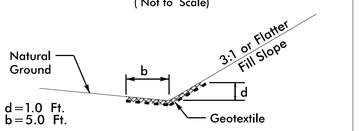
DocuSign Envelope ID: 55F7BF8B-9DAA-4D23-9D82-C07D79675971

PROJECT REFERENCE NO.	SHEET NO.
W-5107	2D-3

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26306 ENGINEER JOHN W. PASSMORE

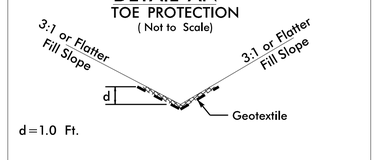
DETAIL AM
TOE PROTECTION
(Not to Scale)



Type of Liner=Class B Rip-Rap

FROM STA. 29+00 TO STA. 31+00 -L- LT
FROM STA. 27+44 TO STA. 30+37 -L- RT
FROM STA. 23+00 TO STA. 24+04 -Y1- LT
FROM STA. 24+91 TO STA. 26+21 -Y1- LT
FROM STA. 12+98 TO STA. 14+00 -Y1LPC- LT
FROM STA. 25+00 TO STA. 25+74 -Y6- RT
FROM STA. 10+54 TO STA. 14+25 -SR1- RT
FROM STA. 14+97 TO STA. 17+36 -SR1- RT

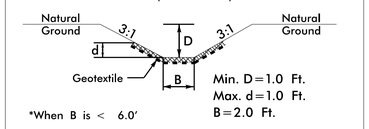
DETAIL AN
TOE PROTECTION
(Not to Scale)



Type of Liner=Class B Rip-Rap

FROM STA. 33+00 TO STA. 34+00 -L- RT
FROM STA. 27+50 -Y1- RT TO STA. 33+00 -L- RT
FROM STA. 19+00 -Y1RPD- RT TO STA. 27+50 -Y1- RT

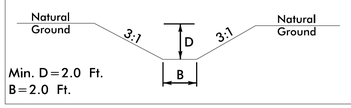
DETAIL AO
STANDARD BASE DITCH
(Not to Scale)



Type of Liner= CLASS I Rip-Rap

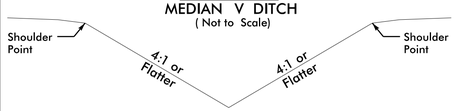
STA. 39+80 -Y1- LT

DETAIL AQ
STANDARD BASE DITCH
(Not to Scale)



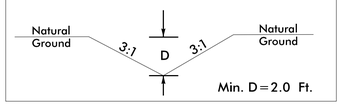
STA. 41+50 -L- RT
STA. 102+65 -L- RT
STA. 16+19 -Y1RPA- RT
FROM STA. 15+44 -Y1RPA- LT TO STA. 41+49 -L- LT

DETAIL AT
MEDIAN V DITCH
(Not to Scale)



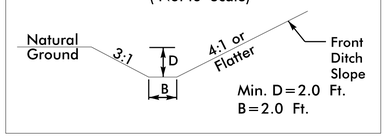
FROM STA. 10+00 TO STA. 13+73 -L1- M
FROM STA. 13+73 TO STA. 18+00 -L1- M
FROM STA. 18+00 TO STA. 19+58 -L1- M
FROM STA. 19+58 TO STA. 22+00 -L1- M
FROM STA. 58+85 TO STA. 63+50 -L- M
FROM STA. 65+50 TO STA. 68+90 -L- M
FROM STA. 78+22 TO STA. 82+00 -L- M
FROM STA. 82+00 TO STA. 87+59 -L- M
FROM STA. 93+00 TO STA. 95+00 -L- M
FROM STA. 95+00 TO STA. 96+60 -L- M
FROM STA. 96+60 TO STA. 102+67 -L- M
FROM STA. 120+59 TO STA. 134+65 -L- M
FROM STA. 134+65 TO STA. 138+72 -L- M
FROM STA. 102+72 TO STA. 103+00 -L- LT
FROM STA. 103+00 TO STA. 104+00 -L- LT

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



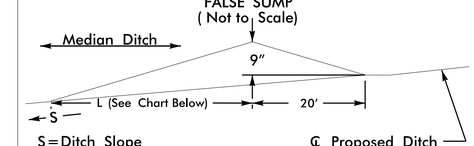
FROM STA. 101+50 -L- LT TO STA. 27+31 -SR2- RT
FROM STA. 36+70 -Y1- RT TO STA. 19+00 -Y1RPA- RT

DETAIL AV
SPECIAL CUT GRASSED SWALE
(Not to Scale)



FROM STA. 15+05 TO STA. 20+40 -Y1RPC- RT

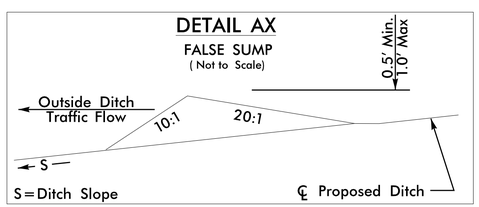
DETAIL AW
FALSE SUMP
(Not to Scale)



Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

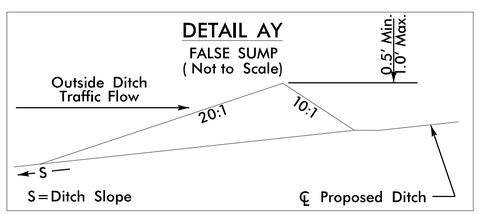
FROM STA. 17+60 TO STA. 18+00 -L1- M
FROM STA. 19+08 TO STA. 19+48 -L1- M
FROM STA. 28+60 TO STA. 29+00 -L- M
FROM STA. 30+04 TO STA. 30+44 -L- M
FROM STA. 45+85 TO STA. 46+25 -L- M
FROM STA. 96+60 TO STA. 97+00 -L- M
FROM STA. 113+00 TO STA. 113+40 -L- M
FROM STA. 134+25 TO STA. 134+65 -L- M
FROM STA. 103+00 TO STA. 103+40 -L- LT
FROM STA. 106+14 TO STA. 106+54 -L- LT
FROM STA. 12+80 TO STA. 13+20 -Y6LPB- LT
FROM STA. 27+50 TO STA. 28+20 -Y1- RT

DETAIL AX
FALSE SUMP
(Not to Scale)



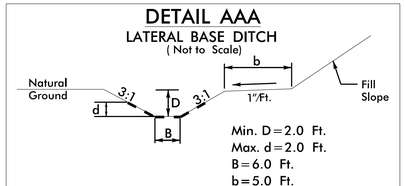
FROM STA. 15+40 TO STA. 15+70 -Y6- LT

DETAIL AY
FALSE SUMP
(Not to Scale)



FROM STA. 104+80 TO STA. 105+10 -L- RT
FROM STA. 36+90 TO STA. 40+20 -Y1- LT
FROM STA. 12+90 TO STA. 13+20 -Y2- LT

DETAIL AAA
LATERAL BASE DITCH
(Not to Scale)



Type of Liner= PSRM

FROM STA. 22+00 TO STA. 23+00 -Y1- LT

5/14/99
11/24/2014
R:\Roadway\Proj\W-5107_rdy_ditch_details.dgn
rkrawczyk
$$$$USER$$$$