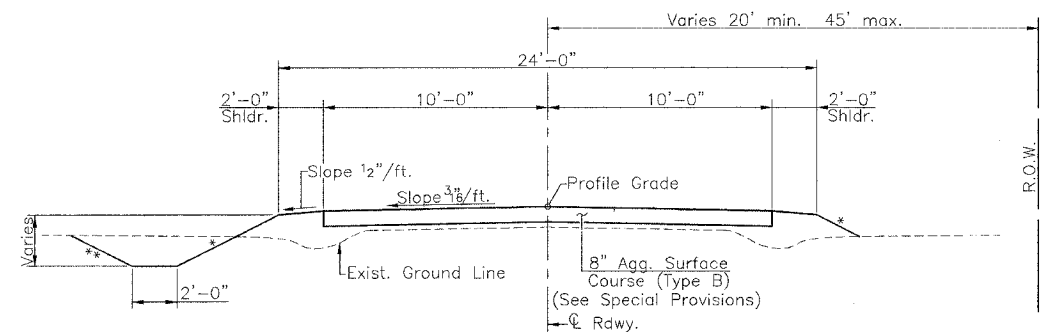


RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 173	*	SHELBY	11	2

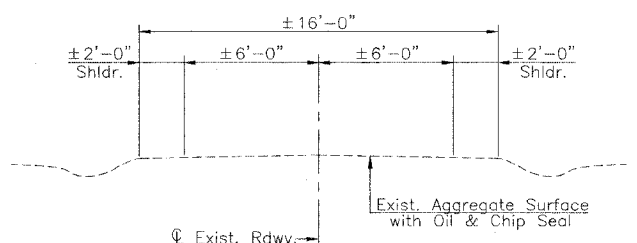
PROJECT BROS-173(144)

* 01-18116-00-BR

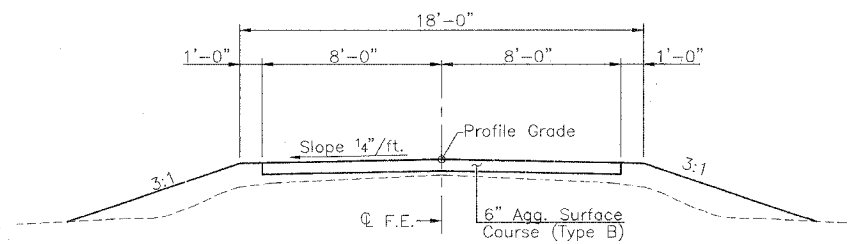


PROPOSED CROSS SECTION

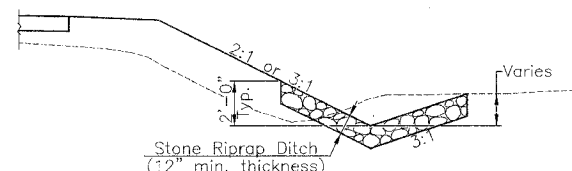
- * Fill $\le 6'$ 3:1
- >6' 2:1
- ** Fill $\le 10'$ 3:1
- >10' 2:1



