



### Administrative Approval Action

S-18-17, Lockwood Subdivision Transaction# 509059, AA3675

- **LOCATION:** This site is located on the south side of North King Charles Road, southwest of the intersection of North King Charles Road and Brighton Road. The address is 1019 Brighton Road and the PIN is 1714644100.
- **REQUEST:** Subdivision of a 0.369 acre site comprised of one lot and a portion of the adjacent to be recombined with it to create two lots. The property is zoned R-6. Lot 1 will be 7,291 square feet and Lot 2 will be 8,462 square feet. Both lots are being developed for single family homes and the allowable density is 5.42 units per acre where 6 units is the maximum permitted.

### DESIGN ADJUSTMENT(S): N/A

**FINDINGS:** City Administration finds that this request, with the below conditions of approval being met, conforms to the Unified Development Ordinance. This approval is based on a preliminary plan submitted by Zak Shipman of The Curry Engineering Group. The approved plan is dated August 22, 2017.

### **CONDITIONS OF APPROVAL and Next Steps:**

Note:

This document must be applied to the second sheet of all future submittals with the exception of final plats.

### Prior to issuance of a mass grading permit for the site:

1. That in accordance with Part 10A Section 9.4.4, a surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City;

### Prior to authorization to record lots:

- 2. That a nitrogen offset payment must be made to a qualifying mitigation bank;
- 3. That flood prone areas, as approved by the City Stormwater Engineer, are shown on the preliminary plan and shall be shown on the recorded map;
- 4. That a tree impact permit is obtained from the urban forester in the Parks and Recreation Department for landscaping in the public right-of-way;
- 5. That in accordance with Part 10A Section 9.4.4, a surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City;
- That prior to or in conjunction with the final subdivision map, a recombination map showing a portion of lot PIN#1714644030/1015 Brighton Road with PIN#17114644100 /1019 Brighton Road be recorded to satisfy density requirements for this subdivision case, S-18-17/ Transaction 509059. The recombination is referenced under Transaction 518876 and case R-71-17;



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- 7. That the final subdivision map show dedication of all rights-of-way and easements as shown on the preliminary plan;
- 8. That in accordance with Part 10A Section 8.1.10, a fee-in-lieu for 1' of sidewalk along the North King Charles Road frontage is paid to the City of Raleigh prior to authorization to record lots.
- That in accordance with Part 10A Section 8.1.3, a surety equal to 125% of the cost of development related public improvements on Brighton Rd., including streetscape trees, is paid to the Development Services Department, Development Engineering Division prior to authorization to record lots.

**SUNSET DATES:** If significant construction has not taken place on a project after preliminary subdivision approval, that approval may "sunset" and be declared void, requiring re-approval before permits may be issued. To avoid allowing this preliminary approval to "sunset", the following must take place by the following dates:

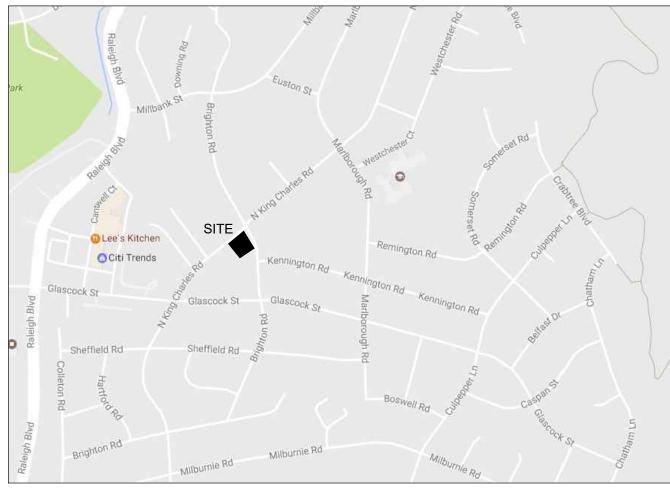
**3-Year Sunset Date:** 9-13-2020 Record entire subdivision.

I hereby certify this administrative decision.

Signed:	(Planning Dir.) Kenneth	Bours	Date: 9/13/2017
		(举7)	1 1

Staff Coordinator: Daniel L. Stegall

# LOCKWOOD INFILL SUBDIVISION CITY OF RALEIGH



### **LOCATION MAP** SCALE: NTS

### LEGEND

A RECOMBINATION PLAT IS UNDER TRANSACTION NUMBER 518876/ R-71-17 IN REFERENCE TO PIN 17114644100 AND 1015 BRIGHTON ROAD/PIN 1714644030.

SOLID WASTE STATEMENT: THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCI WITH THE REQUIREMENTS SET FORTH IN THE SOLID WASTE DESIGN MANUA

SOLID WASTE AND RECYCLING SERVICE SHALL BE PROVIDED BY CITY OF RALEI SOLID WASTE SERVICES VIA 96 GALLON ROLL-OUT CARTS. CARTS SHALL BE STOREI INSIDE COVERED GARAGE UNITS AND SHALL BE ROLLED OUT TO THE PUBLIC STREE FOR PICKUP AS SHOWN ON THE SITE PLAN.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH STANDARDS AND SPECIFICATIONS

WATER		SITE DEVELOPME	ENT
W	EXISTING WATER LINE		EX. STORM SEWER PIPE
W	WATERLINE		PROPOSED STORM SEWER
$\oplus$	EX. VALVE	S	EX. STORM STRUCTURE
<b>•</b>	PROPOSED WATER VALVE		CATCH BASIN
	POST INDICATOR VALVE (PIV)		DROP INLET
M	EX. WATER METER	$\bigcirc$	EX. STORM SEWER MANHO
Μ	WATER METER	$\bigcirc$	STORM SEWER MANHOLE
<b>_</b>	EX. FIRE HYDRANT		EX. ROOF DRAIN LEADER
-6-	FIRE HYDRANT		ROOF DRAIN LEADER
D	REDUCER FITTING	*	EX. ROOF DRAIN DOWNSPO
	PLUG FITTING	8	ROOF DRAIN DOWNSPOUT
<del> </del> T	WATERLINE TEE		EX. CURB AND GUTTER
<u>+</u>	WATERLINE CROSS		CURB AND GUTTER
$\mathcal{C}$	FIRE DEPARTMENT CONNECTION (FDC)		EXISTING PROPERTY LINE
0+	WATERLINE BLOWOFF		PROPERTY LINE
Ф	EX. WELL CASING	$\oplus$	BENCHMARK AND/OR SUR
SANITARY SEWE	R	$\oplus^{B-8}$	SOIL BORING LOCATION
SS	EXISTING SANITARY SEWER	Ψ	LIMITS OF DISTURBANCE
SAN	SANITARY SEWER MAIN		EX. TREE
	EX. SEWER MANHOLE		
S	SEWER MANHOLE	69	EX. SHRUB
	CLEANOUT	XX	EX. FENCE
	EXISTING CLEANOUT	x	PROPOSED FENCE
NATURAL GAS			EX. TOPOGRAPHIC CONTO
G	EX. GAS LINE	FG XXX_	PROPOSED TOPOGRAPHIC
G	GAS LINE	0	PROPOSED SPOT ELEVATION
	EX. GAS VALVE	Ō	EX. SIGN
	EX. GAS METER		SIGN

