



TROUGH SECTION A-A

NO. DESCRIPTION:

1. EXISTING MANHOLE BASE SECTION.
2. FLEXIBLE COUPLING INSTALLED IN CORED HOLE WITH STAINLESS STEEL COMPRESSION DEVICE.
3. 1 INCH PER FOOT FALL (TYP.). THE SHELF SHALL SLOPE 1 INCH PER FOOT (MIN.) FROM THE MANHOLE WALL TO THE TROUGH.
4. 4", 6", OR 8" DUCTILE IRON LATERAL CONNECTION.
5. NEW INVERT TROUGH CUT INTO EXISTING SHELF.
6. NEW CAST IN PLACE CONCRETE (3600 PSI) SHELF.
7. SIX (6) #3 REBARS, GROUTED (OR EPOXIED) IN EXISTING SHELF, MIN. 6" DEEP DRILLED HOLES. EXTEND REBARS TO WITHIN 2 INCHES OF NEW SHELF SURFACE.
8. 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 GREATER THAN ONE FOOT. 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.