SEE LAYOUT SHEETS FOR CHANGES

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	. . . . .	DEPTH CB	CONC CLASS B	REINF STEEL	CB GRATE	CHAN ELEV	UNCLAS CHAN	TRENCH EXCAVATION		GRAN BKFILL STRUCT	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
			NO. DEG.	INLET	OUTLET	D IN	L FT	PCCSP TH	CAAP TH	CSP TH	CPEP	RCP CL	NO. DEG.	EA	EA		FT	CY	LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	SY	CY	TYPE	LT EA	RT EA	
101+67		CL																					14	1							REMOVE 70' EXISTING 18" RCP
106+67		CL																					13	1							REMOVE 52' EXISTING 15" CGMP
108+00		CL		CB		30	88	.079	.075		X					1	4.5			2-B			102				3	II	1	1	60" CATCH BASIN, WITH DOUBLE B GRATES
108+94		CL																					11								REMOVE 58' EXISTING 15" CGMP
110+33		LT				18	36	.064	.060		X																				REMOVE 58' EXISTING 15" DRAINAGE PIPE
111+65		CL	73-52 RT	CB	CH	30	116	.079	.075		X					1	5.0	1.8	283	2-B			120				3	II	1	1	REMOVE 50' EXISTING 18" CGMP; 60" CATCH BASIN, WITH DOUBLE B GRATES
115+28		CL	88-29 RT	CH	CH	42	86	.109	.105									4.5	758				117	3			15	IV			REMOVE 50' EXISTING 24" RCP, STONE FILL PAD, (TYPE IV) @ OUTLET
118+58		LT	72-03 RT																				17	25							REMOVE 39' EXISTING 3' X 3' CONC. BOX CULVERT
119+00		CL		CH	CH	48	86	.109	.105									4.9	840			29	117		13		11/15	II/IV			RELOC. DITCH (LEFT); STONE FILL PAD, (TYPE II) @ INLET; (TYPE IV) @ OUTLET
121+00	121+40	LT-RT		CB		18	74	.064	.060		X					1	5.5			E			19						1		48" CATCH BASIN, WITH BITUMINOUS CONCRETE CURB, (TYPE A)
121+65		LT																					14	24							REMOVE 36' EXISTING 3' X 3' CONC. BOX CULVERT
121+67		CL	83-30 LT			48	104	.109	.105									4.9	840				121		16		9/15	II/IV			STONE FILL PAD, (TYPE II) @ INLET; (TYPE IV) @ OUTLET
126+24		RT	76-38 LT																				4	3							REMOVE 37' EXISTING 18" RCP
130+50	130+75	LT-RT		CB		18	72	.064	.060		X					1	5.5			E			18						1		48" CATCH BASIN, WITH BITUMINOUS CONCRETE CURB, (TYPE A)
131+93		CL		CB		30	140	.079	.075		X					1	4.5			2-B			72	25			3	II	1	1	REMOVE 48' EXISTING 2' X 2' CONC. BOX CULVERT, 60" CATCH ; WITH DOUBLE B GRATES
136+12		LT																					14								REMOVE 49' EXISTING 18" CGMP
137+00		CL		CB		30	122	.079	.075		X					1	5.0			2-B			65				18	IV	1	1	60" CATCH BASIN, WITH DOUBLE B GRATES
138+66.5		LT																					39	1							REMOVE 51' EXISTING 24" CGMP
144+19		CL	88-30 LT																				37	6							REMOVE 47' EXISTING 18" RCP
144+32		CL	64-30 LT	CB		30	116	.079	.075		X					1	4.5			2-B			264				12	IV	1	1	60" CATCH BASIN, WITH DOUBLE B GRATES
145+04		RT																					5								REMOVE 20' EXISTING 15" CGMP
149+12		LT				18	44	.064	.060		X																				REMOVE EXISTING DRAINAGE PIPE (IF PRESENT)
150+94		CL		CB		18	78	.064	.060		X	III				1	3.5			1-A			60	2			1	I	1	1	REMOVE 44' EXISTING 18" RCP; 48" CATCH BASIN
153+35		CL																					26	1							REMOVE 54' EXISTING 18" RCP
155+95		CL																					38								REMOVE 57' EXISTING 18" CGMP
156+00	156+60	LT-RT		CH		30	110	.079	.075		X							1.8	283				103				3/7	I/II	1	1	STONE FILL PAD, (TYPE I) @ INLET; (TYPE II) @ OUTLET
162+00		CL		DI		30	104	.079	.075		X						3.5	2.1	204				198		31		3	II	1	1	+/- 31CY GRANULAR BACKFILL POSSIBLE (MUCK PRESENT) 4X8 THROAT DI @ INLET
164+27		CL																													REMOVE 86' EXISTING 4' X 5' CONC. BOX CULVERT
167+31		CL	73-19 LT																				12	3							REMOVE 48' EXISTING 15" RCP
170+20.5		CL	85-03 RT	CH		24	112	.064	.060		X							1.6	265				77				2/3	I/II	1	1	REMOVE 41' EXISTING 18" CGMP; STONE FILL PAD, (TYPE I) @ INLET; (TYPE II) @ OUTLET
173+64		CL	86-13 LT	CH		18	108	.064	.060		X	III						1.4	232				87	1			6	I	1	1	REMOVE 60' EXISTING 18" CGMP; STONE FILL PAD, (TYPE I) @ OUTLET
T.H. 58																															
20+70	21+85	LT																									26	I			STONE LINED DITCH
21+84	22+26	LT				15	42			.064																					DRIVE CULVERT
22+25	23+00	LT																									17	I			STONE LINED DITCH
	PROJECT TOTALS					15	42			.064						8		23.0	3705	10-B		29	1784	96	60		55	I	12	10	
						18	226	.064	.060		X									1-A							42	II			
						18	186	.064	.060		X	III								2-E							75	IV			
						24	112	.064	.060		X																				
						30	798	.079	.075		X																				
						42	86	.109	.105																						
						48	190	.109	.105																						

