STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

VAOT 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	ALLOWABLE OPTIONS: CAAP mm	ALLOWABLE OPTIONS: RCP CL	ALLOWABLE OPTIONS: CSP mm	ALLOWABLE OPTIONS: CPEP mm	ALLOWABLE OPTIONS: PCCSP PI mm	PIPE ELBOW NO. DEG	ES EA	CB EA	PRCCB	DEPTH DI mm	GRAVEL UNDER STONE FILL	EARTH BORROW	DI GRATE TYPE	CHAN ELEV EA	CRM m³	TRENCH EXCAVATION: EARTH m³	TRENCH EXCAVATION: ROCK m³	COMM EXC m³	UNC CHAN EXC m³	STRUCT EXCAV m³	GRAN BKFILL STRUCT m³	GRAN BORR m³	EROS MATT m³	STONE FILL m³	STONE FILL TYPE	MARKER POSTS LT ea	MARKER POSTS RT ea	SLEEVE FOR UTILITY	INFORMATION BOARD	REMARKS
HIGHGATE																																										
1+000		LT	(70m)								450	9.8					X											5														DRIVE CULVERT
1+013		℄	81°29'41"RT	DI							450	26.8					X					1		14				22	9.4							4.6						
1+115 RT ~ 1+118 LT																												75	14.8				70.8							15	1.29	DU HAMEL WATERLINE SLEEVE
1+071.878 ~	1+086.700	RT									450	0				X																										DRIVE AND CULVERT ELIMINATED
1+147.539 ~	1+171.190	RT									450	0				X																										CULVERT ELIMINATED
1+180.0 RT ~	1+188.0 LT			ES							450	23.8					X			1								74								42.1						ADDED CULVERT
1+193.93 ~	1+260	RT									450	0				X																										CULVERT ELIMINATED
1+339.073 ~	1+349.314	LT									450	10.7				X												6					1.7									DRIVE CULVERT
1+407.263 ~	1+420.325	RT									450	0				X																										CULVERT ELIMINATED
1+423.900 ~	1+433.655	RT									450	0				X																										CULVERT ELIMINATED
1+471.0 ~	1+483.0	LT									450	12.2				X												6					2.9									DRIVE CULVERT
1+555.5 ~	1+572.0	LT									450	16.5				X												11					5.2									DRIVE CULVERT
1+610		℄																										41														REMOVE EXISTING 460MM CGMP
1+615		℄	43°00'00"LT	ES							900	24.4					X			1				60				85					52.6			33.1						
1+617.40 ~	1+634.0	RT									450	16.6				X												5														RELOCATED FIELD DRIVE
1+763		℄	39°12'33"LT	DI							450	19.8					X					1		25				71					26.6			8.4						
1+765		℄																										24														REMOVE EXISTING 380 CGMP
1+853		℄	82°49'21"LT	ES							450	18.3					X			1				54				22					26.3			18.4						
1+914.767 ~	1+925.148	LT									450	0				X																										CULVERT ELIMINATED
2+490.00 ~	2+512.50	RT									450	23.5				X												23					19.5									DRIVE CULVERT
2+636		℄		CH	CH						750	21.8					X							49	26.3		1.8	89					31.4			14.6				20.1		REMOVE EXISTING 460 CMP/SLEEVE AND UNDERDRAIN INSTALLED
2+843		℄																										67					12.8							20.1		ADDED SLEEVE
2+847		℄	82°04'47"LT	ES							750	18.4					X			1				39				64					35.2			14.4						REMOVE EXIST 380 CMP
3+031.285 ~	3+048.064	RT									450	16.8				X												48					21.1									DUPUIS DRIVE CULVERT
3+033.447 ~	3+045.965	RT																																								REMOVE EXIST DRIVE CULVERT
3+062.143 ~	3+074.791	LT									450	14.6				X												7					7.6									REMOVE EXIST CGMP & PLASTIC PIPES
3+348		℄		ES							600	21.3					X			1				49				30								14.6						REMOVE EXIST 300x900 CGMP
3+348		℄																																								
3+486		℄	15°37'27"LT	CH	CH						900	22.0					X							90	42.5		2.0	124					37.3			48.8						
3+488		℄																										48														REMOVE EXIST 600 ACCGMP
3+765.755 ~	3+776.568	LT									450	12.2				X												4					6.0									DRIVE CULVERT
3+770.340 ~	3+773.440	LT																										1														REMOVE EXIST 205 FIELD CULVERT
3+838.491 ~	3+850.923	RT									450	12.2				X												2					7.6									DRIVE CULVERT
3+854		℄																										7														REMOVE EXIST 380 CMP
4+083.769 ~	4+093.699	RT									450	9.8				X												8					5.9									DRIVE CULVERT
4+118.500 ~	4+131.000	RT									450	12.2				X												6					6.8									DRIVE CULVERT
4+340.000 ~	4+380.520	RT		DI							450	40.3				X						1						30	40.9				50.7									
4+378.00 ~	4+395.745	LT									450	17.1				X													5.1				7.3									DRIVE CULVERT
TELEPHONE CONDUITS																																										
3+385 RT ~ Cassidy Rd																							48.3m x .84m x .96m (D) =					39.0													
2+685 ~	2+830	LT																					145m x .84m (W) x .96m (D) =					117.0													
4+660		℄																					REFER TO PROJECT X-SECTION SHT # 345 =					31.0													
4+232 ~	4+286.2	RT																					FROM INSPECTOR'S REPORT 8-14-06					20.0	26.6												
4+286.2 ~	4+390	RT																					" " " "					31.0	40.7												
TOTALS											450	214.7				CSP						3		380	68.8		3.8	1243	137.5				435.3			199.0				55.2	1.29	
											450	98.5					CPEP			2																						
											600	21.3					CPEP			1																						
											750	40.2					CPEP			1																						
											900	46.4					CPEP			1																						

TELEPHONE CONDUITS
49.3
146.0
18.3
56.0
105.0
374.6m

TO BE I.C. PER 33

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