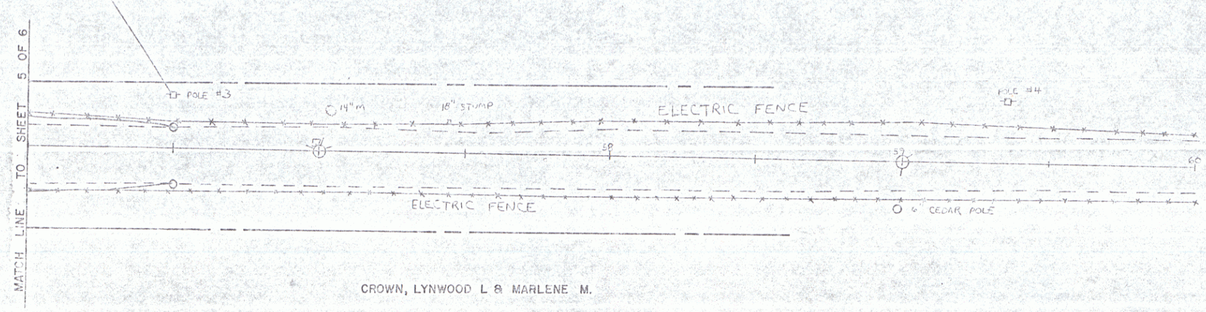
BM #2
ELEV 1152.24
SPIKE IN POLE #3

CROWN, LYNWOOD L. & MARLENE M.




CROWN, LYNWOOD L & MARLENE M.

# HYDRAULIC DATA

TH 3 @ 24

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

Q @.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

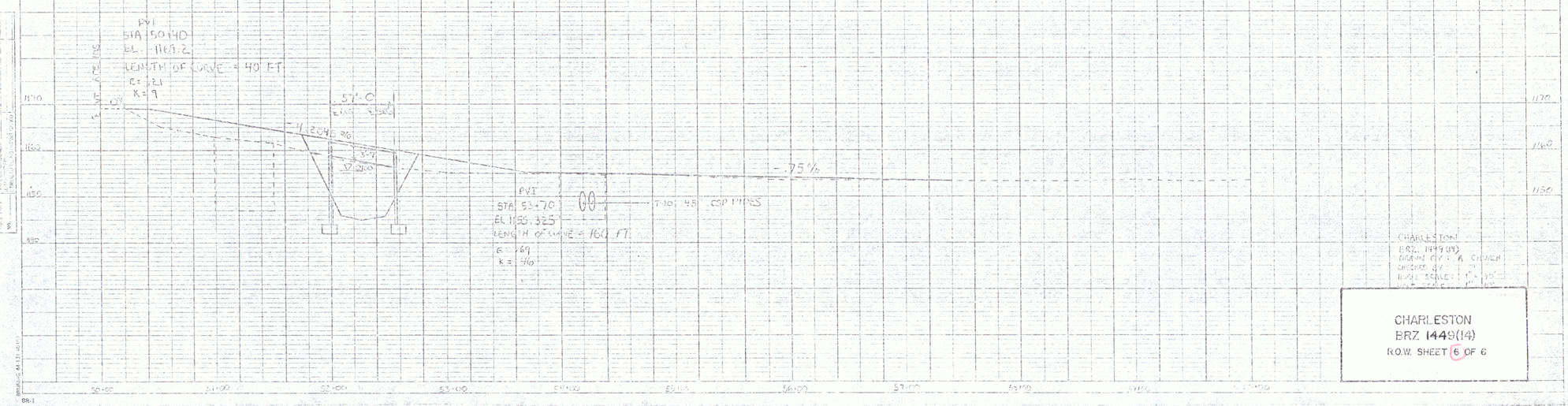
Tailwater Elevation @ Q25= 1154.4; depth = 8.4' (2.6 m)
Outlet Velocity @ Q 25= 8.1 fps ( 2.5 mps )
Roadway overflow occurs at approximately Q5.
Use Stone Fill, Type II where deemed necessary.

TH 3 @ 25

2- 48" pipes
Drainage Area = 90.0 Sq. Mi. (Overflow to @ 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 Q2
Use Stone Fill, Type II where deemed necessary.




CHARLESTON
BRZ. 1449(14)
DRAWN BY: R. CHURCH
CHECKED BY:
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 10'

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

FEB 05 1992 6