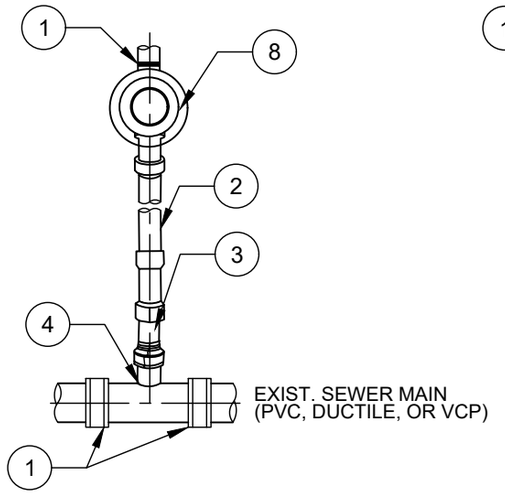
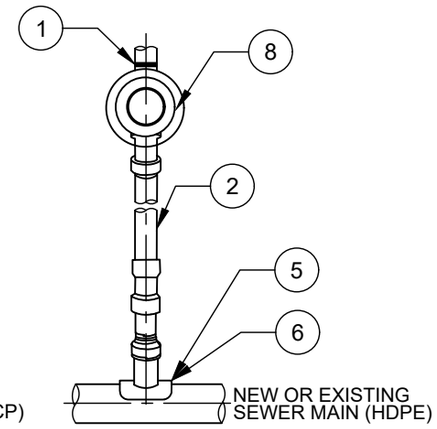
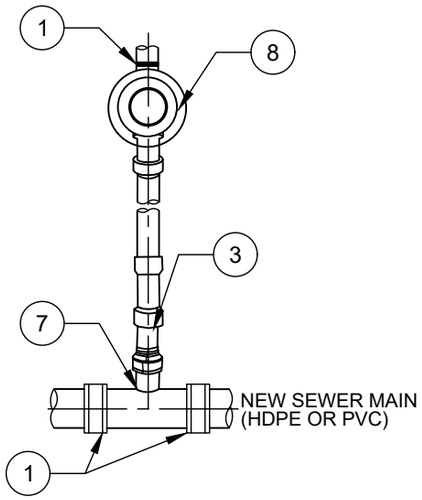


NEW HDPE LATERAL INTO
EXISTING SEWER



NEW HDPE LATERAL INTO
NEW OR EXISTING HDPE SEWER



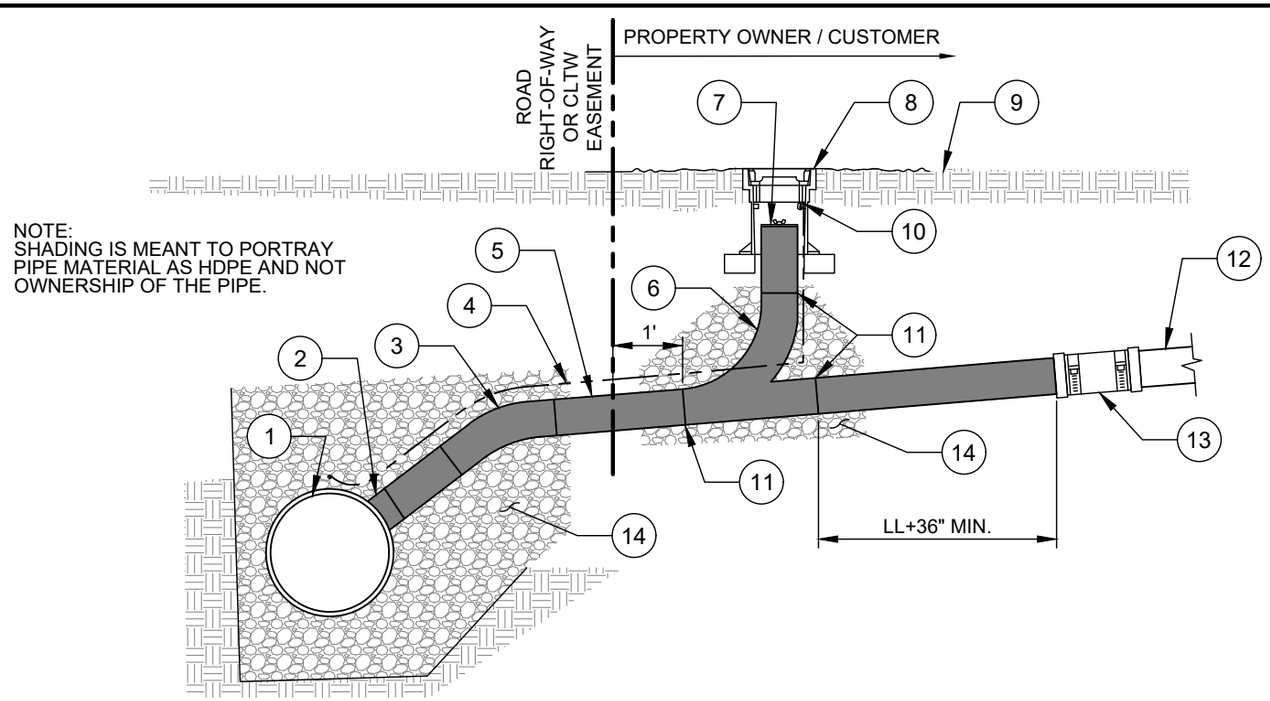
EXISTING LATERAL INTO
NEW HDPE OR PVC SEWER

