SIZE

12"

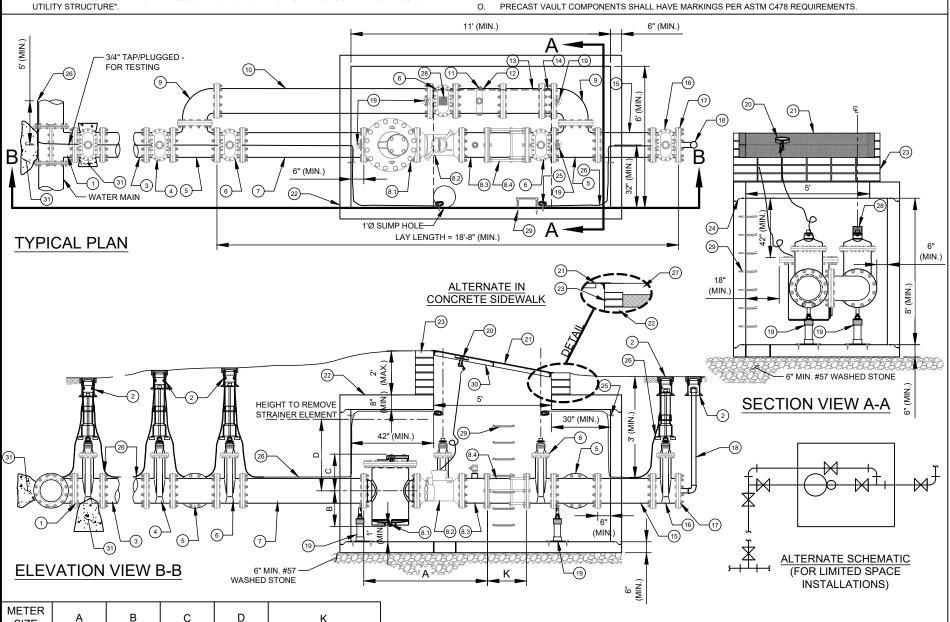
58.55'

19.6"

18.1'

60.8"

- ALL PIPE SHALL BE RESTRAINED JOINT DUCTILE IRON FROM TAP TO PROPERTY LINE VALVE
- METER CONFIGURATION AND LENGTH / WIDTH MAY VARY DUE TO BRAND VERIFY DIMENSIONS TO DETERMINE MINIMUM VAULT SIZE.
- VAULT SHALL BE SIZED AS NEEDED FOR MINIMUM CLEARANCE AS SHOWN AND RATED FOR NCDOT HS-20 LOADING - SUBMIT SHOP DRAWINGS / P.E. SEALED FOR REVIEW.
- ALL CONCRETE SHALL BE MINIMUM 4.000 PSI COMPRESSIVE STRENGTH.
- DESIGN SHALL CONFORM TO ASTM C858 SPECIFICATIONS FOR "UNDERGROUND PRECAST CONCRETE
- STEEL REINFORCING DESIGN SHALL CONFORM TO ASTM C857
- REBAR 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 CONNECTORS (MANHOLE BOOTS) OR WITH 8" OF BRICK & MORTAR (AND 1/2-INCH THICK CONSTRUCTION EXPANSION MATERIAL).
- FRAME TO BE FLUSH WITH GROUND OR CONCRETE SIDEWALK, GROUND SHALL SLOPE AWAY FROM VAULT.
- M. ALL JOINTS SHALL BE MADE WATERTIGHT USING 2 RINGS OF BUTYL RUBBER JOINT MASTIC.
- N. ALL VALVES SHALL BE OPEN RIGHT - CLOCKWISE, EXCEPT NO. 16.
- PRECAST VAULT COMPONENTS SHALL HAVE MARKINGS PER ASTM C478 REQUIREMENTS



SMITH-BLAIR = 10"

ROMAC = 10.5"

NO. DESCRIPTION:

