

HORIZONTAL CURVE DATA

PI STA. 23+73.35 -Y7-
$\Delta = 7^{\circ}-19'-01.8''$ (LT.)
$D = 6^{\circ}-01'-52.1''$
$L = 121.32'$
$T = 60.74'$
$R = 950.00'$

PI STA. 524+77.54 -L-
$\Delta = 13^{\circ}-56'-01.8''$ (LT.)
$D = 1^{\circ}-46'-45.7''$
$L = 783.08'$
$T = 393.48'$
$R = 3220.00'$

GRADE DATA -Y7-

$(+1.4894\%$	$(-1.9743\%$
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PVI STA. 25+55.00
EL. = 856.54
VC = 575'

GRADE DATA -L-

$(+0.6867\%$	$(-1.3003\%$
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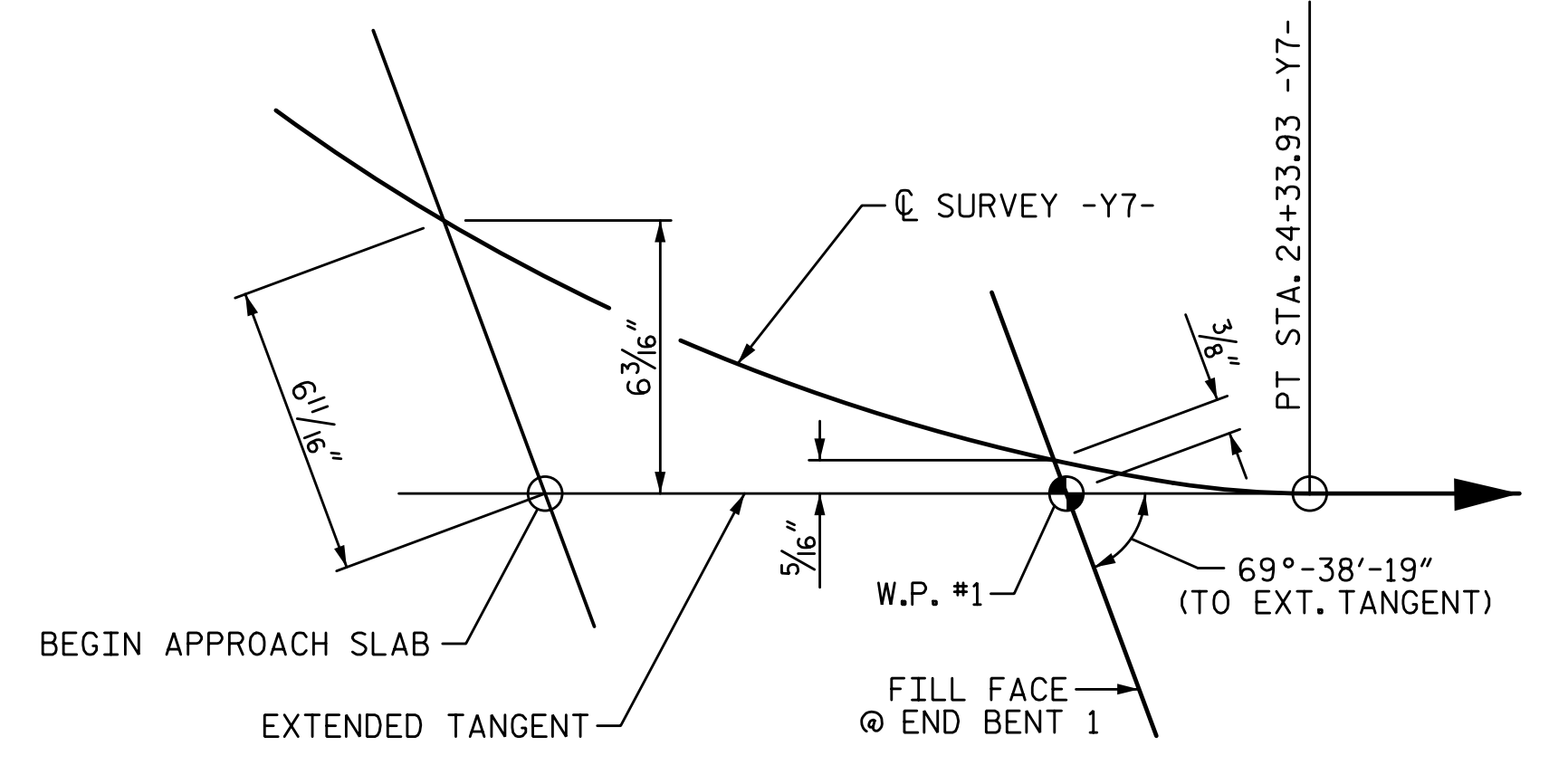
PVI STA. 528+34.33
EL. = 830.53
VC = 600'

