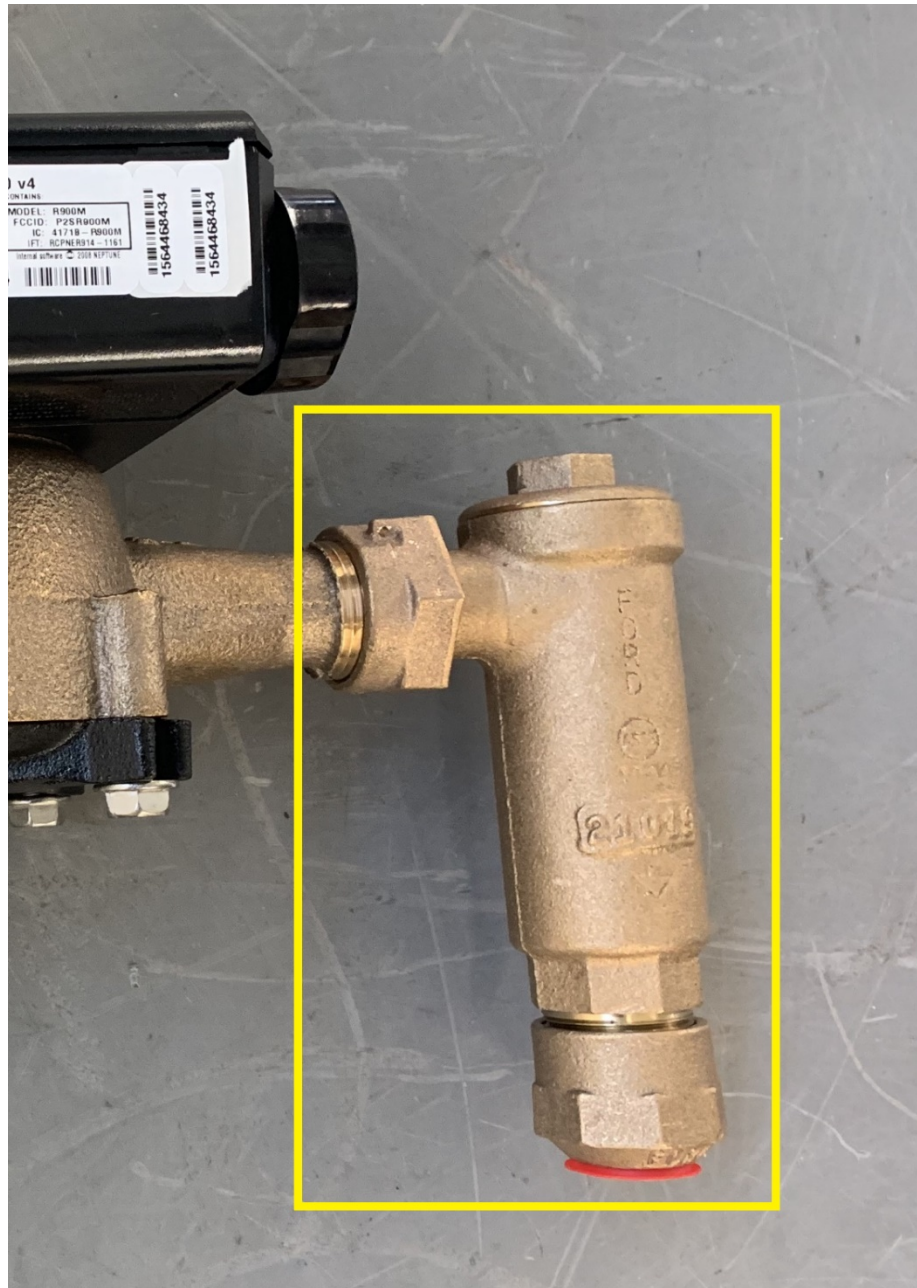


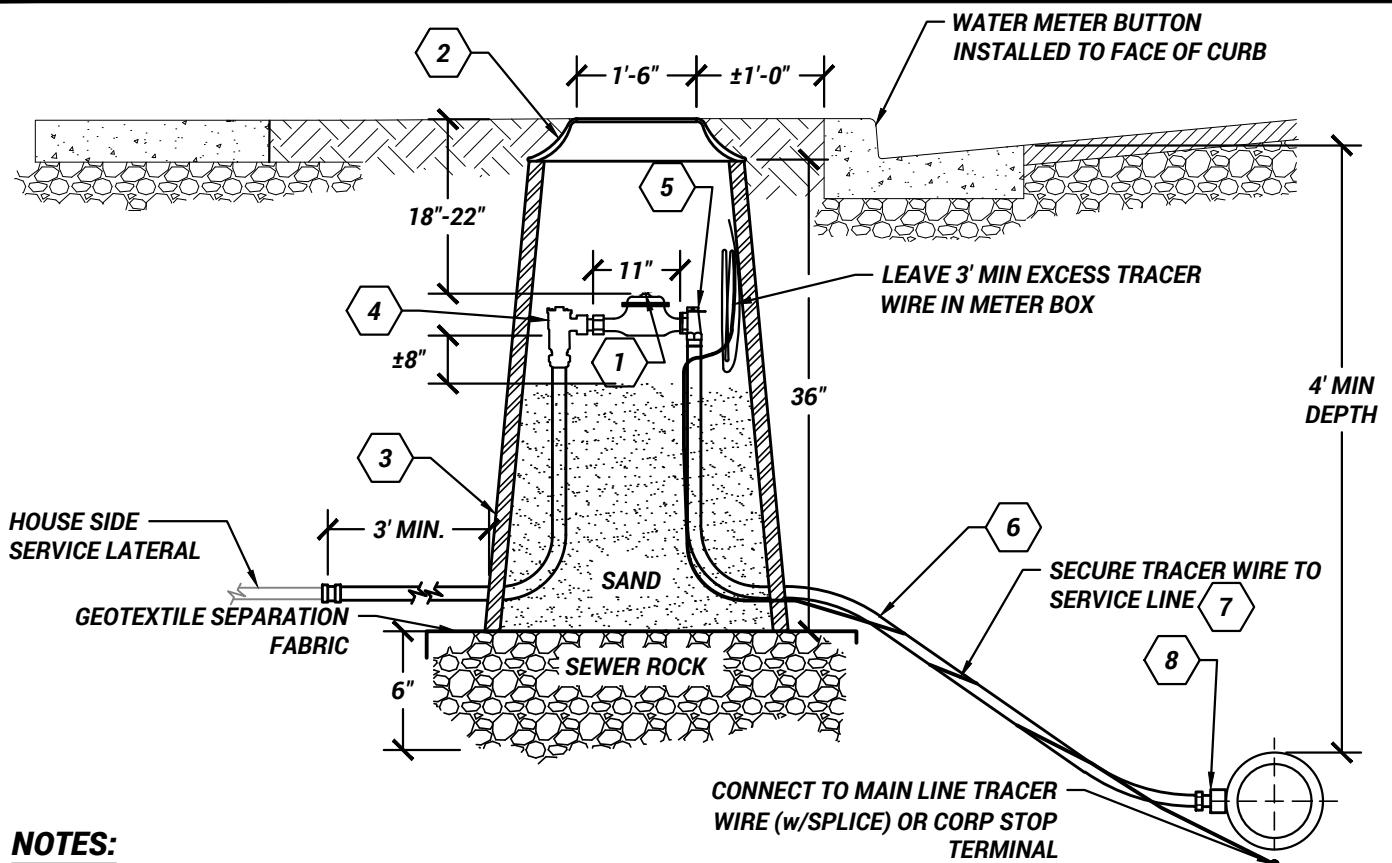
Dual-Check Valve at Meter

When replacing the water lateral from the meter to the house, current ordinance requires that a dual check valve (backflow preventer) be installed on the house side of the meter:

- A dual check valve device (consisting of two independently operating spring-loaded components) meeting or exceeding ASSE Standard 1024 contained within the meter box on house side of meter is required on all service connections 2 inches and smaller.

The job will not pass inspection without the dual check valve correctly installed.





NOTES:

1. CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS AS SHOWN ON THE DETAIL, UNLESS DIRECTED OTHERWISE BY OGDEN CITY WATER.
2. METERS TO BE INSTALLED IN THE PARK STRIP, 1' BEHIND THE BACK OF CURB, OR 1' BEHIND THE SIDEWALK WHERE THE SIDEWALK IS ADJACENT TO THE CURB. DO NOT PLACE METER BOXES IN OR UNDER DRIVEWAY APPROACHES, SIDEWALKS, OR CURB AND GUTTER. IN THE CASE OF NO CURB AND GUTTER, PLACE METER WITHIN 7' OF THE PROPERTY LINE (STREET SIDE).
3. FILL METER BOX WITH SAND IN 8" THICK LIFTS UP TO APPROXIMATELY 8" FROM BOTTOM OF METER. TAMP SAND TO STABILIZE METER. SEPARATE SAND FROM SEWER ROCK WITH A GEOTEXTILE SEPARATION FABRIC
