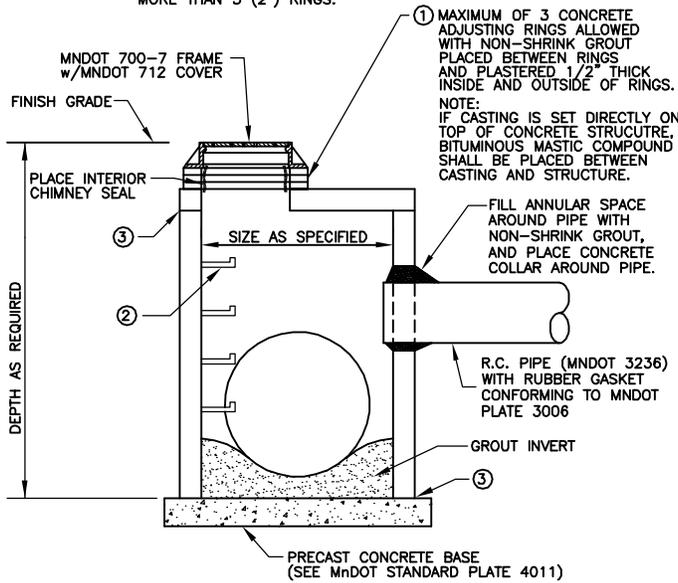


① MAXIMUM ADJUSTMENT ALLOWED BETWEEN THE TOP CONE SECTION AND BOTTOM CASTING IS 12". A MAXIMUM OF 3 INDIVIDUAL ADJUSTING RINGS SHALL BE USED. TALLER 6" OR 12" SHALL BE USED WHERE ADJUSTMENT REQUIRES MORE THAN 3 (2") RINGS.



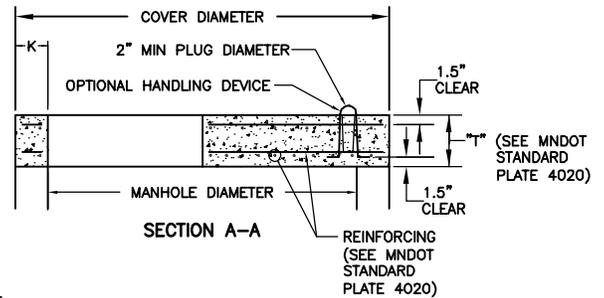
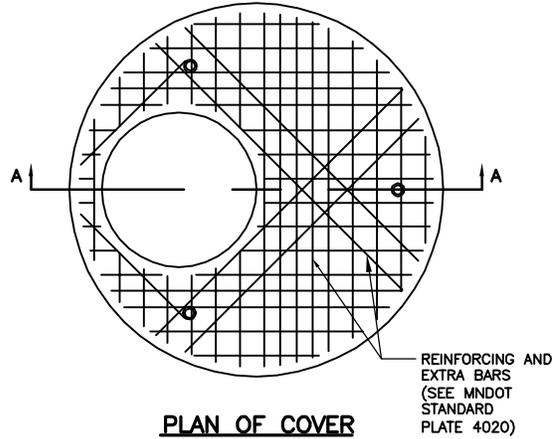
TYPICAL DESIGN 4020 MANHOLE

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.

- ② STEEL REINFORCED PLASTIC STEPS SHALL BE A POLYPROPYLENE PLASTIC REINFORCED WITH A NO. 2 DEFORMED STEEL ROD GRADE 60. STEPS TO ALIGN WITH OPENING IN TOP SLAB.
- ③ PLACE BITUMINOUS MASTIC BETWEEN SECTIONS

NOTES:

1. AASHTO HS 25 LOADING, MAXIMUM FILL HEIGHT 15 FT.
2. THE NO. 4020 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 4020 MANHOLE**
NOT TO SCALE
**SAINT PETER STANDARD
PLATE 4020**

**STORM SEWER
DESIGN 4020 MANHOLE**

STANDARD DETAIL
PLATE NO:
4020

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