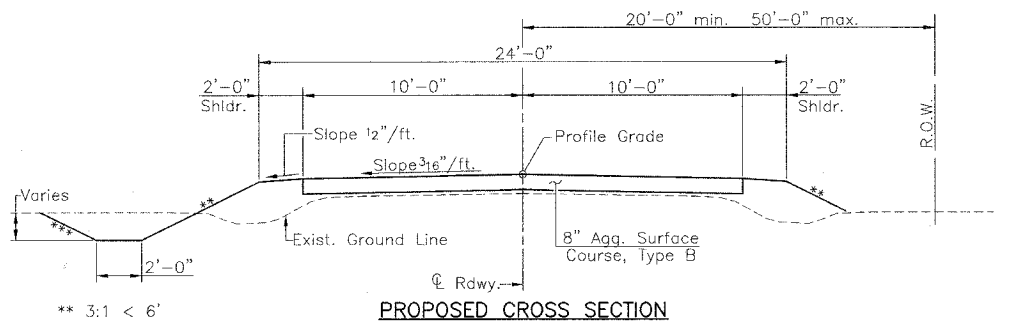


RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R.140	*	SHELBY	10	2

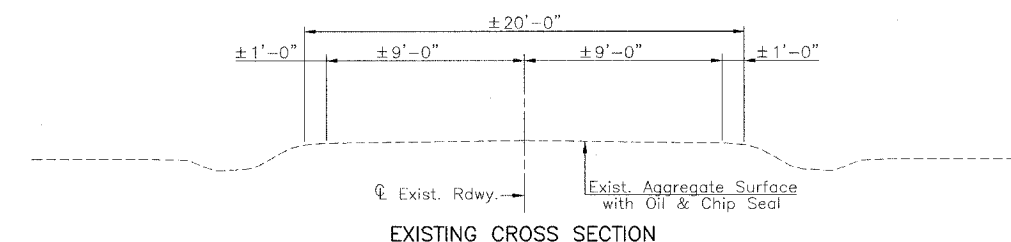
PROJECT BROS-173(150)

\* 05-09119-00-BR



PROPOSED CROSS SECTION

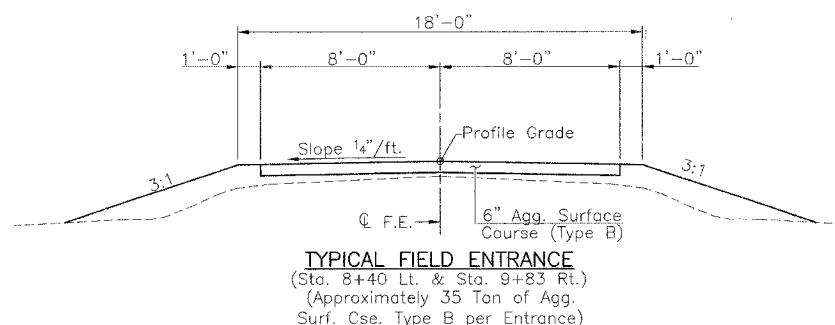
\*\* 3:1 < 6'  
\*\*\* 3:1 < 10'  
2:1 ≥ 10'



EXISTING CROSS SECTION

**EARTHWORK SCHEDULE**

Location	Earth Excavation	Earth Excavation Adjusted For Shrinkage	Embankment	Earthwork Balance Waste (+) or Shortage (-)
	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
Sta. 6+00 to Sta. 7+00	43	32	96	-64
Sta. 7+00 to Sta. 8+00	31	23	311	-288
Sta. 8+00 to Sta. 8+96.5	18	13	450	-437
Bridge Omission—Sta. 8+96.5 to Sta. 9+62.5	—	—	—	—
Sta. 9+62.5 to Sta. 10+00	93	70	212	-142
Sta. 10+00 to Sta. 11+00	170	128	354	-226
Sta. 11+00 to Sta. 12+00	52	39	143	-104
Sta. 12+00 to Sta. 12+60	16	12	4	+8
Total	423	317	1570	-1253



TYPICAL FIELD ENTRANCE  
(Sta. 8+40 Lt. & Sta. 9+83 Rt.)  
(Approximately 35 Ton of Agg. Surf. Cse. Type B per Entrance)

