PROJECT REFERENCE	SHEET NO.
B-5716	4

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 21102 ENGINEER JOSEPH T. MOTSKO

09-Jun-2025

MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 34364 ENGINEER ANTHONY J. COMER

09-Jun-2025

MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

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NAD 83/NA 2011

HPB — HISTORIC PROPERTY BOUNDARY

RAILROAD CROSSING #470160J
MILE POST M 97.3
EXISTING SIGNAL AND CROSSING
TO BE REMOVED BY THE RAILROAD

1 WILLIAM MARTIN WILLIAMSON
DB 1377 PG 2163

2 JEFFREY D. MURPHY
MONICA C. MEDINA-MURPHY
DB 1342 PG 2144
DB 1342 PG 998
DB 1342 PG 996
DB 59 PC 21

2A TOWN OF MADISON
DB 1579 PG 0034

3 TOWN OF MADISON
DB 808 PG 2003
DB 1594 PG 2590
PB 87 PG 70

4 PINE HALL BRICK COMPANY INC
DB 1028 PG 1560
DB 653 PG 70
DB 671 PG 224
DB 731 PG 882
DB 443 PG 311
DB 622 PG 270

-DRI- PT Sta. 11+29.26

BEGIN CONSTRUCTION
BEGIN TIP PROJECT B-5716
-L- POT Sta. 10+00.00

-DRI- PC Sta. 10+44.90
N 65° 24' 34.9" W
-L- PC Sta. 10+88.21
N 17° 11' 46.3" E

END CONSTRUCTION
-DRI- POT Sta. 15+03.98

-DRI-
N 17° 04' 31.2" W

-RR- POT Sta. 10+00.00

-RR-
S 62° 15' 42.9" E

-DR2- POT Sta. 10+00.00

-DR2- PC Sta. 11+44.80

BEGIN APPROACH SLAB
-L- Sta. 15+95.00

-L-
N 27° 43' 54.3" E

-L- POT Sta. 20+28.82
-RR- POT Sta. 12+61.67

BEGIN BRIDGE
-L- Sta. 16+09.00

-L- POC Sta. 12+25.00
-DRI- POT Sta. 10+00.00

-L- PT Sta. 12+83.12

-RR- PC Sta. 13+76.84

-RR- PT Sta. 15+00.00

-DR2- PT Sta. 14+30.23

-L- PC Sta. 21+84.68

MATCHLINE SEE SHEET 5
-L- STA 23+00.00

TOE PROTECTION
SEE DETAIL C
EST. 80 TONS RIP RAP
EST. 230 SY GEOTEXTILE

CL I RIP RAP
EST. 10 TONS
EST. 25 SY GT

END ASHPALT
BEGIN ABC
-DRI- 12+79.10

BEGIN SBG
+29.26 RT

CL B RIP RAP
EST. 1 TON
EST. 5 SY GT

15" CSP W/ELBOWS

REMOVE EXISTING CONCRETE SLOPE PROTECTION AND REPLACE WITH CLASS II RIP RAP @ 2:1 SLOPE (STRUCTURE PAY ITEM)

REMOVE BRIDGE

ROCK PLATING TO EXISTING END BENT
EST 200 SY

GRADE TO DRAIN

EMBANKMENT BURIED

BRIDGE #140 CONC STL BST

CONC. PILLARS IN WATER

END SBG
+94 LT

TYPE III

END SBG
+94 RT

TYPE III

LATERAL BASE DITCH
SEE DETAIL A
EST. 380 TONS RIP RAP
EST. 1,080 SY GEOTEXTILE
EST. 365 CY DDE

CL II RIP RAP
(STRUCTURE PAY ITEM)

STANDARD BASE DITCH
SEE DETAIL B
EST. 165 TONS RIP RAP
EST. 440 SY GEOTEXTILE
EST. 160 CY DDE

RIP RAP AT EMBANKMENT
SEE DETAIL D
EST. 95 TONS RIP RAP
EST. 125 SY GEOTEXTILE

TRENCHLESS INSTALLATION
36" WELDED STEEL

WBL EXIST ROADWAY TO REMOVE EXISTING CROWN

RETAIN

GRADE TO DRAIN

DRIVEWAY
8" ABC
8'x100'
2' OFF R/W

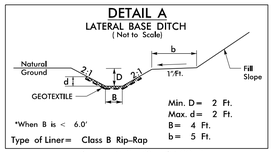
GREU TL-3

BEGIN WW FENCE
+00 RT

BEGIN SBG
+03 RT

END WW FENCE
+94 RT

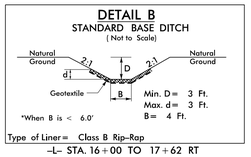
DETAIL A
LATERAL BASE DITCH
(Not to Scale)



Type of Liner= Class B Rip-Rap

-L- STA. 11+13 TO 16+00 RT

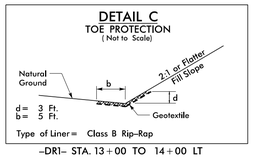
DETAIL B
STANDARD BASE DITCH
(Not to Scale)



Type of Liner= Class B Rip-Rap

-L- STA. 16+00 TO 17+62 RT

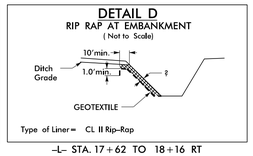
DETAIL C
TOE PROTECTION
(Not to Scale)



Type of Liner= Class B Rip-Rap

-DRI- STA. 13+00 TO 14+00 LT

DETAIL D
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner= CL II Rip-Rap

-L- STA. 17+62 TO 18+16 RT

-L-	
PI Sta 11+85.94	PI Sta 23+91.40
△ = 10° 32' 08.0" (RT)	△ = 42° 36' 59.1" (RT)
D = 5° 24' 18.9"	D = 10° 48' 37.9"
L = 194.91'	L = 394.21'
T = 97.73'	T = 206.73'
R = 1,060.00'	R = 530.00'
SE = 06	SE = 06
RO = 126'	

-DRI-
PI Sta 10+89.77
△ = 48° 20' 03.8" (RT)
D = 57° 17' 44.8"
L = 84.36'
T = 44.87'
R = 100.00'
SE = 02

-DR2-
PI Sta 13+06.20
△ = 66° 45' 05.1" (LT)
D = 23° 23' 09.7"
L = 285.43'
T = 161.40'
R = 245.00'
SE = EXIST

-RR-
PI Sta 14+38.46
△ = 5° 15' 58.0" (LT)
D = 4° 16' 32.9"
L = 123.16'
T = 61.62'
R = 1,340.00'

PAVEMENT REMOVAL
SIDEWALK
PAVED SHOULDER
OVERLAY AREA
1.5" S9.5B

FOR -L- PROFILE SEE SHEET 6
FOR -DRI- PROFILE SEE SHEET 7
FOR -DR2- PAINT STIPING SEE PMP PLANS

FOR STRUCTURE/RETAINING WALL DETAIL SEE SHEET 2B-4
FOR STRUCTURE PLANS SEE SHEETS S01-1 THRU S01-48
FOR WALL PLANS SEE SHEETS W-1 THRU W-6

iso-hooker
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