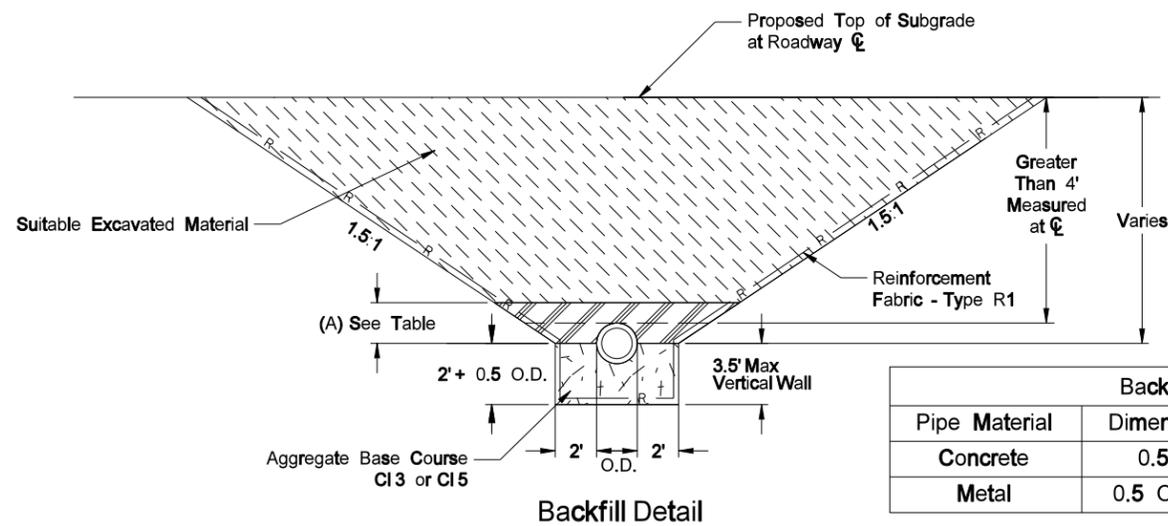
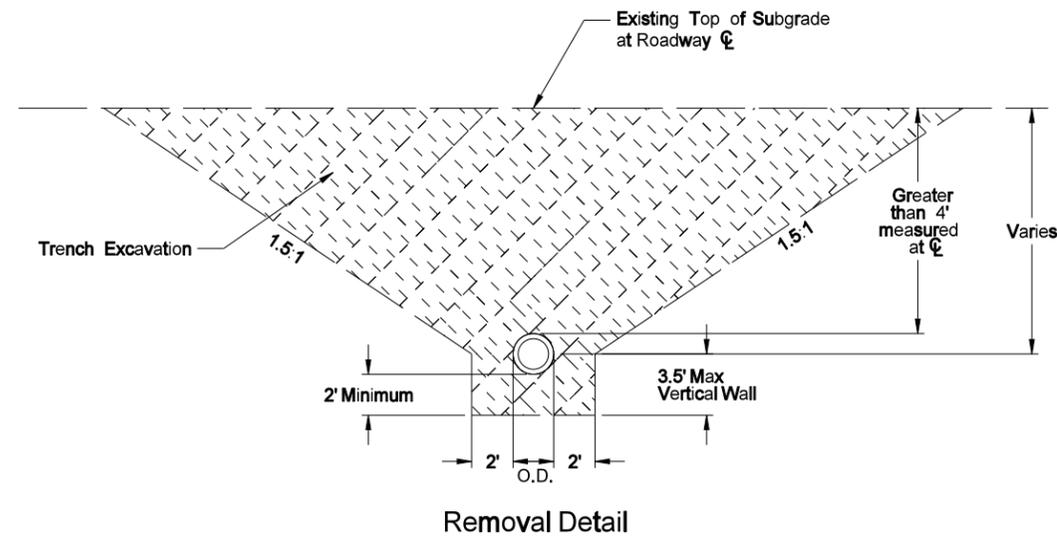


