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BRIDGE 950046	PROJECT REFERENCE NO.	SHEET NO.
FINAL PLANS	17BP.4.R.65	4
	R/W SHEET NO.	

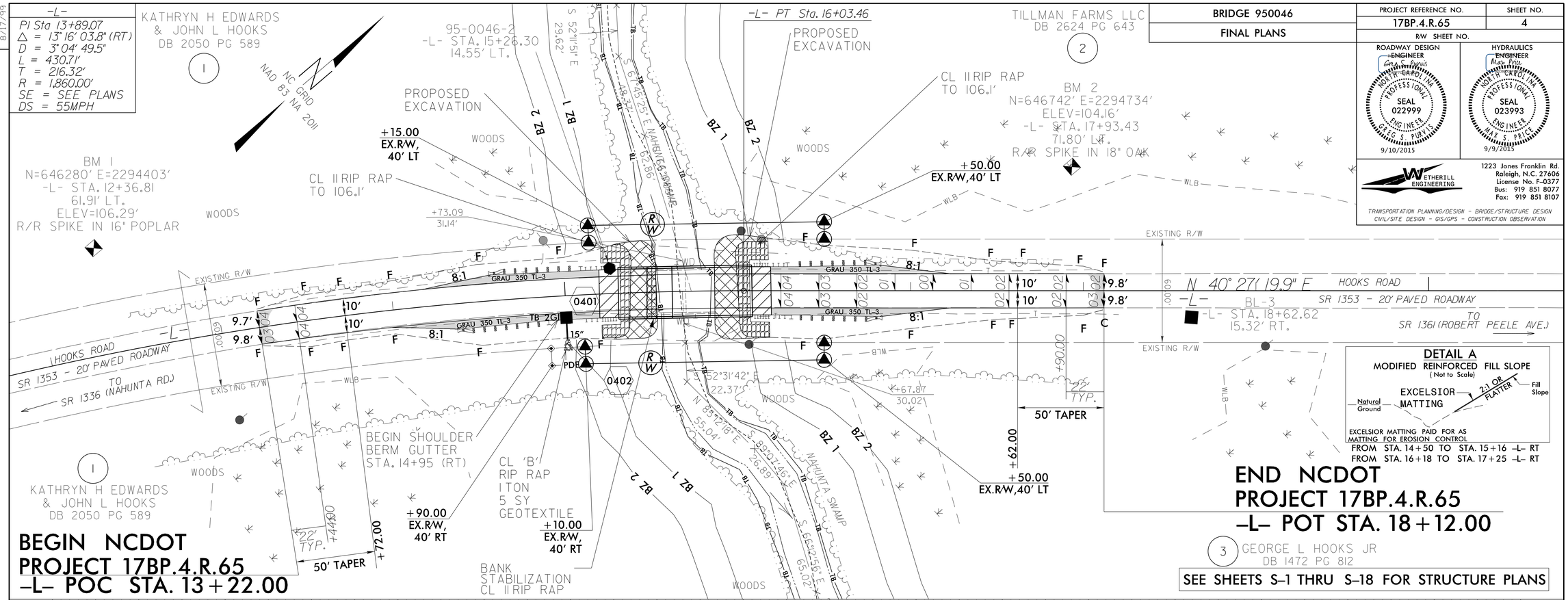
ROADWAY DESIGN ENGINEER — Greg S. Purvis — NORTH CAROLINA PROFESSIONAL SEAL 022999 ENGINEER GREG S. PURVIS — 9/10/2015

HYDRAULICS ENGINEER — Max Price — NORTH CAROLINA PROFESSIONAL SEAL 023993 ENGINEER MAX S. PRICE — 9/9/2015

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

-L-
PI Sta 13+89.07
△ = 13° 16' 03.8" (RT)
D = 3° 04' 49.5"
L = 430.71'
T = 216.32'
R = 1,860.00'
SE = SEE PLANS
DS = 55MPH

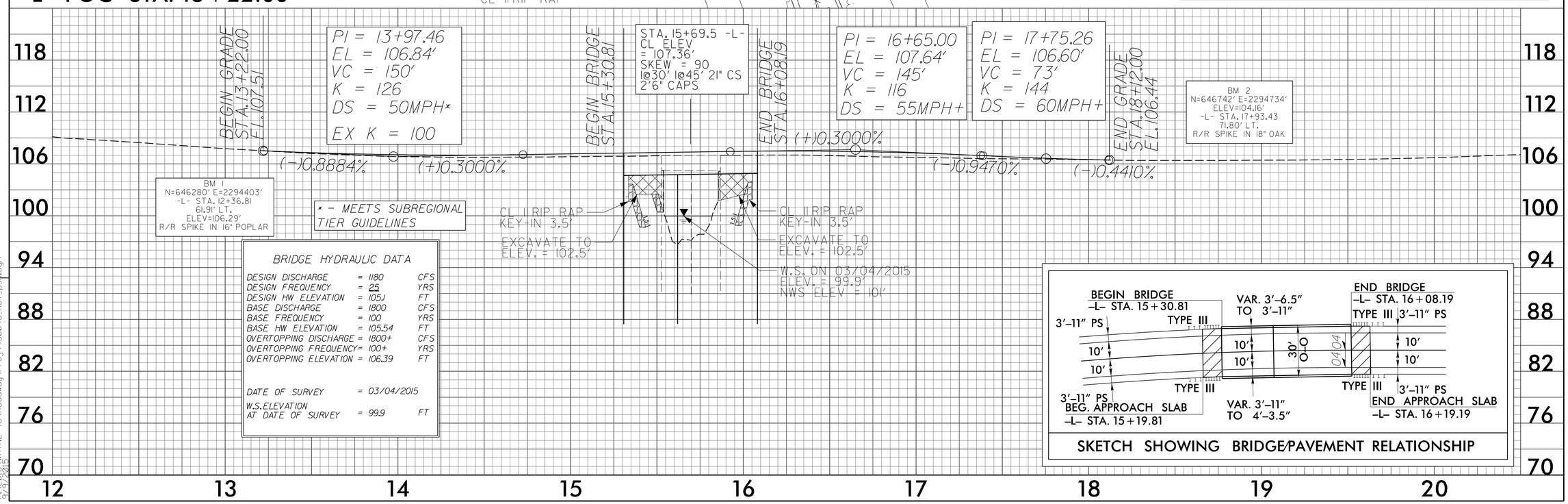


BEGIN NCDOT PROJECT 17BP.4.R.65 -L- POC STA. 13+22.00

END NCDOT PROJECT 17BP.4.R.65 -L- POT STA. 18+12.00

SEE SHEETS S-1 THRU S-18 FOR STRUCTURE PLANS

DETAIL A
MODIFIED REINFORCED FILL SLOPE (Not to Scale)
EXCELSIOR MATTING — Natural Ground — 2:1 OR FLATTER — Fill Slope
EXCELSIOR MATTING PAID FOR AS MATTING FOR EROSION CONTROL
FROM STA. 14+50 TO STA. 15+16 -L- RT
FROM STA. 16+18 TO STA. 17+25 -L- RT



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1180	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 105.1	FT
BASE DISCHARGE	= 1800	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 105.54	FT
OVERTOPPING DISCHARGE	= 1800+	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 106.39	FT
DATE OF SURVEY	= 03/04/2015	
W.S. ELEVATION AT DATE OF SURVEY	= 99.9	FT

SKETCH SHOWING BRIDGE/PAVEMENT RELationship

REVISIONS

8/17/99

8:39:53 AM
WAYNE 46\Roadway\Proj\950046_RDY_psh.dgn
9/9/2015