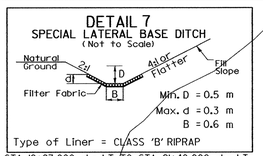
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

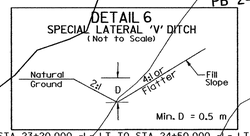
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

DETAIL 7
SPECIAL LATERAL BASE DITCH
(Not to Scale)



Min. D = 0.5 m
Max. d = 0.3 m
B = 0.6 m
Type of Liner = CLASS 'B' RIPRAP
STA. 19+97.000 -L- LT. TO STA. 21+40.000 -L- LT.

DETAIL 6
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D = 0.5 m
STA. 23+20.000 -L- LT. TO STA. 24+50.000 -L- LT.

LYRLIE TREECE
DB 285 PG 165
PB 24 PG 8

376.485
N52°50'52"W

-L-
PI Sta 22+23.606
Δ = 54° 22' 50.9" (RT)
L = 949.124
T = 513.719
R = 1,000.000
Se = 0.05
Se runoff = 40
Tro = 16

METRIC
5 0 10

PROJECT REFERENCE NO.	SHEET NO.
R-3303	EC-6/CONST.7
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.

NC GRID NAD 83

LAT. 0.6m BASE DITCH W/CLASS 'B' RIPRAP
STA 19+97 LT TO
STA 21+40 LT -L-
SEE DETAIL #7
SEE PROFILE FOR GRADE

6 x 3 x 1
1.5 weir

BL-13
PINC 17+67.623
STA. 20+57.495 -L-
0.397 m LT.

+00.000
24.000m
(78.74')

+48.173
26.899m
(88.25')

+94.753
21.559m
(70.73')

CLASS 'B' RIPRAP

S 58° 26' 55.3" E

S 64° 40' 40.6" E

6 x 2 x 1

CLASS 'B' RIPRAP
1.8 MTNS
5.9 SM FF

+97.000
25.982m, 30.000m
(85.24'),(98.43')

+88.000
26.000m, 30.000m
(85.30'),(98.43')

8 x 3 x 1
1.5 weir

EDWARD & DELORIS MYRICK
DB 664 PG 10
PB 24 PG 8

BL-14
PINC 18+95.062
STA. 22+84.904 -L-
1.376 m LT.

+22.000
14.865m
(48.76')

+20.000
17.381m
(57.02')

+40.000
15.000m
(49.21')

100.0m TAPER

S 51° 12' 22.9" E

BL-15 -BL- PINC 20+27.373
-BVL- PINC 6+75.750

67.0m TAPER

+78.649
16.785m
(55.07')

POC Sta.23+10.471 -L- =
POT Sta.10+74.906 -Y2-
S 46° 50' 23.1" W

+03.692 -Y2-
13.982m
(45.87')

POT Sta.11+36.632 -Y2-
END CONSTRUCTION

+28.619 -Y2-
9.111m
(29.89')EX.R/W

SEE SHEET 16 FOR -Y2- PROFILE

POT Sta.10+14.806 -Y2-
BEGIN CONSTRUCTION

+14.806 -Y2-
9.129m,11.500m
EX.R/W(29.95'),(37.73')

+14.806 -Y2-
11.500m
(37.73')

+14.806 -Y2-
9.159m
(30.05')EX.R/W

+45.887 -Y2-
14.062m
(46.13')

+81.844
15.000m
(49.21')

+44.128 -Y2-
11.322m
(37.15')

SPECIAL LAT. 'V' DITCH
STA 23+20 LT TO
STA 24+50 LT -L-
SEE DETAIL #6
SEE PROFILE FOR GRADE

JEAN WEBB
DB 347 PG 183

+35.048
20.083m
(65.89')

67.0m TAPER

+39.920
17.000m
(55.77')

+56.755
17.000m,25.928m
(55.77'),(85.07')

JEAN WEBB
DB 347 PG 183

+04.965 -Y2-
15.000m
(49.21')

+19.934
12.258m
(40.22')

GUY L. WEBB JR.
DB 604 PG 402

MATCHLINE STA.19+80.000
SEE SHEET 6

MATCHLINE STA.23+70.000
SEE SHEET 8

526
787
1322 2540 -L- NC 73
209 296
100 100
309 396
SR 1453
EST. 2004 2024 ADT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 0.84 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.14 CMS
DESIGN HW ELEVATION	= 149.38 M
100 YEAR DISCHARGE	= 0.17 CMS
100 YEAR HW ELEVATION	= 149.43 M
OVERTOPPING FREQUENCY	= + 100 YRS
OVERTOPPING DISCHARGE	= + 0.17 CMS
OVERTOPPING ELEVATION	= 149.7 M

TBM #4
57.210m RT. -BL- STA 27+46.324
ELEV. 148.895

PROPOSED GRADE
EXISTING GROUND
Special Ditch Lt.
Special Lat. 'V' Ditch Lt.

+97.000 Lt. EL = 146.000
+20.000 Lt. EL = 149.250
+40.000 Lt. EL = 149.500
+60.000 Lt. EL = 150.200
+80.000 Lt. EL = 151.200
+100.000 Lt. EL = 152.000
+120.000 Lt. EL = 153.500
+140.000 Lt. EL = 154.500
+160.000 Lt. EL = 152.590

+10.900%
+12.500%
+5.500%
+15.000%
+4.000%
+11.000%
+5.000%
+3.551%
-20.332%
-0.300%

-L-
PI = 23+06.830
EL = 162.625 m
K = 90
VC = 51.21 m
DS = 100 km/h

166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147

+80 20 +20 +40 +60 +80 21 +20 +40 +60 +80 22 +20 +40 +60 +80 23 +20 +40 +60

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maugush