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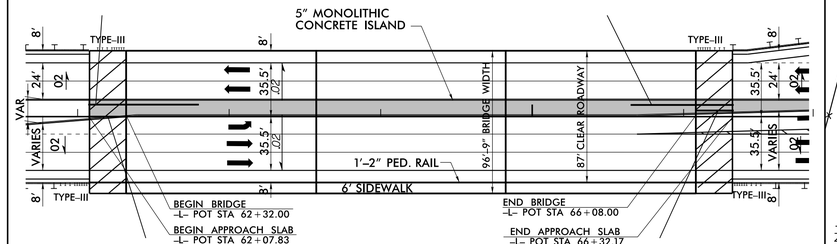
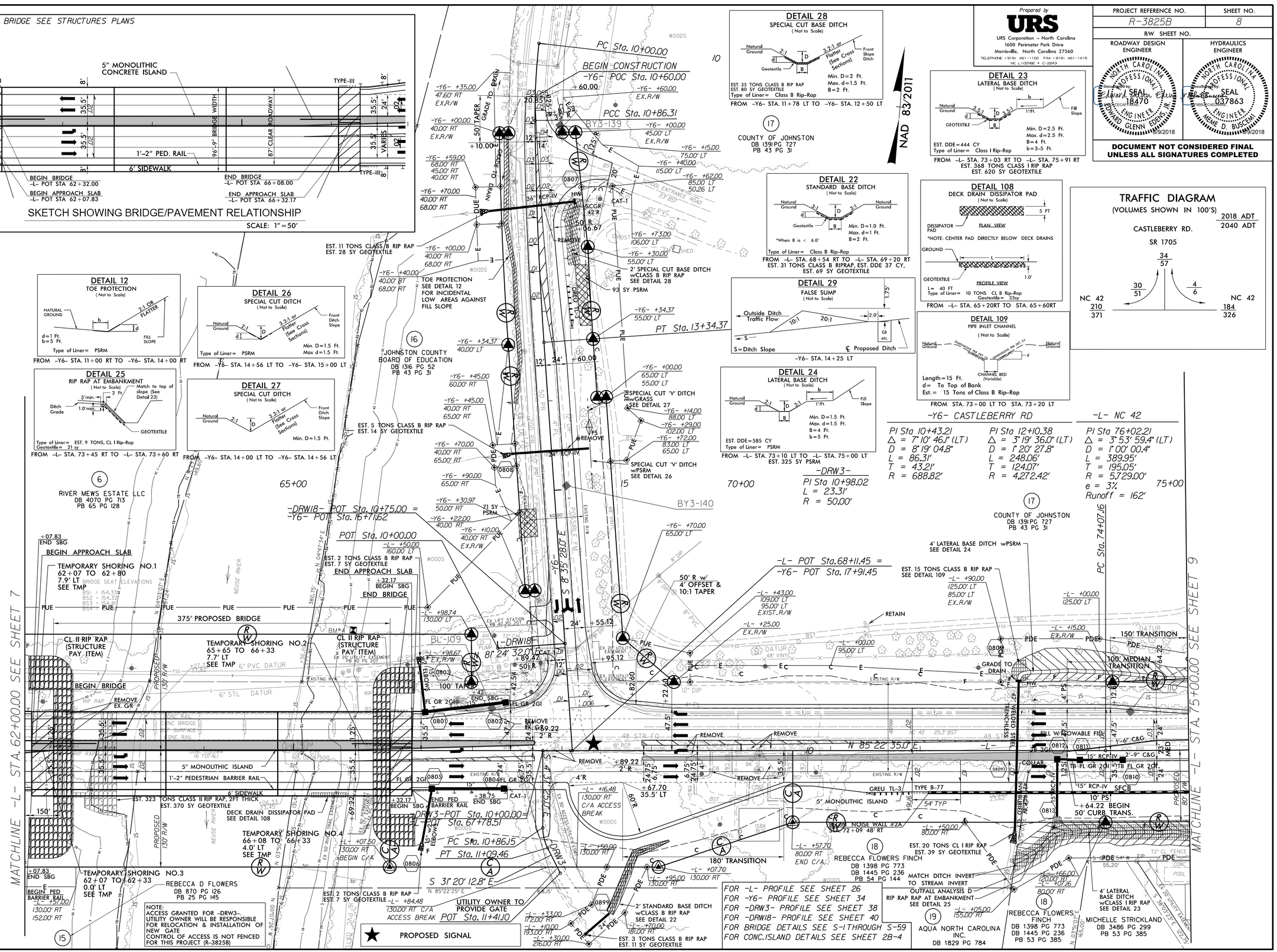
8/17/99

FOR DETAILS ON BRIDGE SEE STRUCTURES PLANS



SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP

SCALE: 1" = 50'



NOTE:
ACCESS GRANTED FOR -DRW3-.
UTILITY OWNER WILL BE RESPONSIBLE FOR RELOCATION & INSTALLATION OF NEW GATE
CONTROL OF ACCESS IS NOT FENCED FOR THIS PROJECT (R-3825B)

