WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
W-5600	EC-9/CONST.9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

BEGIN CONSTRUCTION
–Y4– STA. 10+75.00

END CONSTRUCTION
–SR1– STA. 67+00.00

NAD 83/NA 2011

MATCHLINE –L– STA. 73+00 SEE SHEET 8

MATCHLINE –L– STA. 86+00 SEE SHEET 10

72 x 30 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 9.03

50 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 9.01

44 x 22 x 3
1.5inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 9.06

30 x 14 x 3
1.5 inch Skimmer
with 0.50 inch
Orifice Diameter
4 ft. weir
ID 9.05

36 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 9.07

42 x 21 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 9.09

50 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 9.11

62 x 31 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 9.02

81 x 30 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
9 ft. weir
ID 9.12

Grass Steep Slopes 1.05 Ac
TOTAL 7.87 Ac

DOUBLE Z FARMS LIMITED PARTNERSHIP
DB 2001 PG 927

PATTIE B. PROCTOR
DB 699 PG 604

DANIELS LANDING LLC
DB 4719 PG 500
PB 69 PG 8

WORTH M. POUNDS
DB/565 PG/217

GRASS SWALE DATA
DA=2.22 ac.
SCOPE=0.3 %
L REQ=222 ft.
L PRO=690 ft.
Q2=8.2 cfs
V2=1.4 fps
D2=1.4 ft.
Q10=10.6 cfs
V10=1.5 fps
D10=1.5 ft.
STA. 76+78 –SR2– RT.

SC
Intermittent / No Buffers

SF
Perennial / No Buffers

SD
Intermittent / Buffers

CLEAN WATER DIVERSION
→→ CWD →→ CWD →→ CWD →→ CWD →→ CWD →→ CWD
(Not to Scale)

STABILIZE EXCAVATED MATERIAL
SOIL STABILIZATION GEOTEXTILE
OFFSITE CLEAN WATER
1' MIN.
1' MIN.