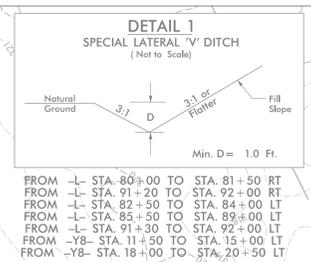


PROJECT REFERENCE NO. W-5704E	SHEET NO. EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
 706 HILLSBOROUGH STREET
 SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

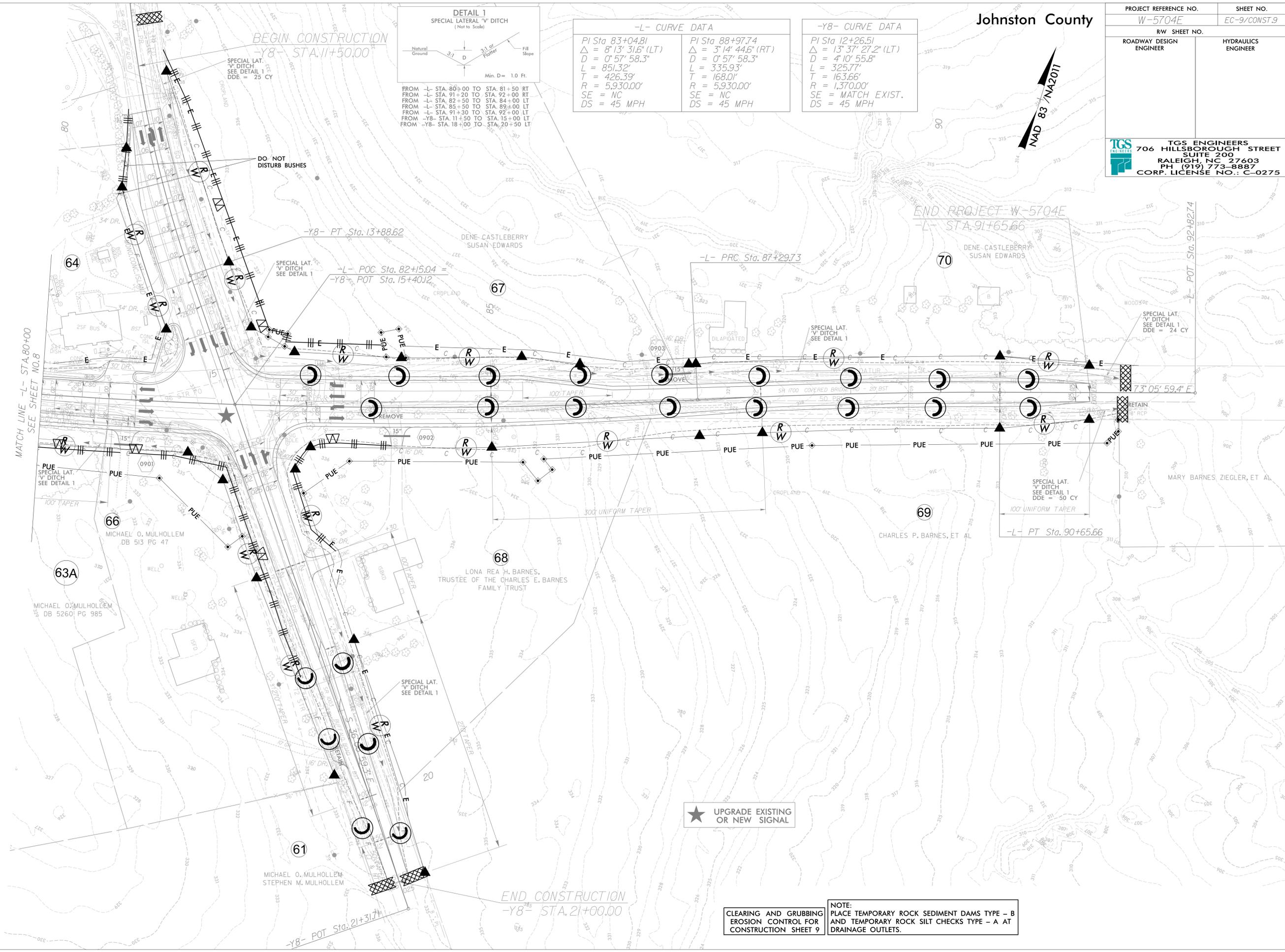


-L- CURVE DATA

PI Sta 83+04.81	PI Sta 88+97.74
$\Delta = 8^{\circ}13'31.6"$ (LT)	$\Delta = 3^{\circ}14'44.6"$ (RT)
D = 0'57"58.3"	D = 0'57"58.3"
L = 851.32'	L = 335.93'
T = 426.39'	T = 168.01'
R = 5,930.00'	R = 5,930.00'
SE = NC	SE = NC
DS = 45 MPH	DS = 45 MPH

-Y8- CURVE DATA

PI Sta 12+26.51
$\Delta = 13^{\circ}37'27.2"$ (LT)
D = 4'10"55.8"
L = 325.77'
T = 163.66'
R = 1,370.00'
SE = MATCH EXIST.
DS = 45 MPH



FROM -L- STA. 80+00 TO STA. 81+50 RT
 FROM -L- STA. 91+20 TO STA. 92+00 RT
 FROM -L- STA. 82+50 TO STA. 84+00 LT
 FROM -L- STA. 85+50 TO STA. 89+00 LT
 FROM -L- STA. 91+30 TO STA. 92+00 LT
 FROM -Y8- STA. 11+50 TO STA. 15+00 LT
 FROM -Y8- STA. 18+00 TO STA. 20+50 LT

★ UPGRADE EXISTING OR NEW SIGNAL

NOTE:
 CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 9
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.