**SUMMARY OF QUANTITIES**

Code No.	Item	Unit	Quantity
20100110	Tree Removal (6 to 15 Units Diameter)	Unit	25
20200100	Earth Excavation	Cu. Yd.	423
20300100	Channel Excavation	Cu. Yd.	311
20400800	Furnished Excavation	Cu. Yd.	1253
* 25000200	Seeding, Class 2	Acre	0.8
25000400	Nitrogen Fertilizer Nutrient	Pound	72
25000500	Phosphorus Fertilizer Nutrient	Pound	72
25000600	Potassium Fertilizer Nutrient	Pound	72
* 25100115	Mulch, Method 2	Acre	0.8
* 28000250	Temporary Erosion Control Seeding	Pound	100
28000300	Temporary Ditch Checks	Each	2
* 28000500	Inlet and Pipe Protection	Each	2
* 28100207	Stone Riprap, Class A4	Ton	440
* 28102600	Stone Riprap Ditch	Ton	118
28200200	Filter Fabric	Sq. Yd.	756
* 40200800	Aggregate Surface Course, Type B	Ton	658
50100100	Removal of Existing Structures	Each	1
50200100	Structure Excavation	Cu. Yd.	70
50300225	Concrete Structures	Cu. Yd.	24.2
50300280	Concrete Encasement	Cu. Yd.	2.2
50400505	Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1552
50800105	Reinforcement Bars	Pound	2510
50900205	Steel Railing, Type S1	Foot	132
51201400	Furnishing Steel Piles HP10x42	Foot	234
51202305	Driving Piles	Foot	234
51203400	Test Pile Steel HP10x42	Each	2
51500100	Name Plates	Each	1
* 542D0223	Pipe Culverts, Class D, Type 1 18"	Foot	42
* 542D0235	Pipe Culverts, Class D, Type 1 30"	Foot	56
67100100	Mobilization	L. Sum	1
78201000	Terminal Marker - Direct Applied	Each	4

\* See Special Provisions

Construction Type Code: X080

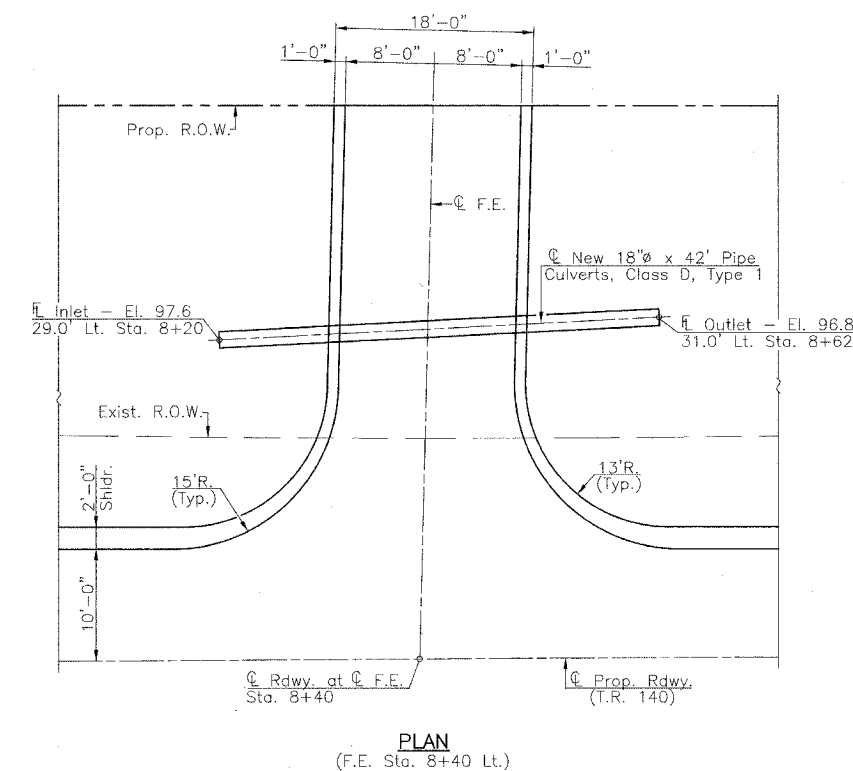
**GENERAL NOTES**

Where section or subsection stones are encountered, the Engineer shall be notified before such stones are removed. The contractor shall protect and preserve all property markers and monuments until the owner, authorized surveyor, or agent has witnessed or referenced their location.

