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PROJECT REFERENCE NO.	SHEET NO.
B-3673	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 034367 ENGINEER TODD H. BUCKNER
DocuSigned by: 1087011E67F6435...
1/22/2015

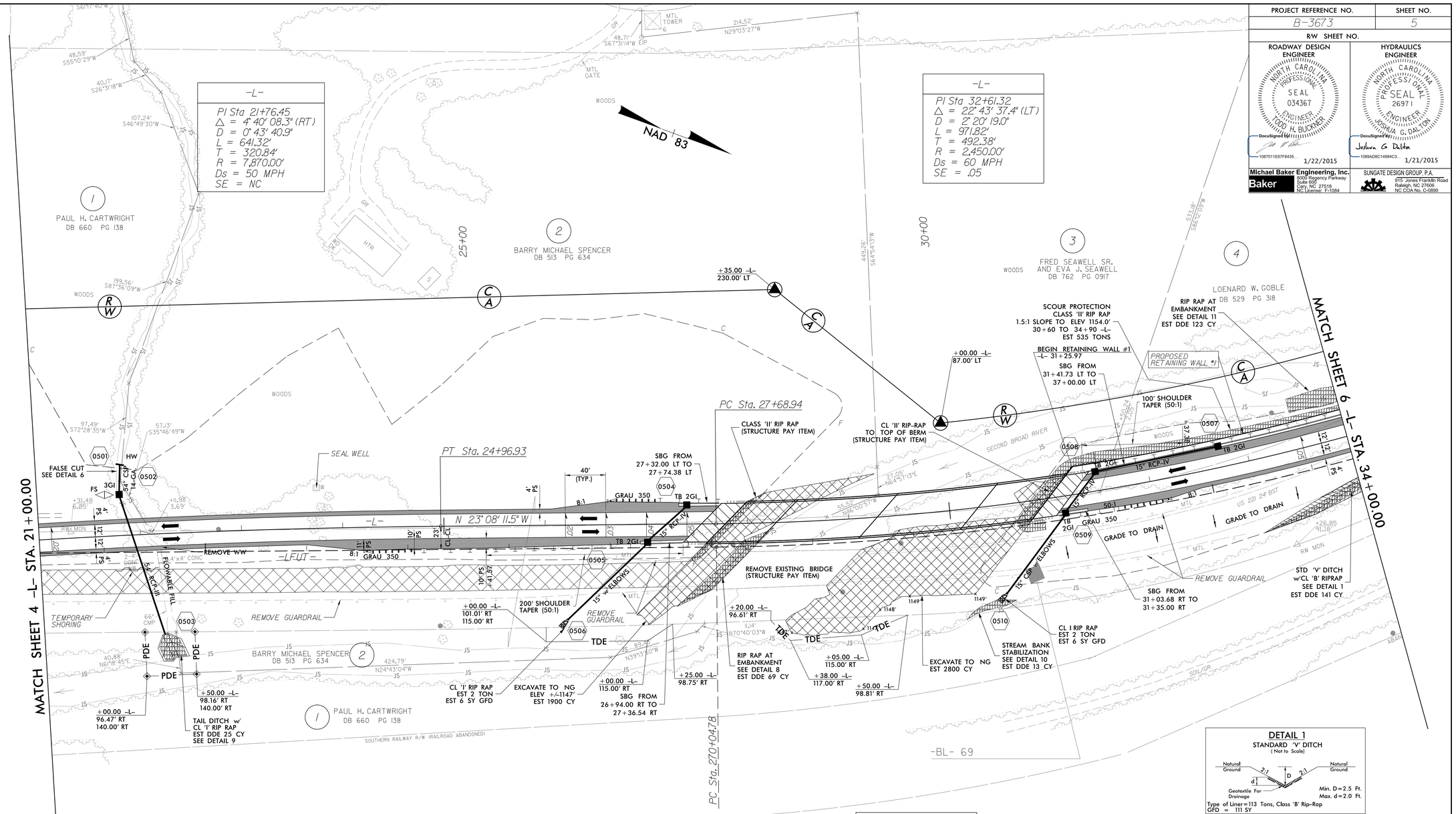
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DALTON
DocuSigned by: Joshua G Dalton 1089ADBC14994C3...
1/21/2015

