

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 1

BEG IN STATION	END STATION	POS.	203.15 COMMON EXCAVATION	203.16 SOLID ROCK EXCAVATION	204.20 TRENCH EXCAV. OF EARTH	204.30 GRAN. BACKFILL FOR STRUCTURES	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
RANDOLPH			CY	CY	CY	CY	LB	CY	LF	LF	LF	LF	LF	EA	EA	EACH	EACH	EACH		
22+60	40+36.72															17	2	2		
97+93	99+21	RT	12.2																	REMOVE BITUMINOUS CONCRETE GUTTER.
99+48	104+28	RT	42.7																	REMOVE BITUMINOUS CONCRETE GUTTER.
104+65	111+28	RT	41.9																	REMOVE BITUMINOUS CONCRETE GUTTER.
111+54	112+35	RT	4.8																	REMOVE BITUMINOUS CONCRETE GUTTER.
112+60	119+25	RT	42.1																	REMOVE BITUMINOUS CONCRETE GUTTER.
149+72.22	149+84.89	LT					151	0.9											1	RAISE CONCRETE REINFORCED HEADWALL 1'-4'.
152+26.53	152+38.08	RT					114	0.64											2	RAISE CONCRETE REINFORCED HEADWALL 1'-4'.
156+78.57	156+88.78	R-L			38	42							54						3	REMOVE EXISTING 18" CPEP. INSTALL NEW 18" CPEP (54'-0') INV. IN = 1299.00', INV. OUT = 1296.80'.
164+60.00	164+80.00	LT			12	10					20								5	REMOVE EXISTING PIPE. NEW 15" CPEP (20'-0'). INV. IN = 1331.50', INV. OUT = 1331.00'. PLACE STONE FILL TYPE I AT INLET AND OUTLET.
166+78.56	167+13.02	R-L			41	41							56						6	REMOVE EXISTING PIPE. 18" CPEP (56'-0') INV. IN = 1337.15', INV. OUT = 1336.85'
167+13.50		LT	9	7											1				7	INSTALL CONCRETE REINFORCED CATCH BASIN WITH CAST IRON GRATE (TYPE D). RIM = 1341.00'
167+15.00	167+55.00	LT		3	26	26							40						8	REMOVE EXISTING HEADWALL. REPLACE EXISTING 18" CMP WITH 18" CPEP (40'-0'). INV. IN = 1340.45', INV. OUT = 1337.75'.
173+86.00	174+28.00	LT			21	19				41.5									9	REPLACE EXISTING 12" CMP WITH 12" CPEP (41'-5'). INV. IN = 1361.25', INV. OUT = 1359.80'.
175+22.05	176+25.43	L-R	3		103	100							106						10	REMOVE EXISTING PIPE. 18" CPEP (106'-0') INV. IN = 1370.05', INV. OUT = 1364.95'
177+25.00	177+57.00	RT			19	17					32								11	REPLACE EXISTING 15" CMP WITH 15" CPEP (32'-0'). INV. IN = 1375.70', INV. OUT = 1374.35'.
202+46.44	202+49.86	L-R			35	38							54						12	REMOVE EXISTING PIPE. 18" CPEP (54'-0') INV. IN = 1373.21', INV. OUT = 1372.67'
213+90.00	213+92.87	L-R			43	47							54						13	REMOVE EXISTING PIPE. 18" CPEP (54'-0') INV. IN = 1407.10', INV. OUT = 1405.05'
218+75.40	218+75.77	LT	3		6	4				6									14	EXTEND 18" RCP (6'-0'). INV. IN = 1399.46'
221+03.69	221+05.01	L-R		1	44	52							54						15	REMOVE HEADWALL AND PIPE. 18" CPEP (54'-0') INV. IN = 1398.00', INV. OUT = 1395.31'
SUBTOTAL			158.7	11	388	396	265	1.54	-	6	41.5	52	418	-	1	17	2	2		

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 1 SHEET 22 OF 276