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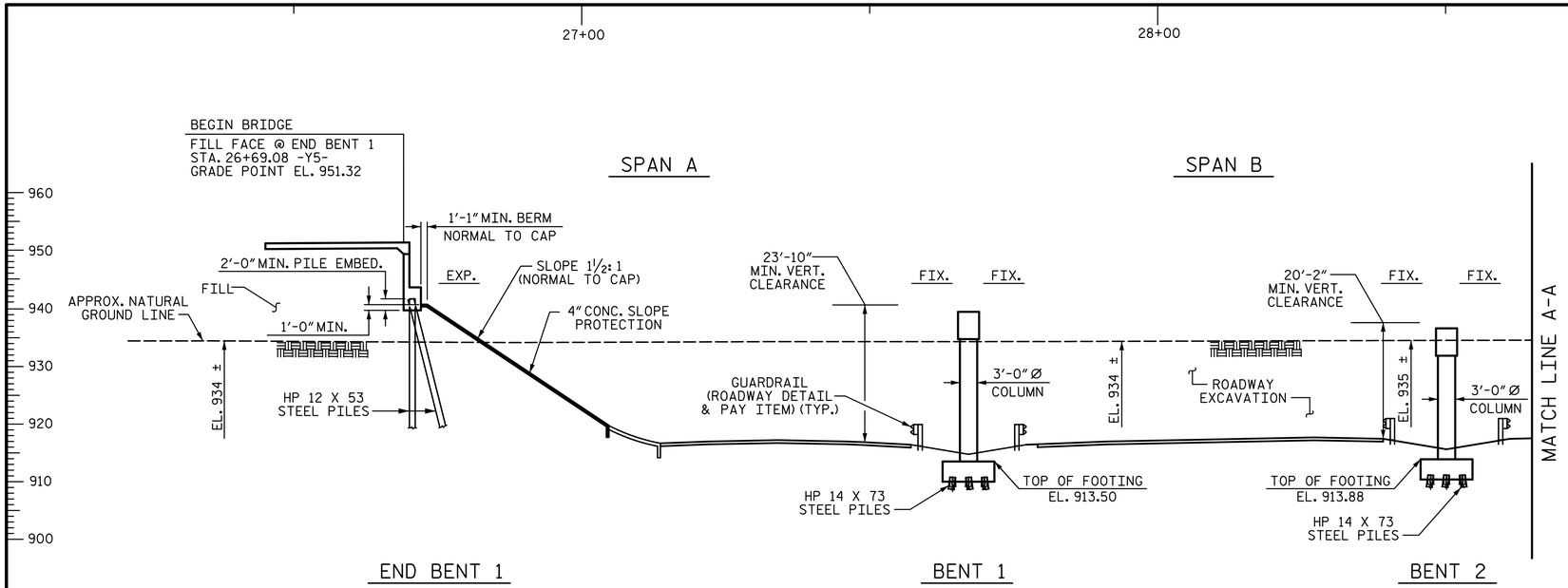
F.A. PROJECT NO. NHF-0918(93)



PART SECTION ALONG ℄ SURVEY -Y5-

(SECTIONS @ END BENT AND BENTS ARE @ RIGHT ANGLES)

HORIZONTAL CURVE DATA -Y5-

PI STA. 26+96.77
Δ = 05°-18'-04.7" (LT.)
D = 0°-28'-38.9"
L = 1110.30'
T = 555.55'
R = 12000.00'

HORIZONTAL CURVE DATA -Y4RPC-

PIs STA. 11+60.08	PI STA. 23+02.72	PIs STA. 30+59.60
Os = 05°-43'-46.5"	Δ = 83°-03'-22.8" (LT.)	Os = 05°-43'-46.5"
Ls = 240.00'	D = 4°-46'-28.7"	Ls = 240.00'
LT = 160.08'	L = 1739.53'	LT = 160.08'
ST = 80.08'	T = 1062.72'	ST = 80.08'
	R = 1200.00'	

GRADE DATA -Y5-

(+)3.0101% △ (-)3.4477%

PVI STA. 23+78.00
EL. = 961.36
VC = 568'

GRADE DATA -Y4CD-

(+)2.5694% △ (-)3.9666%

PVI STA. 52+93.00
EL. = 936.95
VC = 1620'

