

SHEET 1 OF 14
STATE NO.: 95004-3256-94
PIN: 125470.00
COUNTY: WILSON

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.	SHRINK = 10 % SWELL = 10 %	
MAINLINE		1920	138	1728	EXC. EMB. 2802 VS. -204 AVAILABLE = 2598 WASTE MATERIAL = 2858	
SIDE ROADS		607	0	547		
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES		564	66	508		
INDEPENDENT DITCHES		0	0			
TEMPORARY CONSTRUCTION EXITS		22	0	20		
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)		0	0			
TOPSOIL (EMB.)		0				
TOPSOIL (EXC.)		441				
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	3554	204	3554	3113	2802

SR-24 EARTHWORK

[illegible]

101+48.55 EARTH

Excavation	40	0	0	0.85		0	0
Subsoil Exc	0	0	0	1.00		0	0
Fill	7	0	0	1.15	0	0	0
TOPSOIL							
Excavation	25	0	0	1.00		0	0
Subsoil Exc	6	0	0	1.00		0	0
Fill	0	0	0	1.00	0	0	0

Mass ordinate for TOPSOIL = 0

101+50.00 EARTH

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CHECKED BY: Matthew McKay
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Excavation	40	2	2	0.85		2	2
Subsoil Exc	0	0	0	1.00		0	0
Fill	7	0	0	1.15	2	0	0
TOPSOIL							
Excavation	25	1	1	1.00		1	1
Subsoil Exc	6	0	0	1.00		0	0
Fill	0	0	0	1.00	2	0	0
Mass ordinate for TOPSOIL = 1							

Excavation	35	69	59	0.85		71	61
Subsoil Exc	0	0	0	1.00		0	0
Fill	9	15	17	1.15	44	15	17
TOPSOIL							
Excavation	25	46	46	1.00		47	47
Subsoil Exc	7	12	12	1.00		12	12
Fill	0	0	0	1.00	44	0	0
Mass ordinate for TOPSOIL = 59							

Excavation	47	76	65	0.85		147	126
Subsoil Exc	0	0	0	1.00		0	0
Fill	7	15	17	1.15	92	30	34
TOPSOIL							
Excavation	28	49	49	1.00		96	96
Subsoil Exc	3	9	9	1.00		21	21
Fill	0	0	0	1.00	92	0	0
Mass ordinate for TOPSOIL = 117							

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103+00.00 EARTH

Excavation	48	88	75	0.85		235	201
Subsoil Exc	0	0	0	1.00		0	0
Fill	3	9	11	1.15	156	39	45

TOPSOIL

Excavation	29	53	53	1.00		149	149
Subsoil Exc	3	6	6	1.00		27	27
Fill	0	0	0	1.00	156	0	0

Mass ordinate for TOPSOIL = 176

103+50.00 EARTH

Excavation	54	94	80	0.85		329	281
Subsoil Exc	0	0	0	1.00		0	0
Fill	1	4	4	1.15	232	43	49

TOPSOIL

Excavation	30	55	55	1.00		204	204
Subsoil Exc	1	4	4	1.00		31	31
Fill	0	0	0	1.00	232	0	0

Mass ordinate for TOPSOIL = 235

104+00.00 EARTH

Excavation	57	103	87	0.85		432	368
Subsoil Exc	0	0	0	1.00		0	0
Fill	4	5	5	1.15	314	48	54

TOPSOIL

Excavation	28	54	54	1.00		258	258
Subsoil Exc	4	5	5	1.00		36	36
Fill	0	0	0	1.00	314	0	0

Mass ordinate for TOPSOIL = 294

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104+50.00 EARTH

Excavation	67	115	98	0.85		547	466
Subsoil Exc	0	0	0	1.00		0	0
Fill	3	6	7	1.15	405	54	61

TOPSOIL

Excavation	29	53	53	1.00		311	311
Subsoil Exc	2	6	6	1.00		42	42
Fill	0	0	0	1.00	405	0	0

Mass ordinate for TOPSOIL = 353

105+00.00 EARTH

Excavation	64	121	103	0.85		668	569
Subsoil Exc	0	0	0	1.00		0	0
Fill	4	6	7	1.15	501	60	68

TOPSOIL

Excavation	26	51	51	1.00		362	362
Subsoil Exc	4	6	6	1.00		48	48
Fill	0	0	0	1.00	501	0	0

