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.		
	FT.								
323+00		25.8				2.0			
	50		265				2		
323+50		260.8				0.0			
	50		579				0		
324+00		364.3				0.0			
	50		602				0		
324+50		285.7				0.0			
	50		567				0		
325+00		326.9				0.0			
	50		502				0	CUT	3903
325+50		215.6				0.0		ROCK	0
	50		314				7	R.FAC	.495
326+00		123.8				7.4		FILL	94
	50		191				21	F.FAC	1.15
326+50		82.0				14.9		EX. C	3795
	50		169				23		
327+00		100.5				9.8			
	50		312				9		
327+50		236.0				0.0			
	50		402				32		
328+00		198.0				34.9			
	50		262				42		
328+50		84.9				10.7			
	50		201				10		
329+00		132.6				0.0			
	50		246				0		
329+50		133.0				0.0			
	50		280				0		
330+00		169.6				0.0			
	50		216				0	CUT	1769
330+50		63.5				0.0		ROCK	0
	50		137				0	R.FAC	.495
331+00		84.4				0.0		FILL	119
	50		164				0	F.FAC	1.15
331+50		93.2				0.0		EX. C	1632
	50		123				8		
332+00		39.9				9.2			
	50		71				24		
332+50		36.9				17.3			
	50		69				35		
333+00		37.2				20.1			
	50		75				19		
333+50		43.7				0.0			
	50		253				0		
334+00		229.8				0.0			
	50		532				1		
334+50		344.9				1.5			
	50		444				19		
335+00		134.2				19.1			
	50		168				18	CUT	2338
335+50		47.1				0.0		ROCK	0
	50		93				0	R.FAC	.495
336+00		53.6				0.0		FILL	59
	50		85				0	F.FAC	1.15
336+50		37.8				0.1		EX. C	2270
	50		70				1		
337+00		38.3				0.8			
	50		234				1		
337+50		214.7				0.0			
	50		384				0		
338+00		200.0				0.0			
	50		323				6		
338+50		149.1				6.2			
	50		314				6		
339+00		190.3				0.0			
	50		329				0		
339+50		164.8				0.0			
	50		284				0		
340+00		141.4				0.5			
	50		231				1	CUT	2594
340+50		108.2				0.6		ROCK	0
	50		206				1	R.FAC	.495
341+00		114.6				1.0		FILL	49
	50		241				12	F.FAC	1.15
341+50		146.1				11.6		EX. C	2538
	50		230				17		
342+00		102.7				6.7			
	50		190				6		
342+50		102.0				0.0			
	50		246				0		
343+00		163.9				0.0			
TO BE USED AT DISCRETION OF ENGINEER					50			CUT	486
								ROCK	50
UNSUITABLE SUBBASE								R.FAC	.495
MATERIAL			486					FILL	0
								F.FAC	1.15
								EX. C	511

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.		
	FT.								

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.		
	FT.								

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
323+00	328+00	3903	0	94	3903	94	3903	94
328+00	333+00	1769	0	119	1769	119	5672	213
333+00	338+00	2338	0	59	2338	59	8010	272
338+00	343+00	2594	0	0	2594	49	10604	321
TO BE USED AT DISCRECTION OF ENGINEER		0	50	0	50	0	10654	321
UNSUITABLE SUBBASE MATERIAL		486	0	0	486	0	11140	321

REMARKS

EARTH AND ROCK EXCAVATION	11140
SOLID ROCK EXCAVATION	50
EARTH EXCAVATION	11090
PLANIMETERED FILL	321
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	321
FACTOR	0.15
PLANIMETERED FILL INCLUDING FACTOR	369
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION (5642 CY * 0.70)	3949
CHANNEL EXCAVATION (5451 CY * 0.30)	1635
UNDERDRAIN EXCAVATION (163 CY * 0.80)	130
SOLID ROCK EXCAVATION (50 CY * 0.495)	25
TOTAL MATERIAL AVAILABLE FOR FILL	5739
TOTAL FILL INCLUDING FACTOR	369
TOTAL MATERIAL FOR FILL	5739
BORROW	
EXCESS EXCAVATION	5370

PROJECT NAME: **SHARON**
PROJECT NUMBER: **ER STP 0147(20)**

FILE NAME: **z12c410.dgn**
PROJECT LEADER: **J. TUCKER**
DESIGNED BY: **B. BRESLEND**
EARTHWORKS SHEET

PLOT DATE: **3/31/2015**
DRAWN BY: **B. MACK**
CHECKED BY: **A. SANZ**
SHEET **20** OF **66**