

OTHER POTENTIALLY ACCEPTABLE CATCH BASIN CASTINGS  
DEPENDING UPON CIRCUMSTANCES AND SUBJECT TO  
CITY APPROVAL:

NEENAH R-2561-A BEEHIVE GRATE & CASTING  
NEENAH R-2573 CONCAVE GRATE & CASTING  
NEENAH R-2577 CONVEX GRATE & CASTING  
NEENAH R-3250-1 GRATE & CASTING  
NEENAH R-3290-A FOR CROSS GUTTERS  
NEENAH R-3501-TR & TL FOR SURMOUNTABLE  
CURB  
NEENAH R-4342 WITH CONCRETE MNDOT FRAME  
PLATE #4143E

DIMENSION FROM BACK OF CURB TO  
CENTER OF PIPE.

4' DIA. M.H.-9" IN FROM BACK OF CURB  
6' DIA. M.H.-3" BEHIND BACK OF CURB  
8' DIA. M.H.-15" BEHIND BACK OF CURB

VARIABLE THICKNESS HDPE ADJUSTING RINGS AS REQUIRED. MINIMUM OF 4" ADJUSTMENT AND MAXIMUM OF 12" ADJUSTMENT. USE LARGER ADJUSTMENT RINGS TO MINIMIZE THE NUMBER OF JOINTS. INCLUDE MIN. (1)–2" RING IMMEDIATELY UNDER THE CASTING. THERE CAN BE NO MORE THAN 3" OF OFFSET IN ANY DIRECTION IN THE ADJUSTING RING PLACEMENT. USE TAPERED RINGS TO MATCH CASTING TO STREET GRADE. APPLY BUTYL SEALANT BETWEEN THE FIRST RING AND THE STRUCTURE AND BETWEEN THE UPPER RING AND THE CASTING. DON'T APPLY SEALANT TO THE MIDDLE JOINTS. WRAP THE OUTSIDE OF THE RINGS WITH A NON-WOVEN GEOTEXTILE FABRIC.

RAMNEK OR SIMILAR GASKET TYPE  
MATERIAL TO BE PLACED BETWEEN  
SLAB AND TOP OF MANHOLE SECTION.

ALL MANHOLE JOINTS TO HAVE RUBBER GASKETS

-PRECAST CONCRETE MANHOLE SECTION.

MANHOLE STEPS NEENAH R1981J PLASTIC  
COATED OR APPROVED EQUAL, 16" O.C.

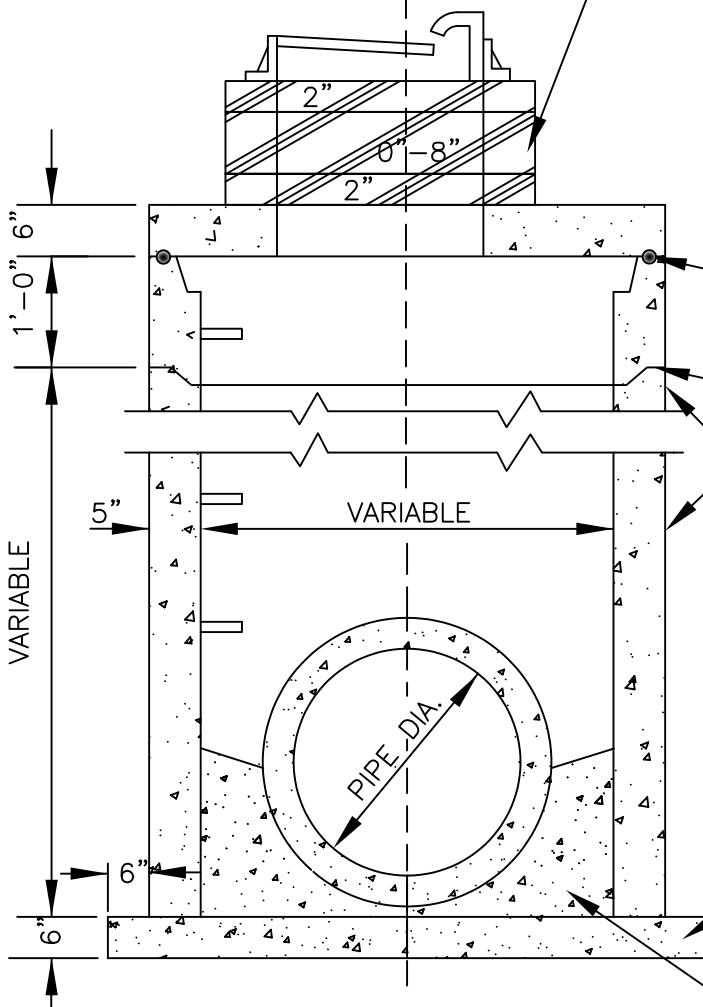
USE PRECAST SECTIONS WHENEVER POSSIBLE.

USE MIN. 4' DIAMETER MANHOLE SECTIONS  
FOR PIPE SIZES UP TO 36" DIAMETER.

DOGHOUSES SHALL BE GROUTED ON BOTH  
THE OUTSIDE AND INSIDE.

BOTH BASE SLAB AND TOP SLAB VARIES IN THICKNESS, (6"MINIMUM-12"MAXIMUM) DEPENDING UPON STRUCTURE DIAMETER AND DEPTH. FOLLOW MANUFACTURES SPECIFICATIONS.

-GROUT INVERT BOTTOM TO 1/2 DIA. OF PIPE.



STANDARD DETAILS  
PRECAST STORM SEWER CATCH BASIN MANHOLE  
WITH REINFORCED CONCRETE TOP SLAB  
CITY OF PLYMOUTH

---

PUBLISHED  
3-23

CITY PL. NO.  
ST-6  
REVISED 1-21