PMVC 1 **PMVC 2**

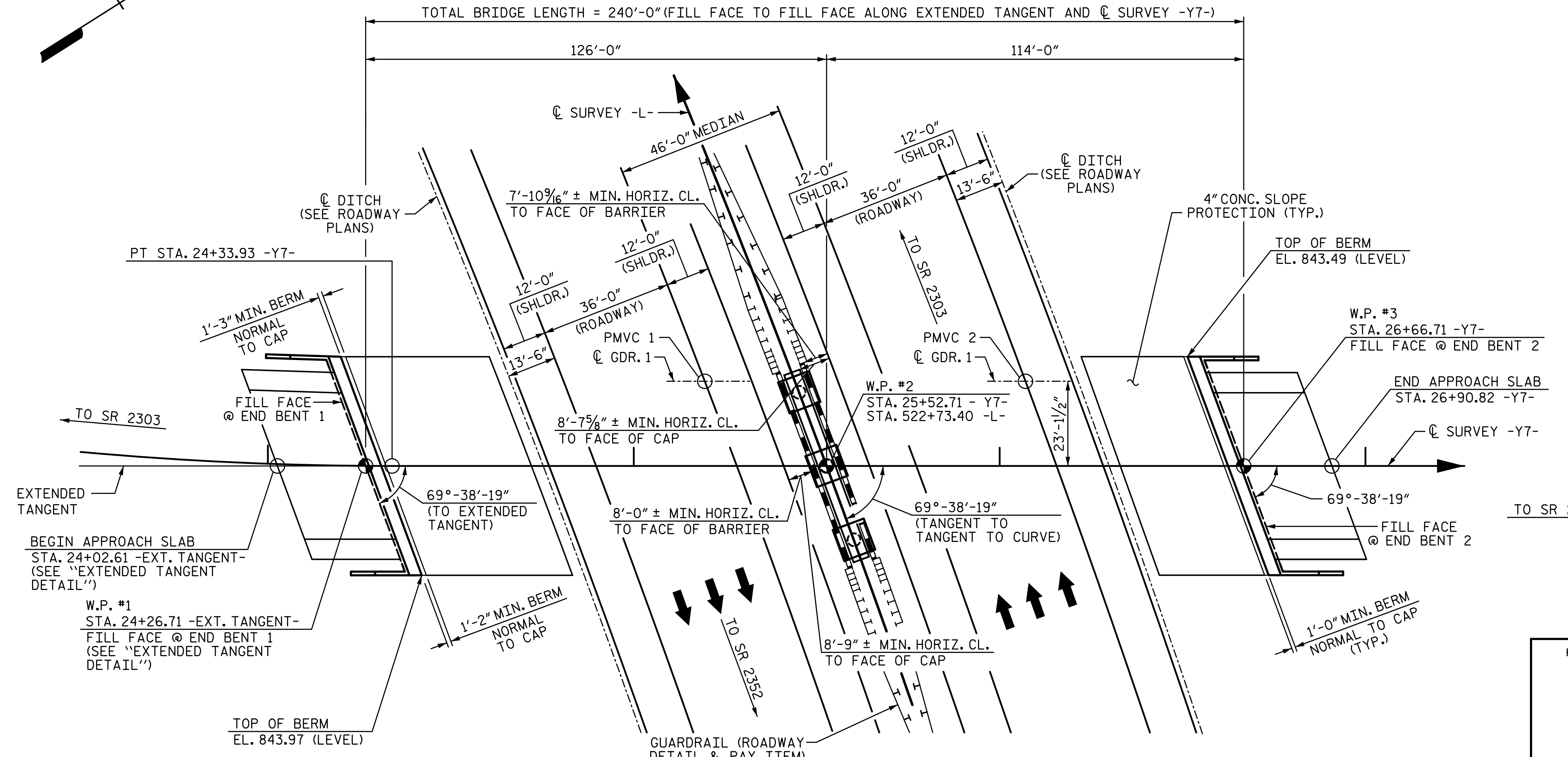
STA. 523+06.90 -L-	STA. 522+76.12 -L-
OFFSET 23.00' LT.	OFFSET 59.00' RT.
EL. 826.91	EL. 828.86

PMVC = POINT OF MINIMUM VERTICAL CLEARANCE

SECTION ALONG Q SURVEY -Y7-
(SECTIONS @ END BENTS AND BENT @ RIGHT ANGLES)



EXTENDED TANGENT DETAIL



PLAN

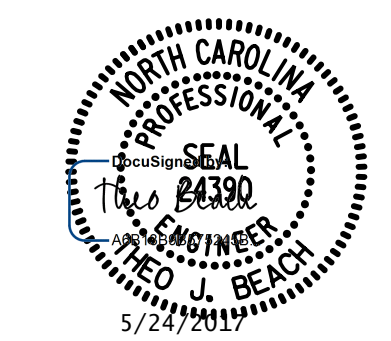
(PILES NOT SHOWN IN PLAN VIEW)
NOTE: BEGIN APPROACH SLAB & W.P. #1 ON EXTENDED TANGENT (BOTH END BENTS AND BENT ARE PARALLEL)

PROJECT NO. U-2525C
GUILFORD COUNTY
 STATION: 25+52.71 -Y7-
522+73.40 -L-
 SHEET 1 OF 4 BRIDGE NO. 401249

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON LAKE
 JEANETTE RD. OVER
 I-85 BY-PASS BETWEEN
 SR 2303 AND SR 2348

PLANS PREPARED BY:
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 LICENSURE NO. C-2521



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S10-1
1			3			TOTAL SHEETS
2			4			36

DRAWN BY: S.D. COOPER DATE: 3-17
 CHECKED BY: T.J. BEACH DATE: 3-17
 DESIGN ENGINEER OF RECORD: T.J. BEACH DATE: 3-17

5/24/2017 1:05:20 PM G:\Projects\2016\U-2525C (Greensboro Eastern Loop)\Structures\Site 9\Drawings\Final\U2525C_SMU_GD_SITE9.dgn