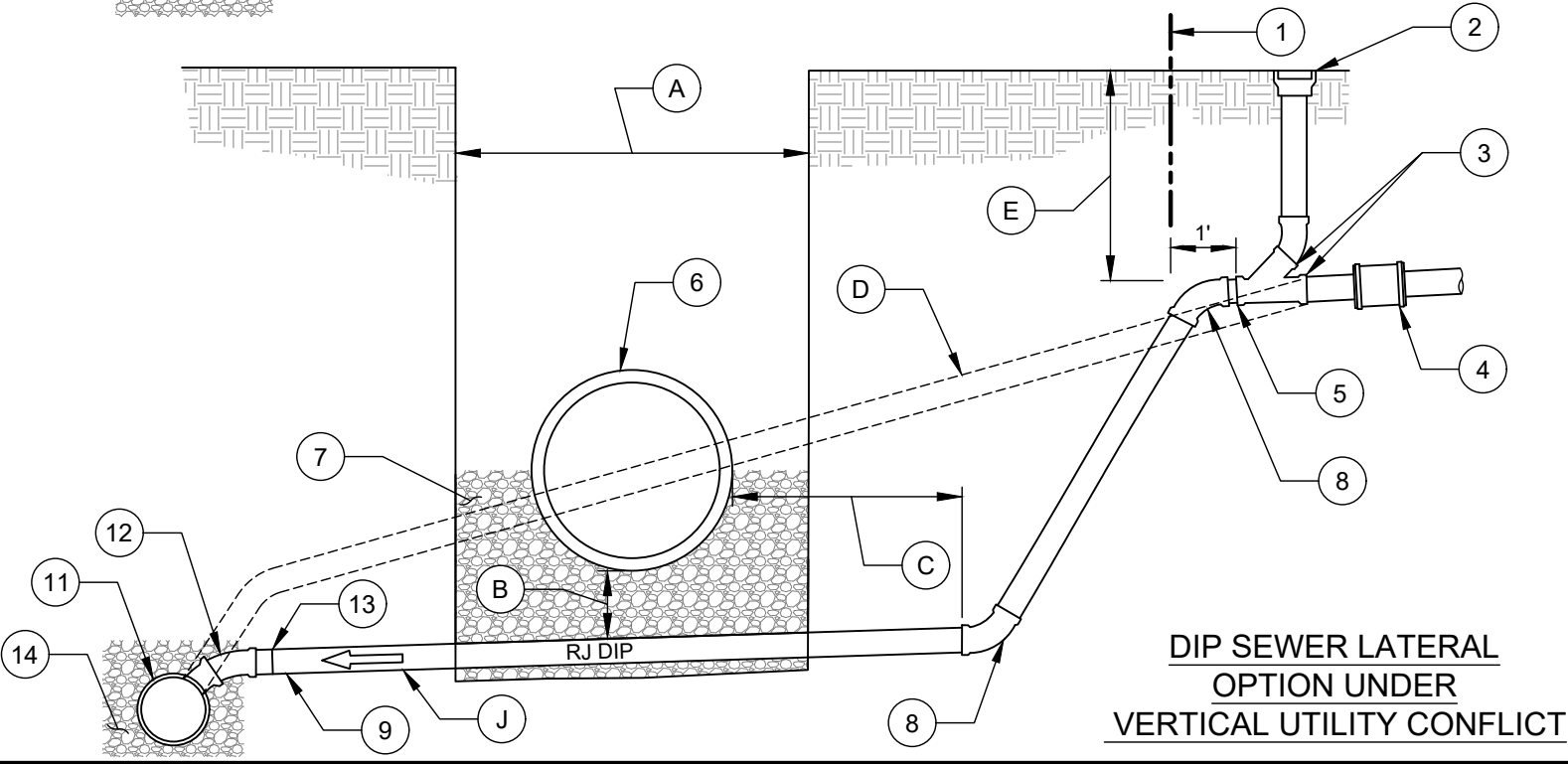


**DIP SEWER LATERAL
OPTION OVER
VERTICAL UTILITY CONFLICT**



**DIP SEWER LATERAL
OPTION UNDER
VERTICAL UTILITY CONFLICT**

NO. DESCRIPTION:

1. PROPERTY LINE, ROAD R/W OR CLTW EASEMENT LINE.
2. CLEAN-OUT (SEE CLTW STD. DETAIL).
3. IPS (SCH 40) TRANSITION GASKET.
4. ADJUSTABLE REPAIR COUPLING.
5. TRANSITION FROM DIP TO C900 DR 18 PVC.
6. NEW UTILITY.
7. TRENCH BACKFILL - TYPE #3 STONE BEDDING UNDER LOWER PIPE. UP TO SPRINGLINE OF UPPER PIPE.
8. DUCTILE IRON BEND (45 OR 22.5 DEGREES). ALL BELL BENDS (TYP.).
9. NEW RJ DIP SEWER LATERAL.
10. DIP TEE.
11. CONVENTIONAL TAP OR TEE.
12. PVC BEND (45° OR 22.5°) (TYP.).
13. TRANSITION FROM PVC TO DIP.
14. BEDDING AND EMBEDMENT (WASHED STONE #57).

NOTES:

- A. TRENCH FOR NEW CONSTRUCTION.
- B. 12" MIN. VERTICAL CLEARANCE BETWEEN PIPES (O.D. TO O.D.). BACKFILL BETWEEN UTILITIES WITH #57 STONE.
- C. BENDS 5' MINIMUM OFF OF UTILITY PIPE.
- D. REMOVE EXISTING SEWER LATERAL.
- E. 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'.
- F. IF NEITHER OF THE OPTIONS SHOWN ARE FEASIBLE, THEN THE ELEVATION OF THE NEW FACILITY WILL NEED TO BE ADJUSTED AS REQUIRED.
- G. CUMULATIVE BENDS FROM TEE TO CLEAN-OUT SHALL NOT EXCEED 90°.
- H. INSTALL BENDS OUTSIDE OF TRENCH FOOTPRINT.
- I. TYPE 3 GRANULAR BEDDING REQUIRED IF GROUNDWATER, ROCK, OR UNSTABLE SOIL IS ENCOUNTERED.
- J. MINIMUM SLOPE SHALL BE 1.5% FOR 4" PIPE AND 1.25% FOR 6" PIPE.