DESIGN PUBLIC MEETING MAP
WAKE COUNTY
PROJECT U-5827

LOUIS STEPHENS DRIVE EXTENSION (SR 1632) FROM O'KELLY CHAPEL ROAD (SR 1628)/LITTLE DRIVE (SR 2153) IN RESEARCH TRIANGLE PARK TO POPLAR PIKE LANE IN MORRISVILLE

DESIGN DATA	
Functional Class	= Urban Collector Subregional Tier
Design Speed	= 40 /50 MPH
ADT 2020	= 6,800
ADT 2040	= 10,000

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

SCALE
100' 0' 50' 100'
50'
HORIZONTAL SCALE (1" = 100')

-L-

Pi Sta 12+72.28	Pi Sta 20+95.82
Θs = 0°48' 36.2"	Δ = 25°17' 59.4" (RT)
Ls = 108.00	D = 7°30' 00.0"
LT = 72.00	L = 1,653.32'
ST = 36.00'	T = 797.54'
	R = 3,819.72'
	e = exist.

Pi Sta 28+97.60	Pi Sta 31+06.23
Θs = 0°48' 36.2"	Θs = 1°37' 12.1"
Ls = 108.00'	Ls = 144.00'
LT = 72.00'	LT = 96.00'
ST = 36.00'	ST = 48.00'
Runoff = 144	

Pi Sta 33+31.31	Pi Sta 42+83.71
Δ = 7°03' 33.9" (LT)	Δ = 4°49' 52.8" (LT)
D = 2°15' 00.0"	D = 0°47' 36.9"
L = 313.76'	L = 608.10'
T = 157.07'	T = 304.21'
R = 2,546.48'	R = 7,220.00'
e = 0.023	e = NC
Runoff = 144	DS = 50 mph
DS = 50 mph	

Pi Sta 52+60.58	Pi Sta 60+41.07
Δ = 16°24' 14.7" (RT)	Δ = 37°56' 38.5" (LT)
D = 6°11' 48.8"	D = 6°11' 48.8"
L = 265.57'	L = 536.27'
T = 133.70'	T = 278.04'
R = 926.00'	R = 926.00'
e = 0.0235	e = 0.0235
Runoff = 147	Runoff = 147
DS = 40 mph	DS = 40 mph

Pi Sta 70+07.77	Pi Sta 77+95.96
Δ = 47°12' 50.8" (LT)	Δ = 29°09' 17.6" (LT)
D = 7°58' 22.0"	D = 27°44' 58.8"
L = 565.56'	L = 269.06'
T = 296.96'	T = 137.26'
R = 750.00'	R = 133.00'
DS = 40 mph	e = 0.04
	Runoff = 84
	DS = 40 mph

-L1-

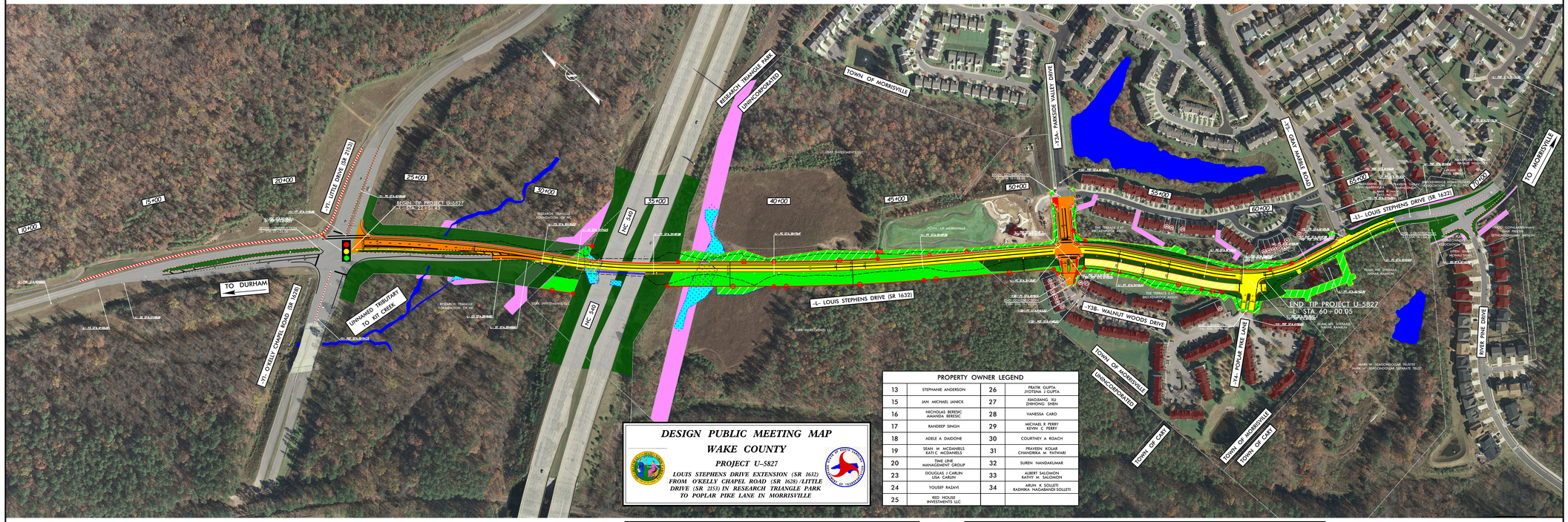
Pi Sta 16+43.62	Pi Sta 21+95.45
Δ = 18°55' 15.0" (RT)	Δ = 5°24' 46.5" (LT)
D = 8°59' 27.7"	D = 7°30' 00.0"
L = 171.53'	L = 190.86'
T = 86.58'	T = 95.45'
R = 637.60'	R = 763.94'
e = exist.	

