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PROJECT REFERENCE NO.	SHEET NO.
14SP.20881.1	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 15435 ENGINEER JOHN C. LANSFORD — 10/26/2021 — John C. Lansford

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 033023 ENGINEER BRADLEY RAMSEUR — DocuSigned by: Bradley Ramseur — 10/26/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NSRS 2007

BM#1 ELEV.=2140.96'
-BL- STA. 5+76.57 72.64 LT
RR SPIKE IN CLUSTER OF 4" MAPLES

-L1-
PI Sta 12+45.61
Δ = 62° 24' 09.5" (RT)
D = 32° 44' 25.6"
L = 190.60'
T = 105.99'
R = 175.00'
SE = 06

-Y-
PI Sta 11+00.57
Δ = 7° 44' 00.0" (RT)
D = 10° 00' 00.0"
L = 77.33'
T = 38.73'
R = 572.96'

-DR1-
PI Sta 10+65.23
Δ = 75° 41' 09.4" (LT)
D = 114° 35' 29.6"
L = 66.05'
T = 38.84'
R = 50.00'

BEGIN CONST. -DR1- STA. 10+26.39

END CONST. -Y- STA. 11+99.49

END APPROACH SLAB -L1- STA. 16+77.13

SHOULDER BERM GUTTER
-L1- STA 15+06.00 TO
-L1- STA 15+23.75 LT & RT

EST. 192 TONS CLASS II RIP RAP (STRUCTURAL PAY ITEM) UP TO ELEV. 2135.5
EST. EXCAVATION = 187 CY

REMOVE EXIST. BRIDGE

END PROJECT 14SP.20881.1
-L1- STA 17+28.66
-L1- POT Sta. 17+28.66 = -Y- POC Sta. 10+89.67

BEGIN CONST. -Y- STA. 10+25.00

BEGIN APPROACH SLAB -L1- STA. 15+12.88

EST. 146 TONS CLASS II RIP RAP (STRUCTURAL PAY ITEM) UP TO ELEV. 2135.5
EST. EXCAVATION = 320 CY

SEE SHEETS S-1 THRU S-22 FOR STRUCTURE PLANS

SHOULDER BERM GUTTER
-L- STA. 15+06 TO BEGIN BRIDGE LT AND RT

1 GEORGE R. BENTON, III DB 380 PG 720

2 BOBBY WOOD TRUSTEE DB 432 PG 327

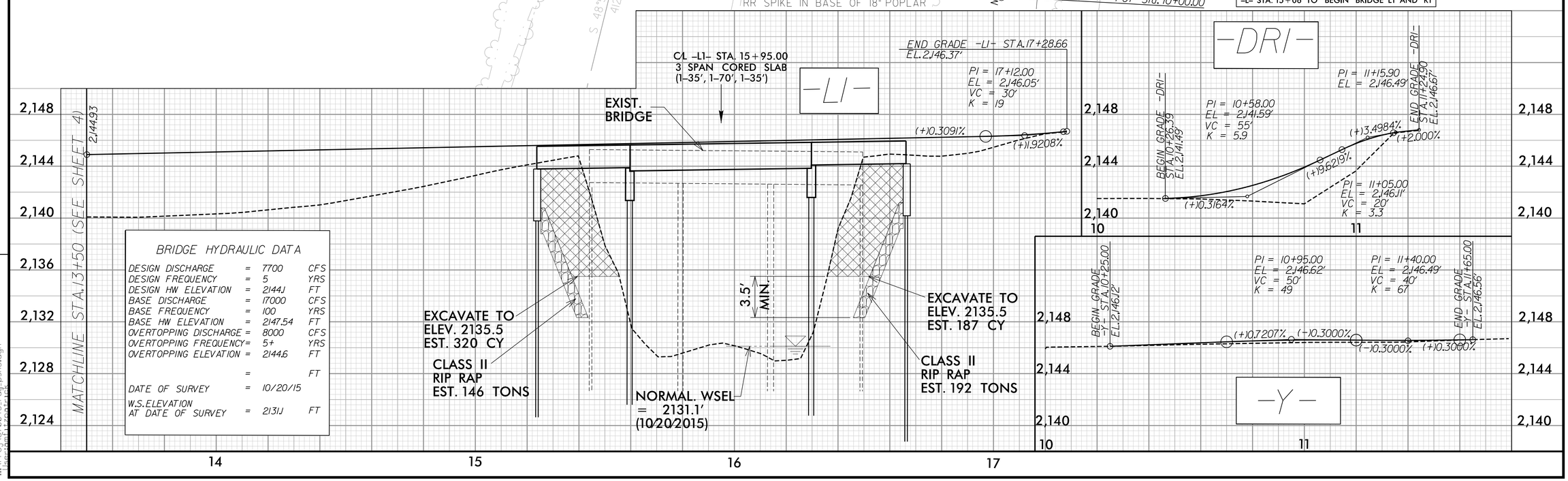
3 RACHEL H. FREEMAN DB 236 PG 76

4 DEBORAH A. WHITMIRE DB 506 PG 94

JACQUELYN S. HOVEY DB 255 PG 237 (NO CLAIM)

RACHEL H. FREEMAN DB 236 PG 76 (NO CLAIM)

MATCHLINE STA.13+50 (SEE SHEET 4)



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	7700	CFS
DESIGN FREQUENCY	=	5	YRS
DESIGN HW ELEVATION	=	2144.1	FT
BASE DISCHARGE	=	17000	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	2147.54	FT
OVERTOPPING DISCHARGE	=	8000	CFS
OVERTOPPING FREQUENCY	=	5+	YRS
OVERTOPPING ELEVATION	=	2144.6	FT
	=		FT
DATE OF SURVEY	=	10/20/15	
W.S. ELEVATION AT DATE OF SURVEY	=	2131.1	FT

REVISIONS

8/17/99

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