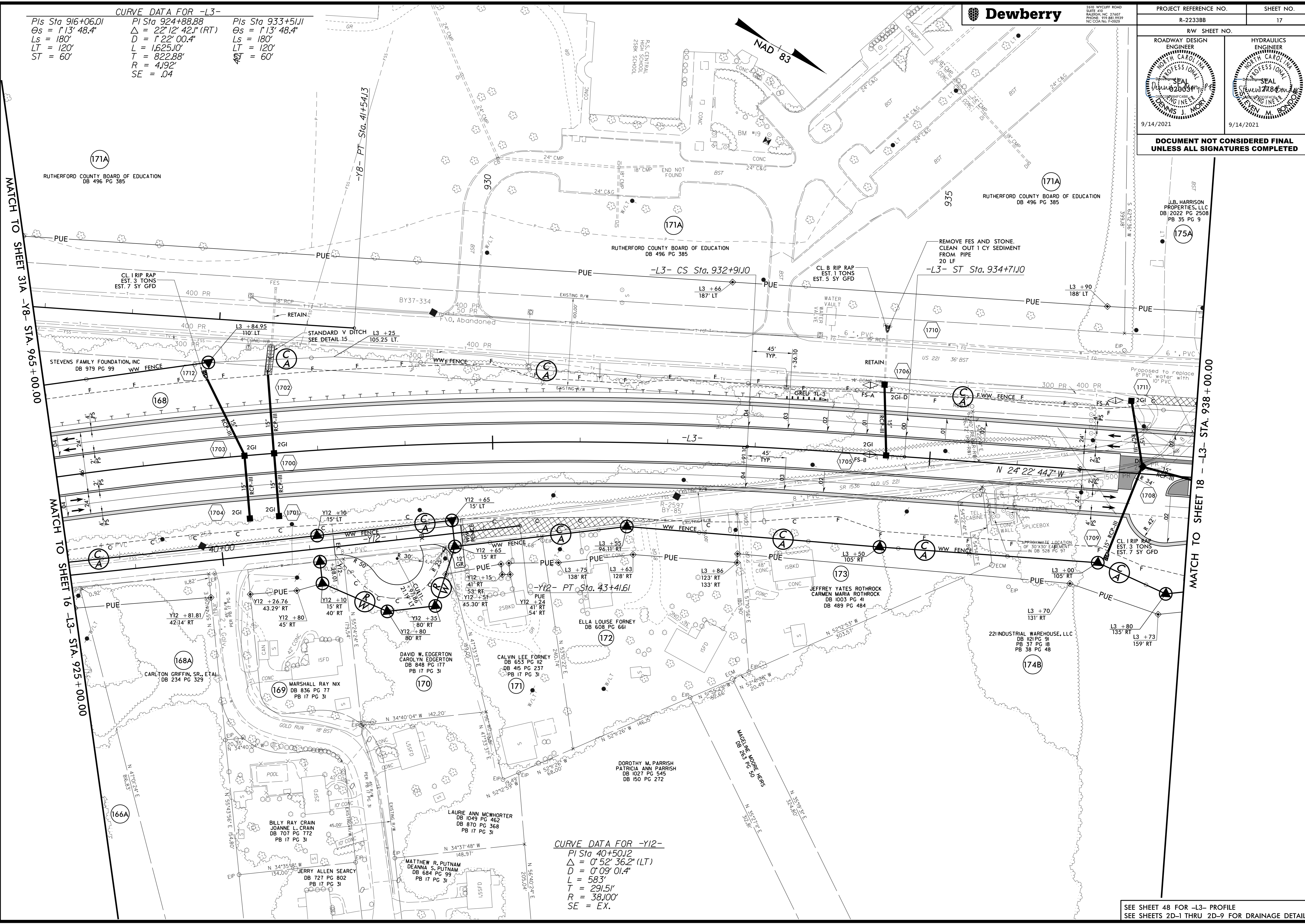




2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.883.9329  
NC CCA No. F-09229

PROJECT REFERENCE NO. R-2233BB	SHEET NO. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
9/14/2021	9/14/2021

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



**CURVE DATA FOR -L3-**

PI Sta 916+06.01	PI Sta 924+88.88	PI Sta 933+51.11
$\Delta s = 1'13" 48.4"$	$\Delta = 22'12" 42.1" (RT)$	$\Delta s = 1'13" 48.4"$
$Ls = 180'$	$D = 1'22" 00.4"$	$Ls = 180'$
$LT = 120'$	$L = 1,625.0'$	$LT = 120'$
$ST = 60'$	$T = 822.88'$	$LT = 60'$
	$R = 4,192'$	
	$SE = .04$	

**CURVE DATA FOR -Y12-**

PI Sta 40+50.12
$\Delta = 0'52" 36.2" (LT)$
$D = 0'09" 01.4"$
$L = 583'$
$T = 291.51'$
$R = 38,100'$
$SE = EX.$

9/13/2021 12:03:51 PM  
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SEE SHEET 48 FOR -L3- PROFILE  
SEE SHEETS 2D-1 THRU 2D-9 FOR DRAINAGE DETAILS