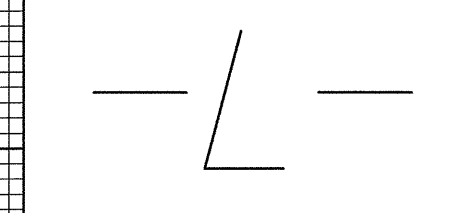


02/26/23

BM # 18
R/R SPIKE IN BASE OF TELEPHONE POLE , 51.340m
RIGHT OF -L- 119+87.000 ELEV. 174.757m



METRIC

PROJECT REFERENCE NO. R-2610B SHEET NO. 55

ROADWAY DESIGN ENGINEER 06-23-04

HYDRAULICS ENGINEER

SEAL 17691

SEAL 22100

CONST. REV.

R / W REV.

Richard A. Shillingham

Stephen R. Morrison

PI = 120+40.000
EL = 173.650 m
VC = 130 m
K = 69

179
178
177
176
175
174
173
172
171
170
169
168
167
166
165
164
163
162

172.527

176.473

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.118A

DRAINAGE AREA = 8.8 HA
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = 1.22 CMS
DESIGN HW ELEVATION = 169.35 M
100 YEAR DISCHARGE = 1.67 CMS
100 YEAR HW ELEVATION = 169.72 M
OVERTOPPING FREQUENCY = 500+/- YRS
OVERTOPPING DISCHARGE = 2.45 CMS
OVERTOPPING ELEVATION = 171.50 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.121B

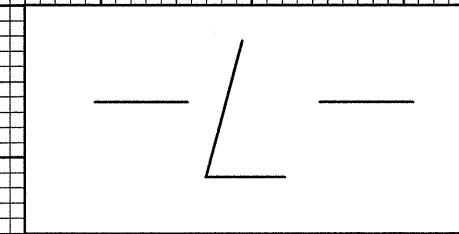
DRAINAGE AREA = 5.6 HA
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = 0.36 CMS
DESIGN HW ELEVATION = 169.81 M
100 YEAR DISCHARGE = 0.44 CMS
100 YEAR HW ELEVATION = 169.87 M
OVERTOPPING FREQUENCY = 500+/- YRS
OVERTOPPING DISCHARGE = 2.3 CMS
OVERTOPPING ELEVATION = 173.50 M

750mm
END SPECIAL LAT BASE DITCH LT STA 118+20 EL 164.500

750mm

PI=118+00.000
EL=166.400

118 +20 +40 +60 +80 119 +20 +40 +60 +80 120 +20 +40 +60 +80 121 +20 +40 +60



END GRADE
-L- 124+00.000
ELEV 182.194m
GRADE POINT @
-SBL- MED. EOP

176.473

+2.3522%

+2.4849%

PI = 123+42.627
EL = 180.768 m
VC = 60 m
K = 452

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.123B

DRAINAGE AREA = 6.3 HA
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = 0.51 CMS
DESIGN HW ELEVATION = 172.84 M
100 YEAR DISCHARGE = 0.62 CMS
100 YEAR HW ELEVATION = 172.91 M
OVERTOPPING FREQUENCY = 500+/- YRS
OVERTOPPING DISCHARGE = 3.4 CMS
OVERTOPPING ELEVATION = 175.40 M

BEG LAT BASE DITCH LT STA 122+50 EL 171.830

END LAT BASE DITCH LT STA 123+20 EL 178.300

900mm

PI=122+60.000
EL=172.200

PI=122+80.000
EL=174.400

+60 +80 122 +20 +40 +60 +80 123 +20 +40 +60 +80 124

23-OCT-2003 14:43
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