FOR -L- PROFILE SEE SHEET 26
FOR -Y6- PROFILE SEE SHEET 34
FOR -DRW3- PROFILE SEE SHEET 38
FOR -DRW18- PROFILE SEE SHEET 40
FOR BRIDGE DETAILS SEE S-1 THROUGH S-59
FOR CONC. ISLAND DETAILS SEE SHEET 2B-4

DETAIL 12
TOE PROTECTION
(Not to Scale)

d = 1 Ft.
b = 5 Ft.
Type of Liner = PSRM
FROM -Y6- STA. 11+00 RT TO -Y6- STA. 14+00 RT

DETAIL 25
RIP RAP AT EMBANKMENT
(Not to Scale)

Type of Liner = EST. 9 TONS, CL I Rip-Rap
Geotextile = 21 sy
FROM -L- STA. 73+45 RT TO -L- STA. 73+60 RT

DETAIL 26
SPECIAL CUT DITCH
(Not to Scale)

Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
Type of Liner = PSRM
FROM -Y6- STA. 14+56 LT TO -Y6- STA. 15+00 LT

DETAIL 27
SPECIAL CUT DITCH
(Not to Scale)

Min. D = 1.5 Ft.
FROM -Y6- STA. 14+00 LT TO -Y6- STA. 14+56 LT

DETAIL 28
SPECIAL CUT BASE DITCH
(Not to Scale)

Min. D = 2 Ft.
Max. d = 1.5 Ft.
B = 2 Ft.
EST. 35 TONS CLASS B RIP RAP
EST. 80 SY GEOTEXTILE
Type of Liner = Class B Rip-Rap
FROM -Y6- STA. 11+78 LT TO -Y6- STA. 12+50 LT

DETAIL 22
STANDARD BASE DITCH
(Not to Scale)

Min. D = 1.0 Ft.
Max. d = 1 Ft.
B = 2 Ft.
*When B is < 6.0'
Type of Liner = Class B Rip-Rap
FROM -L- STA. 68+54 RT TO -L- STA. 69+20 RT
EST. 31 TONS CLASS B RIPRAP, EST. DDE 37 CY,
EST. 69 SY GEOTEXTILE

DETAIL 29
FALSE SUMP
(Not to Scale)

-Y6- STA. 14+25 LT

DETAIL 24
LATERAL BASE DITCH
(Not to Scale)

Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
B = 4 Ft.
b = 5 Ft.
EST. DDE = 585 CY
Type of Liner = PSRM
FROM -L- STA. 73+10 LT TO -L- STA. 75+00 LT
EST. 325 SY PSRM

DETAIL 23
LATERAL BASE DITCH
(Not to Scale)

Min. D = 2.5 Ft.
Max. d = 2.5 Ft.
B = 4 Ft.
b = 3-5 Ft.
EST. DDE = 444 CY
Type of Liner = Class I Rip-Rap
FROM -L- STA. 73+03 RT TO -L- STA. 75+91 RT
EST. 368 TONS CLASS I RIP RAP
EST. 620 SY GEOTEXTILE

DETAIL 108
DECK DRAIN DISSIPATOR PAD
(Not to Scale)

L = 40 FT
Type of Liner = 10 TONS CL B Rip-Rap
Geotextile = 33sy
FROM -L- STA. 65+20RT TO STA. 65+60RT

DETAIL 109
PIPE INLET CHANNEL
(Not to Scale)

Length = 15 Ft.
d = To Top of Bank
Est. = 15 Tons of Class B Rip-Rap
FROM STA. 73+00 LT TO STA. 73+20 LT

TRAFFIC DIAGRAM
(VOLUMES SHOWN IN 100'S)

-Y6- CASTLEBERRY RD

PI Sta 10+43.21
Δ = 7° 10' 46.1" (LT)
D = 8° 19' 04.8"
L = 86.31'
T = 43.21'
R = 688.82'

PI Sta 12+10.38
Δ = 3° 19' 36.0" (LT)
D = 1° 20' 27.8"
L = 248.06'
T = 124.07'
R = 4,272.42'

-L- NC 42

PI Sta 76+02.21
Δ = 3° 53' 59.4" (LT)
D = 1° 00' 00.4"
L = 389.95'
T = 195.05'
R = 5,729.00'
e = 3%
Runoff = 162'

-DRW3-

PI Sta 10+98.02
L = 23.31'
R = 50.00'

Prepared by
URS
URS Corporation – North Carolina
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
TELEPHONE (919) 461-1100 FAX (919) 461-1415
NC LICENSE # C-2243

PROJECT REFERENCE NO.	SHEET NO.
R-3825B	8
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
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18470
SEAL
ENGINEER
EDWARD GLENN EDENS, JR.
8/8/2018

HYDRAULICS ENGINEER
DocuSigned by: Renee D. Buscemi
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ENGINEER
RENEE D. BUSCEMI
8/8/2018

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