



UNDISTURBED EARTH

NOTES:

1. WRAP FITTINGS IN 6 MIL PLASTIC BEFORE POURING CONCRETE. (NO CONCRETE SHALL COVER BOLTS OR GLANDS).
2. ALL BLOCKING SHALL BE PLACED SO THAT THE PIPE END FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIRS.
3. REACTION BLOCKING SHALL BE TO SUFFICIENT SIZE TO PREVENT THE FITTING FROM BLOWING OFF THE MAIN A MAXIMUM TEST PRESSURE.
4. FITTINGS SHALL BE BLOCKED TO SOLID , UNDISTURBED EARTH WITH CONCRETE.

MINIMUM CONCRETE BLOCKING (C.Y.)*

NOM. PIPE DIA. (INCHES)	TEES & DEAD ENDS	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	0.1	0.1	0.1	0.1	0.1
6	0.2	0.2	0.1	0.1	0.1
8	0.2	0.3	0.2	0.1	0.1
10	0.3	0.5	0.3	0.2	0.2
12	0.4	0.6	0.5	0.3	0.3
14	0.7	0.9	0.6	0.5	0.5
16	0.7	0.9	0.6	0.5	0.5
18	0.9	1.2	0.7	0.6	0.6
20	1.1	1.6	1.1	0.7	0.7
24	1.7	2.3	1.6	0.9	0.9

* CONCRETE SHALL BE 3000 PSI