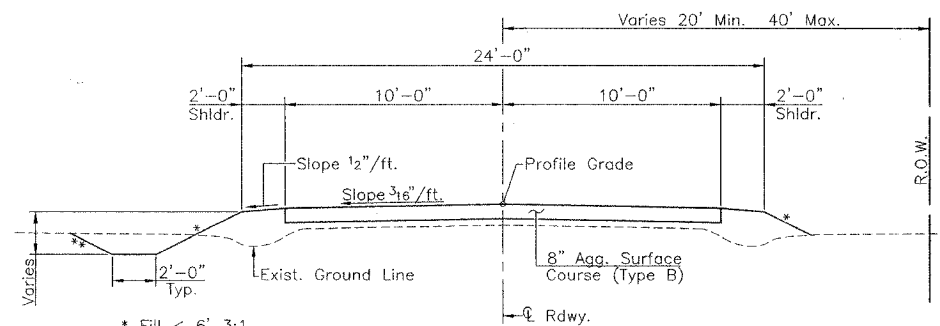


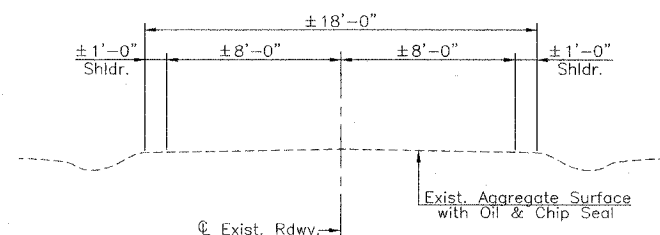
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 112	*	SHELBY	9	2
PROJECT				

* 02-19114-00-BR



PROPOSED CROSS SECTION

* Fill < 6' 3:1
 Fill > 6' 2:1
 ** Fill < 10' 3:1
 Fill > 10' 2:1



EXISTING CROSS SECTION

EARTHWORK SCHEDULE

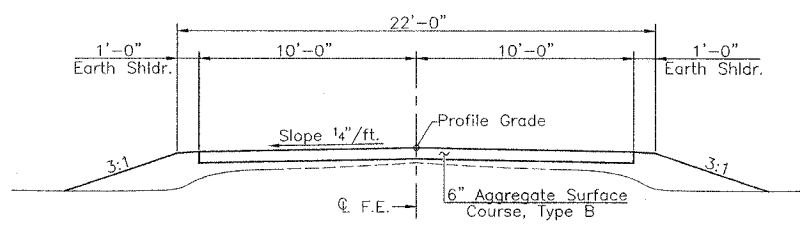
Location	Earth Excavation	Earth Excavation Adjusted For Shrinkage	Embankment	Earthwork Balance Waste (+) or Shortage (-)
	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
Sta. 8+00 to Sta. 9+00	76	57	52	+5
Sta. 9+00 to Sta. 9+50	55	41	54	-13
Sta. 9+50 to Sta. 10+00	48	36	78	-42
Sta. 10+00 to Sta. 10+01.50	1	1	3	-2
Bridge Omission - Sta. 10+01.50 to Sta. 10+59.00				
Sta. 10+59.00 to Sta. 11+00	14	11	30	-19
Sta. 11+00 to Sta. 12+00	44	33	97	-64
Sta. 12+00 to Sta. 12+65	31	23	36	-13
Total	269	202	350	-148

