5/14/99

GRAPHIC SCALE
50 0 50 100

PROJECT REFERENCE NO.	SHEET NO.
B-5682	EC-4/CONST.4
R/W SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	

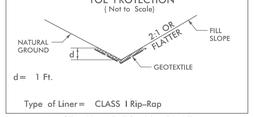
LEVEL III CERTIFIED BY:
ALEXANDER D SNIDER, PE
CERTIFICATION NUMBER: 3064
ISSUED: NOVEMBER 27, 2017

Prepared in the Office of:
MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

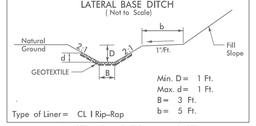
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

DETAIL A
TOE PROTECTION
(Not to Scale)



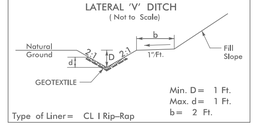
Type of Liner= CLASS I Rip-Rap
-L- STA. 11+45 TO 13+50 LT
-L- STA. 16+30 TO 16+75 LT

DETAIL B
LATERAL BASE DITCH
(Not to Scale)



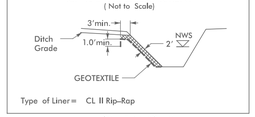
Type of Liner= CL I Rip-Rap
-L- STA. 13+50 TO 14+40 LT

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



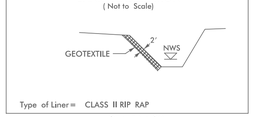
Type of Liner= CL I Rip-Rap
-L- STA. 14+67 TO 17+00 RT

DETAIL D
RIP RAP AT EMBANKMENT
(Not to Scale)



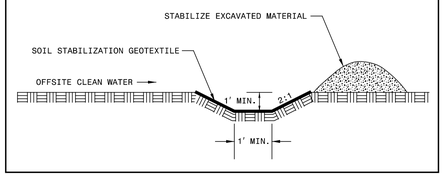
Type of Liner= CL II Rip-Rap
-L- STA. 14+40 LT
-L- STA. 14+63 RT

DETAIL E
BANK STABILIZATION
(Not to Scale)



Type of Liner= CLASS II RIP RAP
-L- STA. 14+30
-L- STA. 14+80

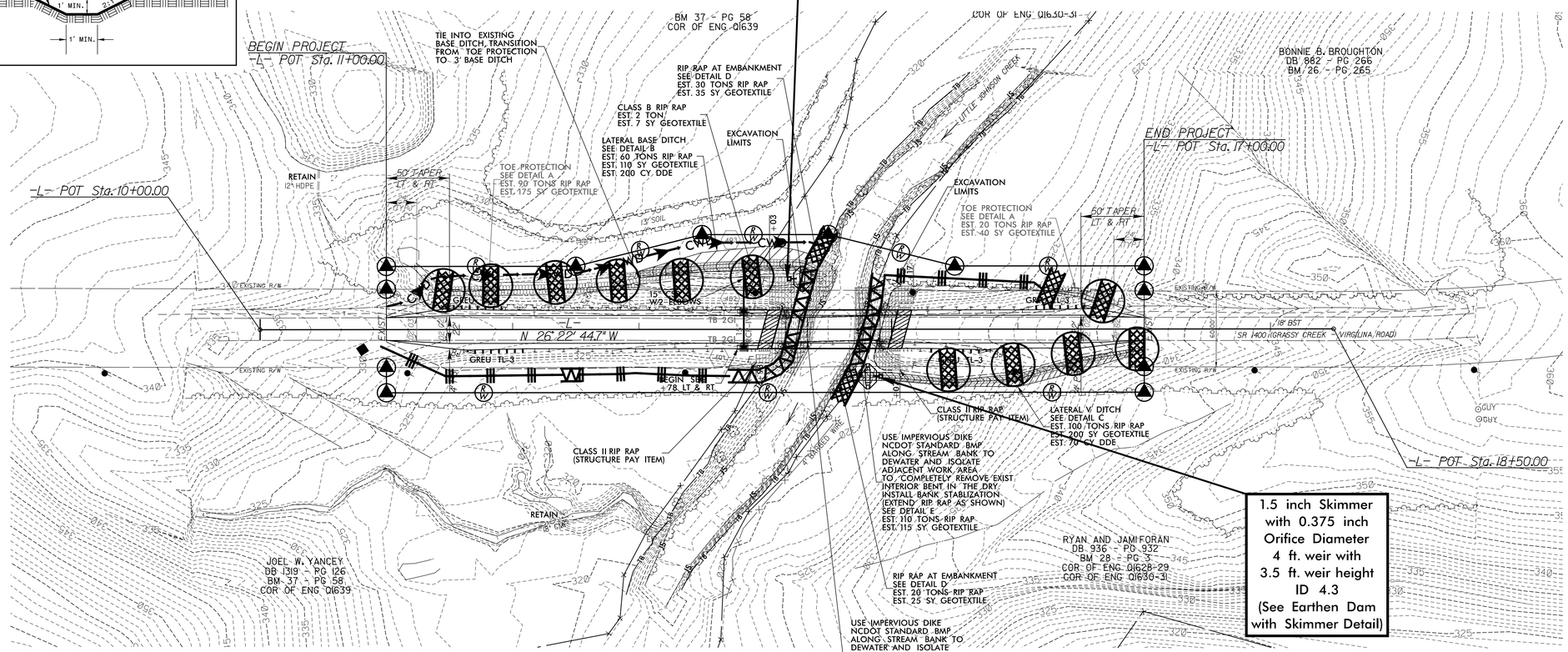
CLEAN WATER DIVERSION
CWD → CWD → CWD → CWD
(Not to Scale)



QUANTITY FOR EXCAVATION LIMITS IS INCLUDED IN UNCLASSIFIED STRUCTURE EXCAVATION

1.5 inch Skimmer with 0.5 inch Orifice Diameter 4 ft. weir with 3.5 ft. weir height ID 4.1 (See Earthen Dam with Skimmer Detail)

NAD 83/NA 2011



DECK DRAINS NOT REQUIRED

IMPERVIOUS DIKE SHALL BE CONSIDERED INCIDENTAL TO THE REMOVAL OF THE EXISTING STRUCTURE

ALEXANDER D. SNIDER, PE
ROADSIDE ENVIRONMENTAL ENGINEER
3064
LEVEL III CERTIFICATION NUMBER
TRENTON J. CORMIER, PE
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER
3377
LEVEL III CERTIFICATION NUMBER

NOTE:
ALL EROSION CONTROL DEVICES SHOWN ARE LOCATED WITHIN EXISTING/PROPOSED R/W OR EASEMENT.

NOTE:
PLACE TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

$$$