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PROJECT REFERENCE NO.	SHEET NO.
B-5747	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 32606 ENGINEER BENJAMIN R. CRAWFORD — 12/2/2016 — DocuSigned by: Benjamin R. Crawford

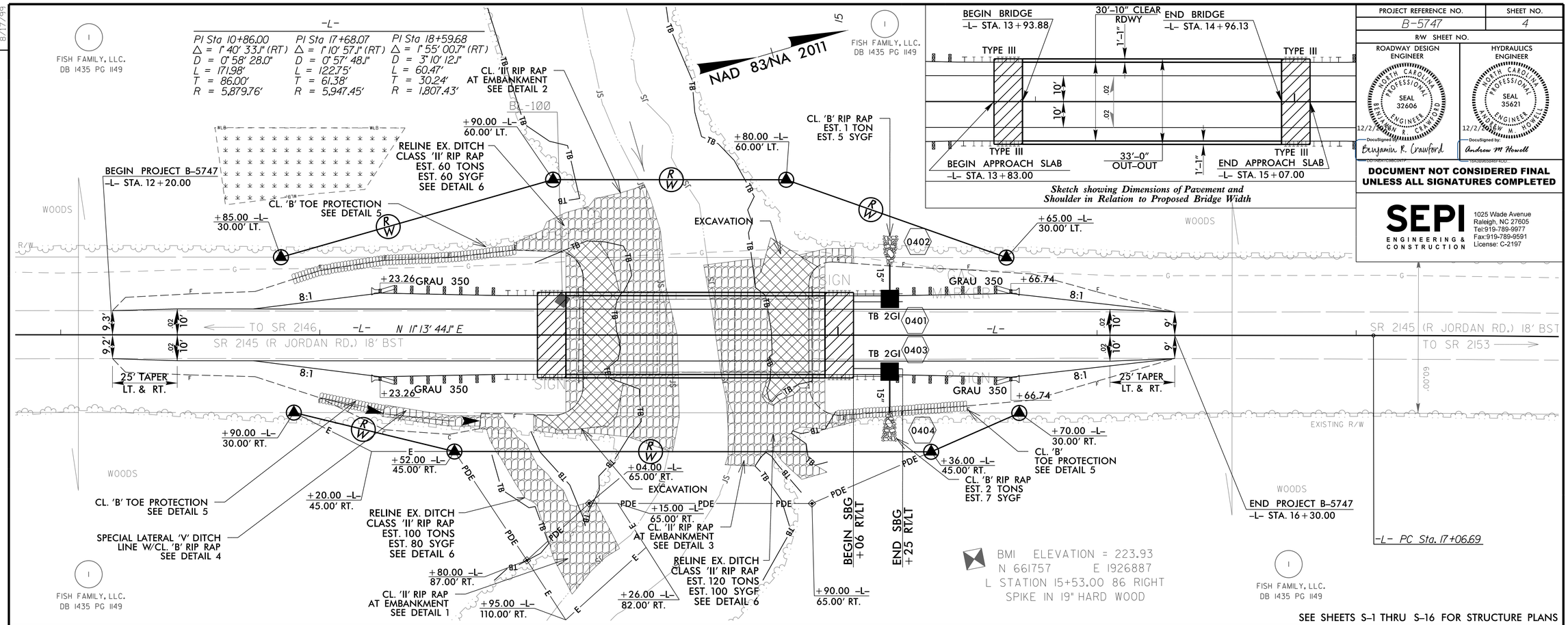
HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 35621 ENGINEER ANDREW M. HOWELL — 12/2/2016 — DocuSigned by: Andrew M Howell

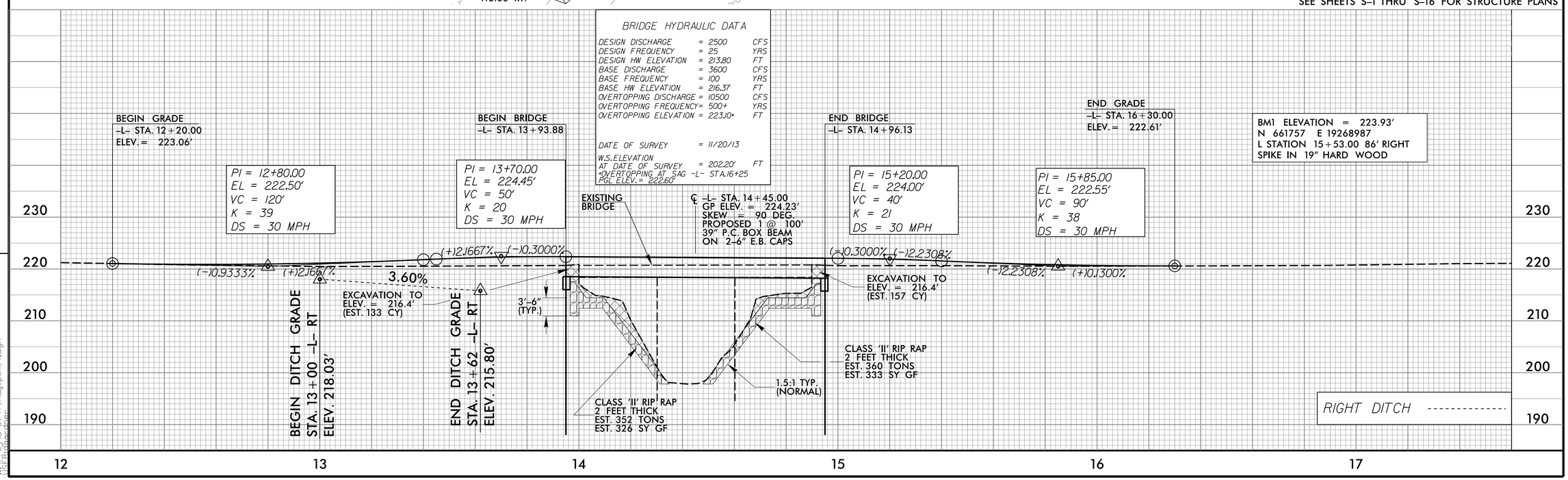
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEPI ENGINEERING & CONSTRUCTION
1025 Wade Avenue
Raleigh, NC 27605
Tel:919-789-9977
Fax:919-789-9591
License: C-2197

-L-

PI Sta 10+86.00	PI Sta 17+68.07	PI Sta 18+59.68
Δ = 1° 40' 33.1" (RT)	Δ = 1° 10' 57.1" (RT)	Δ = 1° 55' 00.7" (RT)
D = 0° 58' 28.0"	D = 0° 57' 48.1"	D = 3° 10' 12.1"
L = 171.98'	L = 122.75'	L = 60.47'
T = 86.00'	T = 61.38'	T = 30.24'
R = 5,879.76'	R = 5,947.45'	R = 1,807.43'





BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2500	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 213.80	FT
BASE DISCHARGE	= 3600	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 216.37	FT
OVERTOPPING DISCHARGE	= 10500	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 223.10*	FT
DATE OF SURVEY	= 11/20/13	
W.S. ELEVATION AT DATE OF SURVEY	= 202.20'	FT

*OVERTOPPING AT SAG -L- STA.16+25 PGL ELEV. = 222.60'

REVISIONS

12/2/2016 B-5747_Rdy.psh_4.dgn USERbarcfer