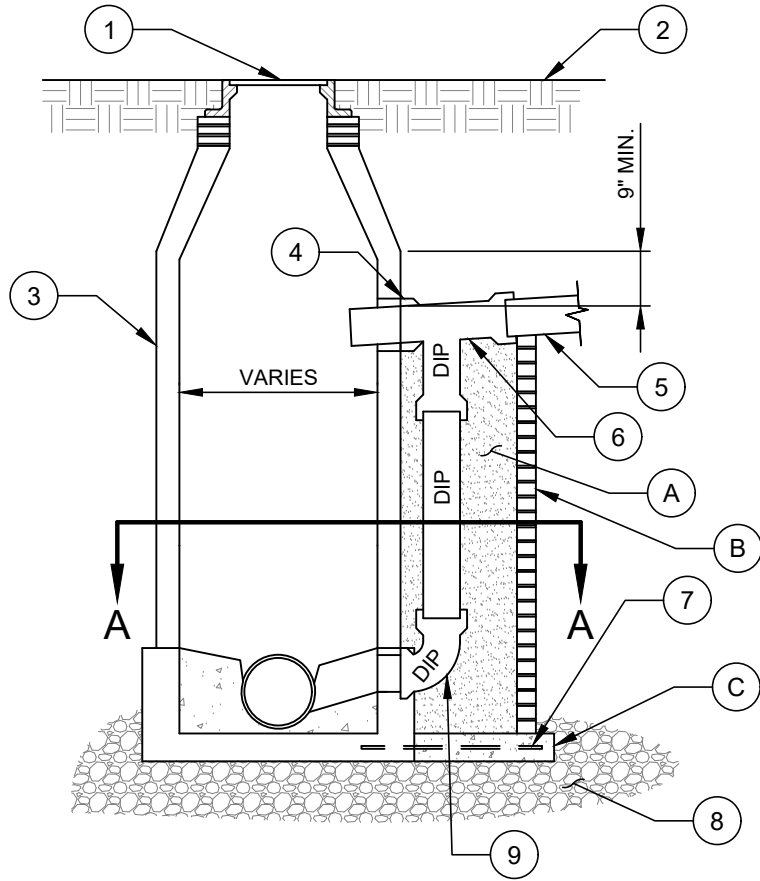
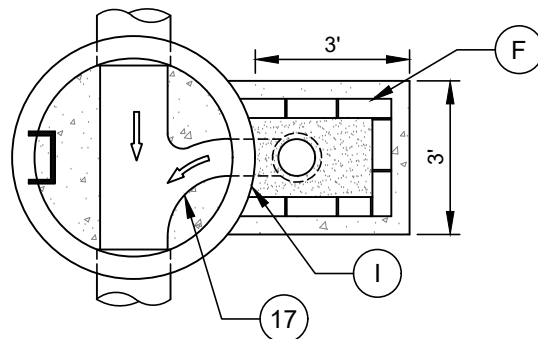
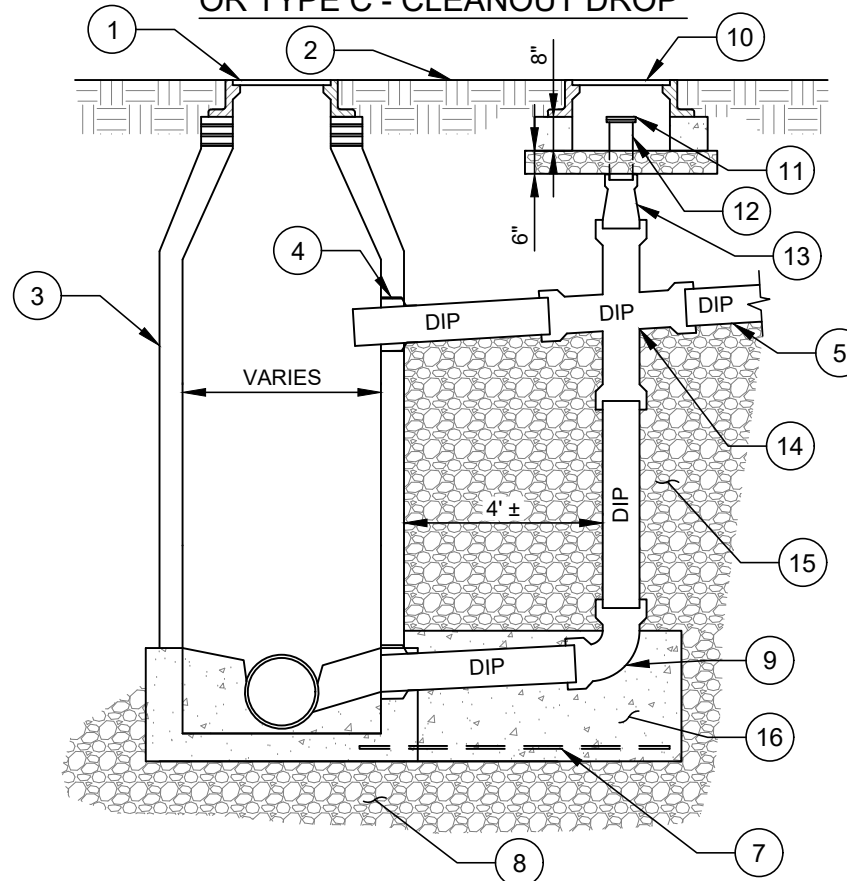


