METRIC

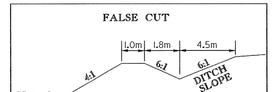
5 0 10

CONST.REV.

R/W REV.

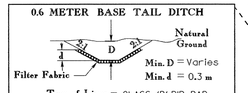
PROJECT REFERENCE NO.	SHEET NO.
R-977A	EC-40/CONST.10
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FALSE CUT



FROM -LREV- STA. 33+30 TO STA. 33+38 LT.

0.6 METER BASE TAIL DITCH



Min. D = Varies
Min. d = 0.3 m
Type of Liner = CLASS 'B' RIP RAP
-LREV- STA. 33+35 LT.
(EST. D.D.E. = 20 cu.m, RIP RAP = 15 m.tons, FILTER RABRIC = 40 sm)

WILLIAM R. & LAURA K. DYER
DB 641 PG 1
DB 601 PG 165
8

-L-
Pls Sta 28+75.548
Θs = 1° 57' 51.9"
Ls = 60.000
LT = 40.002
ST = 20.002

-L-
PI Sta 31+16.010
Δ = 34° 21' 11.1" (LT)
L = 524.628
T = 270.465
R = 875.000

-L-
Pls Sta 33+90.174
Θs = 1° 57' 51.9"
Ls = 60.000
LT = 40.002
ST = 20.002

-LREV-
Pls Sta 28+62.544
Θs = 2° 56' 47.9"
Ls = 90.000
LT = 60.008
ST = 30.008

-LREV-
PI Sta 31+46.653
Δ = 32° 23' 19.1" (LT)
L = 494.627
T = 254.117
R = 875.000
Se = 0.06
DS = 105 km/h

-LREV-
Pls Sta 34+17.171
Θs = 2° 56' 47.9"
Ls = 90.000
LT = 60.008
ST = 30.008

17 x 8 x 1
1.5 weir

+10.000 -LREV-
116.000 (380.48 ft)

+40.000 -LREV-
90.000 (295.20 ft)

L.F. & HELEN H. LOCHABY
DB 159 PG 136
9

20 x 8 x 1
3.0 weir

8 x 3 x 1

+77.163 -LREV-
60.000 (196.80 ft)

+33.000 -LREV-
82.000 (268.96 ft)

+18.000 -LREV-
82.000 (268.96 ft)

+60.000 -LREV-
60.000 (196.85 ft)

10 x 4 x 1

+18.000 -LREV-
45.000 (147.60 ft)
BEGIN WW.FENCE

+98.000 -LREV-
50.643 (166.11 ft)
END WW.FENCE

+87.163 -LREV-
45.000 (147.60 ft)

10 x 4 x 1

+16.000 -LREV-
50.897
BEGIN WW.FENCE

+90.000 -LREV-
50.000 (164.00 ft)
END WW.FENCE

19 x 9 x 1
2.0 weir

15 x 5 x 1

+00.000 -LREV-
115.000 (377.20 ft)

+77.163 -LREV-
75.000 (246.00 ft)

19 x 9 x 1
2.0 weir

+30.000 -LREV-
102.145 (335.12 ft)

6 x 2 x 1

+60.000 -LREV-
100.982

WILLIAM R. & LAURA K. DYER
DB 641 PG 1
DB 601 PG 165
8

L.F. & HELEN H. LOCHABY
DB 159 PG 136
9

WOODS

FUTURE LANES

(FUTURE) SLOPE STAKES LINE

SLOPE STAKES LINE

ACCESS POINT

3.0 STONE DRIVE

OBLITERATE

LAT.06 BASE DITCH W/ CL."I" RIP RAP & FILTER FABRIC

CLASS 'B' RIP RAP

600mm CSP

600mm CSP PERF. 600x600x600mm RISER / TEE

2.44m WIDE OVERFLOW SPILLWAY

STD. 600 CS TYPE "A" SILT BASIN

CL."I" RIP RAP (9 TONS) W/ FILTER FABRIC (12 SM)

