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	CAAP mm	RCP CL	CSP mm	CPEP mm	PCCSP PJ mm	PIPE ELBOW NO DEG	ES EA	CB EA	PRCCB	DEPTH DI mm	GEOTEXTILE 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	INSULATED BOARD	REMARKS
FRANKLIN																																											
4+410.728	4+426.844	RT									450'	14.6'				X													21'					14.7'									DRIVE CULVERT
4+492		℄		ES							600'	24.6'					X			1'						20'	33.4'			71'					37.0'			14.1'						CULVERT EXTENDED TO ELIM GUARD RAIL
4+660		℄																																									ADDED SLEEVE FOR UTILITY (TELEPHONE)
4+840.0	4+879.624	RT		DI							450'	40'					X					1'							58'															
4+881.910		℄																											10'														REMOVE EXIST 380 CGMP
4+882		℄																											14'													24.4'		ADDED SLEEVE TO ACCOMODATE FIELD DRAIN
5+022		℄																											25'														REMOVE EXIST 380 CGMP
5+027		℄	72°22'16"LT	CH	CH						1050'	20.4'	X											105'	52.4'			2.2'	155'					76.2'			47.0'						
5+156		℄		ES							900'	22.0'					X			1'				65'					63'					42.6'			27.0'						
5+162		℄																											13'														REMOVE EXIST 380 CGMP
5+162		℄																											65'					14.9'									ADDED SLEEVE (FURNISHED BY OWNERS) FOR FIELD DRAIN
5+155.718	5+164.296	LT																											13'														REMOVE EXIST 380 CGMP
5+257.0	5+269.2	RT									450'	12.2'				X													5'														DRIVE CULVERT
5+365.5	5+377.7	RT									450'	12.2'				X													5'														ADDED FIELD DRIVE & CULVERT
5+589.0	5+600.0	RT									450'	11.0'				X													18'					7.8'									ADDED FIELD DRIVE & CULVERT
5+725.0	5+744.5	LT									450'	19.5'				X													25'					18.3'									ADDED FIELD CULVERT
5+753.9	5+766.1	RT									450'	12.2'				X																		7.2'									ADDED FIELD DRIVE & CULVERT
5+760.63	5+766.73	LT																																										REMOVE EXIST 300 CGMP/REMOVED WITH COMMON EXC.
5+843		℄	56°10'08"LT	ES							600'	24.0'					X			1'				8'	8.5'				26'					29.4'			7.2'						
5+848		℄																											12'														REMOVE EXIST 300 ACCGMP
6+140.8	6+153.5	LT									450'	12.5'				X													4'					8.3'									ADDED FIELD DRIVE & CULVERT
6+145.503	6+153.988	RT									450'	12.2'				X													4'					7.6'									DRIVE CULVERT
6+322		℄	79°36'24"LT	CH	CH						900'	24.4'					X							63'	22.5'			2.0'	80'					65.5'			23.4'						
6+323.438		℄																											6'														REMOVE EXIST 360 CGMP
6+326.0RT	6+333.0LT																												58'					27.2'							30.5'		SLEEVE FOR FIELD DRAIN / PER ROW AGREEMENT
6+509.0	6+521.0	LT									450'	12.2'				X													10'					14.8'									DRIVE CULVERT
6+538.5	6+553.7	LT									450'	15.2'				X													19'					21.6'									DRIVE CULVERT
6+562.763		℄																											8'														REMOVE EXIST 460 ACCGMP
6+566		℄	47°50'26"	CH	CH						1050'	35.1'	X											153'	51.5'			2.72'	257'					111.0'			67.6'						
6+647.5	6+668.5	LT									450'	21.0'				X													16'					13.8'									DRIVE CULVERT/REMOVE EXIST 300 CGMP
6+765.5	6+781.0	LT									450'	15.2'				X													4'	3.7'				7.4'									DRIVE CULVERT
6+832.445	6+850.00	LT									450'	18.3'				X													9'					9.2'									DRIVE CULVERT
6+997.1	7+012.2	LT									450'	15.1'				X													12'					6.5'									DRIVE CULVERT
7+161		℄																											9'														REMOVE EXIST 300 ACCGMP
7+240		℄									450'	18.3'					X			1'									11'					16.8'									ADDED CULVERT
7+243		℄																											12'														REMOVE EXIST 300 ACCGMP
7+306		℄		CH	CH						900'	18.3'					X							204'	27.1'			2.0'	301'					47.3'			109.4'						
7+533		℄																											16'														REMOVE EXIST 460 ACCGMP
7+540		℄		DI							600'	16.8'					X					1'		17'	13.1'				69'					31.7'			5.3'						
7+608.912	7+621.561	LT																																										REMOVE EXIST 300 ACCGMP
7+636		℄		DI							600'	15.9'					X					1'		8'	32.3'				56'					24.9'			1.3'						
7+663		℄																											1'														REMOVE EXIST 300 ACCGMP
TOTALS											450	203.4'				CSP						3'		643'	246.8'			8.92'	1961'	3.7'				661.7'			302.3'				54.9'		
											450	58.3'					CPEP			1'																								
											600	81.3'					CPEP			2'																								
											900	64.7'					CPEP			1'																								
											1050	55.5	RCCP																																	

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: 2 OF 3