PROJECT REFERENCE NO.	SHEET NO.
B-4159	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE:
UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED.

NAD 83/95

-Y1- PT Sta. 11+75.19

-Y1- PC Sta. 10+60.00

BEGIN CONSTRUCTION
-Y1- POT STA. 10+70.00

-Y1- POT Sta. 10+00.00

END APPROACH SLAB
-L- STA. 21+78.00

END BRIDGE
-L- STA. 21+66.00

SPECIAL CUT DITCH
SEE DETAIL "B"

S 47° 57' 03.7" E

S 1° 57' 03.7" E
-Y1- PC Sta. 12+37.98

-Y1- PT Sta. 13+67.12

CLASS II RIP-RAP
SEE STRUCTURE PLANS

CL I RIP RAP
EST. 4 TONS
EST. 12 SY GEOTEXTILE

THIS AREA IS PART OF THE N.C.D.E.M. INCIDENT NO. TF-5159
ALPINE APARTMENTS FEDERAL TRUST FUND SITE
THE SITE IS NOT CURRENTLY BEING MONITORED. A PLAT PRODUCED BY THE N.C. DIVISION OF ENVIROMENTAL MANAGEMENT IS INCLUDED IN THE DEED BOOKS

-Y2- POT Sta. 16+95.90
-L- POT Sta. 24+41.06
N 46° 56' 12.0" W

TYPE TL-2 TYPE-III

GRADE TO DRAIN

CONTRACTOR TO LOCATE WATER LINES BEFORE INSTALLING GUARDRAIL

TUCKASEGEE RIVER GREENWAY
SEE DETAIL D
DECK DRAIN DISSIPATOR PAD
CLASS II RIP-RAP
SEE STRUCTURE PLANS

SPECIAL CUT DITCH
SEE DETAIL "B"

BEGIN BRIDGE
-L- STA. 18+66.00
BEGIN APPROACH SLAB
-L- STA. 18+54.00
-DRI- PC Sta. 10+00.00

CLEAN OUT PIPE OUTLET
CL B RIP RAP
EST. 2 TONS
EST. 7 SY GEOTEXTILE

-Y1-POT STA. 13+92.5
-L-POT STA. 17+54.00
N 73° 23' 29.0" E

-DRI- PCC Sta. 10+63.82

TIE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL LT.

-Y2- PT Sta. 16+67.56

CL B RIP RAP
EST. 2 TONS
EST. 7 SY GEO.

SPECIAL CUT DITCH
SEE DETAIL "B"

N 49° 25' 06.9" W

SEE DETAIL A
CL I RIP RAP
ON BANKS ONLY
(BANK STABILIZATION)

CL I RIP RAP
EST. 7 TONS
EST. 17 SY OF GEOTEXTILE

-DRI- PT Sta. 11+50.50

-Y2- PC Sta. 12+78.55

BEGIN TIP PROJECT B-4159
BEGIN CONSTRUCTION
-L- POT STA. 14+25.00

BEGIN CONSTRUCTION
-Y2- POT STA. 10+70.00
TIE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL LT.
-Y2- PC Sta. 10+46.73

-Y2- PRC Sta. 14+30.74

-DRI- POT Sta. 12+15.90
-Y2- POT Sta. 12+77.42
N 52° 02' 18.7" E

BM #5
-BY5- STA 7+24.91
S 78° 10' 43" E DIST. 408.53
ELEV. 2074.44'

-Y2- POT Sta. 10+00.00

N 62° 35' 34.6" W

CONCRETE DAM

PAVEMENT REMOVAL

SEE SHEET 5 FOR -L- PROFILE.
SEE SHEET 6 FOR -Y1-, -Y2- AND -DRI- PROFILE.
SEE SHEETS S-1 THRU S- FOR STRUCTURE PLANS

END TIP PROJECT B-4159
END CONSTRUCTION
-L- POT STA. 29+75.00

S 65° 43' 49.0" E

-L- PT Sta. 29+92.15

-L- POT Sta. 30+24.41

DETAIL D
DECK DRAIN DISSIPATOR PAD
(Not to Scale)

DISSIPATOR PAD — PLAN VIEW — 4.0'
*NOTE: CENTER PAD DIRECTLY BELOW DECK DRAINS

GROUND — GEOTEXTILE — PROFILE VIEW — 1.0'
L=15 ft. (FROM STA. 18+60Rt. -L-)
& 40 FT. (FROM STA. 20+65Rt. -L-)
Type of Liner= 8 TONS CL B Rip-Rap
Geotextile= 8sy

FROM -L- STA. 18+60 TO STA. 19+10 Rt.
FROM -L- STA. 20+65 TO STA. 21+45 Rt.

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground — 2:1 — D — 4:1 or Flatter — Front Ditch Slope
Min. D= 1.0 Ft.

FROM -Y1- STA. 10+75 TO STA. 11+00 Lt./Rt.
-Y2- STA. 16+00 Lt.

DETAIL C
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground — 2:1 — D — 4:1 or Flatter — Fill Slope
Min. D= 1.0 Ft.

FROM -L- STA. 22+50 TO STA. 23+50 Rt.

DETAIL A
BANK STABILIZATION
(Not to Scale)

Natural Ground — 2:1 — d — D — B — 2:1 — Natural Ground
Geotextile
When B is > 6.0' Std. No. 876.01
Min. D= 2.0 Ft.
Max. d= 1.0 Ft.
B= 2.5 Ft.
Type of Liner= CL I Rip-Rap

FROM -L- STA. 15+00 Rt.