Mass ordinate for TOPSOIL = 410

105+50.00 EARTH

Excavation	41	97	83	0.85		765	652
Subsoil Exc	0	0	0	1.00		0	0
Fill	4	7	9	1.15	575	67	77

TOPSOIL

Excavation	25	47	47	1.00		409	409
Subsoil Exc	3	6	6	1.00		54	54
Fill	0	0	0	1.00	575	0	0

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Mass ordinate for TOPSOIL = 463

106+50.00 EARTH

Excavation	3	81	69	0.85		846	721
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	7	9	1.15	635	74	86

TOPSOIL

Excavation	1	48	48	1.00		457	457
Subsoil Exc	0	6	6	1.00		60	60
Fill	0	0	0	1.00	635	0	0

Mass ordinate for TOPSOIL = 517

107+00.00 EARTH

Excavation	9	11	9	0.85		857	730
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	0	0	1.15	644	74	86

TOPSOIL

Excavation	4	5	5	1.00		462	462
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	644	0	0

Mass ordinate for TOPSOIL = 522

108+00.00 EARTH

Excavation	74	154	131	0.85		1011	861
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	0	0	1.15	775	74	86

TOPSOIL

Excavation	19	43	43	1.00		505	505
Subsoil Exc	0	0	0	1.00		60	60

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Fill	0	0	0	1.00	775	0	0
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Mass ordinate for TOPSOIL = 565

108+50.00 EARTH

Excavation	80	143	121	0.85		1154	982
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	0	0	1.15	896	74	86

TOPSOIL

Excavation	20	36	36	1.00		541	541
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	896	0	0

Mass ordinate for TOPSOIL = 601

109+00.00 EARTH

Excavation	80	148	126	0.85		1302	1108
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	0	0	1.15	1022	74	86

TOPSOIL

Excavation	20	37	37	1.00		578	578
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1022	0	0

Mass ordinate for TOPSOIL = 638

109+50.00 EARTH

Excavation	75	144	122	0.85		1446	1230
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	0	0	1.15	1144	74	86

TOPSOIL

Excavation	20	37	37	1.00		615	615
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Subsoil Exc	0	0	0	1.00		60	60
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Fill	0	0	0	1.00	1144	0	0
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Mass ordinate for TOPSOIL = 675

110+00.00 EARTH

Excavation	35	102	87	0.85		1548	1317
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Subsoil Exc	0	0	0	1.00		0	0
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Fill	0	0	0	1.15	1231	74	86
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TOPSOIL

Excavation	13	31	31	1.00		646	646
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Subsoil Exc	0	0	0	1.00		60	60
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Fill	0	0	0	1.00	1231	0	0
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Mass ordinate for TOPSOIL = 706

110+50.00 EARTH

Excavation	33	63	54	0.85		1611	1371
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Subsoil Exc	0	0	0	1.00		0	0
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Fill	0	0	0	1.15	1285	74	86
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TOPSOIL

Excavation	15	26	26	1.00		672	672
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Subsoil Exc	0	0	0	1.00		60	60
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Fill	0	0	0	1.00	1285	0	0
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Mass ordinate for TOPSOIL = 732

111+00.00 EARTH

Excavation	23	52	44	0.85		1663	1415
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Subsoil Exc	0	0	0	1.00		0	0
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Fill	0	0	0	1.15	1329	74	86
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TOPSOIL

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Excavation	11	24	24	1.00		696	696
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1329	0	0

Mass ordinate for TOPSOIL = 756

111+50.00 EARTH

Excavation	11	31	27	0.85		1694	1442
Subsoil Exc	0	0	0	1.00		0	0
Fill	2	2	2	1.15	1354	76	88

TOPSOIL

Excavation	9	19	19	1.00		715	715
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1354	0	0

Mass ordinate for TOPSOIL = 775

112+00.00 EARTH

Excavation	9	19	16	0.85		1713	1458
Subsoil Exc	0	0	0	1.00		0	0
Fill	6	7	9	1.15	1361	83	97

TOPSOIL

Excavation	6	14	14	1.00		729	729
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1361	0	0

Mass ordinate for TOPSOIL = 789

112+50.00 EARTH

Excavation	8	16	13	0.85		1729	1471
Subsoil Exc	0	0	0	1.00		0	0
Fill	7	12	14	1.15	1360	95	111

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Excavation	6	11	11	1.00		740	740
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1360	0	0
Mass ordinate for TOPSOIL = 800							

Excavation	9	47	40	0.85		1776	1511
Subsoil Exc	0	0	0	1.00		0	0
Fill	2	25	29	1.15	1371	120	140

