DocuSign Envelope ID: F214CB2F-50C6-422B-B9FE-DB1D0C2DAAEA

8/17/99

BRIDGE NO. 870063

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.183	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

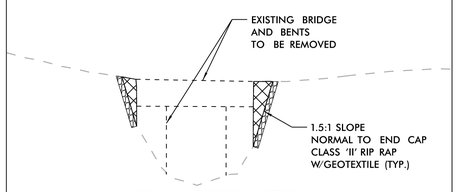
ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 030952 ENGINEER JENNIFER D. FARANO — DocuSign Envelope ID: 9A0A0A2E-7A7D-4A0A-A0A0-A0A0A0A0A0A0 — 10/18/2023

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 042642 ENGINEER ALEXANDER B. VINSON — DocuSign Envelope ID: 9A0A0A2E-7A7D-4A0A-A0A0-A0A0A0A0A0A0 — 10/18/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

RIPRAP AT EMBANKMENT



-L- CURVE DATA

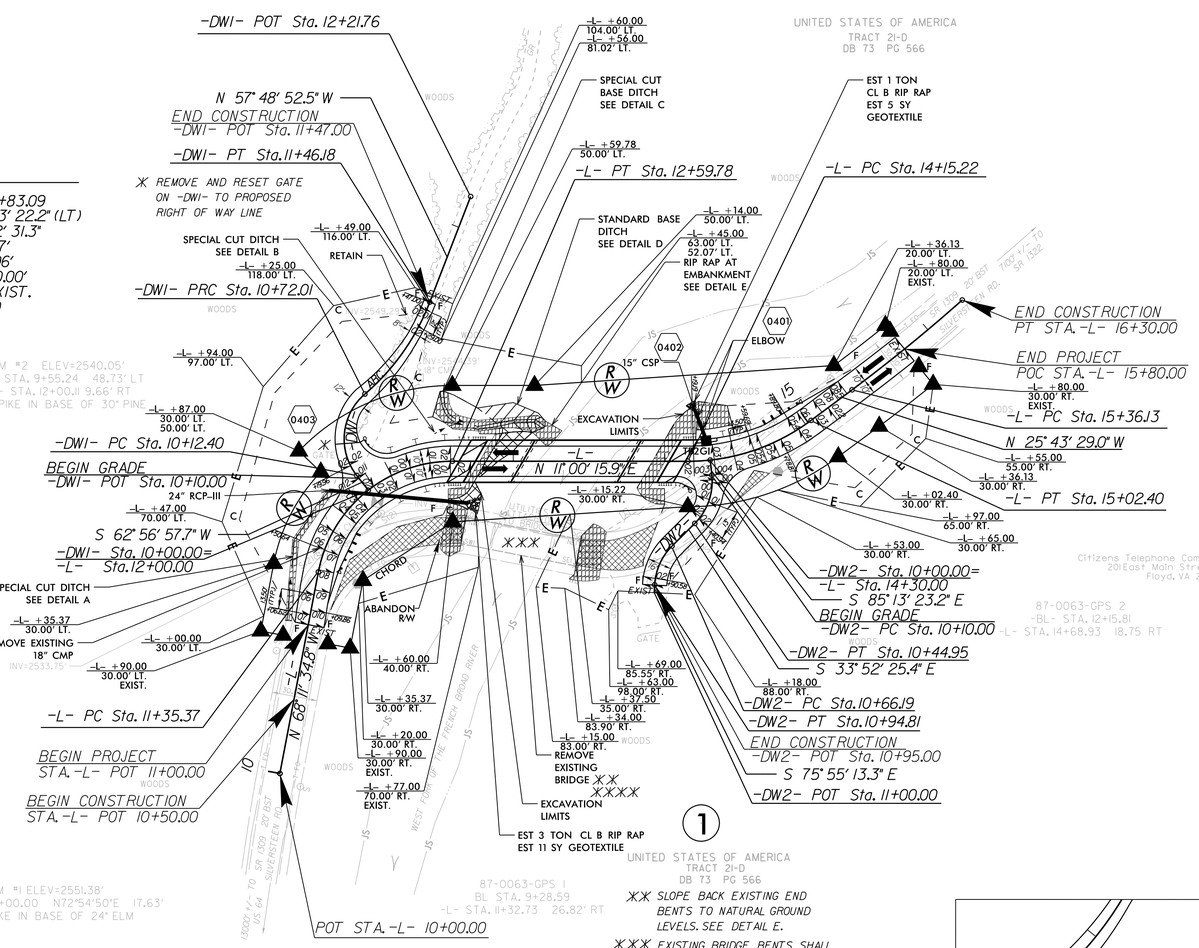
PI Sta 12+09.82	PI Sta 14+60.37	PI Sta 15+83.09
Δ = 79° 11' 50.7" (RT)	Δ = 36° 43' 44.8" (LT)	Δ = 4° 53' 22.2" (LT)
D = 63° 39' 43.1"	D = 42° 07' 45.3"	D = 5° 12' 31.3"
L = 124.40'	L = 87.18'	L = 93.87'
T = 74.45'	T = 45.15'	T = 46.96'
R = 90.00'	R = 136.00'	R = 1,100.00'
SE = 06	SE = 054	SE = EXIST.
DS = 20	DS = 20	DS = 20