Michael Baker Engineering, Inc.
8000 Regency Parkway
Suite 600
Cary, NC 27518
NC License: F-1084

SUNGATE DESIGN GROUP, P.A.
915 Jones Franklin Road
Raleigh, NC 27606
NC COA No. C-0890

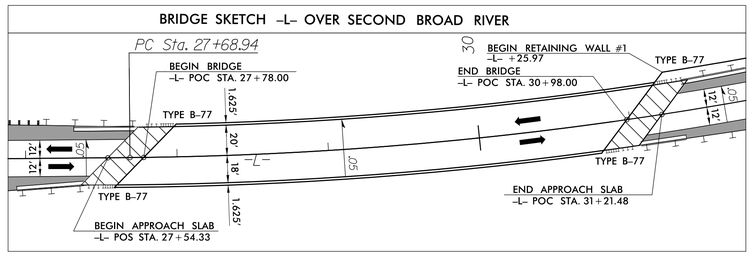
REVISIONS

8/17/99



-LFUT-
PI Sta 274+35.24
Δ = 19° 44' 54.59" (LT)
D = 2° 19' 0.67"
L = 852.38'
T = 430.46'
R = 2,473.00'
Ds = 60 MPH
SE = .05

BRIDGE SKETCH -L- OVER SECOND BROAD RIVER

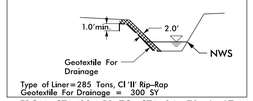


PROPOSED DESIGN
FUTURE DESIGN

DETAIL 1
STANDARD 'V' DITCH
(Not to Scale)

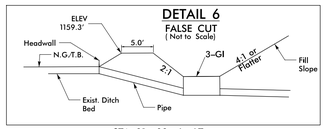
Min. D=2.5 Ft.
Max. d=2.0 Ft.
Type of Liner=113 Tons, Class 'B' Rip-Rap
GFD = 111 SY
FROM STA. 33+00 TO STA. 35+50 -L- RT

DETAIL 11
RIP RAP AT EMBANKMENT
(Not to Scale)



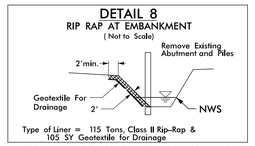
Type of Liner=285 Tons, Cl 'II' Rip-Rap
Geotextile For Drainage = 300 SY
FROM STA. 33+50 TO STA. 34+70 -L- LT

DETAIL 6
FALSE CUT
(Not to Scale)



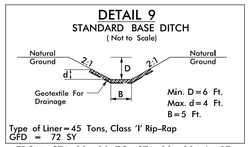
STA. 21+82 -L- LT

DETAIL 8
RIP RAP AT EMBANKMENT
(Not to Scale)



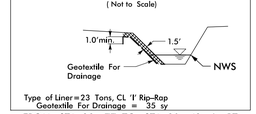
Type of Liner = 115 Tons, Class II Rip-Rap &
105 SY Geotextile for Drainage
FROM STA. 27+30 TO STA. 28+25 -L- RT

DETAIL 9
STANDARD BASE DITCH
(Not to Scale)



Min. D=6 Ft.
Max. d=4 Ft.
B=5 Ft.
Type of Liner=45 Tons, Class 'I' Rip-Rap
GFD = 72 SY
FROM STA. 22+20 TO STA. 22+30 -L- RT

DETAIL 10
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner=23 Tons, CL 'I' Rip-Rap
Geotextile For Drainage = 35 sy
FROM STA. 29+77 TO STA. 30+42 -L- RT

GFD = GEOTEXTILE FOR DRAINAGE

SEE SHEET 7 FOR -L- PROFILE
SEE SHEETS S-1 THRU S-43 FOR STRUCTURE PLANS
SEE SHEETS W-1 THRU W-3 FOR RETAINING WALL PLANS

1/22/2015 10:57:55 AM
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USER: toddbuckner