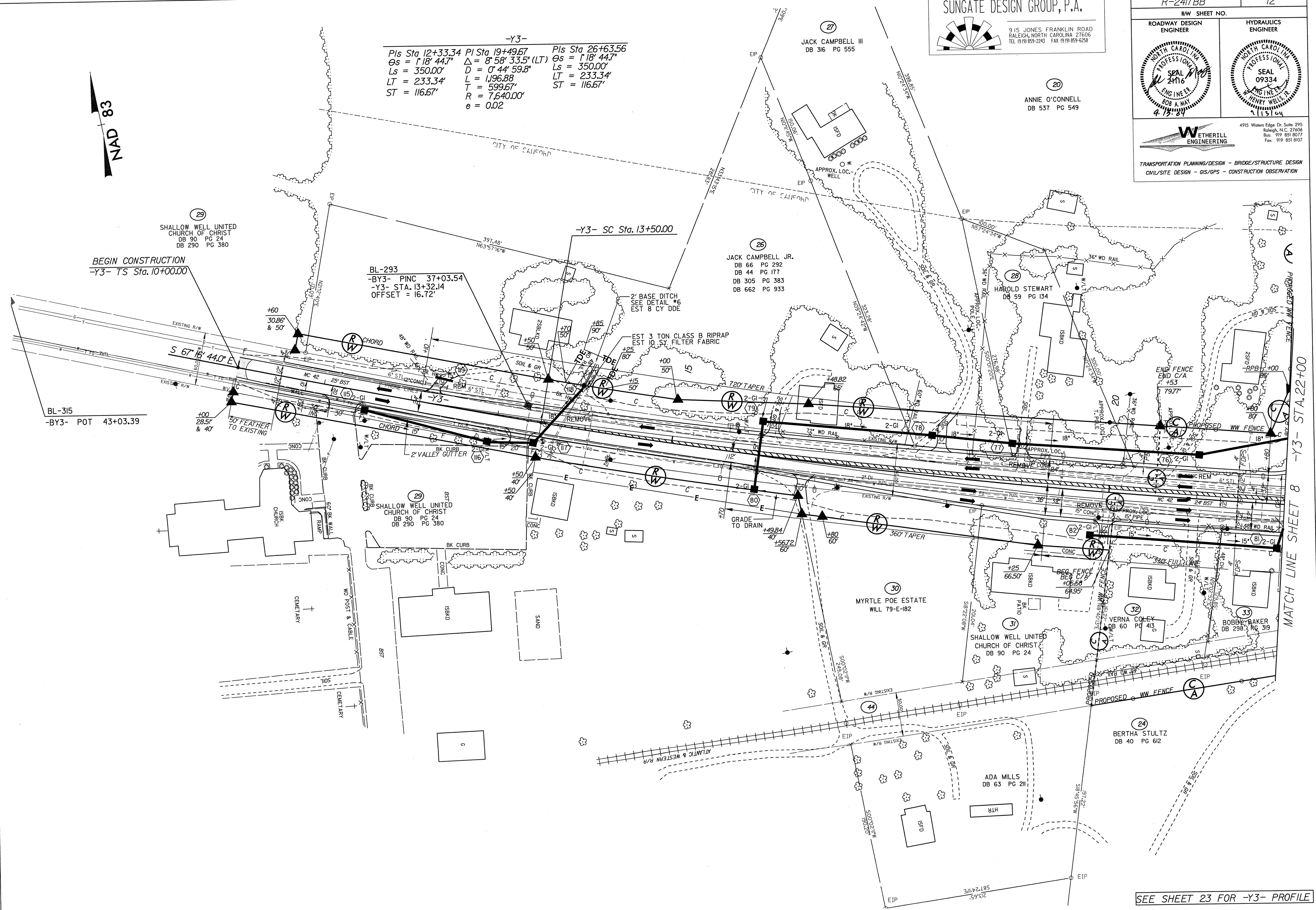


PROJECT REFERENCE NO. <b>R-2417BB</b>		SHEET NO. <b>12</b>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
4915 Waters Edge Dr. Suite 295 Raleigh, N.C. 27606 Bus: 919 851 8377 Fax: 919 851 8107			
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION			

**SUNGATE DESIGN GROUP, P.A.**  
 915 JONES FRANKLIN ROAD  
 RALEIGH, NORTH CAROLINA 27606  
 TEL: (919) 859-2243 FAX: (919) 859-6258

**-Y3-**  
 Pls Sta 12+33.34 PI Sta 19+49.67 Pls Sta 26+63.56  
 $\Theta_s = 1'18''44.7''$   $\Delta = 8'58''33.5''$  (LT)  $\Theta_s = 1'18''44.7''$   
 $L_s = 350.00'$   $D = 0'44''59.8''$   $L_s = 350.00'$   
 $LT = 233.34'$   $L = 1,96.88'$   $LT = 233.34'$   
 $ST = 116.67'$   $T = 599.67'$   $ST = 116.67'$   
 $R = 7,640.00'$   
 $e = 0.02$

**NAD 83**



**BEGIN CONSTRUCTION**  
 -Y3- TS Sta. 10+00.00

**BL-315**  
 -BY3- POT 43+03.39

**BL-293**  
 -BY3- PINC 37+03.54  
 -Y3- STA. 13+32.14  
 OFFSET = 16.72'

SEE SHEET 23 FOR -Y3- PROFILE

7/2/99  
 8-11-2004 13:34  
 C:\Users\p1761\OneDrive\Documents\Projects\2417bb\RDY\_pah12.dgn  
 Author: Mike Taylor

MATCH LINE SHEET 8 -Y3- STA. 22+00