8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-5825	EC-05/CONST.05
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 05

NAD 83 NA 2011

-Y1- Pl Sta 24+82.87
△ = 3°18' 30.4" (RT)
D = 0°28' 38.9"
L = 692.92'
T = 346.55'
R = 12,000.00'
SE = NC

-Y1- Pl Sta 10+24.48
△ = 4°40' 23.7" (RT)
D = 9°32' 57.5"
L = 48.94'
T = 24.48'
R = 600.00'
SE = SEE PLANS

-Y1- Pl Sta 11+16.51
△ = 48°29' 54.2" (LT)
D = 38°11' 49.9"
L = 126.97'
T = 67.57'
R = 150.00'
SE = SEE PLANS
V = 25 MPH

-DRW2- Pl Sta 10+68.07
△ = 38°20' 58.2" (LT)
D = 38°11' 49.9"
L = 100.40'
T = 52.16'
R = 150.00'
SE = SEE PLANS

-DRW2- Pl Sta 11+87.57
△ = 26°40' 38.3" (RT)
D = 38°11' 49.9"
L = 69.84'
T = 35.57'
R = 150.00'
SE = SEE PLANS

-Y1- PC Sta. 10+00.00
BEGIN CONSTRUCTION
-Y1- POT Sta.10+25.00
-Y1- PRC Sta. 10+48.94
-Y1- POC Sta.10+61.9=
-DRW2- POT Sta. 10+00.00

CLASS 'I' RIP-RAP IN TYPICAL CUT DITCH
10+50 TO 11+50
d=1.5'
EST. 60 TONS
GEOTEXTILE
EST. 120 SY

SPEC. LAT. 'V' DITCH
SEE DETAIL 11
CLASS 'I' RIP-RAP
EST. 40 TONS
GEOTEXTILE
EST. 80 SY

JOHN J O'CONNOR JR REVOCABLE TRUST
DATED 5-17-2000 AMENDED
PATRICIA M O'CONNOR REVOCABLE TRUST
DATED 5-17-2000 AMENDED
DB 787 PG 6
DB 900 PG 375
PB 2 PG 36

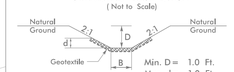
DETAIL 1
STANDARD BASE DITCH
(Not to Scale)

Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
B = 2.0 Ft.
*When B is < 6.0'
Type of Liner = Class 'I' Rip-Rap
-Y1- STA. 11+07 LT

DETAIL 2
LATERAL BASE DITCH
(Not to Scale)

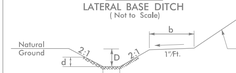
Min. D = 2.0 Ft.
Max. d = 2.0 Ft.
B = 2.0 Ft.
b = 5.0 Ft.
*When B is < 6.0'
Type of Liner = Class 'I' Rip-Rap
FROM -L- STA. 28+05 TO STA. 29+75 LT

DETAIL 3
STANDARD BASE DITCH
(Not to Scale)



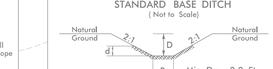
Min. D = 1.0 Ft.
Max. d = 1.0 Ft.
B = 2.0 Ft.
*When B is < 6.0'
Type of Liner = Class 'I' Rip-Rap
-L- 29+75 LT & RT

DETAIL 8
LATERAL BASE DITCH
(Not to Scale)



Min. D = 2.0 Ft.
Max. d = 2.0 Ft.
B = 3.0 Ft.
b = 5.0 Ft.
*When B is < 6.0'
Type of Liner = Class 'I' Rip-Rap
FROM -L- STA. 40+00 TO STA. 40+50 LT

DETAIL 9
STANDARD BASE DITCH
(Not to Scale)



Min. D = 2.0 Ft.
Max. d = 2.0 Ft.
B = 3.0 Ft.
*When B is < 6.0'
Type of Liner = Class 'I' Rip-Rap
FROM -L- STA. 37+85 TO STA. 40+00 LT

