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8/17/99

Prepared by
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TELEPHONE (919) 461-1100 FAX (919) 461-1415
NC LICENSE # C-2243

PROJECT REFERENCE NO.	SHEET NO.
R-3825B	19
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 18470 ENGINEER EDWARD GLENN EDENS JR.
DocuSigned by: Edward Glenn Edens Jr.
8/9/2018

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037863 ENGINEER IRENE D. BUSCEMI
DocuSigned by: Irene D. Buscemi
8/9/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

SEE SHEET 18

MATCHLINE -L- STA. 203+00.00 SEE SHEET 20

MATCHLINE -L- STA. 216+00.00 SEE SHEET 20

(84) PAMELA DENISE FLOWERS
DB 4142 PG 606
PB 65 PG 473

(88) LARRY B SWANEY AND WIFE LYNN R SWANEY
DB 4273 PG 520
PB 77 PG 402

(90) CHRISTOPHER M FORD AND WIFE MELANIE P FORD
DB 4048 PG 246
PB 69 PG 222

(89) COUNTY OF JOHNSTON
DB 3961 PG 875
PB 69 PG 302

THOMAS M PROPPS AND WIFE CYNTHIA J PROPPS
DB 4456 PG 675
PB 69 PG 222

(91) JAMES M WILCOX AND WIFE ELAINE B WILCOX
DB 3662 PG 406
PB 69 PG 222

(92) RAYMOND B WORTHINGTON AND WIFE PEBBLES L WORTHINGTON
DB 4150 PG 945
PB 69 PG 222

WILLIAM B GATEWOOD, JR
DB 4548 PG 827
PB 69 PG 222

(93) RICHARD M PREUSS AND WIFE LOUISE F MAISENHALDER
DB 3862 PG 861
PB 69 PG 221

(94) DWF DEVELOPMENT INC
DB 3166 PG 692
PB 79 PG 472

(87) REBECCA D. FLOWERS
DB 1789 PG 784
PB 69 PG 220 PB 68 PG 54

(87A) REBECCA D. FLOWERS
DB 1789 PG 784
PB 69 PG 220 PB 68 PG 54

(95) PEGGY ANN FLOWERS
DB 3081 PG 221
PB 65 PG 346

(87) REBECCA D FLOWERS
DB 1789 PG 784
PB 68 PG 398

-L- NC 42
PI Sta 210+10.60
△ = 1° 40' 46.0" (RT)
D = 0° 14' 38.4"
L = 688.32'
T = 344.18'
R = 23,482.50'
e = NC

-DRW12- POT Sta. 10+00.00 = -L- POC Sta. 212+94.21

POT Sta. 11+63.35

PI Sta. 10+74.48

PC Sta. 206+66.42

PT Sta. 213+54.14

205+00 210+00 215+00

EXISTING R/W

EX 70' BUFFER EASEMENT PB 69 PG 220

EX 20' ACCESS EASEMENT PB 69 PG 220

EST 5 TONS CLASS B RIP RAP
EST 14 SY GEOTEXTILE

SPECIAL CUT DITCH SEE DETAIL 92

REMOVE

REMOVE HW

FILL W/FLOWABLE FILL

24" VELOCITY STEEL TRENCHLESS INSTALLATION

1'-6" C&G

DATUR

BILLBOARD

PROPOSED 80' R/W

4' LATERAL BASE DITCH W/CLASS I RIP RAP
EST. 175 TONS CLASS I RIP RAP
EST. 297 SY GEOTEXTILE
SEE DETAIL 85

BERM V-DITCH SEE DETAIL 82

BERM V-DITCH W/CLASS B RIP RAP
EST. 81 TONS CLASS B RIP RAP
EST. 180 SY GEOTEXTILE
SEE DETAIL 91

BERM V-DITCH SEE DETAIL 45

SPECIAL CUT DITCH W/HINGE SEE DETAIL 94

SPECIAL CUT DITCH SEE DETAIL 44

100' MEDIAN LANE TRANSITION

-DRW11- N 78° 55' 54.5" E -L-

N 80° 36' 40.5" E

N 61°00'21" E 131.50'

N 51°53'32" E 290.16'

S 10° 04' 18" W 114.00'

S 53°43'28" E 104.01'

S 53°24'05" E 110.49'

N 20°22'26" E 58.61'

S 36°29'27" E 229.74'

S 45°58'20" W 232.36'

S 13°36'39" E 205.16'

S 34°56'29" E 230.51'

S 05°01'13" E 219.87'

S 07°00'48" W 308.25'

N 59°01'18" E 57.05'

58°16'21" E 366.42'

