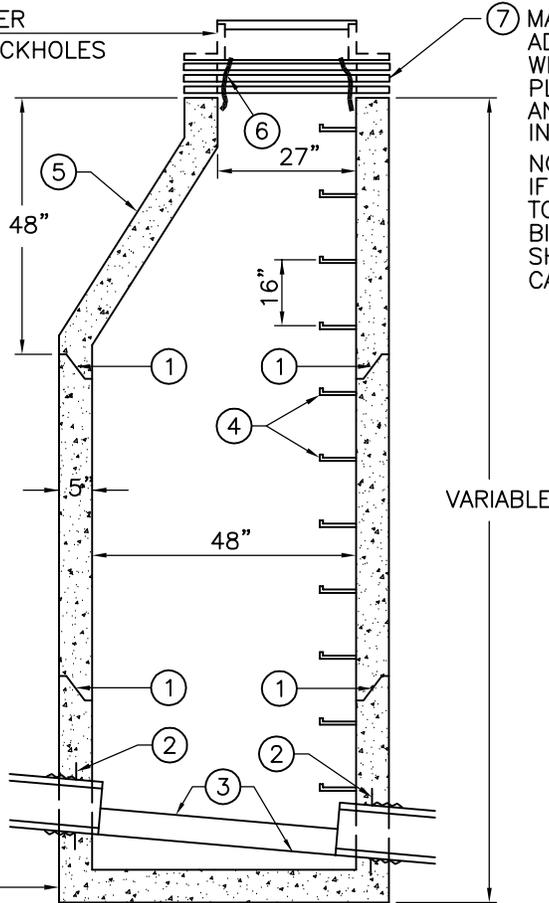


700-7 FRAME  
 712 GASKETED COVER  
 WITH CONCEALED PICKHOLES

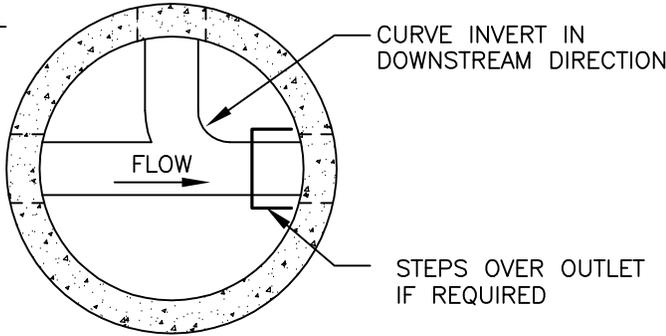
- ① RUBBER GASKET
- ② FLEXIBLE WATERTIGHT SEAL TO BE APPROVED BY ENGINEER. FILL ANNULAR SPACE AROUND PIPE WITH NON-SHRINK GROUT
- ③ SHAPE, DEPTH AND SLOPE OF INVERT TO BE APPROVED BY ENGINEER
- ④ STEEL REINFORCED PLASTIC STEPS SHALL BE A POLYPROPYLENE PLASTIC REINFORCED WITH A NO. 2 DEFORMED STEEL ROD GRADE 60
- ⑤ MN/DOT TYPE "B" ECCENTRIC PRECAST CONCRETE CONE SECTION TYPICAL FOR ALL MANHOLES
- ⑥ PLACE INTERIOR CHIMNEY SEAL



⑦ 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.

REFER TO PLANS FOR PIPE REQUIRED  
 6" MIN. INTEGRAL PRECAST CONCRETE BASE

- ⑦ 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.



PLAN VIEW

**SANITARY SEWER MANHOLE**  
 NOT TO SCALE  
 PLATE 5001

**SANITARY SEWER MANHOLE**

STANDARD DETAIL  
 PLATE NO:  
**5001**

APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED: REVISION ADOPTED BY CITY COUNCIL ON FEBRUARY 26, 2007

REMARKS:

**SAINT PETER UTILITY STANDARD DETAIL**

