

EARTHWORKS

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

GRADES												TOTAL EXCAVATION EARTH AND ROCK				ROCK EXCAVATION		EMBANKMENT				SUMMARY AND BALANCES														
V. C.	% GRADE	STATION	ELEVATION		CORR V. C.	DIST	AREA		CU. YDS.	AREA		CU. YDS.	AREA		CU. YDS.	V. C.	% GRADE	STATION	ELEVATION		CORR V. C.	DIST	AREA		CU. YDS.	AREA		CU. YDS.	STATION TO STATION	TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES		ACCUMULATIVE EXCESSES	
			ON TANGENT	ON CURVES			AREA	CU. YDS.		AREA	CU. YDS.		AREA	CU. YDS.					AREA	CU. YDS.			AREA	CU. YDS.		CUT	FILL						CUT	FILL		
																		113+25	118+94.40									13010	622	19	13297		13296			
																		118+94.40	124+00									1117		8018		8104	5193			
																		124+00	129+00									346		5960		6508		1315		
																		129+00	134+00									1573		965	463			852		
																		134+00	139+00									8272		113	8142		7290			
																		139+00	144+00									4905		1215	3508		10798			
																		144+00	149+00									1411		2337		1277	9521			
																		149+00	153+99.89									4923		142	4760		14281			
																		153+99.89	158+97.88									2382		2261		218	14063			
																		158+97.88	164+00									15474	426	162	15499		29582			
																		164+00	169+00									3328	250	1997	1155		30717			
																		169+00	174+00									7087	501	4397	2278		32995			
																		174+00	179+20.85									6770	629	2670	4011		37006			
																		179+20.85	181+50									15043		0	15043		52049			
																		181+50	183+90.91									5099		0	5099		57148			
																		MAINLINE TOTALS										90740	2428	30256	58952					
																		TH # 54										164		2750		2999	54149			
																		TH # 46										334		1247		1100	53049			
																		Drives										1733		666	967		54016			
																		PROJECT TOTALS										92971	2428	34919	54016					
																		18+75	838.40	838.40	0.00	50		52												
																		19+00	837.85									0								
																		End Construction																		

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS			REMARKS
		EXCAVATION TOTAL CU YDS	ROCK CU YDS	EMBANKMENT CUBIC YARDS	
1	1	14393	622	12780	EARTH AND ROCK EXCAVATION 92971
1	2	14456		2295	SOLID ROCK EXCAVATION 2428
1	3	6721		4790	EARTH EXCAVATION 90543
2	1	26626	686	3324	PLANIMETERED FILL 34919
2	2	28544	1110	7067	LESS FACTORED SOLID ROCK (1.30) 3156
3	1	164		2750	LESS DISPLACEMENT OF ANY LARGE STRUCTURES
3	2	334		1247	NET PLANIMETERED FILL 31763
Drives		1733		666	FACTOR (0.15) 4764
Totals		92971	2428	34919	PLANIMETERED FILL INCLUDING FACTOR 36527
					MATERIALS AVAILABLE FOR FILLS
					EARTH EXCAVATION 90543
					CHANNEL EXCAVATION 1305
					UNDERDRAIN EXCAVATION (3000 CY x 75%) 2250
					STRUCTURE EXCAVATION
					TOTAL MATERIAL AVAILABLE FOR FILL 94098
					TOTAL FILL INCLUDING FACTOR 36527
					TOTAL MATERIAL FOR FILL
					BORROW
					EXCESS EXCAVATION 57571

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