

# Water Standard Drawings

## Table of Contents

### March 2026

**Latest Revision**

W-1	Standard Symbols, Abbreviations & Legends .....	MARCH 2020
W-2	Typical Installation for Water Main Appurtenances.....	MARCH 2026
W-3	1-Inch Water Service.....	MARCH 2026
W-3A	3/4-Inch Domestic Water Service W/ 1-Inch Fire Service .....	MARCH 2026
W-4	1 ½-Inch & 2-Inch Water Service.....	MARCH 2026
W-5	3-Inch Water Service.....	MARCH 2026
W-6	1 ½-Inch, 2-Inch & 3-Inch Water Service Manifold .....	MARCH 2026
W-6A	4-Inch & 6-Inch Water Service Manifold.....	MARCH 2026
W-7	1 ½-Inch or 2-Inch Fire Service.....	MARCH 2026
W-8	4-Inch and Larger Fire Service (sht 1 & 2).....	MARCH 2026
W-9	2-Inch Blow off .....	MARCH 2026
W-10	End of Line 1-Inch Air & Vacuum W/ 2-Inch Blow Off Combination .....	MARCH 2026
W-10A	1-Inch Air & Vacuum W/ 2-Inch Blow Off Combination .....	MARCH 2026
W-11	4-Inch Blow off.....	MARCH 2026
W-12	6-Inch Fire Hydrant .....	MARCH 2026
W-12A	6-Inch Fire Hydrant Jumper .....	MARCH 2026
W-13	1-Inch Air & Vacuum Release.....	MARCH 2026
W-14	2-Inch Air & Vacuum Release.....	MARCH 2026
W-15	3-Inch & 4-Inch Combination Air Valve or Air & Vacuum Valve .....	MARCH 2026
W-16	Above Ground Enclosure .....	MARCH 2020
W-17	Standard Pipe Zone and Trench Backfill .....	MAY 2019
W-18	Typical Connection Details to Steel and AC Pipe .....	MAY 2019
W-19	Butt Strap Closure .....	MAY 2019
W-20	Concrete Thrust Blocks .....	MAY 2019
W-21	Concrete Valve Supports for In Line Valves.....	MAY 2019
W-22	Not Used	
W-23	Valve Stem Extension Gate Valves 3-Inch or Smaller .....	MAY 2019
W-24	Valve Stem Extension Gate Valves 4-Inch and Larger .....	MAY 2019
W-25	Valve Well Cap and Can Installation .....	MARCH 2020

# Water Standard Drawings

## Table of Contents

### March 2026

W-26	Anchor Block Details for In Line Reducers (16" Pipe Max.) .....	MAY 2019
W-27	Vertical Anchor Block .....	MAY 2019
W-28	Slope Protection for Grades of 30% or Larger .....	MAY 2019
W-29	Standard Cutoff Wall .....	MAY 2019
W-30	Concrete Encasement Detail for U.G. Electrical, Telephone, and Sewer Tight Lines .....	MAY 2019
W-31	Guard & Marker Post Installation .....	MAY 2019
W-32	Utility Marker Post Installation.....	MAY 2019
W-33	Appurtenance Retaining Wall.....	MAY 2019
W-34	Adjustable Pipe Support Detail .....	MAY 2019
W-35	Water Quality Sampling Station.....	MAY 2019
W-36	Project Information Sign.....	MAY 2019
W-37	Typical Pipe Gate.....	MAY 2019
W-38	Chain Link Fence Details .....	MAY 2019
W-39	2-Wire Test Station (Paved) .....	MAY 2019
W-40	2-Wire Test Station (Unpaved).....	MAY 2019
W-41	2 or 4 Wire Test Station .....	MAY 2019
W-42	At Grade Test Box .....	MAY 2019
W-43	Buried Insulating Flange.....	MAY 2019
W-44	Buried Insulating Flange At Grade Test Station.....	MAY 2019
W-45	4-Wire Casing Test Station.....	MAY 2019
W-46	Above Grade Insulating Flange.....	MAY 2019
W-47	Mechanical Joint Bond.....	MAY 2019
W-48	CML&C Steel Pipe Joint Bond (Wire Jumper).....	MAY 2019
W-49	DIP Joint Bonding and Test Lead Connections.....	MAY 2019
W-50	Single Anode Installation.....	MAY 2019
W-51	Single Anode Test Station Wiring .....	MAY 2019
W-52	Prepackaged Magnesium Anode.....	MAY 2019
W-53	Alumino-Thermic Weld.....	MAY 2019
W-54	1-Inch Hose Bib W/ Hose Rack.....	MARCH 2026