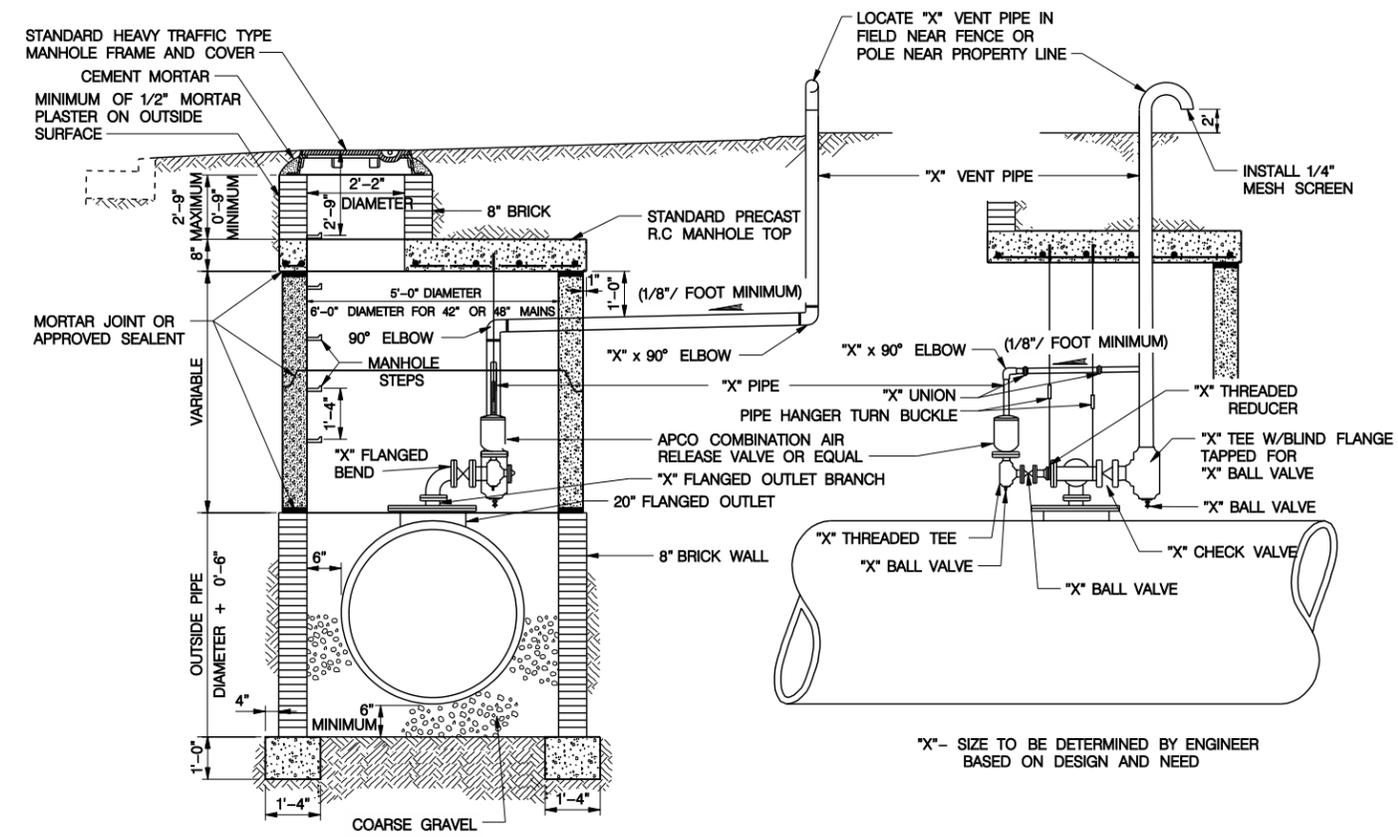
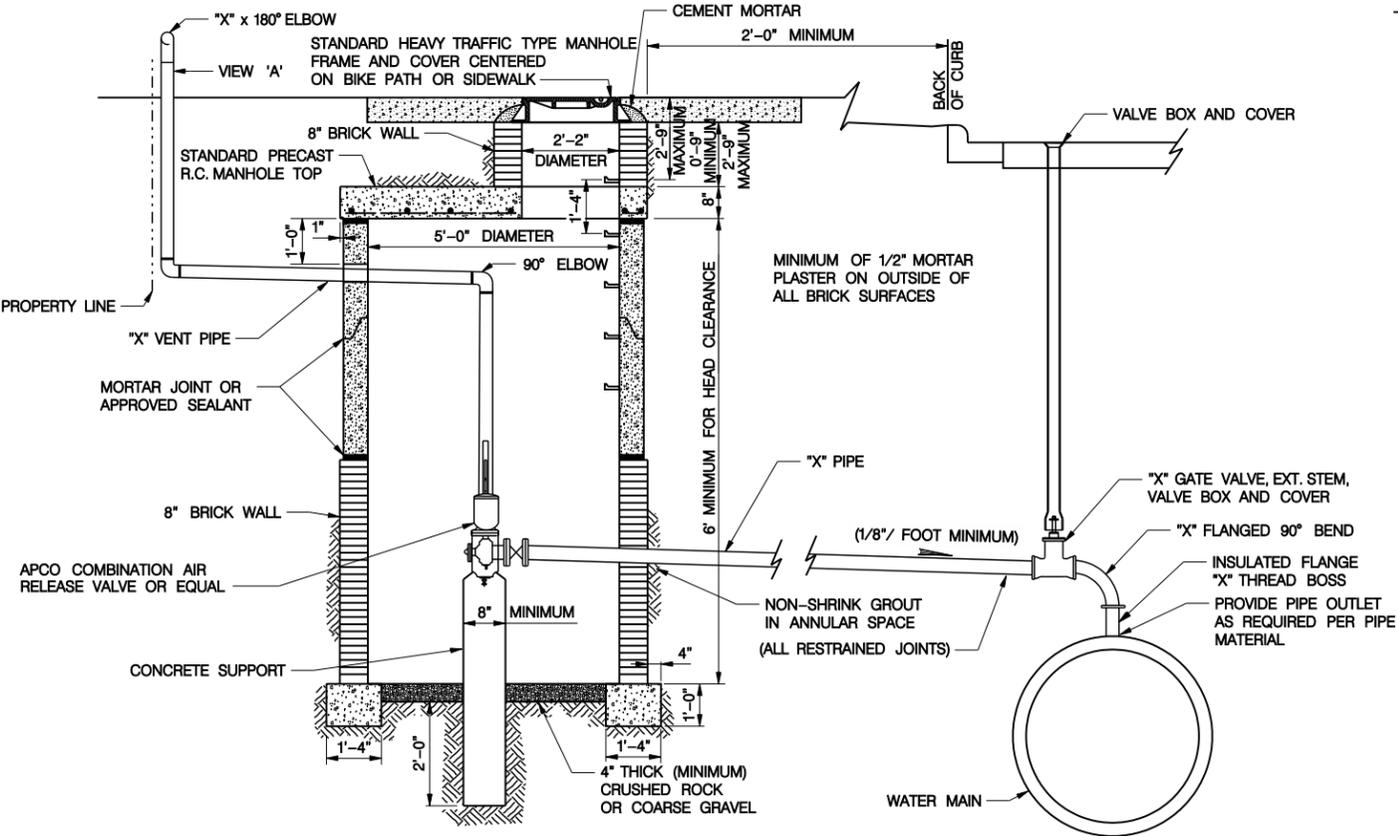