**BACKFILL FOR STRUCTURAL PLATE PIPES  
MORE THAN 4 FEET BELOW THE PROPOSED BASE**



Backfill Requirements		
Pipe Material	Dimension (A)	Backfill
Concrete	0.5 O.D.	Approved Backfill (Note 2)
Metal	0.5 O.D. + 1'	CI3 or CI5

**Included in Pipe Pay Item**

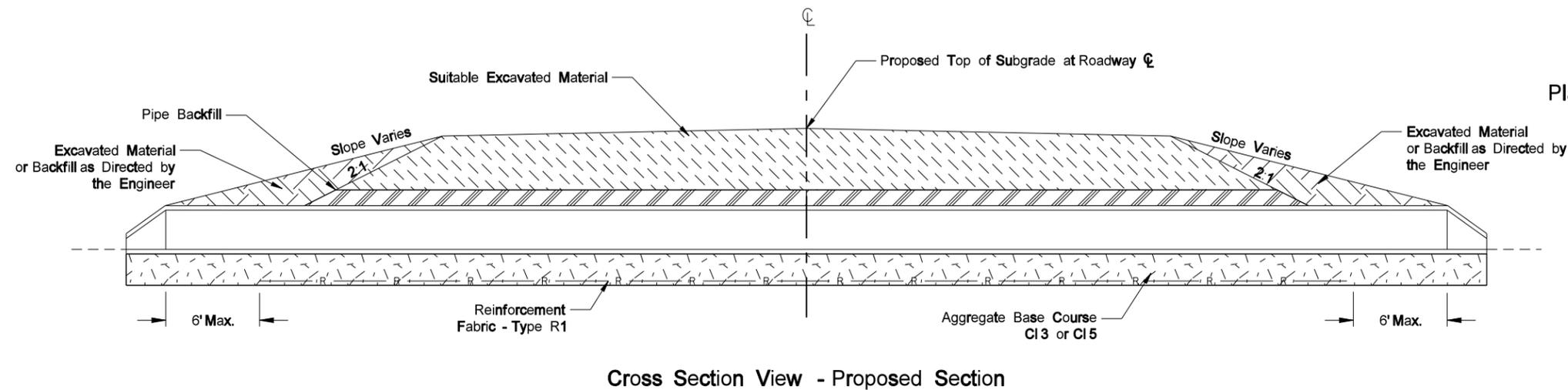
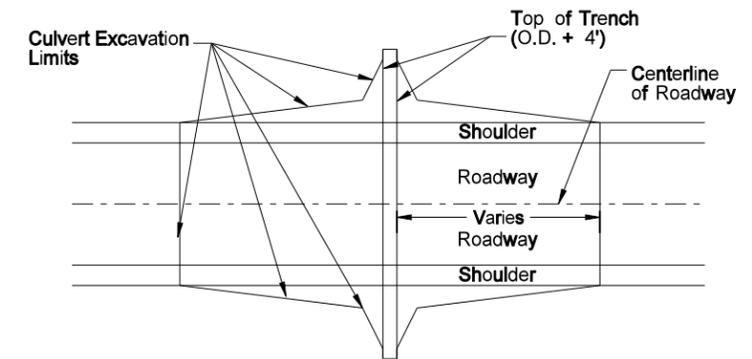
- 1) Pipe
- 2) Trench excavation
- 3) Disposal of unsuitable excavated material and placement of suitable excavated material on inslope
- 4) Backfill of suitable excavated material
- 5) Aggregate Base Course CI3 or CI5

**Pay Items**

- 1) Pipe
- 2) Reinforcement Fabric - Type R1
- 3) Surfacing Removal

**NOTES:**

1. This drawing corresponds to new/replaced mainline and paved intersection roadways (including ramps). It does not include pipes in approaches.
2. Approved backfill shall meet the requirements of AASHTO M 145 for A-1, A-2 or A-3 soils.
3. Compaction requirements for all materials associated with the trench installation shall meet 90% of AASHTO T-180. Maximum thickness of any one lift shall not exceed 6 inches.



NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
12-19-08	
REVISIONS	
DATE	CHANGE

This document was originally issued and sealed by Terrence R. Udland, Registration Number PE- 2674 , on 12/19/2008 and the original document is stored at the North Dakota Department of Transportation