GRADE DATA -L-

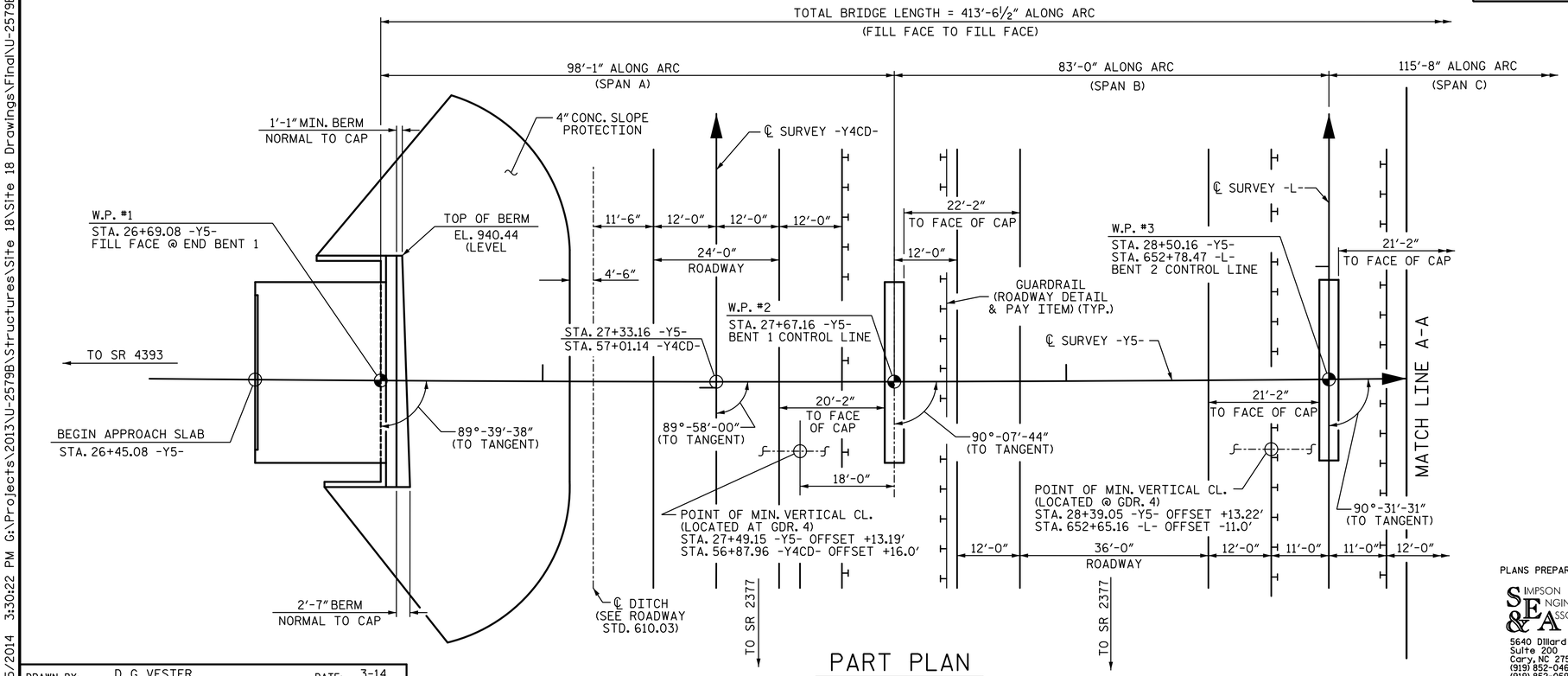
(+)2.5694% △ (-)3.9666%

PVI STA. 648+93.00
EL. = 936.95
VC = 1620'

GRADE DATA -Y4RPC-

(+)3.9381% △ (-)1.7869%

PVI STA. 15+50.00
EL. = 917.76
VC = 870'



PART PLAN

(PILES AND FOOTINGS NOT SHOWN IN PLAN VIEW)
(END BENT AND BENTS ARE PARALLEL)

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 28+50.16 -Y5-

SHEET 1 OF 6 BRIDGE NO. 683

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 2657
(HASTINGS HILL RD.)
BETWEEN SR 4393 & SR 2632
OVER -Y4CD-, -L-, & -Y4RPC-
(WINSTON-SALEM
NORTHERN BELTWAY)

PLANS PREPARED BY:
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(919) 852-0468
(919) 852-0598 (Fax)
www.simpsonengr.com
LICENSURE NO. C-2521

NORTH CAROLINA PROFESSIONAL SEAL 023908 ENGINEER MARK A. AVERETTE
Digitally signed by Mark A. Averette
8/15/2014

REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		S-658
1			3				TOTAL SHEETS
2			4				S-707

DRAWN BY: D. G. VESTER DATE: 3-14
CHECKED BY: M. AVERETTE DATE: 3-14
DESIGN ENGINEER OF RECORD: M. AVERETTE DATE: 3-14

8/15/2014 3:30:22 PM G:\Projects\2013\U-2579B\Structures\Site 18\Site 18 Drawings\Final\U-2579B_ sd_18_gd.dgn