

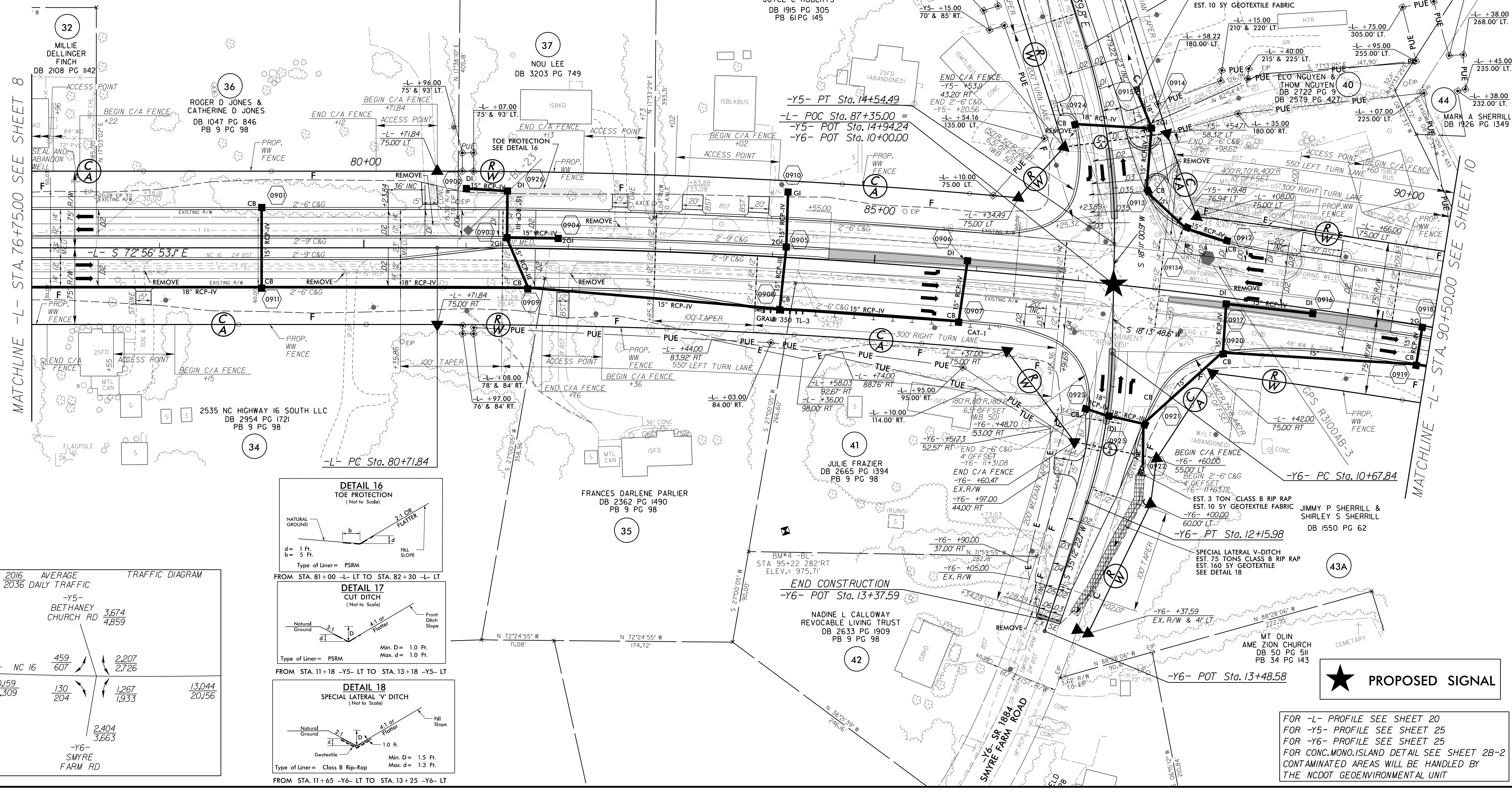
PROJECT REFERENCE NO. <b>R-3100B</b>		SHEET NO. <b>9</b>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		SEAL 18470	
EDWARD GLENN EDWARDS JR.		ENGINEER	
3/16/2017		3/20/2017	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			

NAD 83 NSRS 2007

-L-  
 PI Sta 88+49.20  
 $\Delta = 14' 24" 28.5" (RT)$   
 $D = 0' 55" 53.9"$   
 $L = 1,546.51'$   
 $T = 777.36'$   
 $R = 6,150.00'$   
 $e = RC$   
 Runoff = 72'

