STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

STATION	STATION	POS.	ASKEW	INLET/OUTLET TYPE		DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB		DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		COMM EXC	UNC CHAN EXC	STRUCT EXCAV	GRAN BKFILL STRUCT	GRAN BORR	EROS MATT	STONE FILL		MARKER POSTS				REMARKS
			NO. DEG.	INLET	OUTLET	IN	OUT	SPAN IN	RISE IN	L FT	D IN	L FT	PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP PI TH	NO. DEG.	EA	EA		FT	CY	LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT EA	RT EA			
122+50.00		LT																					8.7			A			8.5					5.3									1	4'-0" DIAMETER PRECAST CB
~~122+50.00~~	~~122+67.00~~	~~LT/RT~~		~~CB~~	~~CB~~						~~18~~	~~28'-0"~~	~~X~~	~~X~~			~~X~~												7.2					4.5									~~2~~	~~18" CROSS PIPE TO CONNECT CB TO CB~~
122+47	123+15	RT/RT		CB	CB						18	60'					X																								4A	RELAY 14' OF EXISTING PIPE
122+50.00	123+15.00	LT/LT		CB	CB						18	~~62'-6"~~ 60'	X	X			~~X~~												29.8					23.2									3	18" PIPE TO CONNECT TWO CB'S
122+67.00		RT																					7.0			A			5.7					3.5									4	4'-0" DIAMETER PRECAST CB
123+15.00		RT																								A																5A	4' DIAMETER PRECAST CB
123+15.00		LT																					10.7			A			11.2					6.9									5	4'-0" DIAMETER PRECAST CB
123+15.00	123+15.00	LT/RT		CB	CB						18	22'					X																								6A	18" PIPE TO CONNECT TWO CB'S
~~123+15.00~~	~~124+00.00~~	~~LT/RT~~		~~CB~~	~~CB~~						~~18~~	~~85'-6"~~	~~X~~	~~X~~			~~X~~												97.2					87.8									~~6~~	~~18" CROSS PIPE TO CONNECT TWO CB'S~~
123+15.00	124+00.00	RT		CB	CB						18	82'					X																								6B	18" PIPE TO CONNECT TWO CB'S
124+00.00		LT																					7.0			A			5.5					3.3									7	4'-0" DIAMETER PRECAST CB
124+00.00	124+00.00	LT/RT		CB	CB						18	23'-0"	X	X			X												6.2					4									8	18" CROSS PIPE TO CONNECT CB TO CB
124+00.00		RT																					18.0			A			33.3					15.6									9	4'-0" DIAMETER PRECAST CB
												182'																															4'-0" DIAMETER PRECAST MH
124+00.0	125+95.90	RT/RT		CB	STONE						18	~~187'-0"~~	X	X			X												239.6					217.3								10A &	10	18" PIPE FROM CB TO OUTLET ON CHANNEL
124+75.00		RT																																								9A	NEW CB
128+00.00	128+41.00	RT/RT																												7.3													11	REMOVE EXISTING 24" REINFORCED CONCRETE PIPE
128+08.00	128+41.00	RT/RT		CB	STONE						24	40' ~~38'-0"~~	X	X			X												38.2					31.7									12	24" PIPE FROM CB TO OUTLET ON CHANNEL
128+35.00		LT																												4.2													13	REMOVE EXISTING CAST IN PLACE DI
128+35.00	128+41.00	LT/RT																												2.4													14	REMOVE EXISTING 12" REINFORCED CONCRETE PIPE
128+41.00		LT																					7.0			A			5.6					3.5									15	4'-0" DIAMETER PRECAST CB
128+41.00	128+41.00	LT/RT		CB	CB						18	23'-0"	X	X			X												7.0					4.9									16	18" CROSS PIPE TO CONNECT CB TO CB
128+41.00		RT																												0													17	REMOVE EXISTING CAST IN PLACE DI
128+41.00		RT																					10.0			A			6.7	4.2				6.8									18	4'-0" DIAMETER PRECAST CB
128+41.00	129+68.00	RT/RT																												3.0													19	REMOVE EXISTING 24" REINFORCED CONCRETE PIPE
	33.00											88'																															
128+41.00	129+~~42.00~~	RT/RT									24	~~96'-6"~~	X	X			X												69.5					52.9									20	24" PIPE FROM CB TO CB
128+43.90		LT																									1																	21	CHANGE ELEVATION OF EXISTING SEWER MANHOLE
128+54.37		LT																									1																	22	CHANGE ELEVATION OF EXISTING SEWER MANHOLE
128+56.87		LT																									1																	23	CHANGE ELEVATION OF EXISTING SEWER MANHOLE
129+33.00		RT																								A																	26A	4'-0" DIAMETER PRECAST CB
129+42.00		LT																					6.0			A			3.7					2.3									24	4'-0" DIAMETER PRECAST CB
129+33.00	129+42.00	RT		CB	MH						24	5'					X																								27A	24" CPEP
129+42.00	129+42.00	LT/RT		CB	~~CB~~ MH						12	~~23'-0"~~ 16'	X	X			X												0.0					0									25	12" CROSS PIPE TO CONNECT CB TO ~~CB~~ MH
129+42.00		RT			MH																		9			~~A~~			8.7					5.4								32A	26	4'-0" DIAMETER PRECAST ~~CB~~ MH
	129+74.00			MH								30'																															
129+42.00	~~129+75.00~~	RT/RT		~~CB~~	PIPE						24	~~32'-5"~~	X	X			X												11.2					~~5.8~~									27	24" PIPE TO CONNECT ~~CB~~ TO ~~MANHOLE~~ EXIST PIPE MH
129+54.00		LT																									1																	28	CHANGE ELEVATION OF EXISTING SEWER MANHOLE
129+63.00		LT																												4.8													29	REMOVE EXISTING CAST IN PLACE DI
129+68.00		RT																												4.8													30	REMOVE EXISTING CAST IN PLACE DI
129+68.00	129+75.00	RT/RT																											0													31	REMOVE EXISTING 24" REINFORCED CONCRETE PIPE (CUT EXISTING PIPE AT STA. 129+75.00 AND CONNECT MANHOLE).
129+75.00		RT																					9						9					5.4									32	4'-0" DIAMETER PRECAST MANHOLE
																													603.8	30.7			0.0	490.1										Totals

PROJECT NAME: **BETHEL**
PROJECT NUMBER: **BRF 022-1(14)**

FILE NAME: **sf161forms.dgn**
PROJECT LEADER: **M. EVANS-MONGEON**
DESIGNED BY: **G.ROKES**
DRAINAGE DETAIL SHEET

PLOT DATE: **5/6/2011**
DRAWN BY: **G.ROKES**
CHECKED BY: **S.SCRIBNER**
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