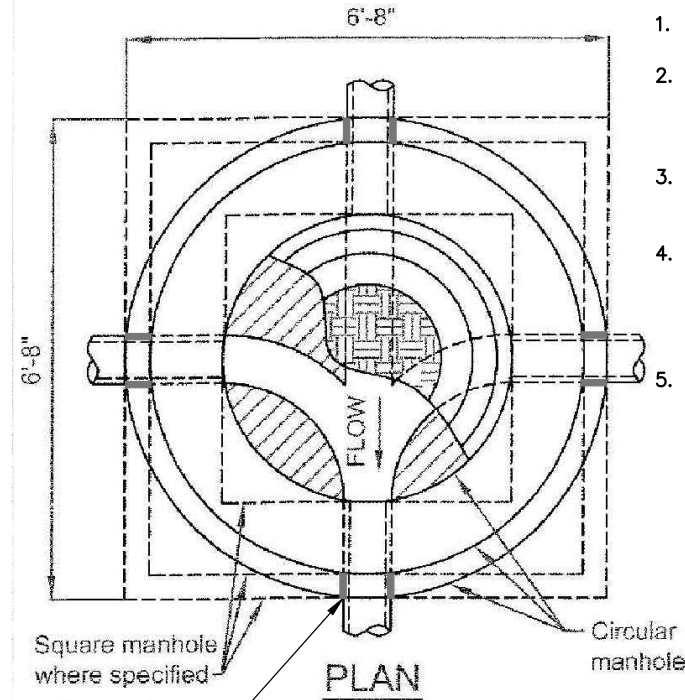


NOTES

1. Mortar (Type S) for masonry work shall be Type S mortar in accordance with ASTM C-270.
2. Cast iron frame and cover shall be campbell foundry pattern no. 1012A. Refer to Village precast cast concrete sanitary sewer manhole general note 6 and storm/sanitary sewer manhole casting standard construction details for frame and cover information.
3. Where pipe diameter are greater than 36", a Type 'C' concrete block manhole may be constructed at the discretion of the Village Engineer.
4. Mortar shall meet NYSDOT specification 705-21 "mortar for concrete masonry". Mortar shall be composed of two (2) parts type ii portland cement (ASTM C-150), one (1) part hydrated lime (ASTM C-207, Type S) and nine (9) parts sand (ASTM C-144), well graded with no grain larger than will pass a number 8 sieve.
5. Refer to Village precast concrete sanitary sewer manhole standard construction detail for excavation pay limits and backfill material (NYSDOT Item No. 204.01 "CLSM" with Fly Ash)

MANHOLE DIMENSIONS		
Depth "A" Top of Casting To Invert	"B" Height of 12" Wall	"C" Height of 8" Wall
6'-0"	2'-6"	3'-0"
7'-0"	3'-0"	3'-6"
8'-0"	3'-6"	4'-0"
9'-0"	3'-6"	5'-0"
10'-0"	4'-0"	5'-6"
11'-0"	4'-0"	5'-6"
12'-0"	4'-0"	7'-6"
13'-0"	4'-6"	8'-0"
over 13'-0"	Construct Precast Manhole	



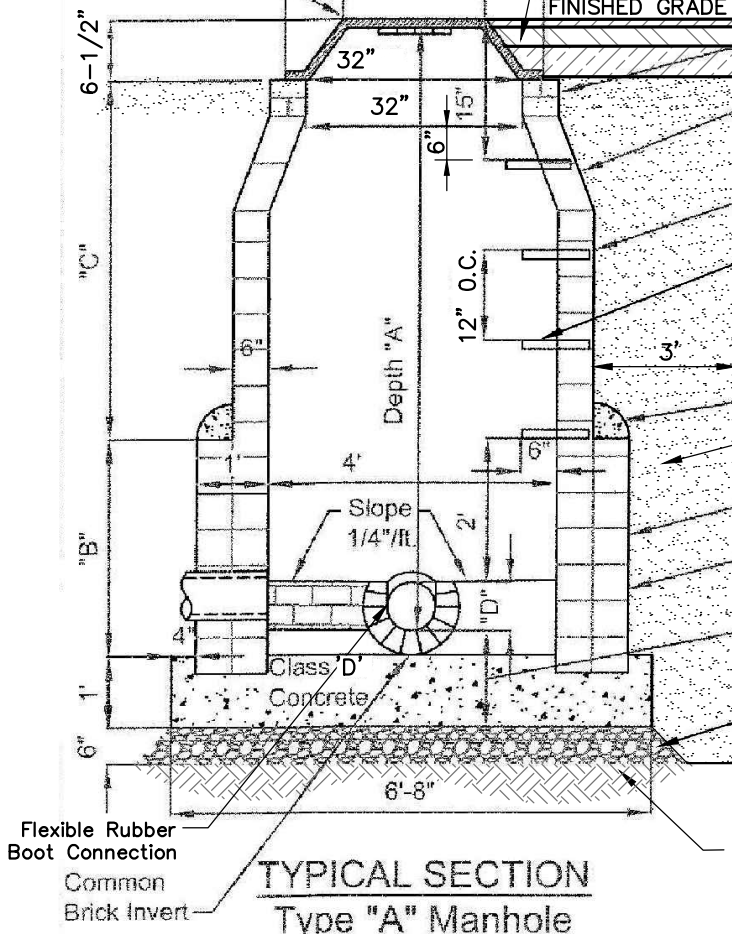
Flexible Rubber Boot Connection (Typical for All Pipe Connections)

Top of Casting = Finish Grade

43"

30"

BITUMINOUS CONCRETE PAVEMENT SECTION (REFER TO VILLAGE STANDARD CONSTRUCTION DETAIL)



- Two (2) Courses of Common Brick (minimum)
- 1" Cement Parge and Bituminous waterproofing on Sanitary Sewer Manhole. Exterior coating for manhole shall be either Mobil 78-J-2 Val-Chem Tar-Coat, Rust-Oleum 9300 Epoxy System or approved equal.
- 6" Solid Concrete Block
- 16" aluminum or reinforced plastic manhole steps 12" on center (16" max.). Steps shall be Neenah No. R-1981-0 or approved equal. Steps shall be embedded into the structure walls a minimum of 3 inches. Rung shall project a minimum clear distance of 4 inches from the structure walls measured from the point of embedment.
- 1:2 Mortar
- REFER TO NOTE 5
- 6" Solid Concrete Block
- 1" Cement Parge waterproofing on Storm Drain manhole.
- Not less than 16" unless otherwise ordered

NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR ALL MANHOLE CONSTRUCTION MATERIALS TO THE VILLAGE ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO FLEXIBLE RUBBER BOOT CONNECTION ON VILLAGE PRECAST CONCRETE SANITARY SEWER MANHOLE STANDARD CONSTRUCTION DETAIL.

VILLAGE OF MAMARONECK
STANDARD CONSTRUCTION DETAILS

SANITARY SEWER MANHOLE (TYPE 'A' - CONCRETE BLOCK)

PREPARED IN THE
OFFICE OF THE
VILLAGE ENGINEER

DESIGNED BY: ARC, PE CHECKED BY: ARC, PE
DRAWN BY: ARC, PE VOM Sanitary Sewer Manhole (C)



VILLAGE OF MAMARONECK
VILLAGE MUNICIPAL BUILDING
169 MT. PLEASANT AVENUE (3RD FLOOR)
WESTCHESTER COUNTY
VILLAGE OF MAMARONECK, NY 10543
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PROJECT: DETAILS
SCALE: NOT TO SCALE
DATE: 11/11/2014

SD-4F