-Y5-  
 PI Sta 13+57.74  
 $\Delta = 18' 38" 40.7" (RT)$   
 $D = 9' 32" 57.5"$   
 $L = 195.25'$   
 $T = 98.49'$   
 $R = 600.00'$   
 $e = RC$   
 Runoff = 80'

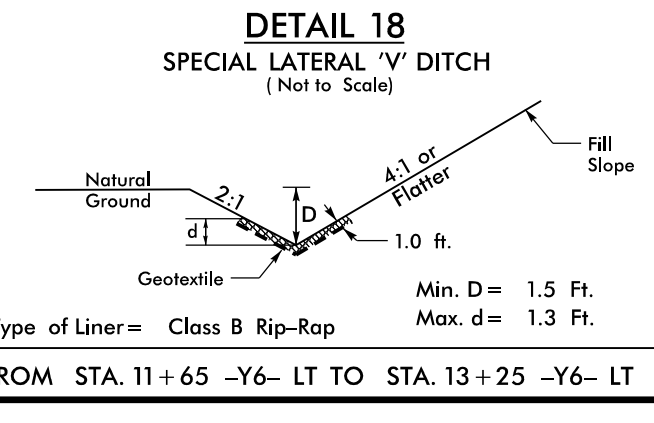
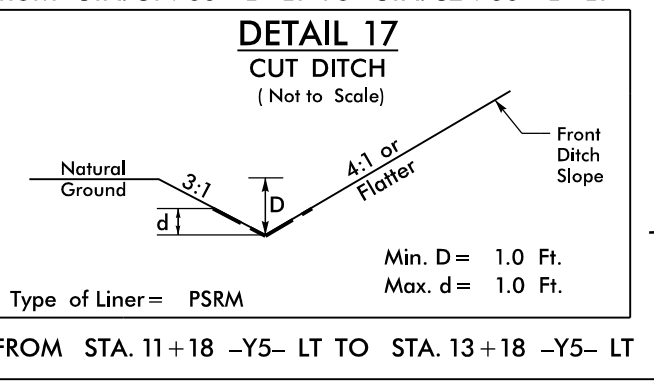
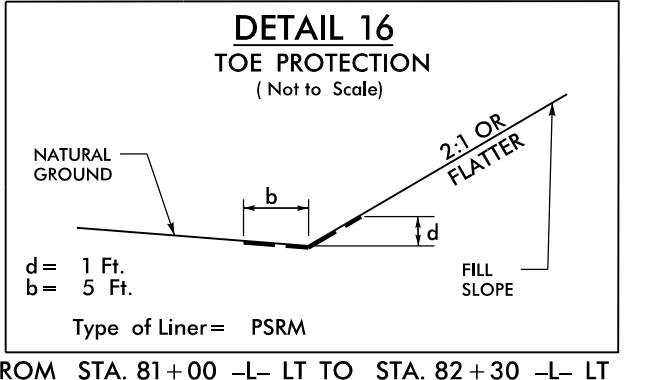
-Y6-  
 PI Sta 11+42.46  
 $\Delta = 16' 58" 33.5" (RT)$   
 $D = 11' 27" 33.0"$   
 $L = 148.14'$   
 $T = 74.62'$   
 $R = 500.00'$   
 $e = RC$   
 Runoff = 46'



MATCHLINE -L- STA. 76+75.00 SEE SHEET 8

MATCHLINE -L- STA. 90+50.00 SEE SHEET 10

REVISIONS



2016 AVERAGE TRAFFIC DIAGRAM  
 2036 DAILY TRAFFIC

-Y5- BETHANEY CHURCH RD		3,674		4,859	
-L- NC 16	459	2,207	2,207	2,207	2,207
	607				
10,159	130	1,267	1,267	13,044	20,156
16,309	204		1,933		
		2,404	3,663		
		-Y6- SMYRE FARM RD			

★ PROPOSED SIGNAL

FOR -L- PROFILE SEE SHEET 20  
 FOR -Y5- PROFILE SEE SHEET 25  
 FOR -Y6- PROFILE SEE SHEET 25  
 FOR CONC. MONO-ISLAND DETAIL SEE SHEET 2B-2  
 CONTAMINATED AREAS WILL BE HANDLED BY THE NCDOT GEOM ENVIRONMENTAL UNIT