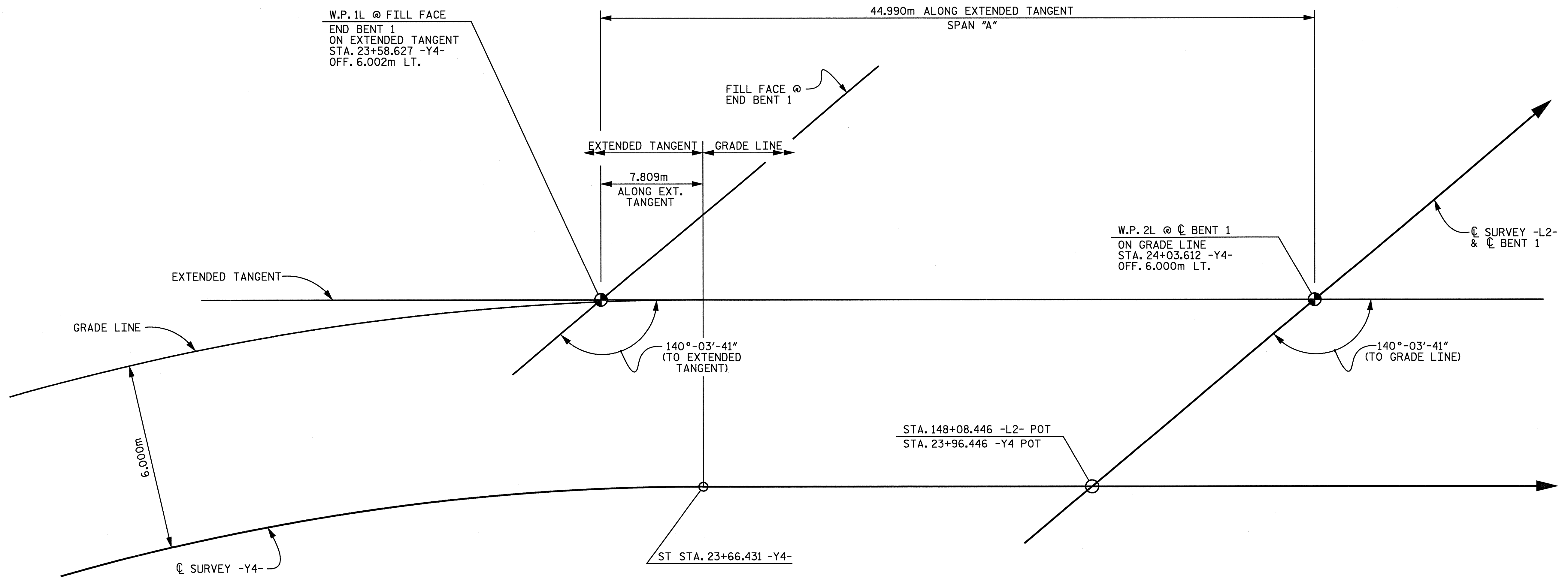


02/11/2005 05:31:23 PM n:\proj\109-100\ustation\struct\final\3109-100_gen_ext_tang.dgn



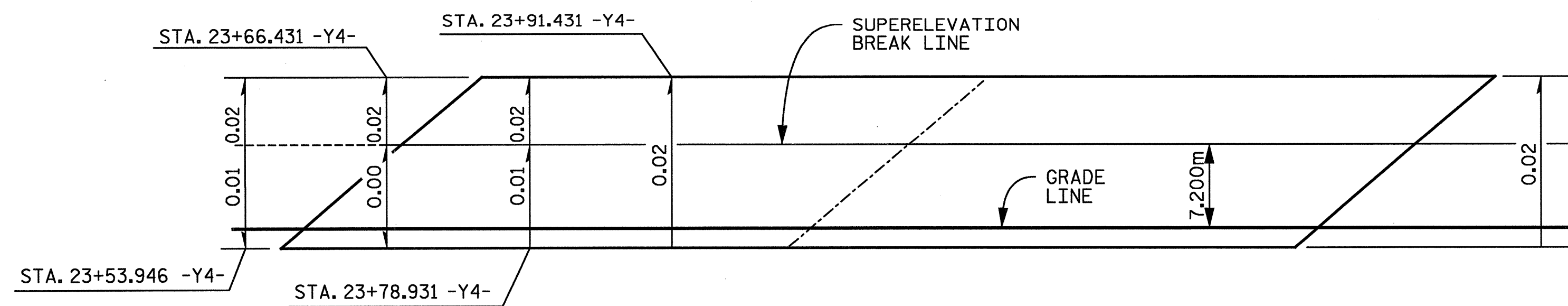
EXTENDED TANGENT LAYOUT

C SURVEY -Y4- AND GRADE LINE ARE SHOWN EXAGGERATED FOR CLARITY.

CURVE DATA

-Y4- HORIZONTAL CURVE DATA

PIs STA. 21+19.438	PI STA. 22+09.969	PIs STA. 22+99.815
$\theta_s = 7^\circ-15'-09.5''$ (RT.)	$\Delta = 16^\circ-29'-41.0''$ (RT.)	$\theta_s = 7^\circ-15'-09.5''$ (RT.)
$L_s = 100.000m$	$L = 113.716m$	$L_s = 100.000m$
$LT = 66.723m$	$T = 57.254m$	$LT = 66.723m$
$ST = 33.384m$	$R = 395.000m$	$ST = 33.384m$



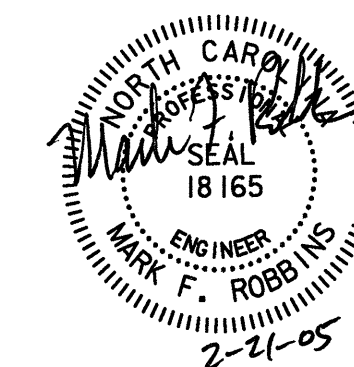
SUPERELEVATION TRANSITION

PROJECT No. R-2552C
JOHNSTON COUNTY
STATION: POT 148+08.446 -L2- =
POT 23+96.446 -Y4-

SHEET 3 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
EXTENDED TANGENT LAYOUT
-LEFT LANE-



W RALPH WHITEHEAD ASSOCIATES, INC.
CONSULTING ENGINEERS
P.O. BOX 35624 CHARLOTTE, N.C. 28235

DRAWN BY LGH DATE 8-04 DWG. NO.
CHECKED BY JTG DATE 1-05 D-1749.03

NO.	BY	DATE
1		
2		
3		
4		

SHEET
NO. 5-324
TOTAL
SHEETS 431