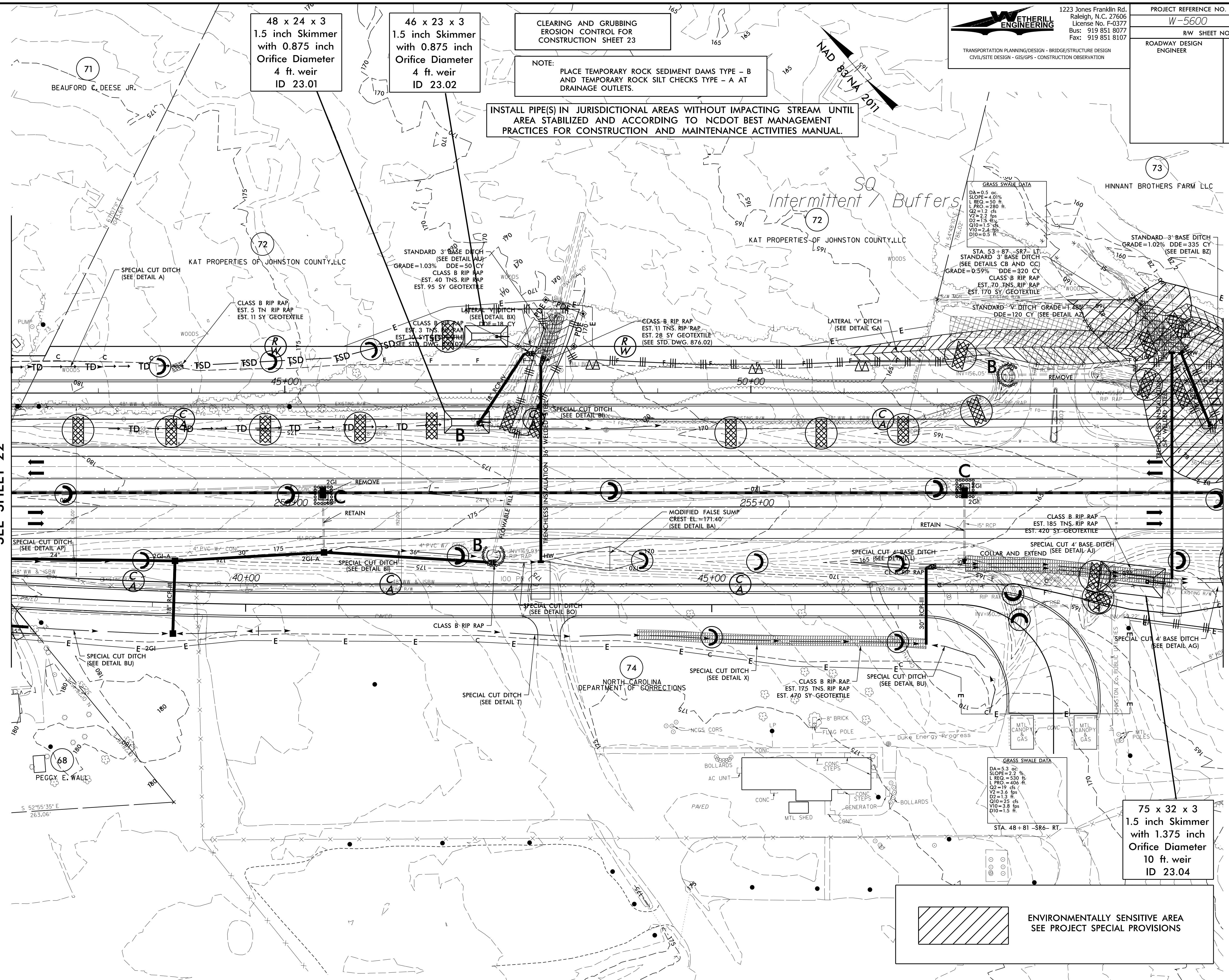


8.17.799  
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**ETHERILL ENGINEERING**  
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. W-5600	SHEET NO. EC-23/CONST. 23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



48 x 24 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
ID 23.01

46 x 23 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir  
ID 23.02

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 23

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

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL  
AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT  
PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

GRASS SWALE DATA  
DA=0.5 ft  
SLOPE=4.01%  
L REQ=50 ft  
L PRO=280 ft  
Q2=1.2 cfs  
V2=3.6 fps  
D2=1.5 ft  
Q10=1.3 cfs  
V10=2.4 fps  
D10=0.5 ft

STANDARD 3'-BASE DITCH  
GRADE=1.02% DDE=335 CY  
(SEE DETAIL B2)

STANDARD 3'-BASE DITCH  
GRADE=0.59% DDE=320 CY  
CLASS B RIP RAP  
EST. 70 TNS RIP RAP  
EST. 170 SY GEOTEXTILE

STANDARD 4'-BASE DITCH  
GRADE=1.48% DDE=120 CY  
(SEE DETAIL A2)

CLASS B RIP RAP  
EST. 185 TNS RIP RAP  
EST. 420 SY GEOTEXTILE

CLASS B RIP RAP  
EST. 175 TNS RIP RAP  
EST. 470 SY GEOTEXTILE

GRASS SWALE DATA  
DA=5.3 ft  
SLOPE=2.2 %  
L REQ=530 ft  
L PRO=406 ft  
Q2=19 cfs  
V2=3.6 fps  
D2=1.3 ft  
Q10=3.5 cfs  
V10=3.8 fps  
D10=1.5 ft

STANDARD 4'-BASE DITCH  
GRADE=1.65% DDE=165 CY  
(SEE DETAIL L)

CLASS B RIP RAP  
EST. 175 TNS RIP RAP  
EST. 470 SY GEOTEXTILE

CLASS B RIP RAP  
EST. 175 TNS RIP RAP  
EST. 470 SY GEOTEXTILE

CLASS B RIP RAP  
EST. 175 TNS RIP RAP  
EST. 470 SY GEOTEXTILE

CLASS B RIP RAP  
EST. 175 TNS RIP RAP  
EST. 470 SY GEOTEXTILE

75 x 32 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
10 ft. weir  
ID 23.04

 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

MATCHLINE  
-L- STA. 247+00  
SEE SHEET 22

MATCHLINE  
-L- STA. 260+00  
SEE SHEET 24

71  
BEAUFORD C. DEESE JR.

72  
KAT PROPERTIES OF JOHNSTON COUNTY, LLC

72  
KAT PROPERTIES OF JOHNSTON COUNTY, LLC

73  
HINNANT BROTHERS FARM LLC

74  
NORTH CAROLINA  
DEPARTMENT OF CORRECTIONS

68  
PEGGY E. WALL

S 52°55'35" E  
263.06'