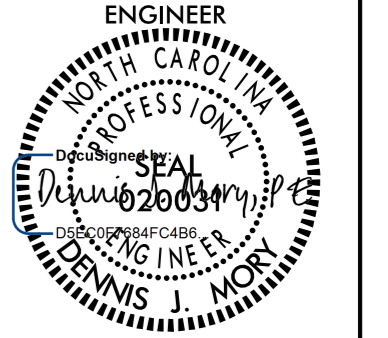
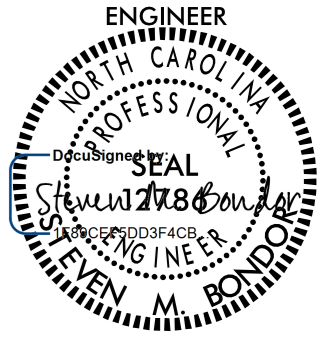
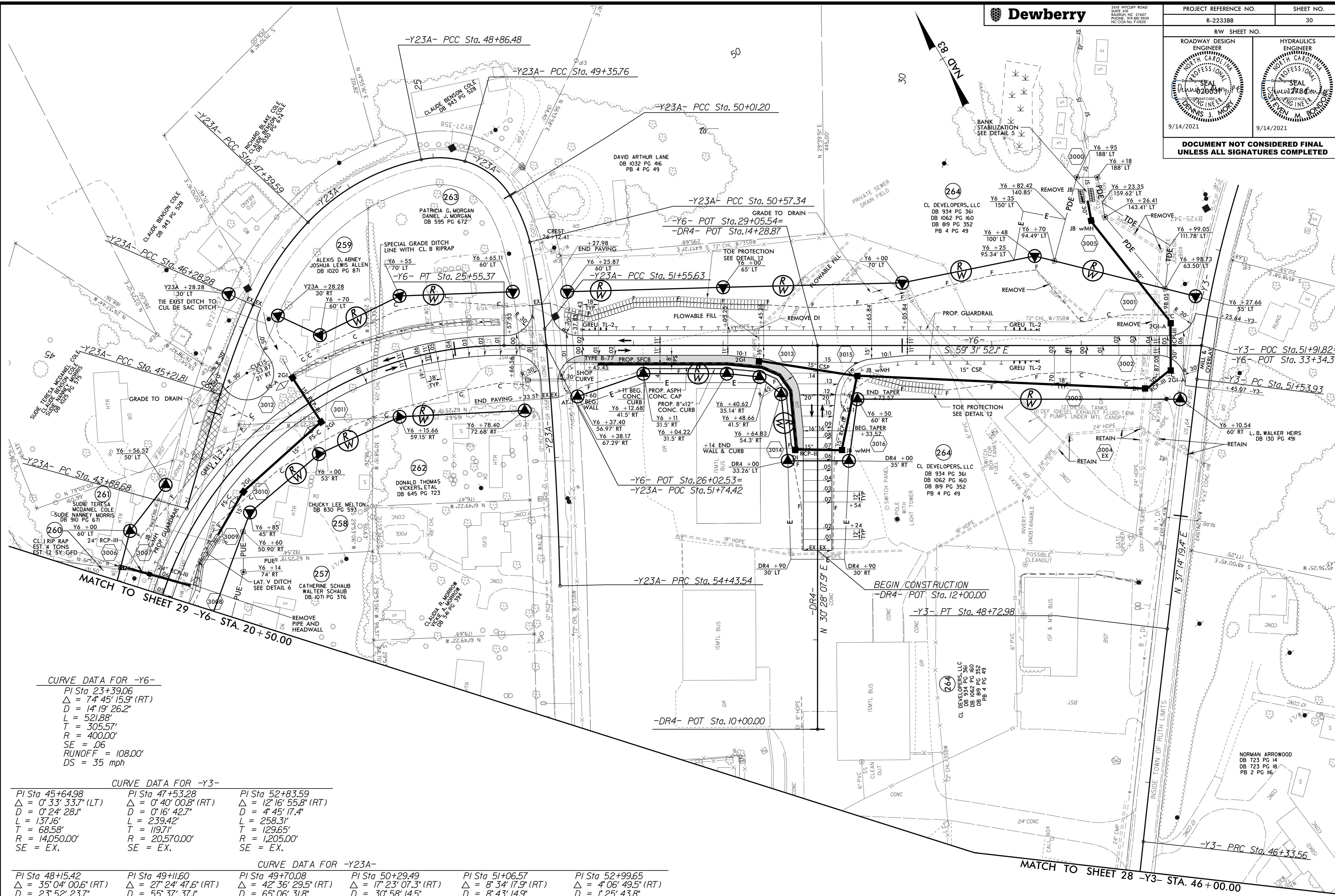




2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.883.9329
NC CCA No. F-0029

PROJECT REFERENCE NO. R-2233BB		SHEET NO. 30	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 DENNIS M. MORY 9/14/2021		 STEVEN M. BONNER 9/14/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



CURVE DATA FOR -Y6-
 PI Sta 23+39.06
 $\Delta = 74^{\circ} 45' 15.9''$ (RT)
 D = 14' 19" 26.2"
 L = 521.88'
 T = 305.57'
 R = 400.00'
 SE = .06
 RUNOFF = 108.00'
 DS = 35 mph

CURVE DATA FOR -Y3-

PI Sta 45+64.98	PI Sta 47+53.28	PI Sta 52+83.59
$\Delta = 0^{\circ} 33' 33.7''$ (LT)	$\Delta = 0^{\circ} 40' 00.8''$ (RT)	$\Delta = 12^{\circ} 16' 55.8''$ (RT)
D = 0' 24" 28.1"	D = 0' 16" 42.7"	D = 4' 45" 17.4"
L = 137.16'	L = 239.42'	L = 258.31'
T = 68.58'	T = 119.71'	T = 129.65'
R = 14,050.00'	R = 20,570.00'	R = 1,205.00'
SE = EX.	SE = EX.	SE = EX.

CURVE DATA FOR -Y23A-

PI Sta 48+15.42	PI Sta 49+11.60	PI Sta 49+70.08	PI Sta 50+29.49	PI Sta 51+06.57	PI Sta 52+99.65
$\Delta = 35^{\circ} 04' 00.6''$ (RT)	$\Delta = 27^{\circ} 24' 47.6''$ (RT)	$\Delta = 42^{\circ} 36' 29.5''$ (RT)	$\Delta = 17^{\circ} 23' 07.3''$ (RT)	$\Delta = 8^{\circ} 34' 17.9''$ (RT)	$\Delta = 4^{\circ} 06' 49.5''$ (RT)
D = 23' 52" 23.7"	D = 55' 37" 37.1"	D = 65' 06" 31.8"	D = 30' 58" 14.5"	D = 8' 43" 14.9"	D = 1' 25" 43.8"
L = 146.89'	L = 49.28'	L = 65.44'	L = 56.13'	L = 98.29'	L = 287.91'
T = 75.83'	T = 25.12'	T = 34.32'	T = 28.28'	T = 49.24'	T = 144.02'
R = 240.00'	R = 103.00'	R = 88.00'	R = 185.00'	R = 657.00'	R = 4,010.00'
SE = EX.	SE = EX.	SE = EX.	SE = EX.	SE = EX.	SE = EX.

SEE SHEET 76 FOR -DR4- PROFILE
 SEE SHEETS 75 & 76 FOR -Y6- PROFILE
 SEE SHEETS 2D-1 THRU 2D-9 FOR DRAINAGE DETAILS
 SEE SHEETS W-1 THRU W-11 FOR RETAINING WALL PLANS

9/13/2021 11:41 AM
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