

PROJECT REFERENCE NO.
U-5797

SHEET NO.
4

RW SHEET NO.

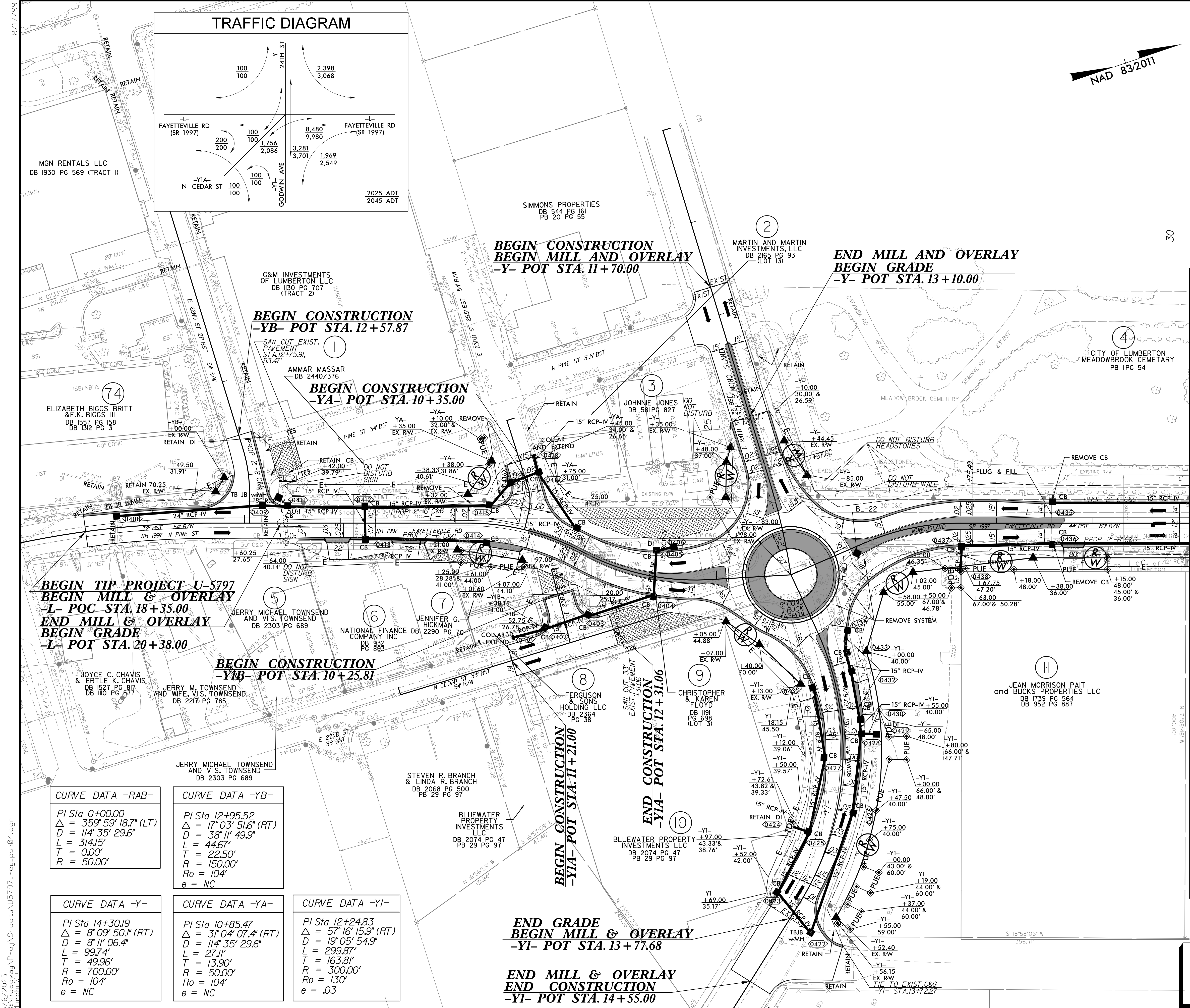
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STV Engineers, Inc.
2121 RDU Center Dr.
Suite 210
Morrisville, NC 27560
NC License Number F-0991

NOTE: PARCEL 9 IS A TOTAL TAKE,
COMBINE WITH EXISTING ROW



MATCHLINE -L- STA 30+00 SEE SHEET 5

CURVE DATA -RAB-

PI Sta 0+00.00
$\Delta = 359^{\circ} 59' 18.7''$ (LT)
D = 114' 35" 29.6"
L = 314.15'
T = 0.00'
R = 50.00'

CURVE DATA -YB-

PI Sta 12+95.52
$\Delta = 17^{\circ} 03' 51.6''$ (RT)
D = 38' 11" 49.9"
L = 44.67'
T = 22.50'
R = 150.00'
Ro = 104'
e = NC

CURVE DATA -Y-

PI Sta 14+30.19
$\Delta = 8^{\circ} 09' 50.1''$ (RT)
D = 8' 11" 06.4"
L = 99.74'
T = 49.96'
R = 700.00'
Ro = 104'
e = NC

CURVE DATA -YA-

PI Sta 10+85.47
$\Delta = 31^{\circ} 04' 07.4''$ (RT)
D = 114' 35" 29.6"
L = 27.11'
T = 13.90'
R = 50.00'
Ro = 104'
e = NC

CURVE DATA -YI-

PI Sta 12+24.83
$\Delta = 57^{\circ} 16' 15.9''$ (RT)
D = 19' 05" 54.9"
L = 299.87'
T = 163.81'
R = 300.00'
Ro = 130'
e = .03

CURVE DATA -L-

PI Sta 18+23.20	PI Sta 22+95.02
$\Delta = 17^{\circ} 05' 55.1''$ (RT)	$\Delta = 28^{\circ} 07' 50.8''$ (RT)
D = 5' 59" 58.4"	D = 22' 55" 05.9"
L = 285.00'	L = 122.74'
T = 143.57'	T = 62.64'
R = 955.00'	R = 250.00'
	Ro = 128'
	e = NC

PI Sta 24+25.67	PI Sta 27+12.07
$\Delta = 31^{\circ} 30' 51.2''$ (LT)	$\Delta = 23^{\circ} 24' 37.4''$ (RT)
D = 22' 55" 05.9"	D = 22' 55" 05.9"
L = 137.51'	L = 102.15'
T = 70.54'	T = 51.80'
R = 250.00'	R = 250.00'
Ro = 104'	Ro = 104'
e = NC	e = NC

SEE SHEET 2B-1 FOR INTERSECTION DETAILS
SEE SHEET 12 FOR -L- PROFILE
SEE SHEET 15 FOR -Y-, -RAB-, -YI-, AND -YA- PROFILES
RETAIN EXISTING RIGHT OF WAY

3/6/2025 10:00 AM C:\Users\p\rojo\Projects\U5797\rdy_psh04.dgn