

CURVE (1)  
 BK BRG = S 39°32'46" E  
 AH BRG = S 83°52'27" E  
 DELTA = 44°19'41" LT  
 D = 57°17'45"  
 R = 100.00'  
 T = 40.74'  
 L = 77.37'  
 E = 7.98'

CURVE (2)  
 PI 98+86.00 BK =  
 PI 98+85.95 AH  
 DELTA = 7°25'39" LT  
 D = 19°05'55"  
 R = 300.00'  
 T = 19.47'  
 L = 38.89'  
 E = 0.63'

**BOX BEAM GUARDRAIL**  
 99+41.3 TO 99+55.1 LT  
 99+48.0 TO 99+61.8 RT  
 100+74.3 TO 100+86.1 LT  
 100+88.6 TO 101+04.8 RT

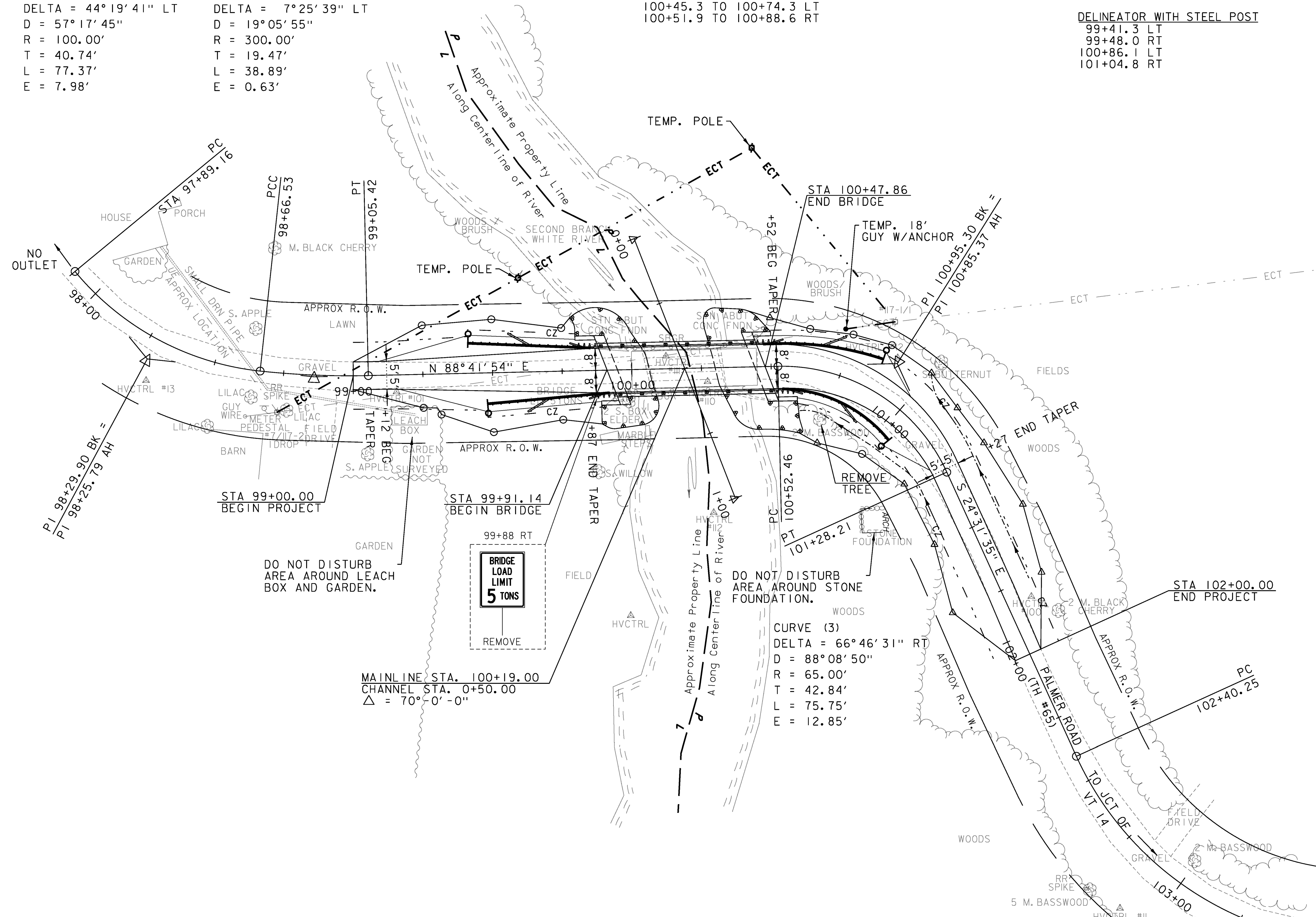
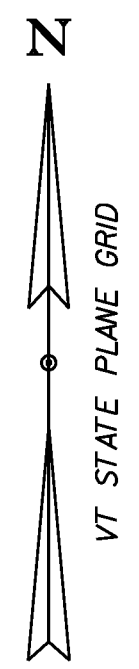
**GUARDRAIL APPROACH SECTION,  
 GALVANIZED 3 RAIL BOX BEAM**  
 99+55.1 TO 99+87.2 LT  
 99+61.8 TO 99+93.7 RT  
 100+45.3 TO 100+74.3 LT  
 100+51.9 TO 100+88.6 RT

**BRIDGE RAILING, GALVANIZED 3 RAIL BOX BEAM**  
 99+87.2 TO 100+45.3 LT  
 99+93.7 TO 100+51.9 RT

**REMOVAL AND DISPOSAL OF GUARDRAIL  
 INCLUDED UNDER BRIDGE REMOVAL ITEM**

**REMOVING SIGNS  
 AS SHOWN - I**

**DELINEATOR WITH STEEL POST**  
 99+41.3 LT  
 99+48.0 RT  
 100+86.1 LT  
 101+04.8 RT



MAINLINE STA. 100+19.00  
 CHANNEL STA. 0+50.00  
 $\Delta = 70^{\circ}0' - 0''$

CURVE (3)  
 DELTA = 66°46'31" RT  
 D = 88°08'50"  
 R = 65.00'  
 T = 42.84'  
 L = 75.75'  
 E = 12.85'



PROJECT NAME: RANDOLPH  
 PROJECT NUMBER: BRO 1444(57)

FILE NAME: z11j078bdr.dgn  
 PROJECT LEADER: J. BYATT  
 DESIGNED BY: J. SMITH  
 LAYOUT SHEET

PLOT DATE: 8/12/2014  
 DRAWN BY: S. GOODWIN  
 CHECKED BY: D. MUNRO  
 SHEET II OF 39