ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

FINAL DRAINAGE SEARSBURG - WILMINGTON

Drainage Sheet #	STA.	STA.	BK/PG#	ASKEW	12" CSP 601 .0005 L (FT)	15" CSP 601 .0010 L (FT)	18" CSP 601 .0015 L (FT)	24" CSP 601 .0025 L (FT)	30" CAAP 601 .0236 L (FT)	60" CAAP 601 .0268 L (FT)	42" PCCSP 601 .0452 L (FT)	48" PCCSP 601 .0457 L (FT)	54" PCCSP 601 .0527 L (FT)	15" CPEP(SL) 601 .2610 L (FT)	18" CPEP(SL) 601 .2615 L (FT)	24" CPEP(SL) 601 .2620 L (FT)	30" CPEP(SL) 601 .2625 L (FT)	36" CPEP(SL) 601 .2630 L (FT)	42" CAAPES 601 .6252 L (FT)	12" CPEP(SL) 601 .3005 L(FT)	15" CPEPES 601 .7010 EA	18" CPEPES 601 .7015 EA	30" CPEPES 601 .7025 EA	30" CAAPES 601 .6236 EA	48" CAAPES 601 .6252 EA	48" CAAPES 601 .6257 EA	ES EA	CB 4'	CB 5'	PRECDI	DEPTH DI (FT)	PRECAST CONC ~~CL B~~ DI 6926	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	SAND BORR CY	EROS MATT CY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	GEO LINER UNDER STONE FILL SY	GEO for culvert in min 699.71 SY
1	98+41 ℄	Removal	2/6																																		Ø	3.3													
1	98+43 ℄		2/8												66'													1			5.0			1-B			26.4	Ø							1.3	I	1	1		
1	102+50	102+90 RT	2/12														40'																			3.5	40.2	8.4							6.2	II	1	1		
2	102+96 ℄		2/16	Includes 20" RCP Removal in Bk#2, Pg 20													76'												1		6.0			1-B			45.0	10.1					3.6			2.7	II	1	1		
2	105+52 ℄		2/22												90'													1			6.5			1-B			70.2	14.9								1.0	I	1	1		
2	106+00 RT	Removal	2/26																																		Ø	1.8													
2	107+75 ℄		2/30	Includes 15" RCP Removal Bk#2 Pg 28													80'											1			6.0			2-B			38.7	42.3						40.4'		7.4	II	1	1		
2	110+20 ℄		2/34														90'												1		5.0			2-B			84.7	8.3						41.2'		7.4	II	1	1		
3	110+25 LT	Removal	2/38																																		23.5	10.0													
3	112+22 ℄	Removal	2/40																																		6'	Ø													
1	115+50 ℄		2/42												60'													1			6.8			1-D			Ø	Ø					20.2			Ø	I		1		
1	117+90 ℄		2/46												64'													1			7.0			1-D			Ø	Ø						18.4		1.8	I		1		
1	121+24 LT	123+00 LT	2/50												174'														1		7.2			2-D			0'														
1	123+00 ℄		2/54												58'													1			6.8			1-D			0'									3.7	I		1		
3	124+81 ℄		2/60												120'																					1.79	71.8	Ø						14.3		3.7 7.4	I II		1		
1	124+81 ℄		2/64												56'													1			5.0			1-D												3.7	I		1		
1	~~138+00 RT~~	136+04 RT	2/68		22'																								1		4.4																3.7	I		1		
3	128+52 LT	56' LT	2/74	20°20'00" LT											50'																						25.7	1.0						14.4							
1	~~129+65 RT~~	129+25 RT	2/78												30'													1			6.3			2-D												2.1	I		1		
1	~~133+28 RT~~	133+50 RT	2/82		22'																								1		4.4																2.1	I		1		
1	139+50 LT	140+87 LT	2/86												140'													1			7.0			1-D									38.4								
1	140+87 ℄		2/90												62'													1			7.0			1-D									18.4			3.7	I		1		
1	144+65 LT	146+00 LT	2/94												128'														1		6.5			2-D									27.4								
4	145+50 RT	145+72 LT	2/98	Removal 24" RCP																																	27.8	2.2													
5	145+77		2/100	60°45'55" LT											108'													1			4.5			1-B			44.1	13.8						30.1		2.1	I		1		
5	150+00 LT	151+50 LT	2/104	Alignment																																	0	0										Ø	Ø		
5	151+43 ℄	Removal	2/108	18" RCP in D.I.																																	5.6	4.9													
4	154+65 ℄		2/112												70'													1			6.3			1-B			23.9	6.6						22.3		2.1	I	1	1		
