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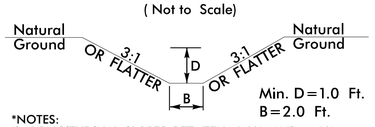
5/14/99

PROJECT REFERENCE NO.	SHEET NO.
W-5107	2D-2

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 28306 Jason Passmore ENGINEER JASON W. PASSMORE 12/17/2014

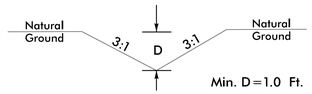
DETAIL AA
STANDARD BASE GRASSED SWALE
(Not to Scale)



*NOTES:
1) LONGITUDINAL SLOPES BETWEEN 0.3% AND 4.0%.
2) MODIFICATIONS MAY BE NEEDED, AS APPROVED BY ENGINEER.

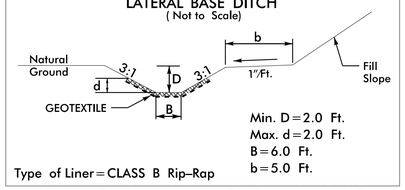
STA. 17+76 –SR1– RT

DETAIL AB
STANDARD 'V' DITCH
(Not to Scale)



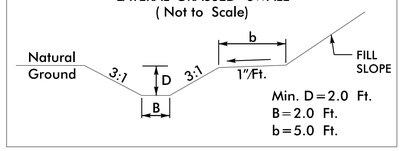
FROM STA. 12+50 –Y1LPA– RT TO STA. 39+57 –L– LT
FROM STA. 21+50 –Y1– RT TO STA. 11+50 –SR1– LT
FROM STA. 16+38 –Y6– RT TO STA. 10+75 –SR3– RT

DETAIL AC
LATERAL BASE DITCH
(Not to Scale)



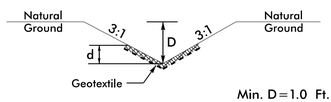
FROM STA. 32+50 TO STA. 33+00 –Y1– LT

DETAIL AD
LATERAL GRASSED SWALE
(Not to Scale)



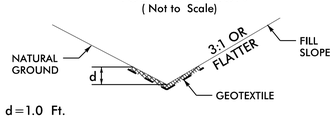
FROM STA. 14+00 TO STA. 20+50 –L– RT

DETAIL AE
STANDARD 'V' DITCH
(Not to Scale)



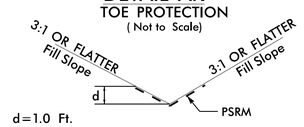
FROM STA. 17+00 –Y1RPC– LT TO STA. 23+76 –L– RT

DETAIL AI
TOE PROTECTION
(Not to Scale)



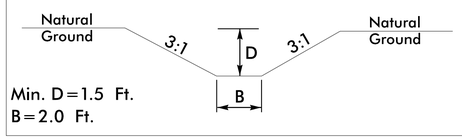
FROM STA. 24+91 TO STA. 25+83 –L– RT
FROM STA. 15+55 TO STA. 16+61 –Y1RPC– LT

DETAIL AK
TOE PROTECTION
(Not to Scale)



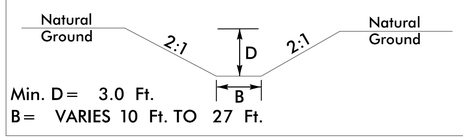
FROM STA. 12+61 TO STA. 16+52 –SR1– LT

DETAIL AL
STANDARD BASE DITCH
(Not to Scale)



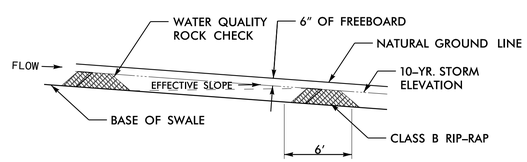
STA. 39+29 –Y1– RT

DETAIL AF
CHANNEL RELOCATION DETAIL
(Not to Scale)

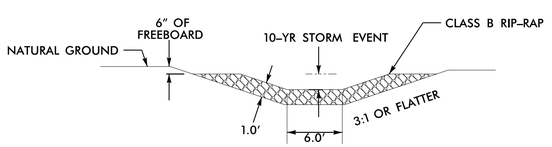


CHANNEL RELOCATION INSIDE Y1LPC
PLAN SHEET 6

DETAIL AG
TRAPEZOIDAL GRASSED SWALE
w/ROCK CHECK DAM
(Not to Scale)