4. PROVIDE AND PLACE IMPORT BACKFILL PER APWA SECTION 33 05 20 SURROUNDING THE METER ASSEMBLY. COMPACT PER APWA SECTION 31 23 26 TO A DENSITY OF 95 PERCENT OR GREATER, MODIFIED PROCTOR DENSITY. MAXIMUM LIFT THICKNESS IS 8" WHEN USING RIDING COMPACTION AND 6" WHEN USING HAND HELD COMPACTION EQUIPMENT.
5. ALL TRACER WIRE SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF A REPRESENTATIVE FROM OGDEN CITY WATER PRIOR TO ASPHALT PLACEMENT. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO ASPHALT PLACEMENT.
6. ALL TRACER WIRE WILL BE RE-TESTED AT THE 1-YEAR WARRANTY INSPECTION. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
7. DO NOT CONNECT THE HOUSE SIDE LATERAL DIRECTLY BENEATH THE SIDEWALK.

ITEM	QTY	DESCRIPTION
1	1	1" OR SMALLER WATER METER (CITY PROVIDED WITH METER/TAPPING FEE)
2	1	18" FRAME AND COVER WITH RECESSED HOLE FOR ANTENNA READ WITH LARGE BOLT "LB" OPTION
3	1	RAVEN METER BOX OR APPROVED EQUAL
4	1	1" ASSE 1024 DUAL CHECK VALVE (BACKFLOW PREVENTER, TOP ENTRY ONLY)
5	1	1" BALL ANGLE VALVE - FORD BA43-444W-Q-NL, MUELLER - B-24258N
6	VARIES	1" AWWA C901 CTS POLY TUBING
7	VARIES	TRACER WIRE
8	1	CORP STOP WITH TEE-HEAD CAP ADAPTOR (TAP HORIZONTALLY)

OGDEN CITY ENGINEERING - STANDARD DRAWINGS

TYPICAL SERVICE INSTALLATION FOR WATER METERS 1" OR SMALLER

TAYLOR NIELSEN, CITY ENGINEER

W-3

SHEET 1 OF 1 2025

