DocuSign Envelope ID: 7CD260FC-D42E-4B5A-A133-97646EE814F3

8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
17BP.5.R.56	5

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 034407 ENGINEER ANDREW P. YOUNG
DocuSigned by: Andrew P. Young 3/14/2016

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 039102 ENGINEER BRANDON T. BARHAM
DocuSigned by: Brandon Barham 3/17/2016

STEWART
Firm License No. C-1051
421 Fayetteville St.
Suite 400
Raleigh, NC 27601
T 919.380.8750
www.stewartinc.com

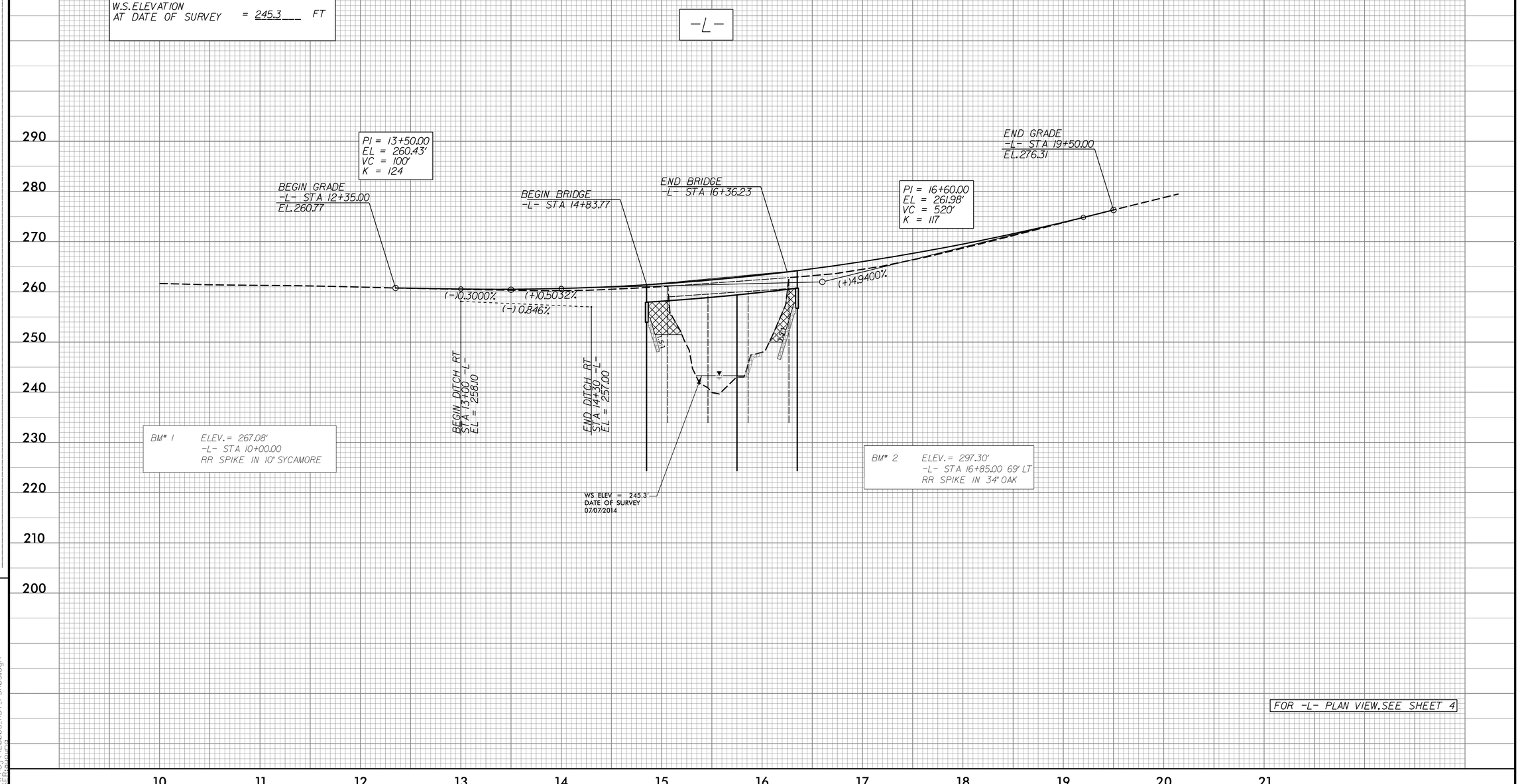
NC FIRM LICENSE No F-1148
1155 SE Cary Parkway, Suite 101
Cary, NC 27518
(919) 362-0020

ECOLOGICAL ENGINEERING

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	6600	CFS
DESIGN FREQUENCY	=	50	YR
DESIGN HW ELEVATION	=	258.0	FT
BASE DISCHARGE	=	8510	CFS
BASE FREQUENCY	=	100	YR
BASE HW ELEVATION	=	259.80	FT
OVERTOPPING DISCHARGE	=	8920	CFS
OVERTOPPING FREQUENCY	=	100+	YR
OVERTOPPING ELEVATION	=	260.5	FT
DATE OF SURVEY	=	07/07/2014	
W.S. ELEVATION AT DATE OF SURVEY	=	245.3	FT



FOR -L- PLAN VIEW, SEE SHEET 4

3/14/2016
USER: sjones
MicroStation V8 2004003.RDY_PSH05.dgn