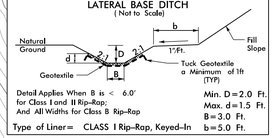
## DETAIL 1
LATERAL BASE DITCH
( Not to Scale)



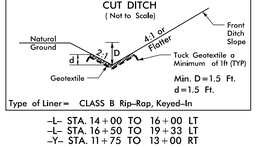

Detail Applies When B is < 6.0' for Class I and II Rip-Rap; And All Widths for Class B Rip-Rap

Min. D=2.0 Ft.
Max. d=1.5 Ft.
B=3.0 Ft.
b=5.0 Ft.

Type of Liner= CLASS I Rip-Rap, Keyed-In

–L– STA. 11+72.55 TO 13+22 LT
–L– STA. 12+00 TO 13+70 RT

## DETAIL 2
CUT DITCH
( Not to Scale)

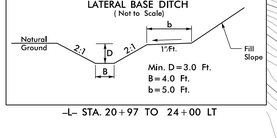



Min. D=1.5 Ft.
d=1.5 Ft.

Type of Liner= CLASS B Rip-Rap, Keyed-In

–L– STA. 14+00 TO 16+00 LT
–L– STA. 16+50 TO 19+33 LT
–Y– STA. 11+75 TO 13+00 RT

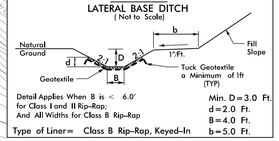
## DETAIL 3
LATERAL BASE DITCH
( Not to Scale)




Min. D=3.0 Ft.
B=4.0 Ft.
b=5.0 Ft.

–L– STA. 20+97 TO 24+00 LT

## DETAIL 8
LATERAL BASE DITCH
( Not to Scale)



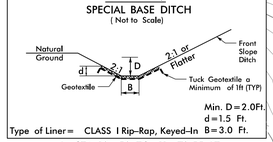

Detail Applies When B is < 6.0' for Class I and II Rip-Rap; And All Widths for Class B Rip-Rap

Min. D=3.0 Ft.
d=2.0 Ft.
B=4.0 Ft.
b=5.0 Ft.

Type of Liner= Class B Rip-Rap, Keyed-In

–L– STA. 20+68 TO 20+97 LT

## DETAIL 9
SPECIAL BASE DITCH
( Not to Scale)




Min. D=2.0Ft.
d=1.5 Ft.
B=3.0 Ft.

Type of Liner= CLASS I Rip-Rap, Keyed-In

–L– STA. 10+50 TO 11+72.55 LT

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 04

| PROJECT REFERENCE | SHEET NO. |
|---|---|
| 17BP.9.R.83 – STOKES 286 | EC-04/CONST.04 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| MOTT MACDONALD I & E, LLC LICENSE NO. F-0669 | VHB ENGINEERING LICENSE NO. C-3705 |

Prepared in the Office of:
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www.mottmac.com/americas

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

NAD 83/NA 2011

BEGIN PROJECT 17BP.9.R.83
–L– POT Sta. 10+50.00

–Y– POT Sta. 10+00.00

BEGIN CONSTRUCTION
–Y– POT Sta. 10+25.00

–Y– PC Sta. 10+38.75

–Y– PCC Sta. 11+64.65

–Y– PT Sta. 12+56.47

–L– PT Sta. 20+77.48

–L– POT Sta. 10+00.00

–L– PC Sta. 13+17.90

–L– POC Sta. 19+69.00
–Y– POT Sta. 13+50.00

–L– PT Sta. 21+50.00
–Y1– POT Sta. 10+00.00

–Y1– PC Sta. 10+46.88

–Y1– PT Sta. 11+22.05

END CONSTRUCTION
–Y1– POT Sta. 12+25.00

S 0° 24' 01.9" E

S 61° 04' 04.5" E

S 39° 17' 39.0" W

S 50° 42' 21.0" E

S 10° 34' 56.6" W

1 RAY ALTON BOWEN

2 REEPCO, INC.

3 KATHY B. DUTTON

4 NEWBERRY LAND COMPANY, LLC

5 STOKES COUNTY

6 J. C. CAMPBELL AND KATHERINE M. CAMPBELL

7 RAY ALTON BOWEN
DEBRA B. BOWEN
AMY B. GORDON
JEFFERY TODD GORDON

8 JOHN D. PHILLIPS

9 CHARLES DEAN BREWSTER

SITE 1
TRENCHLESS INSTALLATION 24" WELDED STEEL
0403
50' TAPER
26'
SPECIAL BASE DITCH SEE DETAIL 9 EST. 130 TONS RIP RAP EST. 265 SY GEOTEXTILE
LATERAL BASE DITCH SEE DETAIL 1 EST. 160 TONS RIP RAP EST. 320 SY GEOTEXTILE EST. 425 CY DDE
SPECIAL CUT DITCH SEE DETAIL 2 EST. 95 TONS RIP RAP EST. 305 SY GEOTEXTILE
CLASS I RIP RAP EST. 4 TONS EST. 10 SY GEOTEXTILE
SPECIAL CUT DITCH SEE DETAIL 2 EST. 195 TONS RIP RAP EST. 620 SY GEOTEXTILE
0401
0402
0404
0405
0406
0407
0410
0411
REMOVE
15" RCP
SITE 2
BEGIN JS
LATERAL BASE DITCH SEE DETAIL 1 EST. 180 TONS RIP RAP EST. 365 SY GEOTEXTILE EST. 510 CY DDE
SITE 2 / 2A BREAK IS AT 15" RCP
SITE 2A cont.
TO PERCH ROAD
TO SAND RIDGE ROAD
CLASS B RIP RAP EST. 3 TONS EST. 11 SY GEOTEXTILE
JS EXTENDS BEYOND STUDY AREA
CLASS II RIP RAP ALONG RIVER BANKS & FILL IN EXISTING STREAM CHANNEL EST. 1250 TONS EST. 800 SY GEOTEXTILE
CLASS II RIP RAP UP TO ELEV. 843.2' (TYP.) (STRUCTURE PAY ITEM)
SITE 3
LATERAL BASE DITCH SEE DETAIL 8 EST. 35 TONS RIP RAP EST. 65 SY GEOTEXTILE EST. 55 CY DDE
CLASS B RIP RAP EST. 3 TONS EST. 10 SY GEOTEXTILE
CLASS B RIP RAP EST. 2 TONS EST. 7 SY GEOTEXTILE
LATERAL BASE DITCH SEE DETAIL 3 EST. 865 CY DDE
BEGIN SBG +50 LT
BEGIN SBG +00 RT
15" W/ELBOWS
GREU TL-1
GREU TL-2
GREU TL-3
TEMPORARY SHORING WALL 1 (SEE TMP. PLANS)
TIE TO EXIST GR
SITE 4
FLOATING TURBIDITY CURTAIN
GRADE TO DRAIN (SEE X-SECTIONS)
REMOVE
TO BEAR CREEK CHURCH ROAD
MATCHLINE SEE SHEET 5 -L- STA 23+70.00

ALL DRIVE RADII ARE 10' UNLESS NOTED OTHERWISE

NOTE:
TYPE–III ANCHOR UNITS ON ALL FOUR BRIDGE CORNERS

USER:default
...\Stokes286_REU_psh04_CG.dgn
$$DATE$$ 7/31/2024