	MISCELLANEOUS	UTILITIES
IPE	0-¢-	EX. LIGHT POLE
EWER	⊡-¢	EX. LIGHT (WALL PACK)
IRE		PROPOSED LIGHT POLE
	Q	EX. UTILITY POLE
	Ò	UTILITY POLE
IANHOLE	$\checkmark$	EX. GUY WIRE
HOLE	$\bigcirc$	EX. ELECTRICAL METER
DER	OHP	EX. OVERHEAD ELECTRIC LINE
ł	OHP	PROPOSED OVERHEAD ELECTRIC LINE
VNSPOUT	UGP	EX. UNDERGROUND ELECTRIC LINE
POUT	UGP	PROPOSED UNDERGROUND ELECTRIC
ER	Т	EX. TELEPHONE PEDESTAL
	T	TELEPHONE PEDESTAL
LINE	$\overline{T}$	EX. TELEPHONE MANHOLE
	ОНТ	EX. OVERHEAD TELEPHONE LINE
SURVEY	OHT	OVERHEAD TELEPHONE LINE
ON	OFO	EX. OVERHEAD FIBER LINE
NCE	OFO	OVERHEAD FIBER LINE
NCE	С	EX. CABLE PEDESTAL
	ОНС	EX. OVERHEAD COMMUNICATIONS LINE
	——ОНС——	OVERHEAD COMMUNICATIONS LINE
	UGC	EX. UNDERGROUND COMMUNICATIONS
ONTOUR	UGC	UNDERGROUND COMMUNICATIONS LIN
APHIC CONTOUR	——ОНИ ———	EX. OVERHEAD UTILITY LINE-MULTIPLE UTILITIES
EVATION		UTILITIES
	0	BOLLARD
	0	PROPERTY MARKER/IRON PIPE
	0	EX. SURVEY MONUMENT

# WAKE COUNTY, NORTH CAROLINA

# PRELIMINARY SUBDIVISION DRAWINGS CASE NUMBER S-18-17

ED UNDERGROUND ELECTRIC LINE

RGROUND COMMUNICATIONS LINE

@/-AT AC-ACRE AFG- ABOVE FINISHED GRADE APPR-APPROXIMATE ASSY-ASSEMBLY **B/C-BOTTOM OF CURB** BOC-BACK OF CURB **B/L-BASE LINE BM-BOOK OF MAPS BMP-BEST MANAGEMENT PRACTICE BW-BOTTOM OF WALL CB-CATCH BASIN** C&G-CURB AND GUTTER C/L-CENTERLINE CL-CLASS CMP-CORRUGATED METAL PIPE CO-CLEANOUT COMM-COMMUNICATIONS CONC-CONCRETE CONN-CONNECTION CY-CUBIC YARD DB-DEED BOOK

DCV-DOUBLE CHECK VALVE DDCV-DOUBLE DECTECTOR CHECK VALVE DI-DROP INLET DIP-DUCTILE IRON PIPE DR-DRIVEWAY

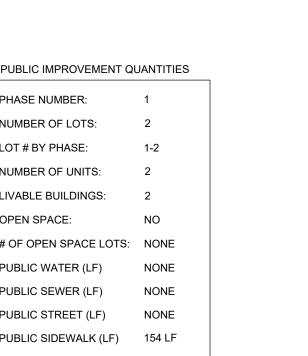
zak@curryeng.com

The Curry Engineering Group, PLLC NC License # P-0799 PO Box 2018 205 S. Fuquay Ave Fuquay-Varina, NC 27526 919.552.0849 (o) Contact: Zak Shipman, PE

**Civil Engineer:** 

PHASE NUMBER

NUMBER OF LOTS: LOT # BY PHASE: 1-2 NUMBER OF UNITS: LIVABLE BUILDINGS: OPEN SPACE: NO # OF OPEN SPACE LOTS: NONE PUBLIC WATER (LF) NONE PUBLIC SEWER (LF) NONE PUBLIC STREET (LF) NONE PUBLIC SIDEWALK (LF) 154 LF STREET SIGNS NONE



### Preliminary Subdivision Plan Application

lopment Services Customer Service Center | 1 Exchange Plaza, Suite 400 | Ra

Litchford Satellite Office | 8320 - 130 Litchford Road | Raleigh, When submitting plans, please check the appropriate review type and i Office Use Only: Transaction # Project Coordinator PRELIMINARY APPROVALS Compact De \*May require City Council approval if in a Metro Park Overlay ( If your project has been through the Due Diligence process, provide the transaction GENERAL INFORMATIO elopment Name Brighton Infill Subdivis roposed Use Single-Family Residentia Property Address(es) 1019 Brighton Road Wake County Property Identification Number(s) for each parcel to which these guide PIN Recorded Dee 714644100 What is your project ty 🔳 Single family 📃 Townhouse 📃 Subdivision in a non-residential z Other (describe) **OWNER/DEVELOPER INFORMAT** Company Name Harley Properties, LLC Owner/Develope Address PO Box 1656 Apex, NC 27502 Phone (919) 280-8783 Email mark@harleyproperties.con CONSULTANT/CONTACT PERSON FOR Company Name The Curry Engineering Group Contact Name Za Address 205 S. Fuquay Avenue, Fuquay-Varina, NC 27502 Phone (919) 552-0849 Emailzak@curryeng.com

