

GRADING REPORT

COMPUTED BY: Alex Keelty
CHECKED BY: Eric Kim
FEDERAL PROJECT NO: R-BR-STP-9(99)
ROUTE NO. OR STREET: S.R. 9

SHEET 1 OF 6
STATE NO.: 15003-3242-94
PIN: 127530.00
COUNTY: COCKE

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.	SHRINK = 3 % SWELL = 35 %	
MAINLINE		2096	236	2034	EXC. EMB. 2034 VS. -236 AVAILABLE = 1798 WASTE MATERIAL = 1852	
SIDE ROADS		0	0			
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES		0	0			
		-	-	-		
		-	-	-		
		-	-	-		
TOPSOIL (EMB.)		0				
TOPSOIL (EXC.)		0				
TOPSOIL TOTALS (SEE TOPSOIL TABLE)						
ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	2096	236	2096	2096	2034



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.)	

17+84.07 EARTH							
Excavation	0.0	0	0	1.00	0	0	
Fill	0.3	0	0	1.00	0	0	
18+00.00 EARTH							
Excavation	0.0	0	0	1.00	0	0	
Fill	0.3	0	0	1.00	0	0	
18+19.00 EARTH							

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Excavation	50.2	18	18	1.00		18	18
Fill	0.0	0	0	1.00	18	0	0
18+38.20 EARTH							
Excavation	48.9	35	35	1.00		53	53
Fill	0.0	0	0	1.00	53	0	0
18+50.00 EARTH							
Excavation	48.3	21	21	1.00		74	74
Fill	0.0	0	0	1.00	74	0	0
19+00.00 EARTH							
Excavation	46.8	88	88	1.00		162	162
Fill	0.0	0	0	1.00	162	0	0
19+12.50 EARTH							
Excavation	47.4	22	22	1.00		184	184
Fill	9.0	2	2	1.00	182	2	2
19+50.00 EARTH							
Excavation	63.1	77	77	1.00		261	261
Fill	0.0	6	6	1.00	253	8	8
19+90.61 EARTH							
Excavation	81.8	109	109	1.00		370	370
Fill	1.6	1	1	1.00	361	9	9
20+00.00 EARTH							
Excavation	86.5	29	29	1.00		399	399

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Fill	1.7	1	1	1.00	389	10	10
20+50.00 EARTH							
Excavation	101.1	174	174	1.00		573	573
Fill	0.0	2	2	1.00	561	12	12
21+00.00 EARTH							
Excavation	200.7	279	279	1.00		852	852
Fill	0.0	0	0	1.00	840	12	12
21+10.61 EARTH							
Excavation	219.3	83	83	1.00		935	935
Fill	0.0	0	0	1.00	923	12	12
21+34.61 EARTH							
Excavation	168.6	172	172	1.00		1107	1107
Fill	0.0	0	0	1.00	1095	12	12
21+50.00 EARTH							
Excavation	141.3	88	88	1.00		1195	1195
Fill	0.0	0	0	1.00	1183	12	12
21+82.61 EARTH							
Excavation	80.4	134	134	1.00		1329	1329
Fill	19.9	12	12	1.00	1305	24	24
22+00.00 EARTH							
Excavation	73.7	50	50	1.00		1379	1379
Fill	17.0	12	12	1.00	1343	36	36

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22+30.61 EARTH

Excavation	72.7	83	83	1.00		1462	1462
Fill	29.8	27	27	1.00	1399	63	63

22+50.00 EARTH

Excavation	58.1	47	47	1.00		1509	1509
Fill	16.2	17	17	1.00	1429	80	80

22+59.36 EARTH

Excavation	54.1	19	19	1.00		1528	1528
Fill	4.7	4	4	1.00	1444	84	84

SKIP STATION RANGE = 22+62.50 to 22+96.50

22+98.64 EARTH

Excavation	39.0	9	9	1.00		1537	1537
Fill	18.0	2	2	1.00	1451	86	86

23+00.00 EARTH

Excavation	41.7	2	2	1.00		1539	1539
Fill	33.5	1	1	1.00	1452	87	87

23+50.00 EARTH

Excavation	90.5	122	122	1.00		1661	1661
Fill	28.7	58	58	1.00	1516	145	145

24+00.00 EARTH

Excavation	51.7	132	132	1.00		1793	1793
Fill	10.6	36	36	1.00	1612	181	181

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24+35.91 EARTH

Excavation	51.3	68	68	1.00		1861	1861
Fill	8.7	13	13	1.00	1667	194	194

24+50.00 EARTH

Excavation	49.3	26	26	1.00		1887	1887
Fill	7.8	4	4	1.00	1689	198	198

24+72.27 EARTH

Excavation	42.4	38	38	1.00		1925	1925
Fill	11.1	8	8	1.00	1719	206	206

25+00.00 EARTH

Excavation	36.2	40	40	1.00		1965	1965
Fill	10.6	11	11	1.00	1748	217	217

25+02.73 EARTH

Excavation	36.0	4	4	1.00		1969	1969
Fill	10.4	1	1	1.00	1751	218	218

25+22.96 EARTH

Excavation	31.2	25	25	1.00		1994	1994
Fill	9.1	7	7	1.00	1769	225	225

25+39.09 EARTH

Excavation	26.8	17	17	1.00		2011	2011
Fill	2.3	3	3	1.00	1783	228	228

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25+50.00 EARTH

Excavation	29.1	11	11	1.00		2022	2022
Fill	6.2	2	2	1.00	1792	230	230

26+00.00 EARTH

Excavation	47.0	70	70	1.00		2092	2092
Fill	0.0	6	6	1.00	1856	236	236

26+04.55 EARTH

Excavation	0.1	4	4	1.00		2096	2096
Fill	4.6	0	0	1.00	1860	236	236

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	2096	2096	1.00
Fill	236	236	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	2096	2096	0	0	1.00
Fill	236	236	0	0	1.00