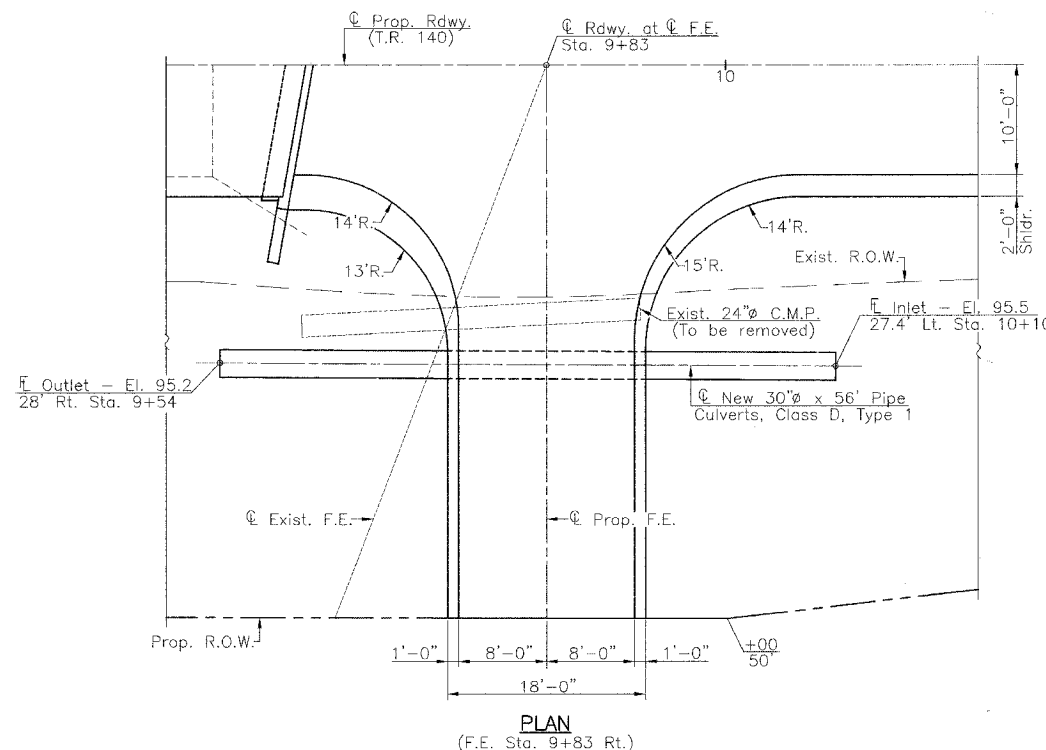
Seeding: Fertilizer nutrients shall be applied at a ratio of 1:1:1 and at a rate of 90 pounds per acre for each nutrient.

Mulch shall be applied at the rate of 2 tons per acre.

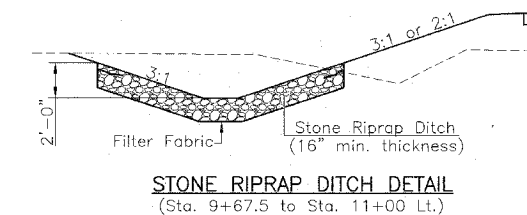
Areas to be seeded shall consist of all disturbed earth surfaces within the right-of-way as directed by the Engineer.



PLAN  
(F.E. Sta. 8+40 Lt.)



PLAN  
(F.E. Sta. 9+83 Rt.)



STONE RIPRAP DITCH DETAIL  
(Sta. 9+67.5 to Sta. 11+00 Lt.)

SUMMARY OF QUANTITIES  
DETAILS AND TYPICAL SECTIONS  
T.R. 140 OVER MITCHELL CREEK  
SECTION 05-09119-00-BR  
SHELBY COUNTY