DESCRIPTION:

HDPE WATER MAIN.

F. STEEL REINFORCING DESIGN SHALL CONFORM TO

REBARS SHALL BE GRADE 60 PER ASTM A615.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

PIPE PENETRATIONS SHALL BE SEALED WITH FLEXIBLE

CONNECTERS (MANHOLE BOOTS) OR WITH 4" OF BRICK

SECTION VIEW

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DIAGONAL REINFORCING SHALL BE ADDED AT ALL

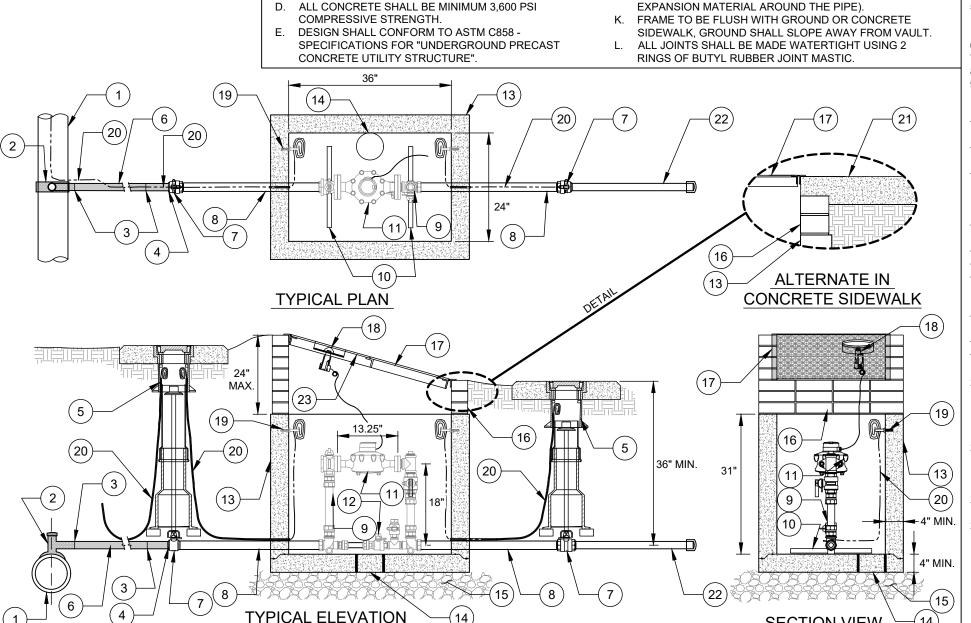
& MORTAR (AND 1/2-INCH THICK CONSTRUCTION

ASTM C857.

OPENINGS

G.

- HDPE SERVICE TAPPING SADDLE WITH T-HEAD OPERATING NUT, AND CAP AND CUTTER.
- HDPE BUTT FUSION JOINT.
- BUTT FUSION X THREADED (MNPT) ADAPTER.
- STANDARD VALVE BOX ASSEMBLY (TYP.) -ALL VALVES (OMIT AT CORPORATION STOP ON SHORT SIDE SERVICE).
- 1 1/2" SDR-9 IPS HDPE PIPE.
- 1 1/2" BRASS BALL VALVE (FNPT X FNPT).
- 1 1/2" RED BRASS PIPE NIPPLE (L = 30").
- 1 1/2" BRASS METER SETTER ASSEMBLY -NO SOLDER JOINTS PERMITTED. SEE TECHNICAL SPECIFICATIONS.
- 1" SCH 40 RED BRASS NIPPLE (L = 18") X 2 EACH.
- 11. 1 1/2" WATER METER ASSEMBLY WITH AMR TRANSMITTER (BY CONTRACTOR).
- BY PASS BALL VALVE WITH LOCK WINGS LOCK VALVE IN CLOSED POSITION (SERIAL NUMBERED STUD LOCK - FURNISHED BY CLTW).
- PRECAST CONCRETE SERVICE VAULT (36" X 24" X 31").
- **6" DIAMETER SUMP HOLE**
- 6" COMPACTED #57 WASHED STONE.
- MINIMUM OF (3) STANDARD SOLID CONCRETE BRICK COURSES UNDER ACCESS DOOR FRAME, MAXIMUM 2'.
- 24" X 36" ACCESS DOOR SEE STANDARD DETAIL.
- AMR TRANSMITTER.
- 3/8" DIAMETER GALV. STEEL EYE BOLT (ADHESIVE ANCHOR) - TYPICAL.
- AWG #12 GAUGE SOLID COPPER TRACER WIRE 30 MILS BLUE HDPE INSTALLATION -TERMINATE WITH 24" EXCESS WIRE (COILED) AT EYE BOLT AND VALVE BOX (TYP.)
- CAST IN PLACE CONCRETE SIDEWALK -BRICK WORK SHALL NOT EXTEND TO SURFACE ACCESS DOOR SHALL REST ON SIDEWALK.
- 1 1/2" TYPE K COPPER TUBING TAIL PIECE - L = 24" MIN. - BRASS OR PVC CAP END.
- ATTACH ENGRAVED LABEL, WITH PREMISE NUMBER. TO UNDERSIDE OF DOOR, NEAR THE LIFTING HANDLE.



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A. ALL FLANGE HARDWARE (BOLT/WASHER/NUT) SHALL BE

VAULT SHALL BE RATED FOR NCDOT HS-20 LOADING -

SUBMIT SHOP DRAWINGS / P.E. SEALED FOR REVIEW.

STAINLESS STEEL - TYPE 304 WITH ANTI-SEIZÉ

B. ALL PIPE SHALL BE RESTRAINED FROM TAP TO

NOTES:

COMPOUND.

PROPERTY LINE VALVE.

NO SCALE VERSION 1.0

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DATE 04/2024

DETAIL 15.1.2