

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 2

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		
228+60	229+05	LT		22																LEDGE REMOVAL
229+88.34	229+89.86	L-R		2	53	62							60						16	REMOVE HEADWALL AND PIPE. 18" CPEP (60'-0") INV. IN = 1420.60', INV. OUT = 1418.15'
249+99.82	250+26.65	L-R	1	2	57	64							64						18	REMOVE HEADWALL AND PIPE. 18" CPEP (64'-0") INV. IN = 1458.35', INV. OUT = 1452.50'
254+01.28	254+15.93	L-R	1		39	44							56						19	REMOVE EXISTING PIPE. 18" CPEP (56'-0") INV. IN = 1428.45', INV. OUT = 1427.30'
258+76.54	258+91.95	L-R	1	4	49	51							54						20	REMOVE HEADWALL AND PIPE. 18" CPEP (54'-0") INV. IN = 1391.40', INV. OUT = 1390.00'
266+10	266+29	RT		4.5																LEDGE REMOVAL
273+35	275+80	LT		30.3																LEDGE REMOVAL
277+75.30	277+76.70	LT		2	3	6				8									22	REMOVE EXISTING HEADWALL. EXTEND 18" RCP (8'-0") INV. IN = 1313.16'.
289+22.00	289+44.00	RT			11	11					23								23	REPLACE EXISTING 12" CMP WITH 12" CPEP (23'-0"). INV. IN = 1251.00', INV. OUT = 1250.25'.
289+84	290+08	RT		25																LEDGE REMOVAL
290+57.29	290+67.29	RT	8	18		25	800	5.63											24	CONSTRUCT CONCRETE REINFORCED STRAIGHT HEADWALL PER STD. D-33, USE SCHEDULING AND DIMENSIONS FOR 36" PIPE WITH 2'-0" HEADER ABOVE PIPE.
294+38.00	294+63.00	LT			14	14						25							25	REPLACE EXISTING UNKNOWN PIPE WITH 15" CPEP (25'-0"). INV. IN = 1210.00', INV. OUT = 1207.50'.
294+41.9		RT	16	5		10								1					26	REMOVE EXISTING DROP INLET. INSTALL PRECAST CONCRETE DROP INLET (4'x6') WITH CAST IRON GRATE (TYPE E) RIM ELV. = 1210.45'.
294+43.08	295+03.00	R-L			52	52							72						27	REMOVE EXISTING 18" CMP, NEW 18" CPEP (72'-0"). INV. IN = 1206.27', INV. OUT = 1202.68'
295+23.00	295+53.00	RT			20	20							30						28	REPLACE EXISTING 18" CMP WITH 18" CPEP (30'-0"). INV. IN = 1199.30', INV. OUT = 1197.25'.
297+20.00	297+72.88	RT	5	7	38	51						53		1					29	REMOVE HEADWALL. REMOVE 15" CMP. NEW 15" CPEP (53'-0"). INV. IN = 1172.50', INV. OUT = 1163.40'. CONCRETE REINFORCED CATCH BASIN WITH CAST IRON GRATE (TYPE D). RIM ELV. = 1166.75'. CONNECT TO 15" CPEP AND 18" RCP.
299+36	299+76	RT		22.1																LEDGE REMOVAL
304+19.61	304+27.40	LT			3	8				12									30	EXTEND 18" RCP (12'-0") INV. OUT = 1093.82'.
306+70.57	306+74.48	RT	29	4		12							4	1					31	REMOVE EXISTING DROP INLET. NEW CONCRETE DROP INLET WITH CAST IRON GRATE (TYPE D) RIM ELV. = 1079.35'. EXTEND 18" CPEP (4'-0") INV. IN = 1074.37'.
309+15.56	309+21.56	RT		2	16	16	376	2.05											32	REMOVE EXISTING HEADWALL. CONSTRUCT CONCRETE REINFORCED STRAIGHT HEADWALL PER STD. D-33 FOR 18" CPEP
SUBTOTAL			61	149.9	355	446	1176	7.68	-	20	23	78	340	2	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 2 SHEET 23 OF 276