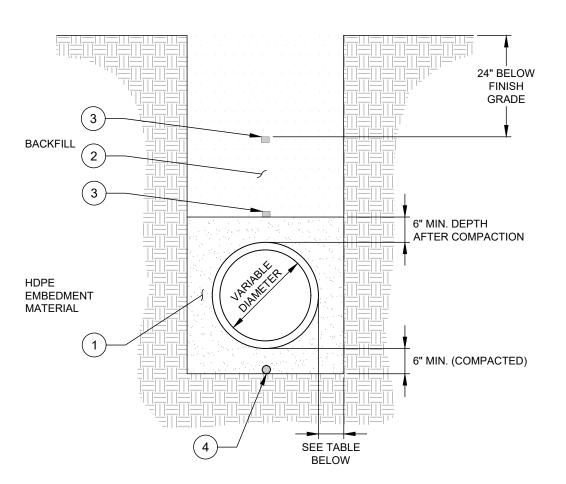
DETAIL 10.13.4



REQUIRED TRENCH WIDTH		
PIPE SIZE (INCHES)	MINIMUM TRENCH WIDTH (INCHES)	MAXIMUM TRENCH WIDTH (INCHES)
<18	PIPE OD + 12	PIPE OD + 30
18 to 23	PIPE OD + 12	PIPE OD + 36
24 to 32	PIPE OD + 24	PIPE OD + 36

MAXIMUM TRENCH WIDTH NOTES:

A. LARGER TRENCH WIDTH ALLOWED TO ACCOMMODATE BUTT FUSION EQUIPMENT AT FUSION LOCATIONS.

NO. DESCRIPTION:

- HDPE EMBEDMENT MATERIAL FINE AGGREGATE #57 WASHED STONE.
- BACKFILL COMPACT BACKFILL PER ASTM D 698 AND AASHTO T-99 AS MODIFIED BY NCDOT TO 95% MAXIMUM DENSITY WITHIN A ROAD RIGHT-OF-WAY. FINAL 12" OF SUBGRADE SHALL BE COMPACTED TO 100%. 85% MAXIMUM DRY DENSITY REQUIRED OUTSIDE ROAD R/W.
- WARNING TAPE 6" WIDE WARNING TAPE INSTALLED DIRECTLY ABOVE HDPE EMBEDMENT MATERIAL AND 24" BELOW FINISH GRADE.
- TRACER WIRE CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS THICK BLUE HDPE INSULATION AT THE BOTTOM OF THE EMBEDMENT LAYER. DO NOT ATTACH TRACER WIRE TO PIPE.

NOTES:

- WHERE PIPE IS INSTALLED DEEPER THAN 15', INSTALL ADDITIONAL TRACER WIRE AT A DEPTH OF 4' BELOW FINISH GRADE.
- EMBEDMENT SHOULD BE PLACED IN LIFTS, NOT EXCEEDING 6" IN THICKNESS, AND THEN TAMPED. TAMPING SHOULD BE ACCOMPLISHED WITH A MECHANICAL TAMPER.
- A MAXIMUM OF 100' OF OPEN TRENCH WILL BE ALLOWED AT ANY TIME, UNLESS APPROVED BY THE ENGINEER.
- PERFORM CONDUCTIVITY TEST ON THE TRACER WIRE AT FINAL INSPECTION. CONTRACTOR TO TEST ON A DAILY BASIS.