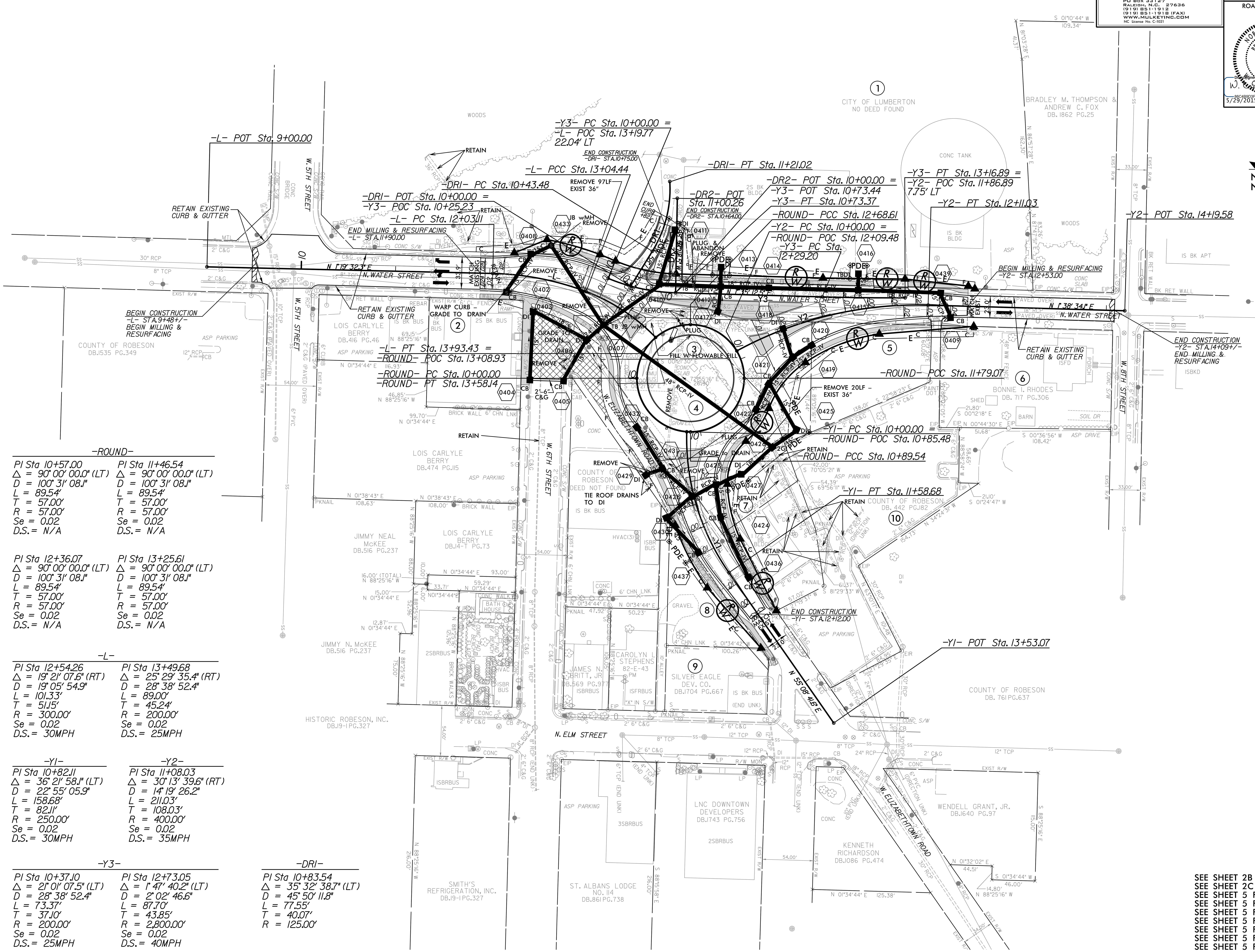
DocuSign Envelope ID: ABC2E4CF-6916-4E7E-8F1B-56A56F9D88B5

MULKEY
ENGINEERS & CONSULTANTS
PO Box 33127
Raleigh, N.C. 27636
(919) 851-1912
(919) 851-1918 (FAX)
WWW.MULKEYINC.COM
NC License No. C-1021

