STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

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
7+000		0.4				2.1			
	20		39				48		
7+020		3.4				2.7			
	20		41				90		
7+040		0.7				6.3			
	20		33				212		
7+060		2.6				14.9			
	20		31				335		
7+080		0.5				18.6			
	20		10				331		
7+100		0.5				14.5			
	20		10				211		
7+120		0.5				6.6			
	20		18				124		
7+140		1.3				5.8			
	20		38				91		
7+160		2.5				3.3			
	20		35				53		
7+180		1.0				2.0			
			0						
PT STA 7+199.062 =									
POT STA 7+199.129									
EQ = -0.067									
	19.933		78				80		
7+200		6.9				6.0			
	20		100				219		
7+220		3.1				15.9			
	20		36				279		
7+240		0.5				12.0			
	20		11				217		
7+260		0.7				9.7			
	20		18				206		
7+280		1.1				10.9			
	20		74				183		
7+300		6.3				7.4			
	20		78				126		
7+320		1.4				5.2			
	20		20				80		
7+340		0.5				2.8			
	20		10				35		
7+360		0.5				0.7			
	20		20				8		
7+380		1.5				0.1			
	20		35				2		
7+400		2.9				0.1			
	20		60				4		
7+420		3.1				0.3			
	20		40				81		
7+440		1.0				7.8			
	20		18				123		
7+460		0.8				4.5			
	20		11				78		
7+480		0.3				3.3		C=	964
	20		100				103	F=	3319
7+500		9.8				7.0		R=	0
								FR	0.495
								FF=	1.15
TOTALS			964		0		3319	EXF=	2853

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
7+500		9.8				7.0			
	20		109				94		
7+520		1.2				2.4			
	20		32				34		
7+540		2.0				1.0			
	20		40				11		
7+560		1.9				0.1			
	20		46				1		
7+580		2.6				0.0			
	20		104				0		
7+600		8.3				0.0			
	20		139				0		
7+620		5.6				0.0			
	20		116				0		
7+640		6.0				0.0			
	20		148				0		
7+660		8.8				0.0			
	20		145				0		
7+680		5.7				0.0			
	20		110				0		
7+700		5.3				0.0			
	20		129				24		
7+720		7.6				2.4			
	20		154				38		
7+740		7.8				1.4			
	20		165				17		
7+760		8.7				0.3			
	20		118				30		
7+780		3.1				2.7			
	20		85				67		
7+800		0.6				4.0			
	20		11				93		
7+820		0.5				5.3			
	20		10				68		
7+840		0.5				1.5			
	20		13				20		
7+860		0.8				0.5			
	20		20				35		
7+880		1.2				3.0			
	20		100				118		
7+900		8.8				8.8			
	20		88				125		
7+920		0.0				3.7			
	20		6				46		
7+940		0.6				0.9			
	20		46				9		
7+960		4.0				0.0			
	20		97				0		
7+980		5.7				0.0			
	20		85				6		
8+000		8.0				0.6			
								C=	2116
								F=	836
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			2116		0		836	EXC=	1155

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
8+000		8.0				0.6			
	20		128				37		
8+020		4.8				3.1			
	20		56				44		
8+040		0.8				1.3			
	20		15				48		
8+060		0.7				3.5			
	20		15				105		
8+080		0.7				7.0			
	20		14				99		
8+100		0.6				2.9			
	20		15				37		
8+120		0.9				0.8			
	20		19				11		
8+140		1.0				0.3			
	20		19				12		
8+160		0.9				0.9			
	20		14				22		
8+180		0.5				1.3			
	20		53				16		
8+200		4.7				0.3			
	20		52				3		
8+220		0.5				0.0			
	20		10				0		
8+240		0.5				0.0			
			0				0		
STA POT 8+254.726 =									
REV PC STA 8+254.730									
EQ = -0.004									
	19.996		14						
8+260		0.9				0.0			
	20		30				0		
8+280		2.1				0.0			
	20		85				0		
8+300		6.4				0.0			
	20		192				0		
8+320		12.8				0.0			
	20		254				0		
8+340		12.6				0.0			
	20		188				21		
8+360		6.3				2.1			
	20		292				91		
8+380		22.9				7.2			
							162		
REV PT STA 8+398.003 =									
STA 8+398.400									
EQ = -0.397									
	19.603		230						
8+400		0.5				9.0			
	20		10				256		
8+420		0.5				16.6			
	20		9				369		
8+440		0.4				20.3		C=	1776
	20		8				376	F=	1924
8+460		0.4				17.3		R=	0
	20		4				194	FR=	0.495
8+480		0.0				2.1		FF=	1.15
	20		50				21	EXF=	437
8+500		5.0				0.0			
TOTALS			1776		0		1924		

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: dc060ew5.1
PLOT DATE: 09-MAY-2005
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 24 OF 450