STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

Metric

DRAINAGE STRUCTURES

STATION km + m	STATION km + m	POS.	ASKEW	INLET/OUTLET TYPE: INLET	INLET/OUTLET TYPE: OUTLET	DITCH IN	DITCH OUT	PIPE ARCH SPAN mm	PIPE ARCH RISE mm	PIPE ARCH L m	PIPE D mm	PIPE L m	ALLOWABLE OPTIONS PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP mm	PCCSP PI mm	PIPE ELBOW NO DEG	ES EA	CB EA	PRCCB	DEPTH DI mm	GEOTEXTILE UNDER STONE FILL	EARTH BOREDOM	DI GRATE TYPE	CHAN ELEV EA	CRM m◆	TRENCH EXCAVATION EARTH m◆	TRENCH EXCAVATION ROCK m◆	COMM EXC m◆	UNC CHAN EXC m◆	STRUCT EXCAV m◆	GRAN BKFILL STRUCT m◆	GRAN BORR m◆	EROS MATT m◆	STONE FILL m◆	STONE FILL TYPE	MARKER POSTS LT ea	MARKER POSTS RT ea	SLEEVE FOR UTILITY	INSULATION BOARD	REMARKS
FRANKLIN																																											
7+800		℄		DI							750	16.2					X					1		14	33.1				64					29.5			3.9						REMOVE EXIST 300 CGMP
7+810		℄																											12														REMOVE EXIST 300 CGMP
7+833		℄																											8														
7+920		℄		DI							600	18.3					X					1		8	31.2				52					20.4			1.3						
8+052.4 ~	8+070.7	LT									450	18.3				X													18					14.8									DRIVE CULVERT / REMOVE EXIST 205 CIP
8+086		℄	86°26'29"R								450	19.8					X							34	27.0				49					18.4			10.3						REMOVE EXIST 380 RCP
8+108.430 ~	8+120.060	LT																											12														REMOVE EXIST 380 RCP
8+303.930		℄		DI							600	19.8					X					1		8	51.3				89					28.9			1.3						
8+307.675 ~	8+316.281	LT																											8														REMOVE EXIST 460 CGMP
8+347.2 ~	8+359.4	LT									450	12.2				X													16					10.7									DRIVE CULVERT
8+410.6 ~	8+425.8	LT									450	15.2				X													12					14.4									REMOVE EXIST 300 CGMP
8+455		℄		CH							750	22.9					X							100	18.4			0.9	90	2.5				42.4			44.1						REMOVE EXIST 460 CGMP
8+809.000 ~	8+818.000	RT									450	9.1				X													5					7.5									DRIVE CULVERT
8+853.649 ~	8+865.862	LT									600	12.2					X												12														CPEP PLACED IN PLACE OF CSP
											450	12.2				X																											OVERFLOW PIPE PLACED BESIDE 600 MM CPEP
8+758.936 ~	8+770.452	RT									450	12.2				X													1					8.9									
9+230 ~	9+249	RT		DI							450	18.3					X					1							21					18.0									ADDED CULVERT / NL & WEBSTER ROAD
9+241		℄																											17														REMOVE EXIST 610 CGMP
9+249 (10m RT to 16m LT)				ES							450	6.1					X			1									13					9.5									ADDED CULVERT / NL & WEBSTER ROAD
9+250		℄	85°53'21"LT	DI	CH						750	42.6					X					1						0.9	101					66.9									
9+258		℄																											29														REMOVE EXIST 610 ACCGMP
9+260		RT		ES							450	3.1					X			1																							ADDED CULVERT / NL & WEBSTER ROAD
9+263 ~	9+270	RT		ES							450	6.1					X			1									6														ADDED CULVERT / NL & WESTER ROAD
9+267.634		℄	54°47'34"LT	DI							450	13.1					X*					1							27					25.4									*PAID AS OPTION B-B
14+759		℄																											24														REMOVE EXIST 460 CGMP
14+800		℄		DI							450	15.2					X					1		15					27					20.7			4.4						
14+800 ~	14+858	RT		DI							450	57.6					X					1							34					33.0									
14+802.242 ~	14+809.578	LT																											5														REMOVE EXIST PIPE
14+851.283 ~	14+856.947	RT																											8														REMOVE EXIST 300 CMP
14+921.900 ~	14+932.000	RT																																									REMOVE EXIST 300 CGMP
14+960		℄																																									REMOVE EXIST 300 CMP
15+011 ~	15+034	RT		DI							450	22.0	X									1							25					23.0									
HANNA ROAD																																											
WELKEE DRIVE											600	12.2				X																		19.7			10.1						ADDED DRIVE CULVERT
GAGNE DRIVE											600	12.2					X																										ADDED DRIVE CULVERT
TH# 24																																											
21+007.951		LT		DI							450	28.1					X					1							6	37.7				34.0									
TH# 15																																											
22+070		℄		DI							450	9.1					X*					1								18.9				13.6									*PAID AS OPTION B-B
22+070		LT		DI							450	6.7					X					1		7					8	11.8				12.6			1.1						
TOTALS						THIS SHEET					450	79.2				CSP						12		186	161			1.8	799	709				472.3			76.5						
											450	161.0					CPEP	"AA"		3																							
											450	22.2					CPEP	"B-B"																									
											600	62.5					CPEP																										
											750	81.7					CPEP																										
	TOTALS ALL SHEETS				450	22.2	To Bk1 Pg 123	CPEP "B-B"			450	497.3	To Bk1 Pg 103			CSP			CPEPES	6	18		1209	476.6			14.52	3503	212.1				1569.3			577.8						
					450	22.0	To Bk1 Pg 111	PCCSP			450	317.8	To Bk1 Pg 119				CPEP			Bk1 Pg 139	To Bk1-C Pg 141		To Bk1 Pg 157	To Bk1 Pg 41			To Bk1-A Pg 147	To Bk1 Pg 58	To Bk1 Pg 62				To Bk1 Pg 66			To Bk1-A Pg 49						
					600	12.2	To Bk1 Pg 107	CSP			600	165.1	To Bk1 Pg 127				CPEP		CPEPES	3	To Bk1 Pg 143																					
											750	121.9	To Bk1 Pg 131				CPEP		CPEPES	1	Bk1-C, Pg 145																						
											900	111.1	To Bk1				CPEP		CPEPES	2	To Bk1-C Pg 147																						

Rev. 11 02-22-07

To Bk1-C Pg 35	110.1	1.29	To Bk1-C, Pg 29

PROJECT NAME: HIGHGATE - FRANKLIN	PROJECT NO.: STP BS 0301(1) SA
DESIGN FILE NAME:	
IPARM FILE NAME: DRAINAGE	PLOT DATE: 04-FEB-2005
SURVEYED BY:	SURVEY DATE:
SQUAD LEADER:	DRAWN BY:
	SHEET: 3 OF 3