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8/17/99

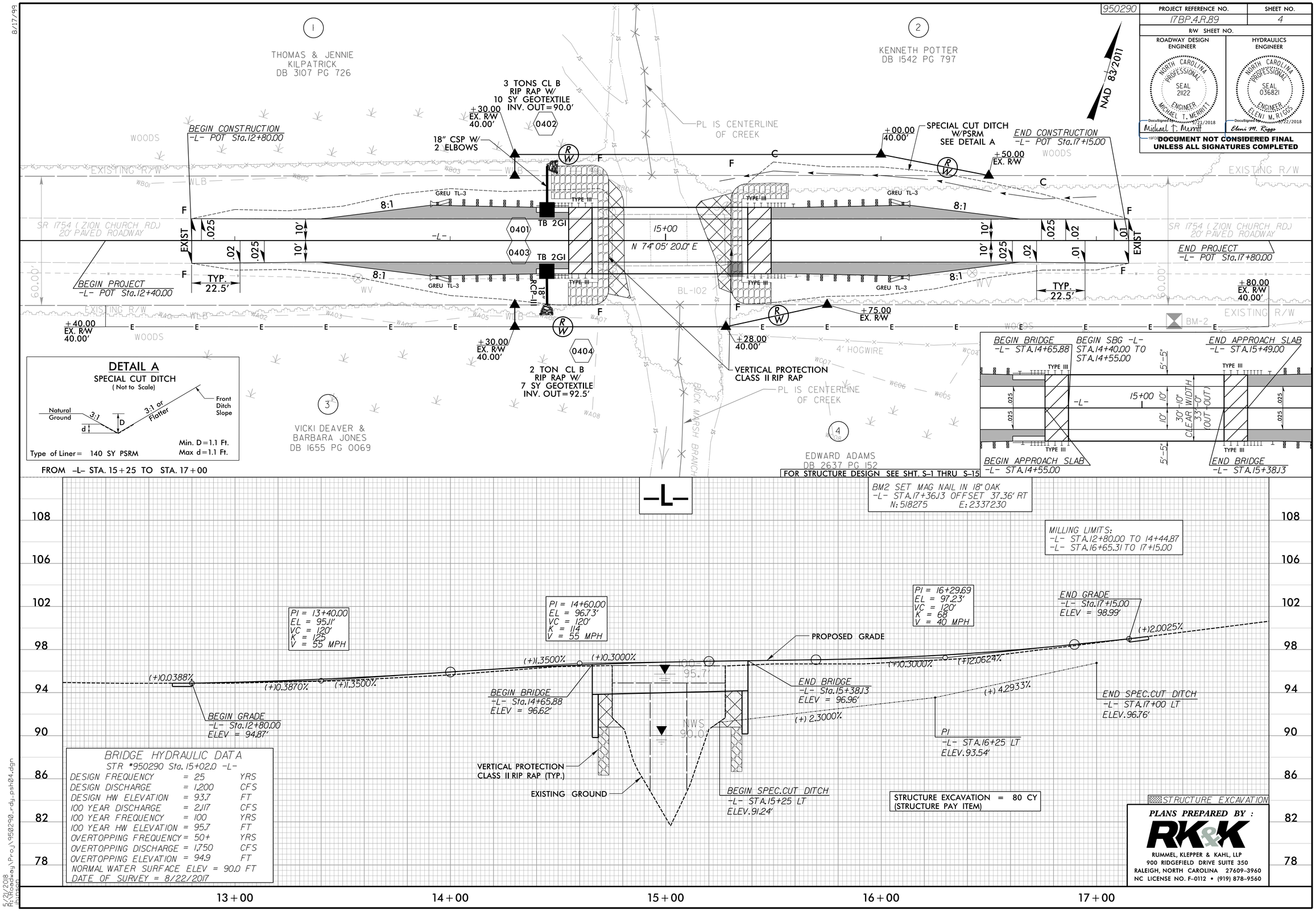
950290

PROJECT REFERENCE NO.	SHEET NO.
17BP.4.R.89	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 21122 ENGINEER MICHAEL T. MERRITT — DocuSigned by: Michael T. Merritt 6/21/2018

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 036821 ENGINEER ELENI M. RIGGS — DocuSigned by: Eleni M. Riggs 6/22/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DETAIL A
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground; 3:1; D; d; 3:1 or Flatter; Front Ditch Slope

Min. D=1.1 Ft.
Max d=1.1 Ft.

Type of Liner= 140 SY PSRM

FROM -L- STA. 15+25 TO STA. 17+00

BRIDGE HYDRAULIC DATA
STR #950290 Sta. 15+02.0 -L-

DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1,200	CFS
DESIGN HW ELEVATION	= 93.7	FT
100 YEAR DISCHARGE	= 2,117	CFS
100 YEAR FREQUENCY	= 100	YRS
100 YEAR HW ELEVATION	= 95.7	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 1,750	CFS
OVERTOPPING ELEVATION	= 94.9	FT

NORMAL WATER SURFACE ELEV = 90.0 FT
DATE OF SURVEY = 8/22/2017

6/21/2018
R:\Roadway\Proj\950290_rdy_psh04.dgn
bmason