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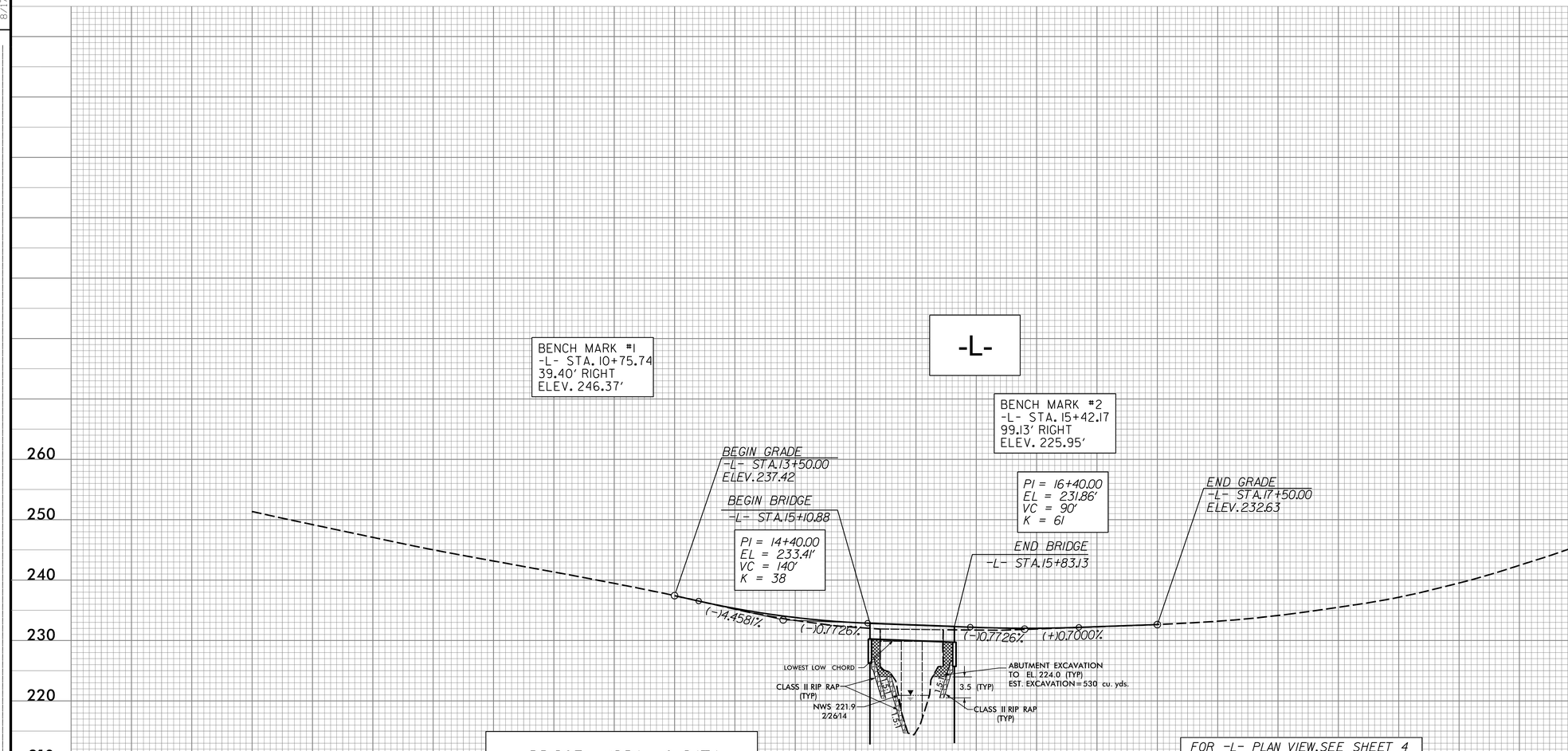
PROJECT REFERENCE NO.	SHEET NO.
17BP.5.R.59	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 34407 ENGINEER ANDREW P. YOUNG	NORTH CAROLINA PROFESSIONAL SEAL 022000 ENGINEER W. GALEN CAIL
DocuSigned by: Andrew P. Young 1/12/2016	DocuSigned by: Galen Cail 1/12/2016

STEWART
Firm License No. C-1051
421 Fayetteville St.
Suite 400
Raleigh, NC
T 919.380.8750
www.stewartinc.com

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



FOR -L- PLAN VIEW, SEE SHEET 4

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	3190	CFS
DESIGN FREQUENCY	=	25	YRS
DESIGN HW ELEVATION	=	231.0	FT
BASE DISCHARGE	=	4450	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	231.66	FT
OVERTOPPING DISCHARGE	=	4700+	CFS
OVERTOPPING FREQUENCY	=	100+	YRS
OVERTOPPING ELEVATION	=	232.0	FT
DATE OF SURVEY	=	02/26/2014	
W.S. ELEVATION AT DATE OF SURVEY	=	221.9	FT

REVISIONS

8/17/99

1/7/2016
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