



①	1 INCH SCHEDULE 80 PVC, OR AS APPROVED BY THE CITY ENGINEER.
②	BALL ANGLE METER STOP WITH LOCK EARS.
③	IRON PIPE SIZE POLYETHYLENE SERVICE TUBING. (1 INCH)
④	BALL CORPORATION STOP.
⑤	SERVICE SADDLE.
⑥	WATER MAIN.
⑦	TRACER WIRE, #10 AWG SOLID COPPER WIRE WITH U.S.E. RATED INSULATION, COLOR BLUE.
⑧	4" THICK, MIN 4,00 PSI CONCRETE PAD TO MATCH EXIST SIDEWALK PER STD DET #202

⑨	CONNECT SERVICE TRACER WIRE TO WATER MAIN TRACER WIRE. SPLICES SHALL BE "KURNEY" (SPLIT BOLT) OR "KUP-L-TAP". INSTALLATION TAPE SHALL BE 3M ELECTRICAL TAPE WITH TWO COATS OF "SKOTCHKOTE FD" ELECTRICAL OR APPROVED EQUAL. INSTALLATION TAPE SHALL BE 3M ELECTRICAL TAPE. TRACER WIRE SHALL BE TAPED TO WATER SERVICE AT MIN 10 FOOT INTERVALS WITH 10 MIL TAPE.
⑩	SAMPLING STATION METER BOX SHALL BE IN ACCORDANCE WITH THE SPECIFIED METER BOX IN CITY STANDARD DETAIL #501.
⑪	½" CRUSHED ROCK, 12" DEEP.
⑫	STRAIGHT METER COUPLING WITH MALE I.P.T.

**NOTES:**

- A. METER BOX SHALL BE PLACED 6" BEHIND BACK OF WALK OR CURB, AS APPROPRIATE, SAMPLING STATION SHALL BE PLACED ADJACENT TO METER BOX AS DETAILED ABOVE, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- B. CURB, GUTTER, AND SIDEWALK WITH A 2" x 2" LETTER "W" STAMPED, CHISELED INTO TOP OF CURB DIRECTLY ABOVE LOCATION WHERE WATER SERVICE CROSSES FLOW LINE OF CONCRETE GUTTER



APPROVED: Aug. X, 2025

STANDARD  
DETAIL #  
**522**

TITLE:  
**WATER MAIN  
SAMPLING STATION &  
METER BOX ASSEMBLY**

