



- NO. DESCRIPTION:**
1. GATE VALVE.
 2. HDPE WATER MAIN.
 3. FLEX RESTRAINTS FOR HDPE PIPE. SEE STANDARD DETAIL.
 4. REINFORCED CONCRETE WALL BLOCKING - f_c = MINIMUM 3,600 PSI. SEE APPROPRIATE STANDARD DETAIL.
 5. BUTT FUSED HDPE END CAP.
 6. BUTT FUSED MALE HDPE MJ ADAPTER WITH STAINLESS STEEL STIFFENER AND ACCESSORY KIT OR BUTT FUSION JOINT AS APPROPRIATE TO VALVE.
 7. 2" OR 4" HDPE PIPE.
 8. 2" OR 4" HDPE 90° BEND.
 9. 2" OR 4" HDPE NIPPLE - LOCATE BACK OF CURB OR IN SHOULDER - LENGTH AS REQUIRED.
 10. 2" OR 4" TAPPING TEE OR 4" SADDLE.
 11. VALVE BOX ASSEMBLY - SEE CLTW STANDARD DETAIL.
 12. TRACER WIRE - CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS THICK BLUE HDPE INSULATION.
 13. 1-INCH SCH 40 PVC ELECTRICAL CONDUIT. LENGTH AS REQUIRED.
 14. UNDISTURBED SOIL.
 15. TRENCH LIMITS.
 16. 2" OR 4" GATE VALVE.
 17. CONCRETE BEARING BLOCK.

- NOTES TO DESIGNER**
- A. SEALING ENGINEER TO CONFIRM ADEQUATE SOIL PRESSURE BEARING CAPACITY FOR THRUST BLOCK.
 - B. AUTOMATIC FLUSHING DEVICE AS DIRECTED BY CLTW MAY BE REQUIRED.

OUTLET SIZE TABLE		
MAIN DIAMETER (INCH)	OUTLET NOMINAL DIAMETER (INCH)	CONTROL VALVE
6 to 20	2"	2" GATE VALVE
22 to 32	4"	4" GATE VALVE

- NOTES:**
- A. SEALING ENGINEER MAY MODIFY WALL BLOCK SIZE BASED ON ACTUAL SOIL CLASSIFICATION AND PIPE DIAMETER.
 - B. FOR IN-DITCH FUSION, MINIMUM TRENCH WIDTH TO ACCOMMODATE EQUIPMENT ALLOWED.