BM#3 EL. 13.429
NAIL IN PP 5CQ08
22.324m LT. -Y- STA. 11+23.974

C&G GREENHORNE & O'MARA, INC.
5565 CENTERVIEW DRIVE, SUITE 107
RALEIGH, NORTH CAROLINA 27606
(919) 851-1919

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	31

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 18501 ENGINEER DONNA C. KEENER
9-29-09

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 24451 ENGINEER STACEY H. BALTER
9/29/09

CONST.REV.

R/W REV.

-L- STA. 167+40
EL. 12.3
BEGIN DITCH LT

(+)1.2300%

VPC 167+75.000 EL. 12.576

(+)1.2300%

(-)0.3000%

(-)0.5241%

SPECIAL DITCH (LT)

PROP GRADE LINE

PI = 168+45.000
EL. = 13.531
L = 140.000
K = 92
DS = 110+ KM/H

-L- STA. 169+00
EL. 12.63
END DITCH LT

VPT/VPC 169+15.000 EL. 13.327

(-)0.3000%

EXIST GROUND LINE

(-)1.3900%

PI = 169+50.000
EL. = 13.222
L = 70.000
K = 64
DS = 100+ KM/H

VPT 169+85.000 EL. 12.735

(-)1.3900%

(-)1.7600%

VPC 170+40.000 EL. 11.971

PI = 170+70.000
EL. = 11.554
L = 90.000
K = 162
DS = 120+ KM/H

VPT 171+00.000 EL. 11.026

SEE SHEET NO. 8 FOR -L- PLAN.

14
12
10

167+40 168+00 169+00 170+00 171+00

BM#3 EL. 13.429
NAIL IN PP 5CQ08
22.324m LT. -Y- STA. 11+23.974

VPT 171+00.000 EL. 11.026

VPC 171+05.000 EL. 10.895

(-)1.7600%

VPT 171+66.000 EL. 10.112

(-)0.8160%

EXIST GROUND LINE

VPC 172+05.000 EL. 9.810

PI = 171+38.000
EL. = 10.357
L = 50.000
K = 64
DS = 120+ KM/H

-L- STA. 172+65
EL. 6.670
BEGIN DITCH LT

PROP GRADE LINE

(-)0.8160%

PI = 172+60.000
EL. = 9.361
L = 110.000
K = 329
DS = 120+ KM/H

VPT/VPC 173+45.000 EL. 8.723

(-)1.1600%

(-)0.9500%

VPT/VPC 173+85.000 EL. 7.985

(-)0.9500%

(-)0.4700%

LATERAL 0.6M BASE DITCH (LT)

PI = 173+50.000
EL. = 9.317
L = 70.000
K = 333
DS = 120+ KM/H

PI = 174+10.000
EL. = 7.741
L = 50.000
K = 100
DS = 120+ KM/H

-L- STA. 174+16
EL. 5.960
END DITCH LT

VPT 174+35.000 EL. 7.385

(-)1.4500%

VPC 174+55.000 EL. 7.095

SEE SHEET NO. 9 FOR -L- PLAN.

14
12
10
8
6
4

171+00 172+00 173+00 174+00 174+60