ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

FINAL DRAINAGE SEARSBURG - WILMINGTON

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 .3205 L (FT)	15" CPEPES 601 .7210 EA	18" CPEPES 601 .7215 EA	30" CPEPES 601 .7225 EA	30" CAAPES 601 .6236 EA	42" CAAPES 601 .6252 EA	48" CAAPES 601 .6257 EA	ES EA	CB 4'	CB 5'	PRCD I	DEPTH DI FT	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	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 Underdrain 649.41 SY
218+50 LT	219+25 LT	28/88		Remove 15" CMP																																										71.0	II				
219+60 E	REMOVAL	28/90		Remove 15" RCP																																Ø	3.0														441
221+15 E	REMOVAL	28/92		Remove 15" RCP																																Ø	2.4														296
221+75 LT	Install Pipe	28/94		Install 15" RCP																																5.6	Ø														—
222+00 LT	223+94 LT	28/96																	198							1			3.0			1-B			7.4	Ø											1			500
222+95 LT	CONVERTION	28/100																																		2.2	Ø											Ø			356
223+46 E		28/104												56												1			4.0			1-B			19.0	Ø					5.5			3.7	I	1	1			—
223+55 LT	224+95 LT	28/108																																		Ø	Ø								3.7	I					218
224+00 RT		28/112		16																								1	4.4																						266
224+50 RT		28/116		16																								1	4.4																						814
225+00 E		28/120								116															1	1										48.7	Ø								3.7	I	1	1			846
225+00 LT		28/124	126			4	2																									1-6																			856
225+25 LT	REMOVAL	28/128		Remove 18" RCP																																17.2	4.0														400
226+50 RT		28/130		16																								1	4.4																						—
226+75 LT		28/132												40																																					796
227+00 LT	228+50 LT	28/134		Remove 15" CMP																																49.2	Ø														—
228+00 E		28/136												66												1			4.0			1-B			6.6	7.5					17.8					1	1			796
232+88 RT	REMOVAL	28/140		Remove 24" CMP																																23.1	Ø														205
233+50 E		28/142												116												1			5.0			1-B			27.6	13.6					28.1			3.7	I	1	1			194
236+36 E		28/146												76												1			6.5			1-B			18.9	Ø					30.0					1	1			—
236+70 LT	REMOVAL	28/150		Remove 15" CMP																																Ø														1188
237+45 LT	REMOVAL	28/152		Remove 24" CMP																																37.8	15.0														489
238+30 LT	REMOVAL	28/154		Remove 24" CMP																																Ø	4														—
238+50 E		28/156										112													1	1										37.0	Ø					37.9			7.4	II	1	1			215
238+72 LT	239+50 LT	28/160																64																		Ø	Ø														450
239+15 LT	REMOVAL	28/170		Remove 15" CMP																																Ø														1190
240+00 LT	REMOVAL	28/172		Remove 15" CMP																																Ø	Ø														—
