



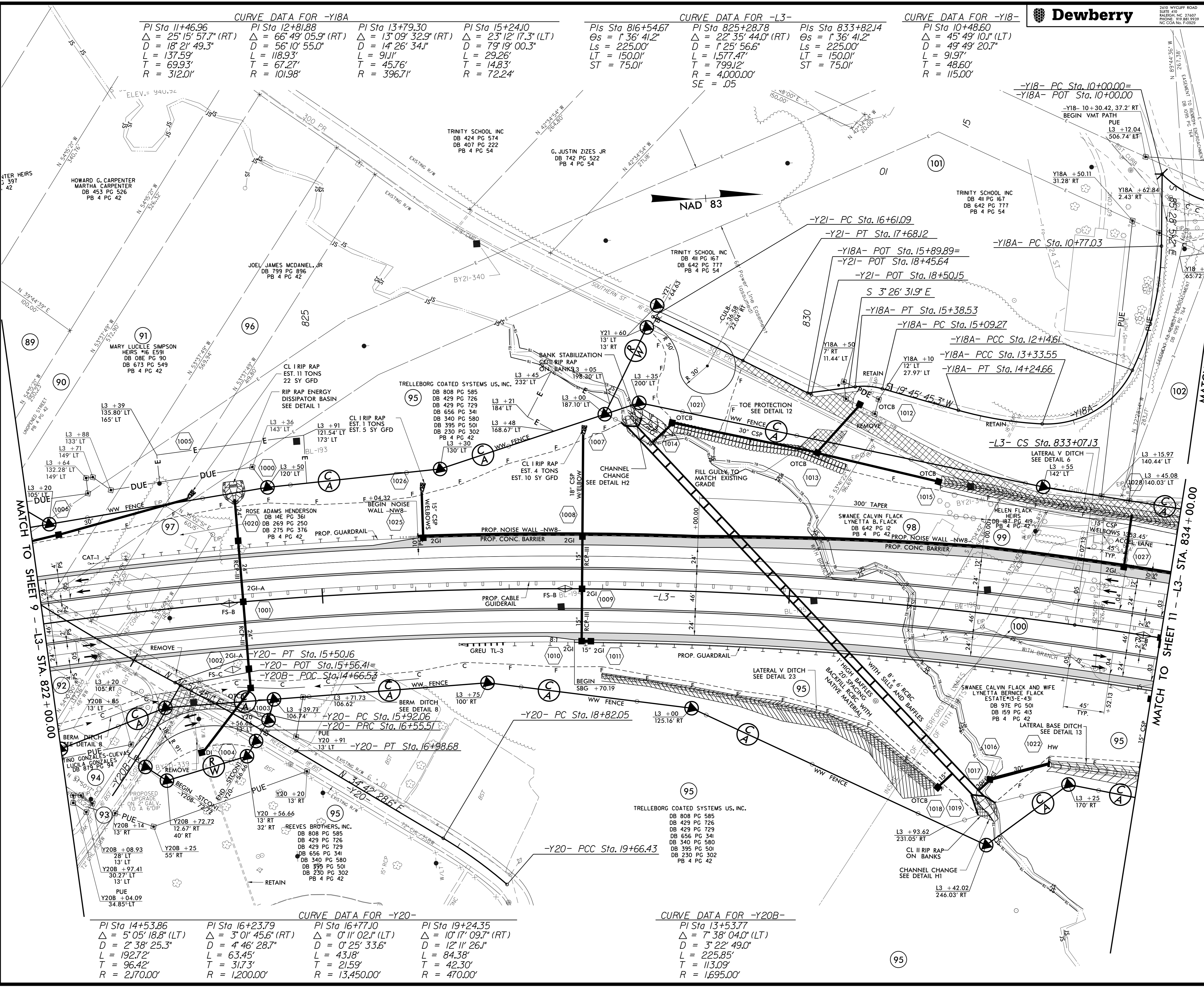
2410 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.883.9329
NC CCA No. F-0029

PROJECT REFERENCE NO.	SHEET NO.
R-2233BB	10

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 -Y18A

PI Sta 11+46.96 Δ = 25° 15' 57.7" (RT) D = 18' 21' 49.3" L = 137.59' T = 69.93' R = 312.01'	PI Sta 12+81.88 Δ = 66° 49' 05.9" (RT) D = 56' 10' 55.0" L = 118.93' T = 67.27' R = 101.98'	PI Sta 13+79.30 Δ = 13° 09' 32.9" (RT) D = 14' 26' 34.1" L = 91.11' T = 45.76' R = 396.71'	PI Sta 15+24.10 Δ = 23° 12' 17.3" (LT) D = 79' 19' 00.3" L = 29.26' T = 14.83' R = 72.24'
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CURVE DATA FOR -L3-

PIs Sta 816+54.67 Θs = 1° 36' 41.2" Ls = 225.00' LT = 150.01' ST = 75.01'	PI Sta 825+28.78 Δ = 22° 35' 44.0" (RT) D = 1' 25' 56.6" L = 1,577.47' T = 799.12' R = 4,000.00' SE = .05	PIs Sta 833+82.14 Θs = 1° 36' 41.2" Ls = 225.00' LT = 150.01' ST = 75.01'
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CURVE DATA FOR -Y18-

PI Sta 10+48.60 Δ = 45° 49' 10.1" (LT) D = 49' 49' 20.7" L = 91.97' T = 48.60' R = 115.00'

CURVE DATA FOR -Y20-

PI Sta 14+53.86 Δ = 5° 05' 18.8" (LT) D = 2' 38' 25.3" L = 192.72' T = 96.42' R = 2,170.00'	PI Sta 16+23.79 Δ = 3° 01' 45.6" (RT) D = 4' 46' 28.7" L = 63.45' T = 31.73' R = 1,200.00'	PI Sta 16+77.10 Δ = 0° 11' 02.1" (LT) D = 0' 25' 33.6" L = 43.18' T = 21.59' R = 13,450.00'	PI Sta 19+24.35 Δ = 10° 17' 09.7" (RT) D = 12' 11' 26.1" L = 84.38' T = 42.30' R = 470.00'
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CURVE DATA FOR -Y20B-

PI Sta 13+53.77 Δ = 7° 38' 04.0" (LT) D = 3' 22' 49.0" L = 225.85' T = 113.09' R = 1,695.00'

SEE SHEET 40 FOR -L3- PROFILE
SEE SHEET 74 FOR -Y18- PROFILE
SEE SHEETS C2-1 THRU C2-5 FOR CULVERT PLANS
SEE SHEETS 2D-1 THRU 2D-9 FOR DRAINAGE DETAILS

9/13/2021 10:03:02 AM
LIST: P:\S\2233BB.RDY_PSH10.DGN