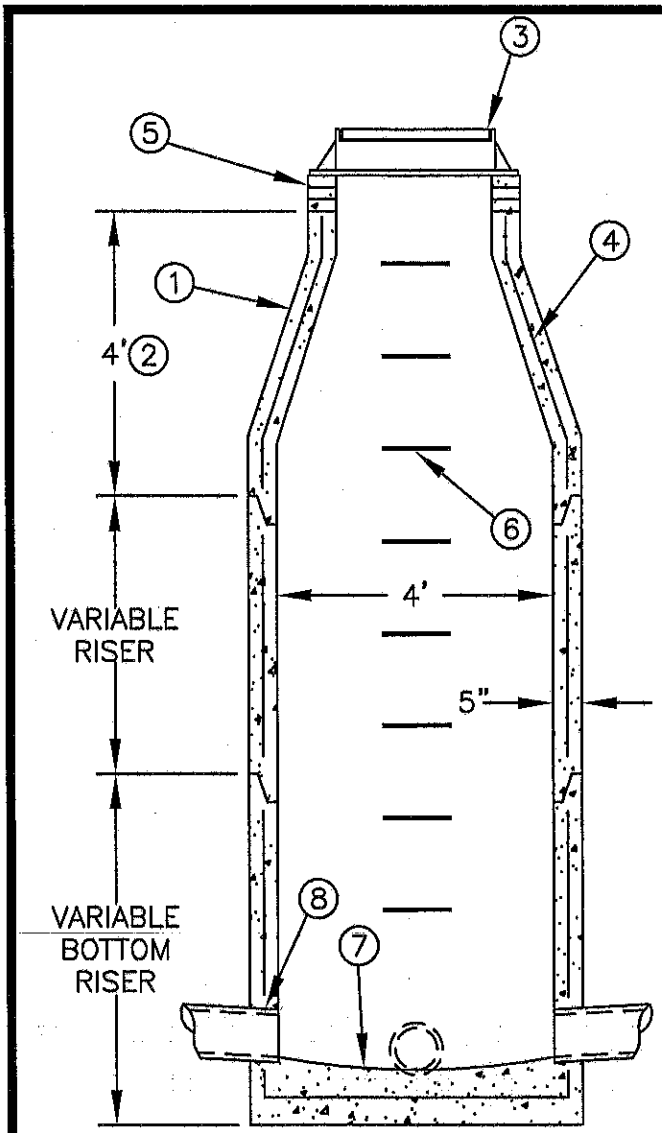
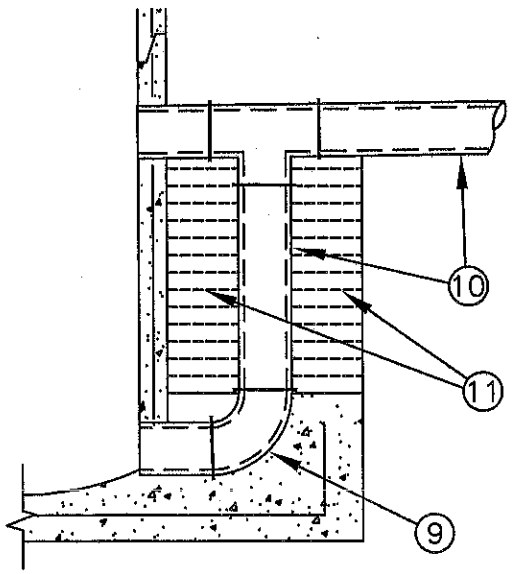


DROP DETAIL

NOTES:

1. CONE SHALL BE ECCENTRIC. MnDOT PLATE NO. 4005 TYPE B CONE SECTION.
2. CONE SECTION HEIGHT MAY VARY AS REQUIRED FOR SPECIFIC MH.
3. REFER TO PLANS AND/OR SPECIAL PROVISIONS FOR FRAME AND LID TYPE.
4. REINFORCING SHALL BE A MINIMUM OF SINGLE LINE STEEL WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SQ. IN. PER FOOT IN EACH DIRECTION.
5. HIGH DENSITY POLYETHYLENE ADJUSTING RINGS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS STARTING ON A SOLID, CLEANED CONE SECTION OF THE INPLACE MANHOLE.
   THE OUTSIDE OF THE ENTIRE RING SECTION SHALL BE SEALED TO THE STRUCTURE WITH A UNI-BAND (RUBBER) SEALING SYSTEM.
6. STEPS, ORIENTED ON THE UPSTREAM SIDE OF THE MH, ARE SPACED 16" O.C. AND SHALL CONFORM TO MnDOT PLATE NO. 4180.
7. MONOLITHIC BASE AND INVERTS SUBJECT TO APPROVAL BY THE ENGINEER. FIELD POURED INVERTS AND/OR SEPARATE BASE SLAB MAY BR REQUIRED IN SOME INSTANCES. INVERT CHANNEL DEPTH SHALL NOT BE LESS THAN 1/2 THE PIPE SIZE.
8. WATER TIGHT SEAL SHALL CONFORM TO MnDOT PLATE NO. 4007.



DROP DETAIL NOTES:

9. 90° DUCTILE IRON PIPE BEND CL. 52 CAST MONOLITHICALLY WITH BOTTOM RISER SECTION.
10. DUCTILE IRON PIPE CL. 52-TO BE USED FOR DROP PIPE AND 20' OUT FROM MH.
11. DROP PIPE TO BE ENCASED WITH CONCRETE UTILIZING FORMWORK OR PRECAST CONCRETE HORSESHOES.

DATE REVISED	PRECAST CONCRETE SANITARY MANHOLE	PLATE NO.
10/23/13		1-04