241+10 LT	241+62 LT	28/174												52																						Ø	Ø					13.9									613
244+05 E		28/176												64												1			9.0			1-B			42.8	Ø					20.1					1	1			—
244+56 E	REMOVAL	28/200		Remove 18" RCP																																12.2	2.4														224
245+50 E		28/202												88												1			5.7			1-B			89.9	Ø					26.4					1	1			—
246+00 LT		28/206											76									1				1										22.7	Ø					17.4									896
246+10 E	REMOVAL	28/208		Remove 15" RCP																																Ø	Ø														
246+83 E		28/210		Remove 15" RCP Install 24" CMP Flow →										72												1			6.0			1-B			46.9	Ø					24.7					1	1			9948 - Sheet #2
248+49 E	REMOVAL	28/214		Remove 15" RCP																																14.5	Ø														
250+80 LT	REMOVAL	28/220		Remove 15" CMP																																Ø	Ø														
251+00 E		28/238												84												1			4.8			1-B			29.6	4.2					25.7			2.1	I	1	1			
252+00 RT	REMOVAL	28/242		Remove 15" RCP																																19.0	5.9														18199
253+50 E		28/244												104												1			4.9			1-B			62.6	14.3					31.5			2.1	I	1	1			
258+65 LT		28/248		Change from 15" → 18" Install Field Catch Basin									2	70											2										31.1	Ø														28147
258+74 LT	260+78 LT	28/252		Special Ditch																																83.4	Ø								55.6	I			16734	
259+50 RT	260+00 LT	28/254												104												1			3.5			1-B			47.1	6.1														
260+00 RT	260+30 RT	28/258		Install Ditch																																Ø	Ø														
260+00 RT	261+20 RT	28/260		Special Ditch																																Ø	Ø														
261+80 LT		28/262												58												1			4.0			1-B			56.4	Ø					22.6			2.2	I	2				
265+05 LT	REMOVAL	28/266		Remove 15" CMP																																Ø	Ø														
266+76 E		28/268												116												1			6.5			1-B			79.9									4.0	I	1	1			
267+62 E		28/272		Remove 15" RCP Install 24" →										60												1			8.3			1-B			32.9	Ø					20.3			3.7	I	1	1			
268+50 RT		28/276		16																								1	4.5																	1.5	I					
268+75 LT		28/278											28									2			2										8.3	Ø										2				
272+18 E		28/282				6	2		164																							1-C		12.3				370.6	397.0				3.7+1.8	I+II					
273+50 RT		28/286		14																								1	4.5																	1.6	I					
274+00 E		28/288													100									1		1										23.4	Ø					40.3			7.4+9.5	II+IV	1	1			
274+29 E	REMOVAL	28/290		Remove 24" RCP																																21.9	Ø														
274+36 E	REMOVAL	28/292		Remove 24" CMP																																17.4	Ø														
276+22		28/294												76												1			5.0			1-B			30.2	Ø					24.7			3.7	I	1	1			
278+50 E		28/296												92												1			4.5			1-B			44.9	4.7					28.4			3.7	I	1	1			
