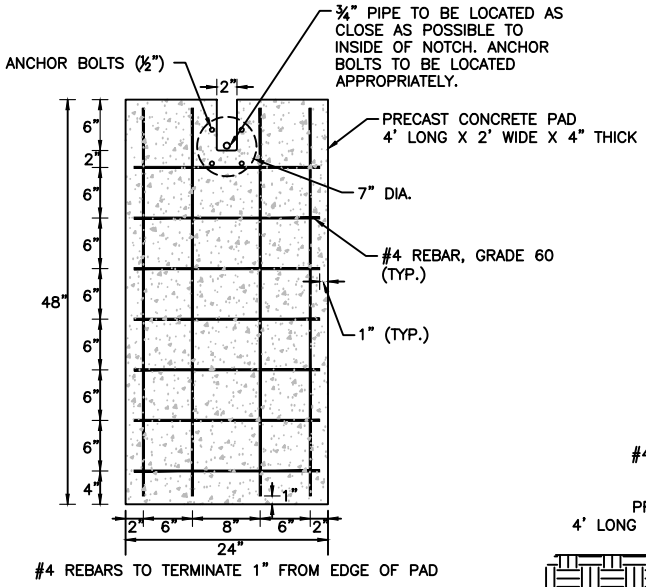
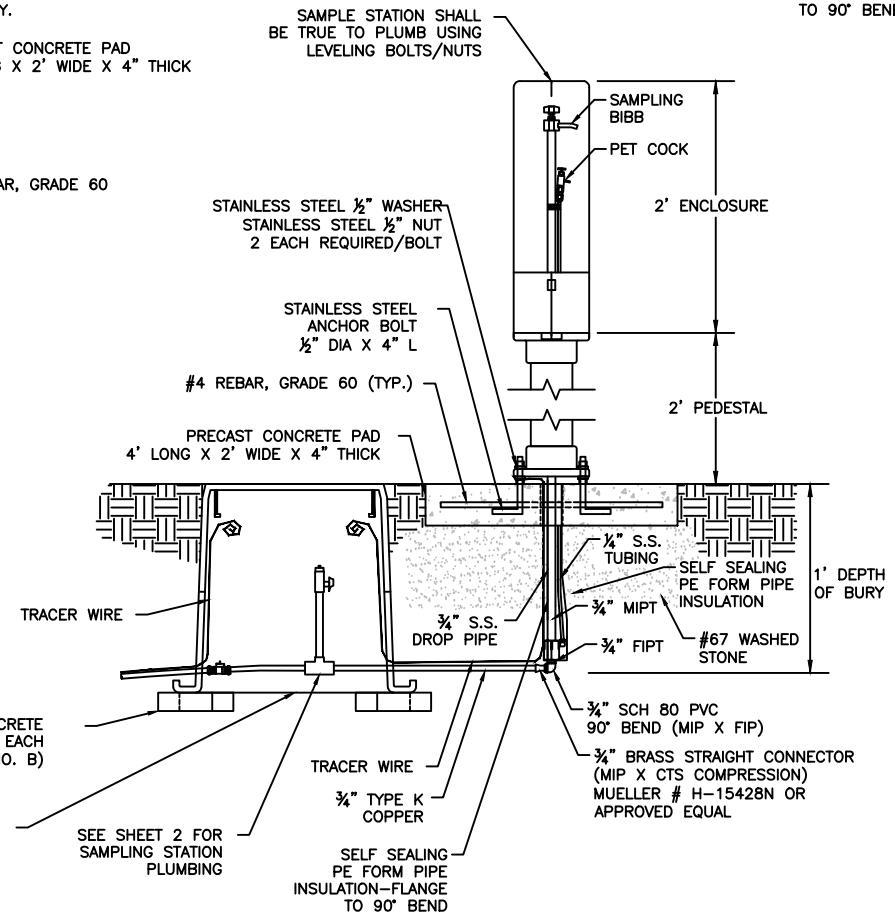
CONCRETE PAD WITH NOTCH
NOT TO SCALE

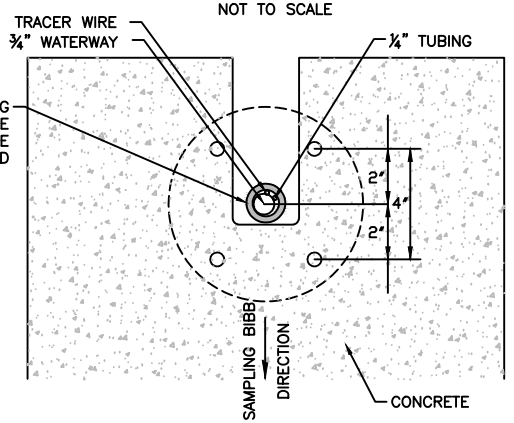


#4 REBARS TO TERMINATE 1" FROM EDGE OF PAD

SECTION VIEW
NOT TO SCALE



PLAN VIEW
NOT TO SCALE



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 ¾" FIPT INLET, AND 7/16" UNTHREADED BLOW OFF AND ¼" 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 PETCOCK 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 #88-SS 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 HDPE INSULATION-TERMINATE IN METER BOX WITH 24" EXCESS WIRE (COILED), AND TERMINATE AT ANCHOR BOLT.
11. IN MAJOR SUBDIVISIONS, ONE WATER QUALITY SAMPLING STATION SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY PER EVERY FORTY (40) HOUSES. ALSO REQUIRED IN MULTI-FAMILY DEVELOPMENTS AT THE DIRECTION OF THE CITY.

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

NOT TO SCALE

KANNAPOLIS Engineering

WATER QUALITY SAMPLING STATION
(1 OF 2)

SEPTEMBER 2022

345A