WWW.RALEIGHNC.GOV

CIVIL SERIES DRAWING ABBREVIATIONS:

**DS-DOWNSPOUT** MECH-MECHANICAL FDC-FIRE DEPARTMENT CONNECTION OHT-OVERHEAD TELEPHONE FFE-FINISHED FLOOR ELEVATION HDPE-HIGH DENSITY POLYETHYLENE PS-PUMP STATION HORIZ-HORIZONTAL IN-INCHES INV-INVERT **IP-IRON PIPE IPS-IRON PIPE SET** L-LENGTH **LF-LINEAR FOOT** LP-LIGHT POLE LS-LIFT STATION

MH-MANHOLE MIN-MINIMUM **MJ-MECHANICAL JOINT** NIC-NOT IN CONTRACT **OHE-OVERHEAD ELECTRIC** OHP-OVERHEAD POWER PB-PLAT BOOK PC-POINT OF CURVATURE PED-PEDESTRIAN PG-PAGE PH-PHASE **PI-POINT OF INTERSECTION PIV-POST INDICATOR VALVE PKG-PARKING** P/L-PROPERTY LINE PT-POINT OF TANGENCY PP-POWER POLE **PVC-POLYVINYL CHLORIDE PVMT-PAVEMENT PWR-POWER** R-RADIUS **RD-ROOF DRAIN** RJ-RESTRAINTED JOINT RPZ-REDUCED PRESSURE ZONE WSEL-WATER SERVIC

PAGE 1 OF 3

**R/W-RIGHT OF WAY** REQD-REQUIRED RCP-REINFORCED CC SAN-SANITARY SEWE SDWK-SIDEWALK SF-SQUARE FOOT SPT-SPOT GRADE SS-SANITARY SEWER STA-STATION STD-STANDARD STM-STORM STMH-STORM SEWER SWM-STORMWATER T-TELEPHONE T/C-TOP OF CURB **TCM-TELEPHONE MA TS&V-TAPPING SLEE** UGE-UNDERGROUND UNK-UNKNOWN **UP-UTILITY POLE** VAR-VARIABLE VERT-VERTICAL W/-WITH WM-WATER METER W/O-WITHOUT W/L-WATERLINE WV-WATER VALVE

## Surveyor:

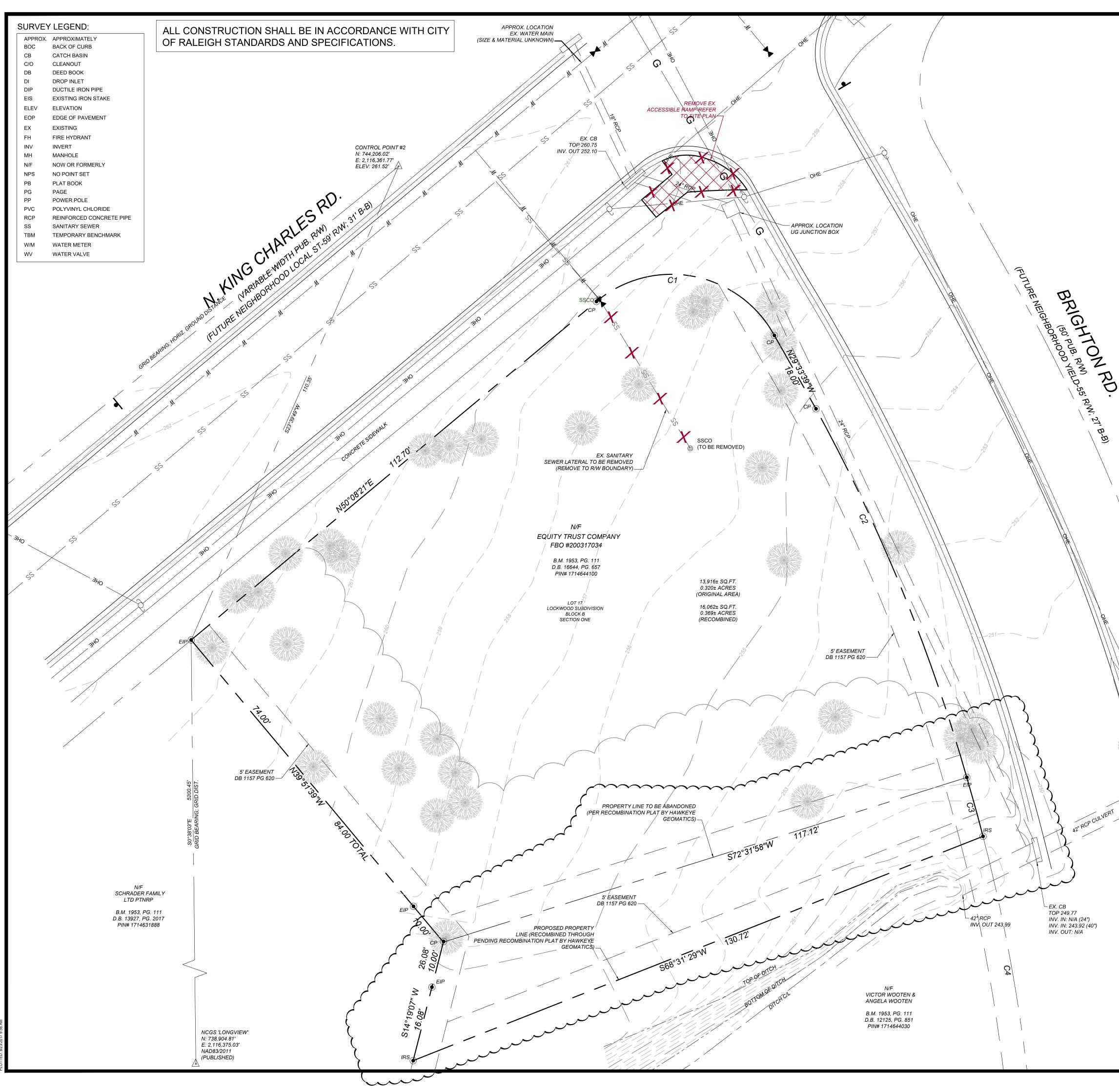
Hawkeye Geomatics. PC 2140 Page Road, Suite 104 **Durham, NC 27770** 919.937-2125 (o) Contact: Aaron J. Perkinson, PLS

