PROJECT REFERENCE NO.	SHEET NO.
R-977A	EC-16/CONST.14
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

5 0 10

CONST.REV.

R/W REV.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

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

NOTE: GRADE ULTIMATE SECTION FROM -LREV- STA. 50+00± TO 51+20±

SPECIAL DITCH

Natural Ground, 2:1, D, d, 4:1

Min. d = 0.3 m

Type of Liner = CLASS 'B' RIP RAP

FROM -Y4- STA. 12+11 TO STA. 12+50 LT.
(EST. RIP RAP = 40 m.tons, FIL. FAB. = 80 sm)
FROM -Y4- STA. 12+35 TO STA. 12+40 RT.
(EST. RIP RAP = 5 m.tons, FIL. FAB. = 10 sm)

SPECIAL 'V' DITCH

VARIES

Natural Ground, 2:1, D, S

S = 4:1 to 10:1
Min. D = 0.3 m
Min. d = 0.3 m

Type of Liner = CLASS 'B' RIP RAP

FROM -Y4- STA. 12+50 TO STA. 12+63 LT.
(EST. RIP RAP = 13 m.tons, FIL. FAB. = 26 sm)
FROM -Y4- STA. 12+40 TO STA. 12+53 RT.
(EST. RIP RAP = 13 m.tons, FIL. FAB. = 26 sm)

2000 ADT
2025 ADT
6400
12200
1400
2200
5600
11400
600
1400
2000
3600
200
400
800
SR 1561 -Y4-
SR 1556 -Y4-
SR 1634

EXIST. R/W TO BE ABANDONED

18 x 9 x 1
3.5 weir

8 x 4 x 1
1.5 weir

8 x 4 x 1

20 x 10 x 1
3.5 weir

12 x 6 x 1
1.5 weir

11 x 6 x 1
1.5 weir

3.5 x 1.5 x 1
1.5 weir

11 x 6 x 1
1.5 weir

12 x 6 x 1
1.5 weir

9 x 4 x 1

11 x 5 x 1
1.5 weir

12 x 6 x 1
2.5 weir

9 x 5 x 1
1.5 weir

8 x 4 x 1
2.0 weir

8 x 3 x 1

8 x 4 x 1
1.5 weir

HUBERT WINSTON CRAIG
DB 270 PG 189

BOB HATCHETT
DB 191 PG 165

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

SIDNEY & MARIE ALLEN
DB 696 PG 57

THOMAS A. & SANDRA H. YORK
DB 429 PG 164

GILES C. & PAMELA A. ENNIS
DB 536 PG 26

SEE SHEET 13 -LREV- STA 47+05.000
MATCH LINE -LREV- STA 47+05.000

MATCH LINE -LREV- STA 50+85.000
SEE SHEET 15

MATCH LINE -Y4- STA 12+28.533
SEE SHEET 26

-Y4- POT STA.12+87.672 ≅
-L- POT STA.49+50.510
-LREV- POT

-LREV- -L- S 66° 08' 54.0" E

-Y4- PC Sta.13+25.656

-Y4- PT Sta.13+76.105

-Y3- PT Sta.17+56.309

-Y4- PI Sta 13+51.648
Δ = 34° 00' 22.0" (RT)
L = 50.449
T = 25.992
R = 85.000
Se = 0.05
Ro = AS SHOWN
DS = 45 km/h

Pls Sta 37+34.020
Θs = 0° 58' 56.0"
Ls = 60.000
LT = 40.001
ST = 20.001

Pls Sta 42+09.117
Δ = 29° 09' 16" (RT)
L = 890.472
T = 455.098
R = 1,750.000

Pls Sta 46+64.493
Θs = 0° 58' 56.0"
Ls = 60.000
LT = 40.001
ST = 20.001

△ = 69° 53' 54.0"

△ = 92° 45' 22.0"

S 55° 00' 00.0" E

S 37° 45' 22.0" W

S 3° 45' 00.0" W

90.0 UNIFORM TRANSITION (7.2 TO 10.8)

90.0 UNIFORM RIGHT-TURN TAPER (0.0 TO 3.6)

90.0 UNIFORM RIGHT-TURN TAPER (10.0 TO 3.6)

90.0 UNIFORM TRANSITION (7.2 TO 5.4)

+25.000 -LREV- 37.707 (123.68 ft)
+86.000 -LREV- 35.386 (116.07 ft)
+56.309 -Y3- 20.000 (65.60 ft)
+91.000 -Y3- 21.000 (68.90 ft)
+20.000 -Y3- 18.000 (59.05 ft)
+98.000 -Y3- 18.000 (59.05 ft)
+40.000 TSD 18.000 (59.05 ft)
+85.000 -Y3- 3.963 (13.00 ft)
+90.000 -Y3- 18.000 (59.05 ft)
+90.000 -Y3- 3.963 (13.00 ft)
+76.105 -Y4- 30.000 (98.40 ft) BEG.W.W.FENCE
+76.105 -Y4- 30.000 (98.40 ft) END C/A END W.W.FENCE
+40.292 -LREV- 50.921 (167.02 ft)
+20.000 -LREV- 45.000 (147.50 ft)
+5.380 -LREV- 40.006 (131.20 ft)
+50.000 -LREV- 50.000 (164.00 ft)
+58.000 -Y4- 9.144 (30.00 ft)
+37.000 -Y4- 9.144 (30.00 ft)
-Y4- POT Sta.14+50.000

END CONSTRUCTION
-Y3- POT Sta.20+83.000
-Y3- POT Sta.20+20.862
-Y4- POT Sta.14+02.287

-Y3- POT Sta.20+91.548

FALSE CUT

Natural Ground	1.0m	1.8m	4.5m
4:1 Max	3:1	3:1	DITCH SLOPE

FROM -LREV- STA. 47+80 TO STA. 47+91 LT.

TOE OF FILL PROTECTION "A"

Fill Slope, Natural Ground, Filter Fabric

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

Type of Liner = CLASS 'B' RIP RAP

FROM -Y3- STA. 17+43 TO STA. 18+14 RT.
(EST. RIP RAP = 60 m.tons, FIL. FAB. = 120 sm)

TOE OF FILL PROTECTION "B"

Natural Ground, Fill Slope, Filter Fabric

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

Type of Liner = CLASS 'I' RIP RAP

FROM -LREV- STA. 47+05 TO STA. 47+17 LT.
(EST. RIP RAP = 15 m.tons, FIL. FAB. = 19 sm)
FROM -Y3- STA. 17+69 TO STA. 18+17 LT.
(EST. RIP RAP = 58 m.tons, FIL. FAB. = 77 sm)

DENOTES PAVEMENT TO BE REMOVED

SEE SHEET 40 FOR -LREV- PROFILE
SEE SHEET 53 FOR -Y3- PROFILE
SEE SHEET 54 FOR -Y4- PROFILE
SEE PROFILES FOR DITCH GRADES

SEE SHEET 2-I FOR INTERSECTION DETAILS