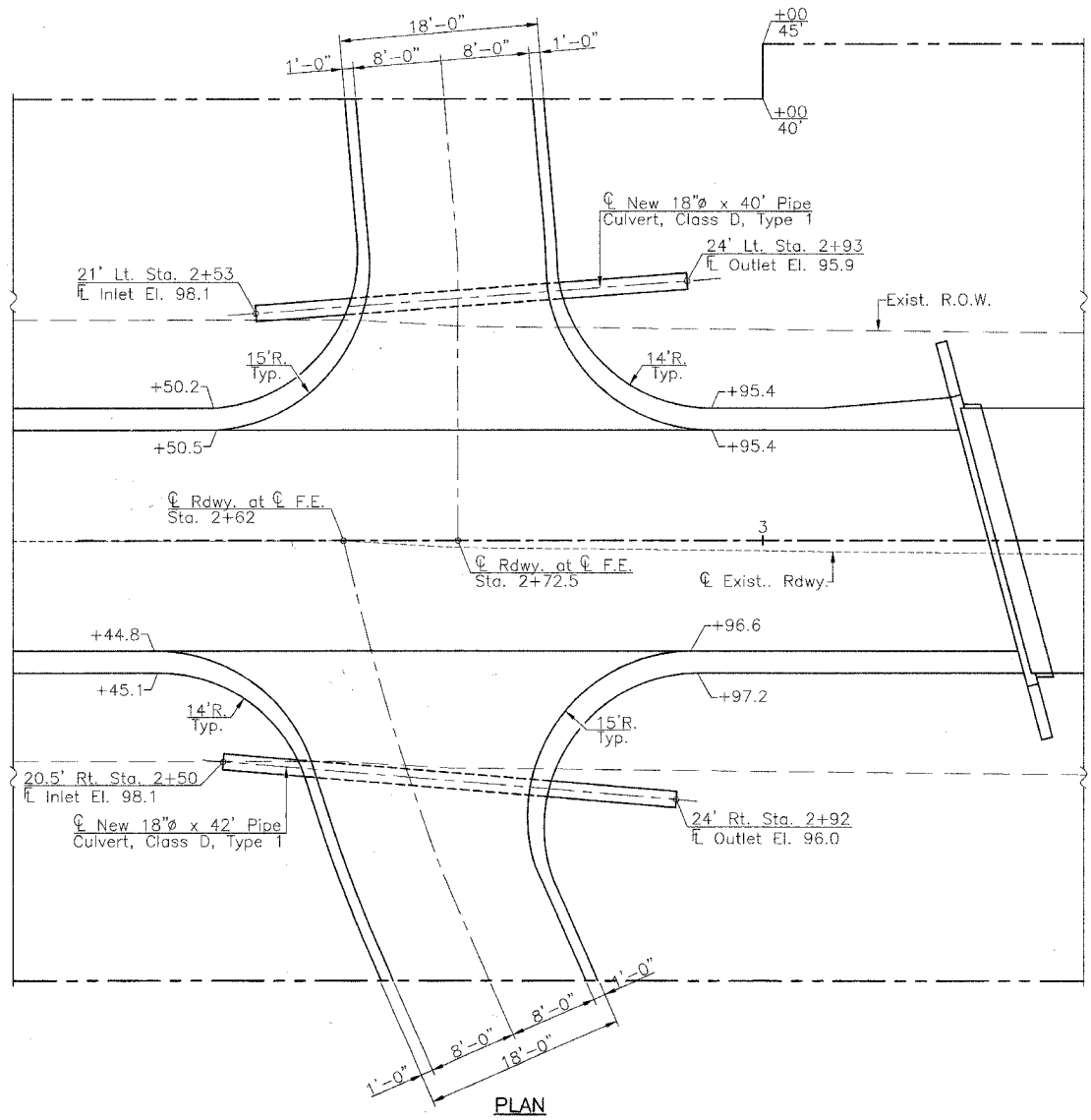
EXISTING CROSS SECTION



TYPICAL FIELD ENTRANCE
(Sta. 2+62 Rt. & Sta. 2+72.5 Lt.)
(Approximately 12 Ton of Agg. Surf. Cse. Type B per Entrance)



STONE RIPRAP DITCH DETAIL
(Sta. 1+80 to Sta. 3+16 Lt. & Sta. 1+80 to Sta. 3+25 Rt.)



PLAN

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 the 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.

SUMMARY OF QUANTITIES

Item	Unit	Quantity
20100110	Tree Removal (6 to 15 Units Diameter)	38
20100210	Tree Removal (Over 15 Units Diameter)	48
20200100	Earth Excavation	Cu. Yd. 697
20300100	Channel Excavation	Cu. Yd. 1229
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
28000250	Temporary Erosion Control Seeding	Pound 100
25100115	Mulch, Method 2	Acre 0.5
28000300	Temporary Ditch Checks	Each 4
28000500	Inlet and Pipe Protection	Each 2
28100807	Stone Dumped Riprap, Class A4	Ton 43
28102600	Stone Riprap Ditch	Ton 189
28200200	Filter Fabric	Sq. Yd. 594
40200800	Aggregate Surface Course, Type B	Ton 412
50100100	Removal of Existing Structures	Each 1
50200100	Structure Excavation	Cu. Yd. 14
50300225	Concrete Structures	Cu. Yd. 88.9
50400405	Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft. 2555
50800105	Reinforcement Bars	Pound 7015
50900205	Steel Railing, Type S1	Foot 216
51201400	Furnishing Steel Piles HP10x42	Foot 487
51202305	Driving Piles	Foot 487
51203400	Test Pile, Steel HP10x42	Each 4
50300280	Concrete Encasement	Cu. Yd. 2.2
51500100	Name Plates	Each 1
54200223	Pipe Culverts, Class D, Type 1 18"	Foot 82
67100100	Mobilization	L. Sum 1
78201000	Terminal Marker - Direct Applied	Each 4
X5020501	Underwater Structure Excavation Protection - Location 1	Each 1
X5020502	Underwater Structure Excavation Protection - Location 2	Each 1

* See Special Provisions Construction Type Code: X080-2A

EARTHWORK SCHEDULE

Location	Earth Excavation	Earth Excavation Adjusted For Shrinkage	Embankment	Earthwork Balance Waste (+) or Shortage (-)
Sta. 1+80 to Sta. 2+00	14	10	1	+9
Sta. 2+00 to Sta. 3+00	289	217	27	+190
Sta. 3+00 to Sta. 3+20.5	90	68	2	+66
Bridge Omission - Sta. 3+20.5 to Sta. 4+28.5				
Sta. 4+28.5 to Sta. 5+00	163	122	102	+20
Sta. 5+00 to Sta. 6+00	93	70	63	+7
Sta. 6+00 to Sta. 7+00	46	35	9	+26
Sta. 7+00 to Sta. 7+05	2	1	1	0
Total	697	523	422	+318****

**** No Furnished Excavation will be required. Cost to dispose of Excess Channel, Earth or Structure Excavation shall be included in the contract unit price for Earth Excavation.

SUMMARY OF QUANTITIES
DETAILS & TYPICAL SECTIONS
T.R. 173 OVER MUD CREEK
SECTION 01-18116-00-BR
SHELBY COUNTY

FILE NAME: SC173SD (REV. 5/15/06)