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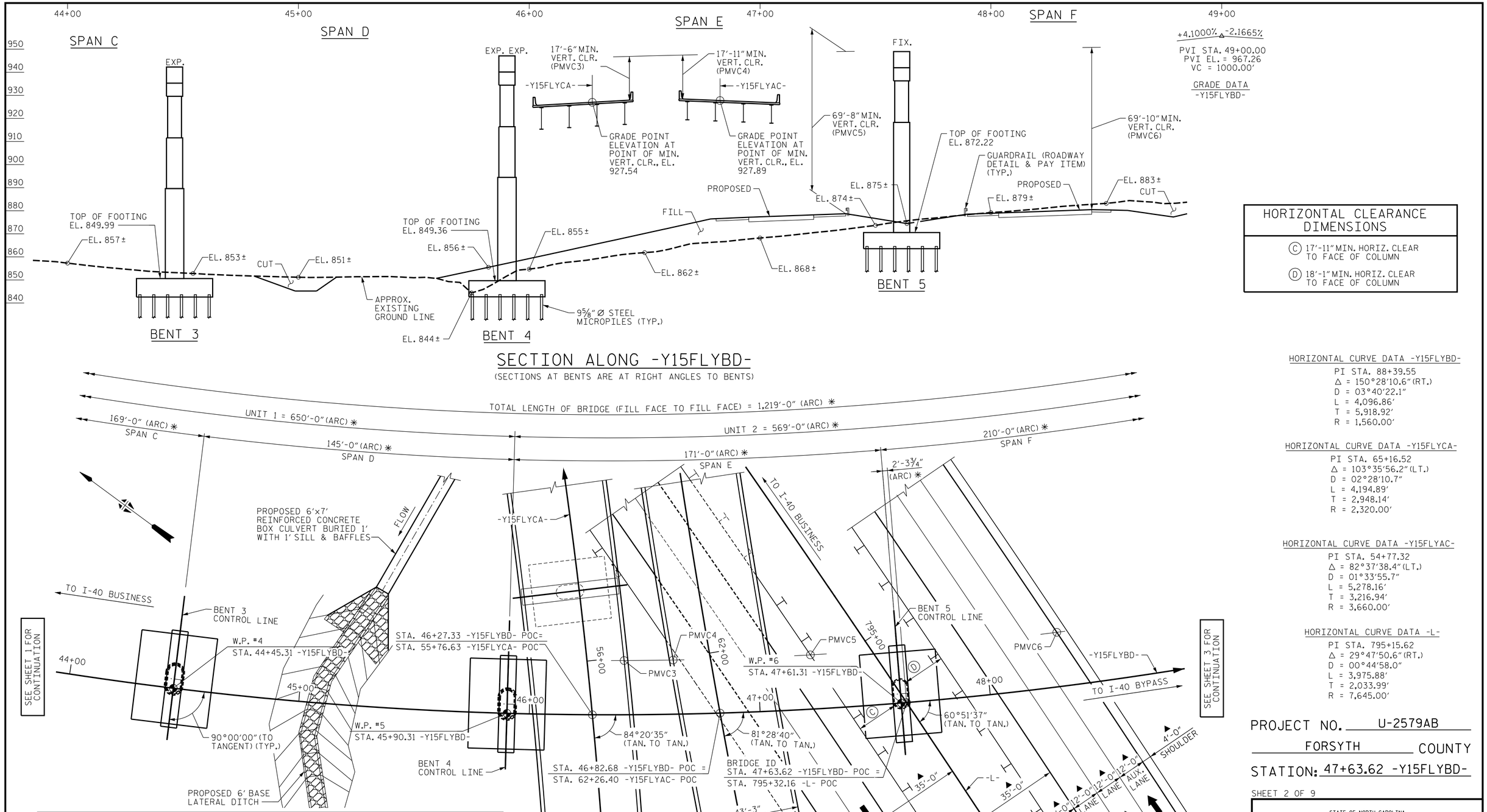
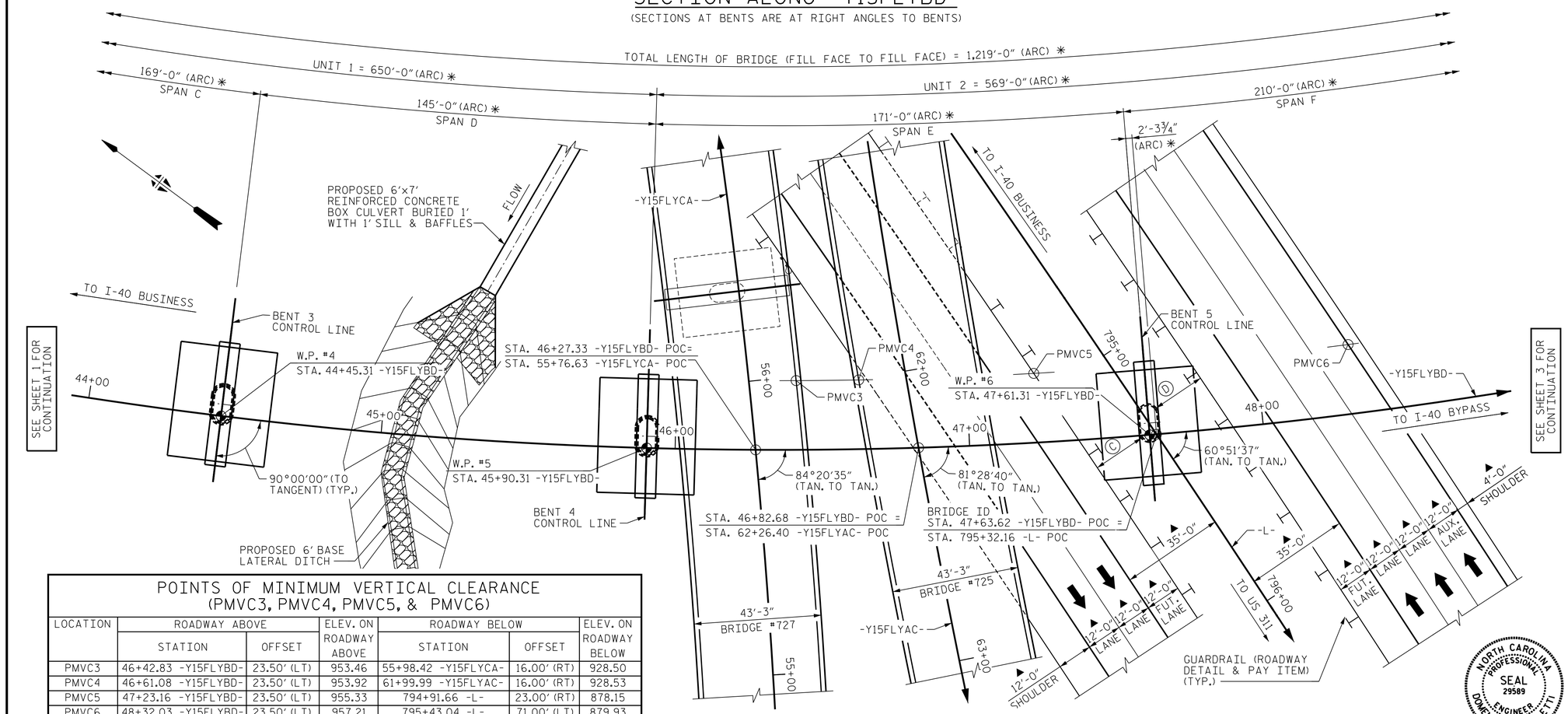


