PROJECT REFERENCE	SHEET NO.
17BP.7.R.116	EC-05/CONST.04

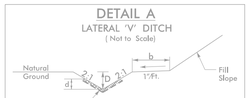
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HDR ENGINEERING LICENSE NO. F-0116

Prepared in the Office of:

MOTT MACDONALD
930 Main Campus Drive, Suite 200
Raleigh, NC 27606
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

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

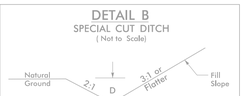


Min. D= 1 Ft.
Max. d= 1 Ft.
b= 2 Ft.

Type of Liner= Class B Rip Rap

-Y- STA. 10+75 TO 11+00 LT

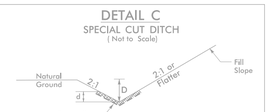
DETAIL B
SPECIAL CUT DITCH
(Not to Scale)



Min. D= 1 Ft.

-L- STA. 18+50 TO 19+00 LT
-L- STA. 18+50 TO 19+80 RT

DETAIL C
SPECIAL CUT DITCH
(Not to Scale)

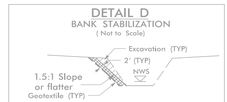


Min. D= 1 Ft.
Max. d= 1 Ft.

Type of Liner= Class B Rip Rap

-L- STA. 17+26 TO 17+59 LT
-L- STA. 17+79 TO 18+50 LT

DETAIL D
BANK STABILIZATION
(Not to Scale)



Type of Liner= Class II Rip Rap

-L- STA. 15+37 TO 15+53
-L- STA. 16+07 TO 16+27

NAD 83

15+00

20+00

BEGIN APPROACH SLAB
-L- Sta. 14+60.86

END APPROACH SLAB
-L- Sta. 16+99.14

-L- POT Sta. 17+43.00
-Y- POT Sta. 10+00.00

-L- PT Sta. 14+32.42

-L- PC Sta. 10+00.00

-L- PT Sta. 20+50.00

END PROJECT 17BP.7.R.116
-L- POC Sta. 20+00.00

-L- PC Sta. 17+81.08

END OVERLAY
BEGIN GRADE
-L- POC Sta. 12+00.00

BEGIN BRIDGE
-L- Sta. 14+85.00

END BRIDGE
-L- Sta. 16+75.00

BEGIN PROJECT 17BP.7.R.116
-L- POC Sta. 10+75.00

-Y- PC Sta. 10+54.54

-Y- PT Sta. 11+24.41

END CONSTRUCTION
-Y- POT Sta. 11+50.00

-Y- POT Sta. 12+00.00

1
LOU SADIE HACKETT
DB 7775 PG 1038
PB 190 PG 125

2
J. ROBERT LANDRETH, JR.
DB 7192 PG 1304

3
CITY OF GREENSBORO
DB 6456 PG 2772
PB 160 PG 51

4
EDWIN N. HOLT
GENERAL CONTRACTOR, INC.
DB 7175 PG 2713

5
JOHN S. WHITT
DB 2560 PG 928

6
KRYSTAL LYNN BROWN
DB 3212 PG 637
DB 2304 PG 623

7
CHURCH OF CHRIST
DB 3792 PG 1993
PB 33 PG 61
PB 31PG 64

CLASS II RIP RAP
UP TO SHOULDER (TYP.)
(STRUCTURE PAY ITEM)

EXCAVATION LIMITS

REMOVE EXISTING CONCRETE BENTS

FLOATING TURBIDITY CURTAIN

SPECIAL CUT DITCH
SEE DETAIL C
EST. 10 TONS RIP RAP
EST. 25 SY GEOTEXTILE

DO NOT DISTURB FENCE

SPECIAL CUT DITCH
SEE DETAIL C
EST. 25 TONS RIP RAP
EST. 55 SY GEOTEXTILE

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

SPECIAL CUT DITCH
SEE DETAIL B

SPECIAL CUT DITCH
SEE DETAIL B

LATERAL V DITCH
SEE DETAIL A
EST. 10 TONS RIP RAP
EST. 20 SY GEOTEXTILE
EST. 30 CY DDE

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

CLASS B RIP RAP
EST. 3 TONS
EST. 10 SY GEOTEXTILE

BANK STABILIZATION
SEE DETAIL D
EST. 150 TONS RIP RAP
EST. 150 SY GEOTEXTILE
EST. 100 CY DDE

BANK STABILIZATION
SEE DETAIL D
EST. 155 TONS RIP RAP
EST. 155 SY GEOTEXTILE
EST. 105 CY DDE

NOTE:
B-77 ANCHOR UNITS ON
ALL FOUR BRIDGE CORNERS

9:32:57 AM
...\400224_EC_PSH_F.dgn
1/14/2025
1/14/2025