

10/26/08

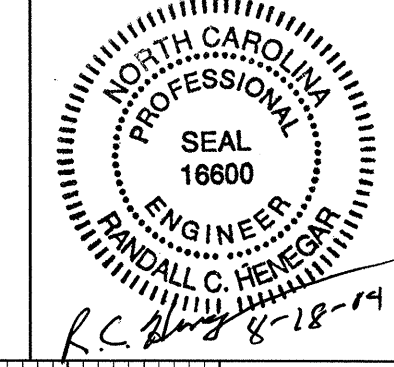
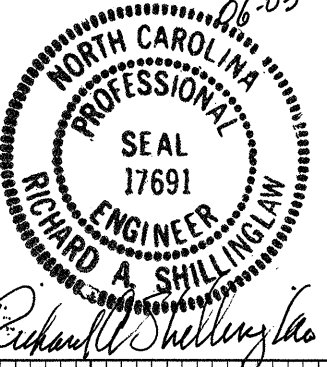
BM * 26 R/R SPIKE IN BASE OF 250mm PIN OAK 154.50m N 56° 29' 21" W OF
-Y- STA 10+00.000 EL 46.772



PROJECT REFERENCE NO. R-513 BB SHEET NO. 47

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER



CONST. REV.

R/W REV.

Richard A. Spillman

R.C. Hengge 8-18-14

-Y-

BEGIN GRADE
-Y- Sta 10+05.000
EL 45.483m DOES NOT
INCLUDE RESURFACING

PI = 11+00.000
EL = 46.402 m
K = 46
VC = 68 m

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.70

DRAINAGE AREA	= 26.465 HA
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 0.609 CMS
DESIGN HW ELEVATION	= 44.10 M
100 YEAR DISCHARGE	= 0.969 CMS
100 YEAR HW ELEVATION	= 44.65 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 2.713 CMS
OVERTOPPING ELEVATION	= 50.33 M

750mm

BEG SPE CUT DITCH
-L- STA 10+135
RT ELEV 43.758
LT ELEV 43.760

(LT)
PI = 0+40.000
EI = 43.900

END SPE CUT
DITCH RT/LT
-L- STA 11+00
ELEV 45.346

10+00 +20 +40 +60 +80 11+00 +20 +40 +60 +80 12+00 +20 +40 +60 +80 13+00 +20 +40 +60 +80

BM * 28 R/R SPIKE IN BASE OF 450mm PINE 47.104m LT OF
-Y- STA 15+95.791 EL 46.429

PI = 15+80.000
EL = 58.180 m
K = 62
VC = 400 m

BM * 27 R/R SPIKE IN BASE OF 750mm HARDWOOD 306.825m S 42° 59' 9.3" E OF
-Y- STA 16+0.820 EL 46.628

-Y-

SEE S-32 THRU S-65
FOR STRUCTURE PLANS

BEG BRIDGE -Y-
STA 15+440.147

-Y- STA 15+30.000 =
S/R 5 STA 38+85.318

END BRIDGE -Y-
STA 16+242.617

+80 14+00 +20 +40 +60 +80 15+00 +20 +40 +60 +80 16+00 +20 +40 +60 +80 17+00 +20 +40 +60

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