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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
17BP.11.R.146	2D-1
R/W SHEET NO.	

HYDRAULICS ENGINEER

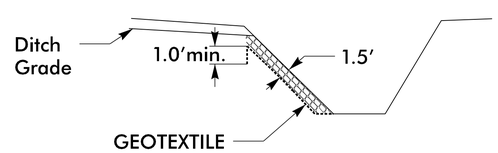
NORTH CAROLINA PROFESSIONAL SEAL 039850 ENGINEER JONATHAN M. WHITTINGTON

DocuSigned by: Jonathan M. Whittington 11/20/2019
SC13954A8980490...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAINAGE DETAILS

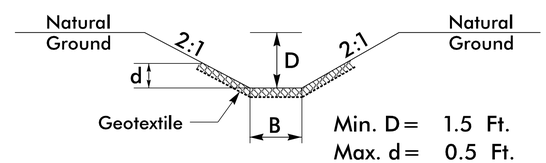
DETAIL A
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner = 8 tons CL II Rip–Rap
11 SY Geotextile

FROM –L– STA. 12 + 99 TO STA. 13 + 07 LT

DETAIL B
STANDARD BASE DITCH
(Not to Scale)



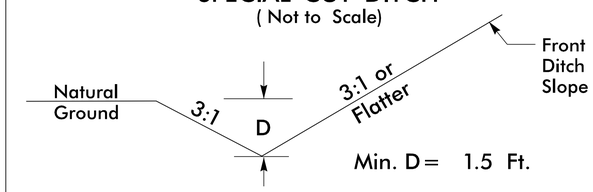
Min. D = 1.5 Ft.
Max. d = 0.5 Ft.
B = 2 Ft.

*When B is < 6.0'

Type of Liner = 10 tons CL B Rip–Rap
30 SY Geotextile

FROM –L– STA. 12 + 74 TO STA. 13 + 00 LT
DDE EXCAVATION = 5 CY

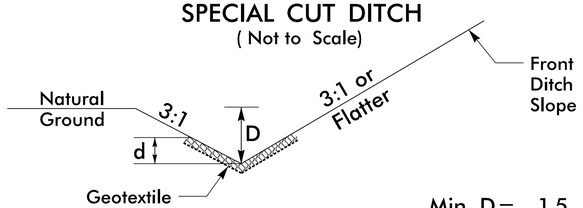
DETAIL C
SPECIAL CUT DITCH
(Not to Scale)



Min. D = 1.5 Ft.

FROM –DR1– STA. 10 + 50 TO STA. 10 + 62.5 LT

DETAIL D
SPECIAL CUT DITCH
(Not to Scale)



Min. D = 1.5 Ft.
Max. d = 0.5 Ft.

Type of Liner = 15 tons Class B Rip–Rap
40 SY Geotextile

FROM –L– STA. 14 + 62 TO STA. 15 + 07 LT

11/20/2019
R:\Roadway\Proj\980020_Rdy_psh_02D-1.dgn
defaults