- 12" OUTLET TAPPING SLEEVE AND 12" FL X MJ TAPPING VALVE ON EXISTING MAIN. 12" MJ OUTLET TEE, 12" FOSTER ADAPTOR, AND 10" MJ GATE VALVE ON NEW MAIN.
- STANDARD VALVE BOX ASSEMBLY (TYPICAL) ALL VALVES. 12" DUCTILE IRON PIPE - RESTRAINED.
- 12" MJ X FL DUCTILE IRON ADAPTER ON SHORT SIDE SERVICE (NOT SHOWN), 12" MJ X FL GATE VALVE ON LONG SIDE SERVICE (SHOWN).
- 12" ALL FLANGE DUCTILE IRON TEE.
- 12" ALL FLANGE GATE VALVE.
- 12" ALL FLANGE DUCTILE IRON PIPE SPOOL L = 60" (MIN.) (SPECIAL CLASS 53).
- 12" ULTRASONIC WATER METER ASSEMBLY (FLANGE X FLANGE) 8. BERMAD MODEL FP-60F-D FIRE RATED BASKET STRAINER (FLXFL) II = 26.8"
- 12-INCH MASTER METER OCTAVE OR NEPTUNE MACH10 WITH ITRON W100 TRANSMITTER - LL = 19.75"
- 12" EPOXY COATED/LINED STEEL FL X FL SPOOL WITH 2" FNPT TEST OUTLET - LL = 12" (MARS CO.) AND 2" BALL CORPORATION STOP WITH T-HEAD OPERATING NUT - MNPT X FNPT
- ROMAC D J400 DISMANTLING JOINT LL = 9.5" TO 11.5". SET 8.4. TO 10.5" OR SMITH-BLAIR MODEL 975 DISMANTLING JOINT (RESTRAINED) - LL = 9" TO 11", SET TO 10".
- 12" DUCTILE IRON 90° BEND FLANGE X FLANGE
- 12" DUCTILE IRON PIPE FLANGE X FLANGE SPOOL L = 107" (MIN.) (SPECIAL CLASS 53)
- 12" X 1 1/2" SERVICE SADDLE WITH 1 1/2" BALL CORPORATION STOP WITH T-HEAD OPERATING NUT - CC - TAPER THREAD X
- 12. 12" DUCTILE IRON PIPE - FLANGE X PE - L = 24" (MIN.) (SPECIAL CLASS 53
- 12" MECHÁNICAL JOINT DUCTILE IRON LONG PATTERN SOLID SLEEVE WITH RESTRAINED JOINT.
- 12" DUCTILE IRON PIPE FLANGE X PE L = 12" (MIN.) (SPECIAL CLASS 53)
- 12" DUCTILE IRON PIPE FLANGE X PE L = 30" (MIN.) (SPECIAL CLASS 53).
- 12" MECHANICAL JOINT (RJ) GATE VALVE OPEN LEFT AT PROPERTY LINE.
- 12" MECHANICAL JOINT PLUG WITH 2" TAP (FNPT).
- 2" TEMPORARY BLOW OFF ASSEMBLY (GALV. STEEL (SCH 80) OR RED BRASS (SCH 40) - END WITH THREADED COUPLING).
- GALV. STEEL OR S.S. ADJUSTABLE FLANGE PIPE SUPPORT (NUMBER REQUIRED = 4) (WITH STAINLESS STEEL ADHESIVE ANCHORS)
 - AMR TRANSMITTER.
- 5' X 5' ACCESS DOOR SEE STD. DETAIL.
- PRECAST REINFORCED CONCRETE VAULT 11' X 6' X 8' (MIN.) 22. (L X W X D). SEE NOTES C AND D.
- MINIMUM OF THREE STD. SOLID CONCRETE BRICK COURSES (OR PRECAST RISER) UNDER ACCESS DOOR FRAME - MAX. 2'.
- JOINT REQUIRED AT FLAT TOP SECTION. 25. 3/8" DIA. GALV. STEEL EYE BOLT (EPOXY ADHESIVE ANCHOR) -
- TYPICAL. AWG #12 GAUGE SOLID COPPER TRACER WIRE - WITH BLUE
- INSULATION (30 MILS HDPE) TERMINATE WITH 24" EXCESS WIRE (COILED) AT EYE BOLT AND VALVE BOX (TYP.). CAST IN PLACE CONCRETE SIDEWALK - BRICKWORK SHALL 27.
- NOT EXTEND TO SURFACE. ACCESS DOOR FRAME SHALL REST ON SIDEWALK.
- VALVE LOCK (FURNISHED BY CLTW) LOCK VALVE CLOSED.
- PLASTIC STEP 12" O.C. VERTICAL SPACING. 29.
- ATTACH ENGRAVED LABEL, WITH PREMISE NUMBER, TO UNDERSIDE OF DOOR, NEAR THE LIFTING HANDLE.
- 31. CONCRETE THRUST BLOCKING 3,600 PSI.

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STANDARD DE WATER ME

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NO SCALE VERSION 1.0 DATE 04/2024 **DETAIL**

15.5.6