# TRANSACTION # 509059

EA-EACH **EIP-EXISTING IRON PIPE** ELEC-ELECTRICAL E/P-EDGE OF PAVEMENT EX-EXISTING F/C-FACE OF CURB FG-FINISHED GRADE FH-FIRE HYDRANT F/L-FLOW LINE **FM-FORCE MAIN** FT-FOOT G-GAS GND-GROUND **GV-GATE VALVE** 

					]	
DE	/ELOPMENT ERVICES PARTMENT	DEVELOPMENT TYPE AN	ID SITE DATE TABLE (Applicable to ZONING INFORMATION	all developments)		<b>IBDIVISIO</b>
Plaza, Suite 400   Raleigh, NC 27601   919-996-2495   efax 9 hford Road   Raleigh, NC 27601   919-996-4200	919-996-1831	Zoning District(s) R-6	20Mild INFORMATION			
review type and include the Plan Checklist docur	nent	If more than one district, provide the acreage of	each:			
		Overlay District? 🗌 Yes 🔳 No		01 - 11 1011-0010/00/0		
tor Team Leader		Inside City Limits?  Yes No				
=	Manata care	CUD (Conditional Use District) Case # Z- COA (Certificate of Appropriateness) Case #				
	tive Subdivision	BOA ( Board of Adjustment) Case # A-				
tro Park Overlay or Historic Overlay District		S	TORMWATER INFORMATION			S E
• the transaction #:		Existing Impervious Surface 0 a	cres/sf Flood Hazard Area	Yes 🔳 No		
ORMATION		Proposed Impervious Surface 6,000 sf	cres/sf Neuse River Buffer	Yes No		SI SI
		If in a Flood Hazard Area, provide the following:	Wetlands	Yes No		
a paramatan terretakan		Alluvial Soils Flood Stud	y FEMA Map F	Panel #		INFI VER
10 B WAL		N	UMBER OF LOTS AND DENSITY			<b>  2 </b>
vhich these guidelines will apply: PIN Recorded Deed PIN Recorded	Deed	Total # of Townhouse Lots: Detached	Attached			
		Total # of Single Family Lots 2	Total # of All Lots 2			
a non-residential zoning district		Overall Unit(s)/Acre Densities Per Zoning Districts	5.42 UN/AC.			120
		Total # of Open Space and/or Common Area Lots				
R INFORMATION		SIGNATURE	BLOCK (Applicable to all developm	ients)		
Owner/Developer Name Mark King		In filing this plan as the property owner(s), I/we d successors and assigns jointly and severally to cor				
i instruction of		subdivision plan as approved by the City.	istruct an improvements and make an ded	cations as shown on this pro	posed	
yproperties.com Fax		I hereby designate administrative comments, to resubmit plans on m	to serve as my agent regarding this appl			
T PERSON FOR PLANS		I/we have read acknowledge, and affirm that this				I C
Contact Name Zak Shipman, PE		development use.	1 1	Jan		<b>LOC</b>
r7502 ng.com Fax		Signature	3/22/17			
			Date			
		Signature	Date			
GHNC.GOV REVIS	ION 03.11.16	PAGE 2 OF 3	WWW.RALEIGHNC.GOV	REVISIO	N 03-11-16	
OF WAY QUIRED FORCED CONCRETE PIPE FARY SEWER EWALK E FOOT GRADE MY SEWER ON DARD M RM SEWER MANHOLE RMWATER MANAGEMENT	EXISTI	CIVIL DR SHEET NG CONDITIONS SUR MINARY SUBDIVISION			C-00 C-01 C-02	1 1849 205 S. Fuquay Avenue 2043 Fuquay-Varina, NC 27526
ONE IF CURB	BLOCK	PERIMETER MAP			C-03	552-0
PHONE MANHOLE					L-01	T (919) 552-0849 F (919) 552-2043
PING SLEEVE AND VALVE ERGROUND ELECTRIC					-	
IOWN ( POLE	NOTES	AND DETAILS			D-01	
ABLE TICAL	NOTES	AND DETAILS			D-02	
R METER OUT	TOTAL	NUMBER OF DRAWIN	NGS:		7	
RLINE TER SERVICE ELEVATION R VALVE						
Develop	er:	RECORD MAP REF MAP BOOK 1953	-			
Harley Properties PO Box 1656	S LLC			SEAL		
Apex, NC 27502 919.280.8783 Contact: Mr. Mark King mark@harleyproperties		HORIZONTAL DATU				
TION # 50		NOT FOR CO	NSTRUCTION			C-00

NOT FOR CONSTRUCTION



PROJECTS FOLDER-ZEBULON/2017/2017-009 LOCKWOOD INFILL SUBDIVISION-RALEIGH, NC/PLANSISITE PLAN/SHEET FILES/C-01 EXISTING CONDITIONS.DV

### GENERAL SURVEY NOTES:

1. EXISTING CONDITIONS AND TOPOGRAPHICAL DATA OF THE SUBJECT PARCEL ARE COMPILED FROM A FIELD SURVEY OF THE PROPERTY BY HAWKEYE GEOMATICS AND IS NOT THE RESULT OF A FIELD SURVEY BY THE CURRY ENGINEERING GROUP, PLLC. ADDITIONAL EXISTING CONDITIONS DATA PROVIDED BY SUPPLEMENTAL DATA INCLUDING AERIAL PHOTOGRAPHY, WAKE COUNTY GIS DATA, AND OTHER DATA SOURCES AS REQUIRED.

2. REFER TO EROSION AND SEDIMENT CONTROL PLAN AND CONSTRUCTION SEQUENCE BEFORE PERFORMING ANY CLEARING, GRUBBING, OR DEMOLITION OPERATIONS.

- 3. NO TITLE OPINION ON THIS PROPERTY HAS BEEN FURNISHED.
- 4. AREAS COMPUTED BY THE COORDINATE METHOD.

