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 SL	CPEP	PIPE ELBOW NO-DEG	ES EA	CB	PROJECTION	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	EARTH BORR CY	RIGID PLASTIC PIPE LF	REMARKS
173+00		CL		ES						18	116	.064	.060	III		X			1									114								2	I	1	1			STONE FILL TYPE I @ OUTLET
174+00		RT																									38	5														REMOVE EXISTING 15'' RCP
177+40		RT																									20	5														REMOVE EXISTING 15'' RCP
178+35		LT		ES						24	68			III	.064	X			1									4									1				DRIVE CULVERT
178+50		RT								12	22				.064					1							4													TO BE LOCATED AT THE LOW POINT, FIELD VERIFY
178+80		CL		ES						36	80	.079	.075	III			X				5.0	3.2	279	2-B			49								7	II	1	1			4' X 6' D. I., STONE FILL TYPE II @ OUTLET
179+20		CL																									37	5														REMOVE EXISTING 24'' RCP
182+00		RT								12	41				.064			1-10		1							18														
183+70		CL																									47	5														REMOVE EXISTING 18'' RCP
186+90		RT																									27	5														REMOVE EXISTING 15'' RCP
189+00	192+00	LT																																	89	I						SPECIAL DITCH WITH STONE FILL, TYPE I (MAINLINE COM. EX.)
190+43		RT																									32	5														REMOVE EXISTING 15'' RCP
192+02		CL		ES						18	100	.064	.060	III		X			1									23								3	I	1	1			OUTLET DITCH W/STONE FILL TYPE I
194+33		RT																									32	5														REMOVE EXISTING 18'' RCP
195+00		CL		ES						18	96	.064	.060	III		X			1									8								2	I	1	1			STONE FILL TYPE I @ OUTLET
198+35		LT		ES/ES						15	36			III	.064	X			2																								DRIVE CULVERT
203+00	204+00	LT																									41															SPECIAL DITCH
203+22		RT																									27	5														REMOVE EXISTING 15'' RCP
209+50		RT								12	22				.064			1-10		1							1															
210+00		CL	73° RT	CRHWL						54	84	.109	.105														4	46				84	285			32	II	1	1			C. R. M. CRADLES, INLET AND OUTLET DITCHES (W/STONE FILL TYPE II)
210+30		CL																									38	5														REMOVE EXISTING 30'' C.M.P.
212+50		RT								12	16				.064					1							1	1														
212+62		CL		DI						18	64	.064	.060				X					4.0	2.1	193	1-B			28	25									1	1			REMOVE EXISTING 18'' C.M.P.
215+00		CL		DI						18	88	.064	.060	III		X						4.5	2.3	200	1-B			2	60							2	I	1				STONE FILL TYPE I @ OUTLET
217+00	218+50	LT																																								SPECIAL DITCH INCLUDED IN COMMON EXCAVATION
218+49		CL																									32	5														REMOVE EXISTING 18'' R.C.P.
218+50		CL		ES						30	88	.079	.075	III		X			1									81								10	II	1	1			OUTLET DITCH,, STONE FILL, TYPE II, @ IN & OUT
218+50	219+25	LT																																			45	II					SPECIAL DITCH W/STONE FILL TYPE II, COMMON EXC.
219+60		CL																									48	10														REMOVE EXISTING 15'' R.C.P. AND 18'' C.M.P.
221+15		CL																									24	5														REMOVE EXISTING 15'' R.C.P.
221+75		LT																									30														30	ADJUST CELLAR DRAIN TO CONNECT TO NEW D. I.
																																										AS NEEDED, REPLACE WITH NEW RIGID PLASTIC PIPE.
222+00	223+94	LT		DI						12	208			III	.064	X						3.5	1.9	158	1-B			138									1				DRIVE CULVERT OUTLET INTO SPECIAL DITCH.
222+95		LT																									47									1			20		CONNECT EXIST. 4'' CELLAR DRAIN TO NEW 12'' PIPE.
																																										AS NEEDED, REPLACE WITH NEW RIGID PLASTIC PIPE.
223+46		CL		DI						18	56	.064	.060	III		X						8.0	3.9	347	1-B			46	5							3	I	1	1			REMOVE EXIST. 15" RCPW/STONE FILLTYPE I @ IN & OUT
223+55	224+95	LT																									28								41	I					CONSTRUCT SPECIAL DITCH W/STONE FILL TYPE I
224+00		RT								12	13				.064			1-10		1																				
224+50		RT								12	11				.064			1-10		1																				
225+00		CL		ES						42	116	.109	.105						1									119								8	I	1	1			W/6'-6" VERTICAL RISER
225+00		LT								24	2				.064										1-C																FOR VERTICAL RISER FOR PIPE @ 225+00 CL
225+00		LT								18	4				.064																										W/CONCENTRIC REDUCER SECT. FOR VERTAL RISER
225+25		LT																									22	5														REMOVE EXISTING 18'' R.C.P.
226+50		RT								12	17				.064					1																						
226+75		LT								15	32			III	.064	X																										CONSTRUCT FIELD DRIVE 15" X 32' OPTION PIPE
227+00	228+50	LT																									18															SPECIAL DITCH (4' WIDE X 166' LONG)
228+00		CL		DI						18	68	.064	.060			X						4.0	2.1	193	1-B			14									1	1				
232+88		RT																									34	5														REMOVE EXISTING 24'' C.M.P.
DRAINAGE SHEET 2 TOTALS										12	208			III	.064	X							15.5																		
										12	142				.064			4-10		7				1370	7-B																		
										15	68			III	.064	X			2								4	131	81	66		84	285			150	I	1	4	10		50	
										18	456	.064	.060	III		X			3						1-C											94	II						
										18	64	.064	.060				X																										
										18	68	.064	.060			X																										
										18	4				.064																												
										24	2				.064																												
										24	68			III	.064	X			1																								
										30	88	.079	.075	III		X			1																								
TOTALS										36	80	.079	.075	III																												
										42	116	.109	.105	W/ 6'-6'' RISER																												
										54	84	.109	.105																												

