ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S mm	PIPE ARCH R mm	PIPE ARCH L m	PIPE D mm	PIPE L m	PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP RI TH	PIPE ELBOW NO-DEG	ES EA	PROT CB	PROT	DEPTH DI	CONC CL B cm	REIN STEEL KG	DI GRATE TYPE	CHAN ELEV	CRM cm	TR EXCAV EARTH cm	TR EXCAV ROCK cm	COMM EXC cm	UNC CHAN EXC cm	STRUC EXCAV cm	GRAN BKF STRUC cm	GRAN BORR cm	EROS MATT sm	STONE FILL cm	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	GEO UNDER STONE sm	DRAINAGE SYSTEM #	REMARKS
12+280	12+040	RT/LT		CB/CB						600	48.77			III						1					E			153.66	6.14												25B	
12+280	12+280	LT/RT		CB/CB						600	9.75			II						1					B			17.927	6.314												25A	
12+449	12+463	LT/RT								900	21.95			III														41.115								70.5	II			117.5	27	
12+600	12+600	LT/RT		CB/HW						750	14.33					✓				1			2.6	16.76	B			41.338	1.496							38.76	II			64.6	28A	
12+700	12+781	LT		CB/CB						600	81.08					✓				1					B			256.214	6.956												29B	
12+781	12+781	LT/RT		CB/HW						600	15.24					✓				1			2.0	13.04	B			46.379								4.13	I				29D	
12+636	12+644	LT								450	9.75			III														0													30	
			TOTALS							450				9.75						5			4.6	29.80				256.63	20.906							4.13	I			182.1		
			PAGE 2							600				58.52		96.32																				109.26	II					
										750						14.33																										
										900				21.95																												
TOTALS PAGES 1 & 2										375				85.25		46.33				26	3		74.247	323.48				1068.214	1 / 99.492							49.28 / 292.93	I / II			419.27		
										450				351.34																												
										600				104.554		231.48																										
										750				14.63		18.90																										
										900				21.95																												
										1200				31.70																												
										1800				19.50																												

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT	
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D (mm)	L (m)	TRENCH E (cm)	TRENCH R (cm)	GRAN BKF (cm)	FB	SYSTEM	MKR POST
10+509.5	10+532		LT	150	81.11	34.896	5.63			1	
10+532	10+652		LT	150	62.9	12.06	53.68		1	2	
10+652	10+726		LT	150	74.34	64.60	103.70		1	3	
10+726	10+810		LT	150	84.5	127.86				4	
10+845	10+940		LT	150	95.37	98.79			1	5	
11+000	11+100		LT	150	99.34	99.40			1	6	
11+100	11+180		LT	150	80.29	41.37	60.52		1	7	
11+230	11+277		LT	150	46.07	77.43			1	8	
11+277	11+350		LT	150	75.83	81.05	37.32		1	9	
11+370	11+450		LT	150	81.05	66.45	22.35		1	10	
11+450	11+552		LT	150	102.29	110.50				11	
11+552	11+600		LT	150	49.23	42.88				12	
11+600	11+650		LT	150	50.4	26.97				13	
11+650	11+680		LT	150	28.96	13.35				14	
12+120	12+200		LT	150	80.92	41.84	45.77		1	15	
12+200	12+280		LT	150	80.6		58.38			16	
12+280	12+380		LT	150	101.78	76.97	50.14		1	17	
12+380	12+438		LT	150	59.67	81.62			1	18	
12+455	12+530		LT	150	76.93	107.35			1	19	
12+530	12+600		LT	150	70.57	94.08	13.35		1	20	
12+600	12+700		LT	150	97.53	82.06	28.41			21	
12+700	12+781		LT	150	81.68	120.65	1.12			22	
12+781	12+860		LT	150	77.42	93.177	8.18			23	
8+005	8+005		LT-RT	150	16.79	8.81				24	
TOTALS					1754.97	1613.33	474.56		13		

CEG 1/11/06 RLF 1/24/06

PROJECT NAME: GRAFTON - ROCKINGHAM
PROJECT NUMBER: STP 0126-4(5) C/2

FILE NAME:
PROJECT LEADER:
DESIGNED BY:
PLOT DATE: 24-SEP-2001
DRAWN BY: C. GREENWOOD
CHECKED BY:
SHEET 2 OF 2

121 DRAIN