STEEL BEAM GUARDRAIL

BEGIN STATION	END STATION	POSITION LEFT	POSITION RIGHT	END TREATMENT 621.50	END TREATMENT 621.60
102+85	115+47.5		1262.5	2	
	T.H. 58				
117+08	21+50		825.0		2
125+92.5	144+67.5		1875.0	2	
149+62.5	154+87.5		525.0	2	
155+97.5	159+10		312.5	1	1
161+06.9	162+69.4		162.5		1
163+65	164+27.5	62.5		1	
164+19.5	173+44.5		925.0	1	
165+47.1	166+47.1	100.0			1
TOTAL		6050		9	5

BITUMINOUS CONCRETE CURB, TYPE A

BEGIN STATION	END STATION	POSITION LEFT	POSITION RIGHT	END TREATMENT LEFT	END TREATMENT RIGHT
121+40	124+00		260		
130+75	134+50		375		
TOTAL			635		

GRANITE SLOPE EDGING

BEGIN STATION	END STATION	POSITION LEFT	POSITION RIGHT	END TREATMENT LEFT	END TREATMENT RIGHT
115+85	116+85	108			
TOTAL		108			

UNDERDRAIN

BEGIN STATION	END STATION	TYPE	POSITION	DIAMETER	LENGTH	TRENCH EARTH	TRENCH ROCK	FLUSHING BASIN	MARKER POSTS
103+00	108+00	U	LT	8	500	315		1	1
108+00	111+00	U	LT	8	300	207		1	1
111+55	115+00	U	LT	8	345	217		1	1
115+27	117+50	U	LT	8	223	139		1	1
121+60	122+50	C	RT-LT	8	125	37			1
122+50	126+50	U	LT	8	400	252		1	1
127+00	130+00	U	LT	8	300	189		1	1
127+00		C	CL	8	98	29		1	2
133+50	137+00	U	LT	8	350	228		1	2
137+00	141+00	U	LT	8	400	260		1	1
141+50	144+25	U	LT	8	276	147		1	2
144+00	145+00	C	RT	8	120	35			
144+50	151+50	U	LT	8	700	440		1	1
145+00	150+50	U	RT	8	550	345		1	1
157+50	161+50	U	LT	8	400	72	178	1	1
161+50	162+00	C	LT	8	50	15			
165+55	169+00	U	LT	8	350	220		1	2
170+30	171+50	C	LT	8	125	25			
171+50	173+50	U	LT	8	200	134		1	1
173+70	174+00	C	LT	8	35	11			
174+00	177+00	U	LT	8	300	202		1	1
		UNDERDRAIN		8	5594	3367	178	15	18
		*CARRIER PIPE		8	617	152		1	3
		TOTALS			6211	3519	178	16	21

* FOUR FEET OF CARRIER PIPE WAS ADDED FOR EACH FLUSHING BASIN

PROJECT NAME: CABOT-DANVILLE
PROJECT NUMBER: FEGC F 028-3(26) C/I

FILE NAME: d78d058frm.dgn
PROJECT LEADER: K. ROBIE
DESIGNED BY: I. SHEA
ITEM DETAIL & DRAINAGE SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: I. SHEA
CHECKED BY: S. MENARD
SHEET 14 OF 250