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

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	39

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18505 ENGINEER KEENER

9-29-09

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 025603 ENGINEER RICHARD A MOORE

9-29-09

CONST.REV.

R /W REV.

6/09/09

BM#10 EL. 3.424
RR SPIKE BST PARKING LOT
110.246m RT. -L- STA. 225+33.645

VPT 225+14.500 EL. 3.823
VPC 225+15.000 EL. 3.825
VPT 225+15.000 EL. 3.825
VPC 226+60.500 EL. 3.568
VPT 227+20.500 EL. 3.568
VPC 228+35.000 EL. 3.902

(+)0.3000%
(+)0.3000%
(−)0.3000%
PROP. GRADE LINE
(−)0.3000%
(−)0.3000%
(+)0.3000%
(+)0.3000%
EXIST. GROUND LINE

PI = 225+45.000
EL = 3.915
L = 60.000
K = 83
DS = 120+ KM/H

PI = 226+90.500
EL = 3.478
L = 60.000
K = 100
DS = 120+ KM/H

-L-

SEE SHEET NO. 24 FOR -L- PLAN.

225+00 226+00 227+00 228+00 228+60

BM#10 EL. 3.424
RR SPIKE BST PARKING LOT
110.246m RT. -L- STA. 225+33.645

VPC 229+00.000 EL. 3.892
VPT 229+00.000 EL. 3.892
VPT 229+45.000 EL. 3.892
VPC 230+00.000 EL. 4.017
VPT 230+00.000 EL. 4.017
VPT/VPC 230+70.000 EL. 4.017
VPT/VPC 231+20.000 EL. 4.017
VPT 231+70.000 EL. 4.017

PROP. GRADE LINE
(−)0.3000%
(−)0.3000%
(+)0.3000%
(+)0.3000%
EXIST. GROUND LINE
(−)0.3000%
(+)0.3000%
(+)0.3000%
(−)0.3240%
(−)0.3240%

PI = 228+70.000
EL = 4.017
L = 70.000
K = 117
DS = 110 KM/H

PI = 229+35.000
EL = 3.822
L = 50.000
K = 83
DS = 120+ KM/H

PI = 230+35.000
EL = 4.122
L = 70.000
K = 117
DS = 120+ KM/H

PI = 230+95.000
EL = 3.942
L = 50.000
K = 83
DS = 120+ KM/H

PI = 231+45.000
EL = 4.092
L = 50.000
K = 80
DS = 110+ KM/H

-L-

SEE SHEET NO. 25 FOR -L- PLAN.

228+60 229+00 230+00 231+00 232+00 232+20