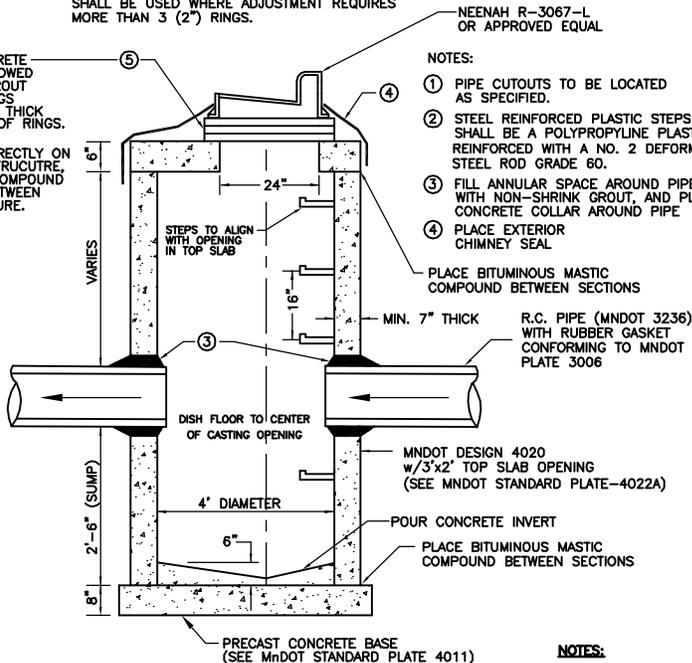


⑤ MAXIMUM ADJUSTMENT ALLOWED BETWEEN THE TOP CONE SECTION AND BOTTOM CASTING IS 12". A MAXIMUM OF 3 INDIVIDUAL ADJUSTING RINGS SHALL BE USED. TALLER 6" OR 12" RINGS SHALL BE USED WHERE ADJUSTMENT REQUIRES MORE THAN 3 (2") RINGS.

MAXIMUM OF 3 CONCRETE ADJUSTING RINGS ALLOWED WITH NON-SHRINK GROUT PLACED BETWEEN RINGS AND PLASTERED 1/2" THICK INSIDE AND OUTSIDE OF RINGS.

NOTE: IF CASTING IS SET DIRECTLY ON TOP OF CONCRETE STRUCTURE, BITUMINOUS MASTIC COMPOUND SHALL BE PLACED BETWEEN CASTING AND STRUCTURE.



TYPICAL DESIGN 4023 CATCH BASIN

NOTE: THE PIPE END(S) SHALL BE STUBBED INSIDE THE MANHOLE OR CATCH BASIN A MAXIMUM OF THREE INCHES (3"), UNLESS APPROVED OTHERWISE BY THE ENGINEER/OWNER.

NOTES:

- ① PIPE CUTOUPS TO BE LOCATED AS SPECIFIED.
- ② STEEL REINFORCED PLASTIC STEPS SHALL BE A POLYPROPYLENE PLASTIC REINFORCED WITH A NO. 2 DEFORMED STEEL ROD GRADE 60.
- ③ FILL ANNULAR SPACE AROUND PIPE WITH NON-SHRINK GROUT, AND PLACE CONCRETE COLLAR AROUND PIPE
- ④ PLACE EXTERIOR CHIMNEY SEAL

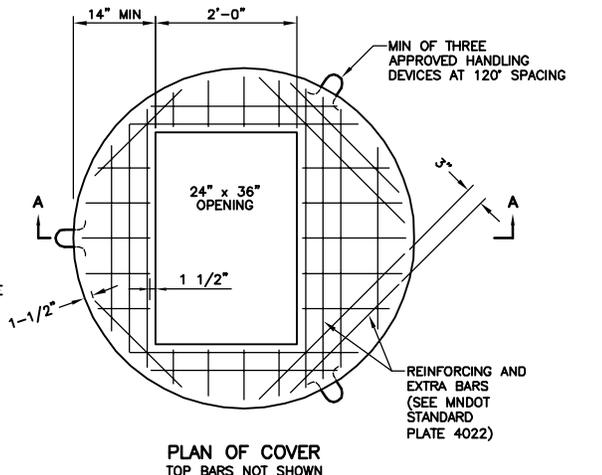
PLACE BITUMINOUS MASTIC COMPOUND BETWEEN SECTIONS

R.C. PIPE (MNDOT 3236) WITH RUBBER GASKET CONFORMING TO MNDOT PLATE 3006

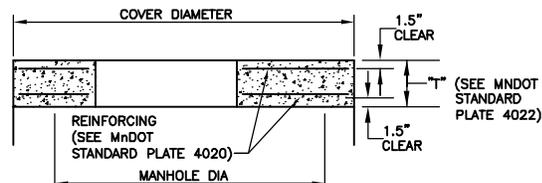
MNDOT DESIGN 4020 w/3'x2' TOP SLAB OPENING (SEE MNDOT STANDARD PLATE-4022A)

POUR CONCRETE INVERT
PLACE BITUMINOUS MASTIC COMPOUND BETWEEN SECTIONS

PRECAST CONCRETE BASE (SEE MNDOT STANDARD PLATE 4011)



PLAN OF COVER
TOP BARS NOT SHOWN



SECTION A-A

NOTES:

1. AASHTO HS 25 LOADING, MAXIMUM FILL HEIGHT 15 FT.
2. THE NO. 4022 SHALL BE PERMANENTLY MARKED ON THE TOP OF THE COVER.
3. EQUIVALENT STEEL AREAS IN WIRE MESH MAY BE USED.
4. REINFORCEMENT PER SPEC. 3301, GRADE 60. A SINGLE HOOP OF 8 GAGE STEEL WIRE.

**STORM SEWER
DESIGN 4023 CATCH BASIN WITH SUMP**

NOT TO SCALE
SAINT PETER STANDARD
PLATE 4023

**STORM SEWER DESIGN 4023
CATCH BASIN WITH SUMP**

STANDARD DETAIL
PLATE NO:
4023

APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED: REVISION ADOPTED BY CITY COUNCIL ON AUGUST 8, 2011

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL



**CITY OF
Saint Peter**
NICOLLET COUNTY, MINNESOTA
WHERE HISTORY & PROGRESS MEET