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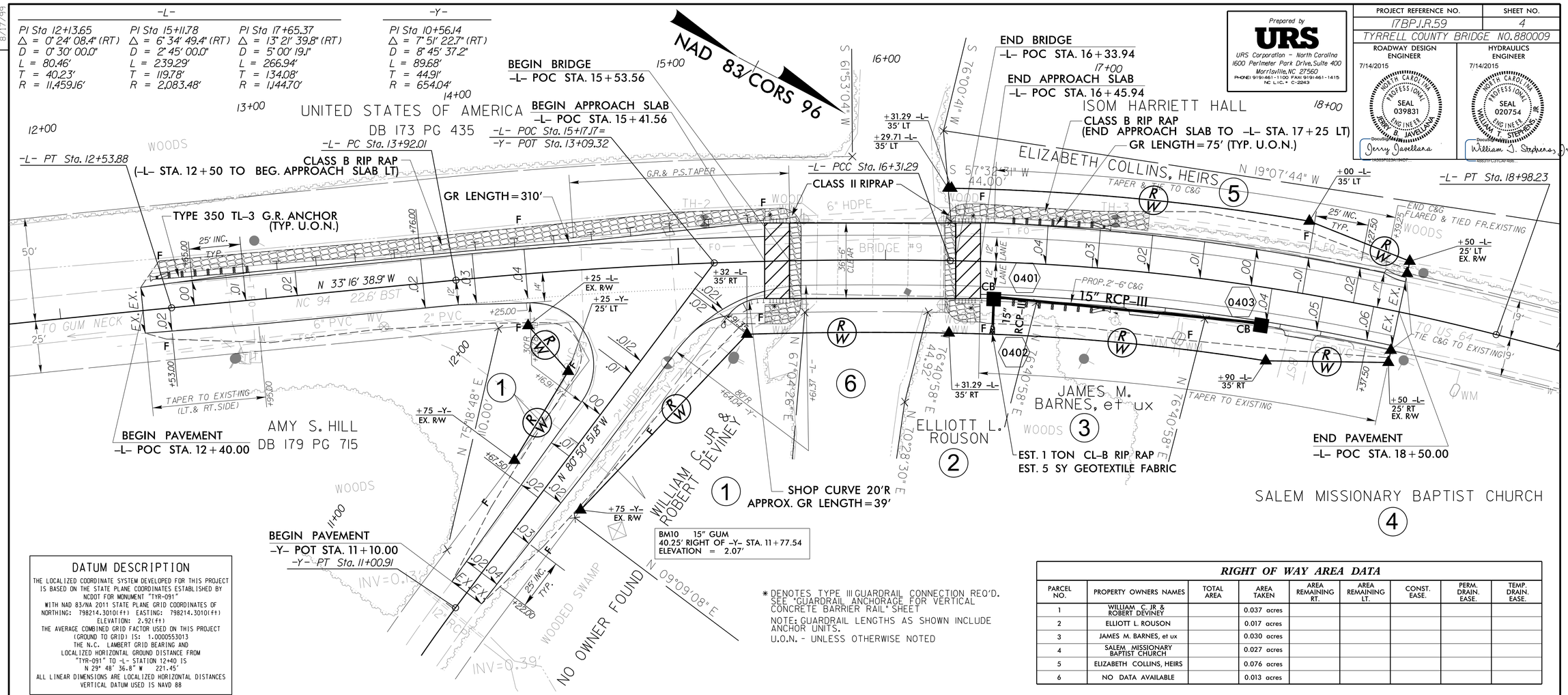
8/17/99

REVISIONS

-L-			-Y-
PI Sta 12+13.65	PI Sta 15+11.78	PI Sta 17+65.37	PI Sta 10+56.14
Δ = 0° 24' 08.4" (RT)	Δ = 6° 34' 49.4" (RT)	Δ = 13° 21' 39.8" (RT)	Δ = 7° 51' 22.7" (RT)
D = 0° 30' 00.0"	D = 2° 45' 00.0"	D = 5° 00' 19.1"	D = 8° 45' 37.2"
L = 80.46'	L = 239.29'	L = 266.94'	L = 89.68'
T = 40.23'	T = 119.78'	T = 134.08'	T = 44.91'
R = 11,459.16'	R = 2,083.48'	R = 1,144.70'	R = 654.04'



Prepared by
URS
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NC LIC.: C-2243

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.59	4

TYRRELL COUNTY BRIDGE NO. 880009

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
7/14/2015	7/14/2015
NORTH CAROLINA PROFESSIONAL SEAL 039831 ENGINEER JERRY B. JAVELLANA	NORTH CAROLINA PROFESSIONAL SEAL 020754 ENGINEER WILLIAM T. STEPHENS, JR.
DocuSigned by: Jerry Javellana	DocuSigned by: William T. Stephens, Jr.

