

GRADING REPORT

COMPUTED BY: Louna Koeut
 CHECKED BY: Aaron Hays
 FEDERAL PROJECT NO: BR-STP-33(126)
 ROUTE NO. OR STREET: SR-33

SHEET 1 OF 9
 STATE NO.: 13004-3216-94
 PIN: 124242.00
 COUNTY: Claiborne

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.	SHRINK = 5	% SWELL = 5 %
MAINLINE			601		EMB.	EMB.
SIDE ROADS			10			
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES			34			
INDEPENDENT DITCHES						
TEMPORARY CONSTRUCTION EXITS						
OTHER						
PAVEMENT						
TOPSOIL (EMB.)						
TOPSOIL (EXC.)						
TOPSOIL (TO REPLACE STRIPPED TOPSOIL)						
ROCK (C.Y.)		TOTALS (C.Y.)			645	VS
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
		645			AVAILABLE	= 645
					BORROW MATERIAL	= 678

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.	SHRINK = 5 %	SWELL = 5 %
MAINLINE		1199		1142	EXC.	EMB.
SIDE ROADS		130		124		
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES		17		17		
INDEPENDENT DITCHES		25		24		
TEMPORARY CONSTRUCTION EXITS						
OTHER						
PAVEMENT						
TOPSOIL (EMB.)						
TOPSOIL (EXC.)						
TOPSOIL (TO REPLACE STRIPPED TOPSOIL)						
ROCK (C.Y.)		TOTALS (C.Y.)			1306	VS
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
		1371		1371	1306	1306
					AVAILABLE =	1306
					WASTE MATERIAL =	1372

NO ACID-BASE TESTING OF THE SOIL MATERIAL IS REQUIRED. ALL EXCAVATED SOIL MATERIAL IS TO BE TREATED AS ACID PRODUCING MATERIALS AND HANDLED IN ACCORDANCE WITH SPECIAL PROVISION 107L.

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SHEET 2 OF 9
 STATE NO.: 13004-3216-94
 PIN: 124242.00
 COUNTY: Claiborne

SR-33 Earthwork

Input File: ewkprj.inp

Output File: SR33Earth-07-20-26.log

COMPUTING EARTHWORKS FOR BASELINE = ML-SR33

COMPUTING EARTHWORKS FOR JOB = 1DL

FORMING LIST OF XSCELLS

BEGINNING EARTHWORKS COMPUTATION

Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass	Accum	Accum
Station		Volumes	Volumes	Factor	Ordinate	Unadj Vol	Adj Vol
	(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu. yd.)	(cu. yd.)

100+00.00 EARTH							
Excavation	2.6	0	0	1.00		0	0
Fill	0.0	0	0	1.00	0	0	0
100+35.00 EARTH							
Excavation	1.3	3	3	1.00		3	3
Fill	0.0	0	0	1.00	3	0	0
100+50.00 EARTH							
Excavation	151.8	43	43	1.00		46	46
Fill	27.2	8	8	1.00	38	8	8
100+59.54 EARTH							
Excavation	136.5	51	51	1.00		97	97
Fill	30.4	10	10	1.00	79	18	18
101+00.00 EARTH							
Excavation	130.5	200	200	1.00		297	297
Fill	29.3	45	45	1.00	234	63	63

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SHEET 3 OF 9
 STATE NO.: 13004-3216-94
 PIN: 124242.00
 COUNTY: Claiborne

101+50.00 EARTH

Excavation	107.1	220	220	1.00		517	517
Fill	40.3	64	64	1.00	390	127	127

102+00.00 EARTH

Excavation	24.9	122	122	1.00		639	639
Fill	13.7	50	50	1.00	462	177	177

102+35.11 EARTH

Excavation	14.0	25	25	1.00		664	664
Fill	27.1	27	27	1.00	460	204	204

102+39.00 EARTH

Excavation	13.2	2	2	1.00		666	666
Fill	31.2	4	4	1.00	458	208	208

102+50.00 EARTH

Excavation	16.9	6	6	1.00		672	672
Fill	67.1	20	20	1.00	444	228	228

102+66.67 EARTH

Excavation	0.0	5	5	1.00		677	677
Fill	0.0	21	21	1.00	428	249	249

SKIP STATION RANGE = 102+67.00 to 103+23.00

103+23.33 EARTH

Excavation	0.0	0	0	1.00		677	677
Fill	0.0	0	0	1.00	428	249	249

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SHEET 4 OF 9
 STATE NO.: 13004-3216-94
 PIN: 124242.00
 COUNTY: Claiborne

