EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

NOTE: EXCAVATION AND EMBANKMENT QUANTITIES DO NOT INCLUDE GABION WALL.

GRADES							TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
V. C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V. C.	DIST	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		145+00	1607.22	1607.22	0.00		3				823			
	-3.3201 %					50		7				1333		
		+50	1605.56	1605.63	+0.07		4		0		617			
						50		4		0		696		
300' VC		146+00	1603.90	1604.18	+0.28		0		0		135			
						50		0		0		181		
		+50	1602.24	1602.87	+0.63		0		0		61			
						50		14		0		84		
		147+00	1601.41	1601.69	+0.28		12		0		30			
						50		58		0		51		
		+50	1600.59	1600.66	+0.07		51		0		25			
						50		276		116		32		
	-1.6533 %	148+00	1599.76	1599.76	0.00		247		125		10		T CUT	2364
						50		399		149		114	R CUT	532
		+50	1598.93	1598.86	-0.07		184		36		113		FILL	2674
						50		312		37		105	F. FAC	1.15
		149+00	1598.11	1597.83	-0.28		153		4		0		R. FAC	0.495
300' VC						50		521		117		19		
		+50	1597.28	1596.66	-0.62		410		122		19		EXF	448
						50		773		113		59		
		150+00	1595.62	1595.34	-0.28		425		0		45			
						50		543		0		76		
	-3.3200 %	+50	1593.96	1593.89	-0.07		161		0		37			
						50		325				126		
		151+00	1592.30	1592.30	0.00		190				99			
						50		405				140		
		+50	1590.64	1590.64	0.00		247				52			
						50		502				57		
		152+00	1588.98	1589.05	+0.07		295		0		10			
						50		620		0		137		
		+50	1587.32	1587.61	+0.29		375		0		138			
						50		650		9		193		
400' VC		153+00	1585.66	1586.31	+0.65		327		10		70		T CUT	5840
						50		615		18		65	R CUT	193
		+50	1584.00	1585.16	+1.16		337		9		0		FILL	819
						50		571		27		8	F. FAC	1.15
		154+00	1583.50	1584.15	+0.65		280		20		9		R. FAC	0.495
						50		633		19		8		
		+50	1583.00	1583.29	+0.29		404		0		0		EXC	4994
						50		976		120		9		
		155+00	1582.50	1582.57	+0.07		650		130		10			
						50		1169		183		37		
		+50	1582.00	1582.00	0.00		613		68		30			
						50		906		225		65		
		156+00	1581.50				366		175		40			
						50		736		372		76		
		+50	1581.00				429		227		42			
						50		985		411		85		
		157+00	1580.50				635		217		50			
						50		1452		664		74		
		+50	1580.00				933		500		30			
						50		1706		732		83		
		158+00	1579.50				909		291		60		T CUT	11808
	-1.0000 %					50		1436		420		168	R CUT	3425
		+50	1579.00				642		163		121		FILL	1429
						50		1222		246		222	F. FAC	1.15
		159+00	1578.50				678		103		119		R. FAC	0.495
						50		1135		123		281		
		+50	1578.00				548		30		185		EXC	11860
						50		1061		49		338		
		160+00	1577.50				598		23		180			
						50		1214		193		250		
		+50	1577.00				713		185		90			
						50		1409		472		93		
		161+00	1576.50				809		325		10			
CARRIED FORWARD								2623		665		343		
COLUMN FOOTINGS								22635		4815		5265		