PROJECT REFERENCE NO.	SHEET NO.
U-5524	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 25474 ENGINEER W. CRAIG PARKER — DocuSigned by: W. Craig Parker 86C4B9D3FCCB48D... 5/29/2015	NORTH CAROLINA PROFESSIONAL SEAL 029984 ENGINEER DAVID P. BOCKER — DocuSigned by: David Bocker 93C7A1B94E6649F... 5/29/2015

REVISIONS

8/17/99



2	COUNTY OF ROBESON DEED NOT FOUND
3	CITY OF LUMBERTON DB. 4-V PG.553 DB. 4-X PG.55
4	COUNTY OF ROBESON DB. 645 PG.304
5	COUNTY OF ROBESON DB. 841 PG.680
7	COUNTY OF ROBESON DB. 19-K PG.258
8	BRUCE HUGGINS DB. 494 PG.1037 DB. 249 PG. 417

-ROUND-

PI Sta 10+57.00	PI Sta 11+46.54
Δ = 90° 00' 00.0" (LT)	Δ = 90° 00' 00.0" (LT)
D = 100° 31' 08.1"	D = 100° 31' 08.1"
L = 89.54'	L = 89.54'
T = 57.00'	T = 57.00'
R = 57.00'	R = 57.00'
Se = 0.02	Se = 0.02
D.S. = N/A	D.S. = N/A

PI Sta 12+36.07	PI Sta 13+25.61
Δ = 90° 00' 00.0" (LT)	Δ = 90° 00' 00.0" (LT)
D = 100° 31' 08.1"	D = 100° 31' 08.1"
L = 89.54'	L = 89.54'
T = 57.00'	T = 57.00'
R = 57.00'	R = 57.00'
Se = 0.02	Se = 0.02
D.S. = N/A	D.S. = N/A

-L-

PI Sta 12+54.26	PI Sta 13+49.68
Δ = 19° 21' 07.6" (RT)	Δ = 25° 29' 35.4" (RT)
D = 19° 05' 54.9"	D = 28° 38' 52.4"
L = 101.33'	L = 89.00'
T = 51.15'	T = 45.24'
R = 300.00'	R = 200.00'
Se = 0.02	Se = 0.02
D.S. = 30MPH	D.S. = 25MPH

-Y1-

PI Sta 10+82.11
Δ = 36° 21' 58.1" (LT)
D = 22° 55' 05.9"
L = 158.68'
T = 82.11'
R = 250.00'
Se = 0.02
D.S. = 30MPH

-Y2-

PI Sta 11+08.03
Δ = 30° 13' 39.6" (RT)
D = 14° 19' 26.2"
L = 211.03'
T = 108.03'
R = 400.00'
Se = 0.02
D.S. = 35MPH

-Y3-

PI Sta 10+37.10	PI Sta 12+73.05
Δ = 21° 01' 07.5" (LT)	Δ = 1° 47' 40.2" (LT)
D = 28° 38' 52.4"	D = 2° 02' 46.6"
L = 73.37'	L = 87.70'
T = 37.10'	T = 43.85'
R = 200.00'	R = 2,800.00'
Se = 0.02	Se = 0.02
D.S. = 25MPH	D.S. = 40MPH

-DR1-

PI Sta 10+83.54
Δ = 35° 32' 38.7" (LT)
D = 45° 50' 11.8"
L = 77.55'
T = 40.07'
R = 125.00'

SEE SHEET 2B FOR ROUNDABOUT DETAIL
SEE SHEET 2C FOR RIGHT-OF-WAY STATIONING
SEE SHEET 5 FOR -L- PROFILE
SEE SHEET 5 FOR -ROUND- PROFILE
SEE SHEET 5 FOR -Y1- PROFILE
SEE SHEET 5 FOR -Y2- PROFILE
SEE SHEET 5 FOR -Y3- PROFILE
SEE SHEET 5 FOR -DR1- PROFILE
SEE SHEET 5 FOR -DR2- PROFILE

5/29/2015
R:\CLIENT\Roadway\Proj\U-5524_rdy_psh.dgn
9:02:44 AM