SECTION ALONG -Y15FLYBD-

(SECTIONS AT BENTS ARE AT RIGHT ANGLES TO BENTS)



PLAN

(PILES NOT SHOWN FOR CLARITY)

✱ = DIMENSION MEASURED ALONG -Y15FLYBD-

▲ = RADIAL DIMENSION

POINTS OF MINIMUM VERTICAL CLEARANCE (PMVC3, PMVC4, PMVC5, & PMVC6)

LOCATION	ROADWAY ABOVE		ELEV. ON ROADWAY ABOVE	ROADWAY BELOW		ELEV. ON ROADWAY BELOW
	STATION	OFFSET		STATION	OFFSET	
PMVC3	46+42.83 -Y15FLYBD-	23.50' (LT)	953.46	55+98.42 -Y15FLYCA-	16.00' (RT)	928.50
PMVC4	46+61.08 -Y15FLYBD-	23.50' (LT)	953.92	61+99.99 -Y15FLYAC-	16.00' (RT)	928.53
PMVC5	47+23.16 -Y15FLYBD-	23.50' (LT)	955.33	794+91.66 -L-	23.00' (RT)	878.15
PMVC6	48+32.03 -Y15FLYBD-	23.50' (LT)	957.21	795+43.04 -L-	71.00' (LT)	879.93

HORIZONTAL CLEARANCE DIMENSIONS

(C) 17'-11" MIN. HORIZ. CLEAR TO FACE OF COLUMN

(D) 18'-1" MIN. HORIZ. CLEAR TO FACE OF COLUMN

HORIZONTAL CURVE DATA -Y15FLYBD-

PI STA. 88+39.55
Δ = 150°28'10.6" (RT.)
D = 03°40'22.1"
L = 4,096.86'
T = 5,918.92'
R = 1,560.00'

HORIZONTAL CURVE DATA -Y15FLYCA-

PI STA. 65+16.52
Δ = 103°35'56.2" (LT.)
D = 02°28'10.7"
L = 4,194.89'
T = 2,948.14'
R = 2,320.00'

HORIZONTAL CURVE DATA -Y15FLYAC-

PI STA. 54+77.32
Δ = 82°37'38.4" (LT.)
D = 01°33'55.7"
L = 5,278.16'
T = 3,216.94'
R = 3,660.00'

HORIZONTAL CURVE DATA -L-

PI STA. 795+15.62
Δ = 29°47'50.6" (RT.)
D = 00°44'58.0"
L = 3,975.88'
T = 2,033.99'
R = 7,645.00'

PROJECT NO. U-2579AB

FORSYTH COUNTY

STATION: 47+63.62 -Y15FLYBD-

SHEET 2 OF 9

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

BRIDGE ON -Y15FLYBD- IN INTERCHANGE CONNECTING WINSTON-SALEM NORTHERN BELTWAY AND I-40 BYPASS BETWEEN SR 4315 AND SR 2679

NORTH CAROLINA PROFESSIONAL SEAL 29589 ENGINEER DOMENIC A. COLETTI

Domenic A. Coletti 10/11/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

REVISIONS								SHEET NO. S05-002
NO.	BY:	DATE:	NO.	BY:	DATE:			TOTAL SHEETS 116
1	--	--	3	--	--			
2	--	--	4	--	--			

DES BY: S. NIFONG DATE: 12/19
DES CHK: M. NEIHEISEL DATE: 12/19
DWG BY: B. PETERSON DATE: 06/19
CHK BY: S. NIFONG DATE: 12/19

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt USER: PPETERSO DATE: 10/1/2021 FILE: ...\GENERA
PENTABLE: NCDOT STRUCTURES DEFAULT PEN.tbl TIME: 8:18:10 AM