EARTHWORK SUMMARY

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
4+00		3.80				0.00			
	50		7.17				0.00		
4+50		3.94				0.00			
	50		10.62				0.00		
5+00		7.53				0.00			
	50		15.14				0.00		
5+50		8.82				0.00			
	50		15.81				0.00		
6+00		8.25				0.00			
	50		34.31				0.00		
6+50		28.80				0.00			
	50		80.87				0.27		
7+00		58.54				0.29			
	50		94.74				0.34		
7+50		43.78				0.08			
	50		84.20				0.67		
8+00		47.16				0.64			
	50		90.82				2.05		
8+50		50.93				1.57			
	50		95.10				7.51		
9+00		51.78				6.54			
	50		90.94				15.53		
9+50		46.44				10.23			
	50		82.47				31.03		
10+00		42.63				23.28			
	50		78.72				47.09		
10+50		42.39				27.58			
	50		88.02				57.34		
11+00		52.67				34.35			
	50		105.63				65.75		
11+50		61.41				36.66			
	50		133.43				56.97		
12+00		82.69				24.87			
	50		117.69				23.03		
12+50		44.42				0.00			
	50		76.25				2.87		
13+00		37.93				3.10			
	50		66.83				4.67		
13+50		34.25				1.94			
	50		61.07				5.77		
14+00		31.70				4.29			
	50		49.86				4.31		
14+50		22.14				0.37			
	50		41.23				0.34		
15+00		22.38				0.00			
	32.85		27.23				0.00		
15+32.85		22.38				0.00			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
50+40.88		71.28				1.20			
	9.12		24.08				0.41		
50+50		71.28				1.20			
	50		85.30				35.98		
51+00		20.84				37.66			
	50		49.51				38.31		
51+50		32.63				3.72			
	50		95.86				3.90		
52+00		70.90				0.49			
	50		92.81				0.45		
52+50		23.33				0.00			
	50		56.83				0.70		
53+00		32.05				0.76			
	50		59.35				1.41		
53+50		32.05				0.76			
	8.3		9.85				0.23		
53+58.30		32.05				0.76			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		

SUMMARY AND BALANCES

STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
4+00	10+00	702.19		57.39	644.80		644.80	
10+00	15+32.85	845.96		268.15	577.81		1222.61	
50+40.88	53+58.30	473.59		81.40	392.19		1614.80	
DRIVES		192.82		0.00	192.82		1807.62	
TOTALS		2214.56		406.94				

REMARKS

EARTH AND ROCK EXCAVATION	2224.56
SOLID ROCK EXCAVATION	10.00
EARTH EXCAVATION	2214.56
PLANIMETERED FILL	406.94
LESS FACTORED SOLID ROCK	0.00
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0.00
NET PLANIMETERED FILL	406.94
FACTOR (0.15)	61.04
PLANIMETERED FILL INCLUDING FACTOR	467.98
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	2224.56
CHANNEL EXCAVATION	0.00
UNDERDRAIN EXCAVATION	0.00
STRUCTURE EXCAVATION	16.00
TOTAL MATERIAL AVAILABLE FOR FILL	2240.56
TOTAL FILL INCLUDING FACTOR	467.98
TOTAL MATERIAL FOR FILL	2240.56
BORROW	0
EXCESS EXCAVATION	1772.58

- FOR FINAL COMMON EXCAVATION NUMBERS SEE CALCULATION BINDER PGS (19) FOR DETAILED CALCULATIONS.
- NO SOLID ROCK EXCAVATION WAS PERFORMED.

ITEM DETAIL AND DRAINAGE SUMMARY

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP FI TH	PIPE ELBOW NO-DEG	ES EA	CB	PROJ	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	MRKR POSTS TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
11+43	11+44	R-L		L-R						24	~~94~~ 95					X											~~83~~ 149.8					80.9			~~2~~ 1.2	1	1	1	

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT	
6+96.33	53+47.96	858		MTS	G-Id

PROJECT:	RUTLAND TOWN
PROJECT NO.:	HES INTS(4)
DESIGN FILE NAME:	z05kll4ew01.dgn
IPARM FILE NAME:	
SURVEYED BY:	VTRANS
SQUAD LEADER:	DWB
PLOT DATE:	3/3/2009
SURVEY DATE:	
DRAWN BY:	TSK
EARTHWORK SUMMARY/ITEM DETAIL/DRAINAGE SUMMARY	SHEET: 6 OF 36