6/09/99

BM#5 EL. 5.048
RR SPIKE IN 24" PINE
51.365m LT. -L- STA. 187+23.477

C&G GREENHORNE & O'MARA, INC.
5565 CENTERVIEW DRIVE, SUITE 101
RALEIGH, NORTH CAROLINA 27606
(919) 851-1919

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	33

CONST.REV.

R /W REV.

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 18501 ENGINEER DONNA C. KEENER
9-29-04

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 24451 ENGINEER TRACEY H. BAILEY
9/29/04

PROP GRADE LINE
EXIST GROUND LINE
-L-

(+)0.3000% (-)0.3500% (-)0.3500% (+)0.3000% (+)0.3000% (-)0.3500% (-)0.3500% (+)0.3000% (+)0.3000% (-)0.3100% (-)0.3100%

SPECIAL CUT DITCH (LT) -0.1800%
SPECIAL CUT DITCH (RT) -0.1500%

VPT /VPC 182+95.000 EL 5.045
VPT /VPC 183+45.000 EL 5.032
VPC 184+15.000 EL 4.950
VPT /VPC 184+65.000 EL 4.937
VPC 185+25.000 EL 4.904
VPT 182+25.000 EL 5.290
VPT 183+95.000 EL 5.020
VPT 185+15.000 EL 4.935

PI = 182+00.000
EL = 5.377
L = 50.000
K = 77
DS = 110+ KM/H

PI = 183+20.000
EL = 4.957
L = 50.000
K = 77
DS = 120+ KM/H

PI = 183+70.000
EL = 5.107
L = 50.000
K = 77
DS = 110+ KM/H

PI = 184+40.000
EL = 4.862
L = 50.000
K = 77
DS = 120+ KM/H

PI = 184+90.000
EL = 5.012
L = 50.000
K = 82
DS = 110+ KM/H

SEE SHEET NO. 12 FOR -L- PLAN.

181+80 182+00 183+00 184+00 185+00 185+40

8 6 4 2

BM#5 EL. 5.048
RR SPIKE IN 24" PINE
51.365m LT. -L- STA. 187+23.477

PROP GRADE LINE
EXIST GROUND LINE
-L-

(-)0.3100% (+)0.3375% (+)0.3375% (-)0.5000% (-)0.5000% (+)0.3000% (+)0.3000% (-)0.3000% (-)0.3000%

SPECIAL CUT DITCH (LT) -0.1800%
SPECIAL CUT DITCH (RT) -0.1500%

VPT 185+75.000 EL 4.911
VPC 186+95.000 EL 5.282
-L- STA.187+12 EL 3.12 END DITCH LT
-L- STA.187+12 EL 2.48 END DITCH RT
VPT 187+35.000 EL 5.241
VPC 187+45.000 EL 5.19
-L- STA.187+58 EL 3.00 BEGIN DITCH LT
VPT /VPC 187+95.000 EL 5.441
VPT 188+45.000 EL 5.441
-L- STA.188+30 EL 2.58 BEGIN DITCH RT

PI = 185+50.000
EL = 4.826
L = 50.000
K = 77
DS = 120+ KM/H

PI = 187+10.000
EL = 5.366
L = 50.000
K = 60
DS = 100 KM/H

PI = 187+70.000
EL = 5.066
L = 50.000
K = 83
DS = 120 KM/H

PI = 188+20.000
EL = 5.216
L = 50.000
K = 83
DS = 110+ KM/H

LATERAL L2m BASE DITCH (RT) -0.1500%

SEE SHEET NO. 13 FOR -L- PLAN.

185+40 186+00 187+00 188+00 189+00

10 8 6 4 2