



24" X 36" SLAB
OPENING FOR
NEENAH R3067-L
OR EQUAL.

PLAN

DIMENSION FROM BACK OF CURB TO CENTER OF
PIPE WHERE CONE SECTION IS USED

MANHOLE DIAMETER	MEASUREMENT
4'	9" IN FROM BACK OF CURB
5'	3" IN FROM BACK OF CURB
6'	3" BEHIND BACK OF CURB
7'	9" BEHIND BACK OF CURB
8'	15" BEHIND BACK OF CURB

PAVE 1/4" TO 1/2"
ABOVE FRAME

PAVEMENT

6"

VARIES

VARIES

GROUT BOTTOM

6" MIN.

R2"

30" MIN.

VARIES *
48" MIN.

5" MIN.



SECTION

NEENAH R3067-L CASTING OR EQUAL

CONCRETE ADJUSTMENT RINGS
PER STR-1 DETAIL

6" MIN. PRECAST REINFORCED
CONCRETE SLAB (OR CONE
SECTION). TOP OF BARREL SECTION
UNDER TOP SLAB TO HAVE FLAT TOP
EDGE SEALED WITH 2 BEADS OF
PREMIUM BUTYL RUBBER SEALANT.

6" PERFORATED PVC PIPE
PROTRUDING 1" INSIDE
STRUCTURE (BOTH SIDES)

NOTES:

1. DOGHOUSES SHALL BE GROUTED ON BOTH THE INSIDE AND OUTSIDE.
2. PRECAST CONCRETE SECTIONS ONLY. NO BLOCK STRUCTURES ARE ALLOWED.
3. RUBBER GASKETS OR PREMIUM BUTYL RUBBER JOINT SEALANT ON ALL RISER SECTION JOINTS.
4. DRAIN TILE HOLES TO BE PRECAST OR CORE DRILLED.
5. WHEN DRAIN TILE LOCATION CONFLICTS WITH OTHER PIPE CONNECTIONS, CORE DRILL HOLES IN THE FIELD ELSEWHERE IN THE CATCH BASIN. FLOW MUST BE MAINTAINED.

MINIMUM SLAB THICKNESS, 6" FOR
14' DEPTH. INCREASE THICKNESS 1"
FOR EACH 4' OF DEPTH GREATER
THAN 14' AND REINFORCE WITH 6" X
6" 10/10 MESH.

12" NDDOT CLASS 3M AGGREGATE BASE

* DETERMINED BY PIPE SIZE.

City Plate No.:

STO-5

Last Revision:

12/18/2020

Section:

2700

STANDARD DETAILS

CATCH BASIN MANHOLE CURB & GUTTER INSTALLATION

City of Minot