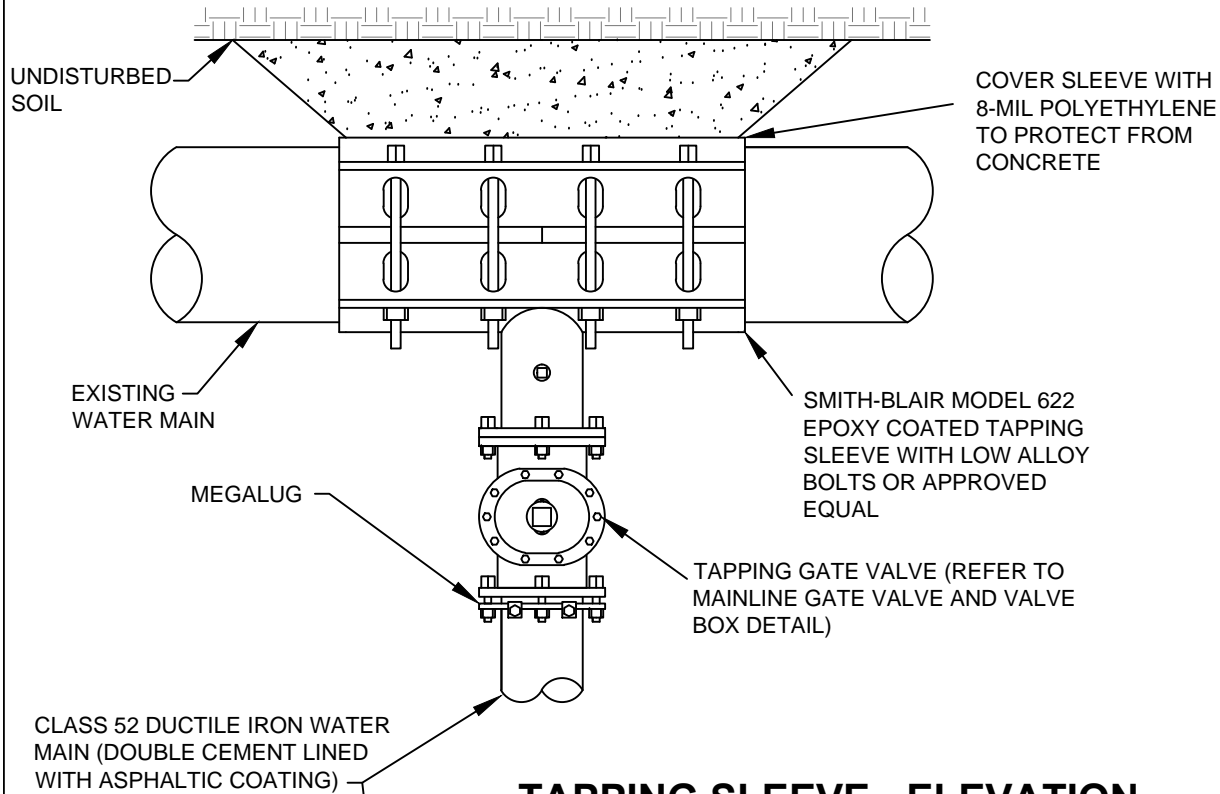
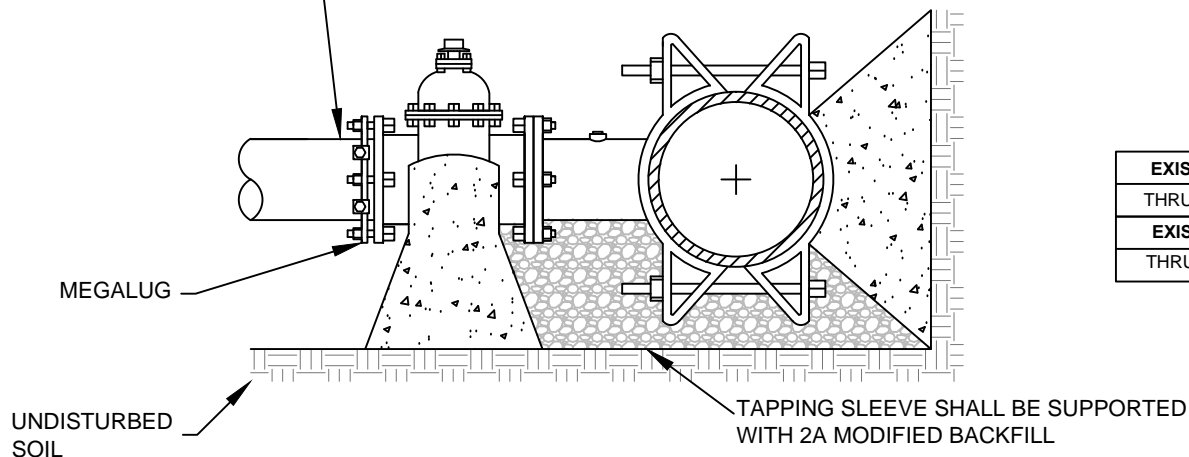


TAPPING SLEEVE - PLAN



TAPPING SLEEVE - ELEVATION



NOTES:

1. TAPPING SLEEVE IS APPROVED FOR USE WHERE WORKING PRESSURES ARE UNDER 150PSI. CONSULT EWW ENGINEERING TO DETERMINE WORKING PRESSURES.
2. USE PENNDOT CLASS A CONCRETE
3. CONCRETE MUST BEAR UPON UNDISTURBED SOIL.
4. ROUGH FORMS SHALL BE USED TO CONTAIN CONCRETE FOR THRUST BLOCKS. MECHANICAL JOINTS ARE NOT TO BE COVERED.
5. ALLOW POURED CONCRETE THRUST BLOCKS TO SET PRIOR TO BACKFILLING.
6. ALL PIPE AND FITTINGS TO BE WRAPPED IN POLYETHYLENE ENCASEMENT.
7. ALL FITTINGS ARE TO BE MECHANICALLY RESTRAINED.
8. ALL BOLTS, NUTS, AND WASHERS EXPOSED TO DIRECT BURY CONDITIONS SHALL BE LOW ALLOY STEEL. AFTER ASSEMBLY ALL BOLTS, NUTS, AND WASHERS SHALL BE COATED WITH COAL TAR (BITUMASTIC 50 AS MANUFACTURED BY CARBOLINE OR APPROVED EQUAL).
9. ANY MODIFICATION MUST BE APPROVED BY THE EWW ENGINEERING DEPARTMENT IN ADVANCE.

MINIMUM THRUST BLOCK SIZES

EXISTING MAIN SIZE	IN	4"	6"	8"	10"	12"	16"
THRUST BLOCK AREA	SF	1.1	2.2	3.7	5.5	7.7	13.4
EXISTING MAIN SIZE	IN	20"	24"	30"	36"		
THRUST BLOCK AREA	SF	20.7	29.4	24.2	34.6		

DRAWN BY: PH
DATE: OCT 2010

APPROVED BY: CP
NOT TO SCALE

TAPPING SLEEVE (LIVE TAP) WITH THRUST BLOCK

ERIE WATER WORKS
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