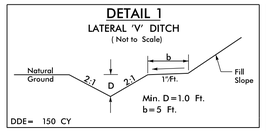
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-4822	EC-5/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/ NSRS 2007

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

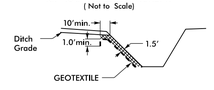


Min. D=1.0 Ft.
b=5 Ft.

DDE= 150 CY

FROM STA. 11+00 TO STA. 14+80 –L– RT

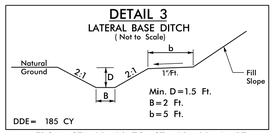
DETAIL 2
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner= 18 TONS,CL 'I' Rip-Rap
Geotextile= 25 SY

FROM STA. 14+85 –L– RT
FROM STA. 15+09 TO STA. 15+26 –L– RT
FROM STA. 15+37 TO STA. 15+56 –L– LT

DETAIL 3
LATERAL BASE DITCH
(Not to Scale)

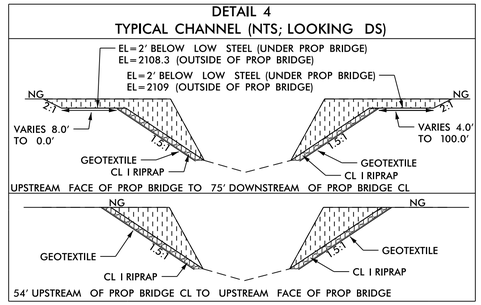


Min. D=1.5 Ft.
B=2 Ft.
b=5 Ft.

DDE= 185 CY

FROM STA. 15+16 TO STA. 18+00 –L– RT

DETAIL 4
TYPICAL CHANNEL (NTS; LOOKING DS)



BEGIN STATE TIP PROJECT B–4822
–L– POT STA 10+75.00

END STATE TIP PROJECT B–4822
–L– POT STA 19+85.00

–L– POT Sta.10+00.00
BEARING AH = S 2° 50' 20.1" W

–L– PC Sta.12+22.13

–L– PT Sta.14+49.35
BEARING AH = S 24° 00' 16.5" E

–L– PT Sta.15+89.47
BEARING AH = S 57° 13' 19.2" E

–L– PT Sta.19+89.57

–L– PC Sta.15+89.47

S 02°45'13" W
818.94' (TO ALT)

N 0°43'22" E
428.50'

N 77°06'01" E
88.14'

S 78°36'11" E
40.46'

N 75°27'30" E
27.87'

N 42°29'38" E
49.49'

N 84°38'24" E
62.29'

S 77°39'56" W
156.33'

S 37°29'22" W
225.31'

S 64°35'46" W
139.06'

S 53°17'26" W
193.96'

S 73°27'25" W
184.54'

N 27°06'01" E
88.14'

JUNE ALLISON MCCALL
DB 639 PG 277

1 TRANSYLVANIA COUNTY BOARD OF EDUCATION

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IMPERVIOUS DIKE

EXCAVATE EXIST. FILL
EST 606 CY
SEE DETAIL 4

CL 'I' RIP RAP
AT EMBANKMENT
SEE DETAIL 2

CL 'B' RIP RAP
PAD AT OUTLET
EST 2 TONS
7 SY GEOTEXTILE

15" W/2 ELBOWS

SBG
FROM STA. 15+60
TO STA. 15+72 –L– LT

REMOVE 18" CMP

CL 'II' RIP RAP
(STR. PAY ITEM)

CL 'I' RIP RAP
AT EMBANKMENT
SEE DETAIL 2

CL 'I' RIP RAP
(STR. PAY ITEM)

CL 'I' RIP RAP
AT EMBANKMENT
SEE DETAIL 2

LAT 2' BASE DITCH
SEE DETAIL 3

CL 'I' RIP RAP
STREAMBANK STABILIZATION
EST 156 TONS
EST 220 SY GEOXTEXTILE
SEE DETAIL 4

CL 'B' RIP RAP
PAD AT OUTLET
EST 3 TONS
10 SY GEOTEXTILE

BM #1
LAT V DITCH
SEE DETAIL 1

2 – 10'
DOUBLE GATES

BM #2

35 x 12 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 4.1

57 x 15 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
6 ft. weir
ID 4.2

NOTE:
UTILIZE SKIMMER BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

30-SEP-2015 07:57
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Completed at REVIZ1416