

NOTE: 24"x36" SLAB OPENING FOR NEENAH R-3067-V OR -VB CASTING AND GRATE.
OTHER POTENTIALLY ACCEPTABLE CATCH BASIN CASTINGS DEPENDING UPON THE
CIRCUMSTANCES AND SUBJECT TO CITY APPROVAL ARE:

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

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.

6" MINIMUM PRECAST REINFORCED CONCRETE SLAB.

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

PRECAST CONCRETE MANHOLE SECTIONS.

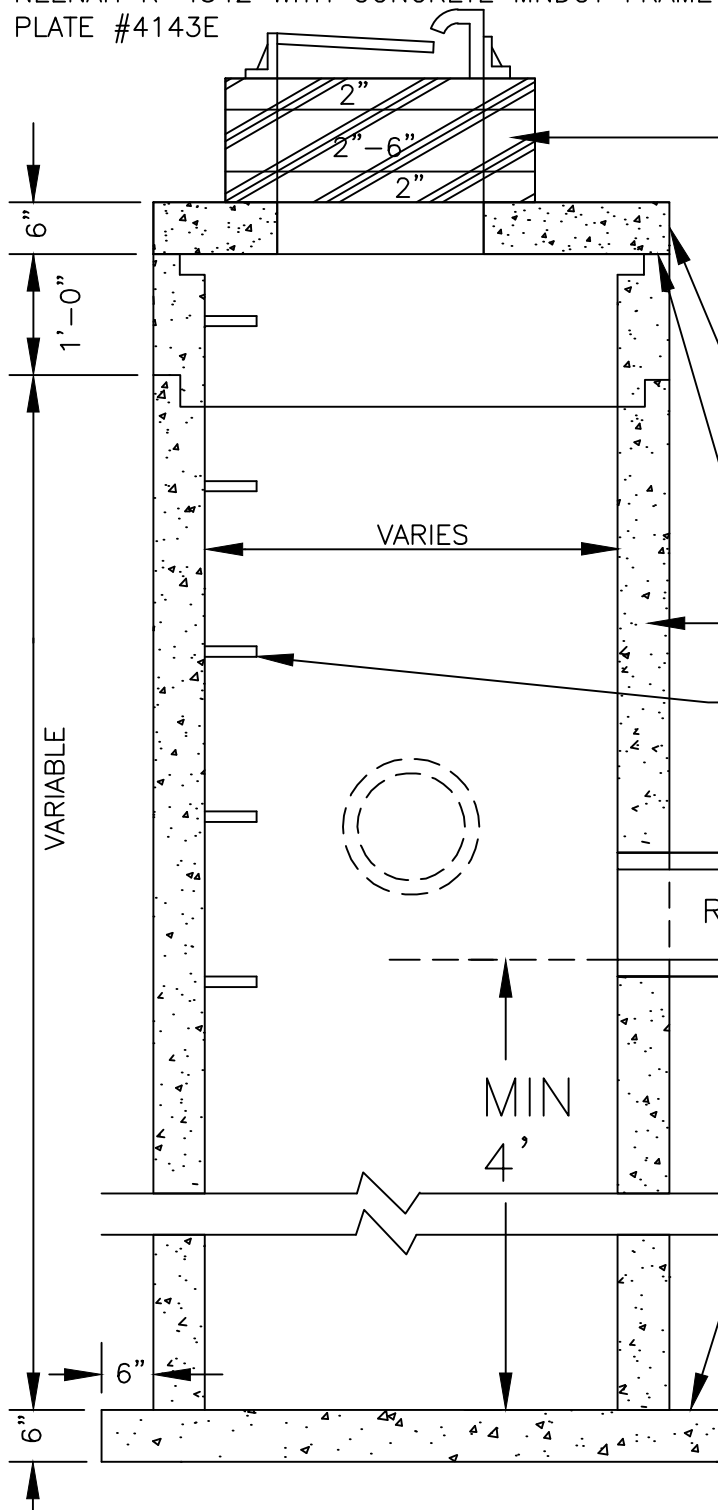
MANHOLE STEPS NEENAH R-1981-J PLASTIC COATED OR APPROVED EQUAL, 16" ON CENTER

R.C.P.

FLOW

CONSTRUCT SUMP MANHOLE, INTERNAL SKIMMER AND ENERGY DISSIPATER PER MANUFACTURERS SPECIFICATIONS BASED UPON SITE SPECIFIC DESIGN CONSIDERATIONS.

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



STANDARD DETAILS
SUMP CATCH BASIN MANHOLE
CITY OF PLYMOUTH

PUBLISHED
1-24

CITY PL. NO.
ST-11
REVISED 1-21