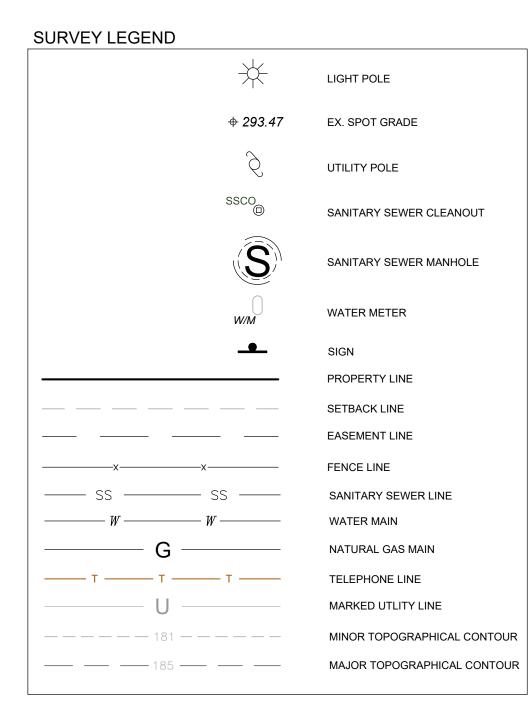
5. THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS, COVENANTS, AND RESTRICTIONS OF RECORD.

6. ALL DISTANCES SHOWN ON THE SURVEY ARE HORIZONTAL GROUND DISTANCES.

7. THE PROPERTY SHOWN IS LOCATED IN FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE CONDITIONS 1% ANNUAL CHANCE FLOODPLANE PER FEMA FIRM PANEL 3720171400J DATED 05/02/06

8. VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83

9. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS, DEPTHS, AND MATERIALS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITY ON SITE. UNDERGROUND UTILITIES ARE SHOWN BASED ON MARKINGS PROVIDED BY THE NC ONE CALL CENTER AND ABOVE GROUND EVIDENCE. EXISTING CONDITIONS SHOULD BE CONSIDERED APPROXIMATE IN NATURE. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THE INFORMATION GIVEN, ACTUAL FIELD CONDITIONS MAY VARY AND SHOULD BE CONFIRMED PRIOR TO CONSTRUCTION.



	CURVE TABLE							
CURVE # LENGTH RADIUS DELTA CHORD BEARING CHO						CHORD DIST.		
	C1	44.20	25.00	101°18'04"	S79° 12' 37"E	38.66		
	C2	85.17	382.90	12°44'39"	S22° 15' 17"E	84.99		
	C3	13.04	382.90	1°57'05″	N15° 26' 38"W	13.04		
	C4	81.86	382.90	12°14'57"	N8° 20' 37"W	81.70		

SCALE: 1 IN =10 FT

SCALE IN FEET HORIZONTAL

NOT FOR CONSTRUCTION

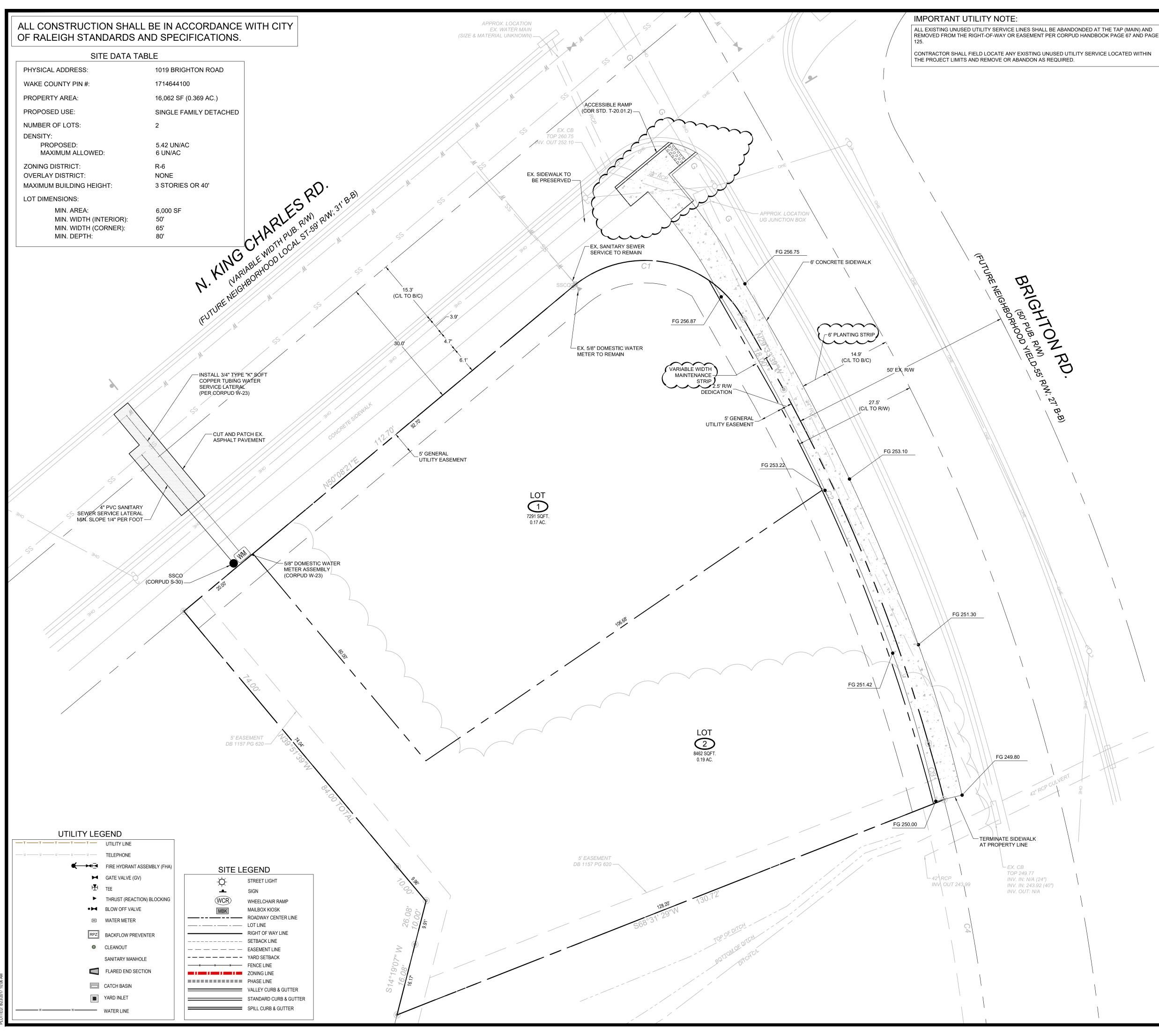
BEFORE YOU DIG CALL TOLL FREE 1 800 632 4949

NORTH CAROLINA ONE-CALL CENTER

**C-01** 



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### **GENERAL SITE PLAN NOTES:**

1. EXISTING CONDITIONS AND TOPOGRAPHICAL DATA OF THE SUBJECT PARCEL ARE COMPILED FROM A FIELD SURVEY OF THE PROPERTY BY HAWKEYE GEOMATICS AND IS NOT THE RESULT OF A FIELD SURVEY BY THE CURRY ENGINEERING GROUP, PLLC. ADDITIONAL EXISTING CONDITIONS DATA PROVIDED BY SUPPLEMENTAL DATA INCLUDING AERIAL PHOTOGRAPHY, WAKE COUNTY GIS DATA, AND OTHER DATA SOURCES AS REQUIRED.