PROFILE



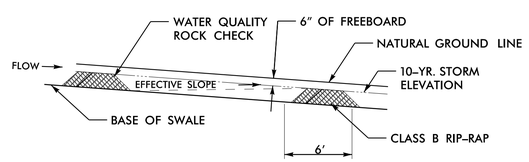
TYPICAL SECTION

NOTES:

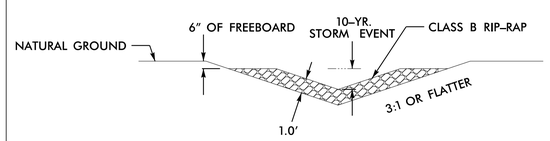
1) DO NOT USE INSIDE CLEAR RECOVERY AREA.
2) NOT PRACTICAL TO USE ON SLOPES > 5%.
3) FOR PERMANENT STRUCTURES IN GRASS SWALE.
4) CHECK DAMS SHOULD BE SPACED SUCH THAT THE BASE OF THE UPSTREAM CHECK IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM CHECK.

FROM STA. 117+00 TO STA. 119+00 –L– RT
FROM STA. 17+60 –Y1LPC– LT TO STA. 20+87 –Y1– LT

DETAIL AJ
"V" GRASSED SWALE
w/ROCK CHECK DAM
(Not to Scale)



PROFILE



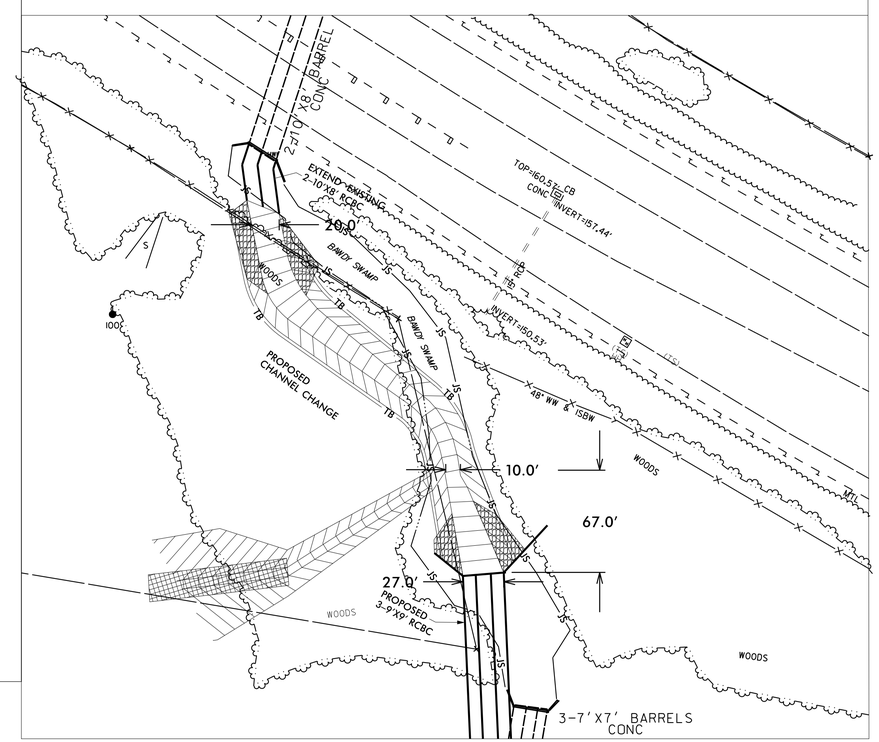
TYPICAL SECTION

NOTES:

1) DO NOT USE INSIDE CLEAR RECOVERY AREA.
2) NOT PRACTICAL TO USE ON SLOPES > 5%.
3) FOR PERMANENT STRUCTURES IN GRASS SWALE.
4) CHECK DAMS SHOULD BE SPACED SUCH THAT THE BASE OF THE UPSTREAM CHECK IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM CHECK.

FROM STA. 14+00 TO STA. 15+00 –Y1LPC– LT

DETAIL AH



12/17/2014
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