PROJECT REFERENCE NO.	SHEET NO.
17BP.8.R.113	EC-4/CONST.4
R/W SHEET NO.	____
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

CLEARING AND GRUBBING
EROSION CONTROL FOR CONSTRUCTION SHEET 4

UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN WHERE APPLICABLE

-L-

PI Sta 10+98.28
△ = 12° 18' 32.1" (LT)
D = 6° 21' 58.3"
L = 193.35'
T = 97.05'
R = 900.00'

PI Sta 13+21.85
△ = 2° 08' 08.7" (LT)
D = 0° 56' 21.4"
L = 227.38'
T = 113.71'
R = 6,100.00'
SE = RC
DS = 55 MPH

PI Sta 17+11.16
△ = 8° 27' 33.0" (LT)
D = 4° 05' 33.2"
L = 206.70'
T = 103.54'
R = 1,400.00'
SE = 0%
DS = 55 MPH

PI Sta 19+84.98
△ = 8° 06' 45.9" (LT)
D = 2° 22' 51.3"
L = 340.74'
T = 170.66'
R = 2,406.45'

-DRV-

PI Sta 10+41.92
△ = 90° 31' 17.7" (LT)
D = 229° 10' 59.2"
L = 39.50'
T = 25.23'
R = 25.00'

PI Sta 11+36.12
△ = 100° 42' 12.5" (RT)
D = 163° 42' 08.0"
L = 61.52'
T = 42.24'
R = 35.00'

DETAIL 1
SPECIAL CUT BASE DITCH
(Not to Scale)
Natural Ground
Geotextile
2:1 or Flatter
Front Slope Ditch
Min. D = 1 Ft.
Max. d = 1 Ft.
b = 2 Ft.
Type of Liner= Class B Rip-Rap
FROM L STA. 13+00 TO STA. 13+58 RT
FROM L STA. 15+33 TO STA. 15+65 LT

DETAIL 2
RIP RAP AT EMBANKMENT
(Not to Scale)
10' min.
1.0' min.
2'
Ditch Grade
GEOTEXTILE
Type of Liner= 21 TONS,CL II Rip-Rap
Geotextile = 38 sy
FROM L STA. 14+85 TO STA. 15+05 RT
FROM L STA. 15+30 TO STA. 15+40 LT

DETAIL 3
TOE PROTECTION
(Not to Scale)
Natural Ground
2:1 or Flatter
Fill Slope
Geotextile
d= 1 Ft.
b= 2 Ft.
Type of Liner= Class B Rip-Rap
FROM L STA. 14+00 TO STA. 14+30 RT
FROM L STA. 15+55 TO STA. 16+65 RT
FROM DRV STA. 10+40 TO STA. 11+00 LT

DETAIL 4
TOE PROTECTION
(Not to Scale)
Natural Ground
2:1 or Flatter
Fill Slope
PSRM
d= 1 Ft.
Type of Liner= PSRM
FROM DRV STA. 10+20 TO STA. 11+00 RT

DETAIL 5
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
2.0' Max.
20:1
PIPE
C Proposed Ditch
S=Ditch Slope
STA 13+58 -L- RT

BEGIN BRIDGE
-L- STA.14+85.88

BEGIN PROJECT
-L- STA.12+75.00

BEGIN APP.SLAB
-L- STA.14+75.00

END APP.SLAB
-L- STA.15+59.00

PT Sta. 14+35.53

POC -L- Sta. 13+80.00
POT -DRV- Sta. 10+00.00

PC Sta. 12+08.15

PT Sta. 11+94.58

PCC Sta. 18+14.32

+10.00 -L-
60.00 LT
40.00 LT

+75.00 -L-
40.00 LT
37.00 LT
30.00 LT
(EX R/W)

+00.00 -L-
37.00 LT

+50.00 -L-
29.71 LT

+40.81 -L-
59.62 LT
LOC. PL

+40.45 -L-
39.63 LT
LOC. PL

+40.27 -L-
29.61 LT
(EX R/W)PL

+75.00 -L-
40.00 RT
30.30 RT
(EX. R/W)

+08.00 -L-
58.00 RT

+80.00 -L-
45.00 RT
30.71 RT
(EX. R/W)

N 55° 36' 54.0" E

N 43° 18' 21.9" E

N 41° 10' 13.1" E

S 48° 18' 29.2" E

IMPERVIOUS DIKE

INSTALL 24" RCP AND CONSTRUCTION ENTRANCE IN C&G PHASE

END BRIDGE
-L- STA.15+48.13
+00.00 -L-
100.00 RT
58.00 RT

END PROJECT
-L- STA.17+50.00

PT Sta. 21+55.06

PC Sta. 16+07.63

POT Sta. 10+00.00

PC Sta. 10+01.23

BEGIN CONSTRUCTION
-DRV- STA.10+12.00
-L- STA.13+80.00

PC Sta. 10+16.70

PT Sta. 10+56.19

N 41° 10' 13.1" E

PC Sta. 10+93.88

PT Sta. 11+55.40

END CONSTRUCTION
-DRV- STA.11+60.00

S 38° 07' 34.4" E

POT Sta. 11+76.63

WOODBRIDGE PROPERTY OWNERS ASSOCIATION
DB 339 PG 667

SARA A HAYES
DB 1247 PG 33
PC 4 SLIDE 137

STEVEN A ALSTON AND WIFE
ELIZABETH KIRK ALSTON
DB 1341 PG 64
PC 4 SLIDE 137

ROBIN ELLIS
DB 1207 PG 944
PC 4 SLIDE 137

JAMES MCNEILL AND WIFE
RACHEL MCNEILL
DB 964 PG 665
PC 4 SLIDE 49

MARGARET L CHAMBERLIN
DB 1309 PG 222
PC 4 SLIDE 49

DECORRIS L. REID, JR
DB 1353 PG 976
PC 1 SLIDE 210

JOHN MICHAEL COLLINS
DB 1396 PG 628
PC 1 SLIDE 210

ELIZABETH WA
DB 584 PG 8
PC 1 SLIDE 21

JOHN M
AND W
LINDA H.
DB 488

CITY OF SANFORD
DB 265 PG 461

WOODBRIDGE POINTE PROPERTY OWNERS ASSOCIATION
DB 1178 PG 967

AMANDA CHEEK
DB 128 PG 129
PC 5 SLIDE 131

AMANDA T CHEEK
DB 742 PG 267
PC 5 SLIDE 131

SHARON BROWN ROLLINS
DB 1026 PG 566
PC 5 SLIDE 131

ROBERT CLARK CHEEK
DB 422 PG 80
PC 5 SLIDE 131

LOCHMERE VILLAGE LLC
DB 1178 PG 967
BM 2007 PG 144

LOCHMERE VILLAGE LLC
DB 1178 PG 967
BM 2007 PG 144

BM
N: 608,934
E: 1,958,297
ELEV=293.36'

SR 1133 LEE AVENUE

CENTER OF CREEK IS PROPERTY LINE

NC GRID
NAD 83 NA 2011