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REVISIONS

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
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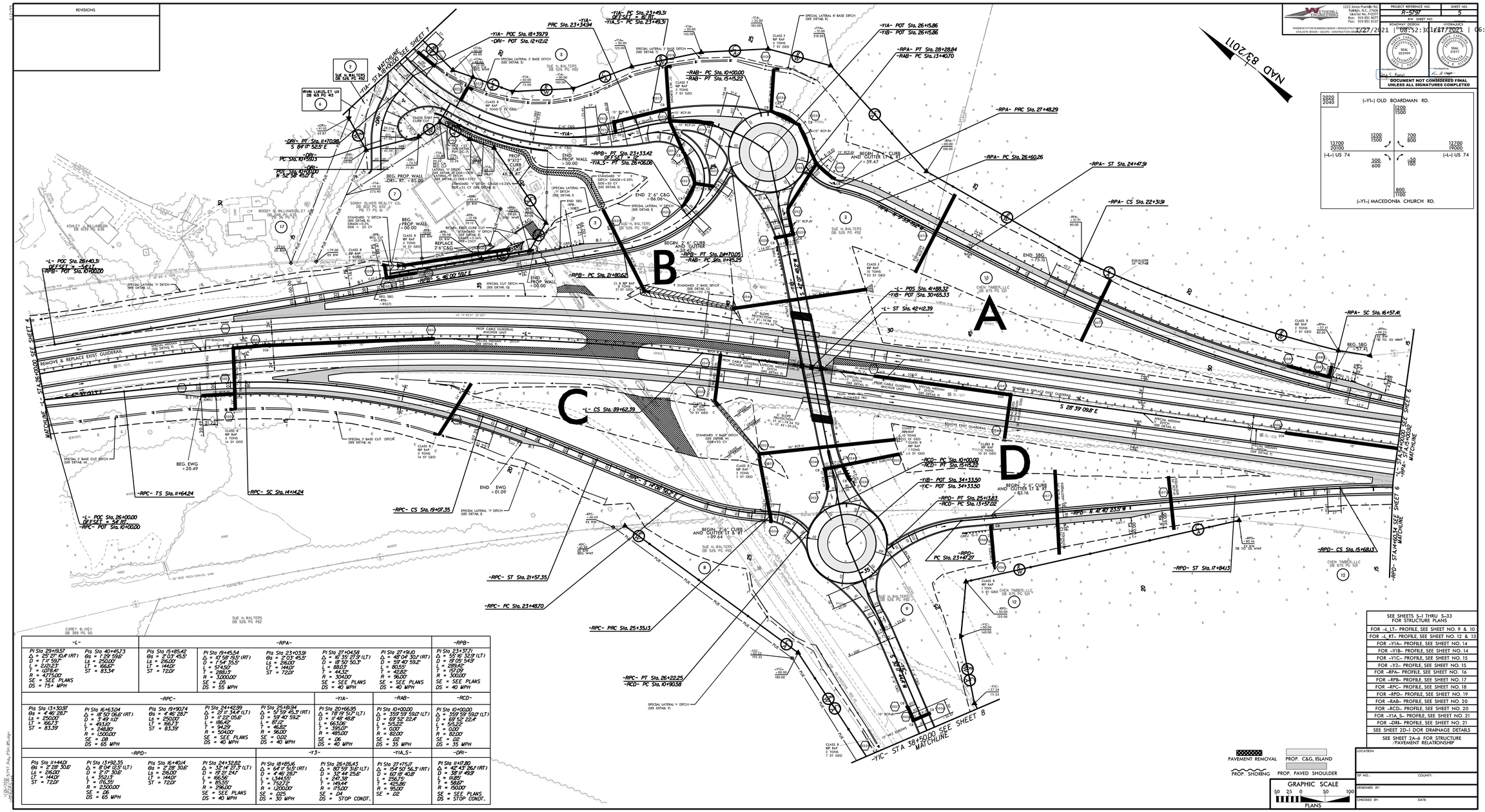
TRANSPORTATION PLANNING/DESIGN • BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GEO/GPS - CONSTRUCTION ENGINEERING

PROJECT REFERENCE NO.	SHEET NO.
R-5797	5
R/W SHEET NO.	
ROADWAY DESIGN: HYDRAULICS:	

SEAL 32299 PROFESSIONAL ENGINEER
SEAL 27977 PROFESSIONAL ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-L-		-RPA-				-RPB-
PI Sta 29+19.57 Δ = 25° 27' 10.4" (RT) D = 1° 19' 59.7" L = 2,129.23' T = 1,078.41' R = 4,775.00' SE = SEE PLANS DS = 75+ MPH	PI Sta 40+45.73 Δ = 1° 29' 59.6" Ls = 250.00' LT = 166.67' ST = 83.34'	PI Sta 15+85.42 Δ = 2° 03' 45.5" Ls = 216.00' LT = 144.01' ST = 72.01'	PI Sta 19+45.54 Δ = 17° 58' 15.5" (RT) D = 1° 54' 35.5" L = 974.50' T = 388.13' R = 3,000.00' SE = DS DS = 55 MPH	PI Sta 23+03.91 Δ = 2° 03' 45.5" Ls = 216.00' LT = 144.01' ST = 72.01'	PI Sta 27+04.58 Δ = 16° 35' 27.3" (LT) D = 18° 50' 50.3" L = 880.11' T = 443.32' R = 304.00' SE = SEE PLANS DS = 40 MPH	PI Sta 27+91.10 Δ = 48° 04' 30.1" (RT) D = 59° 40' 59.2" L = 80.55' T = 42.82' R = 96.00' SE = SEE PLANS DS = 40 MPH	PI Sta 23+37.21 Δ = 59° 16' 30.9" (LT) D = 19° 05' 54.9" L = 289.42' T = 157.05' R = 300.00' SE = SEE PLANS DS = 40 MPH

