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NOTES

1. PORTLAND WATER DISTRICT (PWD) PERSONNEL WILL INSTALL THE WATER METER. ONLY PWD PERSONNEL SHALL OPERATE SERVICE VALVES.
2. PWD WILL SUPPLY THE WATER METER AND METER SPOOL PIECE. CUSTOMER TO OBTAIN METER SPOOL PIECE FROM PWD AND INSTALL PRIOR TO METER SET. ALL OTHER MATERIALS TO BE SUPPLIED BY THE CUSTOMER.
3. THE METER SHALL BE INSTALLED IMMEDIATELY AFTER THE SERVICE PIPE ENTERS THE BUILDING, AT A LOCATION NO MORE THAN 10 FEET FROM THE EXTERIOR FACE OF THE BUILDING.
4. THE METER SHALL NOT BE PERMANENTLY ENCLOSED WITHOUT SUFFICIENT ACCESS FOR FUTURE SERVICE. THERE SHALL BE A MINIMUM OF 36" OF WORKING SPACE TO ENABLE SERVICING OF THE METER.
5. AWWA C700 STANDARD POSITIVE DISPLACEMENT METERS BY PWD APPROVAL ONLY.
6. BACKFLOW PREVENTION IS REQUIRED BY PWD. TYPE OF SERVICE AND DEGREE OF CROSS-CONNECTION HAZARD WILL DETERMINE DEVICE TYPE. DEVICE SHALL BE INSTALLED DOWNSTREAM OF METER AND METER VALVES PRIOR TO METER SET.
7. THERMAL EXPANSION SHOULD BE ADDRESSED BY CUSTOMER'S PLUMBER. CHECK LOCAL PLUMBING CODES FOR REQUIREMENTS.
8. AT THE METER SET LOCATION, THE CUSTOMER SHALL INSTALL METER VALVES, ENSURING A MINIMUM CLEARANCE OF SIX (6) INCHES BETWEEN THE SERVICE PIPE AND THE FLOOR. METER VALVES SHALL BE INSTALLED USING EITHER SOLDERED CONNECTIONS OR PROPRESS FITTINGS.

COPPER PACK JOINT TO MALE FITTING
(CPPJ X MIP) WITH BRASS REDUCER
RECOMMENDED IF REDUCING PIPE DIAM.

FLANGED FITTINGS AS REQUIRED
(BOLTS POSITIONED HORIZONTALLY)

METER SPOOL PIECE SUPPLIED BY
PWD AND INSTALLED BY CUSTOMER
(SEE TABLE A)

METER VALVES (TYP.)
SEE NOTE 8

BACKFLOW
PREVENTER

SERVICE PIPE

6" MIN.
CLEARANCE

COPPER PIPE
BETWEEN METER VALVES

24" TYP. BETWEEN
METER VALVES

6" MIN.
CLEARANCE

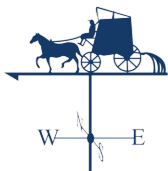
MIN. DISTANCE 10 PIPE
DIAMETERS BETWEEN
METER VALVE AND
BACKFLOW PREVENTER

FLOOR

PIPE ANCHORS REQUIRED (TYP.)

TABLE A: METER SPOOL LENGTHS

METER SIZE	LENGTH (IN.)
1 1/2"	13"
2"	17"



Portland Water District

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REVISIONS

DATE	BY	PRJ # / DESCRIPTION
07/30/2025	RAB	NOTES 3 & 8 UPDATE

FILE: WS02REV1.DWG

**HORIZONTAL METER INSTALLATION
(1" TO 2")**

STANDARD METER SET DETAILS

DRAWN BY: RAA

CHECKED BY: RAB

APPROVED BY: GJP

PROJECT #: N/A

DATE: 08/13/2025

SCALE: NTS

SHEET: 1 OF 1