8/17/99

1. ADDED PUE (3-14-2013)

SYSTIME=$$SYSTIME$$
SYSDATE=$$SYSDATE$$
DGNS=$$DGNS$$

Vaughn & Melton
Consulting Engineers

Asheville, North Carolina 828-253-2796
Charlotte, North Carolina 704-357-0488
Tri-Cities, Tennessee 423-467-8401
Knoxville, Tennessee 865-646-5800
Middlesboro, Kentucky 606-248-6600
Spartanburg, South Carolina 864-574-4775

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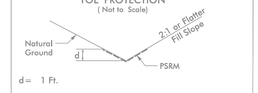
PROJECT REFERENCE NO.	SHEET NO.
R-3622B	EC-16/CONST.5
BW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/ NSRS 2007

Place Matting for Erosion Control on Slope as Work Allows. Sta. 21+00 – 34+00

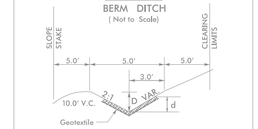
30 x 30 x 3 1.5 inch Skimmer with 0.75 inch Orifice Diameter 12 ft. weir ID 1.

DETAIL 1
TOE PROTECTION
(Not to Scale)



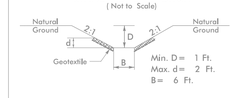
d = 1 Ft.
Type of Liner = PSRM
FROM STA. 22+50 TO STA. 23+50 RT
EST. 64 SY PSRM

DETAIL 2
BERM DITCH
(Not to Scale)



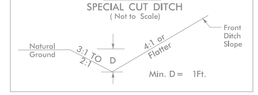
Min. D=1.0 Ft.
Max. d=1.0 Ft.
Type of Liner=CLASS B RIP RAP
FROM STA. 23+95 TO STA. 25+50 RT
EST. 35 TONS CL B RR; 77 SY GEOTEXTILE

DETAIL 3
STANDARD BASE DITCH
(Not to Scale)



Min. D= 1 Ft.
Max. d= 2 Ft.
B= 6 Ft.
Type of Liner= CL B Rip-Rap
FROM STA.29+52 TO STA.29+73 LT
EST. 15 CY DDE; 20 TONS CL B RR; 44 SY GEOTEXTILE
FROM STA.29+83 TO STA.29+83 LT
EST. DDE = 8 CY; 14 TONS CLB RR; 30 SY GEOTEXTILE

DETAIL 4
SPECIAL CUT DITCH
(Not to Scale)



Min. D= 1Ft.
FROM STA. 28+50 TO STA. 29+75 RT

DETAIL 11
TAIL DITCH
(Not to Scale)

Min. D=1 Ft.
FROM STA. 25+50 LT EST. DDE = 4 CY

1 GAIL NICHOLS DB 628 PG 10
2 CHADWICK WAYNE McNABB DB 1258 PG 54 DB 837 PG 23
3 ROBERT W. FAIL DB 702 PG 121
4 CHADWICK WAYNE McNABB DB 1258 PG 54 DB 837 PG 23
5 MICHAEL L. BIAS DB 899 PG 69
6 JAMES L. DAVIS, JR. DB 1345 PG 949 DB 1243 PG 780
7 LARRY McNABB DB 324 PG 199
8 GAIL W. STANSELL DB 668 PG 57
15 ANGEL H. DAVIS and husband, JAMES L. DAVIS, JR. DB 1487 PG 967
ENOCH MARTIN DB 1457 PG 996
LARRY McNABB DB 324 PG 199

MATCHLINE –L– STA. 21+00 SEE SHEET 15

MATCHLINE –L– STA. 34+00 SEE SHEET 17

-DRI-

PI Sta 10+70.24
Δ = 66° 33' 07.1" (RT)
D = 190° 59' 09.4"
L = 34.85'
T = 19.69'
R = 30.00'

PI Sta 11+69.16
Δ = 86° 37' 37.3" (LT)
D = 190° 59' 09.4"
L = 45.36'
T = 28.28'
R = 30.00'

-L-

PIs Sta 22+15.66
Θs = 4° 57' 08.4"
Ls = 144.00'
LT = 96.04'
ST = 48.03'

PI Sta 24+35.17
Δ = 23° 16' 26.5" (RT)
D = 6° 52' 41.7"
L = 338.37'
T = 171.55'
R = 833.00'

PIs Sta 26+50.02
Θs = 4° 57' 08.4"
Ls = 144.00'
LT = 96.04'
ST = 48.03'

PIs Sta 31+03.64
Θs = 1° 46' 13.4"
Ls = 110.00'
LT = 73.34'
ST = 36.67'

PI Sta 35+41.13
Δ = 25° 22' 50.9" (LT)
D = 3° 13' 07.9"
L = 788.50'
T = 400.83'
R = 1,780.00'

PIs Sta 39+65.48
Θs = 1° 46' 13.4"
Ls = 110.00'
LT = 73.34'
ST = 36.67'

SEE SHEET 14 FOR -L- PROFILE
SEE SHEET 22 FOR -DRI- PROFILE