-Y1-

Pi Sta 11+27.98	Pi Sta 14+70.37
Δ = 26°40' 55.4" (LT)	Δ = 6°06' 43.4" (LT)
D = 10°48' 35.5"	D = 5°33' 05.8"
L = 712.7'	L = 110.01'
T = 362.47'	T = 55.07'
R = 160.00'	R = 1,032.06'

-Y3B-

-Y5-



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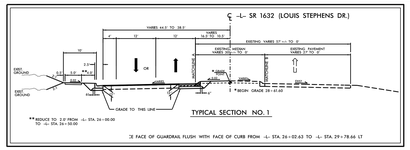
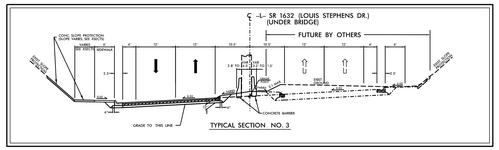
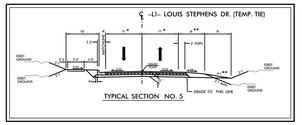
PROPERTY OWNER LEGEND			
13	STEPHANIE ANDERSON	26	PRATIK GUPTA JYOTSNA J GUPTA
15	JAN MICHAEL JANICK	27	XIAOJIANG XU ZHIHONG SHEN
16	NICHOLAS BERESIC AMANDA BERESIC	28	VANESSA CARO
17	RANDEEP SINGH	29	MICHAEL R PERRY KEVIN C PERRY
18	ADELE A DAIDONE	30	COURTNEY A ROACH
19	SEAN M MCDANIELS KATI C MCDANIELS	31	PRAVEEN KOLAR CHANDRIKA M PATWARI
20	TIME LINE MANAGEMENT GROUP	32	SUREN NANDAKUMAR
23	DOUGLAS J CARLIN LISA CARLIN	33	ALBERT SALOMON KATHY M SALOMON
24	YOUSEF RAZAVI	34	ARUN K SOLLETI RADHIKA NAGABANDI SOLLETI
25	RED HOUSE INVESTEMENTS LLC		

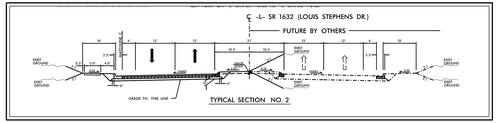
LEGEND

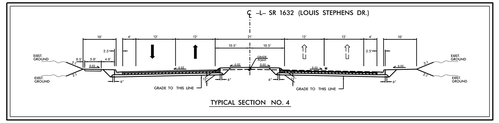
- BUILDINGS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- FUTURE ROADWAY
- PROPOSED SIDEWALK, ISLAND, CURB AND GUTTER
- EXISTING SIDEWALK, ISLAND, CURB AND GUTTER TO BE RETAINED
- EXISTING SIDEWALK, ISLAND, CURB AND GUTTER TO BE REMOVED
- FUTURE SIDEWALK, ISLAND, CURB AND GUTTER
- LAKES, RIVER, STREAMS, AND PONDS
- WETLANDS
- EXISTING UTILITY EASEMENT
- PROPERTY LINES
- CITY BOUNDARY LINES
- PROPOSED RIGHT OF WAY LINE
- PERMANENT UTILITY EASEMENT
- PERMANENT DRAINAGE EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED TRAFFIC SIGNAL

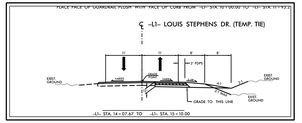












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