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5/14/99

CH ENGINEERING
3220 GLEN ROYAL RD. RALEIGH, NC 27617
TELE 919.788.0224 FAX 919.788.0232
NC LICENSE #P-0189

PROJECT REFERENCE NO.	SHEET NO.
B-5746	5

ROADWAY DESIGN ENGINEER
12/19/2016
NORTH CAROLINA PROFESSIONAL SEAL 16689 ENGINEER BRIAN ALLEN WILES
DocuSigned by: Brian A Wiles
8B0C0DFEA2E140E...

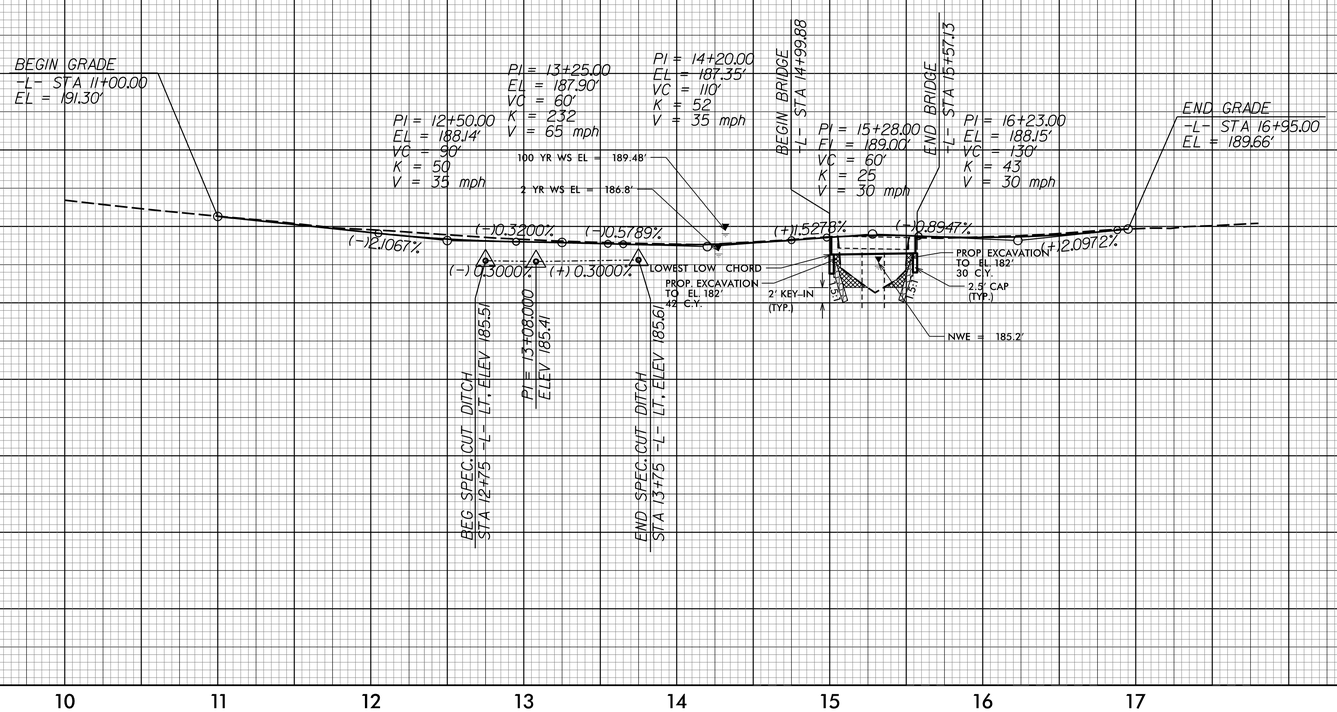
HYDRAULICS ENGINEER
12/19/2016
NORTH CAROLINA PROFESSIONAL SEAL 038683 ENGINEER MELANIE MYUYEN CHI NGUYEN
DocuSigned by: Melanie Nguyen
C9130B3C996748D...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 315	CFS
DESIGN FREQUENCY	= 2	YRS
DESIGN HW ELEVATION	= 186.8	FT
BASE DISCHARGE	= 1720	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 189.48	FT
OVERTOPPING DISCHARGE	= 460	CFS
OVERTOPPING FREQUENCY	= 2+	YRS
OVERTOPPING ELEVATION	= 187.6	FT
DATE OF SURVEY	= 2/2/16	
W.S. ELEVATION AT DATE OF SURVEY	= 185.7	FT



BM 1 ELEV = 198.78'
N 370,747 E 1,868,106
-BL- STA 18+14.00
N 22° 58' 39" W 282.60'
NAIL SET IN 20" DBL PINE

FOR PLAN, SEE SHEET 4

12/9/2016
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