STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SHEET

VAOT Metric

STEEL BEAM GUARD RAIL, GALVANIZED

BEGIN STATION km + m	END STATION km + m	POSITION LEFT m	POSITION RIGHT m	END TREATMENT BEGIN EA	END TREATMENT END EA
1+173.93	1+201.05		28.575		1
1+175.26	1+227.42	49.530			1
TOTALS		49.530	28.575		2
TOTALS	STEEL BEAM GUARDRAIL, GALVANIZED = 78.105				

GUARDRAIL APPROACH SECTION, GALVANIZED NETC 2 RAIL

BEGIN STATION km + m	END STATION km + m	POSITION LEFT m	POSITION RIGHT m	MTS • BEG EA	MTS • END EA
1+101.80	1+109.42		7.62	1	
1+101.80	1+109.42	7.62			1
1+166.67	1+173.93		7.62		1
1+167.23	1+175.26	7.62		1	
TOTALS		2 EACH	2 EACH		
TOTALS	GUARDRAIL APPROACH SECTION, GALVANIZED NETC 2 RAIL = 4 EACH				

• MANUFACTURED TERMINAL = 4 EACH SECTION, FLARED

UNDERDRAIN

	BEGIN STATION km + m	END STATION km + m	TYPE	POSITION	DIA. mm	LENGTH m	TRENCH EARTH m³	TRENCH ROCK m³	200 RISER LEN. m	FB EA	MKR PST EA
	TH 33	VT 125									
1	2+025.0	1+260.0	U	LT-RT	200	33.6	41.7		1.2	1	1
2	1+241.0	1+260.0	U	LT	200	17.3	20.77		1.5	1	1
5	1+260.0	1+300.0	U	LT	200	37.4	41.36		1.5	1	1
6	1+300.0	1+350.0	U	LT	200	48.9	52.2		1.2	1	1
8	1+260.0	1+340.0	U	RT	200	83.6	88.8		1.2	1	1
9	1+340.0	1+380.0	U	RT	200	39.9	48.2		1.5	1	1
10	1+380.0	1+420.0	U	RT	200	40.5	97.4				
	TH 33	TH 33									
12	2+100.0	2+030.0	U	RT	200	72.2	92.3		1.2	1	1
	TH 33	TH 33									
13	2+100.0	2+030.0	U	LT	200	67.4	87.4		1.2	1	1
	TOTAL	UNDERDRAIN			200	440.8	501.9		10.5	8	8
	TH 33	TH 33									
3	2+030.0	2+020.0	C	RT	200	11.7	5.4		1.2	1	2
	TH 33	TH 33									
4	2+030.0	2+023.0	C	LT	200	6.5	3.0		1.2	1	2
7	1+350.0	1+364.1	C	LT	200	14.5	7.2				
11	1+420.0	1+420.0	C	RT-LT	200	14.8	15.6		1.2	1	2
	TOTAL	CARRIER			200	47.5	31.2		3.6	3	6
	TOTAL	200 MM CARRIER PIPE FOR RISERS							14.1		
	TOTAL	200 MM UNDERDRAIN = 440.8									
	TOTAL	200 MM CARRIER PIPE = 61.6									
	TOTAL	UNDERDRAIN FLUSHING BASIN = 11									
	TOTAL	YIELDING MARKER POSTS FOR UNDERDRAINS = 14									
		FOR DRAINAGES = 7									
					21						

BEGIN STATION km + m	END STATION km + m	POSITION LEFT m	POSITION RIGHT m	REMARKS
				SEE DRAINAGE SUMMARY SHEET

BEGIN STATION km + m	END STATION km + m	POSITION LEFT m	POSITION RIGHT m	REMARKS

PROJECT NAME : CORNWALL	PROJECT NO. : BRS 0172(6)
DESIGN FILE NAME: z85e042qty.dgn	
IPARM FILE NAME:	PLOT DATE: 2/11/2010
SURVEYED BY: VTRANS & VT SURVEY	SURVEY DATE: 1996 & 1999
SQUAD LEADER: MARTHA EVANS-MONGEON	DRAWN BY: ERIK ATKINS
ITEM DETAIL SHEET	SHEET: 15 OF 144