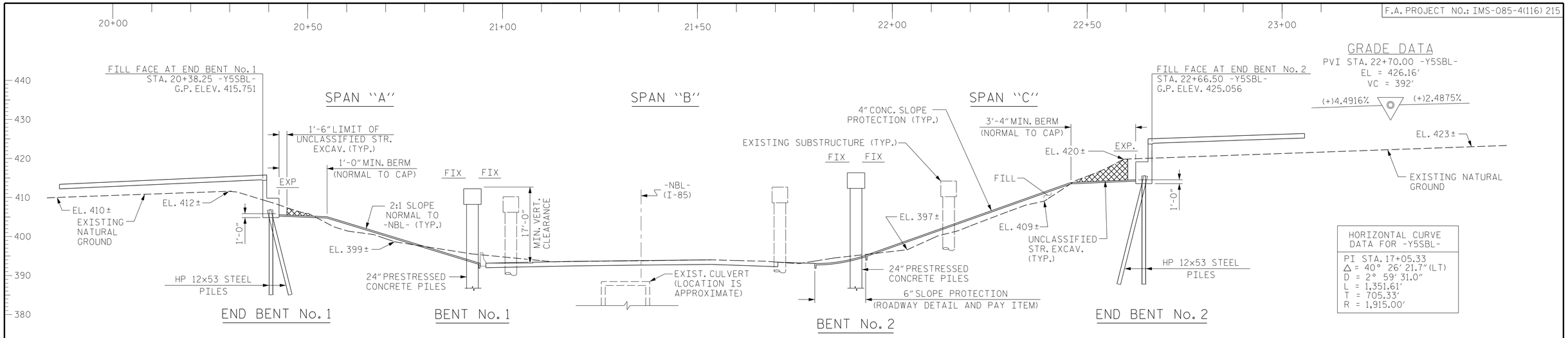
F.A. PROJECT NO.: IMS-085-4(116) 215



GRADE DATA
PVI STA. 22+70.00 -Y5SBL-
EL = 426.16'
VC = 392'
(+)4.4916% (+)2.4875%

HORIZONTAL CURVE DATA FOR -Y5SBL-
PI STA. 17+05.33
Δ = 40° 26' 21.7" (LT)
D = 2° 59' 31.0"
L = 1,351.61'
T = 705.33'
R = 1,915.00'

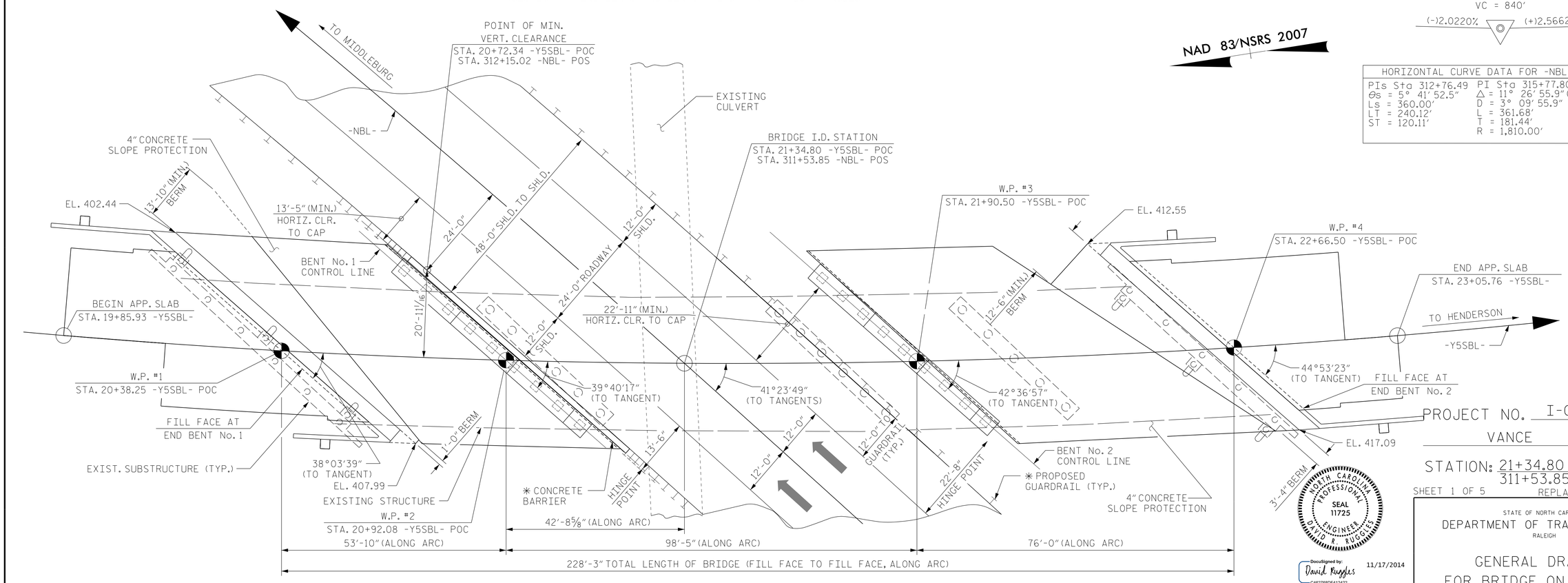
SECTION ALONG -Y5SBL-

(SECTION AT END BENTS AND BENTS ARE DRAWN AT RIGHT ANGLES)

GRADE DATA
PVI STA. 310+95.00 -NBL-
EL = 388.41'
VC = 840'
(-)2.0220% (+)2.5662%

NAD 83/NSRS 2007

HORIZONTAL CURVE DATA FOR -NBL-	
PIs Sta 312+76.49	PI Sta 315+77.80
Θs = 5° 41' 52.5"	Δ = 11° 26' 55.9" (LT)
Ls = 360.00'	D = 3° 09' 55.9"
LT = 240.12'	L = 361.68'
ST = 120.11'	T = 181.44'
	R = 1,810.00'



PLAN

(PILES NOT SHOWN FOR CLARITY)
(END BENTS AND BENTS ARE PARALLEL)
✱ ROADWAY DETAIL AND PAY ITEM

PROJECT NO. I-0914BA
VANCE COUNTY
STATION: 21+34.80 -Y5SBL- POC
311+53.85-NBL-POS

SHEET 1 OF 5 REPLACES BRIDGE NO. 49

NORTH CAROLINA PROFESSIONAL SEAL 11725 ENGINEER DAVID R. RUGGLES

DocuSigned by: David Ruggles C462768DF412422... 11/17/2014

DWG. 1 OF 40

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SBL US 1
OVER NBL I-85 BETWEEN
MIDDLEBURG AND HENDERSON

STEWART
Firm License No. C-1051
421 Fayetteville St,
Suite 400
Raleigh, NC 27601
T 919.380.8750
www.stewartinc.com

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-86
1			3					TOTAL SHEETS
2			4					177

DRAWN BY: P. JACOB	DATE: 07/14	
CHECKED BY: D. RUGGLES	DATE: 08/14	
DESIGN ENGINEER OF RECORD: D. RUGGLES	DATE: 08/14	

11/17/2014 I-914BA SITE 3
...\403_001_I0914BA_SMU_GD01.dgn
USER:jloftus