

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 320	*	SHELBY	15	2

PROJECT BROS-173(149)

* 03-15127-00-BR

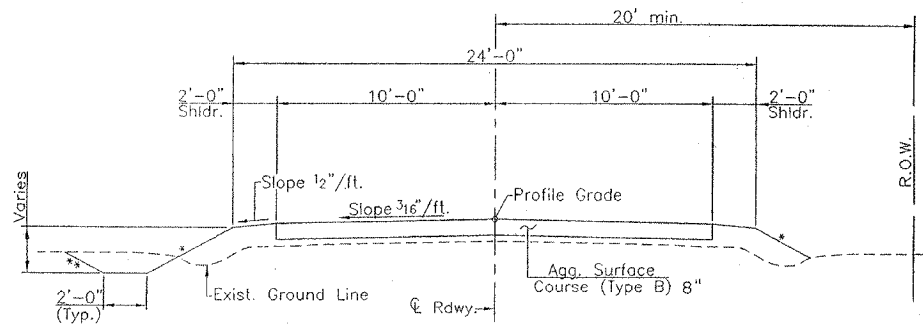
SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	1.2
20200100	EARTH EXCAVATION	CU YD	1161
20300100	CHANNEL EXCAVATION	CU YD	172
20400800	FURNISHED EXCAVATION	CU YD	158
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	200
28000300	TEMPORARY DITCH CHECKS	EACH	6
28000500	INLET AND PIPE PROTECTION	EACH	1.0
28100207	STONE RIPRAP, CLASS A4	TON	199
28102600	STONE RIPRAP DITCH	TON	193
28200200	FILTER FABRIC	SQ YD	285
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	880
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50200100	STRUCTURE EXCAVATION	CU YD	39
50300225	CONCRETE STRUCTURES	CU YD	18.2
50300280	CONCRETE ENCASEMENT	CU YD	2.1
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1440
50800105	REINFORCEMENT BARS	POUND	2300
50900205	STEEL RAILING, TYPE S1	FOOT	120
51201400	FURNISHING STEEL PILES HP 10X42	FOOT	175
51202305	DRIVING PILES	FOOT	175
51203400	TEST PILE STEEL HP 10X42	EACH	1.0
51500100	NAME PLATES	EACH	1.0
542D0220	PIPE CULVERTS, CLASS D, TYPE1 15"	FOOT	128
542D0223	PIPE CULVERTS, CLASS D, TYPE1 18"	FOOT	84
67100100	MOBILIZATION	L SUM	1.0
78201000	TERMINAL MARKER- DIRECT APPLIED	EACH	4.0

EARTHWORK SCHEDULE

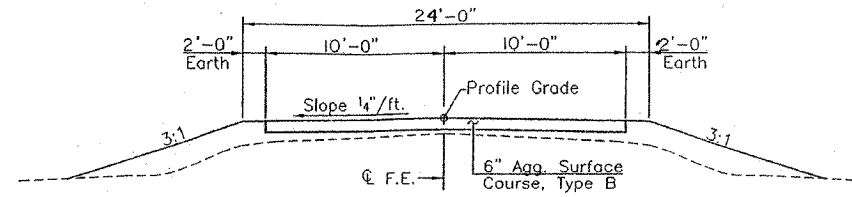
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
STA. 14+00 - STA. 15+00	96.3	72.2	16.7	+55.5
STA. 15+00 - STA. 16+00	292.6	219.5	31.5	+188.0
STA. 16+00 - STA. 17+00	403.7	302.8	0	+302.8
STA. 17+00 - STA. 18+00	185.2	138.9	184.7	+45.8
STA. 18+00 - STA. 18+09	0	0	23.0	-23.0
STA. 18+70 - STA. 19+00	18.9	14.2	149.0	-134.8
STA. 19+00 - STA. 20+00	61.1	45.8	324.1	-278.3
STA. 20+00 - STA. 21+00	40.7	30.5	203.7	-173.2
STA. 21+00 - STA. 22+00	38.9	29.2	75.9	-46.7
STA. 22+00 - STA. 22+50	23.1	17.3	19.4	-2.1
Total	1160.5	870.4	1028.0	-157.6

Embarkment required for entrances is included in embarkment quantity.
Channel Excavation not included as suitable for use as embarkment.
The cost of disposal of Channel Excavation shall be included in the contract unit price for Earth Excavation.