4	158+70 ℄		2/118											64'															1		4.8			2-B			18.0	15.5						24.6				1	1		
6	159+00 RT		2/122		14'																								1		4.4																				
6	161+50 ℄		2/126												82'													1			4.8			2-B			Ø	26.3						22.1		3.7	I	1	1		
6	162+00 RT		2/130		28'																								1		4.4						9.4	Ø													
6	163+65 LT		2/132	Quantities in Book #2 - Not drawn on Dr. Sheet													12'																			5.9	Ø	3.5													
6	163+65 ℄		2/136														84'											1			6.0			2-B			7.0	9.4						39.5		7.4	II	1	1		
6	164+35 ℄	Removal	2/140																																		12.5	Ø													
6	167+41 LT		2/142										28'															1			4.4			1-B			33.0	Ø								8.0	I	1			
7	167+65 ℄	Removal	2/146																																		18.9	Ø													
6	168+00 ℄		2/148						80'																												29.7	21.9								2.2 3.7	I+II	1	1		
7	171+70 ℄	Removal	2/152	Replace 12" RCP																																	38.4	Ø						42.6							
8	172+12 LT		2/154	Quantities in Book #2 - Not drawn on Dr. Sheet										52'														2																								
7	173+00 ℄		2A/6														12'																				62.9	10.4						39.0		3.7	I	1	1		
7	174+00 RT	Removal	2A/10	Remove 15" RCP																																	24.0	1.8													
7	177+40 RT	Removal	2A/18	Remove 15" RCP																																	7.6														
7	178+25 LT		2A/19											68'						24" CPEPES 1								1									30.2	3.1						24.6				1			
8	178+50 RT		2A/18		22'																								1		4.4						4.4									3.7	I				
7	178+80 ℄		2A/22															80'											1		7.0			2-B			84.2							38.2		5.9	II	1	1		
9	179+20 ℄	Removal	2A/26	Remove 24" RCP																																	14.3														
8	181+73 RT	Revised	2A/28	42'																											4.5						13.3									2.7	I				
9	183+70 ℄	Removal	2A/32	Remove 18" RCP																																	14.1														
9	186+90 RT	Removal	2A/34	Remove 15" RCP																																	5.6														
9	189+00 LT	192+00 LT	2A/36																																																
9	190+13 RT	Removal	2A/38	Remove 24" RCP																																	14.4	2.1													
8	192+03 ℄		2A/40												100'													1									24.6							28.6		2.1	I	1	1		
9	194+33 RT	Removal	2A/44	Remove 15" RCP																																	17.8	3.7													
8	195+00 ℄		2A/46												16'													1									26.7							34.9		2.1	I	1	1		
8	198+35 ℄		2A/50	Pipe eliminated due to field conditions										Ø			No quantities																																			
9	203+00 LT	204+00 LT	2A/54	Remove 15" RCP																																	37.0														
9	203+22 RT	Removal	2A/56	Remove 15" RCP																																	Ø														
9	209+50 RT		2A/58	22'																									1		4.5																				
10	210+00 ℄		2A/62	73° RT								84'																								2.0	37.0				107.7	95.2			29.6	II		1		
11	210+30 ℄	Removal	2A/66	Remove 24" CMP																																	22.1														
9	212+50 RT		2A/68	18'																									1		4.5																				
12	212+62 ℄		2A/74												66'													1			5.6			1-B			5.6	19.9						3.8				1	1		
12	215+00 ℄		2A/78												30'													1			5.0			1-B				19.9						33.5		3.7	I	1			
11	218+49 ℄	Removal	2A/82	Remove 15" RCP																																	Ø														
11	219+50		2A/84														86'																				58.9							36.9		2.2	II	1	1		
	TOTALS				190				80			84	120	1802	132		468	80		1 24" CPEPES	6	14	9	8			20-B 12-D	13.8	1201.1	388.6		107.7	590.2	20.2	177.6		63.1 79.9	Type I Type II	21	25	91.41 A. 4/20/04	

