

EARTHWORKS

																				SUMMARY AND BALANCES																		
		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				STATION TO STATION		TOT. EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES		ACUMULATIVE EXCESSES	
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION TO STATION	TOT. EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	CUT	FILL	CUT	FILL	
FT.	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	STATION TO STATION	TOT. EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	CUT	FILL	CUT	FILL			
MAINLINE										NATIONAL GUARD ROAD										MAINLINE																		
100+40		0								115+50	50	77	147							30+95	5	0	16					100+40	105+50	1753	0	17	1733	0	1733			
100+50	10	152	28			0				116+00	50	74	140			1	1			31+00	50	178	266		0	1		105+50	110+50	1360	0	228	1998	0	2831			
101+00	50	127	258			1	1			116+50	50	72	140			1	1			31+50	50	109	200		1	1		110+50	115+50	1111	0	195	887	0	3718			
101+50	50	159				1				117+00	50	79	144			0				32+00	50	107	215		0	1		115+50	120+50	1492	0	4	1487	0	5205			
102+00	50	84	225			0	1			117+50	50	77	145							32+50	50	125	219		0	10		120+50	125+50	1611	0	5	1305	0	6810			
102+50	50	103	173			1	1			118+00	14	80	42							33+00	50	112	214		11	10		125+50	128+19	830	0	109	705	0	7515			
102+72	22	98	82			0				118+14	36	83	111							33+50	50	119	221		0	19		NATIONAL GUARD ROAD										
103+00	28	91	98			2	1	CUT	1753	118+50	50	83	160							34+00	50	120	206		0	19		30+95	35+59	2176	0	62	2105	0	9620			
103+16	16	93	55			0	1	ROCK	0	119+00	50	90	167							34+50	50	102	268		0	19		JUGHANDLE										
103+50	34	93	117			0	1	R.FAC	495	119+50	50	90	161							35+00	50	187	324		0	2		29+57	30+36	50	0	0	50	0	9670			
104+00	50	79	159			1	3	FILL	17	120+00	37	79	112							35+50	9	163	27		0	2		INFILTRATION BASINS										
104+50	50	77	144			1	3	F.FAC	1.15	120+37	13	79	37							35+59	9	0	27		0	2		5 BASINS	1791	0	35	1751	0	11421				
104+80	30	82	88			2	2	EX. C	1733	120+50	50	76	139							INFILTRATION BASINS					0	2		ROUTE 15										
105+00	20	83	61			2	1			121+00	50	74	132							ROUTE 15					0	2		MEDIAN REMOVAL	284	0	0	284	0	11705				
105+11	11	83	34			0				121+50	50	69	136							29+75	18	0	2		0	2		JOHNSON AVENUE EXTENSION										
105+50	39	87	123			3	2			122+00	43	78	135							30+00	25	25	15		0	2		FILL AREA	0	0	110	0	-127	11578				
105+62	12	93	40			3	1			122+43	7	91	24							30+25	25	29	25		0	2		PROJECT TOTALS										
106+00	38	106	140			0	2			122+50	50	93	179							30+29	4	29	4		0	2		12458	0	765								
106+50	50	106	186			0	2			123+00	50	100	195							30+36	7	0	4		0	2		REMARKS										
106+60	10	95	35			2	1			123+50	50	111	194							INFILTRATION BASINS					0	2		C + 0.495R - 1.15 F										
107+00	40	96	139			2	5			124+00	50	99	174			0	1			111+50			128		0	2		C = QUANTITY OF EARTH AND ROCK EXCAVATION										
107+50	50	91	147			5	18	CUT	1360	124+50	50	89	154			1	4			118+65			585		0	2		R = QUANTITY OF ROCK EXCAVATION										
107+87	37	68	84			14	32	ROCK	0	125+00	50	77	138			3	8			123+13			571		0	2		F = QUANTITY OF FILL EXCAVATION										
108+00	13	54	25			32	14	R.FAC	495	125+50	35	72	87			6	10			32+75			204		0	2		REMOVAL OF ROUTE 15 MEDIAN ISLAND										
108+50	50	49	71			28	65	FILL	228	125+85	15	62	34			9	6			33+40			303		0	2		JOHNSON AVENUE EXTENSION										
109+00	50	28	62			42	56	EX. C	1098	126+00	11	60	111			11	25			ROUTE 15					0	2		FILL AREA AFTER JOHNSON AVENUE EXTENSION IS REMOVED										
109+50	50	39	125			18	17			126+50	50	60	111			16	25			REMOVAL OF ROUTE 15 MEDIAN ISLAND			284		0	2		PLANIMETERED FILL										
110+00	50	65	62			14	40			127+00	50	48	111			18	23			33+40			303		0	2		LESS FACTORED SOLID ROCK										
110+50	50	2	15			29	54			127+50	50	72	199			7	6			INFILTRATION BASINS					0	2		LESS DISPLACEMENT OF ANY LARGE STRUCTURES										
111+00	50	14	31			29	63			128+00	19	143	50			0				JOHNSON AVENUE EXTENSION					0	2		NET PLANIMETERED FILL										
111+50	50	20	61			39	37			128+19	19	0	50			0				FILL AREA AFTER JOHNSON AVENUE EXTENSION IS REMOVED					0	2		FACTOR (0.15)										
112+00	50	46	108			1	1																		0	2		PLANIMETERED FILL INCLUDING FACTOR										
112+50	50	71	150			0																			0	2		MATERIALS AVAILABLE FOR FILLS										
113+00	50	91	183																						0	2		EARTH EXCAVATION										
113+50	50	107	184																						0	2		CHANNEL EXCAVATION										
114+00	8	92	27																						0	2		UNDERDRAIN EXCAVATION										
114+08	42	91	136																						0	2		STRUCTURE EXCAVATION										
114+50	50	84	154																						0	2		TOTAL MATERIAL AVAILABLE FOR FILL										
115+00	50	82																							0	2		TOTAL FILL INCLUDING FACTOR										
																									0	2		TOTAL MATERIAL FOR FILL										
																									0	2		BORROW										
																									0	2		EXCESS EXCAVATION										
																									0	2		11578										

NOTE:
SEE THIS PLAN SET AND FINAL PAYMENT REQUEST FOR FINAL QUANTITIES.

RECORD DRAWING
DATE: DECEMBER 21, 2012



PROJECT NAME: COLCHESTER CAMPUS CONNECTOR
PROJECT NUMBER: TCSP TCSE (007)

FILE NAME: ...drawing\Plot Files\025_ewk.ppt DATE: 12/2/2010
PROJECT LEADER: JBL DRAWN BY: TFD
DESIGNED BY: TFD CHECKED BY: GGG
EARTHWORKS EW-1 SHEET 25 OF 153