CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

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

-LREV-
PIs Sta 62+68.352
Θs = 2° 56' 47.9"
Ls = 90.000
LT = 60.008
ST = 30.008

-LREV-
PI Sta 66+99.236
△ = 49° 13' 51.2" (RT)
L = 751.836
T = 400.892
R = 875.000
Se = 0.06
DS = 105 km/h

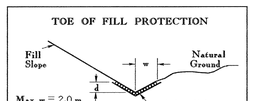
-LREV-
PIs Sta 70+90.188
Θs = 2° 56' 47.9"
Ls = 90.000
LT = 60.008
ST = 30.008

-L-
PIs Sta 62+31.683
Θs = 1° 57' 51.9"
Ls = 60.000
LT = 40.002
ST = 20.002

-L-
PI Sta 66+70.867
△ = 51° 11' 43.1" (RT)
L = 781.836
T = 419.186
R = 875.000

-L-
PIs Sta 70+53.519
Θs = 1° 57' 51.9"
Ls = 60.000
LT = 40.002
ST = 20.002

TOE OF FILL PROTECTION



Max. w = 2.0 m
Min. d = 0.3 m

Type of Liner = CLASS 'I' RIP RAP

FROM -LREV- STA. 67+23 TO STA. 67+65 RT.
(EST. RIP RAP = 62 m.tons, FIL. FAB. = 82 sm)

21
CHARLES H. WEST
WILLIAM J. WELLS
DB 438 PG 90
DB 320 PG 76
DB 559 PG 43

NOTE: GRADE ULTIMATE SECTION FROM -LREV- STA 67+00 L TO 72+80 L

+00.000 -LREV-
70.000 (229.60 ft)

12 x 6 x 1
1.5 weir

+70.000 -LREV-
65.000 (213.25 ft)

BEGIN APPROACH SLAB
-LREV- POC STA.67+48.093 (7.0m RT)

BEGIN BRIDGE
-LREV- POC STA.67+55.998 (7.0m RT)

+80.000 -LREV-
45.000 (147.60 ft)

11 x 5 x 1
1.5 weir

+00.000 -LREV-
30.000 (98.42 ft)

CHORD

CLASS "I" RIP RAP W/ FILTER FABRIC (SEE STRUCT. PLANS & DETAIL SHEET 2-0)

CLASS "I" RIP RAP W/ FILTER FABRIC (SEE STRUCT. PLANS)

SLOPE STAKES LINE

(FUTURE) SLOPE STAKES LINE

FALSE SUMP

(FUTURE) GUARDRAIL

(FUTURE) 300mm CIP

SPECIAL DITCH GRADE

M-350

TYPE III ANCHOR UNIT

GRAU-350

400 UNIFORM TRANSITION (7.2 TO 7.8)

3'-0" TYPE "A"

CLASS "I" RIP RAP W/ FILTER FABRIC (SEE STRUCT. PLANS)

TOE OF FILL PROTECTION

600mm CSP W/ PERF.

MATCH LINE -LREV- STA 66+05.000 SEE SHEET 18

NOTE: SOIL STABILIZATION FABRIC SHALL BE USED FROM STA. 67+40 ± TO 68+40 ± OR AS DIRECTED BY THE ENGINEER

TEMP. 600mm CSP PIPE W/ PERF. 600x600x600mm RISER/TEE

ENDWL

CL "I" RIP RAP (4 M.TONS) W/ FILTER FABRIC (10 SM)

STD. 244 m OVERFLOW SPILLWAY

LAT. 0.6 BASE DITCH

TEMPORARY STD. 600 CSP TYPE "A" SILT BASIN

+52.000 -LREV-
23.000 (259.50 ft)

16 x 8 x 1
2 weir

US 64 (-LREV-) OVER THE HIWASSEE RIVER

-LREV-

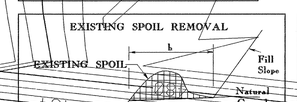
DETAIL SHOWING PROPOSED BRIDGE WIDTH IN RELATION TO PAVEMENT (NOT TO SCALE)

HIWASSEE RIVER

SPECIAL MEDIAN DITCH GRADE

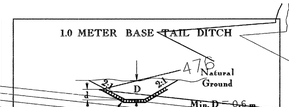
FROM -LREV- STA. 66+60 TO STA. 67+47 MED.

