

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 3

BEGIN STATION	END STATION	POS.	203.15 COMMON EXCAVATION	203.16 SOLID ROCK EXCAVATION	204.20 TRENCH EXCAV. OF EARTH	204.30 GRAN. BACKFILL FOR STRUCT- URES	507.12 REINFORCING STEEL, LEVEL II	541.25 CONCRETE, CLASS B	601.0025 24" CSP .064 (2-2/3X1/2)	601.0815 18" RCP CLASS III	601.0905 12" CPEP	601.0910 15" CPEP	601.0915 18" CPEP	604.18 PRECAST CONCRETE DROP INLET W/C. I. GRATE	604.20 PRECAST CONCRETE C. B. W/C. I. GRATE	604.412 REHAB. D. I. CLASS I	604.415 REHAB. D. I. CLASS II	604.418 REHAB. D. I. CLASS III	DRAINAGE FLAG *	REMARKS
			CY	CY	CY	CY	LB	CY	LF	LF	LF	LF	LF	EA	EA	EACH	EACH	EACH		
309+18.56	309+27.75	R-L			26	26							52						33	REMOVE EXISTING PIPE. INV. IN = 1061.60', INV. OUT = 1061.20'
311+88.00	312+11.00	RT			12	12						23							34	REPLACE EXISTING 15" CPEP WITH 15" CPEP (23'-0"). INV. IN = 1050.70', INV. OUT = 1050.40'. LEDGE REMOVAL
312+57	312+66	RT		5																LEDGE REMOVAL
315+67	316+36	RT		33.2																LEDGE REMOVAL
319+03.74	319+21.24	R-L		2	42	50							55						35	REMOVE HEADWALL AND PIPE. 18" CPEP (55'-0") INV. IN = 1013.25', INV. OUT = 1009.75'
322+54	322+79	RT		4.5																LEDGE REMOVAL
323+47.81	323+62.82	R-L		2	42	44							47						36	REMOVE HEADWALL AND PIPE. 18" CPEP (47'-0") INV. IN = 986.50', INV. OUT = 983.75'
327+49.49	327+66.19	R-L	3	2	49	54							52						37	REMOVE HEADWALL AND PIPE. 18" CPEP (52'-0") INV. IN = 967.80', INV. OUT = 963.20'
332+83.95	332+93.91	RT	26	1		25	662	4.54											38	CONSTRUCT CONCRETE REINFORCED STRAIGHT HEADWALL PER STD. D-33. USE SCHEDULING AND DIMENSIONS FOR 30" PIPE WITH 2'-0" HEADER ABOVE PIPE
341+08.65	341+54.10	R-L	7	3	64	84							67	1					39	REMOVE EXISTING DROP INLET AND PIPE. CONCRETE REINFORCED DROP INLET WITH CAST IRON GRATE (TYPE D) RIM = 880.25' 18" CPEP (67'-0") INV. IN = 875.55', INV. OUT = 872.20'
349+13.80	349+19.00	R-L	2	2	40	45							54						40	REMOVE HEADWALL AND PIPE. 18" CPEP (54'-0") INV. IN = 805.25', INV. OUT = 802.95'
352+80.65	353+55.28	R-L		3	63	66							88						41	REMOVE HEADWALL AND PIPE. 18" CPEP (88'-0") INV. IN = 777.30', INV. OUT = 774.20'
356+55.64	357+04.16	R-L	3	2	48	54							67						42	REMOVE HEADWALL AND PIPE. 18" CPEP (67'-0") INV. IN = 751.45', INV. OUT = 750.15'
367+59.50	367+61.41	R-L	2	2	42	51							53						43	REMOVE HEADWALL AND PIPE. 18" CPEP (53'-0") INV. IN = 694.50', INV. OUT = 691.90'
369+09.87	369+17.79	RT	20	4		21	516	2.85											44	REMOVE EXISTING HEADWALL. CONSTRUCT CONCRETE REINFORCED STRAIGHT HEADWALL PER STD. D-33. USE SCHEDULING AND DIMENSIONS FOR 24" PIPE WITH 1'-6" HEADER ABOVE PIPE
370+64.88	370+86.38	R-L		2	64	69							59						45	REMOVE HEADWALL AND PIPE. 18" CPEP (59'-0") INV. IN = 672.45', INV. OUT = 668.30'
371+76.09	371+79.70	L-R		1	45	48							50						46	REMOVE HEADWALL AND PIPE. 18" CPEP (50'-0") INV. IN = 670.50', INV. OUT = 667.00'
378+73.07	378+83.22	RT	26	1		24	662	4.54											47	REMOVE EXISTING HEADWALL. CONSTRUCT CONCRETE REINFORCED STRAIGHT HEADWALL PER STD. D-33. USE SCHEDULING AND DIMENSIONS FOR 30" PIPE WITH 2'-0" HEADER ABOVE PIPE
378+78.14	378+85.35	R-L			36	38							47						48	REMOVE EXISTING PIPE. 18" CPEP (47'-0") INV. IN = 644.50', INV. OUT = 639.10'
381+20.34	381+30.32	RT	28			24	662	4.54											49	CONSTRUCT CONCRETE REINFORCED STRAIGHT HEADWALL PER STD. D-33. USE SCHEDULING AND DIMENSIONS FOR 30" PIPE WITH 2'-9" HEADER ABOVE PIPE
SUBTOTAL			117	69.7	573	735	2502	16.47	-	-	-	23	691	1	-	-	-	-		

PROJECT NAME: RANDOLPH
PROJECT NUMBER: STP 2932(I)
FILE NAME: z10c270.dgn PLOT DATE: 6/5/2014
PROJECT LEADER: C. LATHROP DRAWN BY: J. GOODALL
DESIGNED BY: B. BRESLEND CHECKED BY: C. LATHROP
DRAINAGE DETAIL SHEET 3 SHEET 24 OF 276