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT 621.65	END TREATMENT 621.66
	CABLE GUARD RAIL				
96+50	110+00	1350		1	1
	GUARD RAIL APPROACH SECTION,				
	NETC 2 RAIL				
117+66.5	117+96.5	1			
120+92	121+22	1			
118+54.5	118+83		1		
121+81	122+10		1		
130+04	130+32.5	1			
133+18.5	133+47	1			
129+43.5	129+72.5		1		
133+01	133+31.5		1		
140+60.5	140+90.5	1			
144+48.5	144+79	1			
141+35	141+64		1		
144+81	145+09.5		1		
	TOTAL	6	6		
			12		
	GUARD RAIL APPROACH SECTION,				
	NETC 2 RAIL (MODIFIED)				
123+24.5	123+43	1			
127+00	127+18.5	1			
	TOTAL	2			
	6' SODDED DITCH				
150+50	154+50	15			
219+35	224+75	360			
243+00	243+70	47			
244+05	244+66	41			
263+50	268+57	333			
	TOTAL	796			
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
173+52	177+50	U	LT	6	398	140			2	2
177+50		C	LT-RT	6	73	25			1	1
177+52	178+77	U	RT	6	125	35			1	1
178+77		C	RT	6	12	2			1	1
178+83	181+00	U	RT	6	217	71			1	1
181+00		C	RT	6	28	8			1	1
181+00	184+50	U	RT	6	350	141			2	2
184+52	188+25	U	RT	6	373	130			2	2
185+00	187+00	U	LT	6	200	66			1	1
187+00		C	LT	6	15	3			1	1
188+25		C	RT	6	20	5			1	1
188+75	192+04	U	LT	6	329	102			2	2
192+04		C	LT-RT	6	90	19			1	1
192+06	195+01	U	LT	6	295	94			2	2
195+01		C	LT-RT	6	90	21			1	1
195+03	198+50	U	LT	6	347	120			2	2
198+50		C	LT-RT	6	81	12			1	1
198+52	206+62	U	LT	8	810	268			3	3
198+75	207+00	U	RT	8	825	449			3	3
206+62	206+75	C	LT	8	24	4			1	1
207+00	207+37	C	RT	8	47	13			1	1
207+58	207+65	C	RT	6	15	2			1	1
207+65	208+25	U	RT	6	60	20			1	1
211+75	212+62	U	LT	6	87		49		1	1
212+67	215+00	U	LT	6	233		119		1	1
215+05	218+25	U	LT	6	320	65	43		2	2
DRAINAGE SHEET 2 TOTALS		U		6	3334	1815	211		29	37
		C		6	424					
		U		8	1635				8	(MOD.
		C		8	71					

/78D096/DESIGN/DD096.DGN

PROJECT NAME SEARSBURG-WILMINGTON
PROJECT NUMBER NHF 010-1(18)

26-FEB-2002 DD096DR2
SHEET 14 OF 435 SHEETS