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 IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP TH	PCCSP PI TH	PIPE ELBOW NO-DEG	ES EA	CB	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
9+89		LT																																				CATCH BASIN #21 ADJUST HEIGHT
10+00	12+15	RT																																			215 LF RELOCATED GRASSED DRAINAGE SWALE
10+44		LT																																			CATCH BASIN #22 ADJUST HEIGHT
19+20		LT																																			CATCH BASIN #23 ADJUST HEIGHT
101+70	103+50	LT																																			180 LF RELOCATED GRASSED DRAINAGE SWALE
105+39	106+92	LT																																			153 LF RELOCATED GRASSED DRAINAGE SWALE
105+50	107+00	RT																																			150 LF RELOCATED GRASSED DRAINAGE SWALE
106+92		LT																		1	4.5			D		5.0											NEW DROP INLET #20, 3' DIAMETER, (SEE STD DETAIL D-1, ITEM 604-25)
106+92	106+92	LT-LT	88°07'41"							15	6		0.075		0.079	—										2.3											
106+92		LT																																			EXISTING CB #19, ADJUST HEIGHT, REPLACE GRATE WITH NEW CI FRAME & COVER
106+92	107+70	LT																																			78 LF RELOCATED GRASSSED DRAINAGE SWALE
107+00		RT																		1	4.1			D		4.3											NEW DROP INLET #17, 3' DIAMETER, (SEE STD DETAIL D-1, ITEM 604.25)
107+00	107+31	RT-RT	24°21'57"							18	34		0.075		0.079	—										20.1											
107+17	107+31	RT-RT	62°08'07"							24	28		0.075		0.079	—										22.4											CONNECT TO EXISTING 18" CMP AT STA 107+17 RT
107+21		RT																									9.2										REMOVE EXISTING CATCH BASIN
107+31		RT																		1	5.4			D		6.5											NEW CATCH BASIN #16, 4' DIAMETER, (SEE STD DETAIL D-15, ITEM 604.20)
107+31	107+60	RT-RT	57°21'36"							24	48		0.075		0.079	—										46.3											
107+31	107+37	RT-RT	33°19'36"							6	15															2.6											
107+40		RT																									12.9										REMOVE EXISTING MANHOLE
107+60		RT																		1	7.1			D		8.7											NEW CATCH BASIN #15, 4' DIAMETER, (SEE STD DETAIL D-15, ITEM 604.20)
107+60	107+92	RT-LT	57°21'36"							24	60		0.075		0.079	—										67.6											
107+75	107+92	LT-RT	38°03'52"							18	20		0.075		0.079	—										12.9											
107+75		LT																						COVER													CATCH BASIN #18, ADJUST HEIGHT, REPLACE GRATE WITH NEW CI FRAME & COVER
107+92		LT																		1	7.6			D			10.4										REMOVE EX. CB, NEW CB #14, 5' DIAMETER, (SEE STD DETAIL D-15 ITEM 604.20 (MOD)
107+92	109+03	LT	00°00'00"							30	110		0.075		0.079	—										164.7											ENGINEER TO DETERMINE NEED TO REPLACE 30" PIPE FROM CB #14 TO CB #11
																								COVER													CATCH BASIN #12, ADJUST HEIGHT, REPLACE GRATE WITH NEW CI FRAME & COVER
108+70		RT																		1	8.2			D		9.0											NEW CATCH BASIN #13, 4' DIAMETER, (SEE STD. DETAIL D-15 ITEM 604.20)
108+75		RT																																			CATCH BASIN #11, ADJUST HEIGHT
109+03		LT																																			
																								COVER													CATCH BASIN #10, ADJUST HEIGHT, REPLACE GRATE WITH NEW FRAME AND COVER
110+84		LT																																			MANHOLE #9, ADJUST HEIGHT
110+98		LT																																			
110+98	112+15	LT-LT	01°01'04"							30	115		0.075		0.079	—										85.2											
111+87		RT																		1	6.2			D		5.4											NEW CATCH BASIN #8, 4' DIAMETER, (SEE STD DETAIL D-15 ITEM 604.20)
111+87	112+15	RT-LT	55°53'22"							18	50		0.075		0.079	—										38.8											
112+15		LT																		1	7.0			COVER		7.8											NEW MH #6, 5' DIAMETER, (SEE STD DETAIL D-15, ITEM 604.20)
112+33		LT																									11.7										REMOVE EXISTING CATCH BASIN
112+15	112+15	LT-LT	86°29'42"							15	4		0.075		0.079	—																					
112+15		LT																		1	5.6			D		3.6											NEW CATCH BASIN #7, 3' DIAMETER, (SEE STD DETAIL D-15, ITEM 604.20)
112+15	113+73	LT-LT	1°42'09"							30	155		0.075		0.079	—										102.5											
113+73	115+47	LT-LT	00°27'24"							30	175		0.075		0.079	—										208.4											
113+73		LT																		1	9.5			D		13.0											NEW CATCH BASIN #4, 5' DIAMETER, (SEE STD DETAIL D-15, ITEM 604.20)
113+73	113+74	LT-LT	44°04'01"							15	22		0.075		0.079	—										8.4											
113+74		LT																		1	3.5			D		3.7	9.1										REMOVE EXISTING CATCH BASIN, NEW DROP INLET #5, 3' DIA. (SEE STD DETAIL D-1, ITEM 604.25)
113+74	113+83	LT-LT	26°16'48"							6	10		0.075		0.079	—		22.5°								2.6											CONNECT EXISTING 6" STEEL DRAIN TO CB #5
115+47		LT																		1	7.5			D		7.1											NEW CATCH BASIN #2, 4' DIAMETER, (SEE STD. DETAIL D-15 ITEM 604.20)
115+47	115+45	RT-LT	73°55'21"							18	48		0.075		0.079	—										33.6											
115+47	116+23	LT-LT	10°20'55"							30	75		0.075		0.079	—										123.1											
																				1	5.5			D		4.7											NEW CATCH BASIN #3, 4' DIAMETER, (SEE STD. DETAIL D-15 ITEM 604.20)
115+45		RT																																			
116+23		LT																		1	9.9			D		3.4	16.1										REMOVE EXISTING CATCH BASIN, NEW CATCH BASIN #1, 5' DIA. (SEE STD DETAIL D-15, ITEM 604.20)
116+23	119+27	LT-LT	00°24'37"	/ES						30	304		0.075		0.079	—				1						415.0											NEW END SECTION
TOTALS																				1	11	3				1438.7	69.4										

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT	
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	PDS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST

CONTRACT PLANS

VERMONT AGENCY OF TRANSPORTATION

WILLISTON NHG 5500 (10)S
"TAFT CORNERS"
(US ROUTE 2 & VT ROUTE 2A)

WILLISTON VERMONT

ITEM DETAIL & DRAINAGE SHEET

design RJD
drawn JLC
checked RJD
scale NTS
sht. no. 3

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