EXISTING SPOIL REMOVAL



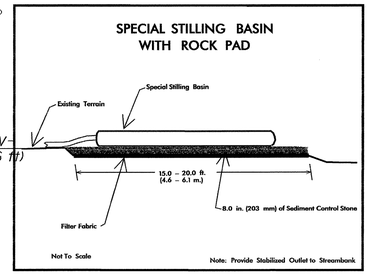
(EST. UNCL. EXCAV. = 700 cu.m)
-LREV- STA. 69+25

1.0 METER BASE TAIL DITCH



Type of Liner = CLASS 'I' RIP RAP
FROM -LREV- STA. 69+56 TO 69+70 RT.
(EST. D.D.E. = 44 cu.m, RIP RAP = 100 m.tons
FILTER FABRIC = 150 sm)

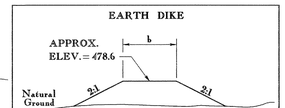
SPECIAL STILLING BASIN WITH ROCK PAD



Not To Scale
Note: Provide Stabilized Outlet to Streambank

NOTE: UTILIZE SPECIAL STILLING BASIN AND TEMPORARY ROCK SEDIMENT DAM TYPE – B AS STILLING BASIN WHERE APPLICABLE.

EARTH DIKE



-LREV- STA. 69+09 TO 69+32 LT.

24
TRI-COUNTY COMMUNITY COLLEGE
DB 409 PG 75
DB 363 PG 27
DB 310 PG 81
DB 306 PG 121

END BRIDGE
-LREV- POC STA.69+65.998
(7.0m RT)

+40.000 -LREV-
65.000 (213.20 ft)

21 x 11 x 1
2.5 weir

CLASS "I" RIP RAP W/ FILTER FABRIC (SEE STRUCT. PLANS)

+20.000 -LREV-
30.000 (98.42 ft)

TIE TO EXISTING SPOIL ELEVATION

FUTURE LANES

(FUT.) 300mm CIP

(FUT.) 400mm CIP

(FUT.) DI

SLOPE STAKES LINE

EARTH FLOW

TSD

TYPE III ANCHOR UNIT

EXCAVATE EXISTING SPOIL

+20.000 -LREV-
30.000 (98.42 ft)

CHORD

12 x 6 x 1
2 weir

CLASS "B" RIP RAP W/ FILTER FABRIC

+30.000 -LREV-
30.000 (98.42 ft)

CLASS "I" RIP RAP W/ FILTER FABRIC (SEE STRUCT. PLANS)

16 x 8 x 1
2.0 weir

LAT 1.0 BASE TAIL DITCH W/ CLASS "I" RIP RAP & FILTER FABRIC

3.0 WIDTH CLASS "I" RIP RAP (25 M.TONS) W/ FILTER FABRIC (25 SM)

+40.000 -LREV-
90.000 (295.27 ft)

+70.000 -LREV-
95.489

MATCH LINE -LREV- STA 69+70.000 SEE SHEET 20

24
TRI-COUNTY COMMUNITY COLLEGE
DB 409 PG 75
DB 363 PG 27
DB 310 PG 81
DB 306 PG 121

+20.000 -LREV-
80.000 (262.46 ft)

CHARLES H. WEST
WILLIAM J. WELLS
DB 438 PG 90
DB 320 PG 76
DB 559 PG 43

SEE SHEET 45 FOR -LREV- PROFILE
SEE PROFILES FOR DITCH GRADES
SEE STRUCTURE PLANS S- TO S-

METRIC

5 0 10

CONST.REV.

R/W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-977A	EC-21/CONST.19
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER