

EARTHWORKS

																				SUMMARY AND BALANCES																																							
STATION		DIST		TOTAL EXCAVATION EARTH AND ROCK		SAND BORROW		EMBANKMENT		SUBBASE		STATION		DIST		TOTAL EXCAVATION EARTH AND ROCK		SAND BORROW		EMBANKMENT		SUBBASE		STATION TO STATION		TOT EXC EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES		ACUMULATIVE EXCESSES																												
FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	CUT	FILL	CUT	FILL																												
MAINLINE										DRIVE LT										NO SAND										CUMBY DRIVE										MAINLINE																			
13+50	16	16	9	0	0	1	11	7	80+20	5	0			132	24	28	5	17+71	0		NO	SAND	0	0	13+50	19+75	1128	0	695	329	329																												
13+66	9	13	5	0	1	1	12	4	80+25	25	0			132	111	28	25	17+75	4	0			80	17	VT 12A	50+00	51+50	84	0	45	32	361																											
13+75	8	19	6	0	1	1	14	4	80+50	25	0			108	97	24	23	17+86	11	0	1		182	53	DRIVE LT.	80+20	81+75	44	0	360	370	9																											
13+83	17	19	12	0	1	1	14	8	80+75	25	0			101	82	24	22	18+00	14	5	3		131	81	DRIVE LT.	80+20	81+75	44	0	360	370	9																											
14+00	25	19	25	0	1	1	11	21	81+00	25	0			77	40	24	27	18+11	11	6	2		118	51	PRINCE	200+10	206+00	2601	0	2216	53	44																											
14+25	25	34	92	0	2	10	34	51	81+25	25	3	1		10	5	34	27	18+25	14	6	3		79	51	CUMBY	DRIVE	17+71	18+50	15	0	273	299	255																										
14+50	25	164	331	22	BUTT	20	11	77	81+50	25	40	23		0	5	24	11	18+50	25	6	6		0	37	DRIVE	17+71	18+50	15	0	273	299	255																											
14+75	25	550	406	22	21	3	75	81	81+75	25	10	23		0	0	0	11	18+50					0	37	PARKING	VT 12A	LOT	32	0	56	32	287																											
15+00	11	328	406	24	21	160	92	80		GRAND	TOTALS	44							GRAND	TOTALS	15					DRIVE	13+79 RT	3	0	0	3	284																											
15+11	4	217	111	0	5	420	118	108		DRIVE	TOTALS	44														DRIVE	202+07 LT	2	0	6	5	289																											
15+15	19	217	BUTT	0		420	BUTT	115	PRINCE					NO	SAND	0	0		PARKING	LOT						DRIVE	205+15 LT	43	0	0	43	246																											
15+34								127	BUTT	200+10	11	0	30			0	0	14	PARKING	LOT						NO	SAND																																
	SUB	TOTALS	1028		47		282		391	200+21	4	146	22			0	70	10	50+00	25	5	5		50	30	CHANNEL	STONE	0	0	78	90	336																											
										200+25	25	146	110			0	70	62	50+25	25	5	5		50	31	GRAND	TOTALS	3952		3729		336																											
17+38	33	0		0	13	174		127	BUTT	20050	25	91	110			0	63	62	50+50	25	5	5		30	37																																		
17+71	8	0		22	7	175	49	108	28	20075	25	87	82			446	206	54	50+75	25	7	6		6	17																																		
17+79	21	0		23	18	157	97	80	63	20100	25	180	124			373	379	52	49	51+00	25	9	7		0	3																																	
18+00	50	0		23	BUTT	92	170	81	144	20125	25	191	172			515	411	52	48	51+25	25	6	7		8	13																																	
18+50	25	0		0		92	170	75	144	20150	25	253	206			308	381	52	48	51+50	25	6	3		8	4																																	
18+75	25	0		0		58	69	67	66	20175	25	272	243			170	221	52	48					56	103																																		
19+00	50	59	27	0		0	27	67	62	20182	7	267	70			116	37	52	13																																								
19+50	25	7	61	0		0		7	69	20200	18	257	175			7	41	42	31																																								
19+75	25	7	6	0		0		7	6	20225	25	225	223			0	3	45	40																																								
										20250	25	224	208			0	34	37																																									
	SUB	TOTALS	95		38	413		581		20275	25	106	153			0	35	32																																									
	FROM	ABOVE	1028		47	282		391		20300	10	120	35			0	37	14																																									
	GRAND	TOTALS	1123		85	695		972		20310	10	68	21			0	37	14																																									
	MANLINE									20320	10	43	16			0	12	14																																									
VT 12A										20330	10	43	16			0	12	14																																									
50+00	25	0	2	0	1	27	1	8	11	20340	10	57	19			85	23	37	14																																								
50+25	25	5	6	3	1	21	18	16	31	20350	10	89	27			38	11	37	14																																								
50+50	25	9	14	0	0	17	17	52	46	20353	22	89	10			22	14	37	4																																								
50+75	25	22	31	0	0	20	9	48	47	20375	25	83	94			224	206	37	31																																								
51+00	25	45	23	0	0	0		54	28	20400	25	121	105			281	162	39	37																																								
51+25	25	5	8	0	0	0		6	8	20425	25	106	67			69	47	41	40																																								
51+50	9	BUTT	0	0		0		6	BUTT	20450	25	39	43			33	23	46	43																																								
	GRAND	TOTALS	84		3	45		169		20475	25	53	46			16	9	47	38																																								
	VT 12A									20500	25	46	44			4	2	36	32																																								
										20525	25	50	42			0	33	31																																									
										20550	25	40	31			0	33	31																																									
										20575	25	26	12			0	17	8																																									
										20600	25	0				0	0	8																																									
										GRAND	TOTALS	2601						2217	908																																								
										PRINCE	STREET																																																
																									REMARKS																																		
																									EARTH AND ROCK EXCAVATION																																		
																									SOLID ROCK EXCAVATION																																		
																									EARTH EXCAVATION																																		
																									PLANIMETERED FILL																																		
																									LESS FACTORED SOLID ROCK (NOT APPLICABLE)																																		
																									LESS DISPLACEMENT OF ANY LARGE STRUCTURES																																		
																									NET PLANIMETERED FILL																																		
																									FACTOR (3729 x 0.15 = 559)																																		
																									PLANIMETERED FILL INCLUDING FACTOR																																		
																									MATERIALS AVAILABLE FOR FILLS																																		
																									EARTH EXCAVATION																																		
																									UNCLASSIFIED CHANNEL EXCAVATION (920 x 80% = 736)																																		
																									UNDERDRAIN EXCAVATION (517 x 80% = 414)																																		
																									STRUCTURE EXCAVATION (140 x 80% = 112)																																		
																									COFFERDAM EXCAVATIONS (920 x 80% = 736)																																		
																									TOTAL MATERIAL AVAILABLE FOR FILL																																		
																									TOTAL FILL INCLUDING FACTOR																																		
																									TOTAL MATERIAL FOR FILL																																		
																									BORROW																																		
																									EXCESS EXCAVATION																																		
																									PROJECT NAME: RANDOLPH																																		
																									PROJECT NUMBER: BRF 0241(29)																																		
																									FILE NAME: /str5/88j096/s88j096xcl.dgn																																		
																									PLOT DATE: 8/14/2006																																		
																									PROJECT LEADER: W. SYMONDS																																		
																									DRAWN BY: G. SHANGRAW																																		
																									DESIGNED BY: T. FILLBACH																																		
																									CHECKED BY: T. SUMNER																																		
																									EARTHWORK SHEET #1																																		
																									SHEET 10 OF 135																																		