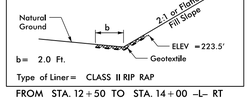
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-4830	EC-4/CONST.4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL 1
TOE PROTECTION
(Not to Scale)



b= 2.0 Ft.

Type of Liner= CLASS II RIP RAP

FROM STA. 12+50 TO STA. 14+00 –L– RT
FROM STA. 12+50 TO STA. 14+00 –L– LT
FROM STA. 16+50 TO STA. 17+20 –L– RT
FROM STA. 16+50 TO STA. 17+20 –L– LT

NAD 83 NSRS 2007

10+00

POT Sta. 10+00.00

15+00

20+00

POT Sta. 20+36.56

IMPERVIOUS DIKE (Both Phases)

BEGIN TIP PROJECT B-4830
-L- POT STA.12+30.00

END TIP PROJECT B-4830
-L- POT STA.17+85.00

(1) LINDA B. ALLEN DB 1464 PG 0-E-

(3) WAKE FOREST FORESTRY, LLC DB 914 PG 382

CENTERLINE OF CREEK IS COUNTY LINE

FRANKLIN COUNTY

WAKE COUNTY

N 22°48'23" W 66.52'

N 67°50'39" W 190.03'

TOE PROTECTION SEE DETAIL 1 EST 300 TONS EST 320 SY GEOTEXTILE

-L- +30 50' LT.& EXIST.R/W

-L- +50 60' & 50' LT.

-L- +75 60' & 50' LT.

ROCK PLATE FILL SLOPE TO SP FROM -L- STA. 14+00 TO STA. 14+64.88 RT & LT SEE SHEET 2G-1, DETAIL 2

TO DUKE ENERGY DB 5722 PG 340

-L- +00 60' & 50' LT.

ROCK PLATE FILL SLOPE TO SP FROM -L- STA. 16+00.13 TO STA. 16+50 RT & LT SEE SHEET 2G-1, DETAIL 2

TOE PROTECTION SEE DETAIL 1 EST 150 TONS EST 160 SY GEOTEXTILE

-L- +85 50' LT.& EXIST.R/W

-L- +25 60' & 50' LT.

15" RCP

CLASS B RIP RAP EST 1 TON EST 5 SY GEOTEXTILE

15" W/ELBOWS

INC=30' (TYP)

INC=20' (TYP)

BL-1

BL-2

BL-3

2' FDPS

-L-

50' TAPER LT.& RT.

-L- +30 50' RT.& EXIST.R/W

-L- +50 60' & 50' RT.

-L- +75 60' & 50' RT.

-L- +00 60' & 50' RT.

-L- +35 60' & 50' RT.

-L- +85 50' RT.& EXIST.R/W

TOE PROTECTION SEE DETAIL 1 EST 315 TONS EST 340 SY GEOTEXTILE

TOE PROTECTION SEE DETAIL 1 EST 125 TONS EST 135 SY GEOTEXTILE

CLASS B RIP RAP EST 1 TON EST 5 SY GEOTEXTILE

15" W/ELBOWS

BM =1

BM =2

BM =3

WOODS

EXISTING R/W

GUY

TO NC 39

NC 97 20'-26' BST

N 79° 32' 22.1" E

TO SR 1166 (BRANTLEY RD.)

MCI Communications Services Inc., FO

USGS 145 DRD BENCH MARK DISK IN TOP OF WINGWALL STAMPED ELV= 226.00' MEASURED ELV= 225.38'

S 36°16'38" E 10.74'

S 46°39'24" E 84.39'

S 29°05'45" E 54.39'

S 21°39'27" E 62.37'

S 67°59'30" E 50.73'

N 74°55'43" E 43.80'

N 76°11'09" E 47.68'

S 10°02'24" E 24.68'

S 00°13'55" W 46.25'

S 79°40'21" W 149.89'

S 10°04'43" E 149.99'

N 10°13'47" W 150.05'

TIMOTHY JOE HUFFMAN DB 1011 PG 379

(2) JOHN D. MUTER DB 11780 PG 1651

(4) TIDEWATER INVESTORS X, LLC DB 919 PG 382

NOTE:
UTILIZE SPECIAL STILLING BASIN WHERE APPLICABLE

23-JUN-2016 10:45
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arino AT REV 2.6.1.83