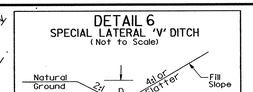
PROJECT REFERENCE NO.	SHEET NO.
R-3303	EC-23/CONST.12
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

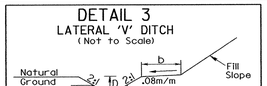
5 0 10

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



STA. 41+00.000 -L- RT. TO STA. 41+10.000 -L- RT.

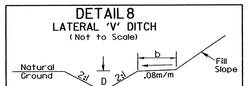
DETAIL 3
LATERAL 'V' DITCH
(Not to Scale)



Type of Liner = CLASS 'B' RIPRAP

STA. 41+40.000 -L- RT. TO STA. 41+60.000 -L- RT.

DETAIL 8
LATERAL 'V' DITCH
(Not to Scale)



STA. 41+10.000 -L- RT. TO STA. 41+40.000 -L- RT.

SEE SHEET 14 FOR -Y4- PROFILE
SEE SHEET 15 FOR -Y5- PROFILE

NC GRID NAD 83

TS Sta. 39+80.666 -L-

SC Sta. 40+45.666 -L-

PIs Sta 40+24.014
Θs = 4° 39' 19.0"
Ls = 65.000
LT = 43.348
ST = 21.680

ROGER ALLRED, SR. ET AL
DB 752 PG 746
PB 16 PG 79

BL-27
PINC 37+35.834
STA. 40+23.539 -L-
0.969 m RT.

POC Sta 40+18.714 -L- =
POT Sta. 12+95.120 -Y4-

BL-28
PINC 38+28.007
STA. 41+15.840 -L-
1.312 m RT.

SPECIAL LAT 'V' DITCH
STA 41+00 -L- RT TO
STA 41+10 -L- RT
SEE DETAIL #6

LAT 'V' DITCH
W/1.5m BERM
STA 41+10 -L- RT TO
STA 41+40 -L- RT
SEE DETAIL #8

LAT 'V' DITCH
W/1.5m BERM LINED
W/CLASS 'B' RIPRAP
STA 41+40 -L- RT TO
STA 41+60 -L- RT
SEE DETAIL #3

CLASS 'B' RIPRAP
4.5 MTNS
13.4 SM FF

4m LEVEL SPREADER
SEE DETAIL SHEET 2-B

RICHARD & RUBY HENDERSON
DB 644 PG 629
PB 16 PG 79

JAMES FRAZIER
DB 706 PG 196

PI Sta 12+21.586
Δ = 17° 48' 31.5" (LT)
L = 155.411
T = 78.337
R = 500.000
Se = Exlst.Se
See XS

POT Sta. 13+08.659 -Y5-
END CONSTRUCTION
PT Sta. 12+98.659 -Y5-

MATCHLINE STA. 39+30.000
SEE SHEET 11

MATCHLINE 12+80.000 -Y4-
SEE SHEET 14

MATCHLINE STA. 42+30.000
SEE SHEET 13

OBLITERATE AND REMOVE

GUARDRAIL TERMINAL SECTION W/ OBJECT MARKERS

GRADE CUT DITCH TO DRAIN AROUND CULDE-SAC

EXISTING ROAD DITCH

6 x 2 x 1

7 x 2 x 1

PPES

2GI TYPE 'D' TAPER

100.0m TAPER

GRAU-350

TSD

PDE

CLASS 'B' RIPRAP
1.8 MTNS
5.9 SM FF

TBM #7
36.814m RT. -BL- STA 39+96.938
ELEV. 137.255

-L-
PI = 40+72.400
EL = 141.953
K = 71.8
VC = 379.301m
DS = 100 km/h

+3.397%
-0.300%
-3.400%
PROPOSED GRADE
EXISTING GROUND
Special Lat. 'V' Ditch Rt.

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 3.0 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.65 CMS
DESIGN HW ELEVATION	= 136.23 M
100 YEAR DISCHARGE	= 0.76 CMS
100 YEAR HW ELEVATION	= 136.31 M
OVERTOPPING FREQUENCY	= + 500 YRS
OVERTOPPING DISCHARGE	= + 1.2 CMS
OVERTOPPING ELEVATION	= 137.2 M

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y3303b
mlsaylor