PROJECT REFERENCE NO.	SHEET NO.
U-5748	EC-17/CONST.4
R/W SHEET NO.	

Prepared in the Office of: AECOM — NC FIRM LICENSE No: F-0342, 5438 Wade Park Blvd., Suite 200, Raleigh, NC 27607, (919) 854-6200 - (919) 854-6259(FAX)

5/14/99

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS TYPE C IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

Place Matting for Erosion Control on Slope as Work Allows.
–L –Sta. 18+50 RT to Sta. 23+50 RT
–L– Sta. 19+50 LT to Sta. 23+50 LT
–L– Sta. 26+30 RT to Sta. 28+50 RT
–L– Sta. 26+30 LT to Sta. 30+00 LT

66' x 33' x 3' 1.5 inch Skimmer with 1.250 inch Orifice Diameter 8 ft. weir ID 4.3

90' x 44' x 3' 2.0 inch Skimmer with 1.75 inch Orifice Diameter 15 ft. weir ID 4.1

28' x 14' x 3' 1.5 inch Skimmer with 0.375 inch Orifice Diameter 4 ft. weir ID 4.2

50 25 0 50 100
PLANS

NAD 83 /NA 2011

MARY MURRAY
DB 12303 PG 95
MB 2003 PG 1404

MARK & DEBORAH
DB 8304 PG 17
MB 1978 PG 9

EDWIN & BEVERLY BLAND
DB 4100 PG 187
MB 1978 PG 930

CITY OF RALEIGH
DB 8644 PG 809
MB 2002 PG 23

CITY OF RALEIGH
DB 8644 PG 809
MB 1982 PG 146
MB 2002 PG 23

NEUSE CROSSING HOMEOWNERS ASSN INC.
DB 4718 PG 935
MB 1990 PG 627

NEUSE CROSSING HOMEOWNERS ASSN INC.
DB 6844 PG 756
MB 1992 PG 1333

CLARENCE & EUGENIA PLEASANT
DB 11505 PG 2551
MB 1998 PG 2236
MB 1999 PG 2226

ANABEL AREVALO
DB 6724 PG 441
MB 1985 PG 986
MB 2007 PG 2256
MB 2013 PG 1355

DETAIL 12
TOE PROTECTION
(Not to Scale)
Natural Ground; 2:1 or Flatter Fill Slope; b; d; Geotextile
d= 1 Ft.
b= 5 Ft.
Type of Liner= Class B Rip-Rap
FROM –L– STA. 22+30 LT TO –L– STA. 23+10 LT

DETAIL 35
BANK STABILIZATION
(Not to Scale)
3' min.; 1.0' min.; 2.0'; New Bridge Bent; Natural Ground; GEOTEXTILE
Type of Liner= 307 TONS CL II Rip-Rap Total
Geotextile= 310 sy Total
FROM –L– STA. 24+06 LT TO –L– STA. 24+32 LT
FROM –L– STA. 25+19 LT TO –L– STA. 25+56 LT
FROM –L– STA. 24+08 RT TO –L– STA. 24+32 RT
FROM –L– STA. 25+19 RT TO –L– STA. 25+64 RT

DETAIL 1
LATERAL BASE DITCH
(Not to Scale)
Natural Ground; 2:1; d; D; B; b; 1':1Ft.; Fill Slope; GEOTEXTILE
Min. D= 1.5 Ft.
Max. d= 1.5 Ft.
B= 2 Ft.
b= 5 Ft.
*When B is < 6.0'
Type of Liner= Class I Rip-Rap
FROM –L– STA. 25+98 RT TO –L– STA. 26+50 RT

DETAIL 24
LATERAL BASE DITCH
(Not to Scale)
Natural Ground; 2:1; d; D; B; b; 1':1Ft.; Fill Slope; GEOTEXTILE
Min. D= 1.5 Ft.
Max. d= 1.5 Ft.
B= 4 Ft.
b= 5 Ft.
*When B is < 6.0'
Type of Liner= Class I Rip-Rap
FROM –L– STA. 23+10 LT TO –L– STA. 23+50 LT

DETAIL 25
STANDARD BASE DITCH
(Not to Scale)
Natural Ground; 2:1; d; D; B; Geotextile
Min. D= 1 Ft.
Max. d= 1 Ft.
B= 2 Ft.
*When B is < 6.0'
Type of Liner= Class I Rip-Rap
FROM –L– STA. 22+18 RT TO –L– STA. 23+71 RT

DETAIL 21
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow; 20:1; 10:1; 2'; 0.5' Min. 1.0' Max.; GI etc.
S=Ditch Slope
℄ Proposed Ditch
–L– STA. 27+46 RT

-MUPI-
PI Sta 11+57.78
Δ = 3° 40' 59.4" (LT)
D = 57° 17' 44.8"
L = 6.43'
T = 3.22'
R = 100.00'

BM2 ELEVATION= 198.37'
N 777,257 E 2,110,288
BL STATION 88+29
OFFSET 220' RIGHT
RRSPIKE IN 11" OAK

FOR –L– PROFILE, SEE SHEET NO. 12

MATCHLINE –L– 30+00
SEE SHEET EC-05

5/14/99 9:54:04 AM
C:\Users\606097547\Documents\Ligon Mill\900-CAD GIS\910_CAD\70_NCDOT_TIP\Environmental\Design\U5748_EC_psh17_FG.dgn