103+49.00 EARTH

Excavation	56.0	27	27	1.00		704	704
Fill	82.1	39	39	1.00	416	288	288

103+50.00 EARTH

Excavation	55.8	2	2	1.00		706	706
Fill	83.0	3	3	1.00	415	291	291

103+53.85 EARTH

Excavation	55.8	8	8	1.00		714	714
Fill	71.6	11	11	1.00	412	302	302

104+00.00 EARTH

Excavation	86.1	121	121	1.00		835	835
Fill	38.5	94	94	1.00	439	396	396

104+50.00 EARTH

Excavation	128.1	198	198	1.00		1033	1033
Fill	33.1	66	66	1.00	571	462	462

104+89.49 EARTH

Excavation	43.4	125	125	1.00		1158	1158
Fill	37.9	52	52	1.00	644	514	514

105+00.00 EARTH

Excavation	40.9	16	16	1.00		1174	1174
Fill	31.5	14	14	1.00	646	528	528

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SHEET 5 OF 9
STATE NO.: 13004-3216-94
PIN: 124242.00
COUNTY: Claiborne

105+25.00 EARTH								
Excavation	6.9	22	22	1.00		1196	1196	
Fill	23.3	25	25	1.00	643	553	553	
105+50.00 EARTH								
Excavation	0.0	3	3	1.00		1199	1199	
Fill	26.8	23	23	1.00	623	576	576	
106+00.00 EARTH								
Excavation	0.0	0	0	1.00		1199	1199	
Fill	0.0	25	25	1.00	598	601	601	

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 COUNTY: Claiborne

G R A N D	S U M M A R Y	T O T A L S
Material Name	Unadjusted	Adjusted Mult
	Volumes	Volumes Factor
	(cu. yd.)	(cu. yd.)

EARTH

Excavation	1199	1199	1.00
Fill	601	601	1.00

S P L I T	S U M M A R Y	T O T A L S
	XS Quant	XS Quant Add/Sub Quant Add/Sub Quant
Material Name	Unadjusted	Adjusted Unadjusted Adjusted Mult
	Volume	Volume Volume Volume Factor
	(cu. yd.)	(cu. yd.) (cu. yd.) (cu. yd.)

EARTH

Excavation	1199	1199	0	0	1.00
Fill	601	601	0	0	1.00

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SHEET 7 OF 9
 STATE NO.: 13004-3216-94
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 COUNTY: Claiborne

Piney Grove Road Earthwork

Input File: ewkprj.inp

Output File: PineyEarth-07-20-26.log

COMPUTING EARTHWORKS FOR BASELINE = PINEYGROVE

COMPUTING EARTHWORKS FOR JOB = 1DL

FORMING LIST OF XSCELLS

BEGINNING EARTHWORKS COMPUTATION

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate	Accum Unadj Vol (cu. yd.)	Accum Adj Vol (cu. yd.)
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SKIP STATION RANGE = 20+00.00 to 20+10.00

20+11.00 EARTH

Excavation	0.0	0	0	1.00		0	0
Fill	0.0	0	0	1.00	0	0	0

20+20.00 EARTH

Excavation	25.4	4	4	1.00		4	4
Fill	2.3	0	0	1.00	4	0	0

20+47.84 EARTH

Excavation	69.3	49	49	1.00		53	53
Fill	0.8	2	2	1.00	51	2	2

20+50.00 EARTH

Excavation	45.7	5	5	1.00		58	58
Fill	0.7	0	0	1.00	56	2	2

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20+70.99 EARTH

Excavation	34.9	31	31	1.00		89	89
Fill	3.3	2	2	1.00	85	4	4

20+82.00 EARTH

Excavation	12.2	10	10	1.00		99	99
Fill	4.8	2	2	1.00	93	6	6

21+00.00 EARTH

Excavation	12.1	8	8	1.00		107	107
Fill	1.3	2	2	1.00	99	8	8

21+50.00 EARTH

Excavation	12.7	23	23	1.00		130	130
Fill	1.3	2	2	1.00	120	10	10

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G R A N D		S U M M A R Y		T O T A L S	
Material Name	Unadjusted	Adjusted	Mult		
	Volumes	Volumes	Factor		
	(cu. yd.)	(cu. yd.)			

EARTH					
	Excavation	130	130	1.00	
	Fill	10	10	1.00	
S P L I T		S U M M A R Y		T O T A L S	
		XS Quant	XS Quant	Add/Sub Quant	Add/Sub Quant
Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted	Mult
	Volume	Volume	Volume	Volume	Factor
	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)	

EARTH					
	Excavation	130	130	0	0 1.00
	Fill	10	10	0	0 1.00