2. CLEARING AND MASS GRADING IS NOT PROPOSED FOR THIS PROJECT SITE. SELECTIVE CLEARING AND LIGHT GRADING OPERATIONS WILL BE DENOTED ON PLOT PLANS PROVIDED AT TIME OF BUILDING PERMIT.

3. NO TITLE OPINION ON THIS PROPERTY HAS BEEN FURNISHED. 4. AREAS COMPUTED BY THE COORDINATE METHOD.

5. THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS, COVENANTS, AND RESTRICTIONS OF RECORD.

6. ALL DISTANCES SHOWN ON THE SURVEY ARE HORIZONTAL GROUND DISTANCES.

7. THE PROPERTY SHOWN IS LOCATED IN FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE CONDITIONS 1% ANNUAL CHANCE FLOODPLANE PER FEMA FIRM PANEL 3720171400J DATED 05/02/06

8. VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83

9. ALL DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.

10. COORDINATE POWER, TELEPHONE, CABLE, AND OTHER UNDERGROUND UTILITY INSTALLATION WITH THE APPROPRIATE UTILITY PROVIDER AND THE CITY OF RALEIGH.

11. CONTRACTOR IS RESPONSIBLE FOR VERIFIYING ALL GRADES PRIOR TO THE START OF CONSTRUCTION.

12. THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FDC POINTS, OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN THE WATER METER AND ANY REQUIRED CORPUD BACKFLOW PREVENTION DEVICES.

14. ALL SANITARY SEWER CLEANOUTS IN PAVEMENT AREAS SHALL BE TRAFFIC RATED.

### STANDARD UTILITY NOTES (AS APPLICABLE):

13. MAINTAIN A MINIMUM OF 3' COVER OVER ALL WATER PIPING.

1. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS, AND SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION). 2. UTILITY SEPARATION REQUIREMENTS:

- a. A DISTANCE OF 100 FEET SHALL BE MAINTAINED BETWEEN SANITARY SEWER AND ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED AND INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25 FEET FROM A PRIVATE WELL OR 50 FEET FROM A PUBLIC WELL.
- b. WHEN INSTALLING WATER AND/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10 FEET. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER AND MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER. WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER
- A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10 FEET ON EACH SIDE OF CROSSING MUST BE SPECIFIED AND INSTALLED TO WATERLINE SPECIFICATIONS. d. 5 FEET MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER AND STORM
- SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER. e. MAINTAIN 18 INCH MIN. VERTICAL SEPARATION AT ALL WATERMAIN AND RCP STORM DRAIN CROSSINGS; MAINTAIN 24 INCH MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER AND RCP STORM DRAIN
- CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS AND A CONCRETE CRADLE HAVING 6 INCHES MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49) f. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER AND SEWER FACILITIES WITH 18 INCH MIN. VERTICAL SEPARATION REQUIRED.

3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW AND APPROVAL OF AN AMENDED PLAN AND/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION. 4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER AND SEWER SERVICE TO EXISTING RESIDENCES AND BUSINESSES THROUGHOUT CONSTRUCTION OF THE PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS AND SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.

6. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER AND SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN AND REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE. 7. INSTALL 3/4 INCH COPPER\* WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'x2' WATERLINE

EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANTS RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW AND PRESSURE 8. INSTALL 4 INCH PVC\* SEWER SERVICES AT 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE AND SPACED EVERY 75 LINEAR FEET MAXIMUM 9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER

VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0 FEET ABOVE THE NEXT UPSTREAM MANHOLE. 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE,

AND/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND, AND/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION. 11. NCDOT/RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS AND SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.

12. GREASE INTERCEPTOR/OIL WATER SEPARATOR SIZING CALCULATIONS AND INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 250-7825 OR TIMOTHY BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION. 13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HELVEY AT (919) 212-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

IMPORTANT STORMWATER NOTE: AS ADOPTED BY TC-2-16, SECTION 9.2.2.A.1, OF PART 10A OF THE RALEIGH UNIFIED DEVELOPMENT ORDINANCE, THESE LOTS ARE EXEMPT FROM ACTIVE STORMWATER MEASURES AND SUBJECT TO FURTHER REVIEW UPON PLACEMENT OF IMPERVIOUS SURFACE AREA. THE SUBDIVISION IS TO USED FOR SINGLE UNIT LIVING AND IS PART OF A SUBDIVISION 1 ACRE OR LESS IN AGGREGATE

SIZE.