-DW1- CURVE DATA

PI Sta 10+49.78	PI Sta 11+09.87
Δ = 87° 34' 02.6" (RT)	Δ = 28° 19' 52.8" (LT)
D = 146° 54' 44.1"	D = 38° 11' 49.9"
L = 59.61'	L = 74.17'
T = 37.38'	T = 37.86'
R = 39.00'	R = 150.00'
SE = N/A	SE = N/A
DS = 5	DS = 5

-DW2- CURVE DATA

PI Sta 10+28.75	PI Sta 10+81.18
Δ = 51° 20' 57.7" (RT)	Δ = 42° 02' 47.9" (LT)
D = 146° 54' 44.1"	D = 146° 54' 44.1"
L = 34.95'	L = 28.62'
T = 18.75'	T = 14.99'
R = 39.00'	R = 39.00'
SE = N/A	SE = N/A
DS = 5	DS = 5

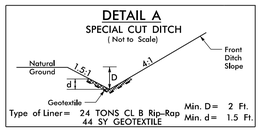


✱✱ SLOPE BACK EXISTING END BENTS TO NATURAL GROUND LEVELS. SEE DETAIL E.

✱✱✱ EXISTING BRIDGE BENTS SHALL BE REMOVED FROM BANK OF RIVER AND EXISTING FOOTERS MAY REMAIN IF APPROVED BY DIVISION 14 CONSTRUCTION OFFICE IN CONSULTATION WITH THE DIVISION 14 ENVIRONMENTAL OFFICE PER GREEN SHEET COMMITMENTS.

✱✱✱✱ RETAIN EXISTING BRIDGE BEAMS. NCDOT CONTACT: MARK HILL, PE DIV 14 BRIDGE OFFICE MEHILL@NCDOT.GOV 828-488-0902

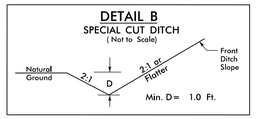
DETAIL A
SPECIAL CUT DITCH
(Not to Scale)



Min. D= 2 Ft.
Min. d= 1.5 Ft.
Type of Liner= 24 TONS CL B Rip-Rap 44 SY GEOTEXTILE

FROM -L- STA. 11+00 TO STA. 11+83 LT

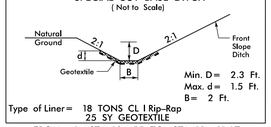
DETAIL B
SPECIAL CUT DITCH
(Not to Scale)



Min. D= 1.0 Ft.

FROM -L- STA. 12+50 TO STA. 12+64 LT

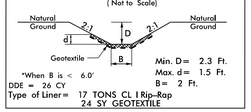
DETAIL C
SPECIAL CUT BASE DITCH
(Not to Scale)



Min. D= 2.3 Ft.
Max. d= 1.5 Ft.
B= 2 Ft.
Type of Liner= 18 TONS CL I Rip-Rap 25 SY GEOTEXTILE

FROM -L- STA. 12+55 TO STA. 12+91 LT

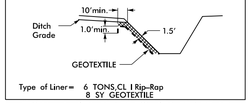
DETAIL D
STANDARD BASE DITCH
(Not to Scale)



Min. D= 2.3 Ft.
Max. d= 1.5 Ft.
B= 2 Ft.
*When B is < 6.0'
DDE = 26 CY
Type of Liner= 17 TONS CL I Rip-Rap 24 SY GEOTEXTILE

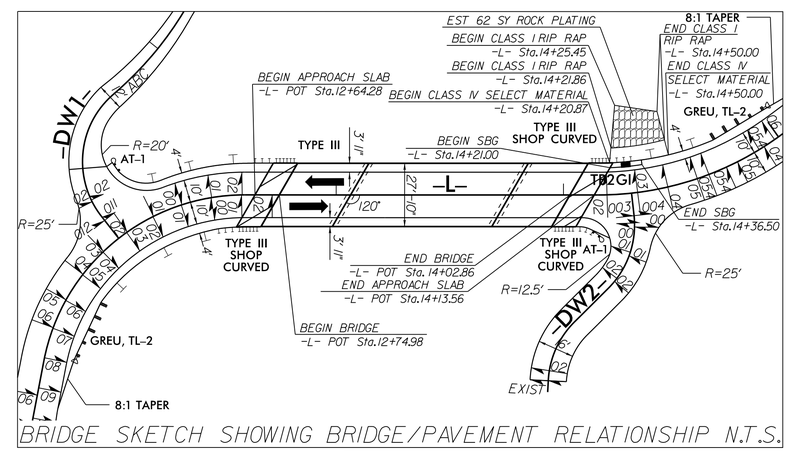
FROM -L- STA. 12+91 TO STA. 13+21 LT

DETAIL E
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner= 6 TONS CL I Rip-Rap 8 SY GEOTEXTILE

FROM -L- STA. 13+21 TO STA. 13+30 LT



BRIDGE SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP N.T.S.

BRIDGE EXCAVATION

PAVEMENT REMOVAL

BRIDGE APPROACH SLAB

FOR -L-, -DW1-, -DW2- PROFILES, SEE SHEET 5

FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-22

18-OCT-2023 13:33
R:\Roadway\Proj\B70063_Rdy_psh.dgn
$$$$USERNAME$$$$