



NOTES

1. Manhole base shall be ODOT Class C concrete with #4 reinforcing bar matt 11"cc EW.
2. Floor of manhole shall be sloped 1/4" per foot toward sump hole or 8" V.P. drain whichever applies.
3. Sump hole when used shall be 12" diameter and 4" deep with reinforcing bars depressed to clear sump as required.
4. Drain when used shall be 8" Vitrified clay pipe ASTM C-700 ES-FD with ASTM C-425 joint with min. slope of 0.4% grade.
5. Brick shall be solid clay or shale ASTM C-32 or approved equal.
6. Masonry Cement shall be ASTM C-91 or approved equal.
7. Sand used for making cement Mortar shall be Silica Sand free of organic matter and passing through a #20 mesh sieve and retained by a #30 mesh sieve.
8. Pier under main tee shall be shall be square constructed of cast in place ODOT Class C concrete or built up brick.
9. Manhole shall be plastered inside and outside with 1/2" of 1:2 cement Mortar: sand.
10. Only cast iron steps shall be permitted such as Neenah 1980-E or approved equal step spacing shall be not less than 16 inches.
11. Manhole frame and lid shall be heavy duty (min. 16,000 # wheel load rating) cast iron, solid lid with the word WATER cast on lid such as Neenah R-1716 or approved equal.
12. When in pavement area, manhole frame and lid shall be set 1/4" below pavement.
13. Main tee shall be AWWA C-110 and C-111 250 PSI cement lined with 6" flanged branch.
14. 6" Gate Valve shall be AWWA 150 PSI flanged joint with A 2" operating nut opening to the right.
15. 1" x wall thickness around pipe shall be filled with an approved expansion joint material.

W.M. Size	A	B	C
8"	14 1/4"	17 1/4"	8"
10"	16 1/4"	17 1/4"	10"
12"	17 1/4"	14 1/4"	12"

CITY OF ELYRIA, OHIO
ENGINEERING DEPARTMENT

TYPE I BLOW-OFF MANHOLE
SIZES 8" THUR 12"

DR. BY _____ DATE _____
CK. BY LEJ DATE 7-31-78

DRAWING

BY _____ DATE _____
REVISIONS

Henry D. [Signature]
APPROVED CITY ENGINEER

2-503