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BEFORE YOU DIG CALL TOLL FREE 1 800 632 4949 INORTH CAROLINA	SCALE: 1 IN =10 FT 0 10' 20' SCALE IN FEET HORIZONTAL	
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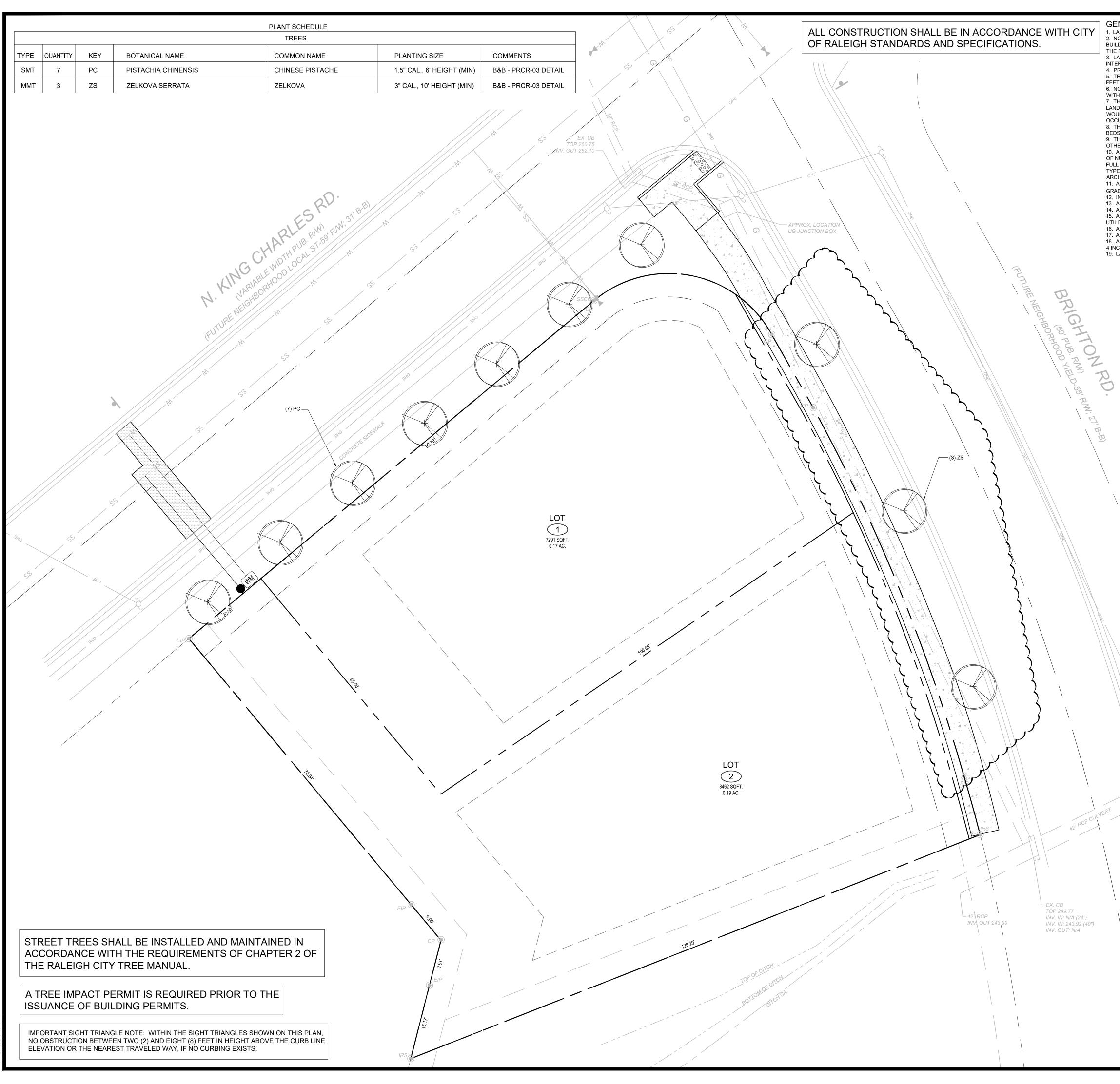
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### GENERAL SITE PLAN NOTES:

 LANDSCAPING SHALL COMPLY WITH THE CITY OF RALEIGH LANDSCAPING ORDINANCE.
 NO PERMIT FOR THE CONSTRUCTION, RECONSTRUCTION, EXTENSION, REPAIR, OR ALTERATION OF ANY BUILDING, STRUCTURE, OR USE OF LAND AND NO BUILDING OR LAND OR ANY PART OF ANY BUILDING OR LAND, MAY BE OCCUPIED OR USED UNTIL LANDSCAPING HAS BEEN APPROVED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS UDO.
 LANDSCAPING SHALL NOT OBSTRUCT THE VIEWS OF MOTORISTS USING ANY STREET, DRIVEWAY, PARKING AISLE, OR THE APPROACH TO ANY STREET

INTERSECTION. ALL LANDSCAPING INSTALLATIONS MUST COMPLY WITH THE SIGHT TRIANGLE REQUIREMENTS OF THE RALEIGH STREET DESIGN MANUAL.
PRIOR TO CONSTRUCTION, TREE PROTECTION FENCING MUST BE INSTALLED AROUND ALL AREAS NOTED AS TREE CONSERVATION AREAS.
TREES CANNOT BE PLANTED WITHIN A TREE CONSERVATION AREA OR THE CRITICAL ROOT ZONE OF AN EXISTING TREE AND MUST BE PLANTED AT LEAST 15 FEET FROM ANY OTHER TREE AND NO FURTHER THAN 50 FEET FROM ANY TREE, MEASURED TREE TRUNK TO TREE TRUNK.
NO REQUIRED LANDSCAPING OR SCREENING SHALL BE PLANTED INSIDE UTILITY AND DRAINAGE EASEMENTS, EXCLUDING OVERHEAD EASEMENTS, WITHOUT THE CONSENT OF THE CITY AND THE EASEMENT HOLDER.

7. THE OWNER OR TENANT IS RESPONSIBLE FOR MAINTAINING ALL REQUIRED LANDSCAPING IN GOOD HEALTH, ANY DEAD, UNHEALTHY, OR MISSING LANDSCAPING MUST BE REPLACED WITH LANDSCAPING THAT CONFORMS TO THIS UDO WITHIN 30 DAYS (OR WITHIN 180 DAYS WHERE WEATHER CONCERNS WOULD JEOPORDIZE THE HEALTH OF PLANT MATERIALS). IN THE EVENT THAT REQUIRED LANDSCAPE IS SEVERELY DAMAGED DUE TO AN UNUSUAL WEATHER OCCURANCE OR OTHER ACT OF NATURE, THE OWNER OR TENANT MAY HAVE 2 YEARS TO REPLACE THE REQUIRED LANDSCAPE. 8. THE CONTRACTOR SHALL MAINTAIN OR PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND WITHIN PLANTING

