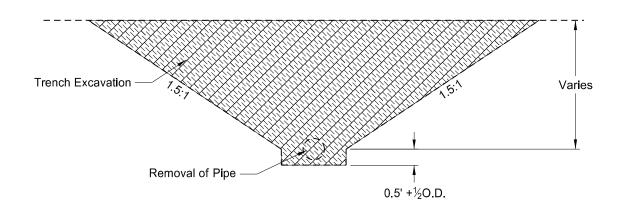
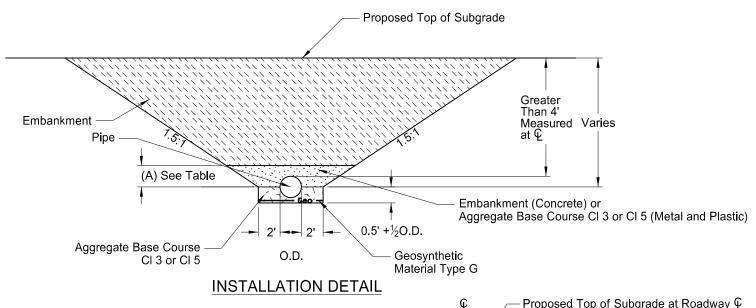
## TRANSVERSE MAINLINE PIPE INSTALLATION DETAIL PIPES MORE THAN 4 FEET BELOW TOP OF SUBGRADE



## **EXCAVATION DETAIL**



Pav	/ Ite	m

- 1) Pipe\*
- 2) Geosynthetic Material Type G3) Removal of Pipe (if required)

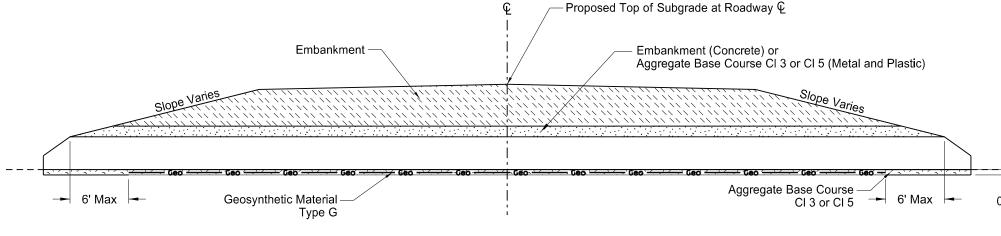
## \*Included in Pipe Pay Item 1) Pipe

- 2) Trench excavation
  3) Aggregate Base Course Cl 3 or Cl 5
  4) Embankment

## NOTES:

- This drawing applies to new/replaced mainline and paved intersection roadways (including ramps). It does not include pipes in approaches.
- 2) Embankment may be either Borrow Excavation or Common Excavation - Type A.

Backfill Di	Backfill Dimensions		
Pipe Materials	Dimension (A)		
Concrete	0.5 O.D.		
Metal and Plastic	0.5 O.D. + 1 Foot		



**CROSS SECTION** 

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION 7-26-13			PROFES
		7-26-13	S SKO! =0
		REVISIONS	
	DATE	CHANGE	MATTHE
	10-15-13 1-21-14 9-18-15 12-10-15 5-27-20	Label Formatting Nomenclature Title Rewording Added Plastic Pipe Replaced R1 Fabric with Geogrid Changed bedding depth	KURL 99 PE-87 DATE 1/05/27