280+00 LT	282+50 LT	28/298		Special Ditch																																									9.3	I	1	1			
280+55 LT		28/302		Remove 3' CMP																																Ø	Ø														
282+50 LT	283+50 LT	28/304																																											0	I					
283+95 LT	REMOVAL	28/306		Remove 18" RCP																																Ø	6														
285+00 E		28/308															100																	2.8	109.7	Ø					37.7		160	4.4	II	1	Ø			
280+50 RT	280+50 LT	28/100													120								1			1									35.4	Ø					13.6		16.1	5.9	II					
285+90 LT	REMOVAL	28/110		Remove 18" RCP																																Ø	Ø														
288+81 E		28/112																																		Ø	Ø														
284+50 LT	~~287+00~~ LT 285+50	28/104																																											467	II			700	
*Out of order		TOTALS		78 68		10	4		164	116	112		144	1354	220	164		198	3	2	1	1	1	1	9	6	5					16-B 2-C		16.1	1356.2	83.8 83.2		370.6	935.6		32.1			191.7 I 56.1 II 24.3 IV	24	18		867

UNDERDRAIN

STA.	STA.	TYPE	POS.	D 6"	D 8"	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
331+02	333+50	U	LT	6		158	0	113.6		1	
331+02	332+50	U	RT	6		154	0	73.9		1	
332+50		C	RT	6		154	5.6		2.7	1	
333+55	336+36	U	LT	6		288	0	131.9		2	
343+00	344+00	U	LT	6		208	73.5	4.3		1	
343+00		C	LT-RT	6		72	0		10.0	1	
344+05	345+45	U	LT	6		144	45.3			1	
345+50	346+83	U	LT	6		137	65.3			1	
346+68	350+35	U	LT	6		367	84.9			2	
351+00	352+45	U	LT	6		145	0	102.1		1	
353+50	355+50	U	LT	6		200	0	90.5		1	
353+50	355+50	U	RT	6		200	0	82.5		1	
356+75		C	RT	6		260	0			1	
358+50	359+50	U	LT	6		100	0	37.8		2	
359+50		U	LT	6		19	0			1	
359+50	359+50	U	RT	6		160	0	115.7		2	
363+00	364+36	U	LT	6		136	37.2			1	
363+25	364+34	U	RT	6		108	39.6			Ø	
—	—		LT	6		70				Ø	
364+36	367+50	U	LT	6		314	308			2	
364+35	367+25	U	RT	6		290	108.5	5.5		Ø	
364+38	365+50	C	RT	6		74	58.2		0.1	Ø	
367+62	369+00	U	LT	6		138	85.6	8.4		1	
—	—		LT	6		150	0	8.5		1	
369+00	369+45	U	LT	6		45	24.6			2	
369+50	371+50	U	LT-RT	6		200	0		7.9	1	
369+50	371+50	U	LT	6		200	0	5.5		1	
—	Sheet 2										
369+50	371+50	C	RT	6		200	0			1	
371+50	374+50	U	LT	6		300	308			2	
371+50	374+25	U	RT	6		275	108.5	5.5		Ø	
371+50	374+50	C	RT	6		300	74	58.2	0.1	Ø	
374+50	376+00	U	LT	6		150	85.6	8.4		1	
374+50	376+00	U	RT	6		150	0	8.5		1	
376+00	379+00	U	LT	6		300	308			2	
376+00	379+00	U	RT	6		300	108.5	5.5		Ø	
379+00	380+50	U	LT	6		150	85.6	8.4		1	
379+00	380+50	U	RT	6		150	0	8.5		1	
380+50	383+50	U	LT	6		300	308			2	
380+50	383+50	U	RT	6		300	108.5	5.5		Ø	
383+50	385+50	U	LT	6		200	85.6	8.4		1	
383+50	385+50	U	RT	6		200	0	8.5		1	
385+50	387+50	U	LT	6		200	308			2	
385+50	387+50	U	RT	6		200	108.5	5.5		Ø	
387+50	389+50	U	LT	6		200	85.6	8.4		1	
387+50	389+50	U	RT	6		200	0	8.5		1	
389+50	391+50	U	LT	6		200	308			2	
389+50	391+50	U	RT	6		200	108.5	5.5		Ø	
391+50	393+50	U	LT	6		200	85.6	8.4		1	
