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PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.115	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
3/16/2021
NORTH CAROLINA PROFESSIONAL SEAL 020107 ENGINEER DAVID W. BASS
DocuSigned by: David W. Bass
57FC0D1D5B0B4D...

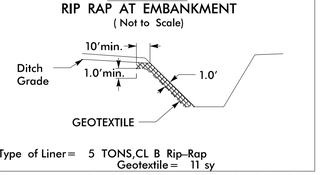
HYDRAULICS ENGINEER
3/15/2021
NORTH CAROLINA PROFESSIONAL SEAL 032312 ENGINEER CHARLES W. HEATHER
DocuSigned by: Charles Heather
4B0B2B5B5B0B4B...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DETAIL A
STANDARD 'V' DITCH
(Not to Scale)

FROM –L– STA. 13+15 TO –L– STA. 13+40 LT

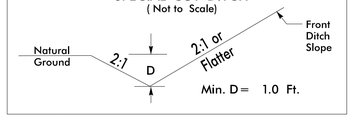
DETAIL B
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner= 5 TONS,CL B Rip-Rap
Geotextile = 11 sy

FROM –L– STA 13+10 TO STA 13+25 LT

DETAIL C
SPECIAL CUT DITCH
(Not to Scale)

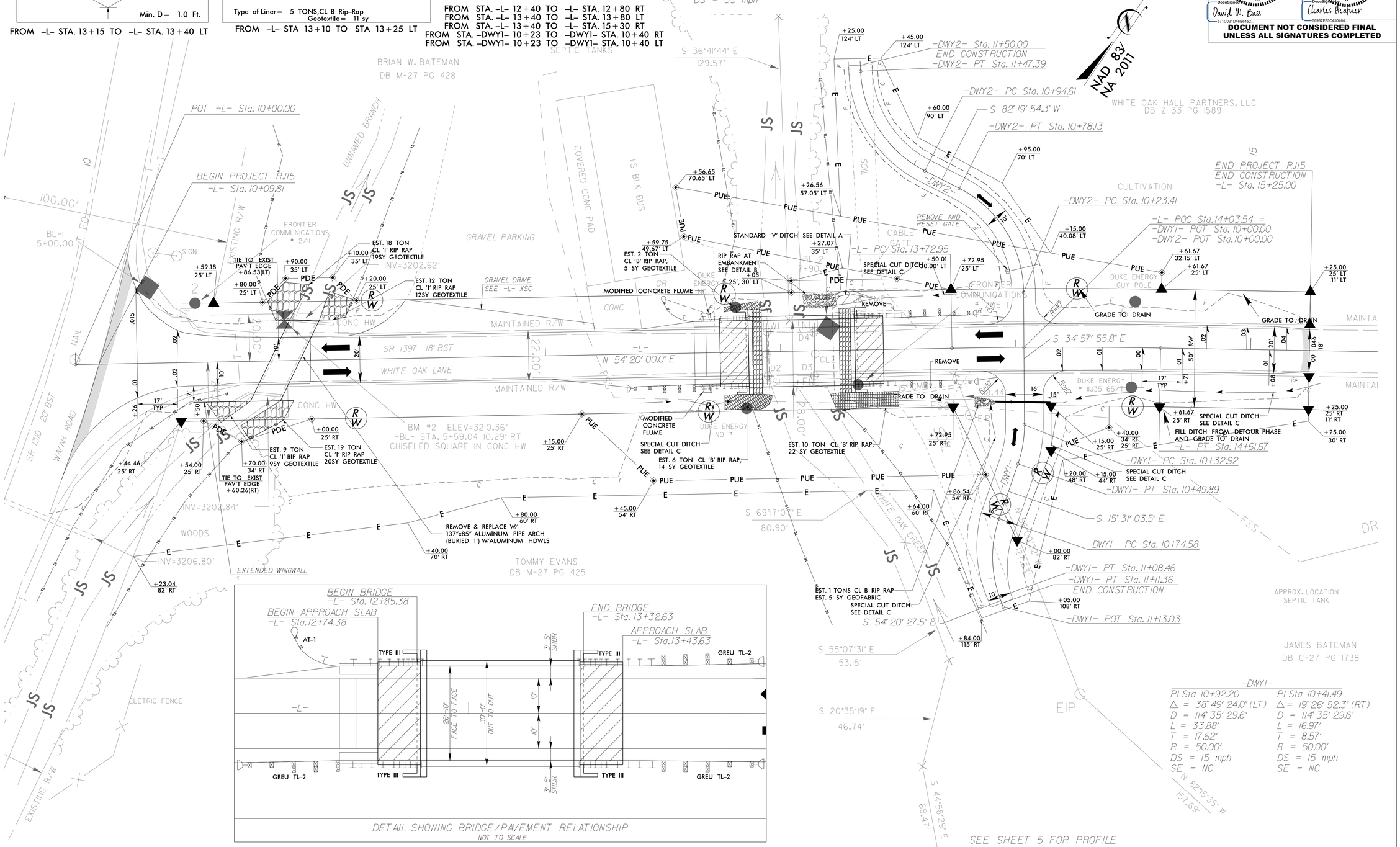


FROM STA. –L– 12+40 TO –L– STA. 12+80 RT
FROM STA. –L– 13+40 TO –L– STA. 13+80 LT
FROM STA. –L– 13+40 TO –L– STA. 15+30 RT
FROM STA. –DWY1– 10+23 TO –DWY1– STA. 10+40 RT
FROM STA. –DWY1– 10+23 TO –DWY1– STA. 10+40 LT

–L–
PI Sta 14+17.31
Δ = 2° 02' 00.0" (RT)
D = 2° 17' 30.6"
L = 88.72'
T = 44.37'
R = 2,500.00'
SE = RC
Ro = 30'
DS = 35 mph

–DWY2–
PI Sta 10+53.88
Δ = 62° 42' 10.0" (LT)
D = 114° 35' 29.6"
L = 54.72'
T = 30.46'
R = 50.00'
DS = 15 mph
SE = NC

–DWY2–
PI Sta 11+23.76
Δ = 60° 29' 16.0" (RT)
D = 114° 35' 29.6"
L = 52.79'
T = 29.15'
R = 50.00'
DS = 15 mph
SE = NC



DETAIL SHOWING BRIDGE/PAVEMENT RELATIONSHIP
NOT TO SCALE

-DWY1-
PI Sta 10+92.20
Δ = 38° 49' 24.0" (LT)
D = 114° 35' 29.6"
L = 33.88'
T = 17.62'
R = 50.00'
DS = 15 mph
SE = NC

-DWY1-
PI Sta 10+41.49
Δ = 19° 26' 52.3" (RT)
D = 114° 35' 29.6"
L = 16.97'
T = 8.57'
R = 50.00'
DS = 15 mph
SE = NC

SEE SHEET 5 FOR PROFILE
SEE SHEETS S-1 THRU S-17 FOR STRUCTURE PLANS

DATE PRINTED: 3/14/2021 3:57:57 PM
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