STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL AND DRAINAGE SHEET

Metric

DRAINAGE STRUCTURES

STA.	STA.	POS.	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	ALLOWABLE OPTIONS PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL	PIPE ELBOWS NO-DEG	PIPE ELBOWS EA.	SCB	DEPTH DI m	CONC CL B m³	REINF STEEL kg	DI GRATE TYPE	CHG ELEV	CRM m³	TR EXCAV EARTH m³	TR EXCAV ROCK m³	COM EXC m³	UNCL CHAN EXC m³	STRUC EXC m³	GRAN BKFL STRUCT m³	GRAN BORR m³	EROS MATT m²	STONE FILL m³	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
1+000.0	1+036.4	LT																								0.6							1.0	I			CONST. SPECIAL DITCH (COM. EX. ON EARTHWORK SHEET)
1+072.4		LT																								0.6							1.0	I			CURB DRAIN
1+088.6	1+091.7	LT																								7.8							7.8	I			
1+108.4		LT																								0.6							1.0	I			CURB DRAIN
1+131.9	1+134.5	RT																								1.9							1.9	I			
1+133.2		RT																															2.2	I			CURB DRAIN
1+144.4		LT																								0.6							1.0	I			CURB DRAIN
1+166.6	1+186.3	RT/LT																								72.9		83.1					72.9	II			CONST. SPECIAL STONE LINED DITCH
1+169.1	1+194.7	RT		HDWL						750	30													3.1	14.5								2.0	II	2		JACKING OR BORING WELDED STEEL PIPE
1+170.0		RT																								0.4							2.2	I			CURB DRAIN
1+170.0	1+195.9	RT																			0.1																	PLUG EXISTING 457 mm RCP
1+180.4		LT																								0.6							1.0	I			CURB DRAIN
1+186.3	1+193.1	LT																								5.6							5.6	I			
TOTALS										750	30										0.1			3.1	105.5		83.1					23.7	I	2		
																																	74.9	II			

GUARDRAIL

STA.	STA.	LENGTH m	END TREATMENT BCT	END TREATMENT MELT
0+953.1 LT	0+996.6 RT	46		1
TOTALS		46		1

REMOVAL AND DISPOSAL OF GUARDRAIL

STA.	STA.	LENGTH m	END TREATMENT BCT	END TREATMENT MELT
0+953.1 LT	0+960.0 RT	7.6		
TOTALS		7.6		

UNDERDRAIN

STA.	STA.	SYS	POS	D mm	L	TRENCH E	TRENCH R	GRAN BKFL	FB	MKR PST
1+035.0	1+182.0	U	RT	150	147	137.2			2	2
1+170.0	1+170.0	C	LT/RT	150	39	31.5				1
TOTALS		U			147	137.2			2	2
		C			39	31.5				1

PROJECT NAME RICHMOND
PROJECT NUMBER CMG PARK(4)