S 32°11'11" E 83.06'

N 80°43'44" E 13.35'

N 80°54'24" E 195.08'

N 80°51'53" E 77.18'

N 79°31'51" E 46.66'

N 79°17'55" E 150.76'

N 78°55'44" E 123.59'

N 78°55'44" E 149.56'

N 78°55'44" E 81.81'

S 22°41'19" E 79.84'

S 79°57'35" W 95.00' LT 80.00' LT

S 78°50'28" W 61.09'

N 00°30'34" E 45.61'

N 00°30'34" E 78.57'

N 56°52'20" E 40.99'

S 32°27'00" W 236.37'

-L- +14.49

-L- +63.00 111.00' LT

-L- +66.00 80.00' LT

-L- +83.00 113.00' LT

-L- +87.00 80.00' LT

-L- +00.00 80.00' LT

-L- +00.00 90.00' LT

-L- +45.00 80.00' LT

-L- +76.71 80.00' LT EX. R/W

-L- +95.00 EX. R/W 100.00' LT

-L- +10.00 100.00' LT 110.00' LT

-L- +30.00 EX. R/W 100.00' LT

-L- +75.00 110.00' LT 95.00' LT

-L- +60.00 85.00' LT

-L- +50.00 120.00' RT

-L- +45.00 80.00' RT 98.00' RT

-L- +87.00 98.00' RT 113.00' RT

-L- +09.00 98.00' RT 111.00' RT

-L- +48.00 80.00' RT 98.67' RT 120.00' RT

-L- +66.42 80.00' RT

-L- +40.00 105.00' RT

-L- +25.00 115.00' RT

-L- +65.00 80.00' RT 100.00' RT

-L- +54.74 80.00' RT

-L- +38 END SBG

CAT-1

8" PS

8" PL

12" PVC

36" STR PIPE

36" VINYL

24" RCP

15"

2GI

2GI-D

FS

BDO

DUE

PUE

PDE

WOODS

TV

FO

BM#11

DETAIL 85
LATERAL BASE DITCH
(Not to Scale)
Natural Ground
Fill Slope
GEOTEXTILE
b
1' Ft.
d
B
Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
B = 4 Ft.
b = 5 Ft.
*When B is < 6.0' EST. DDE=300 CY
Type of Liner = Class I Rip-Rap
FROM -L- STA. 202+22 RT TO -L- STA. 204+50 RT

DETAIL 45
BERM DITCH
(Not to Scale)
SLOPE STAKE
CLEARING LIMITS
5.0' 9' 6' 5.0'
3:1 3:1 MAX
10.0' V.C.
D
Min. D = 1 Ft.
FROM -L- STA. 210+70 RT TO -L- STA. 212+50 RT

DETAIL 82
BERM DITCH
(Not to Scale)
SLOPE STAKE
CLEARING LIMITS
5.0' 6.0' 3.0' 5.0'
3:1 3:1
10.0' V.C.
D
Min. D = 1 Ft.
FROM -L- STA. 206+50 RT TO -L- STA. 208+22 RT

DETAIL 91
BERM DITCH
(Not to Scale)
SLOPE STAKE
CLEARING LIMITS
5.0' 6.0' 3.0' 5.0'
3:1 3:1
10.0' V.C.
D d
Geotextile
Type of Liner = Class B Rip Rap
Min. D = 1 Ft.
Max. d = 1 Ft.
FROM -L- STA. 208+22 RT TO -L- STA. 210+70 RT

DETAIL 92
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
Front Ditch Slope
6:1 6:1
D
Min. D = 1 Ft.
FROM -L- STA. 208+07 LT TO -L- STA. 208+50 LT

DETAIL 44
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
Front Ditch Slope
6:1 3:1
D
Min. D = 1 Ft.
FROM -L- STA. 214+00 RT TO -L- STA. 215+50 RT

DETAIL 93
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
Front Ditch Slope
3:1 1:1
D
Min. D = 2 Ft.
FROM -L- STA. 204+05 LT TO -L- STA. 204+50 LT

DETAIL 94
SPECIAL CUT V-DITCH wHINGE
(Not to Scale)
Natural Ground
4.0'
2:1 4:1
D
6:1
Front Ditch Slope
Min. D=1 Ft.
FROM -L- STA. 213+07 RT TO -L- STA. 214+00 RT

FOR -L- PROFILE SEE SHEET 31
FOR -DRW11- PROFILE SEE SHEET 39
FOR -DRW12- PROFILE SEE SHEET 39

8/9/2018
H:\Highway\Projects\R3825b_rdy_psh19.dgn
tmuthiah