PROJECT REFERENCE NO.	SHEET NO.
R-513C	107

METRIC

5 0 10

CONST.REV.

R /W REV.

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 12300 ENGINEER CHARLES LEE FLOWE

7/16/04

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 20754 ENGINEER T. STEPHENS, JR.

7/23/04

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

BM #4 RR SPIKE IN BASE OF 750mm PINE
86.610 RT OF -L- STA.284+93.432 EL= 42.011

STA 18+40.000 Y2-RT LN TRANS =
STA 18+40.000 COBC 7.2 RT
BEGIN GR EL= 40.380

L = 80.000
K = 172

(-) 0.2667%

(-) 0.2667%

(+) 0.1982%

PROP.GRADE

EXIST.PROFILE

PI =19+60.000
EL= 40.000

L = 100.000
K = 65

(+) 0.1982%

-COBC-

SEE SHEETS NO.36 & NO.37
FOR -COBC- PLAN

18+00 19+00 20+00 21+00 21+60

50 48 46 44 42 40 38

BM #4 RR SPIKE IN BASE OF 750mm PINE
86.610 RT OF -L- STA.284+93.432 EL= 42.011

L = 100.000
K = 65

(+) 0.1982%

PI =21+97.151
EL= 40.540

(+) 1.7300%

PROP.GRADE

EXIST.PROFILE

PI =24+35.000
EL= 44.098

(+) 1.7300%

(+) 0.0016%

L = 350.000
K = 202

-COBC-

SEE SHEET NO.37 FOR -COBC- PLAN

21+60 22+00 23+00 24+00 25+00 25+20

50 48 46 44 42 40 38

$$$$SYSTIME$$$$
$$$$USERNAME$$$$

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