# UTILITY

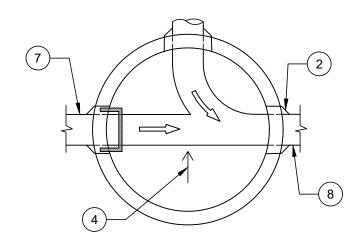
# NO SCALE VERSION

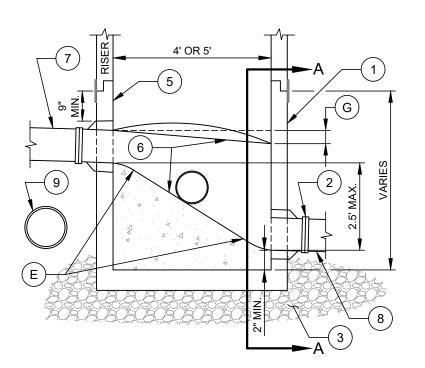
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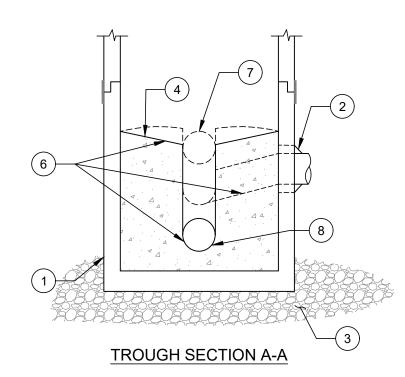
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DATE 04/2024

DETAIL 11.2.15







# **DESCRIPTION:**

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

## NOTES:

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