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "TYR-091"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 798214.3010(ft) EASTING: 798214.3010(ft)
ELEVATION: 2.92(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0000553013
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "TYR-091" TO -L- STATION 12+40 IS
N 29° 48' 36.8" W 221.45'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

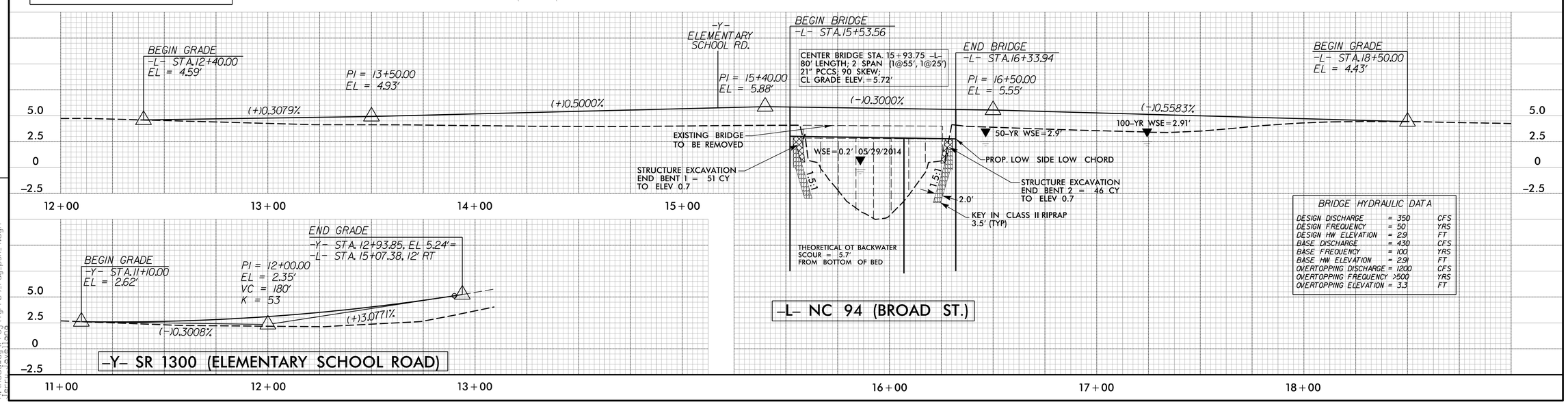
* DENOTES TYPE III GUARDRAIL CONNECTION REQ'D. SEE 'GUARDRAIL ANCHORAGE FOR VERTICAL CONCRETE BARRIER RAIL' SHEET

NOTE: GUARDRAIL LENGTHS AS SHOWN INCLUDE ANCHOR UNITS.

U.O.N. - UNLESS OTHERWISE NOTED

RIGHT OF WAY AREA DATA

PARCEL NO.	PROPERTY OWNERS NAMES	TOTAL AREA	AREA TAKEN	AREA REMAINING RT.	AREA REMAINING LT.	CONST. EASE.	PERM. DRAIN. EASE.	TEMP. DRAIN. EASE.
1	WILLIAM C. JR & ROBERT DEVINEY		0.037 acres					
2	ELLIOTT L. ROUSON		0.017 acres					
3	JAMES M. BARNES, et ux		0.030 acres					
4	SALEM MISSIONARY BAPTIST CHURCH		0.027 acres					
5	ELIZABETH COLLINS, HEIRS		0.076 acres					
6	NO DATA AVAILABLE		0.013 acres					



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 350	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2.9	FT
BASE DISCHARGE	= 430	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2.91	FT
OVERTOPPING DISCHARGE	= 1200	CFS
OVERTOPPING FREQUENCY	>500	YRS
OVERTOPPING ELEVATION	= 3.3	FT

7/1/2015
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terrio.javellana