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5/14/99

PROJECT REFERENCE NO.	SHEET NO.
I-5987B	12
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22906 ENGINEER DAVID C. WALLER
DocuSigned by: David C. Waller
4/29/2022
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 032821 ENGINEER ELENI M. RIGGS
DocuSigned by: Eleni M. Riggs
4/29/2022
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
MOTT MACDONALD
7621 Parfay Rd, Suite 115
Fuquay-Varina, NC 27526
www.mottmac.com/americas

-Y5RPB-
PIs Sta 11+00.00
Θs = 1° 35' 08.4"
Ls = 150.00'
LT = 100.00'
ST = 50.00'

NAD 83/2011

MATCHLINE -L- STA. 589+00.00 SEE SHEET NO. 11

MATCHLINE -L- STA. 601+00.00 SEE SHEET NO. 13

590 595 600

196
KEITH-PERRY, LLC
DB 1056 PG 535
MB 31 PG 187
MB 50 PG 38

197
TRIPLE K INVESTMENTS, LLC.

198
THE MELBA H. INMAN LIVING TRUST
DB 1224 PG 444
MB 2 PG 130

STANDARD 4' BASE TAILDITCH
W/CL I RIP RAP
115 LF @ 0.39%
DDE = 325 CY
EST. 260 TONS
EST. 430 SY GT
SEE DETAIL BD

+90.00-L- 190.00'
+50.00-L- 190.00'
+25.00-L- 149.22' (EX.R/W)
+75.00-L- 149.22' (EX.R/W)

TOE PROTECTION
SEE DETAIL AC

FALSE CUT
SEE DETAIL BE

-Y5- (NC20) DRAINAGE DIVERSION FROM OUTFALL 13-01 (-L- STA. 621+00 RT) TO OUTFALL 12-01 (-L- STA. 592+50 LT)

LATERAL V DITCH
SEE DETAIL AK
DDE = 775 CY

-Y5RPB- TS Sta. 10+00.00
-L- POT Sta. 600+00.00
OFF = LT 61'

300' TAPER
PDE
780' ACCELERATION

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

1203
15" w/2 ELBOWS
END SBG +04.37
TB 2GI 1202
GREU TL-3
8:1

CL. I RIP RAP
EST. 26 TONS
EST. 50 SY GT

EW 60" RCP-III
EW 1216
FS SEE DETAIL E
1219 SP. DET. 2GI-A SEE SHEET 2C-7
60" RCP-III
REMOVE 30 LF EXIST. 30" RCP
1217 SP. DET. 2GI-A SEE SHEET 2C-7
1223 SP. DET. 2GI-A SEE SHEET 2C-7
54" RCP-III
1218 SP. DET. 2GI-A SEE SHEET 2C-7

-Y5RPB-

TRENCHLESS INSTALLATION 48" WELDED STEEL
1205 TB 2GI-A
FLOWABLE FILL
REMOVE
1208 TB 2GI
15" RCP-IV
18" RCP-IV
1209 TB 2GI
48" RCP-IV
-L-
PROP. TYPE T BARRIER
N 19° 36' 03.2" E
1206 TB 2GI-A
TB 2GI 1207
TB 2GI 1210
18" RCP-IV
TB 2GI 1212
1211 TB 2GI
15" RCP-IV
1214 TB 2GI
1213

TEMPORARY SHORING
TRENCHLESS INSTALLATION 48" WELDED STEEL
BL-229
-Y5RPC-
N 21° 54' 03.2" E

300'TAPER 8:1
TB 2GI 1221
GREU TL-3
BEGIN SBG +12.00
1222
GAT
HW 1215
PROP 47" WW FENCE
SPECIAL LATERAL 6' BASE DITCH SEE DETAIL F
SPECIAL CUT 6' BASE DITCH WHINGE SEE DETAIL T
SPECIAL CUT 6' BASE DITCH WHINGE W/CL B RIPRAP
EST. 315 TONS
EST. 685 SY GT
SEE DETAIL Y

STANDARD V DITCH W/CL B RIPRAP
EST. 8 TONS
EST. 17 SY GT
SEE DETAIL AQ
+30.00-L- 130.00'
+10.00-L- 130' 150'
1224
N 21° 54' 03.2" E
35' R
+39.30 26' RT
32' R
+39.30-Y21- 15.23'
+60.00-Y21- 95'
+39.30-Y21- 75.00'
+39.30-Y21- 26.27'
+60.00-Y21- 95'
+20.00-L- 216'
-Y5RPC- POT Sta. 10+00.00
-L- POT Sta. 599+81.27
OFF = RT 61'
Δ = 2° 18' 00"
+30.00-L- 195.00'
SPECIAL CUT V DITCH SEE DETAIL H
-Y21- POT Sta. 10+00.00
BEGIN CONSTRUCTION
-Y21- POT Sta. 10+15.87
-Y21- PC Sta. 10+39.30
-Y21-PT Sta. 10+98.75
SPECIAL CUT V DITCH W/CL B RIPRAP
EST. 45 TONS
EST. 30 SY GT
SEE DETAIL BA
END CONSTRUCTION
-Y21- POT Sta. 11+40.00

BM#33

-Y21-
PI Sta 10+69.65
Δ = 28° 23' 10.8" (RT)
D = 47° 44' 47.3"
L = 59.45'
T = 30.35'
R = 120.00'

LEGEND
PROPOSED PAVED SHOULDER

FOR -L- PROFILE SEE SHEET 56
FOR -Y5RPB- PROFILE, SEE SHEET 87
FOR -Y5RPC- PROFILE, SEE SHEET 88
FOR -Y21- PROFILE, SEE SHEET 102
FOR DITCH DETAILS, SEE SHEETS 2D-1 THRU 2D-3

4/29/2022
R:\Roadway\Proj\I5987b_rdy_psh_12.dgn
WALTERS