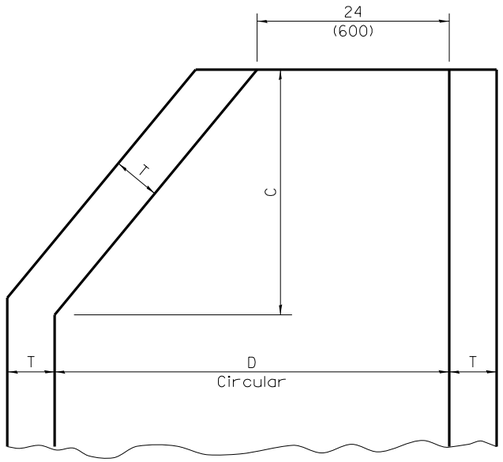
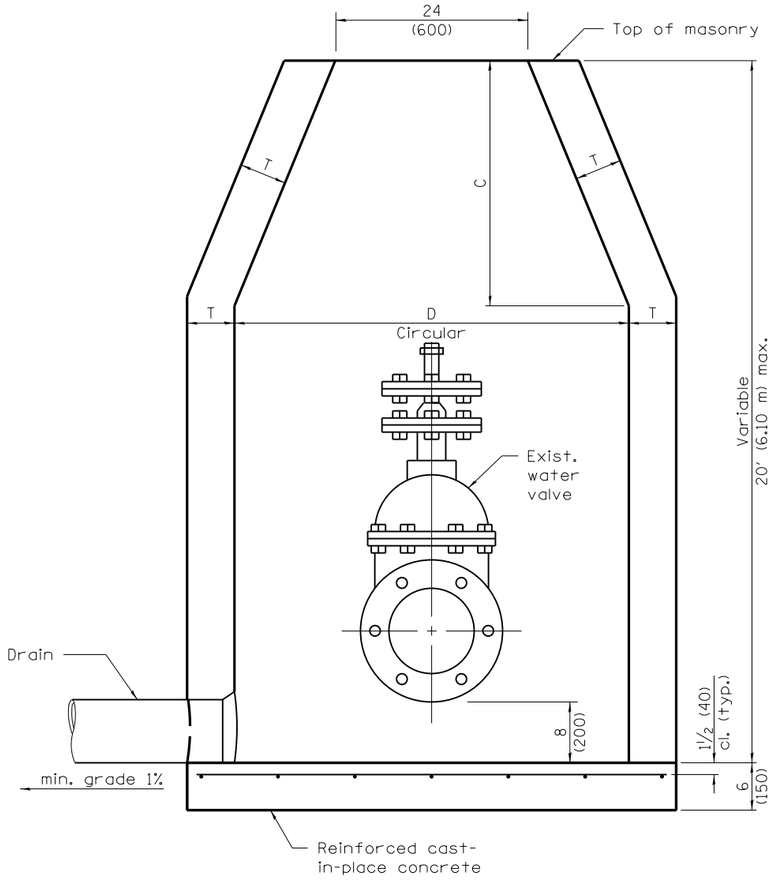
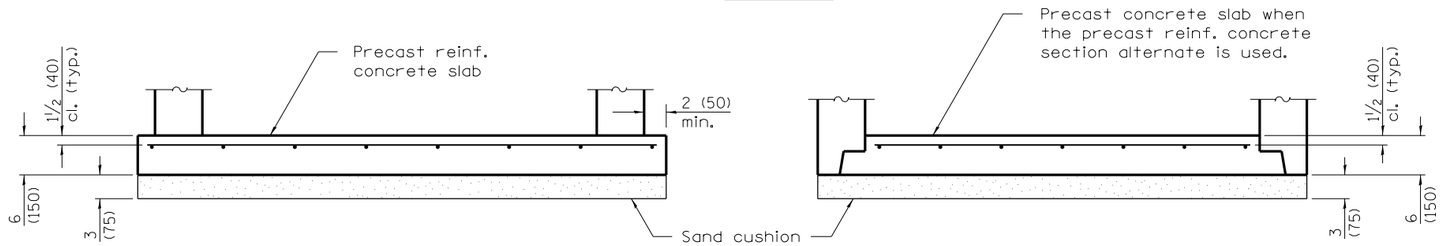


The cone of the valve vault shall be constructed as shown above only when there is interference with underground conditions and those conditions cannot be altered.



ELEVATION



ALTERNATE METHODS

ALTERNATE MATERIALS FOR WALLS	D	C *	T (min.)
Concrete Masonry Unit	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	4 (100) 5 (125)
Cast-in-Place Concrete	4'-0'' (1.2 m) 5'-0'' (1.5 m)	30 (750) 3'-9'' (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension ''C'' may vary from the dimension given to plus 6 (150).

DIAMETER OF WATER MAIN	D
8 (200) and under	4'-0'' (1.2 m)
10 (250) and over	5'-0'' (1.5 m)

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.31 sq. in./ft. (660 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional Precast Reinforced Concrete Flat Top Slab.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-11

DATE	REVISIONS
1-1-11	Detailed reinforcement in slabs. Revised general notes.
1-1-09	Switched units to English (metric).

VALVE VAULT TYPE A

STANDARD 602501–02