DRAINAGE SUMMARY SHEET 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STA	STA	POS	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PRCC	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		STR EXC	UNC EXC	UNC CHAN EXC	SUB BASE	GRAN BKF STRUC	GEO UNDER DRAIN	STONE FILL, TYPE II	MRKR POSTS		CLEAN PIPE	REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP	PCCSP PI											EARTH	ROCK												
							IN	IN	FT	IN	FT	TH	TH	CL	TH	SL	TH	NO-DEG	EA		DI	FT	CY	LBS	TYPE		CY	CY	CY	CY	CY	CY	CY	CY	SY	CY	LT	RT	LF	
VT. ROUTE 73																																								
ROCHESTER:																																								
R 3+82.0		LT/RT		DI/-						24	54	0.064		III		X						~~4.0~~	2.1	~~193~~	B				~~8~~	~~310.5~~			~~39~~	0.4		~~4~~	X	X	55	REMOVE DI AND INSTALL NEW 4X4 PRCC DI W/GRATE
																						5.0						8.5	80			22.2			9.8				TOP OF FRAME ELEVATION 2049.71.
																																								INSTALL NEW 24" PIPE
																																								PIPE INVERT RT IN ELEVATION 2046.59.
R 12+77.0		LT/RT								18	-																										X	X	~~60~~	~~CLEAN EXISTING 18" PIPE.~~
~~R 20+90.0~~		~~LT/RT~~		~~HW/HW~~						~~48~~	~~64~~			~~III~~			~~0.109~~						~~19.2~~	~~2358~~			~~35~~		~~765.0~~			~~21~~							~~REMOVE EXISTING PIPE AND INSTALL NEW 48" PIPE.~~
																																								~~INSTALL NEW HEADWALLS (PER VAOT STANDARD D-33)~~
																																								SEE CO #1, CULVERT NOT INSTALLED
R 32+86.0		LT								18	4	0.064															~~3~~		24.2				~~1~~			X	X		EXTEND EXISTING 18" CSP. PIPE INVERT IN ELEVATION 1886.33
																																	0.4						
R 47+73.0		LT/RT								18	-																										X	X	60	CLEAN EXISTING 18" PIPE
R 65+00.0		LT/RT								18	80			III		X	0.064												~~468.0~~		~~24~~	24.4		0.9	X	X		REMOVE EXISTING PIPE AND INSTALL NEW 18" PIPE.
																													149.7		34.3							
R 93+76.0		LT/RT								18	94			III		X	0.064										10	2.5	~~531.0~~		~~19~~	30.4		~~5~~	X	X		REMOVE EXISTING PIPE AND INSTALL NEW 18" PIPE.
																													126.6		25.9			1.3				
R 114+26.0		LT		DI/-						18	~~4~~	0.064										~~3.5~~	1.9	~~158~~			~~18~~						2			X	X		INSTALL NEW 4X4 PRCC DI W/GRATE
											2											5.0					7.1											TOP OF FRAME ELEVATION 1525.67
																																								EXTEND EXISTING 18" CSP. PIPE INVERT IN ELEVATION 1522.67
R 118+73.0		LT/RT		DI/-						18	46	0.064		III		X						~~6.0~~	3.0	~~270~~	B		~~47~~	~~12~~	1.2		~~9~~	16.9		~~5~~	X	X		REMOVE DI AND INSTALL NEW 4X4 PRCC DI W/GRATE
																						5.0					49.4	1.9			15.6			2.9				TOP OF FRAME ELEVATION 1512.51.
																																								INSTALL NEW 18" PIPE
																																								PIPE INVERT LT IN ELEVATION 1507.26.
R 137+40.0		LT/RT								18	~~64~~	0.064		III		X													~~355.5~~		~~17~~	19.2		~~4~~	X	X		REMOVE EXISTING PIPE AND INSTALL NEW 18" PIPE.
											60																		80.7		15.8			2.1				
R 147+33.0		LT/RT								24	-																										X	X	~~65~~	~~CLEAN EXISTING 24" PIPE~~
R 149+37.0		LT/RT								24	-																										X	X	~~65~~	~~CLEAN EXISTING 24" PIPE~~
R 153+96.0		LT/RT								24	-																										X	X	~~65~~	CLEAN EXISTING 24" PIPE
																																						60	
R 165+30.0		LT/RT								18	-																										X	X	~~65~~	CLEAN EXISTING 18" PIPE
																																						60	
R 182+36.0		LT								12	-																	12											REMOVE DI AND ABANDON PIPE
THIS SHEET SUBTOTALS:										18		118		284		284	174					~~13.5~~	26.2	~~2979~~	2-B		~~103~~	~~32~~	~~2430.0~~		~~129~~	3		~~18~~	13	13	~~380~~	
										24		54		54		54						15.0					66.5	24.9	462.4		113.8	93.7		17			235	
										48				64			64																						

PROJECT NAME: ROCHESTER
PROJECT NUMBER: ER STP 0162(21)

FILE NAME: z13cl761dds.dgn
PROJECT LEADER: D. GOZALKOWSKI
DESIGNED BY: J. OLSEN
DRAINAGE SUMMARY SHEET #1

PLOT DATE: 1/11/2017
DRAWN BY: J. HEALD
CHECKED BY: J. SHIELDS
SHEET 17 OF 360