

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

STATION km + m	STATION km + m	POS.	PIPE NUMBER	INLET/OUTLET TYPE		DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					PIPE ELBOW no. deg	ES ea	CB ea	P H C D I	DEPTH DI mm	CONC CLASS B	REINF STEEL kg	DI GRATE type	CHAN ELEV ea	CRM m ²	TRENCH EXCAVATION		COMM EXC m ²	UNC CHAN EXC m ²	STRUCT EXCAV m ²	GRAN BK FILL STRUCT m ³	GRAN BORR m ³	EROS MATT m ²	STONE FILL		MARKER POSTS		REMARKS		
				INLET	OUTLET	IN	OUT	SPAN mm	RISE mm	L m	D mm	L m	PCCSP mm	CAAP mm	RCP CL mm	CSP mm	CPEP SL mm											CPEP mm	EARTH m ³							ROCK m ³	m ²	type	LT ea		RT ea	
EXISTING DRAINAGE																																										
4+693.30	4+681.77	LT-RT	30																							4.4	0									REMOVE 380MM X 20.7M PIPE						
4+834.49	4+835.79	RT-RT	31																							8.0	1.5									REMOVE 610MM X 11.5M PIPE AND HEADWALL						
4+835.79	4+895.89	RT-RT	32																							0	5.8									REMOVE DI AND BACKFILL 610MM PIPE INLET						
100+089.64	100+078.43	RT-RT	33																							0	0									RETAIN 380MM PIPE AND DI						
100+078.19	100+079.03	RT-LT	34																							7.9	5.8									REMOVE 380MM X 15.3M PIPE AND DI						
14+145.09	14+139.57	RT-RT	35																							6.7	0									REMOVE 310MM X 26.5M PIPE						
14+139.57	14+250.24	RT-RT	36																							0	0									RETAIN 310MM PIPE						
14+148.47	14+143.45	LT-LT	37																							5.0	0									REMOVE 380MM X 14.2M PIPE						
100+012.63	14+128.19	RT-LT	38																							6.6	5.8									REMOVE 460MM X 20.3M PIPE AND DI						
100+055.52	100+057.93	RT-LT	39																							0	0									REMOVE 380MM X 14.4M PIPE, RETAIN DI						
PROPOSED DRAINAGE																																										
40+030.43	40+011.08	LT-LT	1	CB-1	CB-2						450	19.5																									1200MM PRC CATCH BASIN @ 40+030.43 LT					
40+011.08	40+011.11	LT-RT	2	CB-2	CB-3						450	11.8																									1200MM PRC CATCH BASIN @ 40+011.08 LT					
40+011.11	4+785.30	RT-LT	3	CB-3	CB-4						450	47.9																									1200MM PRC CATCH BASIN @ 40+011.11 RT					
4+785.30	4+818.12	LT-LT	4	CB-4	CB-14						600	36.9																									1200MM PRC CATCH BASIN @ 4+785.30 LT					
4+827.12	4+863.00	LT-LT	5	CB-5	CB-6						900	36.6																									1800MM PRC CATCH BASIN @ 4+827.12 LT					
4+863.00	4+900.02	LT-LT	6	CB-6	CB-7						900	35.8																									1800MM PRC CATCH BASIN @ 4+863.00 LT					
4+900.02	4+937.35	LT-LT	7	CB-7	STONE						900	36.4																									1800MM PRC CATCH BASIN @ 4+900.02 LT					
14+044.60	4+827.12	RT-LT	9	HW	CB-5						900	9.1					X																			REINFORCED CONCRETE HEADWALL AT INLET						
4+800.03	4+800.03	RT-RT	10	CB-10	DS						450	7.2																									1500MM PRC CATCH BASIN @ 4+800.03 RT					
4+825.68	4+824.99	RT-RT	11	CB-11	CB-12						450	4.8																									1200MM PRC CATCH BASIN @ 4+825.68 RT					
4+824.99	4+827.12	RT-LT	12	CB-12	CB-5						450	16.3																									1200MM PRC CATCH BASIN @ 4+824.99 RT					
14+038.87	4+818.12	RT-LT	13	CB-13	CB-14						450	4.1																									1200MM PRC CATCH BASIN @ 14+038.87 LT					
4+818.12	4+827.12	LT-LT	14	CB-14	CB-5						600	9.9																									1800MM PRC CATCH BASIN @ 4+818.12 LT					
14+091.93	14+076.43	LT-RT	15	CB-15	DITCH						600	29.3																									1800MM PRC CATCH BASIN @ 14+091.93 LT					
100+055.52	14+091.93	RT-LT	16	EXDI	CB-15						375	22.8																									EXISTING DI @ 100+055.52 RT					
100+078.45	14+091.93	RT-LT	17	CB-17	CB-15						450	29.8																									1200MM PRC CATCH BASIN @ 100+078.45 RT					
100+012.63	14+130.87	RT-LT	18	CB-18	CB-21						450	16.7																									1200MM PRC CATCH BASIN @ 100+012.63 RT					
14+149.19	14+130.87	LT-LT	19	CB-19	CB-21						450	20.6																									1200MM PRC CATCH BASIN @ 14+149.19 LT					
14+149.00	14.130.87	RT-LT	20	CB-20	CB-21						450	30.7																									1200MM PRC CATCH BASIN @ 14+149.00 RT					
14+130.87	14+091.93	LT-LT	21	CB-21	CB-15						600	43.4																									1500MM PRC CATCH BASIN @ 14+130.87 LT					
4+693.66	4+720.00	LT-LT	22	CB-22	CB-23						450	26.9																									1200MM PRC CATCH BASIN @ 4+693.66 LT					
4+720.00	40+011.08	LT-LT	23	CB-23	CB-2						450	14.1																									1200MM PRC CATCH BASIN @ 4+720.00 LT					
TOTALS											375	23	CPEP (SL)/RCP CLASS III							1200	CB = 13		4.30	363	D = 20		2396	19				488			68	II						
											450	250	CPEP (SL)/RCP CLASS III							1500	CB = 2																					
											600	120	CPEP (SL)/RCP CLASS III							1800	CB = 5																					
											900	109	CPEP (SL)/RCP CLASS III																													
											900	9.1	CPEP																													

PROJECT NAME: EAST MONTPELIER
 PROJECT NUMBER: STPG 028 - 3(35)S
 FILE NAME: +98b028frm.dgn
 PROJECT LEADER: J. SCHULTZ
 DESIGNED BY: J. GRUCHACZ
 DRAINAGE DETAIL SHEET
 PLOT DATE: 22-MAR-2010
 DRAWN BY: I. DEGUTIS
 CHECKED BY: J. DEVLIN
 SHEET 14 OF 142