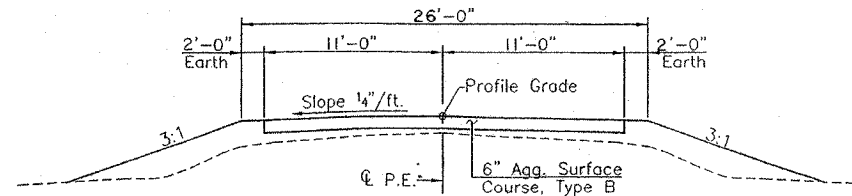


PROPOSED ROADWAY CROSS SECTION

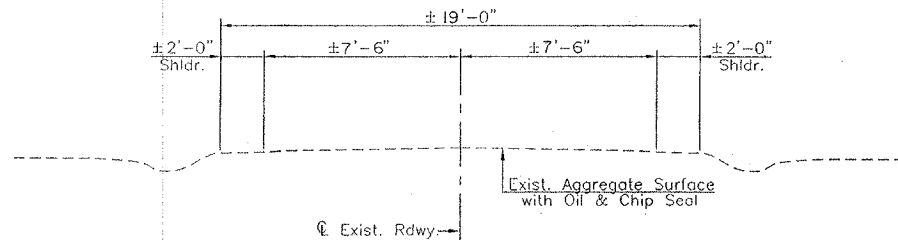
* 3:1
** 3:1 Fill <10'
2:1 Fill >10'



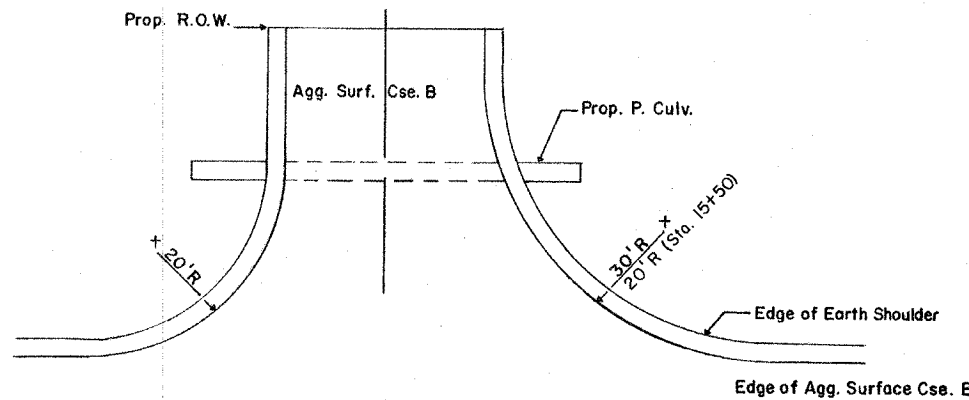
TYPICAL FIELD ENTRANCE
(Sta. 14+82 Rt.)
(Sta. 18+96 Lt.)



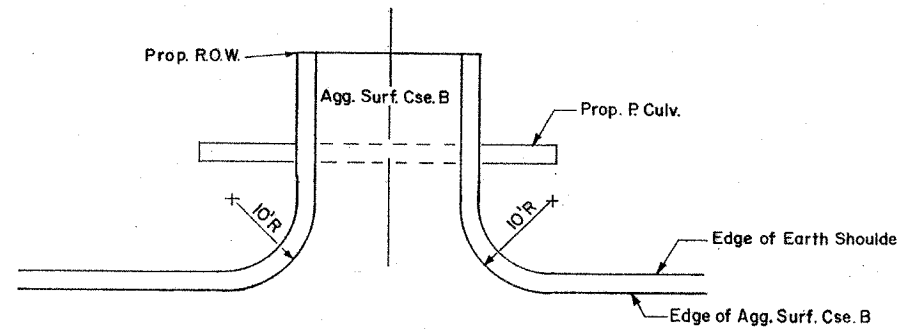
TYPICAL PRIVATE ENTRANCE
(Sta. 17+81 Rt.)
(Sta. 15+50 Lt.)



EXISTING ROADWAY CROSS SECTION



Plan
(Private Entrance Sta. 17+81 Rt. & Sta. 15+50)



Plan
(Field Entrance Sta. 14+82 Rt. & 18+96 Lt.)

SUMMARY OF QUANTITIES
DETAILS & TYPICAL SECTIONS
TR 320 OVER BRUSH CREEK
SECTION 03-15127-00-BR
SHELBY COUNTY