SUMMARY OF QUANTITIES

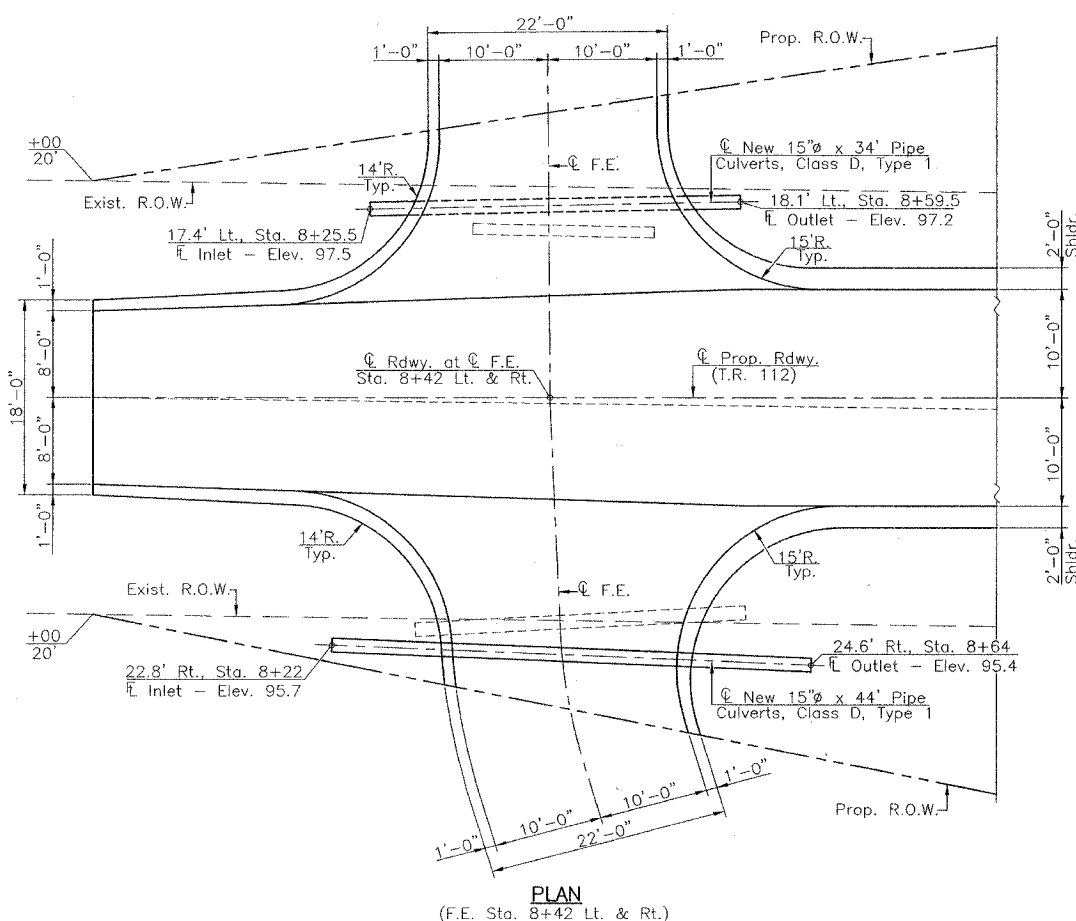
X081-2A

Item	Unit	Quantity
20100110	Tree Removal (6 to 15 Units Diameter)	Unit 64
20100210	Tree Removal (Over 15 Units Diameter)	Unit 18
20200100	Earth Excavation	Cu. Yd. 269
20300100	Channel Excavation	Cu. Yd. 219
* 20400800	Furnished Excavation	Cu. Yd. 148
* 25000200	Seeding Class 2	Acre 0.5
25000400	Nitrogen Fertilizer Nutrient	Pound 45
25000500	Phosphorus Fertilizer Nutrient	Pound 45
25000600	Potassium Fertilizer Nutrient	Pound 45
* 25100115	Mulch, Method 2	Acre 0.5
28000250	Temporary Erosion Control Seeding	Pound 100
28000300	Temporary Ditch Checks	Each 4
28100207	Stone Riprap, Class A4	Ton 303
28200200	Filter Fabric	Sq. Yd. 488
* 40200800	Aggregate Surface Course, Type B	Ton 457
* 50100100	Removal of Existing Structures	Each 1
50200100	Structure Excavation	Cu. Yd. 138
50300225	Concrete Structures	Cu. Yd. 28.1
50400505	Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft. 1346
50800105	Reinforcement Bars	Pound 2665
50900205	Steel Railing, Type S1	Foot 115
51201400	Furnishing Steel Piles HP10x42	Foot 210
51202700	Driving Steel Piles	Foot 210
51203400	Test Piles, Steel HP10x42	Each 1
51204315	Concrete Encasement	Cu. Yd. 2.2
51500100	Name Plates	Each 1
54200220	Pipe Culverts, Class D, Type 1 15"	Foot 114
* 67100100	Mobilization	L. Sum 1
78201000	Terminal Marker - Direct Applied	Each 4

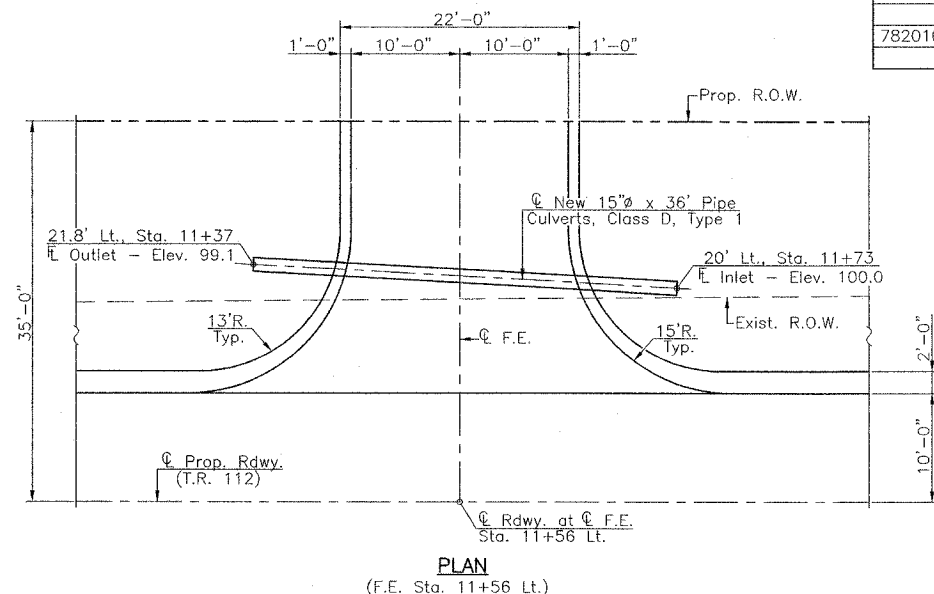
* See Special Provisions



TYPICAL FIELD ENTRANCE
 (Sta. 8+42 Lt. & Rt. & Sta. 11+56 Lt.)



PLAN
 (F.E. Sta. 8+42 Lt. & Rt.)



PLAN
 (F.E. Sta. 11+56 Lt.)

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

SUMMARY OF QUANTITIES
 DETAILS & TYPICAL SECTIONS
 T.R. 112 OVER MUD CREEK
 SECTION 02-19114-00-BR
 SHELBY COUNTY