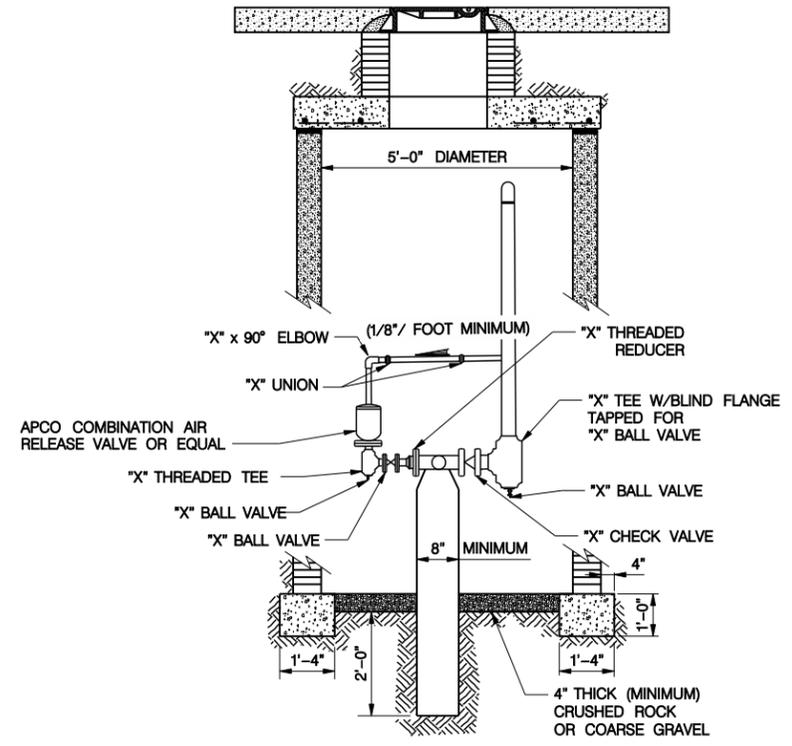
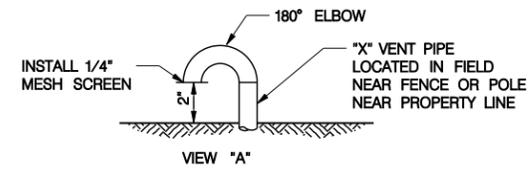
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AUTOMATIC AIR RELIEF VAULT INSTALLATION



