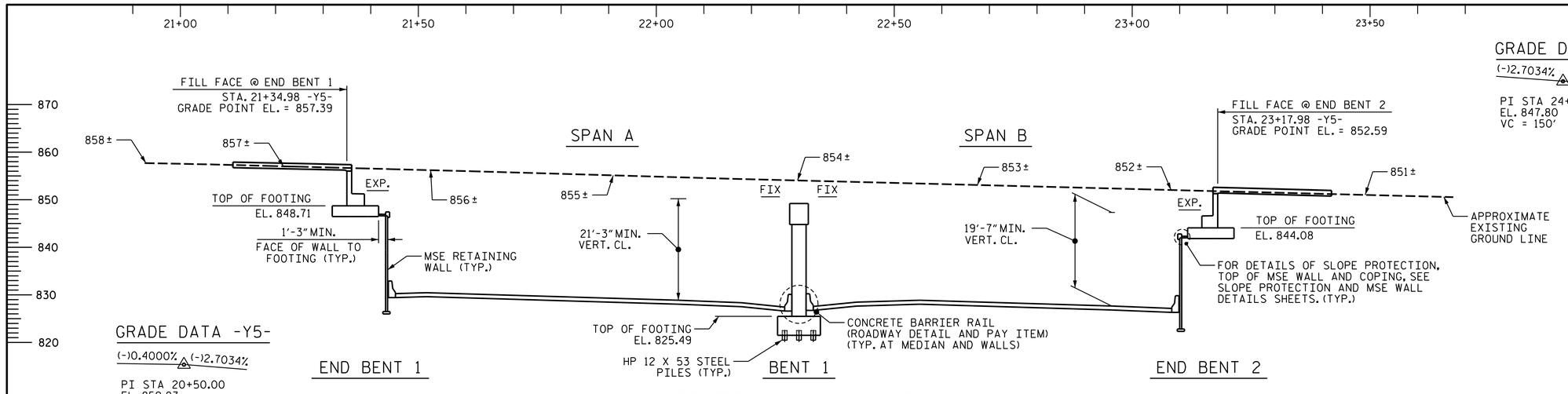
DocuSign Envelope ID: 9FFC909D-E23B-4585-BC24-10B4F394318C



GRADE DATA -Y5-

(-)0.4000% (-)2.7034%

PI STA 20+50.00
EL. 859.83
VC = 290'

GRADE DATA -Y5-

(-)2.7034% (-)1.1806%

PI STA 24+95.00
EL. 847.80
VC = 150'

