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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-3100A	14

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 21102 ENGINEER TIMOTHY JOHNSON
Documents not considered final unless sealed by TIMOTHY JOHNSON
3/15/2017

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 025503 ENGINEER RICHARD L MOORE
Documents not considered final unless sealed by RICHARD L MOORE
3/15/2017

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

McKIM & CREED
NC LICENSE #1132
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TEL. (910) 343-1568 FAX. (910) 790-4282

SEE SHEET 2B-7 FOR ISLAND DETAIL
SEE PROFILE SHEET 29 & 35

NAD 83/NSRS 2007

MATCHLINE -L- STA 146+50.00 SEE SHEET NO. 13

MATCHLINE -L- STA 160+00.00 SEE SHEET NO. 15

DETAIL D
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground, 3:1 or Flatter, D, 4:1 or Flatter, Front Ditch Slope
Min. D=1.0 Ft.
FROM STA. 158+50 TO STA. 160+00 -L- LT

TRAFFIC DIAGRAM (IN HUNDREDS)
RANT DRUM RD: 340 / 410 — ADT 2017 / ADT 2037
-Y20-: 100 / 100 — 240 / 310
NC 16: 10,670 / 17,490 — -L-: 10,800 / 17,690

DETAIL I
SPECIAL CUT BASE DITCH
(Not to Scale)
Natural Ground, 3:1, d1, D, B, 4:1 or Flatter, Front Ditch Slope
Min. D=1.0 Ft.
Max. d=1.0 Ft.
B=3.0 Ft.
Type of Liner= PSRM
FROM STA. 146+50 TO STA. 150+75 -L- LT
FROM STA. 151+63 TO STA. 152+00 -L- LT

DETAIL G
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground, 3:1 or Flatter, d1, D, 4:1 or Flatter, Front Ditch Slope
Min. D=1.0 Ft.
Max d=1.0 Ft.
Type of Liner= PSRM
FROM STA. 11+85 TO STA. 12+66 -Y20- RT
FROM STA. 11+85 TO STA. 12+50 -Y20- LT

ELMER U & NANCY B BURKE DB 2592 PG 1644 PB 16 PG 265

106 JOHN W & ANNA P MULL DB 1367 PG 374

107 MELANIE S. WHITENER DB 3227 PG 74-76

105 AARON T & KRISTY H BURKE DB 1947 PG 1057 DB 2013 PG 1540 PB 16 PG 265

ELMER U & NANCY B BURKE DB 1988 PG 1011 PB 16 PG 265

110 JOHN WALTER WILKINSON DB 2893 PG 1248

111 MICHAEL L & DEBRA C GILBERT DB 1476 PG 447

113 MAXINE WILKINSON BUMGARNER DB 2634 PG 1271

102 ELMER U & NANCY B BURKE DB 1477 PG 266 DB 1549 PG 333

108 MELANIE WHITENER DB 3227 PG 74-76

109 ELMER U & NANCY B BURKE DB 2592 PG 1644 DB 2602 PG 1 PB 16 PG 265

112 DAVID E & FAYE B JOHNSON DB 1560 PG 127 PB 23 PG 164

114 DAVEY ANDREW BUMGARNER DB 1560 PG 125 PB 23 PG 164

-L- POT Sta. 151+02.30
-Y20- POT Sta. 13+45.00

BEGIN CONSTRUCTION
-Y20- POT Sta. 11+50.00

-Y20- POT Sta. 10+00.00

BM#16 -BL-
STA 352+13 175'RT
ELEV.=938.35'

DETAIL Y
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow, 20:1, 10:1, 2', 0.5' Min. 1.0' Max., GI etc., S
S=Ditch Slope
℄ Proposed Ditch
STA 152+17 -L- LT
STA 159+22 -L- LT

DETAIL Z
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow, 10:1, 20:1, 2.0', 0.5' Min. 1.0' Max., GI etc., S
S=Ditch Slope
℄ Proposed Ditch
STA 149+13 -L- RT
STA 150+95 -L- RT
STA 152+14 -L- RT

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

5/4/22 AM
R:\Projects\R3100A_rdy_psh14.dgn
jgoforth