STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

VAOT Metric

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
TOWN HIGHWAYS									
TH #32			0						
20+000		0				0.0			
	20		28				55		
20+020		2.8				5.5			
	10		18				27		
20+030		0.8				0.0			
	10		4				0		
20+040		0				0.0			
			0						
TH #24			0						
21+000		0.0				0.0			
	10		60				23		
21+010		11.9				4.6			
	10		111				39		
21+020		10.3				3.2			
	10		102				32		
21+030		10.1				3.1			
	10		87				31		
21+040		7.2				3.0			
	10		65				31		
21+050		5.8				3.2			
	10		31				16		
21+060		0.4				0.0			
	10		2				0		
21+070		0.0				0.0			
			0						
TH #15			0						
22+000		0.0				0.0			
	10		53				27		
22+010		10.6				5.5			
	10		86				38		
22+020		6.6				2.2			
	10		77				29		
22+030		8.8				3.6			
	10		93				36		
22+040		9.8				3.6			
	10		102				36		
22+050		10.5				3.6			
	10		107				36		
22+060		10.9				3.6			
	20		109				36		
22+080		0.0				0.0			
			0						
								C=	1139
								F=	492
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			1139		0		492	EXC=	573

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
TH #25			0						
23+000		0.0				0.0			
	10		9				30		
23+010		1.8				5.9			
	10		16				46		
23+020		1.5				3.3			
	10		17				27		
23+030		1.9				2.1			
	10		20				20		
23+040		2.0				1.9			
	10		25				24		
23+050		3.0				3.0			
	10		15				15		
23+060		0.0				0.0			
			0						
TH #37			0						
24+000		0.0				0.0			
	10		61				53		
24+010		12.2				10.6			
	10		127				72		
24+020		13.3				3.9			
	10		97				34		
24+030		6.1				3.0			
	10		51				29		
24+040		4.0				2.8			
	6		12				8		
24+046		0.0				0.0			
			0						
TH #21			0						
25+000		0.0				0.0			
	10		65				23		
25+010		13.0				4.5			
	10		93				32		
25+020		5.5				1.8			
	10		44				16		
25+030		3.3				1.5			
	10		16				7		
25+040		0.0				0.0			
			0						
								C=	668
								F=	436
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			668		0		436	EXC=	167

STATION km + m	DIST m	TOTAL EXCAVATION EARTH AND ROCK AREA m²	TOTAL EXCAVATION EARTH AND ROCK VOLUME m³	ROCK EXCAVATION AREA m²	ROCK EXCAVATION VOLUME m³	EMBANKMENT AREA m²	EMBANKMENT VOLUME m³	AREA m²	VOLUME m³
DRIVES									
1+080 RT		10.2	82			3.0	36		
1+085 LT		2.7	22			3.1	21		
1+115 RT		1.5	18			3.8	27		
1+136 LT		0.6	3			12.2	149		
1+161 RT		1.0	20			6.8	79		
1+194 LT		0.7	5			6.3	104		
1+220 RT		2.1	104			14.0	134		
1+344 LT		0.5	4			1.5	18		
1+413 RT		0.5	4			2.0	20		
1+428 RT		0.6	2			1.4	11		
1+484 LT		0.6	4			2.1	24		
1+499 RT		1.2	6			1.8	11		
1+564 LT		0.5	4			2.6	31		
1+724 RT		1.9	13			1.0	8		
1+834 RT		0.6	4			2.5	19		
1+834 LT		1.2	8			10.6	91		
1+921 LT		10.0	50			2.7	34		
1+973 RT		3.2	22			2.1	20		
1+973 LT		13.8	87			1.9	30		
2+340 RT		2.4	17			2.1	17		
2+378 LT		4.1	13			1.9	22		
2+506 RT		0.6	2			9.1	197		
2+562 RT		10.3	43			1.8	23		
2+590 LT		2.3	8			1.9	28		
2+983 LT		4.2	21			2.0	16		
								C=	566
								F=	1170
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			566		0		1170	EXF=	780

SUMMARY AND BALANCES

STATION TO STATION km + m	km + m	TOTAL EXC. EARTH+ROCK m³	ROCK EXCAVATION m³	EMBANKMENT m³	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL

REMARKS

EARTH AND ROCK EXCAVATION	
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	
PLANIMETERED FILL	
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	
FACTOR	
PLANIMETERED FILL INCLUDING FACTOR	
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	
TOTAL FILL INCLUDING FACTOR	
TOTAL MATERIAL FOR FILL	
BORROW	
EXCESS EXCAVATION	

PROJECT NAME: HIGHGATE - FRANKLIN
PROJECT NUMBER: STP RS 0301(1) SA

FILE NAME: ...85c060/design/dc060frm.dgn
PROJECT LEADER: DELLASANTA
DESIGNED BY: SQUAD B
IPARM FILE NAME: dc060ew7.1

PLOT DATE: 09-MAY-2005
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 26 OF 450