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8/17/99

Prepared by
URS
URS Corporation – North Carolina
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
TELEPHONE (919) 461-1100 FAX (919) 461-1415
NC LICENSE # C-2243

PROJECT REFERENCE NO.	SHEET NO.
R-3825B	23
R/W SHEET NO.	

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

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y13- BUFFALO RD

PI Sta 11+82.97
△ = 3° 02' 15.7" (RT)
D = 0° 49' 49.1"
L = 365.85'
T = 182.97'
R = 6,900.57'

PI Sta 18+39.59
△ = 0° 04' 19.2" (RT)
D = 0° 00' 27.4"
L = 947.47'
T = 473.74'
R = 753,976.63'
e = NC

NAD 83/2011

BEGIN CONSTRUCTION
-Y13- POC Sta. 14+83.74

(107) REBECCA D FLOWERS
DB 1247 PG 634

-Y13- +83.74
47.50' LT & EXIST R/W

600' LANE DROP

-Y13- +00.00
47.50' LT
55.00' LT

RETAIN EX. ISLAND IN DRIVE

-Y13- +00.00
60.00' LT

100' MEDIAN LANE TRANSITION

+58.24
2' R

EXISTING R/W

-Y13-

EX .033
EX .02
20'
37.77'
37.79'
MATCH EXIST.

2302

2303

REMOVE

2'-6" C&G

18" RCP-IV

COLLAR

CB

RETAIN

RETAIN EXIST. CURB & GUTTER

-Y13- +60.00
EX.R/W
85.00' RT

-Y13- +40.02
85.00' RT

150' RT EOP TAPER

50' R
+74.18

-Y13- +47.00
62.00' RT

-Y13- +72.00
49.00' RT
EX.R/W

54.72'
104.72'

5" MONOLITHIC ISLAND

-Y13- +10.00
49.00' RT
66.00' RT

RETAIN
-Y13- +56.00
49.00' RT

100' RIGHT LANE TRANSITION

33.74'

(117) FPC MENAGERIE OUTLOT, LLC
DB 4607 PG 449
PB 81 PG 36

N 80°09'52" E

N 09°40'07" W
133.00'

S 80°09'52" W

PRC Sta. 13+65.85

(116) FPC PHASE 1 LLC
DB 4377 PG 511
PB 79 PG 21

(103) FLOWERS PLANTATION COMMERCIAL, LLC
DB 4121 PG 898
PB 79 PG 130

S 09°27'28" E
143.20'

MATCHLINE -Y13- STA. 19+00.00 SEE SHEET 22

MATCHLINE -Y13- STA. 28+00.00 SEE SHEET 22

POND
WE=286.0

(113) REBECCA D FLOWERS
DB 1235 PG 444

(113) REBECCA D FLOWERS
DB 1789 PG 784

-Y13- BUFFALO RD

PI Sta 31+24.97
△ = 8° 37' 25.4" (LT)
D = 1° 38' 47.1"
L = 523.78'
T = 262.39'
R = 3,480.00'
e = 3%
Runoff = PC 138'
Runoff = PT 108'

PI Sta 36+48.41
△ = 4° 54' 58.8" (LT)
D = 1° 43' 03.0"
L = 286.25'
T = 143.21'
R = 3,336.00'
e = 3% / MATCH EXIST.
Runoff = 108'

S 06°01'23" E
700.98'

SPECIAL ROADWAY DITCH SEE DETAIL 106

SPECIAL LATERAL V-DITCH SEE DETAIL 101

(112) REBECCA D FLOWERS
DB 1789 PG 784

150' TRANSITION LT TURN LANE

-Y13- +63.00
60.00' LT

-Y13- +50.00
75.00' LT

200' TRANSITION LANE SHIFT RT & LT

-Y13- +35.00
60.00' LT

-Y13- +80.00
EX.R/W

-Y13- +00.00
50' LT

46' INC (TYP.)

2309

2308

2307

2306

2305

2304

2311

2312

+28.81

+30.81

+50.83

+70.00

2CI

GRADE TO DRAIN

15" RCP-IV

2'-6" C&G

CB

DI

-Y13-

-Y18-

2310

PUE

40 SY PSRM

-Y13- +52.00
62.00' RT

-Y13- +62.58
50.00' LT

-Y13- 29+01.00
62.00' RT

SPECIAL ROADWAY DITCH SEE DETAIL 106

SPECIAL LATERAL V-DITCH SEE DETAIL 101

SPECIAL ROADWAY DITCH SEE DETAIL 107

-Y13- +05.00
55.00' LT

-Y13- +80.00
55.00' LT

-Y13- +82.00
72.00' RT
62.00' RT

SPECIAL LATERAL V-DITCH SEE DETAIL 101

-Y13- +00.00
75.00' LT

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

-Y13- +75.00
75.00' LT

-Y13- +00.00
50.00' LT

-Y13- +24.00
50.00' RT

-Y13- +05.00
72.00' RT

-Y13- +86.00
50.00' LT

-Y13- +05.00
50.00' LT

END CONSTRUCTION
-Y13- POC Sta. 35+70.00

PT Sta. 33+86.36

PC Sta. 35+05.20

150' TRANSITION

-Y13- +70.00
EX.R/W

WOODS

EXISTING R/W

12" PVC.W

36" INC (TYP.)

15"

S 20°51'25" E
120.24'

TIE BACK TO EXISTING DITCH

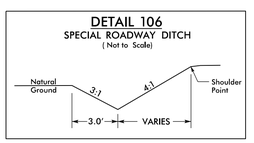
48" VINYL

BY12-156

PRC Sta. 28+62.58

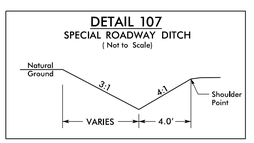
(100) REBECCA D FLOWERS
DB 1247 PG 634

DETAIL 106
SPECIAL ROADWAY DITCH
(Not to Scale)



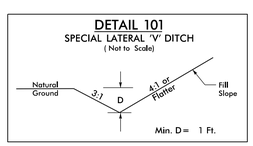
FROM -Y13- STA. 29+00 RT TO -Y13- STA. 29+50 RT
FROM -Y13- STA. 30+50 RT TO -Y13- STA. 34+00 RT
FROM -Y13- STA. 28+15 LT TO -Y13- STA. 29+00 LT

DETAIL 107
SPECIAL ROADWAY DITCH
(Not to Scale)



FROM -Y13- STA. 31+50 LT TO -Y13- STA. 32+00 LT

DETAIL 101
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



FROM -Y13- STA. 29+50 RT TO -Y13- STA. 30+50 RT
FROM -Y13- STA. 34+00 RT TO -Y13- STA. 36+96 RT
FROM -Y13- STA. 29+00 LT TO -Y13- STA. 29+25 LT
FROM -Y13- STA. 32+00 LT TO -Y13- STA. 33+16 LT

S 30°06'00" E
195.10'

S 80°23'05" W
316.15'

FOR -Y13- PROFILE SEE SHEET 37

8/9/2018
R:\Projects\R3825b_rdy_psh23.dgn
tmwalker