5/14/99

GRAPHIC SCALE
50 0 50 100

PROJECT REFERENCE NO.	SHEET NO.
B-5682	EC-5/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:
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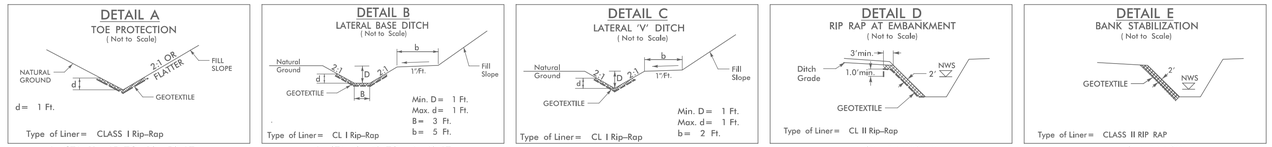
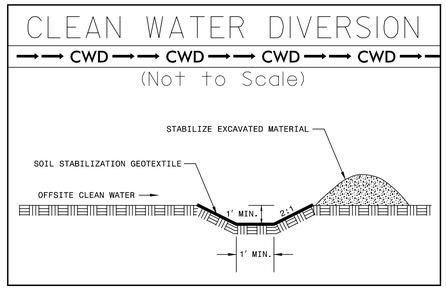
N.C.B.E.L.S. License Number: F-0116

FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 4





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 4.2 (See Earthen Dam with Skimmer Detail)

NAD 83/NA 2011

15+00

BM 37 - PG 58
COR OF ENG Q1639

COR OF ENG Q1630-31

BONNIE B. BROUGHTON
DB 882 - PG 266
BM 26 - PG 265

BEGIN PROJECT
-L- POT Sta. 11+00.00

TIE INTO EXISTING BASE DITCH, TRANSITION FROM TOE PROTECTION TO 3' BASE DITCH

RIP RAP AT EMBANKMENT
SEE DETAIL D
EST. 30 TONS RIP RAP
EST. 35 SY GEOTEXTILE

CLASS B RIP RAP
EST. 2 TON
EST. 7 SY GEOTEXTILE

LATERAL BASE DITCH
SEE DETAIL B
EST. 60 TONS RIP RAP
EST. 110 SY GEOTEXTILE
EST. 200 CY DDE

EXCAVATION LIMITS

LITTLE JOHNSON CREEK

END PROJECT
-L- POT Sta. 17+00.00

-L- POT Sta. 10+00.00

RETAIN
12" HDPE

50' TAPER LT & RT

24' (TYP.)

TOE PROTECTION
SEE DETAIL A
EST. 90 TONS RIP RAP
EST. 175 SY GEOTEXTILE

13' SOIL

EXCAVATION LIMITS

TOE PROTECTION
SEE DETAIL A
EST. 20 TONS RIP RAP
EST. 40 SY GEOTEXTILE

50' TAPER LT & RT

24' (TYP.)

EXISTING R/W

15" CSP W/2 ELBOWS

GREU TL-3

-L-

N 26° 22' 44.7" W

BEGIN SB1
+78 LT & RT

18" BST

SR 1400 (GRASSY CREEK VIRGILINA ROAD)

CLASS II RIP RAP (STRUCTURE PAY ITEM)

LATERAL V DITCH
SEE DETAIL C
EST. 100 TONS RIP RAP
EST. 200 SY GEOTEXTILE
EST. 70 CY DDE

USE IMPERVIOUS DIKE NCDOT STANDARD BMP ALONG STREAM BANK TO DEWATER AND ISOLATE ADJACENT WORK AREA TO COMPLETELY REMOVE EXIST INTERIOR BENT IN THE DRY. INSTALL BANK STABLIZATION (EXTEND RIP RAP AS SHOWN)
SEE DETAIL E
EST. 110 TONS RIP RAP
EST. 115 SY GEOTEXTILE

GUY
GUY

-L- POT Sta. 18+50.00

1.5 inch Skimmer with 0.375 inch Orifice Diameter 4 ft. weir with 3.5 ft. weir height ID 4.3 (See Earthen Dam with Skimmer Detail)

RETAIN
18" CMP

JOEL W. YANCEY
DB 1319 - PG 126
BM 37 - PG 58
COR OF ENG Q1639

RYAN AND JAMI FORAN
DB 936 - PG 932
BM 28 - PG 3
COR OF ENG Q1628-29
COR OF ENG Q1630-31

RIP RAP AT EMBANKMENT
SEE DETAIL D
EST. 20 TONS RIP RAP
EST. 25 SY GEOTEXTILE

USE IMPERVIOUS DIKE NCDOT STANDARD BMP ALONG STREAM BANK TO DEWATER AND ISOLATE ADJACENT WORK AREA TO COMPLETELY REMOVE EXIST INTERIOR BENT IN THE DRY. INSTALL BANK STABLIZATION (EXTEND RIP RAP AS SHOWN)
SEE DETAIL E
EST. 120 TONS RIP RAP
EST. 125 SY GEOTEXTILE

DECK DRAINS NOT REQUIRED

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

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

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