PROJECT REFERENCE NO.	SHEET NO.
W-5704E	EC-11/CONST.4
R/W 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

Johnston County

NAD 83 / NA2011

-L- CURVE DATA

PI Sta 13+89.85	PI Sta 22+46.17
△ = 2° 04' 48.4" (LT)	△ = 31° 10' 18.2" (LT)
D = 0° 36' 05.5"	D = 5° 43' 46.5"
L = 345.80'	L = 544.05'
T = 172.92'	T = 278.94'
R = 9,525.00'	R = 1,000.00'
SE = EXISTING	SE = 04
	V = 50 MPH

-Y1- CURVE DATA

PI Sta 13+89.67	PI Sta 11+31.39
△ = 5° 56' 12.8" (RT)	△ = 27° 09' 43.0" (RT)
D = 5° 43' 46.5"	D = 21° 13' 14.4"
L = 103.62'	L = 128.00'
T = 51.86'	T = 65.22'
R = 1,000.00'	R = 270.00'

DETAIL 1
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

FROM -L- STA. 13+50 TO STA. 17+50 LT
FROM -L- STA. 20+00 TO STA. 24+50 LT
FROM -L- STA. 13+50 TO STA. 22+00 RT
FROM -Y1- STA. 14+00 TO STA. 14+74 RT

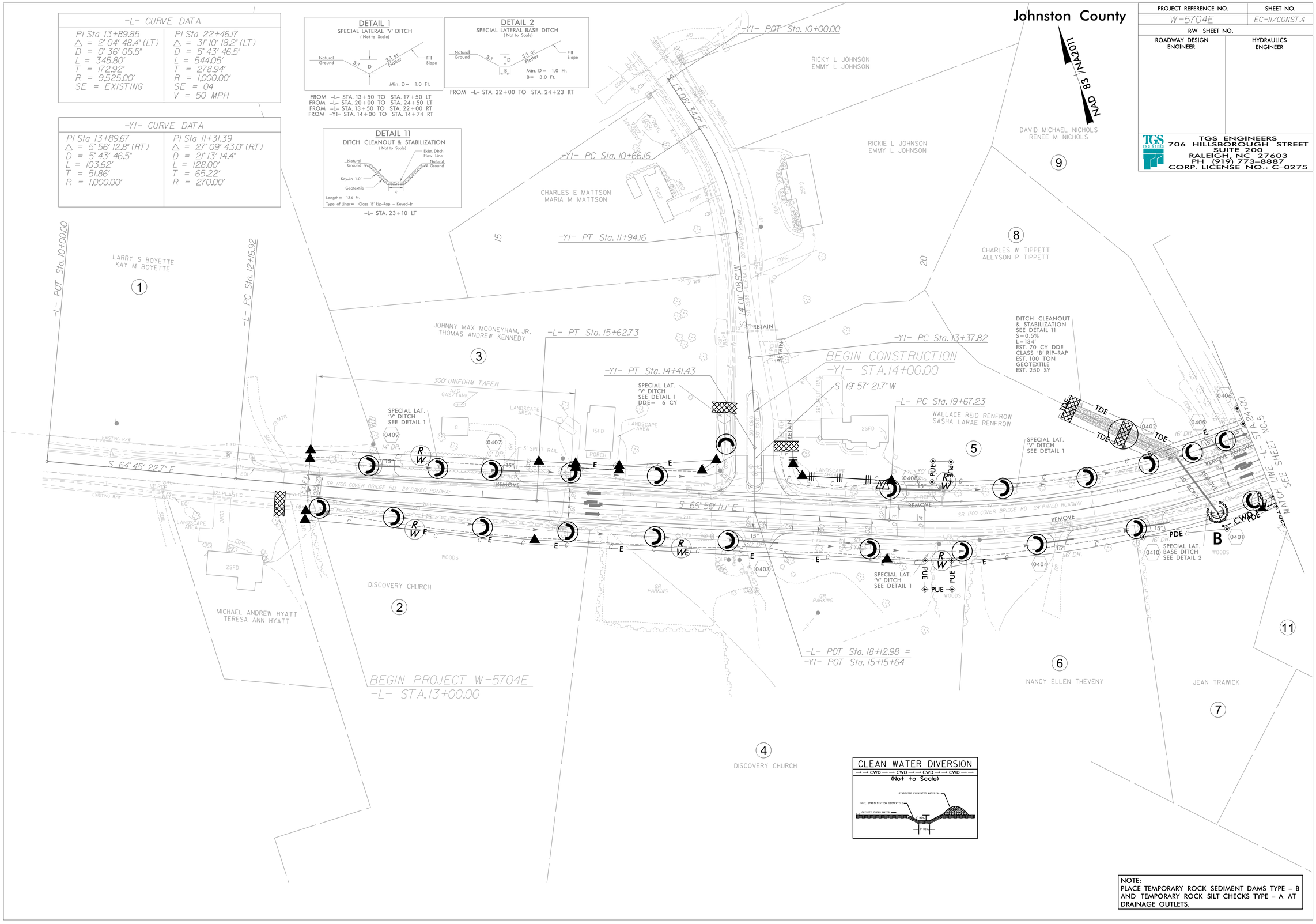
DETAIL 2
SPECIAL LATERAL BASE DITCH
(Not to Scale)

FROM -L- STA. 22+00 TO STA. 24+23 RT

DETAIL 11
DITCH CLEANOUT & STABILIZATION
(Not to Scale)

Length = 134 Ft.
Type of Liner = Class 'B' Rip-Rap - Keyed-In

-L- STA. 23+10 LT



CLEAN WATER DIVERSION
(Not to Scale)

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.