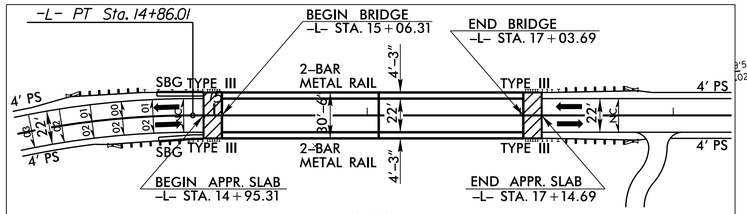
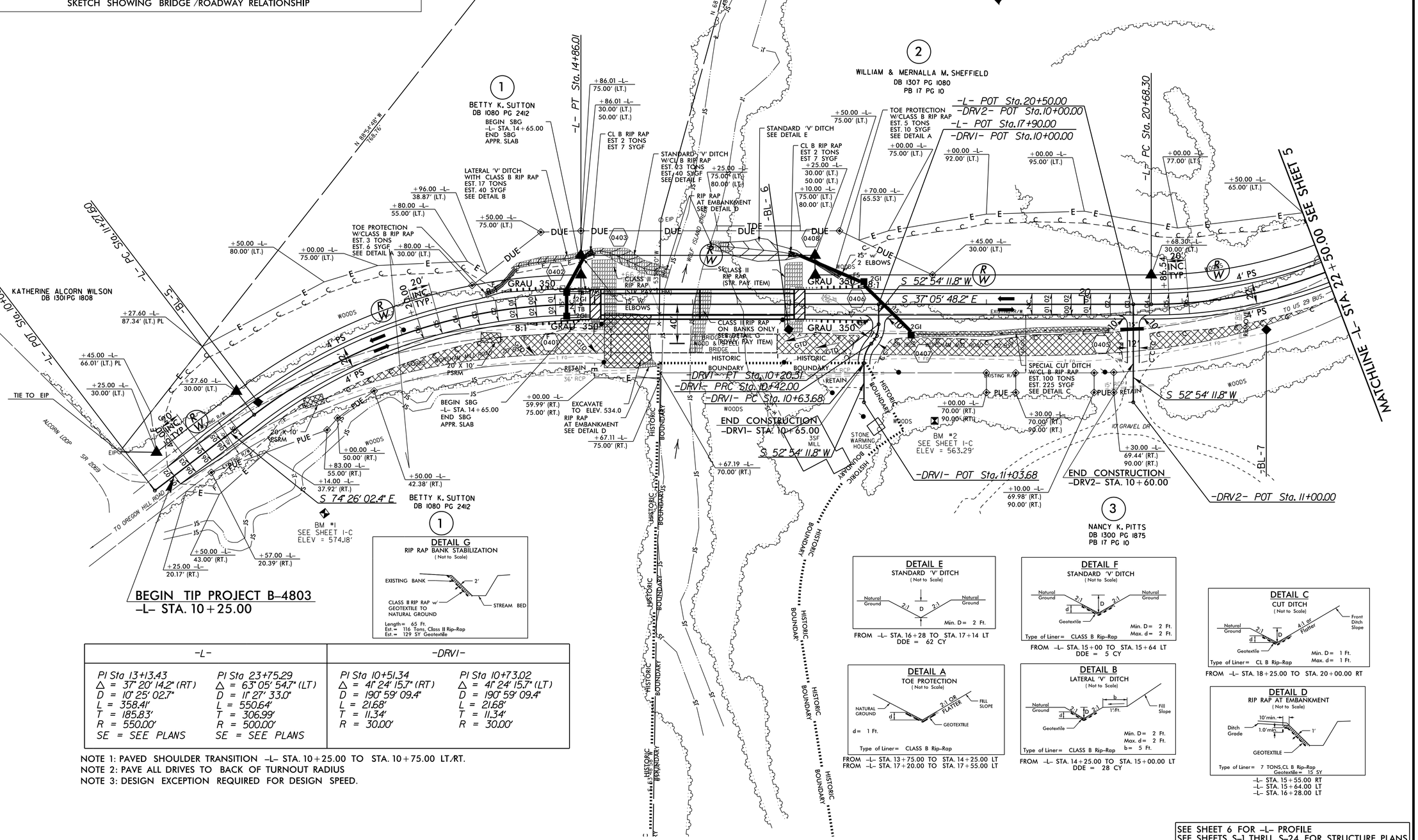
PROJECT REFERENCE NO.	SHEET NO.
B-4803	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033871 ENGINEER DANIEL W. GARDNER 11/ 2014 Daniel W. Gardner, Jr.	NORTH CAROLINA PROFESSIONAL SEAL 032312 ENGINEER CHARLES HARPER 11/ 2014 Charles Harper



(NTS)
PS – "PAVED SHOULDER"
SBG – "SHOULDER BERM GUTTER"
SKETCH SHOWING BRIDGE /ROADWAY RELATIONSHIP



DETAIL G
RIP RAP BANK STABILIZATION
(Not to Scale)

Length = 65 Ft.
Est. = 116 Tons, Class II Rip-Rap
Est. = 129 SY Geotextile

-L-		-DRV1-	
PI Sta 13+13.43	PI Sta 23+75.29	PI Sta 10+51.34	PI Sta 10+73.02
Δ = 37° 20' 14.2" (RT)	Δ = 63° 05' 54.7" (LT)	Δ = 41° 24' 15.7" (RT)	Δ = 41° 24' 15.7" (LT)
D = 10° 25' 02.7"	D = 11° 27' 33.0"	D = 190° 59' 09.4"	D = 190° 59' 09.4"
L = 358.41'	L = 550.64'	L = 21.68'	L = 21.68'
T = 185.83'	T = 306.99'	T = 11.34'	T = 11.34'
R = 550.00'	R = 500.00'	R = 30.00'	R = 30.00'
SE = SEE PLANS	SE = SEE PLANS		

NOTE 1: PAVED SHOULDER TRANSITION -L- STA. 10+25.00 TO STA. 10+75.00 LT./RT.
NOTE 2: PAVE ALL DRIVES TO BACK OF TURNOUT RADIUS
NOTE 3: DESIGN EXCEPTION REQUIRED FOR DESIGN SPEED.

DETAIL E
STANDARD 'V' DITCH
(Not to Scale)

FROM -L- STA. 16+28 TO STA. 17+14 LT
DDE = 62 CY

DETAIL F
STANDARD 'V' DITCH
(Not to Scale)

FROM -L- STA. 15+00 TO STA. 15+64 LT
DDE = 5 CY

DETAIL C
CUT DITCH
(Not to Scale)

FROM -L- STA. 18+25.00 TO STA. 20+00.00 RT

DETAIL A
TOE PROTECTION
(Not to Scale)

FROM -L- STA. 13+75.00 TO STA. 14+25.00 LT
FROM -L- STA. 17+20.00 TO STA. 17+55.00 LT

DETAIL B
LATERAL 'V' DITCH
(Not to Scale)

FROM -L- STA. 14+25.00 TO STA. 15+00.00 LT
DDE = 28 CY

DETAIL D
RIP RAP AT EMBANKMENT
(Not to Scale)

-L- STA. 15+55.00 RT
-L- STA. 15+64.00 LT
-L- STA. 16+28.00 LT

SEE SHEET 6 FOR -L- PROFILE
SEE SHEETS S-1 THRU S-24 FOR STRUCTURE PLANS

REVISIONS

8/17/99

24-OCT-2014 09:18
r:\roadway\proj\b4803_rdy_psh4.dgn
$$$$USERNAME$$$$