SECTION ALONG -Y5-

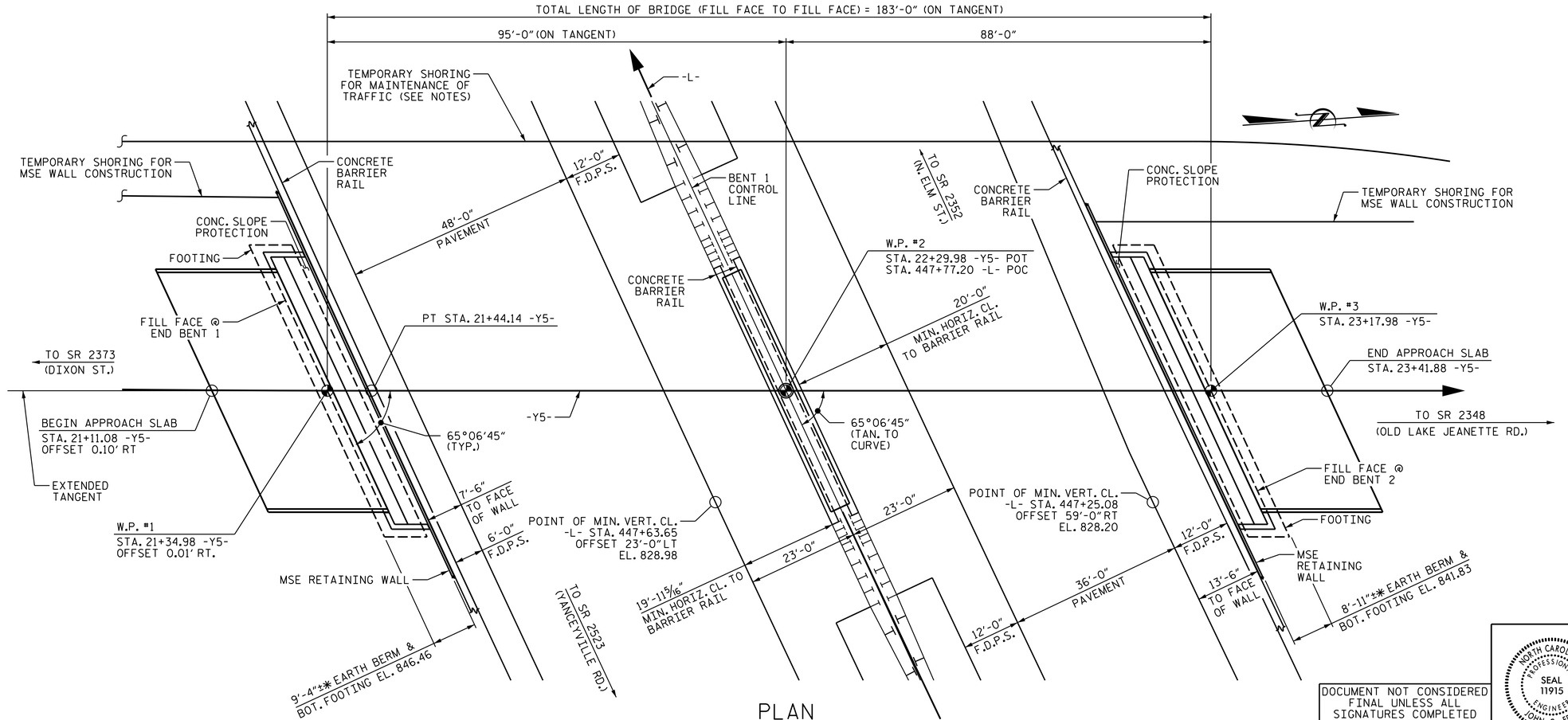
SECTION AT END BENTS AND BENT ARE TAKEN AT RIGHT ANGLES

CURVE DATA -Y5-

PI STA 19+96.46
Δ = 3°12' 21.5" (LT)
D = 1°05' 06.5"
L = 295.44'
T = 147.76'
R = 5,280.00'
SE = RC

CURVE DATA -L-

PI STA 469+05.74
Δ = 47°49' 31.4" (RT)
D = 0°45' 50.2"
L = 6,260.33'
T = 3,325.53'
R = 7,500.00'
SE = 0.03



PLAN

BENT FOUNDATION NOT SHOWN FOR CLARITY
*EARTH BERM WIDTH IS DEPENDENT ON FINAL RETAINING WALL DESIGN.

PROJECT NO. U-2525C
GUILFORD COUNTY
STATION: 22+29.98 -Y5- POT
447+77.20 -L- POC
SHEET 1 OF 3 BRIDGE NO. 1246

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

BRIDGE ON SR 1001
(NORTH CHURCH ST.) OVER
GEL I-85 BYPASS BETWEEN
SR 2373 AND SR 2348

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S7-1
1			3			TOTAL SHEETS
2			4			28

DRAWN BY: J. T. WILLIAMS DATE: 7-2017
CHECKED BY: J. E. MONDOLFI DATE: 10-2017
DESIGN ENGINEER OF RECORD: J. C. FRYE DATE: 12-2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:
MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
(919) 552-2253
www.mottmac.com
LICENSE NO. F-0669

NORTH CAROLINA PROFESSIONAL SEAL 11915 ENGINEER JOHN C. FRYE
DocuSigned by: John C. Frye
0C2EF404538E4E3...
12/22/2017

w:\157077 R:\Structures\Y5_North_Church_St\Plans\U-2525C_SMU_GDI_401246.dgn 12/21/2017 3:36:57 PM