391+50	393+50	U	RT	6		200	0	8.5		1	
393+50	395+50	U	LT	6		200	308			2	
393+50	395+50	U	RT	6		200	108.5	5.5		Ø	
395+50	397+50	U	LT	6		200	85.6	8.4		1	
395+50	397+50	U	RT	6		200	0	8.5		1	
397+50	399+48	U	LT	6		198	308			2	
397+50	399+48	U	RT	6		198	108.5	5.5		Ø	
399+48	401+99	U	LT	6		251	85.6	8.4		1	
399+48	401+99	U	RT	6		251	0	8.5		1	
401+99	403+50	U	LT	6		151	308			2	
401+99	403+50	U	RT	6		151	108.5	5.5		Ø	
403+50	405+50	U	LT	6		200	85.6	8.4		1	
403+50	405+50	U	RT	6		200	0	8.5		1	
405+50	407+50	U	LT	6		200	308			2	
405+50	407+50	U	RT	6		200	108.5	5.5		Ø	
407+50	409+50	U	LT	6		200	85.6	8.4		1	
407+50	409+50	U	RT	6		200	0	8.5		1	
409+50	411+50	U	LT	6		200	308			2	
409+50	411+50	U	RT	6		200	108.5	5.5		Ø	
411+50	413+50	U	LT	6		200	85.6	8.4		1	
411+50	413+50	U	RT	6		200	0	8.5		1	
413+50	415+50	U	LT	6		200	308			2	
413+50	415+50	U	RT	6		200	108.5	5.5		Ø	
415+50	417+50	U	LT	6		200	85.6	8.4		1	
415+50	417+50	U	RT	6		200	0	8.5		1	
417+50	419+50	U	LT	6		200	308			2	
417+50	419+50	U	RT	6		200	108.5	5.5		Ø	
419+50	421+50	U	LT	6		200	85.6	8.4		1	
419+50	421+50	U	RT	6		200	0	8.5		1	
421+50	423+50	U	LT	6		200	308			2	
421+50	423+50	U	RT	6		200	108.5	5.5		Ø	
423+50	425+50	U	LT	6		200	85.6	8.4		1	
423+50	425+50	U	RT	6		200	0	8.5		1	
425+50	427+50	U	LT	6		200	308			2	
425+50	427+50	U	RT	6		200	108.5	5.5		Ø	
427+50	429+50	U	LT	6		200	85.6	8.4		1	
427+50	429+50	U	RT	6		200	0	8.5		1	
429+50	431+50	U	LT	6		200	308			2	
429+50	431+50	U	RT	6		200	108.5	5.5		Ø	
431+50	433+50	U	LT	6		200	85.6	8.4		1	
431+50	433+50	U	RT	6		200	0	8.5		1	
433+50	435+50	U	LT	6		200	308			2	
433+50	435+50	U	RT	6		200	108.5	5.5		Ø	
435+50	437+50	U	LT	6		200	85.6	8.4		1	
435+50	437+50	U	RT	6		200	0	8.5		1	
437+50	439+50	U	LT	6		200	308			2	
437+50	439+50	U	RT	6		200	108.5	5.5		Ø	
439+50	441+50	U	LT	6		200	85.6	8.4		1	
439+50	441+50	U	RT	6		200	0	8.5		1	
441+50	443+50	U	LT	6		200	308			2	
441+50	443+50	U	RT	6		200	108.5	5.5		Ø	
443+50	445+50	U	LT	6		200	85.6	8.4		1	
443+50	445+50	U	RT	6		200	0	8.5		1	
445+50	447+50	U	LT	6		200	308			2	
445+50	447+50	U	RT	6		200	108.5	5.5		Ø	
447+50	449+50	U	LT	6		200	85.6	8.4		1	
447+50	449+50	U	RT	6		200	0	8.5		1	
449+50	451+50	U	LT	6		200	308			2	
449+50	451+50	U	RT	6		200	108.5	5.5		Ø	
451+50	453+50	U	LT	6		200	85.6	8.4		1	
451+50	453+50	U	RT	6		200	0	8.5		1	
453+50	455+50	U	LT	6		200	308			2	
453+50	455+50	U	RT	6		200	108.5	5.5		Ø	
455+50	457+50	U	LT	6		200	85.6	8.4		1	
455+50	457+50	U	RT	6		200	0	8.5		1	
457+50	459+50	U	LT	6		200	308			2	
457+50	459+50	U	RT	6		200	108.5	5.5		Ø	
459+50	461+50	U	LT	6		200	85.6	8.4		1	
459+50	461+50	U	RT	6		200	0	8.5		1	
461+50	463+50	U	LT	6		200	308			2	
461+50	463+50	U	RT	6		200	108.5	5.5		Ø	
463+50	465+50	U	LT	6		200	85.6	8.4		1	
463+50	465+50	U	RT	6		200	0	8.5		1	
465+50	467+50	U	LT	6		200	308			2	
465+50	467+50	U	RT	6		200	108.5	5.5		Ø	
