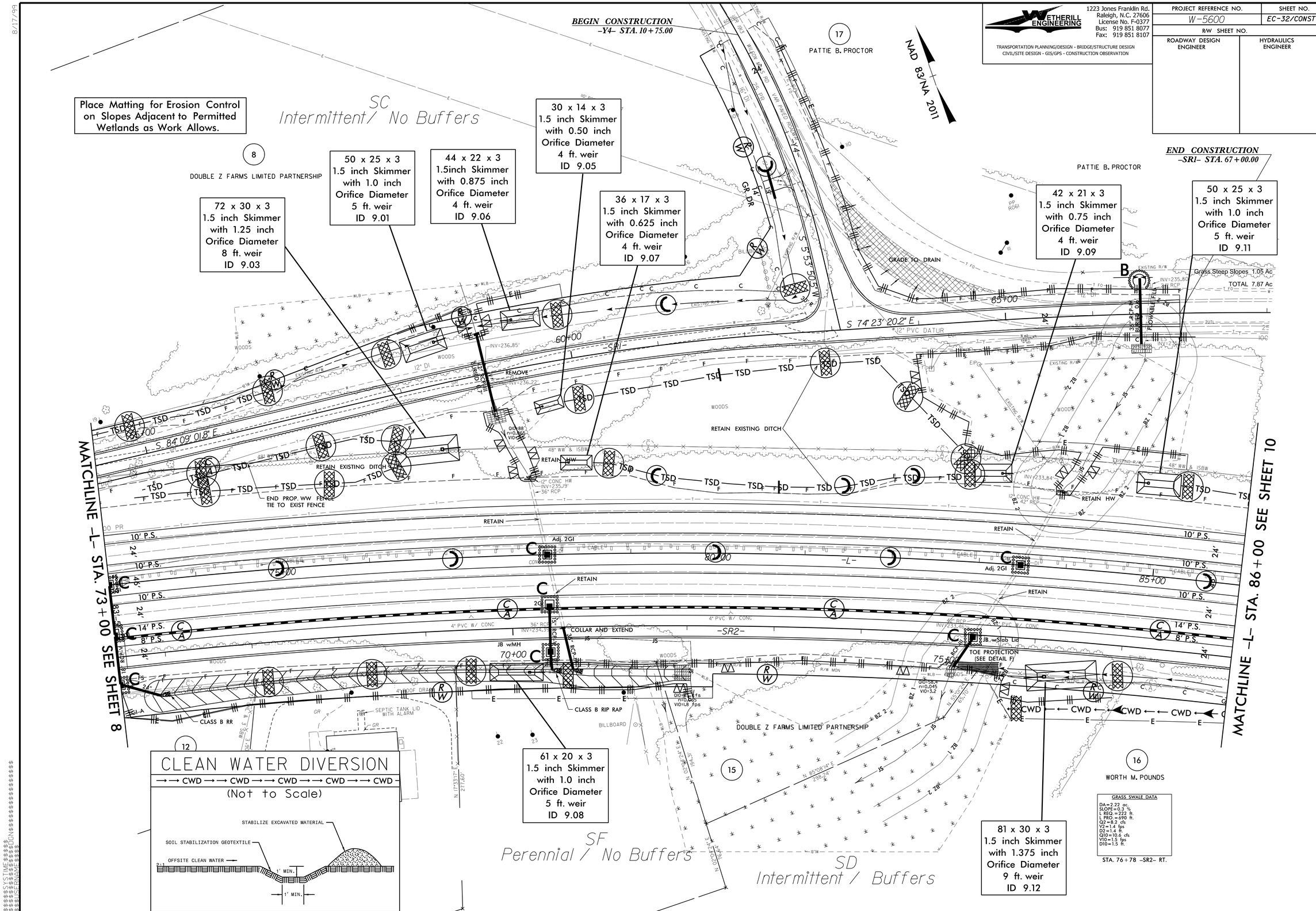

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION
PROJECT REFERENCE NO.
W-5600
SHEET NO.
EC-32/CONST.9
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
BEGIN CONSTRUCTION
-Y4- STA. 10+75.00
END CONSTRUCTION
-SR1- STA. 67+00.00
NAD 83/NA 2011
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.
SC
Intermittent/ No Buffers
SF
Perennial / No Buffers
SD
Intermittent / Buffers
DOUBLE Z FARMS LIMITED PARTNERSHIP
PATTIE B. PROCTOR
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
61 x 20 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 9.08
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
S 74° 23' 20.2" E
12" PVC DATUM
S 84° 09' 01.8" E
S 5° 53' 50.5" W
GRADE TO DRAIN
RETAIN EXISTING DITCH
END PROP. WW FENCE TIE TO EXIST FENCE
REMOVE
RETAIN
COLLAR AND EXTEND
CLASS B RR
CLASS B RIP RAP
TOE PROTECTION (SEE DETAIL F)
JB wMH
JB wSlab Lid
SEPTIC TANK LID WITH ALARM
BILLBOARD
WOODS
MATCHLINE -L- STA. 73+00 SEE SHEET 8
MATCHLINE -L- STA. 86+00 SEE SHEET 10
CLEAN WATER DIVERSION
CWD
(Not to Scale)
STABILIZE EXCAVATED MATERIAL
SOIL STABILIZATION GEOTEXTILE
OFFSITE CLEAN WATER
1' MIN.
GRASS SWALE DATA
DA=2.22 ac.
SLOPE=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.