TYPE A - ATTACHED DROP



**TYPE B - DETACHED DROP
OR TYPE C - CLEANOUT DROP**



SECTION A-A

NOTES:

- K. OUTSIDE DROP SHALL NOT ENTER MH IN CONE SECTION.
- L. MATCH DROP INFLUENT CROWN TO CROWN WITH EFFLUENT PIPE.
- M. DROP PIPING SHALL BE ALL DIP PIPE AND FITTINGS. ALL FITTINGS IN THE DETACHED/CLEANOUT DROP BE RJ.
- N. FOR DETACHED DROP, DELETE CLEANOUT AND USE TEE IN LIEU OF CROSS. CLEANOUT DROPS WILL BE SPECIFIED ON CONSTRUCTION PLANS.
- O. MAX DROP HEIGHT SHALL BE 10'.

NO. DESCRIPTION:

1. STANDARD FRAME AND COVER.
2. ASPHALT/GROUND.
3. EXISTING BRICK OR BLOCK MANHOLE.
4. RUBBER MANHOLE/PIPE CONNECTOR BOOT.
5. 18' JOINT DIP (MIN.) OR DIP TO UNDISTURBED GROUND.
6. DUCTILE IRON TEE, ALL MJ BEND.
7. 3 - #6 REBARS.
8. 6 INCH MINIMUM OF #57 STONE BASE, SUITABLE BEARING CAPACITY AS APPROVED BY GEOTECHNICAL ENGINEER.
9. DUCTILE IRON 90° BEND, ALL MJ BELL.
10. 24" STANDARD FRAME AND COVER ON 8" TALL PRECAST CONCRETE GRADE RING AND 6" WASHED #57 STONE.
11. 8" BLIND FLANGE (TYPE 304 S.S. HARDWARE).
12. 8" FL x PE DIP CLEANOUT.
13. 8" REDUCER DUCTILE IRON (OMIT ON 8" MAINS).
14. DUCTILE IRON CROSS OR TEE, ALL MJ BELL, SEE NOTE N.
15. BACKFILL WITH #57 STONE-TYPICAL.
16. 3,600 PSI CONCRETE BLOCKING.
17. RESHAPE INVERT.

NOTES:

- A. VOID TO BE MASONRY FILLED OR WASHED STONE AND FLOWABLE FILL.
- B. PROTECTIVE WALL FOR OUTSIDE DROP SHALL BE A MINIMUM OF 4" MASONRY.
- C. POUR 3' X 3' CONCRETE FOOTING 6" THICK TO SUPPORT DROP STRUCTURE.
- D. ALL MASONRY MORTAR SHALL BE PORTLAND CEMENT 1:3 MIX.
- E. CARE MUST BE TAKEN TO FORM A SMOOTH FINISHED TROUGH FROM ENTRANCE PIPES TO EXIT PIPE, AND IN CURVED MANHOLES THE TROUGH MUST BE A SMOOTH CIRCULAR ARC TANGENT TO THE INSIDE WALLS OF THE PIPES. AT THEIR ENDS.
- F. DROP STRUCTURE MAY BE FORMED AND Poured OF EXCAVATABLE 150 PSI FLOWABLE FILL IN LIEU OF MASONRY.
- G. THE SLOPE OF THE OUTSIDE DROP TROUGH SHALL BE 1/4" PER FOOT.
- H. ALL PIPE OPENINGS TO BE NO GREATER THAN 4" LARGER THAN O.D. OF PIPE.
- I. RAMSET MASONRY TIES EVERY 12" VERTICALLY AND HORIZONTALLY.
- J. THREE EQUALLY SPACED #6 REBARS DOWELED INTO MANHOLE BASE 2" FROM TOP OF SLAB. GROUT INTO 8" DEEP HOLES WITH EXPANSION GROUT.