

## NO. DESCRIPTION:

- 1. 3/4" PIPE TO BE LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF NOTCH. ANCHOR BOLTS TO BE LOCATED APPROPRIATELY.
- 2. PRECAST CONCRETE PAD (4' LONG X 3' WIDE X 4" THICK).
- #4 REBAR, GRADE 60 (TYP.).
- SAMPLE STATION SHALL BE TRUE TO PLUMB USING LEVELING BOLTS/NUTS.
- SAMPLING BIBB.
- 6. PETCOCK.
- STAINLESS STEEL 1/2" CLIPPED WASHER, STAINLESS STEEL 1/2" NUT, 2 EACH REQUIRED/BOLT.
- STAINLESS STEEL ANCHOR BOLT (1/2" DIAMETER X 4" L).
- TRACER WIRE.
- 10. SOLID STANDARD CONCRETE, BRICK-DIAGONAL AT CORNERS - 4 EACH (SEE IRRIGATION SERVICE DETAIL).
- 11. CLTW PLASTIC METER BOX AND LID PER STANDARD
- 12. SEE SHEET 2 OF 2 FOR SAMPLING STATION PLUMBING.
- 13. 3/4" TYPE K COPPER.
- 14. SELF SEALING P.E. FOAM PIPE INSULATION FLANGE TO 90° BEND.
- 15. 3/4" S.S. DROP PIPE.
- 16. 1/4" S.S. TUBING.
- 17. CONCRETE.
- 18. 8" #57 WASHED STONE
- 19. 3/4" S.S. STANDPIPE (MIPT)
- 20. 3/4" S.S. STANDPIPE (FIPT).
- 21. 3/4" SCH 80 PVC 90° BEND (FIP X FIP).
- 22. 3/4" X 2" SCH 80 PVC NIPPLE (MIP X MIP)
- 23. 3/4" BRASS STRAIGHT CONNECTOR (FIP X CTS COMPRESSION) MUELLER #H-15438N OR APPROVED

## NOTES:

- A. IN CORROSIVE SOILS, THE BURIED PIPE SHOULD BE PREPARED FOR ADDITIONAL RESISTANCE TO CORROSION, SPRAY ALL UNDERGROUND PIPING AND FITTINGS WITH BITUMINOUS SPRAY TAR, ALLOWING PROPER TIME TO DRY, AND THEN WRAPPING THE PARTS.
- B. SAMPLING STATION SHALL BE 1.5' BURY, INSTALLED ON CONCRETE PAD WITH A 3/4" FIPT INLET, AND 7/16" UNTHREADED BLOW OFF AND 1/4" SAMPLING BIBB.
- C. STATION SHALL BE ENCLOSED IN A LOCKABLE, NON-REMOVABLE ALUMINUM BOX WITH HINGED OPENINGS.
- WHEN OPEN, THE STATION SHALL REQUIRE NO KEY FOR OPERATION, AND ALL WATER FLOW SHALL PASS THRU AN ALL STAINLESS STEEL WATERWAY.
- E. ALL WORKING PARTS SHALL BE OF STAINLESS STEEL AND SERVICEABLE FROM ABOVE GROUND WITH NO DIGGING OR REPLACEMENT NEEDED.
- F. A STAINLESS STEEL PETCOCK VALVE WILL BE LOCATED BELOW THE SAMPLING BIBB TO ALLOW PUMPING OF ANY WATER REMAINING INSIDE THE STATION TO ENSURE NON-FREEZING.
- G. CONCRETE PAD SHALL DRAIN AWAY FROM SAMPLE STATION AND SHALL BE FLUSH WITH FINISHED GRADE #57 STONE BASE TO A DEPTH OF 8" UNDER PAD.
- H. THE STATION SHALL BE MODEL #88-SS WITH 2' STEEL PEDESTAL AND EPOXY COATING WITHIN BOX FOR CORROSION PROTECTION AS MANUFACTURED BY THE KUPFERLE FOUNDRY, OR APPROVED EQUAL.
- ANCHOR BOLTS 304 STAINLESS STEEL, WITH NUTS AND CLIPPED WASHERS - 316 STAINLESS STEEL
- AWG #12 GAUGE SOLID COPPER TRACER WIRE-WITH 30 MILS BLUE HDPE INSULATION - TERMINATE IN METER BOX WITH 24" EXCESS WIRE (COILED), AND TERMINATE AT ANCHOR BOLT.

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CHARLOTTE WLTER

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ACITY OF CHARLOTTE DEPARTME
STANDARD DETAILS
WATER

NO SCALE VERSION

> 1.0 DATE 04/2024

DETAIL 10.12.1