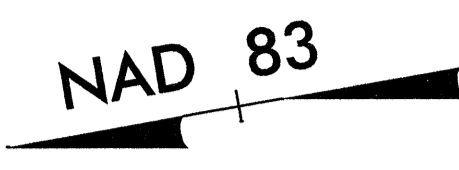
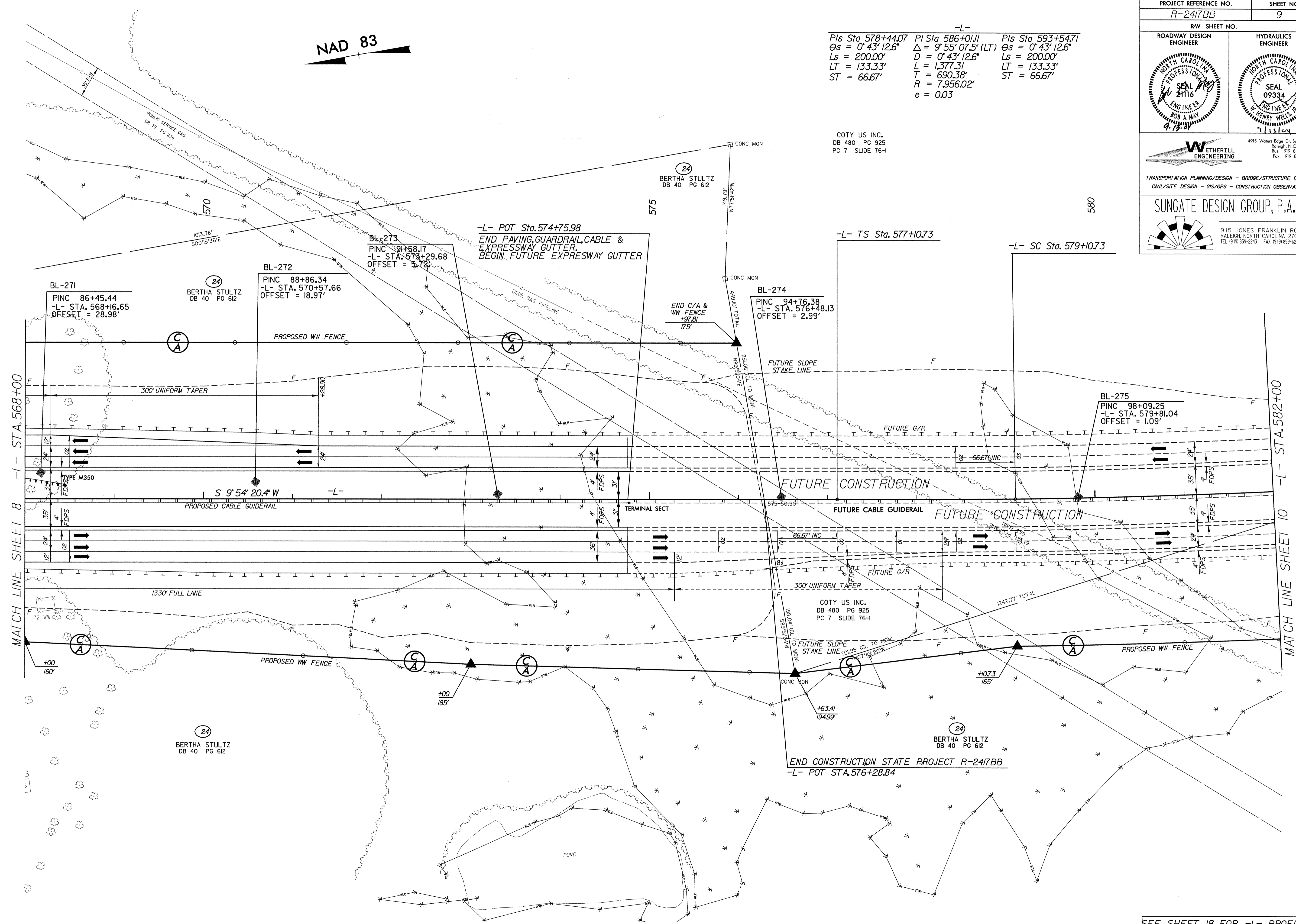


7/2/99

PROJECT REFERENCE NO. R-2417BB	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 4915 Waters Edge Dr. Suite 295 Raleigh, N.C. 27606 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	
SUNGATE DESIGN GROUP, P.A. 915 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL. 919 859-2245 FAX 919 859-6238	

-L-
 PIs Sta 578+44.07 PI Sta 586+01.11 PIs Sta 593+54.71
 $\theta_s = 0^\circ 43' 12.6''$ $\Delta = 9^\circ 55' 07.5''$ (LT) $\theta_s = 0^\circ 43' 12.6''$
 $L_s = 200.00'$ $D = 0^\circ 43' 12.6''$ $L_s = 200.00'$
 $LT = 133.33'$ $L = 1,377.31'$ $LT = 133.33'$
 $ST = 66.67'$ $T = 690.38'$ $ST = 66.67'$
 $R = 7,956.02'$
 $e = 0.03$



13-JUL-2004 13:33
 P:\N-2417bb\Roadway\PRD\N-2417bb_PRD_psh09.dgn
 Plotted by: MIKE THORNTON

SEE SHEET 18 FOR -L- PROFILE