

Provide Neenah R-1772-C Frame and Manhole as Specified Below:

For All Public Structures  
Use EJIW #00102443 (VILLAGE OF GURNEE LOGO)

For All Others - Concealed Pickholes, Self-Sealing Gasket, and Word "WATER" Cast in Lid.

NOTE:

A tracing wire must be installed and brought to grade.  
(12 gauge, solid strand, insulated wire)

Precast Concrete Adjusting Rings, as Necessary. Overall Height not to Exceed 8"

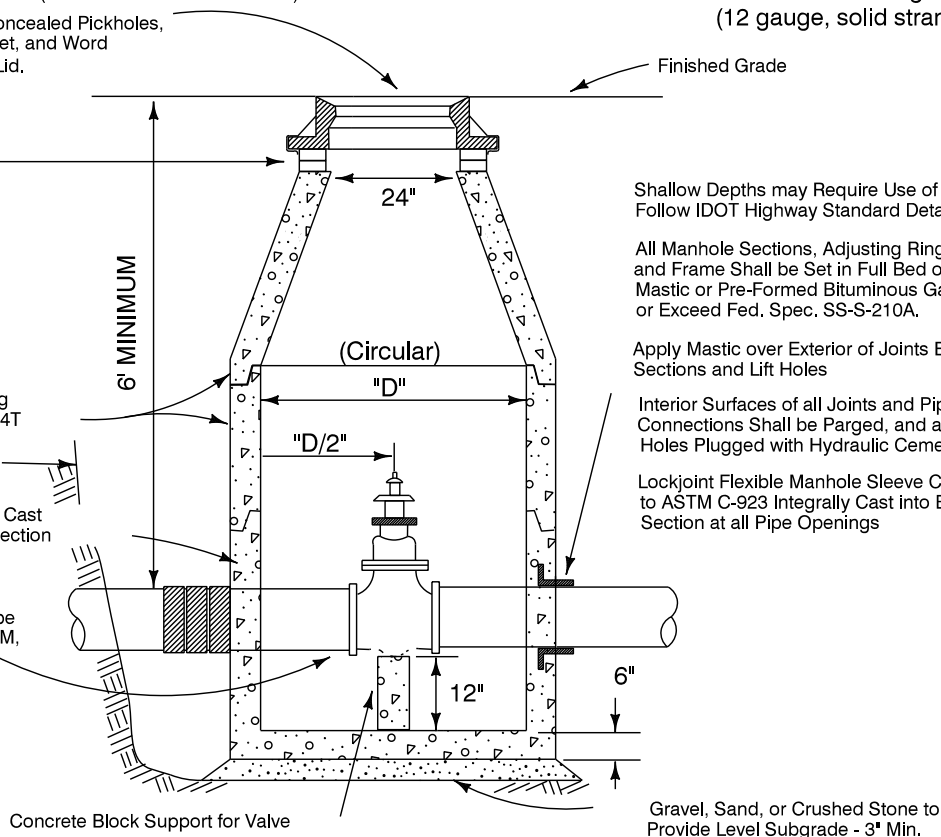
Precast Reinforced Concrete Ring Construction, per ASTM C-478-64T

Limits of Machine Excavation

Precast Reinforced Concrete Base Cast Monolithically with Bottom Barrel Section

Resilient Wedge Gate Valve shall be Mueller A-2360, NON-RISING STEM, 2" NUT, M.J., OPEN LEFT

Two Stainless Steel Banded Straps Clamped on Opposite Sides at Each Pipe Connection



Shallow Depths may Require Use of "Flat Top" Section Follow IDOT Highway Standard Detail # 2354-1

All Manhole Sections, Adjusting Rings (if used), and Frame Shall be Set in Full Bed of Bituminous Mastic or Pre-Formed Bituminous Gasket. Meet or Exceed Fed. Spec. SS-S-210A.

Apply Mastic over Exterior of Joints Between Sections and Lift Holes

Interior Surfaces of all Joints and Pipe Connections Shall be Parged, and all Lift Holes Plugged with Hydraulic Cement Mortar.

Lockjoint Flexible Manhole Sleeve Conforming to ASTM C-923 Integrally Cast into Barrel Section at all Pipe Openings

Gravel, Sand, or Crushed Stone to Provide Level Subgrade - 3" Min.

## SECTIONAL ELEVATION

### NOTES:

1. Dimension "D" Shall be 48" When Watermain is Less Than 10" in Diameter, 60" When Diameter of Main is 10" or 12", 72" When Diameter of Main is 14" or 16", and 84" When Diameter of Main is 18" or Larger.
2. For Valve Vaults Constructed Over Existing Mains, Such as at Pressure Connections or for Valve Insertions, Refer to Pressure Connection Detail.
3. The Contract Unit Price For "Valve Vault" Shall Include the Cost of Furnishing and Placing 3" Leveling Base as Specified, and the Cost of Furnishing and Placing the Specified Frame and Cover.
4. Frame Opening Shall be Aligned Over Operating Nut so that Valve can be Keyed Without Twist or Torque.
5. Use offset cones only when needed to center valve otherwise concentric.

# WATERMAIN VALVE VAULT

Issued		
By	Revised	Date
WJH		2-13-93
EBV		10-08-99
LG		4-04-00
SD		1-4-06
MJ		6-25-14

VILLAGE OF GURNEE  
ENGINEERING DIVISION

Approved by:	
SD	1/4/06
MJ	6/25/14