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	E S EA	CB	PROJECT	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
268+50		RT								12	20				.064						1														1	I					STONE FILL PAD AT OUTLET
268+50		LT																										17														REMOVE EXISTING 18'' C.M.P.
268+75		LT		ES/ES						15	28			III	.064	X			2									12										2				DRIVE CULVERT
272+18		CL		HW						60	164		.135													12.3				30	293	660		30	II					INLET & OUTLET DITCH, W/STONE FILL TYPE II 9' VERTICAL RISER
																																		33	IV					FOR ENERGY DISSIPATION
272+18		LT								24	2				.064									1-C																	FOR VERTICAL RISER FOR PIPE @ 272+18 CL
272+18		LT								18	6				.064																										W/CONCENTRIC REDUCER SECT. FOR VERTAL RISER
272+25		LT																										136	5											REMOVE EXIST. 48'' C.M.P.
273+50		RT								12	17				.064						1																			
274+00		CL		ES						30	104	.079	.075				X		1									33							5	II	1	1			OUTLET DITCH, W/STONE FILL TYPE II
																																		14	IV					FOR ENERGY DISSIPATION
274+29		CL																										40	5											REMOVE EXISTING 24'' CONC. CULVERT
274+36		CL																										36												REMOVE EXISTING 24'' C.M.P.
276+22		CL		DI						18	76	.064	.060			X						4.5	2.3	200	1-B			60	5							3	I	1	1			OUTLET DITCH, W/STONE FILL TYPE I, REMOVE EXISTING 18'' R.C.P.
278+50		CL		DI						18	92	.064	.060	III			X		1			4.5	2.3	200	1-B			52								2	I	1	1			OUTLET DITCH, W/STONE FILL TYPE I
280+00	282+50	LT																																	74	I					SPECIAL DITCH, W/STONE FILL TYPE I, COMMON EXCAVATION
280+00	280+50	RT-LT		ES						30	116	.079	.075	III		X			1									43								12	II	1	1			OUTLET DITCH, W/STONE FILL TYPE II
280+55		LT																										45	10											REMOVE EXISTING 36'' C.M.P.
280+75	281+05	RT																																						SPECIAL DITCH, COMMON EXCAVATION
282+50	287+00	LT																																	30	I					SPECIAL DITCH, COMMON EXCAV., STONE FILL TYPE I, 284+50~285+50
283+95		LT																										30	5											REMOVE EXISTING 18'' R.C.P.
285+00		CL		CH						36	100	.079	.075	III			X										2.8	149								27	II	1	1			CRADLE H.W., LT & RT OUTLET DITCH (STONE FILL TYPE II
285+90		LT																										38												REMOVE EXISTING 18'' R.C.P.
288+21		CL																										31	5											REMOVE EXISTING 15'' R.C.P.
289+30		CL	55° LT	DI						24	88	.064	.060	III		X						5.0	2.6	231	1-B			35								4	II	1	1			
290+34		CL																										45	5											REMOVE EXISTING 18'' R.C.P.
290+50		LT																										27												REMOVE EXISTING 18'' C.M.P.
290+54		LT		ES/ES						18	56			III	.064	X			2									35										2				DRIVE CULVERT
	WEST CONNECTOR																																								
23+00		CL								18	52	.064	.060	III			X					3.0	1.7	150	1-B			29								2	I	1	1			
	EAST CONNECTOR																																								
12+00		RT																										30	5											REMOVE EXISTING 15'' C.M.P.
12+40		CL		DI						18	56	.064	.060	III		X						4.5	2.3	200	1-B			54								1	I	1	1			
	EAST DRIVE CONNECTOR																																								
20+60				ES						18	92	.064	.060	III			X		1									36								4	I	1	1			
DRAINAGE SHEET4 TOTALS										12	35				.064						2																				
										15	28			III	.064	X			2			11.2		5-B		15.1		45		30	293	660		117	I	13	9			
										18	56	.064	.060	III		X							981				1013								78	II					
										18	56			III	.064	X			2					1-C											47	IV					
										18	236	.064	.060	III			X		1																							
										18	76	.064	.060			X																									
										18	6				.064																									
										24	2				.064																									
										24	88	.064	.060	III		X			1																						
										30	116	.079	.075	III		X			1																						
										30	104	.079	.075				X																									
										36	100	.079	.075	III			X																									
										60	164		.135					W/9' RISER																								
TOTALS																																								

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT
REMOV. & DISPOS. OF EXISTING GUARD RAIL				
105+64	107+94	230		
108+90	109+77	87		
110+90	115+85	495		
115+36	115+88		52	
116+13	118+29	216		
116+16	118+44	228	RT-LT	
120+12	124+07	395		
144+85	151+25	640		
151+25	156+50	525	LT-RT	
156+50	160+45		395	
161+10	164+95	385	LT-RT	
186+05	194+00		795	
207+13	207+83		70	
207+18	207+88		70	
211+24	216+87		563	
217+42	219+71		229	
226+60	236+00	940	LT-RT	
240+70	249+70	900	LT-RT	
250+50	254+00		350	
EDC 23+70	263+00		420	
254+00	EC 14+40		320	
261+80	262+60		80	
269+20	275+80	LT-RT	660	
287+90	290+95		305	
WEST CONNECTOR				
21+48	24+00	252		
TOTALS		5293	4309	
		9602		

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
264+36	267+50	U	LT	6	314	94			2	2
264+38	267+25	U	RT	6	287	97			2	2
264+38		C	RT	6	70	31			1	1
267+62	269+00	U	LT	6	138	52			1	1
276+25	278+50	U	LT	6	225	78			1	1
278+55	284+50	U	LT	6	595	313			3	3
284+50		C	LT-RT	6	74	31			1	1
286+00	289+45	U	LT	6	345	148			2	2
286+00		C	LT-RT	6	65	12			1	1
289+50	291+00	U	LT	6	150	60			1	1
ROUTE 9 EAST CONNECTOR										
10+50	12+40	U	LT	6	190	27	60		1	1
TOTALS										
DRAINAGE SHEET 4		U		6	2244	943	60		16	16
		C		6	209					
DRAINAGE SHEET 1		U		6	4431	1687	627		29	29
		C		6	589					
DRAINAGE SHEET 2		U		6	3334	1815	211		29	37
		C		6	424					
		U		8	1635				8	(MOD.)
		C		8	71					
DRAINAGE SHEET 3		U		6	4224		1095		31	31
		C		6	316	1040				
ESTIMATED		U		6	500	150			2	2
		C		6	100	30			2	2
GRAND TOTALS		U		6	14733	5665	1993		109	117
		C		6	1638					
		U		8	1635				8	(MOD.)
		C		8	71					

/78D096/DESIGN/DD096.DGN

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

21-FEB-2002 DD096DR4
SHEET 16 OF 435 SHEETS