6/03/39

KCI Associates of North Carolina, P.A.
SUITE 200, LANDMARK CENTER I, 4601 SIX FORKS RD.
RALEIGH, NC 27609-5210 (919) 783-9214
• ENGINEERS • PLANNERS • ECOLOGISTS

WETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
Phone: 919.851.8877
Fax: 919.851.8107
TRANSPORTATION PLANNING/DESIGN – BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN – GIS/GPS – CONSTRUCTION OBSERVATION

METRIC

5 0 10

CONST.REV.

R /W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-2562D	34

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 21178 ENGINEER BOB A. MAY
10/12/04

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26696 ENGINEER JEFFREY L. BECK

BM NCGS (JUNCTION)
-L- STA 13+50.147
OFFSET 9.859 LT.
ELEV. 46.019

DITCH LEGEND
LEFT DITCH
RIGHT DITCH
MEDIAN DITCH

TBM #23 -L- 13+70.687
OFFSET 26.754 RT. RR SPIKE
SET IN BASE OF 24" TWIN OAK TREE
INTERSECTION OF NC 87 & NC 41
ELEV. 45.619

-L2REV-

-L2REV- STA 48+60.000
EL = 45.871

PI = 50+10.000
EL = 46.293 m
VC = 360 m
K = 611

+0.2763%
-0.3132%
-0.5000%
(+)0.3000%
(-) 0.5170%

BEGIN DITCH LT.
-L2REV- STA 49+20.000
EL = 44.490

END DITCH LT.
-L2REV- STA 50+00.000
EL = 44.090

BEGIN DITCH LT.
-L2REV- STA 50+20.000
EL = 44.100

END DITCH LT.
-L2REV- STA 51+00.000
EL = 44.330

-L2REV- STA 52+00.000
EL = 45.698

BEGIN DITCH MED.
-L2REV- STA 51+80.000
EL = 44.737

PVT./PVC. STA 51+90.000
EL = 45.729

-L2REV- STA 52+00.000
EL = 44.634

SEE SHEET 17 FOR PLAN VIEW

-L2REV-

-L2REV- STA 52+00.000
EL = 45.698

PI = 52+20.000
EL = 45.635 m
VC = 60 m
K = 4560

PVT. STA 52+50.000
EL = 45.545

-L2REV- STA 52+80.000
EL = 44.220

-L2REV- STA 53+00.000
EL = 44.280

-L2REV- STA 53+20.000
EL = 44.220

PVC. STA 53+30.000
EL = 45.305

PI = 53+60.000
EL = 45.215 m
VC = 60 m
K = 406

PVT./PVC. STA 53+90.000
EL = 45.081

PI = 54+80.000
EL = 44.678 m
VC = 180 m
K = 914

-L2REV- STA 55+60.000
EL = 44.161

-L2REV- STA 52+00.000
EL = 44.634

-0.3132%
-0.3000%
(-) 0.5170%
(-) 0.5000%
(+) 0.3000%
(-) 0.3000%
(+) 0.0200%
-0.4477%
(-) 0.1950%
(-) 0.7500%
-0.6447%

BEGIN DITCH LT.
-L2REV- STA 52+40.000
EL = 44.300

END DITCH LT.
-L2REV- STA 53+20.000
EL = 43.900

-L2REV- STA 53+60.000
EL = 44.228

-L2REV- STA 53+80.000
EL = 44.168

-L2REV- STA 54+20.000
EL = 44.090

END DITCH MED.
-L2REV- STA 54+40.000
EL = 43.940

SEE SHEET 18 FOR PLAN VIEW

23 JUN 2004 10:26
MTaylor F:\R-2562D_HEC\Roy_Rvr\R-2562D_ROY_PFL.DGN
AT MIDDLEWATER=ET\