0.6 TAIL DITCH W/ CLASS "B" RIP RAP & FILTER FABRIC

(FUTURE) 600mm RCP

(FUTURE) COLLAR

FALSE CUT (SEE DETAIL)

(FALSE SUMP)

Std.BERM DITCH

2.4 SOIL

3.4 SOIL

2.7 SOIL

-LREV- CS Sta.33+87.163

-LREV- CS Sta.33+70.172

-LREV- ST Sta.34+30.172

-LREV- ST Sta.34+17.163

-L- CS Sta.33+70.172

-LREV- N 82° 43' 58.0" E

S 60°48'15" W 1.280

N 00°54'41" E 0.975

S 00°54'41" W 53.635

33.808

52.649

ANCHOR 450mm CSP INTO HEADWALL

END W.W. FENCE

BEG. W.W. FENCE

450mm CSP

450mm CSP W/ (2) ELBOWS

OTCB

'L' HEADWALL

TOE OF FILL PROTECTION

ROCK CROSS VANE

SLOPE STAKES LINE

OBLITERATE

(FUTURE) 2-GI

(FUTURE) +05 BEGIN SHLD.BERM

(FUTURE) GUARDRAIL

(FUT.) SHLD. BERM GUTTER

PROP. 2 ø 2.4 X 2.4 RCBC W/ TAPERED INLET +18.0 AT 84° SKEW

+77 BEGIN SHLD.BERM

PROP. SHLD.BERM GUTTER

8:1 TAPER

15.0

GRAU-350

150mm PERF.CSP

Std.SPRING BOX

150mm CSP W/ (2) ELBOWS

DEBRIS DEFLECTOR

ELBOW

400mm CSP & (2) ELBOWS

450mm RCP

NOTE: GRADE ULTIMATE SECTION FROM -LREV- STA.34+00± TO 37+65±

NOTE: 450mm CSP ARE ANCHORED INTO WINGWALLS

HAMPTON CREEK

TSD

F

A

B

C

SEE SHEET 9 -LREV- STA 31+85.000

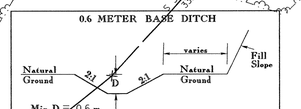
MATCH LINE -LREV- STA 35+65.000 SEE SHEET 11

SEE SHEET 37 FOR -LREV- PROFILES

SEE PROFILES FOR DITCH GRADES

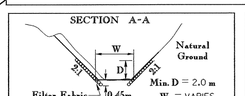
SEE CULVERT PLANS C- TO C-

0.6 METER BASE DITCH



Min. D = 0.6 m
(EST. D.D.E. = 43 cu.m)
FROM -LREV- STA. 33+30 TO STA. 33+46 LT.

SECTION A-A

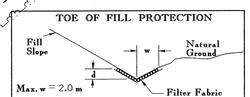


Min. D = 2.0 m
W = VARIES (4.4 TO 2.3m)
Type of Liner = CLASS 'I' RIP RAP
(EST. D.D.E. = 120 cu.m, RIP RAP = 120 m.tons, FILTER FABRIC = 150 sm)

SECTION B-B

Min. D = 1.6 m
W = VARIES (6.6 TO 2.8m)
Type of Liner = CLASS 'I' RIP RAP
(EST. D.D.E. = 90 cu.m, RIP RAP = 35 m.tons, FILTER FABRIC = 50 sm)

TOE OF FILL PROTECTION



Max. w = 2.0 m
Min. d = 0.3 m
Type of Liner = CLASS 'I' RIP RAP
FROM -LREV- STA. 34+20 TO STA. 35+03 LT.
(EST. RIP RAP = 120 m.tons, FIL. FAB. = 160 sm)
FROM -LREV- STA. 34+55 TO STA. 35+22 RT.
(EST. RIP RAP = 90 m.tons, FIL. FAB. = 120 sm)
FROM -LREV- STA. 35+32 TO STA. 35+65 RT.
(EST. RIP RAP = 42 m.tons, FIL. FAB. = 56 sm)