
S-200.090	Watermain Trench Detail Under Water Course	5	2013-04
S-201.010	Replacing Buried AC or Grey Iron Watermain	6	2013-04
S-201.020	Water and Sewer Mains Location Sign	6	2013-04
S-201.030	Cathodic Protection/Bonding/Cable/Tracer Wire for PVC and CPP Watermain Systems	7	2013-04
S-201.031	Cathodic Protection/Bonding Cable for Existing Ferrous Watermain Systems	6	2013-04
S-210.010	Hydrant Set with Mechanically Restrained Joints	19	2025-04
S-210.020	Hydrant Barrier	8	2013-04
S-210.030	Hydrant Access Across Ditch	6	2014-04
S-210.040	Typical Test Point By-Pass Layout Less than 400 mm	9	2021-04
S-210.041	Temporary Valve By-Pass Arrangement	1	2015-04
S-210.050	Test Point and Flushing Configuration for Large Diameter Feedermain	2	2022-02
S-210.060	50 mm Blowoff	5	2022-02

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S-210.070	Water Sampling Station	2	2013-04
S-210.080	Automatic Flushing Device	1	2013-04
S-220.010	100 mm to 400 mm Gate Valve, Valve Box and Tracer Wire Arrangement for PVC or CPP Watermain	21	2025-04
S-220.020	Butterfly Valve and Valve Box (600 mm and greater)	12	2025-04
S-220.031	600 mm Butterfly Valve and Precast Chamber	14	2025-04
S-220.040	Valve Stem Extension and Bracket	3	2014-04
S-220.050	Air Valve & Access Chamber (for Watermains up to 750 mm)	14	2022-02
S-220.051	Air Valve & Access Chamber (for Watermains 900 mm to 1500 mm)	2	2022-02
S-220.060	Drain Valve in Chamber 100 mm, 150 mm and 200 mm	9	2025-04
S-230.010	Service Connection Location Single Family Residential Lots (New Connections)	8	2015-04
S-230.011	Piping & Fittings for Commercial, Industrial & Multi-Residential Connections (Domestic & Fireline)	8	2022-02
S-230.020	19 mm and 25 mm Copper Water Service	19	2014-04
S-230.021	37 mm and 50 mm Copper Water Service	2	2014-04
S-230.030	Water Service Box Cap	1	2013-04
S-230.031	600 mm Butterfly Valve and Precast Concrete Chamber	14	2023-04
S-230.032	50 mm Water Service Box		
S-240.010	Meter, Valve, Pro Read ARB Receptacle and Wire Installation	7	2019-04
S-240.020	Water Meter Room Layout	10	2017-04
S-240.030	Incoming Water Service and Meter Schematic (Fireline Off Signal Feed) Sprinkler System	3	2013-04
S-240.040	Backflow Prevention Room or Building Layout Private Hydrant and Sprinkler System	3	2013-04

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S-240.041	Combined Meter Room, Backflow Prevention Device Room Layout – Private Hydrant and Sprinkler System	2	2017-04
S-240.050	Backflow Prevention Room or Building Layout Sprinkler System	2	2013-04
S-240.051	Combined Meter Room, Backflow Prevention Device Room Layout – Sprinkler System	1	2013-04
S-240.060	Seasonal Use Water Meter Cabinet	1	2013-04
S-240.061	Water Meter Pit Setter (19 mm to 25 mm Meter)	4	2014-04