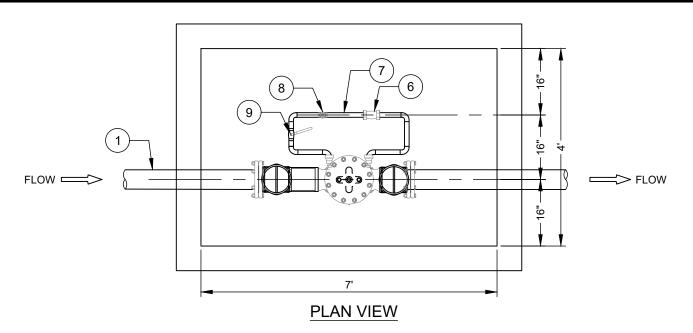
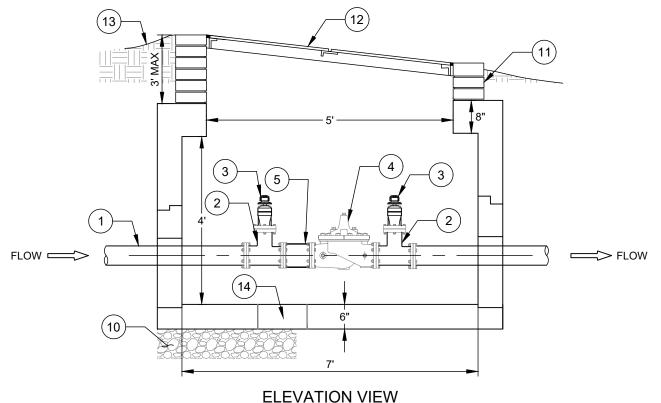
NO SCALE VERSION 1.0

DATE

04/2024

DETAIL 10.8.4





- 4" WATER MAIN.
- 4" X 4" TEE (TYP.).
- 4" GATE VALVE (TYP.).

DESCRIPTION:

- 4" PRV.
- 4" DISMANTLING JOINT.
- 1" GATE VALVE (TYP.).
- 1" BRASS PIPE.
- 8. 1" PRV.
- 1" BALL VALVE.
- #57 WASHED STONE.
- MINIMUM OF 3 STANDARD BRICK COURSES LOCATED UNDER FRAME. OR UNDER FLAT SLAB TOP.
- 12. 5' X 4' DOUBLE LEAF STEEL COVER, HINGED & LOCKABLE, SEE STD, DETAIL.
- FINISHED GRADE TO DRAIN AWAY FROM COVER.
- 12" DIAMETER SUMP.

NOTES:

- ALL PIPING SHALL BE MINIMUM CLASS 53 FLANGE DUCTILE IRON WITH FULL FACE GASKETS.
- ALL FLANGE HARDWARE (BOLT/WASHER/NUT) SHALL BE STAINLESS STEEL - TYPE 304 WITH ANTI-SEIZE COMPOUND.
- ALL PIPE SHALL BE RESTRAINED FROM TAP TO PROPERTY LINE VALVE.
- VAULT SHALL BE RATED FOR NCDOT HS-20 LOADING - SUBMIT SHOP DRAWINGS/P.E. SEALED FOR REVIEW.
- ALL CONCRETE SHALL BE MINIMUM 3,600 PSI COMPRESSIVE STRENGTH.
- DESIGN SHALL CONFORM TO ASTM C858 -SPECIFICATIONS FOR "UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURE".
- STEEL REINFORCING DESIGN SHALL CONFORM TO ASTM C857.
- REBARS SHALL BE GRADE 60 PER ASTM A615.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- DIAGONAL REINFORCING SHALL BE ADDED AT ALL OPENINGS.
- PIPE PENETRATIONS SHALL BE SEALED WITH FLEXIBLE CONNECTERS (MANHOLE BOOTS) OR WITH 4" OF BRICK & MORTAR (AND 1/2-INCH THICK CONSTRUCTION EXPANSION MATERIAL AROUND THE PIPE).
- FRAME TO BE FLUSH WITH GROUND OR CONCRETE SIDEWALK, GROUND SHALL SLOPE AWAY FROM
- ALL JOINTS SHALL BE MADE WATERTIGHT USING 2 RINGS OF BUTYL RUBBER JOINT MASTIC.