DETAIL 10
BANK STABILIZATION
(Not to Scale)

Type of Liner = Class 'I' Rip-Rap
FROM -L- STA. 37+70 TO STA. 37+85 LT

-DRW2- PC Sta. 10+15.91
-DRW2- PT Sta. 11+16.31
-DRW2- PC Sta. 11+52.01
S 43°57' 56.8" E

-DRW2- PT Sta. 12+21.85
END ASPHALT PAVING
END CONSTRUCTION
-DRW2- POT Sta.12+85.31

HUBBARD REALTY OF WINSTON SALEM, INC
DB 116 PG 727
PB 2 PG 36
4

STATE OF NORTH CAROLINA
DB 71PG 589
5

M. KEITH BUTNER
DB 2829 PG 2942
DB 2829 PG 2936
6

STEPHEN A HUBBARD
SUSAN K. HUBBARD
DB 1822 PG 2457
7

2' STD. BASE DITCH
SEE DETAIL 1
CLASS 'I' RIP-RAP
EST. 20 TONS
GEOTEXTILE
EST. 40 SY
S=15.0%
L=30'
EST. 10 CY DDE

2' LAT. BASE DITCH
SEE DETAIL 2
CLASS 'I' RIP-RAP
EST. 160 TONS
GEOTEXTILE
EST. 320 SY
EST. 230 CY DDE

3' LAT. BASE DITCH
SEE DETAIL 8
CLASS 'I' RIP-RAP
EST. 50 TONS
EST. 80 CY DDE

BEGIN SBG
-L- 40+22.83 LT

3' STD. BASE DITCH
SEE DETAIL 9
CLASS 'I' RIP-RAP
EST. 180 TONS
EST. 200 CY DDE

BANK STABILIZATION
SEE DETAIL 10
CLASS 'I' RIP-RAP
EST. 30 TONS

BANK STABILIZATION
SEE DETAIL 14
CLASS 'II' RIP-RAP
EST. 280 TONS

BANK STABILIZATION
SEE DETAIL 14
CLASS 'II' RIP-RAP
EST. 330 TONS

15" CSP IV W/ ROD & LUG, GASKETS, & 2 ELBOWS

10' FDPS

SBG
-L- 29+08.17 LT

REMOVE EXISTING STRUCTURE

BEGIN SBG
-L- 26+71.59 RT

END SBG
-L- 29+08.17 RT

-L- POC Sta.27+33.00=
-Y1- POT Sta. 11+97.97

-L- PT Sta. 28+29.24

120 x 60 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
26 ft. weir
ID 5.1

SEE SHEET 08 FOR -L- PROFILE

SEE SHEET 09 FOR -Y1- & -DRW2- PROFILES

BEGIN BRIDGE
-L- POT 29+32.17

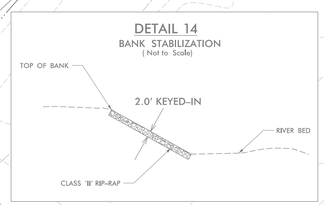
END BRIDGE
-L- POT 39+98.83

-Y1- PT Sta. 11+75.91
S 17°12' 56.7" W

S 72°19' 29.2" E
-L-

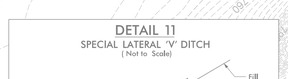
40' OFFSET
FROM -EL- TO -L-
-EL-

DETAIL 14
BANK STABILIZATION
(Not to Scale)



-L- STA. 34+50 LT & RT
-L- STA. 38+00 LT & RT

DETAIL 11
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
Type of Liner = Class 'I' Rip-Rap
FROM -DRW2- STA. 11+50 TO STA. 12+00 LT

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

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

MATCHLINE -L- STA. 26+50.00
SEE SHEET 04

MATCHLINE -L- STA. 40+50.00
SEE SHEET 06

3/16/2020
X:\NCDOT\B-5825\Drainage\Erosion Control\CD Sheets\B-5825_EC_dsn_EC-5.dgn
tsmithbear