



**TROUGH SECTION A-A**

**NO. DESCRIPTION:**

1. MANHOLE BASE SECTION.
2. FLEXIBLE COUPLING INSTALLED IN CORED HOLE WITH STAINLESS STEEL COMPRESSION DEVICE.
3. MINIMUM 6" DEPTH OF #57 STONE BASE, SUITABLE BEARING CAPACITY AS APPROVED BY GEOTECHNICAL ENGINEER.
4. 1 INCH PER FOOT FALL (TYP.). THE SHELF SHALL SLOPE 1 INCH PER FOOT (MIN.) FROM THE MANHOLE WALL TO THE TROUGH.
5. STRAIGHT WALL OF MH TO BE LOCATED OVER INFLUENT PIPE (FOR A 4' DIA. MH) AND OVER WIDEST SHELF (FOR 5' DIA. MH).
6. PRECAST CONCRETE (3600 PSI) INVERT/SHELF OR CAST ON SITE.
7. DUCTILE IRON INLET PIPE.
8. OUTLET PIPE.
9. UTILITY CONFLICT.

**NOTES:**

- A. THIS DETAIL SHALL ONLY BE USED WHEN AN INSIDE DROP IS NOT POSSIBLE AND A STEEP SLOPE INVERT IS APPROVED BY THE ENGINEER.
- B. THIS DETAIL SHALL ONLY BE USED DUE TO A UTILITY CONFLICT AND WHEN APPROVED BY THE ENGINEER.
- C. THIS DETAIL SHALL NOT BE USED WHEN THE CHANGE IN INVERT ELEVATION IS 2.5 FT OR GREATER. REFER TO THE INSIDE DROP STANDARD DETAIL.
- D. MANHOLE TO CONFORM WITH ASTM C478 EXCEPT AS MODIFIED. REFER TO MANHOLE STANDARD DETAILS FOR ALL MANHOLE REQUIREMENTS.
- E. THE TROUGH SHALL INCLUDE VERTICAL CURVES AS SHOWN AT THE INLET AND OUTLET PIPES TO PROVIDE LAMINAR WATER FLOW.
- F. INVERTS TO BE PRECAST CONCRETE OR CAST ON SITE.
- G. THE MAXIMUM SHELF DROP ACROSS THE MANHOLE FROM THE INLET PIPE TO THE OUTLET PIPE SHALL BE 5 INCHES.
- H. THIS DETAIL SHALL ONLY BE USED WITH 8 INCH PIPE.