

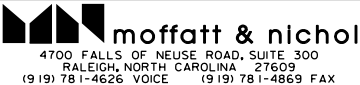

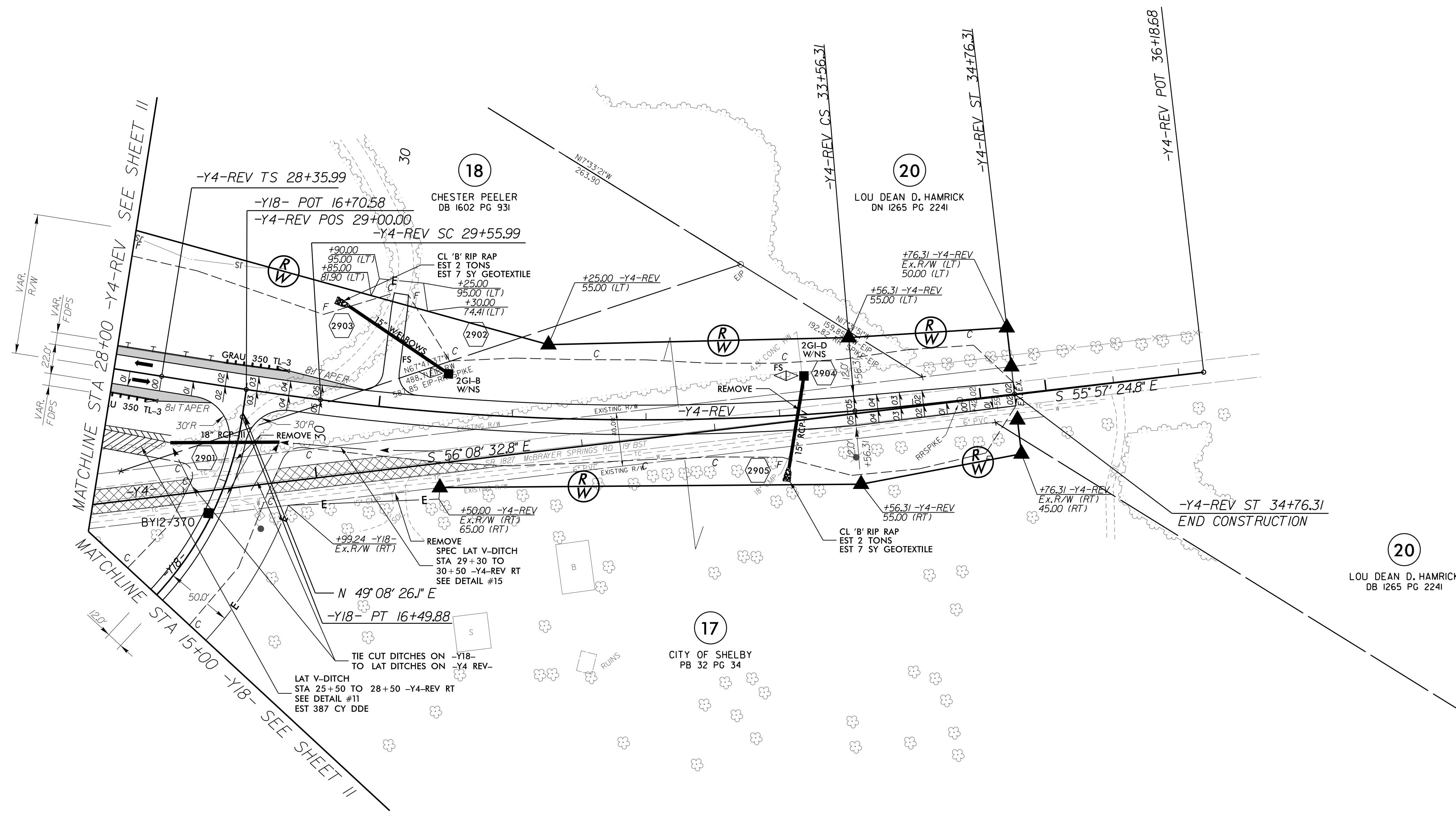
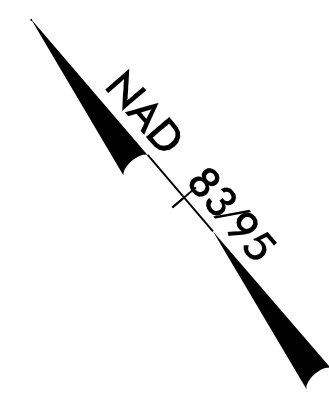


PROJECT REFERENCE NO. <i>R-2707C</i>		SHEET NO. 29	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 SEAL 15869 ENGINEER JIMMY R. BIRD 2856RAZES411... 4/12/2017		 SEAL 26971 ENGINEER JOSHUA B. HAMILTON 1089AD8010... 4/12/2017	
 4700 FALLS OF THE CHEROKEE, SUITE 300 RALEIGH, NORTH CAROLINA 27609 919.781.4600 VOICE • 919.781.4609 FAX www.mn-engineers.com		 Sunbeam Design Group, P.A. 1114 JONES FRANKLIN RD. RALEIGH, NC 27608	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



-Y4-REV		-Y18-	
PIs Sta 29+15.99	PI Sta 31+56.89	PIs Sta 33+96.31	PI Sta 15+25.20
$\theta_s = 1^{\circ} 48' 00.0''$	$\Delta = 12^{\circ} 00' 34.7''$ (LT)	$\theta_s = 1^{\circ} 48' 00.0''$	$\Delta = 65^{\circ} 15' 10.8''$ (LT)
$L_s = 120.00'$	$D = 3^{\circ} 00' 00.0''$	$L_s = 120.00'$	$D = 22^{\circ} 55' 05.9''$
$LT = 80.00'$	$L = 400.32'$	$LT = 80.00'$	$L = 284.72'$
$ST = 40.00'$	$T = 200.90'$	$ST = 40.00'$	$T = 160.04'$
	$R = 1,909.86'$		$R = 250.00'$
	$SE = .05$		
	$RO = 120'$		

FOR DITCH DETAILS SEE SHEETS 2D-1 AND 2D-2
 FOR -Y4-REV PROFILE SEE SHEET 57
 FOR -Y18- PROFILE SEE SHEET 76