PROJECT REFERENCE NO.	SHEET NO.
U-5724	EC-17/CONST.10

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P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

REVISIONS

5/14/99

NAD 83/NA 2011

KENNETH N FALLIN & MARY SUE FALLIN
DB 1705 PG 671
PB M PG 221

TRUSTEES OF ADAMSVILLE BAPTIST CHURCH
DB 1142 PG 462
PB D PG 373

BERKELEY REALTY ASSOCIATE LLC
DB 2677 PG 861
PB M PG 471

AKO PROPERTIES
DB 3400 PG 145
PB E PG 27

JUDITH D MCMILLEN
DB 2375 PG 59
PB D PG 373

DONNA KEARNEY BEARD
DB 16E PG 752
PB D PG 373

LARRY E COKER
DB 794 PG 22
PB D PG 373

BERKELEY PLACE APARTMENTS LLC
DB 2644 PG 744
PB M PG 22J

KENNETH N FALLIN & MARY SUE FALLIN
DB 1705 PG 671
PB M PG 22J

-Y1- US 13 (BERKELEY BLVD)
N 50° 46' 37.6" E

-Y2- FALLIN BLVD
N 42° 32' 50.2" W

-Y2- N 38° 21' 16.9" W

HILL DRIVE CIRCLE

STA 43+00 (SEE SHEET EC-14/CONST.7)

MATCHLINE -Y2- (SEE SHEET EC-14/CONST.7)

45+00

50+00

120' x 30' x 3'
1.5 inch Skimmer
with 1.75 inch
Orifice Diameter
14 ft. weir
ID 19.1

Temporary Rock Silt Check Type A 4.0 ft. weir height

Temporary Rock Silt Check Type A 3.0 ft. weir height

Temporary Rock Silt Check Type A 3.0 ft. weir height

GRASS SWALE DATA
DA= 9.7 AC
SLOPE= 0.10%
L REQ.= 973 FT
L PRO.= 1928 FT
Q2= 18.9 CFS
V2= 1.4 FPS
D2= 1.78 FT
Q10= 24.3 CFS
V10= 1.4 FPS
D10= 1.99 FT
OUTFALL AT -Y2- STA. 45+45 LT

GRASS SWALE DATA
DA= 1.1 AC
SLOPE= 0.3%
L REQ.= 112 FT
L PRO.= 246 FT
Q2= 3.6 CFS
V2= 1.4 FPS
D2= 0.94 FT
Q10= 4.7 CFS
V10= 1.5 FPS
D10= 1.03 FT
OUTFALL AT -Y2- STA. 45+60 LT

F-F
STA 53+96
-Y2- LT
23'
3' 3'
10'
0.3' WATER DEPTH
PIPE BURIED 1'
VEGETATED BANKS
GOOD CONDITION

GRASS SWALE DATA
DA= 0.3 AC
SLOPE= 0.5%
L REQ.= 32 FT
L PRO.= 48 FT
Q2= 1.1 CFS
V2= 1.2 FPS
D2= 0.55 FT
Q10= 1.4 CFS
V10= 1.3 FPS
D10= 0.6 FT
OUTFALL AT -Y2- STA. 53+88 LT

GRASS SWALE DATA
DA= 0.7 AC
SLOPE= 0.5%
L REQ.= 69 FT
L PRO.= 134 FT
Q2= 2.4 CFS
V2= 1.5 FPS
D2= 0.74 FT
Q10= 3.1 CFS
V10= 1.6 FPS
D10= 0.81 FT
OUTFALL AT -Y2- STA. 54+05 LT

GRASS SWALE DATA
DA= 2.4 AC
SLOPE= 0.10%
L REQ.= 236 FT
L PRO.= 792 FT
Q2= 4.2 CFS
V2= 0.9 FPS
D2= 1.22 FT
Q10= 5.35 CFS
V10= 0.99 FPS
D10= 1.34 FT
OUTFALL AT -Y2- STA. 44+25 RT

E-E
STA 43+86
-Y2- RT
23'
4' 4'
8'
2.5' WATER DEPTH
PIPE BURIED 0.6'
VEGETATED BANKS
GOOD CONDITION
CHANNEL SILTED IN

CONTRACTOR TO AVOID GAS LINE DURING CONSTRUCTION OF BASIN

SPECIAL 2.5' LATERAL 'BASE' GRASS SWALE. SEE DETAIL 15/SHEET 2D-1

REMOVE 60" RCP

SPECIAL LATERAL GRASS SWALE SEE DETAIL 18/SHEET 2D-1

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL 9/SHEET 2D-1 INSTALL CLASS 'I' RIP RAP OUTLET PROTECTION (BANKS ONLY) EST 135 TONS EST 140 SY GFD

BEGIN SPILL CURB -Y2- STA 51+50.90 LT

CLASS 'B' RIP RAP OUTLET PROTECTION EST 3 TONS EST 10 SY GFD

18" RCP-V

MIN. DEPTH CB

1@ 10' X 6' RCBC BURIED 1'

BEGIN SPILL CURB -Y2- STA 43+21.75 RT

SPECIAL LATERAL GRASS SWALE. SEE DETAIL 19/SHEET 2D-1

INLET CHANNEL IMPROVEMENTS SEE DETAIL 8/SHEET 2D-1 INSTALL CLASS 'I' RIP RAP PROTECTION (BANKS ONLY) EST 75 TONS EST 80 SY GFD

END SPILL CURB -Y2- STA 49+10.29 RT

RETAIN 15"

RETAIN CB AND TRENCH DRAIN

2@48" RCP-V (BURIED 10")

INLET CHANNEL IMPROVEMENTS SEE DETAIL 10/SHEET 2D-1 INSTALL CLASS 'I' RIP RAP PROTECTION (BANKS ONLY) EST 32 TONS EST 45 SY GFD

REMOVE 36" RCP'S AND CB'S

END CONSTRUCTION
-Y2- PT Sta. 56+08.25
END SPILL CURB -Y2- STA 56+08.25 LT

SPECIAL LATERAL GRASS SWALE SEE DETAIL 18/SHEET 2D-1

CLASS 'B' RIP RAP OUTLET PROTECTION EST 3 TONS EST 10 SY GFD

15" RCP-V

RETAIN REMOVE EX CB AND REPLACE WITH TBJB W/MH

30" RCP-V

TIE PROP CB INTO EX 30"

RETAIN REMOVE 15" AND DI

SPECIAL LATERAL 'V' DITCH SEE DETAIL 2/SHEET 2D-1

36 KENNETH N FALLIN & MARY SUE FALLIN DB 1705 PG 671 PB M PG 221

42 TRUSTEES OF ADAMSVILLE BAPTIST CHURCH DB 1103 PG 845

43 WILLIAM A HARRIS JR DB 748 PG 201 PB D PG 373

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