



NO. DESCRIPTION:

1. MANHOLE - MIN. 5' DIAMETER.
2. SCH 40 PVC VERTICAL STANDPIPE. SEE NOTE A.
3. SCH 40 PVC 90° BEND. SEE NOTE C.
4. 6" MINIMUM OF #57 STONE BASE, SUITABLE BEARING CAPACITY AS APPROVED BY GEOTECHNICAL ENGINEER.
5. RUBBER MANHOLE/PIPE CONNECTOR BOOT. GROUT IN WITH NON SHRINK GROUT.
6. MINIMUM 18" LINEAR FEET DIP OR TO UNDISTURBED SUPPORT SOIL.
7. R = 1/2 O.D. PIPE BARREL.
8. 1/4" X 2" TYPE 304 STAINLESS STEEL STRAP. STRAP SHALL PULL PIPE TIGHT AGAINST THE MANHOLE WALL.
9. 1/2" DIAMETER X 3" TYPE 316 S.S. ALL THREAD ANCHOR W/ S.S. NUT AND WASHER. USE EPOXY IN CLEANED DRILLED HOLE.
10. RESHAPE INVERT.
11. RELINER DROP BOWL (MODEL D8BD DROP BOWL FOR 8" DROP PIPE).
12. RELINER TYPE 304 STAINLESS STEEL PIPE SUPPORT BRACKET @ MAX. 4' SPACING (MIN. OF 2 PER DROP).
13. FLEXIBLE PIPE COUPLING.

NOTES:

- A. DROP PIPE AND FITTING SHALL BE ONE PIPE SIZE LARGER THAN INFLUENT PIPE (IE. 4" INFLUENT PIPE REQUIRES 6" DROP PIPE AND FITTINGS). IF USING ALTERNATE RELINER DROP BOWL DROP PIPE SHALL BE SAME SIZE AS INFLUENT PIPE.
- B. PVC PIPE SHALL BE SCH 40 DWV PER ASTM D2665. PVC FITTINGS SHALL BE SCH 40 DWV MOLDED FITTINGS. PVC PIPE AND FITTINGS SHALL BE SOLVENT WELD.
- C. BEND SHALL BE BELL X BELL AND SHALL REST ON CUT INTO THE BENCH. GROUT BEND INTO THE TROUGH. MATCH CROWNS UNLESS THE PIPE IS THE SAME DIAMETER. IF SAME DIAMETER, THEN A DROP OF 0.2' ACROSS INVERTS SHALL BE PROVIDED.
- D. LOCATE STRAPS AS SHOWN AT PIPE ENDS (MIN. OF 2 PER DROP). ADD ADDITIONAL STRAPS AS NECESSARY TO MAINTAIN MAXIMUM SPACING OF 4'.
- E. HOLE IN MANHOLE WALL SHALL BE MADE USING A CORING MACHINE. INSTALL WATERTIGHT RUBBER MANHOLE PIPE CONNECTOR BOOT.
- F. CORE HOLE SHALL NOT ENTER CONE SECTION, OR PENETRATE MANHOLE JOINTS. PROVIDE A MINIMUM 4" CLEAR.
- G. STEPS SHALL BE RELOCATED IF THEY CONFLICT WITH THE DROP PIPE.
- H. CONE SECTION SHALL BE ROTATED IF NEEDED TO ALIGN STEPS. MAXIMUM OF 2 INSIDE DROPS IN A MANHOLE, UNLESS APPROVED BY CHARLOTTE WATER.
- I. MAXIMUM DROP HEIGHT SHALL BE 10'.
- J. DIP SHALL END AT THE INSIDE FACE OF THE VERTICAL STANDPIPE.
- K. IF USING ALTERNATE RELINER DROP BOWL, MUST USE RELINER PIPE SUPPORT BRACKETS.