ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POS.	ASKEW	TYPE IN	TYPE OUT	DITCH IN	DITCH OUT	REM/RST S IN	REM/RST L FT	PIPE OPTIONS D IN	PIPE OPTIONS L FT	PIPE OPTIONS OPT	PIPE OPTIONS CSP TH	PIPE OPTIONS RCP CL	PIPE OPTIONS PCCSP TH	PIPE OPTIONS CAAP TH	PIPE OPTIONS CGMPP TH	NO. PIPE ELBOW EA	ELBOWS D IN	ELBOWS TOP DEG	ELBOWS BOT DEG	ELBOWS 24" CBLG EA	ELBOWS ELB OPT	END SECTION EA	END SECTION OPT	DEPTH DI FT	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	C R M CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	UN-CLASS CHAN CY	COM EXCAV CY	STRUC EXCAV CY	CHAN INF STRUC CY	STONE FILL TYPE	STONE FILL CY	MRKR POSTS LT	MRKR POSTS RT	REMARKS
ROUTE 15	RAMP A																																									
11+60	14+60	RT		DI	DI					30	300	E			0.079	0.075										6.0	2.6	246	B			357										
14+60	17+14	RT		DI	DI					24	250	D			0.064	0.060										10.0	3.9	370	B			308										
23+50	23+62	LT RT		DI						18	92		0.064					2	18	13	12	4	CSP			6.0	2.6	246	B			1										
17+13	20+50	LT																														100						I	100			CONSTRUCT SPECIAL DITCH 1' DEEP
ROUTE 15	RAMP D																																									
1+20	1+00	LT RT		DI	DI					18	56			III												7.5	3.1	285	B			35								2		
1+00	1+50	RT		DI						18	48	B		III	0.064	0.060										5.0	2.3	215	B			22										
1+50	9+70	RT																														200						I	200			CONSTRUCT SPECIAL DITCH 1' DEEP
9+70	13+25	RT																														100						I	100			CONSTRUCT SPECIAL DITCH 1' DEEP
2+50	7+75	LT																														155						I	155			CONSTRUCT SPECIAL DITCH 1' DEEP
ROUTE 15																																										
6+16	8+10	RT																														445						I	68			SPECIAL DITCH, TAPER 6' TO 4'
8+10	8+36	RT								18	26	C			0.064	0.060																17										DRIVEWAY CULVERT
8+36	11+27	RT																														122						I	122			SPECIAL DITCH, 4' WIDE
10+50	10+50	LT RT		DI	RCES					18	76			III												3.0	1.7	153	B			60								1	1	
11+30	11+60	RT		MES	DI					18	34	C			0.064	0.060								1	L	6.0	2.6	246	D			17								1		
11+60	13+00	RT		DI	DI					18	136			III												6.0	2.6	246	D			145										
16+90	16+76	LT RT		RCES	PRCB					18	118			III										1	RCP	16.5			E													PRECAST REINFORCED CONCRERTE CATCH BASIN W/CAST IRON GRATE
16+76	16+64	RT LT		DI	DI					18	94			III												7.5	3.1	285	B													
16+64	16+43	RT		RCES						18	48			III										1	RCP							37										
18+40	18+70	LT		DI	DI					18	40			III												6.5	2.8	254	D													
18+70	18+90	LT		DI	DI					18	38			III												6.0	2.6	246	D													
21+12	21+30	LT			DI					18	64	B			0.064	0.060										6.0	2.6	246	D			5						I	1	1		OUTLET PAD (3'X6'X1')
21+86	21+90	LT			DI					18	4	B		III	0.064	0.060																1										STUB PIECE
22+40	23+50	LT		DI	DI					18	112	B		III	0.064	0.060										5.5	2.5	223	D			94										
23+50	23+64	LT		DI	DI					18	50			III												7.5	3.1	285	D			27										
23+50	24+50	LT		DI	DI					18	96	B		III	0.064	0.060										6.0	3.3	299	B-2			84								1		4'X6' DI, W/DOUBLE GRATE
23+64	24+00	LT RT		DI	DI					18	40			III												6.0	2.6	246	D			18										
24+50	25+50	LT		DI	DI					18	96	B		III	0.064	0.060										4.0	2.0	184	B			61										
25+50	26+10	LT		DI						18	60	C			0.064	0.060																23										
26+75	27+05	LT								18	30	C			0.064	0.060																11										DRIVEWAY CULVERT
29+04	29+42	LT								18	40	C			0.064	0.060																12										DRIVEWAY CULVERT
18+90	18+90	LT RT		DI	DI					18	16			III												6.0	2.6	246	D													
LANG FARM	ACCESS ROAD																																									
104+50	105+00	RT LT								18	90	C			0.064	0.060																30										
										OPTIONS				RCP	DIA																											
PAGE TOTALS										420	B			712	18			2	18" CSP					2	18" RCP	48.7	4521	10-B		0.0	2487	0	0	0	0	0	I	746	5	2	
										280	C													1	L			9-D									II	0			
										250	D																	1-E									IV	0			
										300	E																														
										0	G																														
										92	18" CSP																														
GRAND TOTALS										342	A			1024	18			6	OPT J					1	L	127.4	11781	24-A		38.0	5751	3125	16095	0	0	0	I	3483	24	7	
										420	B			56	24			2	OPT K					1	M			18-B									II	3986			
										2092	C			158	30			2	18" CSP					1	N			9-D									IV	0			
										772	D													2	18" RCP			1-E													
										694	E																														
										1214	F																														
										1144	G																														
										92	18" CSP																														
										380	42" PCCSP .168																														

FINAL QUANTITIES ARE LOCATED ON THE COMPARISON SHEET.

TOTALS

UNDERDRAIN

STA.	STA.	TYP.	POS.	D	L	TRENCH E	TRENCH R	CAP	FB	MKR PST

TOTALS

PROJECT NAME WILLISTON - COLCHESTER
PROJECT NUMBER PB 033-1(2)