

NOTE: 24"X36" SLAB OPENING FOR NEENAH R-3067-V OR
-VB CASTING AND GRATE.

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.

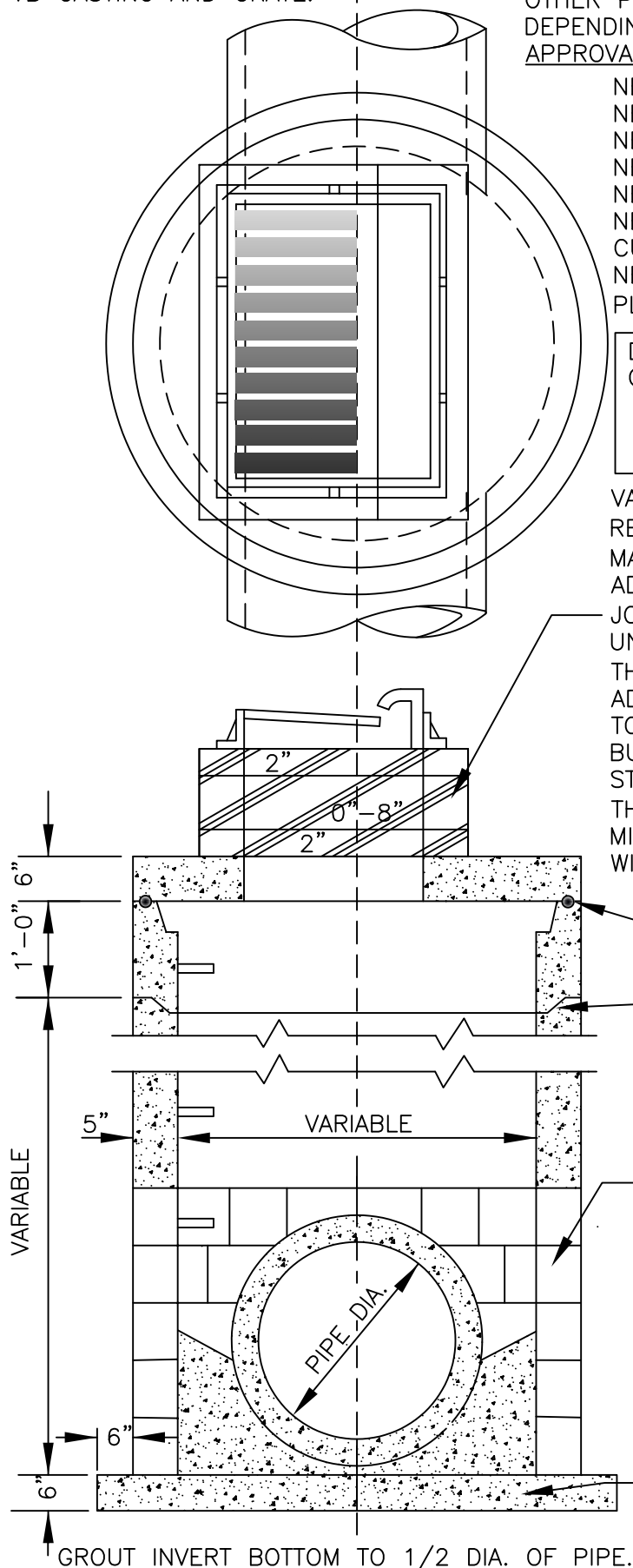
MANHOLE STEPS NEENAH R1981J PLASTIC
COATED OR APPROVED EQUAL, 16" O.C.

USE PRECAST SECTIONS WHENEVER POSSIBLE
WITH APPROVAL: 8" PRECAST CONCRETE
BLOCK TO TOP OF THE PIPE, WITH PRECAST
MANHOLE SECTION ABOVE TOP OF PIPE,
PLASTER INTERIOR, EXTERIOR AND ALL GAPS
IN CONCRETE BLOCK WITH FLEX SEAL OR
APPROVED EQUAL.

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
BLOCK STORM SEWER CATCH BASIN MANHOLE
WITH REINFORCED CONCRETE TOP SLAB
CITY OF PLYMOUTH

PUBLISHED
3-23

CITY PL. NO.
ST-7
REVISED 1-21