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8/17/99

REVISIONS

CURVE DATA

PI Sta 10+11.60	PI Sta 12+26.77	PI Sta 14+92.94	PI Sta 16+20.21
Δ = 0° 10' 38.1" (RT)	Δ = 1° 39' 26.1" (RT)	Δ = 1° 14' 17.0" (RT)	Δ = 1° 14' 17.0" (LT)
D = 0° 45' 50.2"	D = 1° 37' 23.2"	D = 1° 13' 08.6"	D = 0° 48' 33.3"
L = 23.20'	L = 102.10'	L = 101.56'	L = 152.99'
T = 11.60'	T = 51.06'	T = 50.78'	T = 76.50'
R = 7,500.00'	R = 3,530.00'	R = 4,700.00'	R = 7,080.00'

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY JOYNER KEENY FOR MONUMENT "BL-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 704527.35(ft) EASTING: 2923740.17(ft) ELEVATION: 3.24(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999902145
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL-2" TO -L- STATION 10+15 IS S 81° 28' 32.8" E 411.97'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared by
URS
URS Corporation - North Carolina
1600 Perimeter Park Drive, Suite 400
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PHONE: (919) 461-1100 FAX: (919) 461-1415
NC LIC.: C-2243

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.67	4
HYDE COUNTY BRIDGE NO. 470056	

ROADWAY DESIGN ENGINEER
9/23/2015
NORTH CAROLINA PROFESSIONAL SEAL 039831 ENGINEER JERRY B. JAVELLANA
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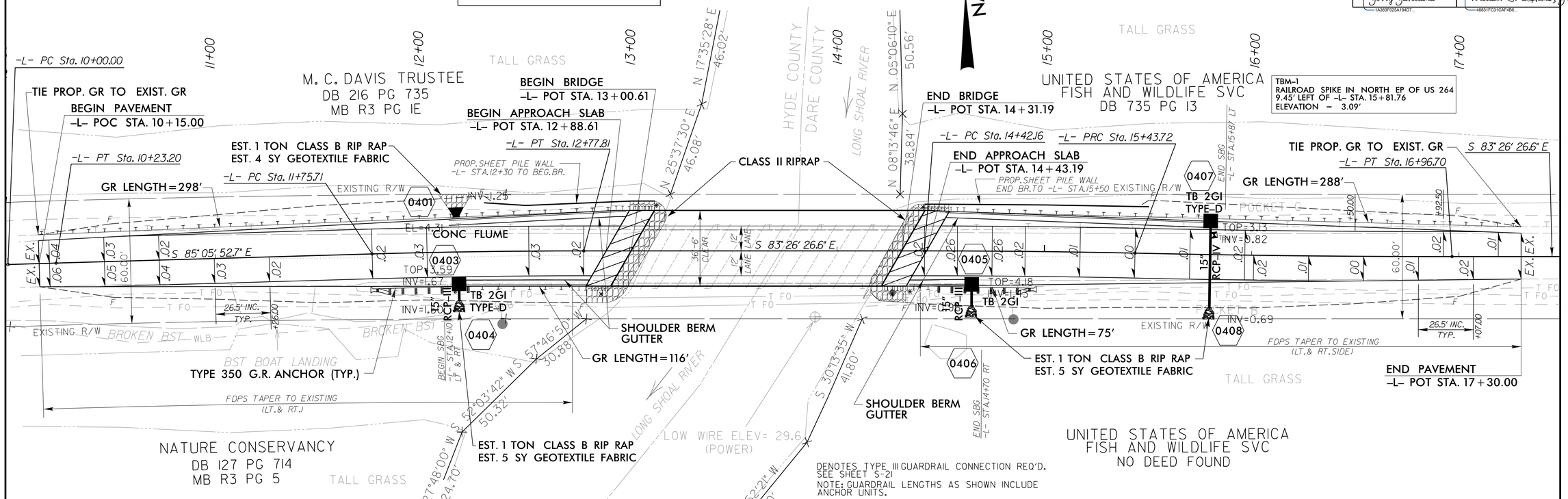
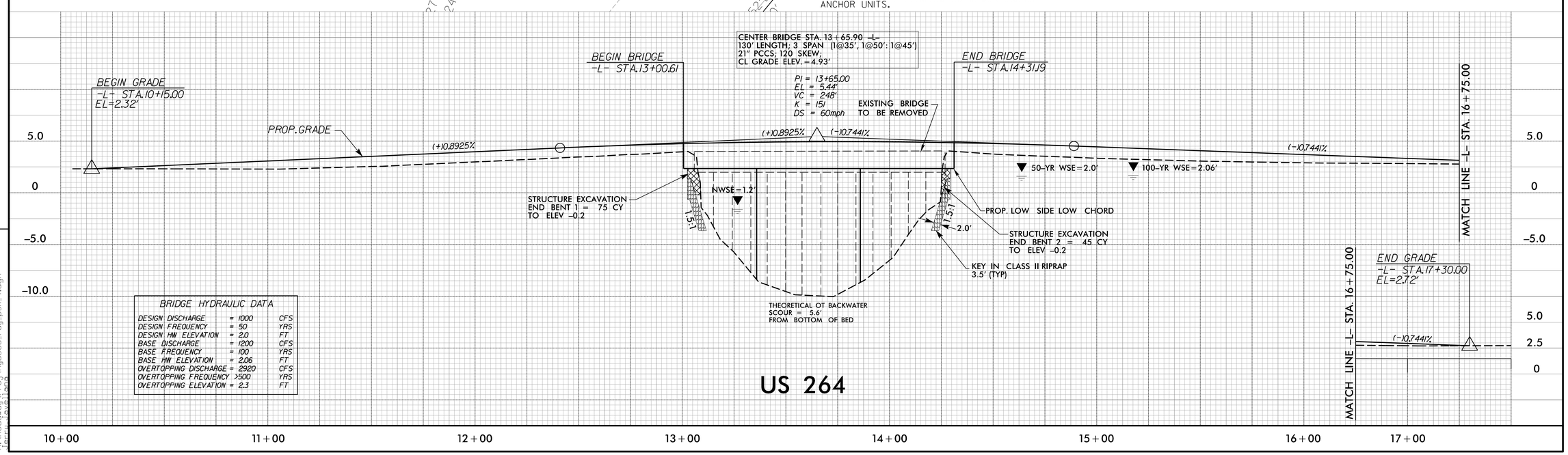
Jerry Javellana
1A363F025A194D7...

HYDRAULICS ENGINEER
9/23/2015
NORTH CAROLINA PROFESSIONAL SEAL 020754 ENGINEER WILLIAM T. STEPHENS, JR.
Docu Sign Envelope
William T. Stephens, Jr.
48831FC31CAF4B6...





BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1000	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2.0	FT
BASE DISCHARGE	= 1200	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2.06	FT
OVERTOPPING DISCHARGE	= 2920	CFS
OVERTOPPING FREQUENCY	>500	YRS
OVERTOPPING ELEVATION	= 2.3	FT

US 264

6/30/2015
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jerry.javellana