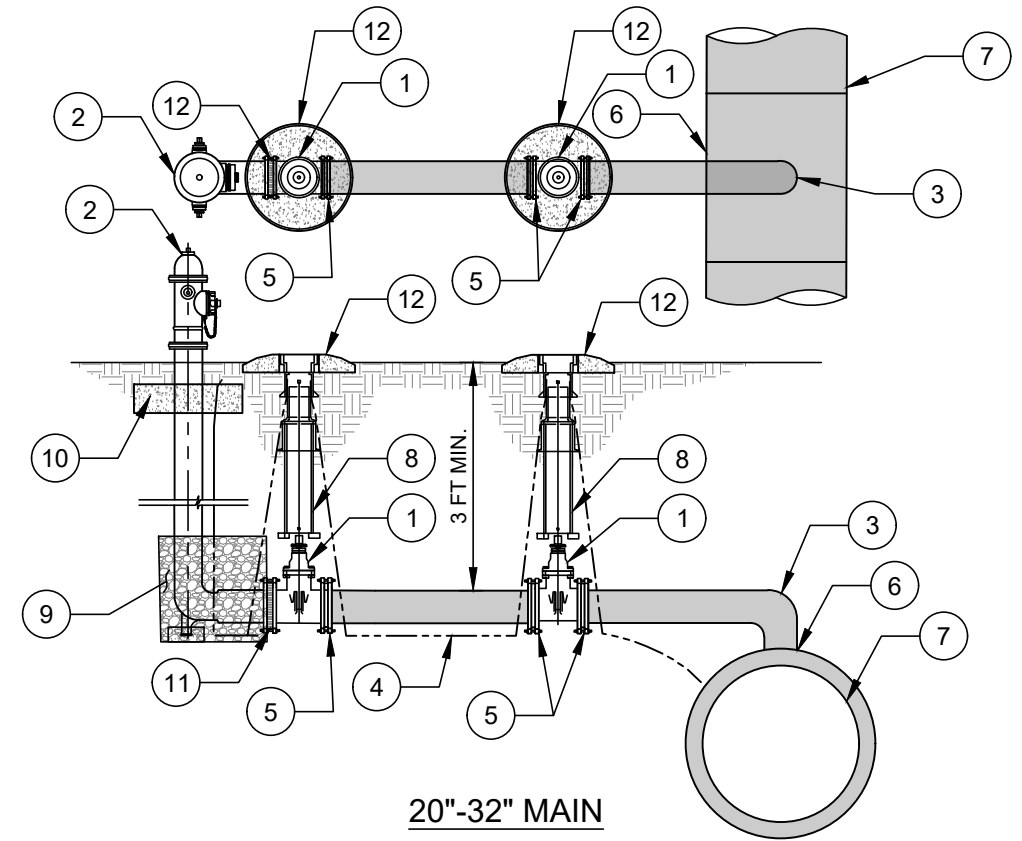


FRONT ELEVATION

6"-16" MAIN

SIDE ELEVATION



20"-32" MAIN

ITEM LIST FOR 2" AIR RELEASE

NO. DESCRIPTION:

1. HDPE WATER MAIN.
2. 2" HDPE TAPPING TEE BY ELECTROFUSION ONLY.
3. HDPE BUTT FUSION JOINT.
4. 2" SDR-9 HDPE TUBING (IPS).
5. 2" HDPE PLAIN END X S.S. MNPT ADAPTOR.
6. 2" GATE VALVE (FNPT X FNPT).
7. 2" RED BRASS NIPPLE - SCH 40 - (MNPT X MNPT), MINIMUM 30" LONG.
8. 2" RED BRASS 90° BEND (FNPT X FNPT).
9. 2" RED BRASS NIPPLE - SCH 40 - (MNPT X MNPT), LENGTH AS REQUIRED.
10. 2" DUCTILE IRON (FUSION BONDED EPOXY COATED), RED BRASS, OR S.S. THREADED COUPLING (FNPT).
11. 2" MNPT PVC PLUG (HAND TIGHT).
12. HDPE EMBEDMENT MATERIAL.
13. TRENCH LIMITS.
14. VALVE BOX ASSEMBLY - SEE STANDARD DETAIL.
15. TRACER WIRE - CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS THICK BLUE HDPE INSULATION.

NOTES:

- A. AIR RELEASE VALVE ASSEMBLIES FOR 20" AND LARGER MAINS SHALL BE 6".
- B. 2" BALL VALVES MAY NOT BE SUBSTITUTED FOR GATE VALVES.

NOTES TO DESIGNER

- A. INSTALL AIR RELEASE VALVES AT ALL HIGH POINTS AS APPROVED BY SEALING ENGINEER.
- B. INSTALL AIR RELEASE VALVES ON THE LOW SIDE OF 16" AND LARGER VALVES AS APPROVED BY SEALING ENGINEER.
- C. VALVE AND B.O. SHALL NOT BE PLACED IN ROAD DITCH.
- D. AIR RELEASE SHALL NOT BE LOCATED IN ROADWAY PAVEMENT.

ITEM LIST FOR 6" AIR RELEASE

NO. DESCRIPTION:

1. 6" GATE VALVE. SEE STANDARD DETAIL.
2. STANDARD FIRE HYDRANT ASSEMBLY PER STANDARD DETAIL (PAINTED BLUE).
3. 6" HDPE PIPE (90° BEND).
4. TRACER WIRE - CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS THICK BLUE HDPE INSULATION.
5. RESTRAINED MJ ADAPTER WITH STAINLESS STEEL STIFFENER AND ACCESSORY KIT. SEE STANDARD DETAIL FOR TRANSITION DETAIL.
6. HDPE BUTT FUSION TEE.
7. HDPE WATER MAIN.
8. VALVE BOX ASSEMBLY. SEE STANDARD DETAIL.
9. #57 WASHED STONE-ENCASEMENT. ENCAPSULATE STONE WITH FILTER FABRIC.
10. CONCRETE HYDRANT COLLAR. CAST IN PLACE. 3' DIAMETER BY 8" THICK.
11. FOSTER ADAPTER.
12. 24-INCH DIAMETER REINFORCED CONCRETE PAD.

NOTES:

- A. ALL PIPE, FITTINGS, ETC. SHALL BE RESTRAINED JOINT. BUTT FUSED AND ELECTROFUSED HDPE IS FULLY RESTRAINED.
- B. SEE CONSTRUCTION PLANS FOR EXACT LOCATIONS OF VALVES AND FIRE HYDRANT.
- C. HYDRANT EXTENSIONS SHALL BE LIMITED TO 1 EACH PER FIRE HYDRANT.
- D. SEE FIRE HYDRANT STD DETAIL FOR INSTALLATION REQUIREMENTS.