



1	FLANGED TEE (OR CROSS), POLYWRAP.
2	THRUST BLOCK IF APPLICABLE SEE STANDARD DETAIL #519.
3	FLANGED BUTTERFLY VALVE (TYPICAL).
4	MECHANICAL JOINT (OR RESTRAINING GLAND AS REQUIRED). POLYWRAP.
5	FLANGED IN-LINE BUTTERFLY VALVE. MECHANICAL JOINT CONNECTIONS (OR RESTRAINING GLAND AS REQUIRED). POLYWRAP.
6	PROPOSED WATER MAIN.
7	WATER MAIN TRACER WIRE SHALL BE #10-AWG SOLID COPPER WIRE WITH U.S.G. INSULATION, COLOR BLUE. SPLICES SHALL BE "KURNEY" (SPLIT BOLT) OR "KUP-L-TAP". INSULATION TAPE SHALL BE 3M ELECTRICAL TAPE WITH TWO COATS OF "SCOTCHKOTE FD" OR APPRVD EQUAL AND BE TAPED TO WATER SERVICE AT MIN 10 FOOT INTERVALS WITH 10 MIL TAPE.
8	TRACER WIRES SHALL BE INTERCONNECTED AT PIPE TEES AND CROSSES. SPLICES SHALL BE "KURNEY" (SPLIT BOLT) OR "KUPLETAP". INSULATION TAPE SHALL BE 3M ELECTRICAL TAPE WITH TWO COATS OF "SCOTCHKOTE FD" OR APPROVED EQUAL AND BE TAPED TO WATER SERVICE AT MIN 10 FOOT INTERVALS WITH 10 MIL TAPE.

9	PROVIDE EXTENSION IF OPERATING NUT EXCEEDS MAXIMUM OF FOUR (4) FEET FROM FINISH GRADE. EXTENSION SHALL INCLUDE A STEADYING PLATE. UNLESS OTHERWISE DIRECTED BY THE CITY.
10	CHRISTY G05T TRAFFIC VALVE BOX AND LID OR APPROVED EQUAL. LID SHALL READ "WATER".
11	PROVIDE NOTCH IN RISER FOR TRACER WIRE.
12	EIGHT (8) INCH DIAMETER PVC RISER. C-900 OR SDR 35. RISER CASING SHALL BE PLUMB AND OVERLAP VALVE BOX DEPTH BY THREE (3) INCHES.
13	MIN 4,000 PSI CONCRETE COLLAR WITH LAMP BLACK PIGMENT ADDED TO MATCH COLOR OF AC PAVEMENT. COLLAR SHALL MATCH ROADWAY SURFACE LEVEL.
14	6 INCHES OF ¾ INCH CRUSHED ROCK BEDDING OR AS SHOWN ON THE APPROVED IMPROVEMENT PLANS.

NOTES:

- A. ALL NUTS, BOLTS, AND WASHERS ON FITTINGS SHALL BE STAINLESS STEEL TYPE 304.
- B. CONCRETE SHALL BE MIN 4,000 PSI.
- C. TEE, CROSS AND BUTTERFLY VALVES ARE TO BE PLACED ON A 6" MIN. DEPTH ¾" CRUSHED ROCK BEDDING.



APPROVED: Aug. X, 2025

STANDARD
DETAIL #
514

TITLE:
**TYPICAL VALVE
AND WATER MAIN
INSTALLATION
16" OR GREATER**

