STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
VT ROUTE 9									
20+00		0				0			
	25		0				0		
20+25		0				0			
	50		0				0		
20+75		0				0			
	25		0				0		
21+00		0				0			
	25		0				0		
21+25		0				0			
	25		0				0		
21+50		0				0			
	25		0				0		
21+75		0				0			
	25		0				0	CUT	1628
22+00		0				0		ROCK	0
	25		0				0	R.FAC	.495
22+25		0				0		FILL	21
	25		0				0	F.FAC	1.15
22+50		0				0		EX. C	1603
	25		0				0		
22+75		0				0			
	25		65				0		
23+00		140				0			
	25		125				0		
23+25		130				0			
	25		109				0		
23+50		105				0			
	25		216				1		
23+75		362				3			
	25		266				3		
24+00		212				3			
	25		200				5		
24+25		220				8			
	25		201				6		
24+50		215				5			
	25		209				4		
24+75		236				3			
	25		237				2		
25+00		275				1			
	25		250				1		
25+25		264				1			
	25		212				4		
25+50		193				7			
	25		191				25		
25+75		220				48			
	25		172				62		
26+00		152				86			
	25		125				85		
26+25		117				98		CUT	1753
	25		104				95	ROCK	0
26+50		107				107		R.FAC	.495
	25		152				70	FILL	363
26+75		221				45		F.FAC	1.15
	25		164				21	EX. C	1336
27+00		134				0			
	25		144				0		
27+25		176				0			
	25		160				0		
27+50		170				0			
	25		79				0		
27+75		0				0			
	25		0				0		
28+00		0				0			
	25		0				0		
28+25		0				0			
	25		0				0		
28+50		0				0			
	25		0				0		
28+75		0				0			
	25		0				0		
29+00		0				0			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
ACCESS ROAD									
80+00		0				0			
	21		11				0		
80+21		28				0			
	29		15				56		
80+50		0				105			
	50		0				125		
81+00		0				30			
	50		0				49		
81+50		0				24			
	50		1				39		
82+00		1				19			
	50		5				34		
82+50		4				18			
	50		4				48		
83+00		1				34			
	50		0				72		
83+50		0				44			
	50		11				57		
84+00		12				18		CUT	139
	50		45				20	ROCK	0
84+50		36				4		R.FAC	.495
	38		47				3	FILL	503
84+88		30				0		F.FAC	1.15
								EX. C	-439

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
SEARSBURG NH 010-1(48)								
20+00	29+00	3381		442	2939		2939	
ACCESS ROAD		139		578		439	2500	
5% CONTINGENCY			176		176		2676	
TOTAL		3520	176	1020			2676	

REMARKS

EARTH AND ROCK EXCAVATION		3696
SOLID ROCK EXCAVATION		176
EARTH EXCAVATION		3520
BACKFILL FOR TRENCH EXCAVATION (CB AND PIPES)		100
PLANIMETERED FILL		887
LESS FACTORED SOLID ROCK		0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES		0
NET PLANIMETERED FILL		887
FACTOR		1.15
PLANIMETERED FILL INCLUDING FACTOR		1020
MATERIALS AVAILABLE FOR FILLS		3620
EARTH EXCAVATION		3520
CHANNEL EXCAVATION		
UNDERDRAIN EXCAVATION		
STRUCTURE EXCAVATION		
TRENCH EXCAVATION FOR DRAINAGE		100
TRENCH EXCAVATION OF ROCK		
TOTAL MATERIAL AVAILABLE FOR FILL		3620
TOTAL FILL INCLUDING FACTOR		1120
TOTAL MATERIAL FOR FILL		3620
BORROW		578
EXCESS EXCAVATION		3078

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: SEARSBURG
PROJECT NUMBER: NH 010-1(48)

FILE NAME: z12B404ewqty.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: M. BRADLEY
EARTHWORKS SHEET

PLOT DATE: 6/16/2014
DRAWN BY: M. BRADLEY
CHECKED BY: E. ATKINS
SHEET 12 OF 45