AUTOMATIC AIR RELIEF VAULT INSTALLATION FOR MAINS UNDER PAVING



NOTES:

SHUTOFF VALVES SHALL BE CARBON STEEL CONBRACO "APOLLO 88-100 SERIES", NELES-JAMESBURY "SERIES 5000, FIG 5150-11-2200TT", OR POWELL "FIG A224T" BALL VALVES.

DRAIN VALVES SHALL BE BRASS OR BRONZE CONBRACO "APOLLO 70-100 SERIES" OR STOCKHAM "S-216".

CHECK VALVES SHALL BE APCO "SERIES 9000 CLASS 150 DOUBLE DOOR CHECK VALVE" OR EQUAL.

COMBINATION AIR RELEASE VALVES SHALL BE APCO OR EQUAL.

THE CAST IRON MANHOLE RING SHALL SET IN A BED OF MORTAR, AND CAREFULLY ADJUSTED TO PROPOSED GRADE.

MANHOLE RING AND COVER SHALL BE CITY OF LINCOLN HEAVY TRAFFIC TYPE. (SEE LSP 162)

MANHOLE STEPS SHALL BE CITY OF LINCOLN STANDARD MANHOLE STEPS. (SEE LSP 162)

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

ANY TAP LARGER THAN 1" SHALL BE INSTALLED BY FACTORY.