Excavation	4	28	28	1.00		768	768
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1371	0	0
Mass ordinate for TOPSOIL = 828							

Excavation	3	11	9	0.85		1787	1520
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	2	2	1.15	1378	122	142

Excavation	1	5	5	1.00		773	773
Subsoil Exc	0	0	0	1.00		60	60
Fill	0	0	0	1.00	1378	0	0
Mass ordinate for TOPSOIL = 833							

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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		1787	1520	0.85	
Subsoil Exc		0	0	1.00	
Fill		122	142	1.15	
TOPSOIL					
Excavation		773	773	1.00	
Subsoil Exc		60	60	1.00	
Fill		0	0	1.00	

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TERRACE HILL EARTHWORK

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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11+00.00 EARTH

Common Exc	4	0	0	0.85			0	0
Subgrade Exc	0	0	0	0.85			0	0
Subsoil Exc	0	0	0	1.00			0	0
Fill	0	0	0	1.15	0		0	0

TOPSOIL

Common Exc	6	0	0	1.00			0	0
Subgrade Exc	0	0	0	1.00			0	0
Subsoil Exc	0	0	0	1.00			0	0
Fill	0	0	0	1.00	0		0	0

Mass ordinate for TOPSOIL = 0

11+50.00 EARTH

Common Exc	40	41	35	0.85			41	35
Subgrade Exc	0	0	0	0.85			0	0
Subsoil Exc	0	0	0	1.00			0	0
Fill	0	0	0	1.15	35		0	0

TOPSOIL

Common Exc	6	11	11	1.00			11	11
Subgrade Exc	0	0	0	1.00			0	0
Subsoil Exc	0	0	0	1.00			0	0

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Fill	0	0	0	1.00	35	0	0
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Mass ordinate for TOPSOIL = 11

12+00.00 EARTH

Common Exc	87	118	100	0.85		159	135
Subgrade Exc	0	0	0	0.85		0	0
Subsoil Exc	0	0	0	1.00		0	0
Fill	1	1	1	1.15	134	1	1

TOPSOIL

Common Exc	9	14	14	1.00		25	25
Subgrade Exc	0	0	0	1.00		0	0
Subsoil Exc	1	1	1	1.00		1	1
Fill	0	0	0	1.00	134	0	0

Mass ordinate for TOPSOIL = 26

12+50.00 EARTH

Common Exc	138	208	177	0.85		367	312
Subgrade Exc	0	0	0	0.85		0	0
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	1	1	1.15	310	2	2

TOPSOIL

Common Exc	12	19	19	1.00		44	44
Subgrade Exc	0	0	0	1.00		0	0
Subsoil Exc	0	1	1	1.00		2	2
Fill	0	0	0	1.00	310	0	0

Mass ordinate for TOPSOIL = 46

13+00.00 EARTH

Common Exc	121	240	204	0.85		607	516
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Subgrade Exc	0	0	0	0.85		0	0
Subsoil Exc	0	0	0	1.00		0	0
Fill	1	1	1	1.15	513	3	3

TOPSOIL

Common Exc	10	20	20	1.00		64	64
Subgrade Exc	0	0	0	1.00		0	0
Subsoil Exc	1	1	1	1.00		3	3
Fill	0	0	0	1.00	513	0	0

Mass ordinate for TOPSOIL = 67

13+46.06 EARTH

Common Exc	19	119	102	0.85		726	618
Subgrade Exc	0	0	0	0.85		0	0
Subsoil Exc	0	0	0	1.00		0	0
Fill	0	1	1	1.15	614	4	4

TOPSOIL

Common Exc	0	9	9	1.00		73	73
Subgrade Exc	0	0	0	1.00		0	0
Subsoil Exc	0	1	1	1.00		4	4
Fill	0	0	0	1.00	614	0	0

Mass ordinate for TOPSOIL = 77

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Material Name		Unadjusted	Adjusted	Mult	
		Volumes	Volumes	Factor	
		(cu. yd.)	(cu. yd.)		

EARTH					
	Common Exc	726	618	0.85	
	Subgrade Exc	0	0	0.85	
	Subsoil Exc	0	0	1.00	
	Fill	4	4	1.15	
TOPSOIL					
	Common Exc	73	73	1.00	
	Subgrade Exc	0	0	1.00	
	Subsoil Exc	4	4	1.00	
	Fill	0	0	1.00	