467+50	469+50	U	LT	6		200	85.6	8.4		1	
467+50	469+50	U	RT	6		200	0	8.5		1	
469+50	471+50	U	LT	6		200	308			2	
469+50	471+50	U	RT	6		200	108.5	5.5		Ø	
471+50	473+50	U	LT	6		200	85.6	8.4		1	
471+50	473+50	U	RT	6		200	0	8.5		1	
473+50	475+50	U	LT	6		200	308			2	
473+50	475+50	U	RT	6		200	108.5	5.5		Ø	
475+50	477+50	U	LT	6		200	85.6	8.4		1	
475+50	477+50	U	RT	6		200	0	8.5		1	
477+50	479+50	U	LT	6		200	308			2	
477+50	479+50	U	RT	6		200	108.5	5.5		Ø	
479+50	481+50	U	LT	6		200	85.6	8.4		1	
479+50	481+50	U	RT	6		200	0	8.5		1	
481+50	483+50	U	LT	6		200	308			2	
481+50	483+50	U	RT	6		200	108.5	5.5		Ø	
483+50	485+50	U	LT	6		200	85.6	8.4		1	
483+50	485+50	U	RT	6		200	0	8.5		1	
485+50	487+50	U	LT	6		200	308			2	
485+50	487+50	U	RT	6		200	108.5	5.5		Ø	
487+50	489+50	U	LT	6		200	85.6	8.4		1	
487+50	489+50	U	RT	6		200	0	8.5		1	
489+50	491+50	U	LT	6		200	308			2	
489+50	491+50	U	RT	6		200	108.5	5.5		Ø	
491+50	493+50	U	LT	6		200	85.6	8.4		1	
491+50	493+50	U	RT	6		200	0	8.5		1	
493+50	495+50	U	LT	6		200	308			2	
493+50	495+50	U	RT	6		200	108.5	5.5		Ø	
495+50	497+50	U	LT	6		200	85.6	8.4		1	
495+50	497+50	U	RT	6		200	0	8.5		1	
497+50	499+50	U	LT	6		200	308			2	
497+50	499+50	U	RT	6		200	108.5	5.5		Ø	
499+50	501+50	U	LT	6		200	85.6	8.4		1	
499+50	501+50	U	RT	6		200	0	8.5		1	
501+50	503+50	U	LT	6		200	308			2	
501+50	503+50	U	RT	6		200	108.5	5.5		Ø	
503+50	505+50	U	LT	6		200	85.6	8.4		1	
503+50	505+50	U	RT	6		200	0	8.5		1	
505+50	507+50	U	LT	6		200	308			2	
505+50	507+50	U	RT	6		200	108.5	5.5		Ø	
507+50	509+50	U	LT	6		200	85.6	8.4		1	
507+50	509+50	U	RT	6		200	0	8.5		1	
509+50	511+50	U	LT	6		200	308			2	
509+50	511+50	U	RT	6		200	108.5	5.5		Ø	
511+50	513+50	U	LT	6		200	85.6	8.4		1	
511+50	513+50	U	RT	6		200	0	8.5		1	
513+50	515+50	U	LT	6		200	308			2	
513+50	515+50	U	RT	6		200	108.5	5.5		Ø	
515+50	517+50	U	LT	6		200	85.6	8.4		1	
515+50	517+50	U	RT	6		200	0	8.5		1	
517+50	519+50	U	LT	6		200	308			2	
517+50	519+50	U	RT	6		200	108.5	5.5		Ø	
519+50	521+50	U	LT	6		200	85.6	8.4		1	
519+50	521+50	U	RT	6		200	0	8.5		1	
521+50	523+50	U	LT	6		200	308			2	
521+50	523+50	U	RT	6		200	108.5	5.5		Ø	
523+50	525+50	U	LT	6		200	85.6	8.4		1	
523+50	525+50	U	RT	6		200	0	8.5		1	
525+50	527+50	U	LT	6		200	308			2	
525+50	527+50	U	RT	6		200	108.5	5.5		Ø	
527+50	529+50	U	LT	6		200	85.6	8.4		1	
527+50	529+50	U	RT	6		200	0	8.5		1	
529+50	531+50	U	LT	6		200	308			2	
529+50	531+50	U	RT	6		200	108.5	5.5		Ø	
531+50	533+50	U	LT	6		200	85.6	8.4		1	
531+50	533+50	U	RT	6		200	0	8.5		1	
533+50	535+50	U	LT	6		200	308			2	
533+50	535+50	U	RT	6		200	108.5	5.5		Ø	
535+50	537+50	U	LT	6		200	85.6	8.4		1	
535+50	537+50	U	RT	6		200	0	8.5		1	
537+50	539+50	U	LT	6		200	308			2	
537+50	539+50	U	RT	6		200	108.5	5.5		Ø	
539+50	541+50	U	LT	6		200	85.6	8.4		1	
539+50	541+50	U	RT	6		200	0	8.5		1	
541+50	543+50	U	LT	6		200	308			2	
541+50	543+50	U	RT	6		200	108.5