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
8+500		5.0				0.0			
	20		177				0		
8+520		12.7				0.0			
	20		255				0		
8+540		12.8				0.0			
	20		218				0		
8+560		9.0				0.0			
	20		166				0		
8+580		7.6				0.0			
	20		126				36		
8+600		5.0				3.6			
	20		50				163		
8+620		0.0				12.7			
	20		0				265		
8+640		0.0				13.8			
	20		0				230		
8+660		0.0				9.2			
	20		6				189		
8+680		0.6				9.7			
	20		66				241		
8+700		6.0				14.4			
	20		63				394		
8+720		0.3				25.0			
	20		3				353		
8+740		0.0				10.3			
	20		10				160		
8+760		1.0				5.7			
	20		31				87		
8+780		2.1				3.0			
	20		97				32		
8+800		7.6				0.2			
	20		116				13		
8+820		4.1				1.1			
	20		46				14		
8+840		0.6				0.3			
	20		16				16		
8+860		1.1				1.3			
	20		35				29		
8+880		2.3				1.6			
	20		50				64		
8+900		2.7				4.8			
	20		77				146		
8+920		5.0				9.8			
	20		83				213		
8+940		3.3				11.5			
	20		64				302		
8+960		3.1				18.7			
	20		56				513		
8+980		2.5				32.6			
	20		52				830		
9+000		2.7				50.4			
								C=	1863
								F=	4290
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			1863		0		4290	EXF=	3071

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
9+000		2.7				50.4			
	20		56				1153		
9+020		2.9				64.9			
	20		56				1348		
9+040		2.8				69.9			
	20		54				1378		
9+060		2.6				67.9			
	20		54				1196		
9+080		2.7				51.7			
	20		53				858		
9+100		2.6				34.1			
	20		64				628		
9+120		3.9				28.7			
	20		62				477		
9+140		2.4				19.0			
	20		47				292		
9+160		2.4				10.2			
	20		57				170		
9+180		3.4				6.8			
	20		94				68		
9+200		6.0				0.0			
	20		145				0		
9+220		8.5				0.0			
	20		214				0		
9+240		12.9				0.0			
	20		220				1		
9+260		9.1				0.1			
	20		156				1		
9+280		6.5				0.0			
	20						0		
9+300		5.7	0			0.0			
							0		
POE STA 9+306.288 =									
POB STA AH14+650.000									
EQ = -5343.712									
		16.288					105		
14+660		7.3				0.0			
	20		162				9		
14+680		9.0				0.9			
	20		220				11		
14+700		13.0				0.2			
	20		236				2		
14+720		10.6				0.0			
	20		213				0		
14+740		10.7				0.0			
	20		199				58		
14+760		9.2				5.8			
	20		199				58		
14+780		10.7				0.0			
	20		234				0		
14+800		12.7				0.0			
	20		241				2		
14+820		11.4				0.2		C=	3345
	20		204				58	F=	7768
14+840		9.0				5.6		R=	0
								FR=	0.495
								FF=	1.15
TOTALS			3345		0		7768	EXF=	5588

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
14+840		9.0				5.6			
	20		144				89		
14+860		5.4				3.3			
	20		122				36		
14+880		6.8				0.3			
	20		185				3		
14+900		11.7				0.0			
	20		191				27		
14+920		7.4				2.7			
	20		139				65		
14+940		6.5				3.8			
	20		122				131		
14+960		5.7				9.3			
	20		135				125		
14+980		7.8				3.2			
	20		171				45		
15+000		9.4				1.3			
	20		195				14		
15+020		10.2				0.1			
	14		160				1	C=	1564
15+034		12.7				0.1		F=	536
								R=	0
								FR=	0.495
								FF=	1.15
TOTALS			1564		0		536	EXC=	948

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: dc060ew6.i

PLOT DATE: 09-MAY-2005
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 25 OF 450