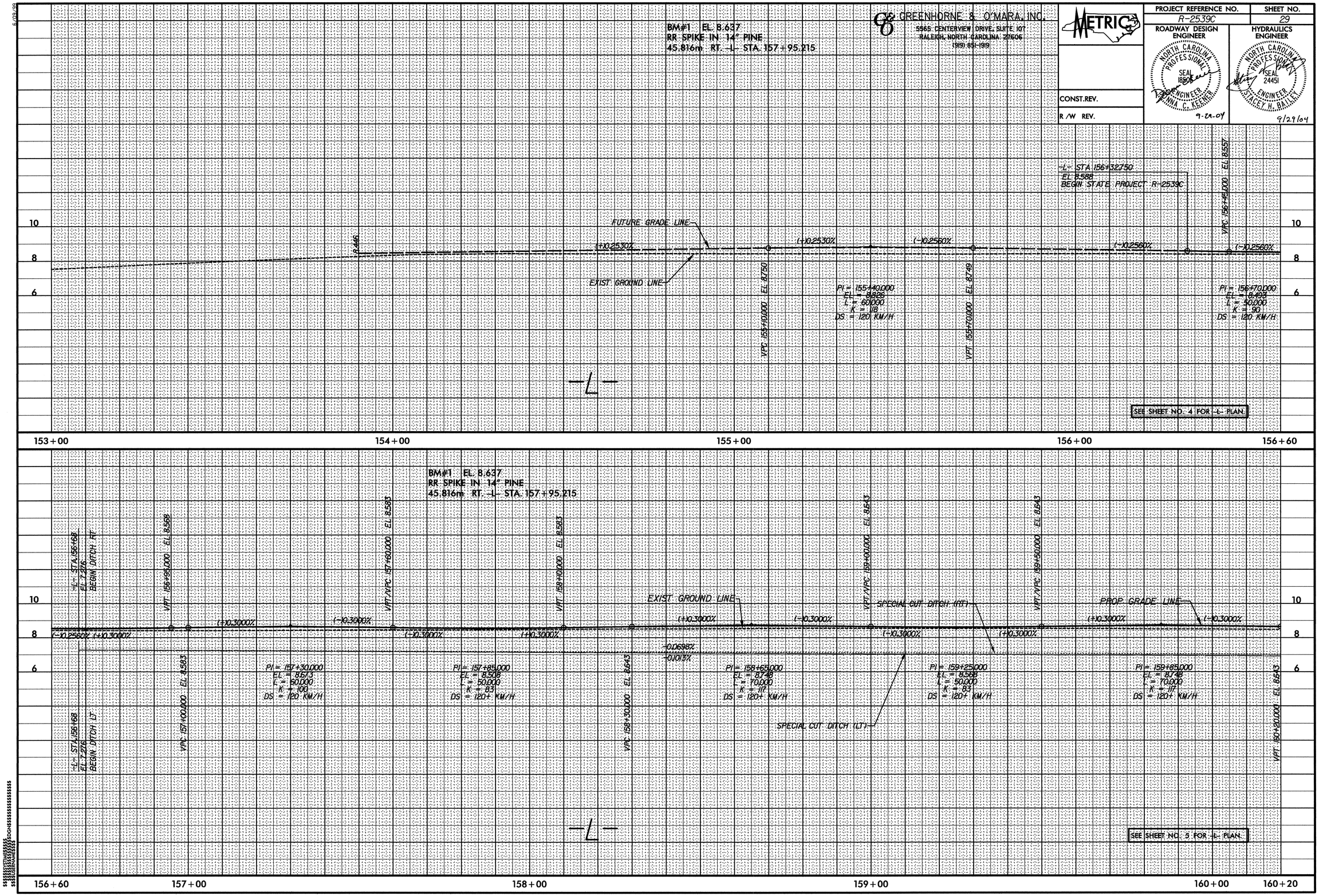

BM#1 EL. 8.637
RR SPIKE IN 14" PINE
45.816m RT. -L- STA. 157+95.215
GREENHORNE & O'MARA, INC.
5565 CENTERVIEW DRIVE, SUITE 107
RALEIGH, NORTH CAROLINA 27606
(919) 851-1919
METRIC
PROJECT REFERENCE NO.
R-2539C
SHEET NO.
29
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
CONST.REV.
R/W REV.
9-29-04
9/29/04
-L- STA 156+32.750
EL 8.588
BEGIN STATE PROJECT R-2539C
FUTURE GRADE LINE
EXIST GROUND LINE
(+)0.2530%
(-)0.2530%
(-)0.2560%
(-)0.2560%
(-)0.2560%
8.446
VPC 155+10.000 EL 8.750
VPT 155+70.000 EL 8.749
VPC 156+45.000 EL 8.557
PI = 155+40.000
EL = 8.826
L = 60.000
K = 118
DS = 120 KM/H
PI = 156+70.000
EL = 8.493
L = 50.000
K = 90
DS = 120 KM/H
-L-
SEE SHEET NO. 4 FOR -L- PLAN.
153+00
154+00
155+00
156+00
156+60
BM#1 EL. 8.637
RR SPIKE IN 14" PINE
45.816m RT. -L- STA. 157+95.215
-L- STA.156+68
EL 7.276
BEGIN DITCH RT
VPT 156+95.000 EL 8.568
VPT/VPC 157+60.000 EL 8.583
VPT 158+10.000 EL 8.583
VPT/VPC 159+00.000 EL 8.643
VPT/VPC 159+50.000 EL 8.643
EXIST GROUND LINE
SPECIAL CUT DITCH (RT)
PROP GRADE LINE
(+)0.3000%
(-)0.3000%
(-)0.3000%
(-)0.3000%
(+)0.3000%
(-)0.3000%
(-)0.3000%
(+)0.3000%
(+)0.3000%
(-)0.3000%
(-)0.2560%
(+)0.3000%
-0.0698%
-0.1013%
-L- STA.156+68
EL 7.276
BEGIN DITCH LT
VPC 157+00.000 EL 8.583
VPC 158+30.000 EL 8.643
VPT 160+20.000 EL 8.643
PI = 157+30.000
EL = 8.673
L = 60.000
K = 100
DS = 120 KM/H
PI = 157+85.000
EL = 8.508
L = 50.000
K = 83
DS = 120+ KM/H
PI = 158+65.000
EL = 8.748
L = 70.000
K = 117
DS = 120+ KM/H
PI = 159+25.000
EL = 8.568
L = 50.000
K = 83
DS = 120+ KM/H
PI = 159+85.000
EL = 8.748
L = 70.000
K = 117
DS = 120+ KM/H
SPECIAL CUT DITCH (LT)
-L-
SEE SHEET NO. 5 FOR -L- PLAN.
156+60
157+00
158+00
159+00
160+00
160+20