GRADES							TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
V. C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V. C.	DIST	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		161+00	1576.50				809		325		10			
						50		1559		504		9		
		+50	1576.00				875		219		10			
						50		1313		405		9		
		162+00	1575.50				543		218		10			
						50		968		366		9		
		+50	1575.00				502		177		10			
						50		917		364		26		
		163+00	1574.50				488		216		18		T CUT	9978
						50		985		458		46	R CUT	3198
		+50	1574.00				576		279		19		FILL	728
						50		789		347		45	F. FAC	1.15
		164+00	1573.50				276		96		30		R. FAC	0.495
						50		462		89		79		
		+50	1573.00				223		0		55		EXC	10724
						50		362		0		162		
		165+00	1572.50				168		0		120			
						50		302				267		
		+50	1572.00				158				168			
						50		269				369		
	-1.0000 %	166+00	1571.50				132				230			
						50		219				426		
		+50	1571.00				104				230			
						50		173				444		
		167+00	1570.50				83				250			
						50		160				417		
		+50	1570.00				90				200			
		+64	1569.86			50		127				204		
		168+00	1569.50				47				20		T CUT	1497
						50		69				27	R CUT	0
		+50	1569.00				28				9		FILL	2305
						50		55				19	F. FAC	1.15
		169+00	1568.50				31				11			
						50		55				40		
		+50	1568.00				28				32		EXF	1154
						50		68				92		
		170+00	1567.50	1567.50	0.00		45				67			
						50		73				134		
		+50	1567.00	1566.97	-0.03		34				78			
						50		57				159		
		171+00	1566.50	1566.40	-0.10		28				94			
						50		61				163		
		+50	1566.00	1565.77	-0.23		38				82			
						50		82				127		
		172+00	1565.50	1565.10	-0.40		51				55			
500' VC						50		69				97		
		+50	1565.00	1564.37	-0.63		23				50			
						50		56				72		
		173+00	1564.00	1563.60	-0.40		38				28		T CUT	1098
						50		114				26	R CUT	0
		+50	1563.00	1562.77	-0.23		85				0		FILL	782
						50		171				2	F. FAC	1.15
		174+00	1562.00	1561.90	-0.10		100				2			
						50		199				2		
		+50	1561.00	1560.97	-0.03		115				0		EXC	199
						50		216				0		
		175+00	1560.00	1560.00	0.00		118				0			
	-2.0000 %					50		243				6		
		+50	1559.00				144				6			
						50		248				17		
		176+00	1558.00				124				12			
						50		194				17		
		+50	1557.00	1557.00	0.00		86				6			
						50		183				7		
		177+00	1556.00	1556.08	+0.08		112				2			
450' VC						50		162				11		
		+50	1555.00	1555.33	+0.33		63				10			
						50		107				20		
		178+00	1554.00	1554.75	+0.75		53				12			
						50		95				31		
		+50	1553.00	1554.33	+1.33		50				22			
CARRIED FORWARD								1232		0		109		
COLUMN FOOTINGS								11182		2533		3581		

GRADES							TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT			
V. C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V. C.	DIST	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		178+50	1553.00	1554.33	+1.33		50				22		T CUT	1982
													R CUT	0
		+75	1552.50	1554.19	+1.69	50		76				69	FILL	249
													F. FAC	1.15
		179+00	1552.75	1554.08	+1.33		32				53			
						50		199				59		
450' VC		+50	1553.25	1554.00	+0.75		183				11		EXC	1696
						50		475				12		
		180+00	1553.75	1554.08	+0.33		330				2			
						50		652				6		
		+50	1554.25	1554.33	+0.08		374				4			
						50		688				9		
		181+00	1554.75	1554.75	0.00		369				6			
						50		596				8		
		+50	1555.25				275				3			
						50		458				6		
		182+00	1555.75				220				4			
	+0.9993 %					50		426				6		
		+50	1556.25				240				2			
		+50.48	1556.25	1556.25	0.00	50		373				4		
		183+00	1556.75	1556.69	-0.06		163				2			
						50		314				3		
		+50	1557.25	1557.01	-0.24		176				1			
						50		283				2	T CUT	4343
		184+00	1557.75	1557.20	-0.55		130				1		R CUT	0
													FILL	47
	EQ	184+30.24=											F. FAC	1.15
	+0.48	184+29.76	1558.05	1557.25	-0.80	50.48		274				1		
		+50	1558.25	1557.26	-0.99		163				0		EXC	4289
						50		279				2		
		185+00	1558.75	1557.21	-1.54		138				2			
						50		262				2		
		+50	1559.25	1557.03	-2.22		145				0			
						50		243				1		
		186+00	1558.27	1556.73	-1.54		117				1			
600' VC						50		200				1		
		+50	1557.29	1556.30	-0.99		99				0			
						50		129				19		
		187+00	1556.31	1555.76	-0.55		40				20			
						50		97				340		
		+50	1555.33	1555.08	-0.25		65				347			
						50		144				632		
		188+00	1554.35	1554.29	-0.06		90				336		T CUT	2237
						50		280				320	R CUT	0
		+50	1553.37	1553.37	0.00		212				10		FILL	1795
						50		320				61	F. FAC	1.15
		189+00	1552.39				134				56			
						50		242				165		
		+50	1551.41				127				122		EXC	173
						50		320				254		
		190+00	1550.43				219				152			
						50		225				293		
		+50	1549.45				24				164			
						50		44				318		
	-1.9600 %	191+00	1548.47				24				179			
						50		63				334		
		+50	1547.49				44				182			
						50		106				319		
		192+00	1546.51				70				163			
						50		91				323		
		+50	1545.53				28				186			
						50		43				311		
		193+00	1544.55				18				150			
						50		22				294		
		+50	1543.57				6				167			
						50		7				314		
		194+00	1542.59				2				172			
CARRIED FORWARD								601		0		2506		
/DESIGN/78D096/DD096.DGN COLUMN FOOTINGS								7931		0		4488		

PROJECT NAME SEARSBURG-WILMINGTON
PROJECT NUMBER NHF 010-I(18)

30-NOV-2001 DD096E2
SHEET 19 OF 435 SHEETS