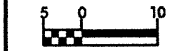


-Y3-		
PIs Sta 40+41.722	PI Sta 41+44.231	PIs Sta 42+44.590
$\theta_s = 4^\circ 35' 01.2"$	$\Delta = 22^\circ 56' 50.4" (RT)$	$\theta_s = 4^\circ 35' 01.2"$
$L_s = 64.000$	$L = 160.203$	$L_s = 64.000$
$LT = 42.681$	$T = 81.190$	$LT = 42.681$
$ST = 21.346$	$R = 400.000$	$ST = 21.346$
	$SE = 8\%$	



CONST. REV. _____

RW REV. _____

PROJECT REFERENCE NO. **R 513C** SHEET NO. **48**

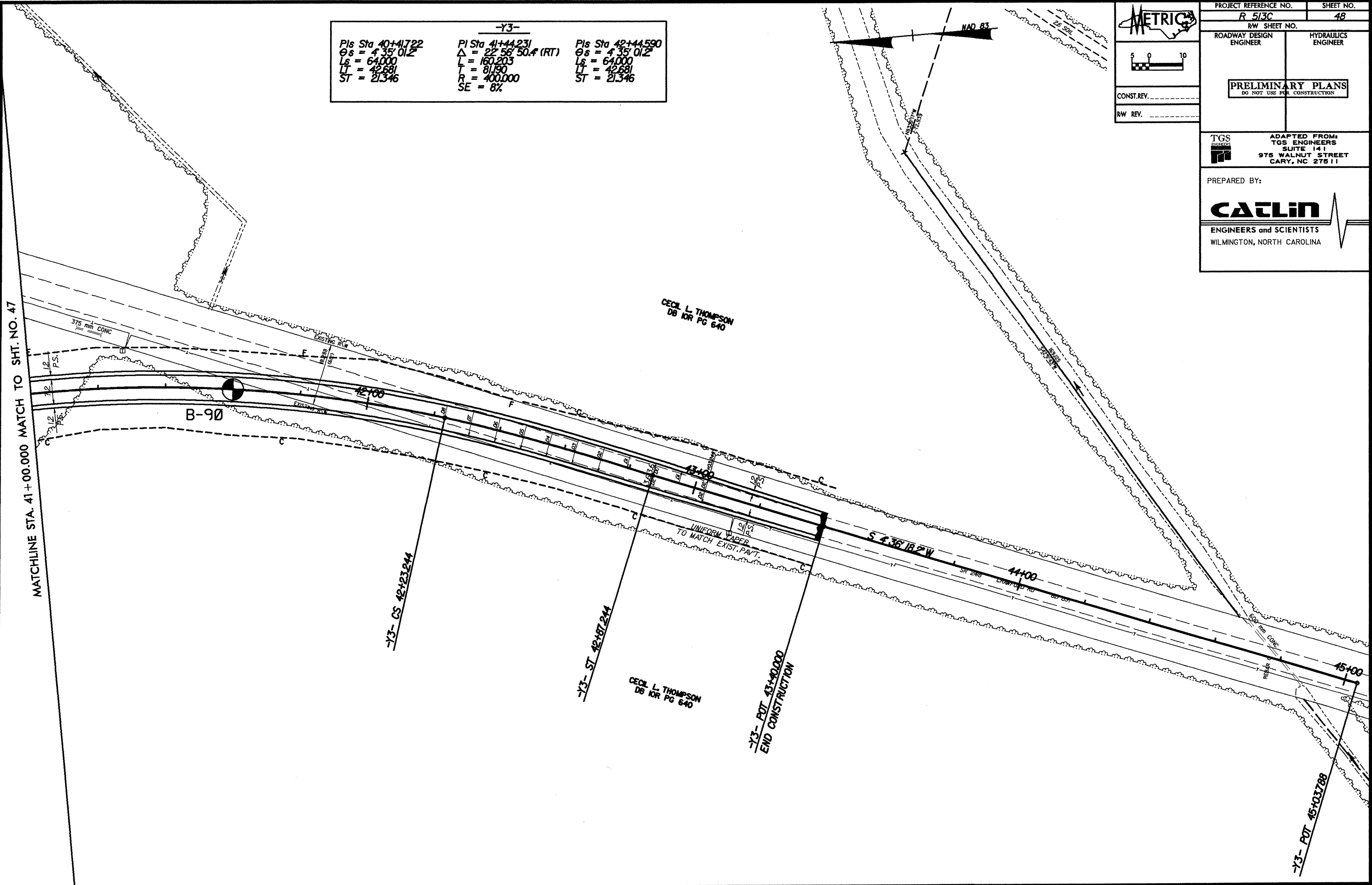
R/W SHEET NO. _____
 ROADWAY DESIGN ENGINEER _____
 HYDRAULICS ENGINEER _____

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

TGS ENGINEERS
 ADAPTED FROM:
 TGS ENGINEERS
 SUITE 141
 975 WALNUT STREET
 CARY, NC 27511

PREPARED BY:
CATLIN
 ENGINEERS and SCIENTISTS
 WILMINGTON, NORTH CAROLINA

MATCHLINE STA. 41 + 00.000 MATCH TO SHT. NO. 47



 SYSTEMS ENGINEERING

-Y3- POT 45+103.788