STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL AND DRAINAGE SHEET

STATION	STATION	POS.	ASKEW	INLET/OUTLET TYPE		PIPE		ALLOWABLE OPTIONS				PIPE ELBOW	ES	CB	MH	DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	MANHOLE COVER	CRM	TRENCH EXCAVATION		GRAN BKFILL STRUCT	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
			NO. DEG.	INLET	OUTLET	D IN	L FT	RCP CLASS	CAAP TH	CPEP SL	PCCSP TH	NO. DEG.	EA	EA	EA	FT	CY	LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	SY	CY	TYPE	LT EA	RT EA	
EXISTING DRAINAGE																														
PARK AND RIDE																														
10	72+94.9	72+94.9	LT-LT		DI	PIPE																								RETAIN PIPE AND STRUCTURE IN I-89 MEDIAN
11	71+16.2	76+2.2	LT		PIPE	PIPE																								RETAIN UNDERDRAIN
12	75+62.5	75+61.9	LT-RT		PIPE	PIPE																								RETAIN UNDERDRAIN
13	62+85.2	63+32.9	LT		PIPE	PIPE																								RETAIN PIPE
PROPOSED DRAINAGE																														
PARK AND RIDE																														
2	72+26.5	73+26.3	LT		PIPE	PIPE	18	100																						DUCTILE IRON PIPE, CEMENT LINED. PAID UNDER ITEM 628.28
3	75+57.78		RT		DI	PIPE								1					B(2)			21.6	10.0					1		REMOVE HEADWALL AND INSTALL NEW 6' DIA. PRECAST REINFORCED CONCRETE CATCH BASIN (2 GRATES). REMOVE EXISTING STEEL PIPE AS REQUIRED. SEE DRAINAGE DETAIL SHEET.
TOTALS						18	100	DUCTILE IRON PIPE, CEMENT LINED						1					B=2			21.6	10.0					1		

* EXCAVATION PAID UNDER SPECIAL PROVISION (UNIT BLOCK RETAINING WALL)
** CONNECTION TO EXISTING UNDERDRAIN. NO EXCAVATION REQUIRED.

STEEL BEAM GUARDRAIL, GALVANIZED

BEGIN STATION	END STATION	POSITION LEFT FT	POSITION RIGHT FT	END TREATMENT LEFT FT	END TREATMENT RIGHT FT
See Sheet 40 for Additional Details					
TOTALS					

CURB

SEE ROADWAY LAYOUT SHEET AND
CURB TIE AND LAYOUT SHEET FOR ADDITIONAL DETAILS

TOTAL EXISTING CURB WITHIN CMG PARK (31) = 1301 FT

TOTAL OF NEW VERTICAL GRANITE CURB FOR CMG PARK (31) = 951 FT

TOTAL OF REMOVAL OF EXISTING CURB FOR CMG PARK (31) = 1300 FT

UNDERDRAIN

	BEGIN STATION	END STATION	POSITION	TYPE	DIA IN.	LENGTH FT	TRENCH EARTH CY.	TRENCH ROCK CY.	GRAN BKFILL CF	FB EA	MRK. POST EA
#3	72+26.5	73+26.3	LT-LT	U	6	100	73.0				
#4	72+29.5	73+23.3	LT-LT	U	6	~~111~~ 112	*			1	1
#11	70+48.3	71+15.3	LT-LT	U	6	~~67~~ 68	21.3			1	1
#13	73+50.0	74+17.0	RT-RT	U	6	~~115~~ 116	42.6			2	2
			TOTAL 6 INCH UNDERDRAIN PIPE			393	136.9			4	4
	70+50.0	72+17.9	LT-LT	U	6	168	141.6			2	2
	72+17.9	72+26.5	LT-LT	U	6	~~9~~ 10	7.6				
	73+26.3	73+40.5	LT-LT	U	6	14	11.8				
	73+40.5	76+11.5	LT-LT	U	6	298	251.1			2	2
	76+14.5	76+15.9	LT-RT	U	6	36	30.3				
	76+15.9	75+57.8	RT-RT	U	6	118	99.4			1	1
	74+59.9	75+30.0	RT-RT	U	6	106	117.9			2	2
					DRY SWALE	749	659.7			7	7
	75+61.9	75+57.8	RT-RT	C	6	11	**				
			TOTAL 6 INCH UNDERDRAIN CARRIER PIPE			11					
			TOTALS			1,153	796.6			11	11

TOTALS

PROJECT NAME: **RICHMOND**
PROJECT NUMBER: **CMG PARK (31)**

FILE NAME: **Z97C186ITEMDET.XLS**
PROJECT LEADER: **ERIK ATKINS**
DESIGNED BY: **T. BIGELOW**
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: **11/15/2012**
DRAWN BY: **T. BIGELOW**
CHECKED BY: **E. ATKINS**
SHEET **101** OF **133**