CONCRETE PAD WITH NOTCH

ANCHOR BOLTS (1/2"")

#4 REBAR, GRADE 60 (TYP.)

1" (TYP.)

3/4" PIPE TO BE LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF NOTCH. ANCHOR BOLTS TO BE LOCATED APPROPRIATELY.

PRECAST CONCRETE PAD 4' LONG X 2' WIDE X 4" THICK

6" DIA.

SAMPLE STATION SHALL BE TRUE TO PLUMB USING LEVELING BOLTS/NUTS

STAINLESS STEEL 1/2" WASHER
STAINLESS STEEL 1/2" NUT
2 EACH REQUIRED/BOLT

STAINLESS STEEL ANCHOR BOLT
1/2" DIA X 4" L

#4 REBAR, GRADE 60 (TYP.)

PRECAST CONCRETE PAD 4' LONG X 2' WIDE X 4" THICK

ANCHOR BOLT 1/2" DIA X 4" L

#4 REBAR, GRADE 60 (TYP.)

CONCRETE

PACKING MATERIAL

SELF SEALING P.F. FOAM PIPE INSULATION - FLANGE TO 90° BEND

SAMPLING BIBB
PET COCK

2' ENCLOSURE

SOLID STANDARD CONCRETE BRICK-DIAGONAL AT CORNERS - 4 EACH (SEE IRRIGATION SERVICE DETAIL, STANDARD NO. B)

CHARLOTTE WATER PLASTIC METER BOX AND Lid PER STANDARD DETAIL 00

SEE SHEET 2 FOR SAMPLING STATION PLUMBING

TRACER WIRE

3/4" SCH 40 PVC
90° BEND (MIP X FIP)

3/4" TYPE K COPPER

3/4" TUBING

3/4" MIPT

3/4" FIPT

SELF SEALING P.F. FOAM PIPE INSULATION - FLANGE TO 90° BEND

TRACER WIRE

1/4" DEPTH OF BURY

#67 WASHED STONE

3/4" BRASS STRAIGHT CONNECTOR (MIP X CTS COMPRESSION) MUELLER # H-15428N OR APPROVED EQUAL

NOTES:

1. 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.

2. SAMPLING STATION SHALL BE 1.0 BURY, INSTALLED ON CONCRETE PAD WITH A 3/4" FIPT INLET, AND 7/16" UNTHEADED BLOW OFF AND 1/4" SAMPLING BIBB.

3. STATION SHALL BE ENCLOSED IN A LOCKABLE, NON-REMOVABLE ALUMINUM BOX WITH HINGED OPENINGS.

4. WHEN OPEN, THE STATION SHALL REQUIRE NO KEY FOR OPERATION, AND ALL WATER FLOW SHALL PASS THRU AN ALL STAINLESS STEEL WATERWAY.

5. ALL WORKING PARTS SHALL BE OF STAINLESS STEEL AND SERVICEABLE FROM ABOVE GROUND WITH NO DIGGING OR REPLACEMENT NEEDED.

6. A STAINLESS STEEL PET/COCK VALVE WILL BE LOCATED BELOW THE SAMPLING BIBB TO ALLOW PUMPING OF ANY WATER REMAINING INSIDE THE STATION TO ENSURE NON-FREEZING.

7. CONCRETE PAD SHALL DRAIN AWAY FROM SAMPLE STATION AND SHALL BE Flush WITH FINISHED GRADE #67 STONE BASE TO A DEPTH OF 8" UNDER PAD.

8. THE STATION SHALL BE MODEL #85-35 WITH 2 STEEL PEDESTAL AND EPOXY COATING WITHIN BOX FOR CORROSION PROTECTION AS MANUFACTURED BY THE KUPFERLE FOUNDRY, OR APPROVED EQUAL.

9. ANCHOR BOLTS - 304 STAINLESS STEEL WITH NUTS AND WASHERS - 316 STAINLESS STEEL.

10. AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS BLUE HDE INSULATION-TERMINATE IN METER BOX WITH 24" EXCESS WIRE (COILED), AND TERMINATE AT ANCHOR BOLT.

*TAP SHALL ONLY BE CONNECTED DIRECTLY TO A CHARLOTTE WATER PUBLIC MAIN AND MAY NOT BE CONNECTED TO WATER SERVICE PIPING, FIRE HYDRANT FEEDER LEG, AIR RELEASE OR BLOW-OFF PIPING.