 9. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THIS DRAWING UNLESS OTHERWISE DIRECTED BY THE OWNER. THE PLAN SHALL SUPERSEDE THE PLANT SCHEDULE IF THERE ARE DISCREPANCIES BETWEEN THE TWO.
 10. ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM STANDARDS SET BY THE USDA FOR NURSERY STOCK, SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMAN, INC., WASHINGTON D.C. ALL PLANT MATERIAL SHALL BE OF THE HIGHEST QUALITY AVAILABLE. TREES SHALL HAVE STRAIGHT TRUNKS AND FULL HEADS (APPROPRIATE FOR GENUS AND SPECIES). SHRUBS SHALL BE LOW BRANCHED AND FULL EXCEPT AS SPECIFIED. ALL MATERIAL OF THE SAME TYPE SHALL BE MATCHED IN HEIGHT, SPREAD, AND FORM. ANY PLANT MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY THE OWNER AND/OR LANDSCAPE

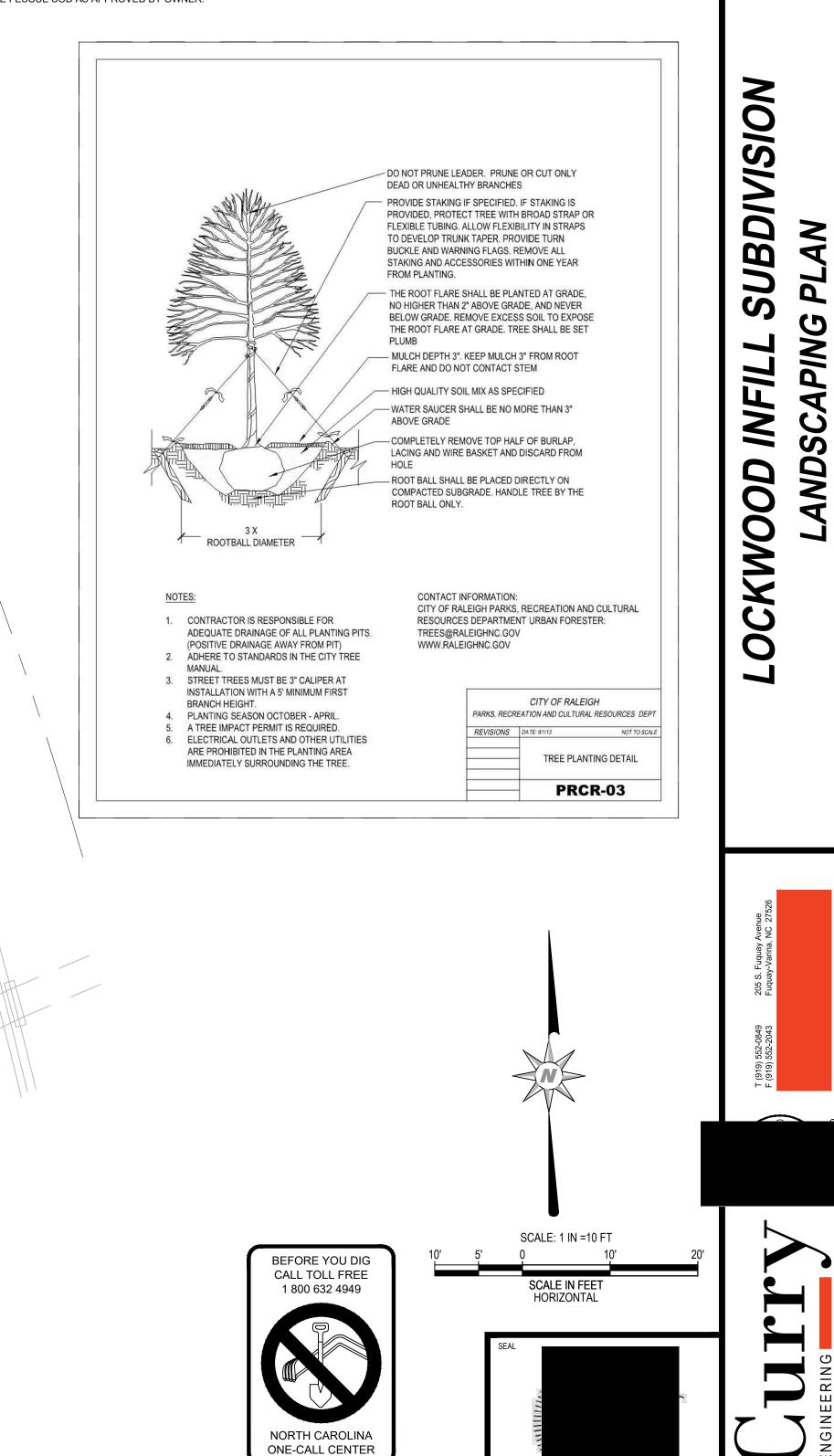
ARCHITECT. 11. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE ORIGINAL GRADES BEFORE DIGGING. THE CONTRACTOR SHALL REVISE GRADES AT A MINIMUM OF +/- ½% TO ENSURE SMOOTH TRANSITIONS BETWEEN PLANTING BEDS AND LAWN AREAS. 12. INSTALL A MINIMUM OF 3" DEPTH OF TRIPLE SHREDDED HARDWOOD MULCH AS APPROVED BY THE OWNER.

13. ALL PLANT MATERIAL IS SUBJECT TO APPROVAL OF THE OWNER.

14. ALL TREES LOCATED ADJACENT TO WALKS AND DRIVES SHALL HAVE A MINIMUM OF 6' CLEARANCE HEIGHT TO THE FIRST BRANCHING. 15. ALL TREES SHALL BE PLACED A MINIMUM OF 3' FROM SIDEWALKS, CURBS, AND HARDSCAPE, AND A MINIMUM OF 6' FROM FIRE HYDRANTS AND OTHER UTILITIES, UNLESS NOTED OTHERWISE ON THE PLANS.

16. ALL PLANTS SHALL BE INSTALLED PER GENERALLY ACCEPTABLE PLANTING STANDARDS. 17. ALL PLANTS AND STAKES SHALL BE SET PLUMB, UNLESS OTHERWISE SPECIFIED.

18. ALL PLANTING BED EDGES TO BE SMOOTH FLOWING ARCS, UNLESS OTHERWISE SPECIFIED. BED EDGES SHALL BE SMOOTH, CONSISTENT, TRENCHED 3 TO 4 INCHES DEEP, AND "V" SHAPED. ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE BED EDGE AND PLANTING BED. 19. LAWN TO BE FESCUE SOD AS APPROVED BY OWNER.



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