

E.M. #2
ELEV 1152.24
SPIKE IN POLE #3

CROWN, LYWOOD L. & MARLENE M.

HYDRAULIC DATA

TH 3 B 24

33' Steel Beam Bridge
Drainage Area = 90.0 Sq. Mi. (233.1 Sq. Km.)

Q 2.33 = 1400 cfs (40 cms)	Headwater Elevation = 1151.8
Q 10 = 2800 " (80 ")	" = 1153.8
Q 25 = 3400 " (100 ")	" = 1154.4
Q 50 = 4050 " (110 ")	" = 1155.0
Q 100 = 4700 " (135 ")	" = 1155.4

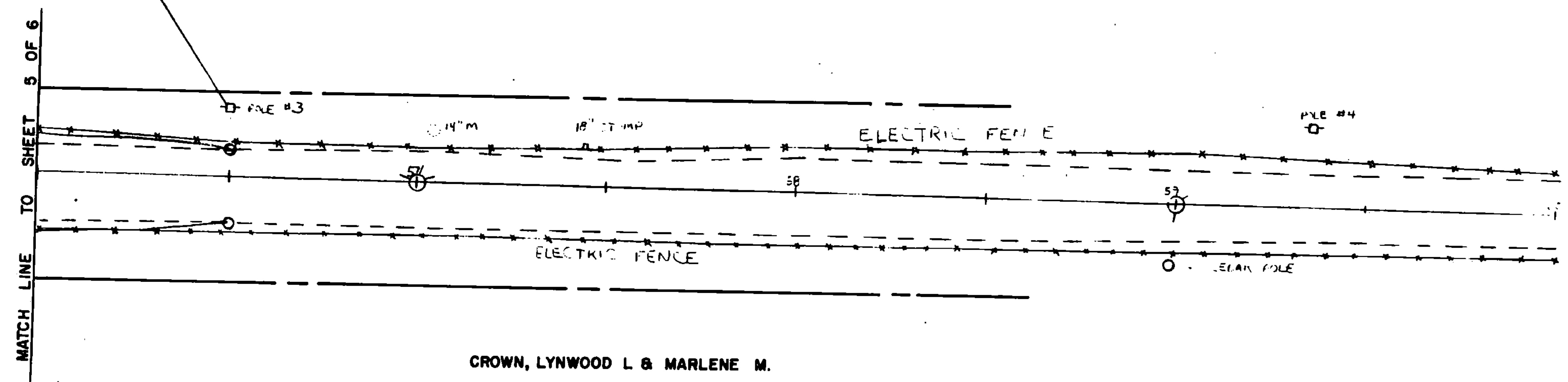
Tailwater Elevation @ Q25 = 1154.4; depth = 8.4' (2.6 m)
Outlet Velocity @ Q 25 = 8.1 fps (2.5 mps)
Roadway overflow occurs at approximately Q5.
Use Stone Fill, Type II where deemed necessary.

TH 3 B 25

2- 48" pipes
Drainage Area = 90.0 Sq. Mi. (Overflow to B 24)

Q2.33 = 1400 cfs (40 cms)	Headwater Elevation = 1151.8
Q10 = 2800 " (80 ")	" = 1153.8
Q25 = 3400 " (100 ")	" = 1154.4
Q50 = 4050 " (115 ")	" = 1155.0
Q100 = 4700 " (135 ")	" = 1155.4

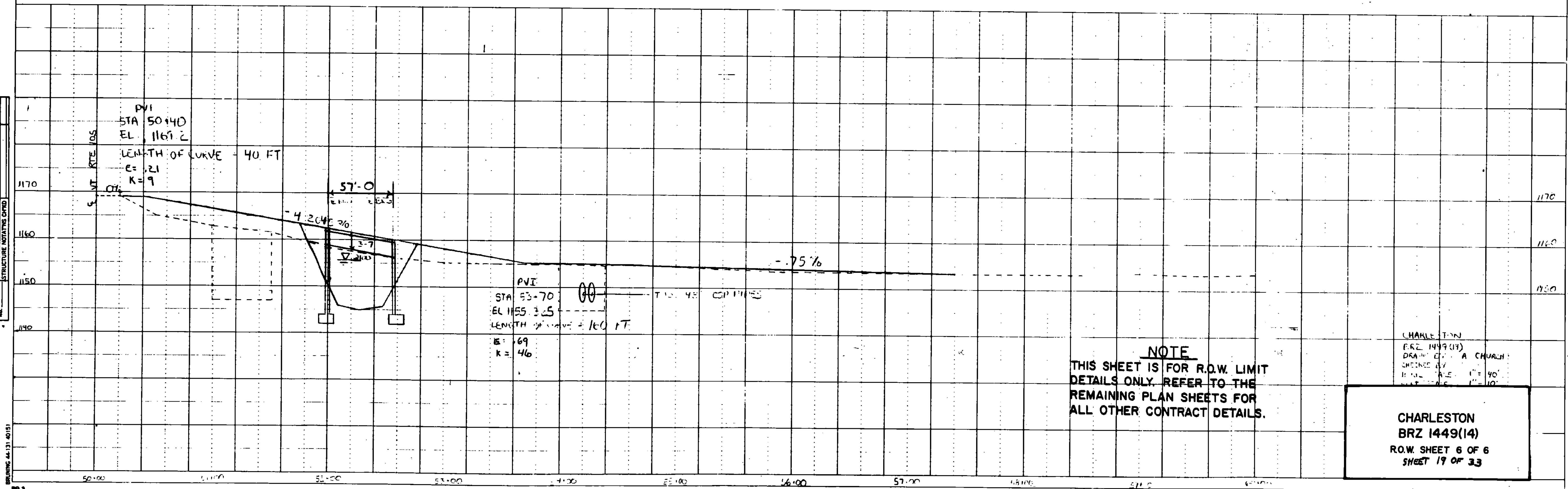
Tailwater Elevation @ Q25 = 1154.4; depth = 9.4' (2.8 m)
Outlet Velocity @ Q25 = 8.7 fps (2.5 mps)
Roadway overflow occurs at approximately Q5.
Use Stone Fill, Type II where deemed necessary.



CROWN, LYWOOD L. & MARLENE M.

PLOTTED
CHECKED
DATE
BY

CHANGES CHECKED
DATE
BY
STRUCTURE NOTATIONS CHFD



NOTE
THIS SHEET IS FOR R.O.W. LIMIT
DETAILS ONLY. REFER TO THE
REMAINING PLAN SHEETS FOR
ALL OTHER CONTRACT DETAILS.

CHARLESTON
BRZ 1449(14)
R.O.W. SHEET 6 OF 6
SHEET 19 OF 33

BRUNING 44-131-40151