8/17/99

PROJECT REFERENCE NO.	SHEET NO.
BR-0070	5

ROADWAY DESIGN ENGINEER
10/20/2022
NORTH CAROLINA PROFESSIONAL CIVIL ENGINEER SEAL 045230 MICHAEL S. BURNS
Docusigned by: Michael S. Burns, Jr.

HYDRAULICS ENGINEER
10/26/2022
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043870 REID B. ROBEL
Docusigned by: Reid B. Robel

STEWART
Firm License No. C-1051
223 S. West St.
Suite 1100
Raleigh, NC 27603
T 919.380.8750
www.stewartinc.com

VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

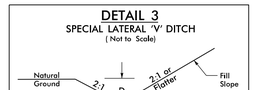
-L-

PI Sta 24+22.25	PI Sta 37+01.89
△ = 4° 18' 09.6" (LT)	△ = 4° 18' 06.7" (LT)
D = 0° 30' 58.2"	D = 0° 30' 58.2"
L = 833.56'	L = 833.41'
T = 416.98'	T = 416.90'
R = 11,100.00'	R = 11,100.00'
S_e = NC	S_e = NC

DETAIL 1
TOE PROTECTION
(Not to Scale)

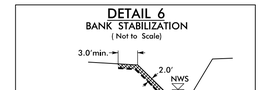
d=1.5 Ft.
Type of Liner= CLASS B RIP RAP
FROM STA. 27+00 TO STA. 29+06 -L- RT
FROM STA. 34+50 TO STA. 38+60 -L- RT

DETAIL 3
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

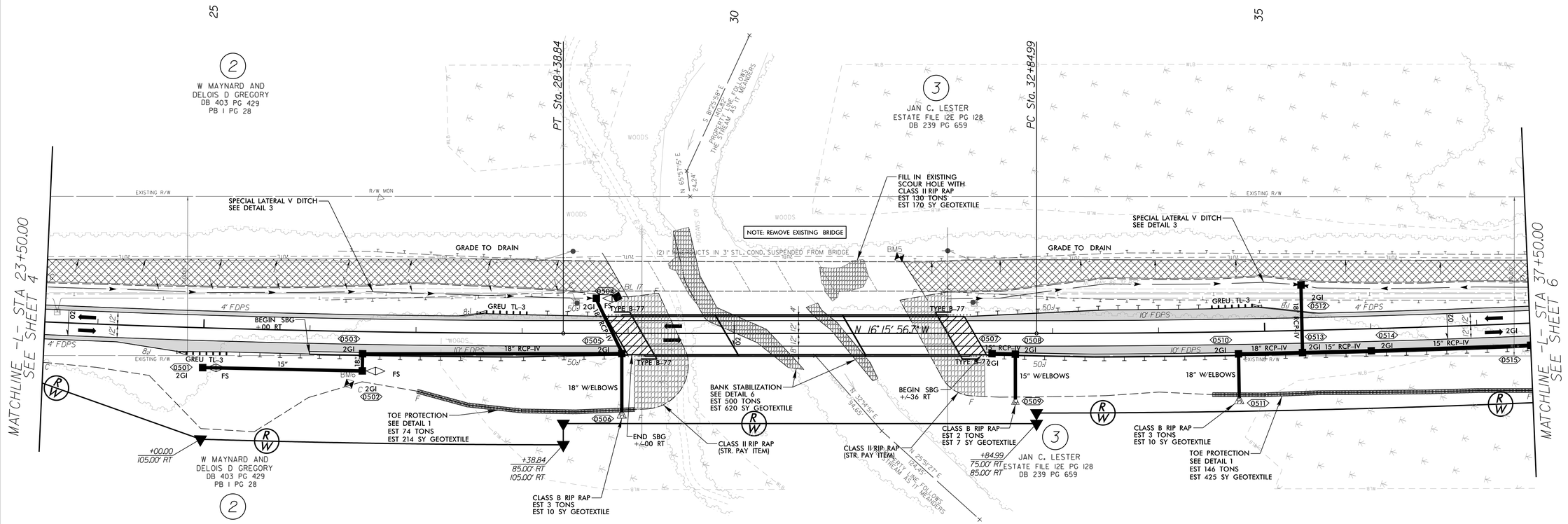


Min. D=1.5 Ft.
FROM STA. 20+50 TO STA. 28+70 -L- LT
FROM STA. 32+00 TO STA. 40+50 -L- LT

DETAIL 6
BANK STABILIZATION
(Not to Scale)



Type of Liner= CLASS II RIPRAP
FROM STA. 29+38 TO STA 31+35 -L-



FOR -L- PROFILE, SEE SHEET 7

9/27/2022
R:\Projects\BR0070\Rdy_psh_05.dgn
USER:rbrowne