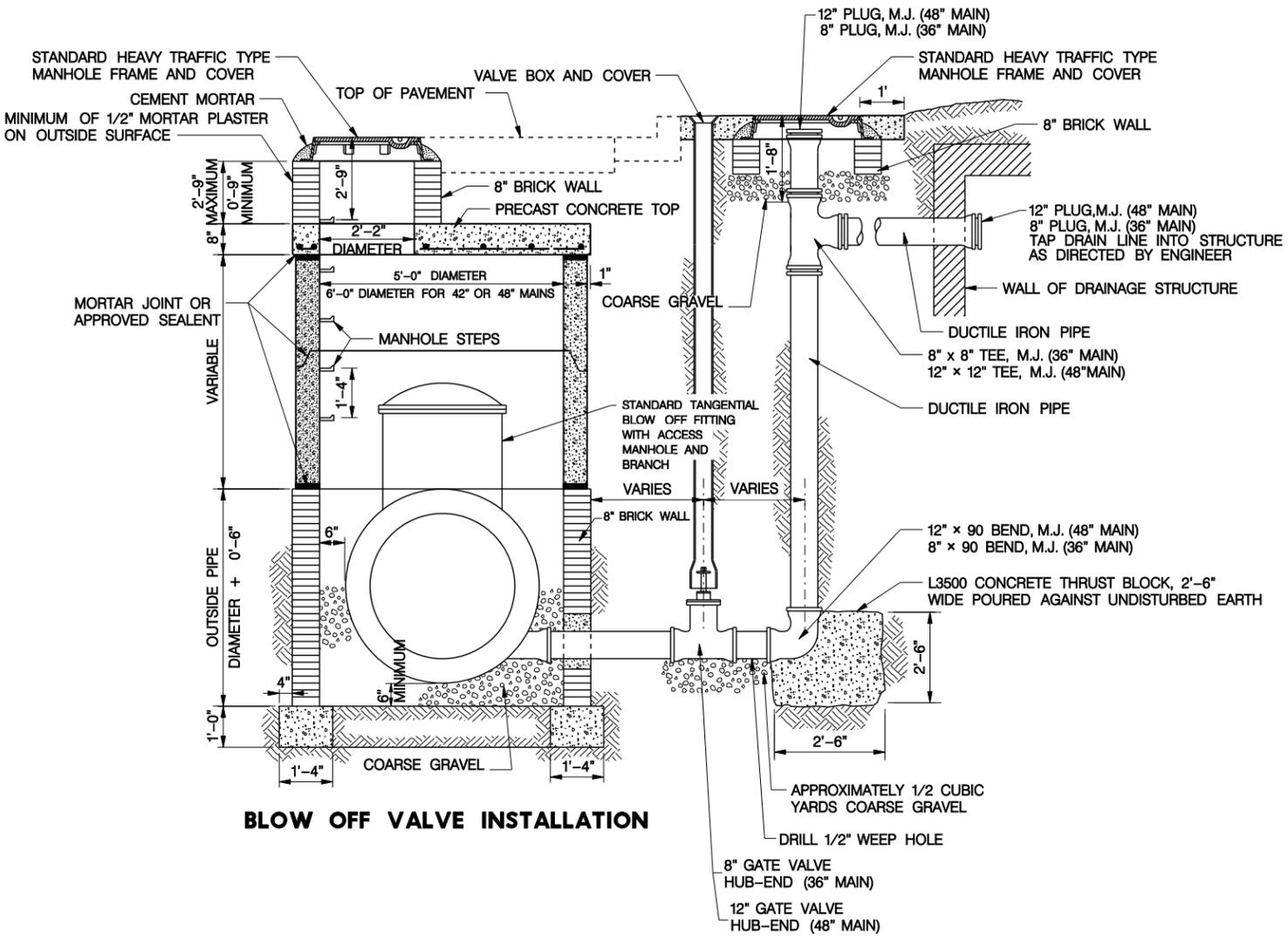
"X"- SIZE AND TYPE TO BE DETERMINED BY ENGINEER BASED ON DESIGN AND NEED



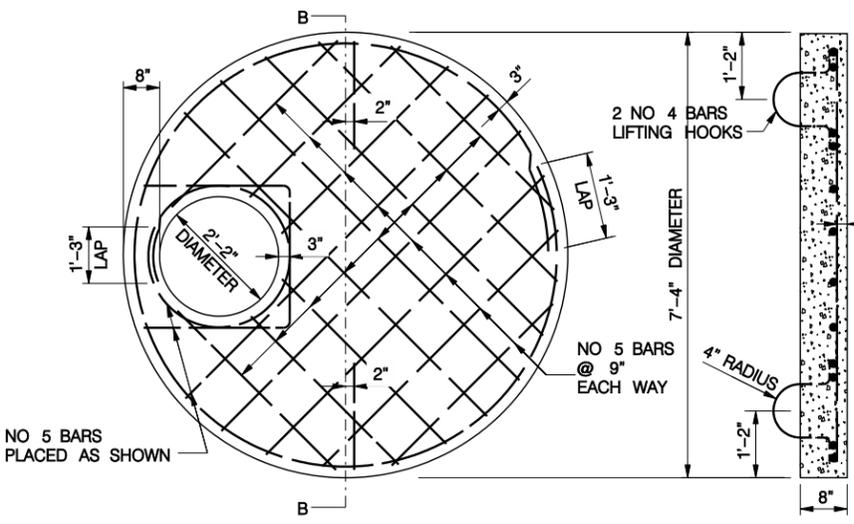
EFFECTIVE JULY 1, 2011
WATER MAIN VALVE MANHOLES, AIR RELIEFS AND BLOW OFFS
L.S.P. 310

This document was originally issued and sealed by Steve R. Owen, E-6812, on 6-6-11. This media should not be considered a certified document.

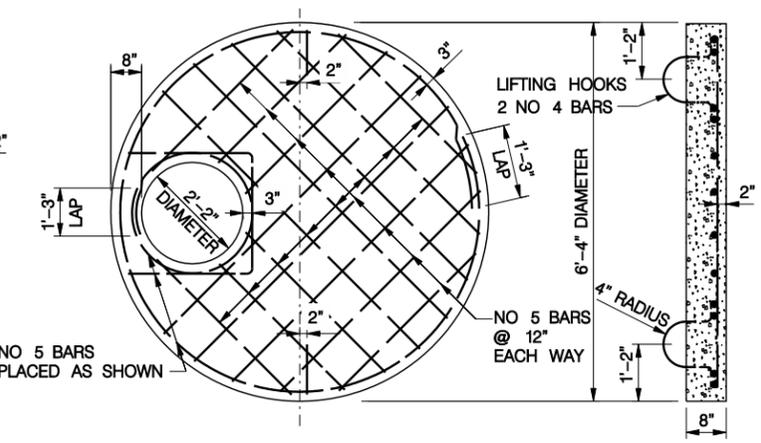
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BLOW OFF VALVE INSTALLATION



PRECAST R.C. MANHOLE TOP FOR 6'-0" R.C. PIPE



PRECAST R.C. MANHOLE TOP FOR 5'-0" R.C. PIPE



EFFECTIVE JULY 1, 2011
WATER MAIN VALVE MANHOLES, AIR RELIEFS AND BLOW OFFS
 L.S.P. 310