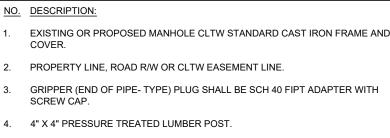
CHARLOTTE WATER A CITY OF CHARLOTTE DEPARTMENT STANDARD DETAILS GRAVITY SEWER

SDR; AND 6" SANITARY 8 MANHOLES - ON 8" 4 D

NO SCALE VERSION

1.0

DATE 04/2024 DETAIL 11.1.5



- 4.
- 5. 4" OR 6" SCH 40 PVC VERTICAL STANDPIPE.
- 6. MANHOLE/PIPE BOOT ON PRECAST MANHOLES AND CONCRETE COLLARS ON BRICK OR BLOCK MANHOLES.
- 4" OR 6" DIP. OR 4" OR 6" SCH 40 SOLID WALL PVC PIPE.
- 8. #57 STONE EMBEDMENT.
- 4" OR 6" SXB 45° BEND (SCH 40 PVC).
- 4" OR 6" PVC PIPE TAILPIECE (SCH 40 PVC LL + 36" MIN.).
- TEST-KAP OR END-CAP TEST CAP BY CHERNE INDUSTRIES OR APPROVED EQUAL. SCH 40 GLUE ON CAP.
- 4" X 4" X 4" OR 6" X 6" X 6" 45° ALL BELL WYE (SCH 40 PVC).
- VALVE BOX ASSEMBLY (TYP.), FOR 6" CLEANOUTS AND CONCRETE PAD. VALVE BOX TO BE REPLACED WITH US FOUNDRY MODEL 7610 COVER, EJ CORP #1570Z. OR APPROVED EQUAL.

NOTES:

- 4' MIN. DIAMETER (5' MIN. DIAMETER FOR INSIDE DROP)
- MINIMUM DEPTH OF COVER AT PROPERTY LINE SHALL BE 4'. UNLESS GREATER DEPTH IS REQUIRED TO SERVE THE BUILDING. MINIMUM DEPTH AT SIDE DITCH SHALL BE 2.5'.
- MATCH CROWNS UNLESS THE LATERAL IS THE SAME DIAMETER AS THE MAIN LINE PIPE. THEN A DROP OF 0.2" BETWEEN INVERTS WILL BE PROVIDED.
- MINIMUM PIPE SLOPES: 4" PIPE IS 1.50% AND 6" PIPE IS 1.25%. MAXIMUM SLOPE FOR ALL PIPE SHALL BE 10%.
- CONCRETE THROUGH TO BE CUT TO DIRECT FLOW FROM PIPE CONNECTION TO EFFLUENT PIPE.
- TRACER WIRE INSTALLED PER CLTW TRACER WIRE DETAIL AS APPLICABLE.
- CUT LETTER "S" IN CURB WHERE PIPE CROSSING UNDER CURB AND PAINT WITH GREEN PAINT. IF NO CURB, PAINT "S" IN PVMT.
- TYPE 3 GRANULAR BEDDING REQUIRED IF GROUNDWATER, ROCK, OR UNSTABLE SOIL IS ENCOUNTERED.
- THIS STANDARD DETAIL IS FOR USE ON DEVELOPER INSTALLED GRAVITY SEWER PROJECTS ONLY.

