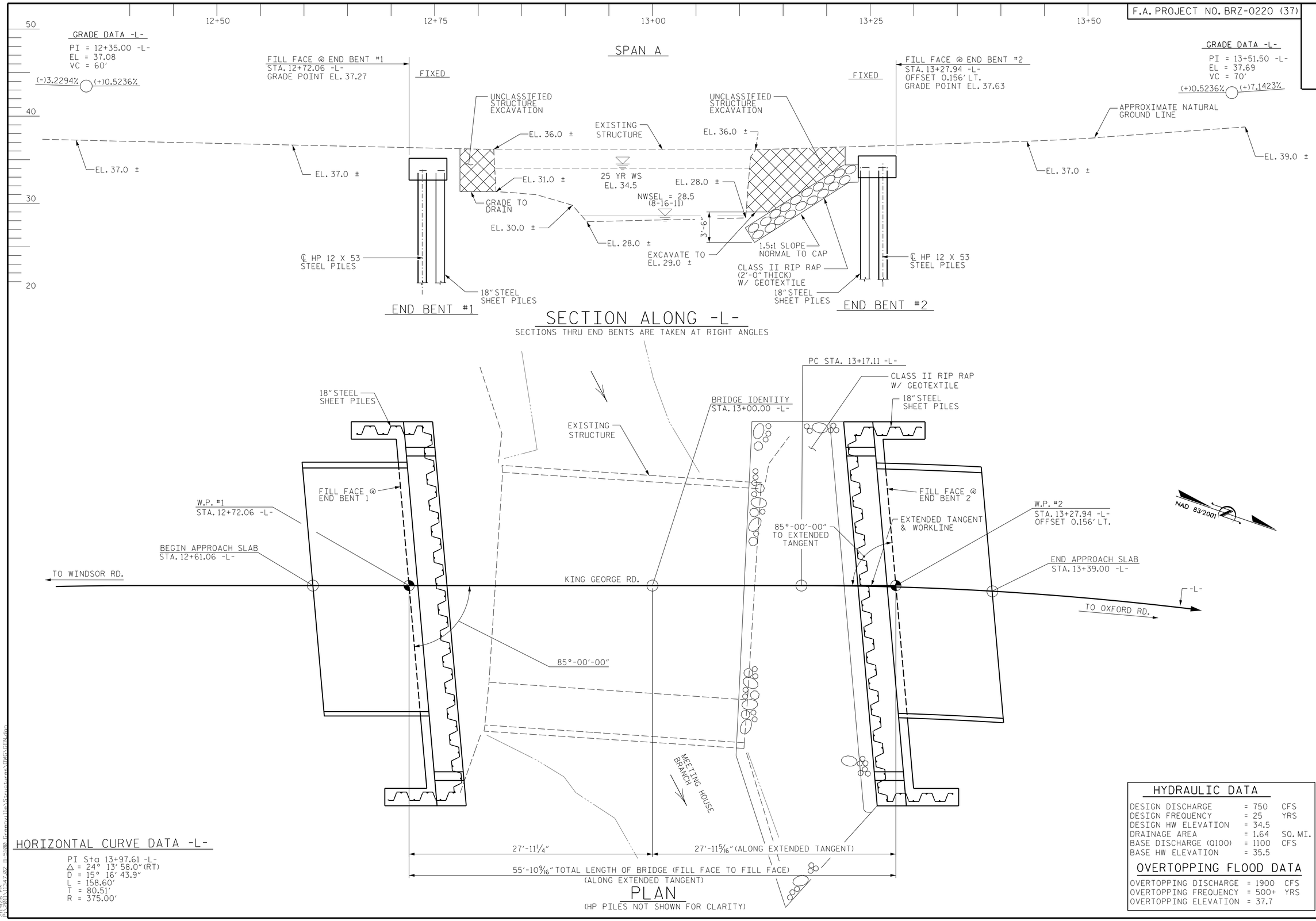
DocuSign Envelope ID: BEF9B9C9-CDF8-497D-8D3A-C79544B16B6B

F.A. PROJECT NO. BRZ-0220 (37)



HORIZONTAL CURVE DATA -L-

PI Sta 13+97.61 -L-
Δ = 24° 13' 58.0" (RT)
D = 15° 16' 43.9"
L = 158.60'
T = 80.51'
R = 375.00'

HYDRAULIC DATA

DESIGN DISCHARGE	= 750	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 34.5	
DRAINAGE AREA	= 1.64	SQ. MI.
BASE DISCHARGE (Q100)	= 1100	CFS
BASE HW ELEVATION	= 35.5	

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	= 1900	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 37.7	

DocuSigned by:
NORTH CAROLINA PROFESSIONAL SEAL 22072 ENGINEER ARTHUR DILWORTH
3/14/2016
SEAL

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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

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

B-5100, BRIDGE NO. 421
WBS NO. 42236.1.1
CITY OF GREENVILLE
PITT COUNTY NORTH CAROLINA

GENERAL DRAWING
(SHEET 1 OF 3)

DATE:	1/25/12
SCALE:	N /A
DRAWN:	JCP
CHECKED:	JAD
PROJ. NO.:	B-5100
SHEET NO.	S-1
TOTAL SHEETS	21

3/14/2016
2:19:20 PM
R:\Bridge\11242.02 B-5100 Greenville\Structures\DWG\GEN.dgn