

8/17/99

CURVE DATA

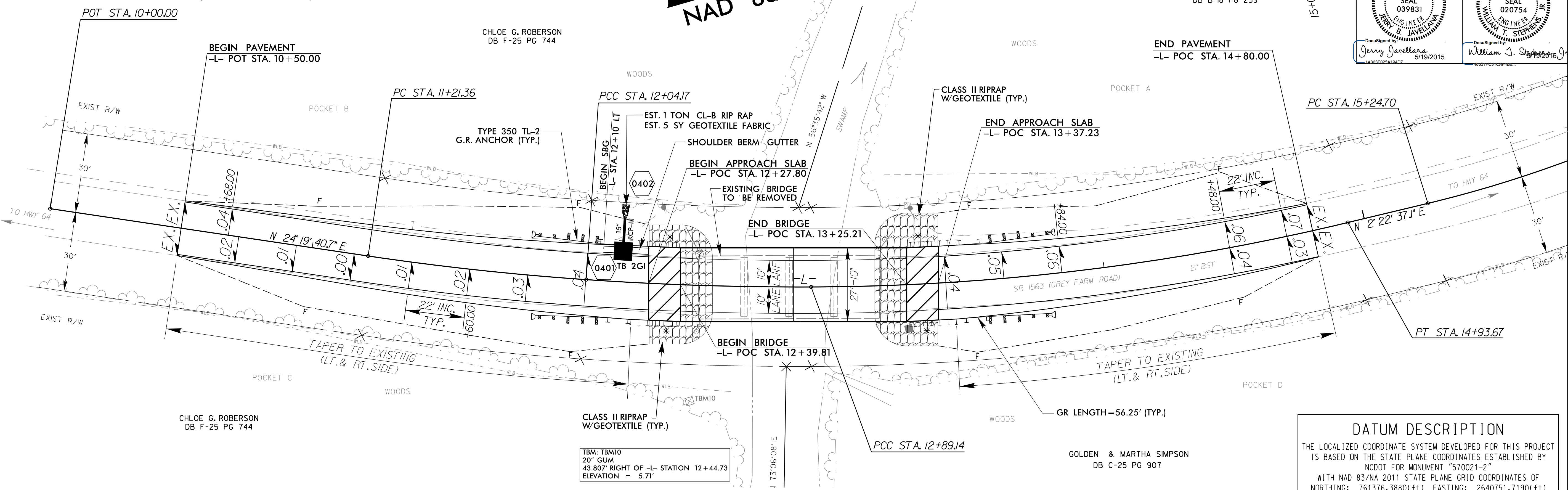
PI Sta 11+62.79 Δ = 4° 32' 10.9" (LT) D = 5° 28' 39.6" L = 82.82' T = 41.43' R = 1,045.99'	PI Sta 12+46.67 Δ = 4° 07' 12.4" (LT) D = 4° 50' 57.6" L = 84.96' T = 42.50' R = 1,181.52'	PI Sta 13+91.86 Δ = 13° 17' 40.3" (LT) D = 6° 30' 00.0" L = 204.53' T = 102.73' R = 881.47'	PI Sta 15+59.30 Δ = 8° 37' 59.6" (LT) D = 12° 30' 00.0" L = 69.07' T = 34.60' R = 458.37'
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NAD 83/NA 2011

Prepared by
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NC LIC. # C-2243

JERRY PARRISH, et al
DB B-18 PG 259

PROJECT REFERENCE NO. 17BPJR.70		SHEET NO. 4	
MARTIN COUNTY BRIDGE NO. 570021			
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER		
Jerry Javellana 5/19/2015	William J. Stephens 5/19/2015		



CHLOE G. ROBERSON
DB F-25 PG 744

TBM: TBM10
20" GUM
43.807' RIGHT OF -L- STATION 12+44.73
ELEVATION = 5.71'

* DENOTES TYPE III GUARDRAIL CONNECTION REQ'D.
SEE SHEET S-9
NOTE: GUARDRAIL LENGTHS AS SHOWN INCLUDE
ANCHOR UNITS.

FOR STRUCTURE
SEE PLAN SHEETS S-1 THRU S-17

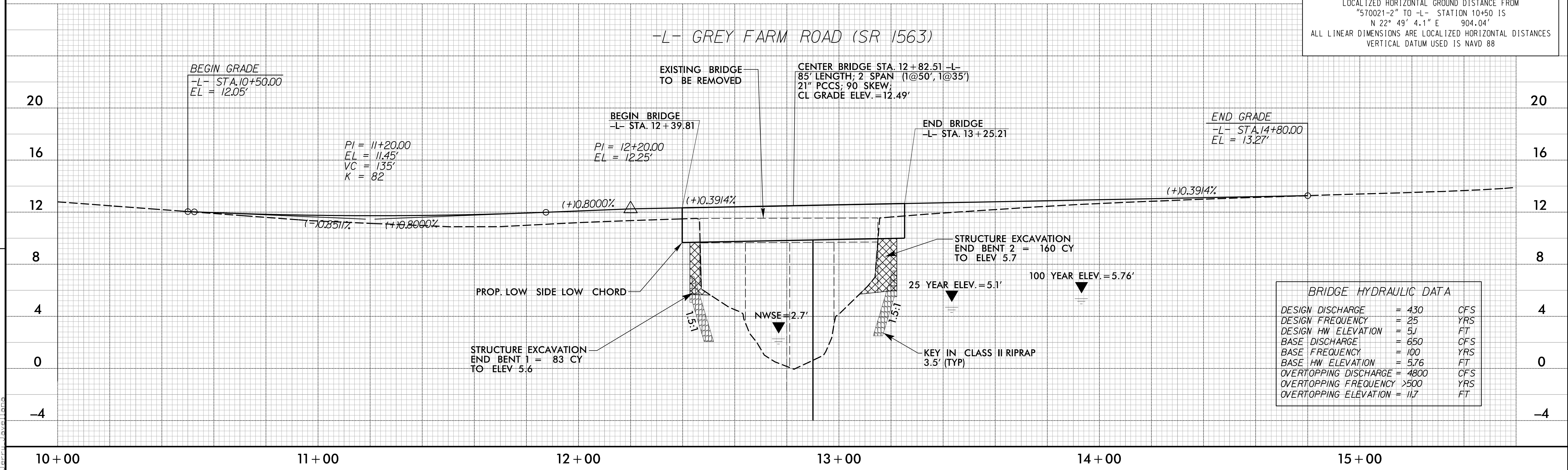
DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "570021-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 761376.3880(ft) EASTING: 2640751.7190(ft) ELEVATION: 41.57(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999925890

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "570021-2" TO -L- STATION 10+50 IS N 22° 49' 4.1" E 904.04'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88



BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	= 430	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 5J	FT
BASE DISCHARGE	= 650	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 5.76	FT
OVERTOPPING DISCHARGE	= 4800	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 11.7	FT

5/18/2015
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Javellana