MULKEY
ENGINEERS & CONSULTANTS
PO Box 33187
Raleigh, N.C. 27636
(919) 851-1912
(919) 851-1918 (FAX)
WWW.MULKEYINC.COM

PROJECT REFERENCE NO.	SHEET NO.
B-3375	5

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 25005 ENGINEER JENNIFER SUMMERLIN FLEMING
12-17-04

HIGHWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 19563 ENGINEER ANTHONY SCOTT HAYES
12-17-04

REVISIONS

MATCHLINE TO SHEET 4 -L- STA. 45+50

-L- PC 46+15.66

-L- PC 48+95.00

-L- PC 50+95.00

-L- PC 52+95.00

-L- PC 54+10.00

-L- PC 55+10.00

-L- PC 56+22.17

-L- PT 56+72.17
END PROJECT B-3375

-L- POC 58+00

-L- POC 57+07
END CONSTRUCTION

PI Sta 51+21.50
Δ = 14° 10' 09.4" (RT)
D = 1° 24' 27.9"
L = 1,006.51'
T = 505.84'
R = 4,070.00'
SE = NC

PI Sta 56+47.17
Δ = 0° 42' 34.3" (RT)
D = 1° 25' 08.6"
L = 50.00'
T = 25.00'
R = 4,037.63'
SE = NC TO EXISTING

B3375-5
-BL- PINC 35+24.78 =
-L- POC 51+95.50 (25.72 LT)

NAD 83
NC GRID

1 CITY OF RALEIGH
DB 3905 PG 795

4 CITY OF RALEIGH
DB 1247 PG 507

5 EMILY S. NORRIS
BM 1979 PG 315

6 NORMA S. WILSON
DB 2308 PG 673

7 WALLACE K. RENFROW
DB 5444 PG 677

7A WALLACE K. RENFROW
DB 6375 PG 477

7B WALLACE K. RENFROW
DB 5444 PG 677

9 PANNKUK CONSTRUCTION INC.
DB 1472 PG 450

10 SOUTH FORK INC.
DB 5481 PG 733
BM 1995 PG 545

11 PATSY H. RAY
DB 4561 PG 699
BM 1954 PG 06

12 EMILY S. NORRIS
WILL 71-E-454
BM 1953 PG93

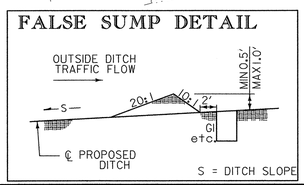
13 TERRY D. MANGUM, ET UX
DB 6369 PG 143
BM 1954 PG 06

PEGGY ANN WILLIAMS
DB 1786 PG224
BM 1954 PG 06

SUSAN A. PERRY
DB 5582 PG 209
BM 1993 PG 193

FALSE SUMP

FALSE SUMP DETAIL



PROPOSED GRADE
EXISTING GRADE
PVC 48+95.00 EL = 315.53'
PI = 50+95.00 EL = 329.11' VC = 400' K = 190' DS = 70 mph
(+)1.7896%
(+)4.6806%
(+)0.86%
BEGIN SP DITCH RT STA 51+50.00 (RT) EL = 327.37'
STA 52+00.00 (RT) EL = 327.8'
(+)5.13%
STA 53+50.00 (RT) EL = 335.5'
PVT 52+95.00 EL = 338.47'
PI = 54+60.00 EL = 346.19' K = 170 VC = 100' DS = 60 mph
PVC 54+10.00 EL = 343.85'
(+)5.00%
STA 55+00.00 (RT) EL = 343.0'
PVT 55+10.00 EL = 348.24'
(+)4.0919%
(+)3.90%
END SP DITCH RT STA 55+30 (RT) EL = 344.17'
END GRADE STA 56+22.17 LB EL = 352.83' (INCLUDES 3" RESURFACING)
BLEND TO EXISTING
END CONSTRUCTION STA 56+72.17

370 360 350 340 330 320 310 300 290 280

45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00

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