STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST FT.	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.
1+00		0.0				0.0			
	50		8				1		
1+50		9.1				1.2			
	50		25				2		
2+00		18.0				1.1			
	50		168				7		
2+50		163.7				6.4			
	50		273				6	CUT	1433
3+00		130.6				0.5		ROCK	0
	50		273				1	R.FAC	.495
3+50		164.4				0.5		FILL	49
	50		258				6	F.FAC	1.15
4+00		114.5				5.7		EX. C	1377
	50		202				12		
4+50		103.3				7.0			
	50		226				14		
5+00		141.1				7.9			
	50		250				7		
5+50		128.7				0.0			
	50		226				0		
6+00		115.6				0.2			
	50		185				0		
6+50		84.3				0.0			
	50		151				0		
7+00		78.7				0.2			
	50		175				10		
7+50		110.8				10.5		CUT	2050
	50		204				10	ROCK	0
8+00		109.4				0.6		R.FAC	.495
	50		186				1	FILL	28
8+50		92.0				0.0		F.FAC	1.15
	50		216				0	EX. C	2018
9+00		140.9				0.0			
	50		244				0		
9+50		122.7				0.3			
	50		213				0		
10+00		107.1				0.2			
	50		185				0		
10+50		92.3				0.0			
	50		177				0		
11+00		99.1				0.0			
	50		170				0		
11+50		84.4				0.1			
	50		162				1		
12+00		90.1				0.9			
	50		154				1		
12+50		76.7				0.4		CUT	1563
	50		149				1	ROCK	0
13+00		83.8				0.9		R.FAC	.495
	50		161				1	FILL	11
13+50		89.9				0.4		F.FAC	1.15
	50		231				1	EX. C	1550
14+00		160.0				0.9			
	50		155				2		
14+50		7.4				1.7			
	50		19				4		
15+00		12.8				3.0			
	50		24				8		
15+50		12.7				5.1		CUT	50
	50		19				9	ROCK	0
16+00		7.9				4.2		R.FAC	.495
	50		7				4	FILL	21
16+50		0.0				0.0		F.FAC	1.15
								EX. C	26
REMOVAL OF EXISTING PAVEMENT			1242						
UNSUITABLE SUBBASE MATERIAL UNDERCUT			459						
TO BE USED AT DISCRETION OF ENGINEER			50			(EST.)			

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
1+00	5+00	1433	0	49	1384		1384	
5+00	10+00	2050	0	28	2022		3406	
10+00	15+00	1563	0	11	1552		4958	
15+00	16+50	50	0	21	29		4987	
REMOVAL OF EXISTING PAVEMENT		1242			1242		6229	
UNSUITABLE SUBBASE MATERIAL UNDERCUT		459			459		6688	
TO BE USED AT DISCRETION OF ENGINEER		50			50		6738	

REMARKS

EARTH AND ROCK EXCAVATION	25
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	25
PLANIMETERED FILL	0
LESS FACTORED SOLID ROCK	
ITEM DETAIL SHEET	
NET PLANIMETERED FILL	0
FACTOR	0.15
PLANIMETERED FILL INCLUDING FACTOR	0
MATERIALS AVAILABLE FOR FILLS	
COMMON EXCAVATION (2200 CY * 0.50)	25
UNCLASSIFIED CHANNEL EXCAVATION (4510 CY * 0.30)	
UNDERDRAIN EXCAVATION (241.5 CY * 0.75)	241.5
SOLID ROCK EXCAVATION (50 CY * 0.495)	
TOTAL MATERIAL AVAILABLE FOR FILL	266.5
TOTAL FILL INCLUDING FACTOR	0
TOTAL MATERIAL FOR FILL	266.5
BORROW	
EXCESS EXCAVATION	266.5

PROJECT NAME: MORETOWN
PROJECT NUMBER: ER STP 0167(15)

FILE NAME: z12c524frm.dgn
PROJECT LEADER: J. TUCKER
DESIGNED BY: B. BRESLEND
EARTHWORKS SHEET

PLOT DATE: 2/17/2015
DRAWN BY: B. MACK
CHECKED BY: A. SANZ
SHEET 19 OF 57