

BM #6 RR SPIKE IN BASE OF 550mm WILD CHERRY  
33.415 RT OF -L- STA.311+67.690 EL= 43.801

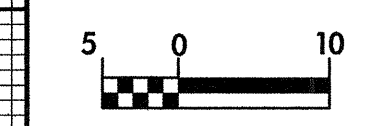


PROJECT REFERENCE NO. R-513C SHEET NO. 61

ROADWAY DESIGN ENGINEER  
HYDRAULICS ENGINEER

SEAL 12300  
ENGINEER  
CHARLES LEE FLOWE

SEAL 20754  
ENGINEER  
T. STEPHENS



CONST. REV.  
R / W REV.

TGS ENGINEERS  
975 WALNUT STREET, SUITE 141  
CARY, NC 27511  
PH (919) 319-8850

52

50

48

46

44

42

40

38

52

50

48

46

44

42

40

38

L = 60,000  
K = 142

PI = 308+80.000  
EI = 42.513

PI = 310+05.000  
EI = 43.335

L = 100,000  
K = 67

DESIGN DATA  
FOR DRAINAGE STRUCTURE AT  
STA.309+40 -L-

DRAINAGE AREA = 296HA  
DESIGN FREQUENCY = 50 YRS  
DESIGN DISCHARGE = 100cms  
DESIGN HW ELEVATION = 41.60 m  
100 YEAR DISCHARGE = 121cms  
100 YEAR HW ELEVATION = 42.15 m  
OVERTOPPING FREQUENCY = 500+YRS  
OVERTOPPING DISCHARGE = 2.0 cms  
OVERTOPPING = 42.50 m

-L- LT. LN.

SEE SHEET NO.21 FOR -L- PLAN

308+00

309+00

310+00

311+00

311+60

BM #6 RR SPIKE IN BASE OF 550mm WILD CHERRY  
33.415 RT OF -L- STA.311+67.690 EL= 43.801

52

50

48

46

44

42

40

38

52

50

48

46

44

42

40

38

L = 200,000  
K = 445

PI = 308+165.000  
EI = 42.513

-L- RT. LN.

SEE SHEET NO.21 FOR -L- PLAN

308+00

309+00

310+00

311+00

311+60

SYSTEMS  
 DESIGN  
 CONSULTANTS