5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-5935	EC-20/CONST.09
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Michael Baker Engineering, Inc. Michael Baker INTERNATIONAL 8000 Regency Pkwy Suite 600 Cary, NC 27518 NC License: P-1084
ECOLOGICAL ENGINEERING NC FIRM LICENSE No:C-1141 1751 SE Cary Parkway Suite 110 Cary, NC 27518 (919) 557-0929

-L- (US 301), (MARLOW ST.)

17,700 / 2,200
1,400 / 1,800 — 100 / 100
18,200 / 23,300 — -L- — 16,700 / 21,400
500 / 600 — 300 / 400
2016 AADT 2041
1,000 / 1,300

-L- (US 301), -EY17- (WARD BLVD. & LIPSCOMB RD.)

11,300 / 14,500
-EY17-
4,000 / 5,100 — 1,600 / 2,100
16,700 / 21,400 — -L- — 15,100 / 19,400
1,400 / 1,800 — 2,200 / 2,800
-EY17-
2016 AADT 2041
9,300 / 11,900

NOTES: ALTERNATIVE INLET PROTECTION DEVICES ARE ALLOWED PER DIRECTION OF THE ENGINEER.

MATCH LINE -EY17- STA. 40+00.00 SEE SHEET 11

MATCH LINE -L- STA. 76+00.00 SEE SHEET 8

BREWCO ENTERPRISES INC
PLAINS COASTAL PROPERTIES LLC
MCDONALDS REAL ESTATE COMPANY
WILSON COMMUNITY COLLEGE
GURDIAL SINGH
WW BLAKE
FIKEWOOD RETAIL LLC
FIKEWOOD RESTAURANT LLC
WILSON 301 LLC
A E COX PROPERTIES LLC

-L- POT Sta. 86+01.40 = -EY17- PC Sta. 44+73.19

END TIP U-5935
-L- POT Sta. 87+55.00

S 52° 43' 02.0" E

N 25° 32' 26.9" E -L-

-EY17- PC Sta. 45+29.59

-EY17-
PI Sta 46+56.28
Δ = 9° 55' 08.0" (RT)
D = 3° 55' 27.7"
L = 252.75'
T = 126.69'
R = 1,460.00'

-EY17- PT Sta. 47+82.34

MATCH LINE -EY17- STA. 48+00.00 SEE SHEET 13

FOR -L- PROFILE SEE SHEET 20

+10.00 -L- 100.47' RT
+15.00 -L- 135.00' RT
+70.00 -L- 100.31' RT
+72.00 -L- 126.00' RT

REMOVE +/- 25' OF EX. 15" RCP EX. PIPE TO OUTLET INTO PROPOSED TAIL DITCH

TAIL DITCH W/CLASS I RIP RAP EST DDE= 210 CY EST 90 TONS EST 140 SY GEOTEXTILE SEE DETAIL 5

REMOVE +/- 50' OF EX. 36" RCP

DETAIL 5
STANDARD BASE DITCH
(Not to Scale)

Natural Ground — 2:1 — D — 2:1 — Natural Ground
d
Geotextile — B
Min. D= 5.4 Ft.
Max. d= 5.4 Ft.
B= 5 Ft.
*When B is < 6.0'
Type of Liner= CLASS I Rip-Rap

☆ = REVISED SIGNAL

3:20:15 PM
\Environmental\Design\U-5935_REU_PSH_09_FINAL.dgn
brandonhelton