

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				SUMMARY AND BALANCES										
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION TO STATION	TOT EXC. EARTH & ROCK	ROCK EXCAV	EMBANK	EXCESSES		ACUMULATIVE EXCESSES				
km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	km + m	km + m	m ³	m ³	CUT	FILL	CUT	FILL			
VT RT 15																									20+002.182	20+002.182	20+261.702	4279		104	4159		4159			
20+002.182	8	15	122			0	0			10+050.00	10	23	116			2	8								9+910.905	10+082.79	2991		203	2758		6917				
20+010.00	10	16	158			0	0			10+060.00	10	20	182			3	20																			
20+020.00	10	16	154			0	0			10+070.00	10	17	154			1	15																			
20+030.00	10	15	151			0	0			10+080.00	10	14	42			2	5																			
20+040.00	10	15	143			0	0			10+082.79	3	16				2																				
20+050.00	10	13	129			0	0																													
20+060.00	10	12	112			0	0																													
20+070.00	10	10	104			0	1																													
20+080.00	10	11	118			0	2																													
20+090.00	10	13	145			0	4																													
20+100.00	10	16	200			1	10																													
20+110.00	10	24	268			1	17																													
20+120.00	10	30	309			2	10																													
20+130.00	10	32	244			0	0																													
20+140.00	10	17	183			0	20																													
20+150.00	10	20	200			4	22																													
20+160.00	10	20	169			0	8																													
20+170.00	10	14	127			1	8																													
20+180.00	10	12	123			1	3																													
20+190.00	10	13	139			0	0																													
20+200.00	10	15	153			0	0																													
20+210.00	10	16	159			0	0																													
20+220.00	10	16	160			0	0																													
20+230.00	10	16	160			0	0																													
20+240.00	10	16	162			0	0																													
20+250.00	10	16	160			0	0																													
20+260.00	2	16	27			0	0																													
20+261.702	16	16				0																														
VT RT 108																																				
9+910.905	9	13	120			0	0																													
9+920.00	10	13	124			0	1																													
9+930.00	10	12	111			0	1																													
9+940.00	10	11	102			0	2																													
9+950.00	10	10	102			0	2																													
9+960.00	10	11	113			0	2																													
9+970.00	10	12	141			0	12																													
9+980.00	10	16	179			2	11																													
9+990.00	10	20	338			0	0																													
10+000.00	10	48	282			0	0																													
10+010.00	10	9	147			0	21																													
10+020.00	10	21	204			4	42																													
10+030.00	10	20	210			4	31																													
10+040.00	10	22	110			2	10																													

REMARKS	
EARTH AND ROCK EXCAVATION	7270
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	7270
PLANIMETERED FILL	307
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	307
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	353
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	7270
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	812
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	8082
TOTAL FILL INCLUDING FACTOR	353
TOTAL MATERIAL FOR FILL	8082
BORROW	
EXCESS EXCAVATION	7729

PROJECT NAME: CAMBRIDGE
 PROJECT NUMBER: STP 030-2(27)
 FILE NAME: +78f163frm.dgn
 PROJECT LEADER: JLS
 DESIGNED BY: MBL
 EARTHWORKS SUMMARY SHEET
 PLOT DATE: 05-JUN-2012
 DRAWN BY: MBL
 CHECKED BY: JAD
 SHEET 42 OF 214