-RPC-				-Y1A-	-RAB-	-RCD-
PI Sta 13+30.97 Δ = 4° 46' 08.7" D = 25° 00' 00.0" LT = 166.71' ST = 83.39'	PI Sta 16+63.04 Δ = 18° 50' 06.6" (RT) D = 3° 49' 11.0" L = 493.10' T = 248.80' R = 1,500.00' SE = DS DS = 65 MPH	PI Sta 19+90.74 Δ = 4° 46' 08.7" Ls = 250.00' LT = 166.71' ST = 83.39'	PI Sta 24+42.99 Δ = 12° 11' 34.4" (LT) D = 11° 22' 05.6" L = 196.49' T = 94.29' R = 504.00' SE = SEE PLANS DS = 40 MPH	PI Sta 25+18.94 Δ = 5° 59' 45.3" (RT) D = 59° 40' 59.2" L = 87.12' T = 46.82' R = 96.00' SE = 0.02 DS = 40 MPH	PI Sta 20+66.95 Δ = 78° 19' 51.7" (LT) D = 11° 46' 40.8" L = 663.06' T = 395.07' R = 485.00' SE = DS DS = 40 MPH	PI Sta 10+00.00 Δ = 359° 59' 59.0" (LT) D = 69° 55' 22.4" L = 515.22' T = 0.00' R = 82.00' SE = 0.12 DS = 35 MPH	PI Sta 10+00.00 Δ = 359° 59' 59.0" (LT) D = 69° 55' 22.4" L = 515.22' T = 0.00' R = 82.00' SE = 0.12 DS = 35 MPH

-RPD-			-Y3-		-Y1A_S-	-DRI-
PI Sta 11+44.01 Δ = 2° 28' 30.6" Ls = 216.00' LT = 144.01' ST = 72.01'	PI Sta 13+92.35 Δ = 8° 04' 12.5" (LT) D = 2° 17' 30.0" L = 352.11' T = 176.35' R = 2,500.00' SE = DS DS = 65 MPH	PI Sta 16+40.14 Δ = 2° 28' 30.6" Ls = 216.00' LT = 144.01' ST = 72.01'	PI Sta 24+32.82 Δ = 32° 11' 37.3" (LT) D = 19° 21' 24.1" L = 166.56' T = 85.55' R = 296.00' SE = SEE PLANS DS = 40 MPH	PI Sta 18+85.16 Δ = 64° 11' 51.5" (RT) D = 4° 46' 28.7" L = 1,344.55' T = 752.72' R = 1,200.00' SE = 0.025 DS = 50 MPH	PI Sta 26+26.43 Δ = 80° 59' 31.5" (LT) D = 32° 44' 25.6" L = 247.38' T = 149.44' R = 175.00' SE = 0.4 DS = STOP CONDT.	PI Sta 27+75.17 Δ = 154° 50' 56.3" (RT) D = 60° 18' 40.3" L = 256.75' T = 425.86' R = 95.00' SE = 0.12	PI Sta 11+17.80 Δ = 42° 43' 36.1" (RT) D = 38° 11' 49.9" L = 111.85' T = 58.87' R = 150.00' SE = SEE PLANS DS = STOP CONDT.

SEE SHEETS 5-1 THRU 5-33 FOR STRUCTURE PLANS

FOR -L LT- PROFILE, SEE SHEET NO. 9 & 10
FOR -L RT- PROFILE, SEE SHEET NO. 12 & 13
FOR -Y1A- PROFILE, SEE SHEET NO. 14
FOR -Y1B- PROFILE, SEE SHEET NO. 14
FOR -Y1C- PROFILE, SEE SHEET NO. 15
FOR -Y2- PROFILE, SEE SHEET NO. 15
FOR -RPA- PROFILE, SEE SHEET NO. 16
FOR -RPB- PROFILE, SEE SHEET NO. 17
FOR -RPC- PROFILE, SEE SHEET NO. 18
FOR -RPD- PROFILE, SEE SHEET NO. 19
FOR -RAB- PROFILE, SEE SHEET NO. 20
FOR -RCD- PROFILE, SEE SHEET NO. 20
FOR -Y1A_S- PROFILE, SEE SHEET NO. 21
FOR -DRI- PROFILE, SEE SHEET NO. 21
SEE SHEET 2D-1 DOR DRAINAGE DETAILS

SEE SHEET 2A-6 FOR STRUCTURE /PAVEMENT RELATIONSHIP

LOCATION:
TIP NO.: COUNTY:
DESIGNED BY:
CHECKED BY: DATE:

DocuSigned by:
Jeffrey Hall
6/27/2021 | 08:52:30 EDT
6/27/2021 | 06:0