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PROJECT REFERENCE NO.	SHEET NO.
U-2412A	17
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 27391 ENGINEER MICHAEL R. PEARSON
4/24/2018

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JESSICA N. GRAY
4/24/2018

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
LICENSE NO. F-0669

SUNGATE DESIGN GROUP, P.A.
909 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL: (919) 859-2243
ENG FIRM LICENSE NO. C-890

8/17/99

MATCHLINE SEE SHEET 24 -Y10- STA 16+50.00

MATCHLINE SEE SHEET 16 -L- STA 180+00.00

MATCHLINE SEE SHEET 18 -L- STA 193+50.00

MATCHLINE SEE SHEET 24 -Y10- STA 25+65.00

-L- SC Sta. 186+70.08

-L- TS Sta. 184+45.08

-L- POT Sta. 181+66.05

-Y10- POT Sta. 21+31.85

-Y10- PC Sta. 22+87.21

-Y10- POC Sta. 24+65.00

-Y10B- POT Sta. 10+00.00

-Y10B- POT Sta. 12+50.00 END PAVING

-Y10B- POT Sta. 12+65.00 END CONSTRUCTION

-Y10- PT Sta. 25+34.65

-Y10- HARVEY RD.

EST. 2018/2038 TRAFFIC VOLUMES

-L- SR 4121

NAD 83/95

BM 13

SPECIAL LAT. 'V' DITCH LINED W/CLASS 'B' RIP RAP STA. 16+60 TO 17+00 -Y10- RT EST 14 TONS EST 42 SY GEO SEE DETAIL #3 SEE SHEET 2D-1 EST DDE=20 CY

LAT. 2' BASE DITCH W/5' BERM LINED W/CLASS 'B' RIP RAP STA. 17+00 TO 18+75 -Y10- RT SEE DETAIL #4 SEE SHEET 2D-1 EST 78 TONS EST 222 SY GEO EST DDE=100 CY

CLASS 'B' RIP RAP EST 5 TONS EST 14 SY GEO

COLLAR AND EXTEND CLASS 'II' RIP RAP (BANKS ONLY) EST 13 TONS EST 30 SY GEO SEE DETAIL #25 SEE SHEET 2D-1

REMOVE EW

THE BOBBY CARROL AUMAN FAMILY FARM DEVELOPMENT, LLC DB 7747 PG 2683

B. STEVEN AUMAN DB 4716 PG 594 PB 119 PG 19

KIMBERLY S. FALSON- FLEMMING ERIC H. FLEMMING DB 7536 PG 30

MICHAEL ALAN BRYANT JOHNNIE S. BRYANT DB 2645 PG 859

MICHAEL ALAN BRYANT JOHNNIE S. BRYANT DB 2842 PG 626

CALVIN W. KOONTZ MINNIE P. KOONTZ DB 2945 PG 168

LAT. 3' BASE DITCH W/5' BERM LINED W/CLASS 'B' RIP RAP STA. 15+75 TO 19+40 -Y10- LT SEE DETAIL #18 SEE SHEET 2D-1 EST 264 TONS EST 685 SY GEO

2' BASE DITCH W/COIR FIBER MATTING SEE DETAIL #17 SEE SHEET 2D-1 EST DDE 8 CY EST 20 SY

CLIFTON PARK HOMEOWNERS ASSOCIATION, INC. DB 5043 PG 475 PB 123 PG 21

CHANNEL GRADE TO BE FIELD ADJUSTED AND APPROVED BY ENGINEER BASED ON EXSITNG BED ELEVATIONS AFTER POND IS DRAINED.

GUILFORD COUNTY BOARD OF EDUCATION DB 6424 PG 2490

2' BASE CHANNEL W/ COIR FIBER MATTING GRADE = 3.88% SEE DETAIL #17 SEE SHEET 2D-1 EST DDE=1200 CY EST 750 SY

CL I RIP RAP EST 4 TONS EST 12 SY GEO

DRAWDOWN STRUCTURE W/TRASH RACK SEE DETAILS 26 & 27 SEE SHEETS 2D-2 & 2D-3 HSB #10 (DRY DETENTION BASIN) -BL-185

END CHANNEL INV. ELEV=802.0

CLASS 'I' RIP RAP EST 2 TONS EST 8 SY GEO

SHOULDER BERM GUTTER STA. 188+95 TO 194+25 -L- LT

47 WW FENCE

DO NOT BURY INVERT

2GI W/ FLAT GRATE

GREU TL-3

TOE PROTECTION W/ CLASS 'B' RIP RAP STA. 189+00 TO 191+00 -L- RT EST 115 TONS EST 209 SY GEO SEE DETAIL #2 SEE SHEET 2D-1

22' PAVED PATH

NCDOT DB 7740 PG 1805 DB 7621 PG 1868

NCDOT DB 7396 PG 1524

NCDOT DB 7396 PG 1527

FRANCES A. BOYLES LIVING TRUST DB 7454 PG 437

MINNIE R. TOWNSEND LIFE ESTATE SHARON TOWNSEND PARKS, DEBRA TOWNSEND BLACKMON DB 7466 PG 2440

JOHN S. & ROSE M. MULESHE DB 6309 PG 1202 PB 40 PG 32

PANSY CROUSE THOMAS DB 3938 PG 2065 PB 40 PG 32

-Y10-
PI Sta 24+10.97
Δ = 3° 32' 39.5" (RT)
D = 1° 25' 56.6"
L = 247.44'
T = 123.76'
R = 4,000.00'
SE = 03
DS = 50 mph

-L-
PIs Sta 185+95.08
Θs = 1° 36' 41.2"
Ls = 225.00'
LT = 150.01'
ST = 75.01'

PI Sta 194+11.27
Δ = 20° 59' 43.9" (LT)
D = 1° 25' 56.6"
L = 1,465.77'
T = 741.20'
R = 4,000.00'
SE = 04
DS = 60 mph

★ PROP. TRAFFIC SIGNAL

-L- PFL SEE SHEET 31
-Y10- PFL SEE SHEET 39
-Y10B- PFL SEE SHEET 38

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