NO. DESCRIPTION:

1. RUBBER COUPLING.
2. NEW HDPE SEWER LATERAL (DR 17).
3. TRANSITION COUPLING.
4. EPOXY SADDLE.
5. ELECTROFUSION SADDLE.
6. STRAPPED RUBBER SADDLE (PVC HUB, RUBBER SADDLE, AND SS BAND).
7. FABRICATED HDPE TEE.
8. CLEAN OUT.

NOTES:

A. RUBBER COUPLINGS SHALL BE SHIELDED TYPE WITH STAINLESS STEEL SERIES 300 BANDSCREW AND HOUSING WITH SHEAR BAND.
B. RUBBER SADDLES SHALL BE SEALED WITH AN ELASTOMERIC SEALANT. SEE SPECIFICATIONS.
C. CHANGES IN PIPE TYPE AND CONNECTIONS ARE NOTED ON THE DRAWINGS
D. IF ADDITIONAL COUPLINGS ARE NEEDED TO MAKE A CONNECTION, THE CONTRACTOR SHALL USE ELECTROFUSION COUPLINGS
E. ELECTROFUSION SADDLES SHALL CONSIST OF A FUSION SADDLE WITH AN INTEGRAL FUSION COUPLER AT ITS OUTLET.



NO. DESCRIPTION:

1. HDPE SEWER MAIN INSTALLED BY PIPE BURSTING.
2. ELECTROFUSION SADDLE TEE.
3. BEND - 22.5° OR 45°.
4. TRACER WIRE-CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MIL THICK GREEN HDPE INSULATION.
5. HDPE GRAVITY SEWER PIPE - DR17, BUTT FUSED OR ELECTROFUSED.
6. HDPE LONG RADIUS WYE.
7. PLASTIC GRIPPER (END OF PIPE-TYPE) PLUG.
8. CAST IRON SEWER VALVE BOX TOP SECTION AND LID.
9. FINISH GRADE.
10. TRACER WIRE TERMINATION. SEE STANDARD DETAIL.
11. ELECTROFUSION COUPLING OR BUTT FUSION JOINT.
12. CUSTOMER SEWER LATERAL.
13. FLEXIBLE, SHIELDED, COUPLING WITH SHEAR BAND.
14. SEWER MAIN, SADDLE TEE, AND BEND SHALL BE COMPLETELY EMBEDDED WITH #57 WASHED STONE.

NOTES:

A. MINIMUM LATERAL SLOPE SHALL BE 1.0%.
B. BASED ON SITE CONDITIONS, CLTW MAY APPROVE THE CLEANOUT INSIDE THE ROAD RIGHT-OF-WAY.

CHARLOTTE WATER

CHARLOTTE WATER
A CITY OF CHARLOTTE DEPARTMENT
STANDARD DETAILS
SEWER REHAB

4-INCH TO 6-INCH SEWER CLEANOUT AND LATERAL ON HDPE PIPE BY PIPE BURSTING

NO SCALE

VERSION
1.0

DATE
04/2024

DETAIL
16.11