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8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
17BP.8.R.77	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER 9/18/2015
NORTH CAROLINA PROFESSIONAL SEAL 034371 ENGINEER BRANDON W. JOHNSON
Brandon W. Johnson

HYDRAULICS ENGINEER 9/18/2015
NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER W. HENRY WELLS, JR.
W. Henry Wells Jr

Prepared in the Office of: SUMMIT DESIGN AND ENGINEERING SERVICES
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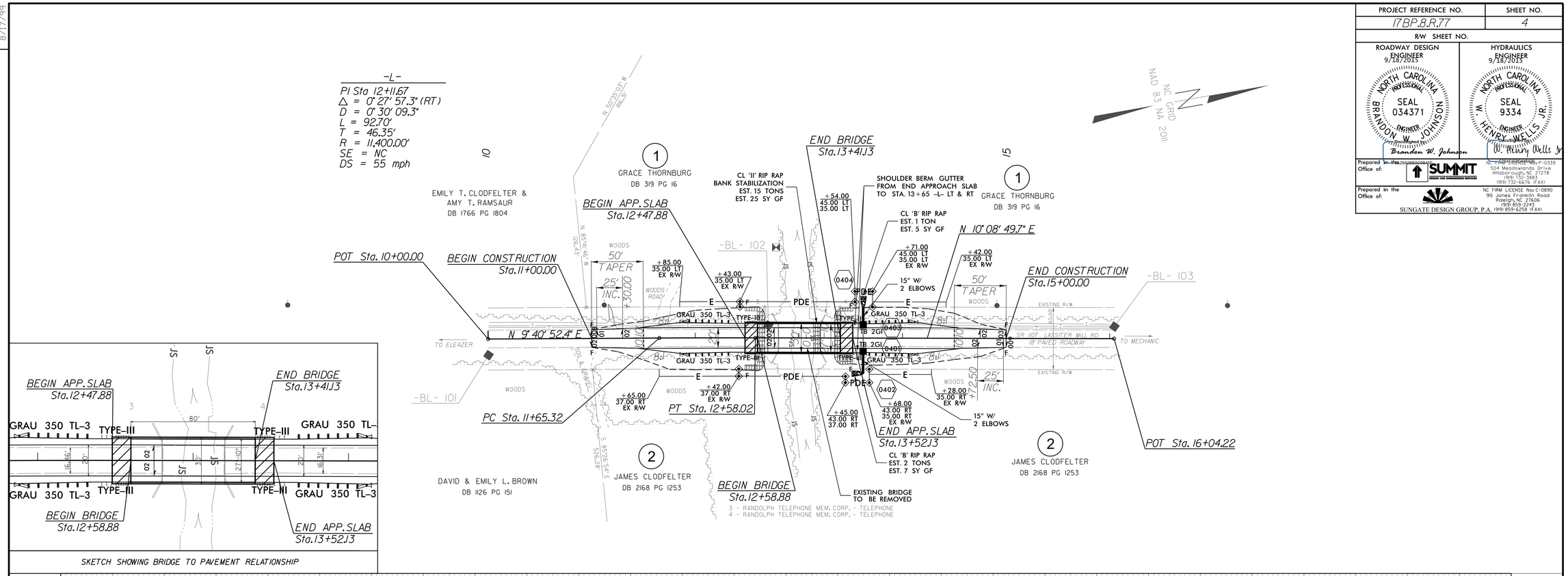
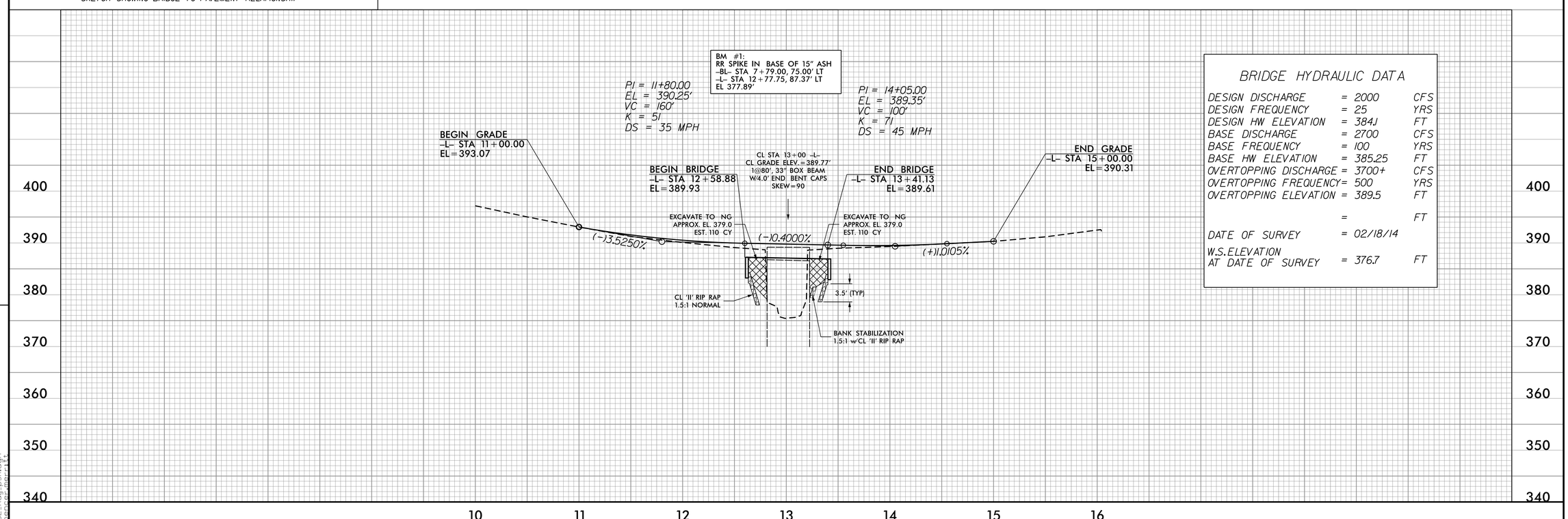
NC FIRM LICENSE: C-0339 P-0339 95 Jones Franklin Road Raleigh, NC 27606 (919) 859-2243 (919) 859-6258 (FAX)

-L-
PI Sta 12+11.67
Δ = 0° 27' 57.3" (RT)
D = 0° 30' 09.3"
L = 92.70'
T = 46.35'
R = 11,400.00'
SE = NC
DS = 55 mph



SKETCH SHOWING BRIDGE TO PAVEMENT RELATIONSHIP



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2000	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 384.1	FT
BASE DISCHARGE	= 2700	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 385.25	FT
OVERTOPPING DISCHARGE	= 3700+	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 389.5	FT
	=	FT
DATE OF SURVEY	= 02/18/14	
W.S.ELEVATION AT DATE OF SURVEY	= 376.7	FT

18-SEP-2015 08:58