STA.	STA.	TYPE	POS.	D 6"	D 8"	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST	Book/Pg.
97+00	102+90	U	RT	6		605	338.5	84		2		2/4
103+00	105+52	U	RT	6		254		118.9		1		2/12
105+54	107+75	U	RT	6		225	49.0	32.8		1		2/18
107+77	110+20	U	RT	6		245	40.4	19.8		1		2/24
110+25	112+50	U	RT	6		238	73.0	2.6		1		2/30
—	112+50	C	LT-RT	6		65	18.1	0	17.1	1		2/30
123+00	123+25	U	LT	6		134	38.2	0		1		2/36
—	123+25	C	LT-RT	6		68	3.6	0		1		2/36
135+25	137+00	U	RT	6		183	6.9	53.3		1		2/42
—	137+00	C	LT-RT	6		71	8.0	0	10.0	1		2/42
146+46	150+00	U	RT	6		354	0	71.5		1		2/48
—	150+00	C	LT-RT	6		70	23.5	3.7	3.4	1		2/48
160+00	162+25	U	LT	6		225	42.3	5.1		2		2/54
169	170+50	U	RT	6		150	0	118		1		2/62
—	170+50	C	RT-LT	6		58	16.5	8.7	8.5	1		2/62
178	179+00	U	RT	6		100	0	45		1		2/68
500	501+00	U	LT	6		100	0	100.1		1		2/74
—	153+50	C	RT	6		131	4.5	0	12.5	1		2/74
490	491+85	U	LT	6		185	0	100.1		1		2/80
513	514+70	U	RT	6		114	0	114		2		2/80
—	161+50	C	RT-LT	6		68	0	8.5		1		2/86
490	167+02	U	LT	6		355	56.5	67.1		1		2/92
—	169+50	C	LT-RT	6		81	35.6		11.0	1		2/92
818	169+52	U	LT	6		407	200.7	12.0		2		2/98
—	173+50	C	LT-RT	6		101	55.9		13.3	1		2/98
708	173+52	U	LT	6		407	36.6			2		2/104
—	177+50	C	LT-RT	6		73	22.8			1		2/104
780	177+52	U	RT	6		122	35.6			1		2/110
—	178+77	C	RT	6		16	0			1		2/110
944	178+83	U	RT	6		230	79.5			1		2/116
—	181+00	C	RT	6		28	0			1		2/116
611	181+00	U	RT	6		353	133.8	10.0		2		2/122
580	184+52	U	RT	6		384	115.0	4.7	2.9	2		2/128
—	188+25	C	RT	6		20	6.0			1		2/128
—	185+00	U	LT	6		0	(system eliminated)					2/134
685	188+75	U	LT	6		329	105.3			2		2/140
—	192+04	C	LT-RT	6		90	0			1		2/140
677	192+06	U	LT	6		302	98.6	6.7		2		2/146
—	195+08	C	LT-RT	6		90	8.5			1		2/146
617	195+10	U	LT	6		352	118.5	1.2		2		2/152
—	198+50	C	LT-RT	6		81	12.5		11.5	1		2/152
1440	198+52	U	LT		8	836	398.6	4.4		3*		2/4
—	206+50	C	LT		8	28	9.8		4.4	1*		2/14
1650	199+45	U	RT		8	758	418.1	1.2		2*		2/14
—	207+00	C	RT		8	42	0			1*		2/14
—	198+75	U	RT	6		70	0			1		2/14
93	207+65	U	RT	6		60	18.3			1		2/20
—	207+58	C	RT	6		20	0			1		2/20
120	211+75	U	LT	6		87	0	21.5		1		2/26
466	212+67	U	LT	6		333	0	113.7		1		2/26
478	215+05	U	LT	6		332	37.6	66.7		2		2/32
—	218+25	C	LT	6		84	0			1		2/32
897	218+75	U	LT	6		477	133.4	12.8		2		2/38
—	222+95	C	LT	6		0	0	No work done				2/38
80	222+63	U	LT	6		80	18.5			Ø		2/44
—	222+63	C	LT	6		20	0			Ø		2/44
500	228+50	U	LT	6		258	0	141.7		1		2/50
—	228+50	C	LT-RT	6		60	0	180	8.3	1		2/50
769	229+50	U	RT	6		158	47.7	18.8		1		2/56
—	229+50	C	RT	6		28	8.0		2.9	1		2/56
18199'	to Sheet #2	Sheet 1		Totals		6"UD	8761	2009.5	1007.1	109.5	64	6"
						6"carrier	1135				7	8"
						8"UD	1518					
						8"carrier	70					
				TOTALS								

PROJECT NAME:	SEARSBURG - WILMINGTON
PROJECT NUMBER:	NHF 010-1(18)
FILE NAME: G:\landqty01.dgn	PLOT DATE: 03-SEP-2003
PROJECT LEADER: G. DUBRAY	DRAWN BY: JJR
DESIGNED BY:	CHECKED BY:
	SHEET 1 OF 3

3.6 Earth Borrow

ACC 4/21/04