

S-41-18 / Stoneridge Estates Transaction # 566586, AA # 3931 City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2495
DS.help@raleighnc.gov
www.raleighnc.gov

**LOCATION:** This site is located on the west side of Ebenezer Church Road, and north side

of Stoneridge Road. The site is addressed at 3901 Ebenezer Church Rd, which

is outside the City corporate limits.

**REQUEST:** Subdivision of a 16.94-acre tract zoned R-2 with Metro Park Overlay District

(MPOD) under the Conservation Development Option. Development plans

propose 27 lots for detached homes and 2 common open lots.

DESIGN ADJUSTMENT(S)/

ALTERNATES, ETC: A design adjustment for lots 1 through 19 has been submitted to the block

perimeter requirements of Unified Development Ordinance Article 8.3.

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 dated 1/28/2019 by Bohler Engineering NC PLLC.

#### **CONDITIONS OF APPROVAL and NEXT STEPS:**

This document must be applied to the second sheet of all future submittals except for final plats. This is a preliminary plan and as such no permits have been issued with this approval. To obtain permits and/or completion of the project, the following steps are required:

□ CONCURRENT SITE REVIEW NOT REQUIRED AT THIS TIME – However, plan revisions or further development that includes land disturbance of 12,000 square feet or greater, public or private infrastructure, shared stormwater devices, etc. will require concurrent site review.

☑ <u>CONCURRENT SITE REVIEW</u> - For land disturbance of 12,000 square feet or greater, public or private infrastructure, shared stormwater devices, etc. Concurrent Site Review may be submitted upon receipt of this signed approval document.

The following items are required prior to approval of Concurrent Site Review plans:

#### **Engineering**

- 1. Required NCDOT encroachment and/or driveway permits must be approved and copies provided to Development Services Development Engineering prior to concurrent review approval.
- 2. A right-of-way obstruction permit must be obtained from Right-of-way Services prior to the commencement of any construction activities within the right-of-way.

#### Stormwater

3. A 100-year floodplain analysis shall be submitted and approved by the Engineering Services Department prior to the issuance of any grading or site permit (UDO 9.3).

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- 4. The State of North Carolina shall approve any proposed disturbance within the riparian buffer prior to the issuance of any grading or site permit If applicable, State and ACOE approvals for impacts to wetlands and stream will also be required. (UDO 9.2.3.E).
- 5. A stormwater control plan with a stormwater operations and maintenance manual and budget shall be approved (UDO 9.2).
- 6. A surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City (UDO 9.4.4).

#### **Urban Forestry**

- 7. Submit a final tree conservation plan that includes metes and bounds descriptions of all tree conservation areas and tree protection fencing as required (UDO 9.1.5).
- 8. Tree protection fence must be inspected by Urban Forestry staff prior to the issuance of a grading permit.

#### General

9. That access easement(s) from the proposed Stoneridge Forest Drive be provided to Open Space Lot 29 in accordance with UDO Sections 2.5.3.D and 2.5.3.F. The access easement shall be shown on all concurrent site review plans and plats for recordation.

□ LEGAL DOCUMENTS - Email to legaldocumentreview@raleighnc.gov. Legal documents must be approved, executed, and recorded prior to or in conjunction with the recorded plat on which the associated easements are shown. Copies of recorded documents must be returned to the City within one business day of recording to avoid withholding of further permit issuance.

$\boxtimes$	City Code Covenant	$\boxtimes$	Slope Easement
$\boxtimes$	Stormwater Maintenance		Transit Easement
	Covenant		
$\boxtimes$	Utility Placement Easement		Cross Access Easement
	Sidewalk Easement		Public Access Easement
			Other:

⊠ <u>RECORDED MAP(S)</u> - Submit plat to record new property lines, easements, tree conservation areas, etc.). Plats may be submitted for review when the Concurrent Site Review plans, if required, have been deemed ready for mylar signature.

The following items must be approved prior to recording the plat:

#### General

10. The City Code Covenant shall be approved by the City and recorded with the county register of deeds office where the property is located and a copy of the recorded document shall be provided to the City by the end of the next business day following the recordation of the final plat. Further

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recordings and building permits will be withheld if the recorded document is not provided to the City.

- 11. Street names for this development shall be approved by the Raleigh GIS Division and by Wake County.
- 12. A Type C2 Street Protective Yard is required for this project and a note shall be placed on the final plat stating this requirement.

#### **Engineering**

- 13. The required right of way for proposed and/or existing streets shall be dedicated to the City of Raleigh and shown on the map approved for recordation.
- 14. A 5' general utility easement and associated deed of easement shall be approved by the City and the location of the easement shall be shown on the map approved for recordation. The deed of easement shall be recorded at Wake County Register of Deeds within one day of recordation of the recorded plat. A recorded copy of these documents must be provided to the Development Services Department within one day from authorization of lot recordation. If recorded copies of the documents are not provided, further recordings and building permit issuance will be withheld.
- 15. Slope easements and associated deeds of easement shall be approved by the City and the location of the easement shall be shown on the map approved for recordation. The deed of easement shall be recorded at Wake County Register of Deeds within one day of recordation of the recorded plat. A recorded copy of these documents must be provided to the Development Services Department within one day from authorization of lot recordation. If recorded copies of the documents are not provided, further recordings and building permit issuance will be withheld.
- 16. A fee-in-lieu for 6' wide sidewalks along both the Stoneridge Drive and Ebenezer Church Road frontages and ½ of a 30' back to back street along Ebenezer Church Road frontage is paid to the City of Raleigh (UDO 8.1.10).
- A public infrastructure surety is provided to the City of Raleigh Development Services Development Engineering program (UDO 8.1.3).

#### **Public Utilities**

- 18. Infrastructure Construction Plans (concurrent submittal) must be approved by the City of Raleigh Public Utilities Department for all public water, public sewer and/or private sewer extensions.
- 19. A Petition for Annexation into the City limits shall be submitted in accordance with City Council policy for extension of utility service to properties currently outside of the City limits. This voluntary annexation in no way obligates the City to extend utility services to the property.

#### Stormwater

20. A payment equal to twenty-four percent (24%) of the estimated cost of constructing all stormwater control facilities shown on the development plans shall be paid by the developer to the City stormwater facility replacement fund (UDO 9.2.2.G.3).

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- 21. The flood prone areas, as approved by the City Stormwater Engineer and shown on the preliminary plan, shall be shown on the recorded map (UDO 9.3.3.G).
- 22. The City form document entitled Declaration of Maintenance Covenant and Grant of Protection Easement for Stormwater Control Facilities shall be approved by the City and recorded with the county register of deeds office (UDO 9.2.2.G).
- 23. All stormwater control measures and means of transporting stormwater runoff to and from any nitrogen and stormwater runoff control measures shall be shown on all plats for recording as private drainage easements (UDO 9.2).
- 24. The riparian buffers, in accordance with the preliminary plan and the State of North Carolina regulations, shall be shown on plats for recording along with required buffer statement (Recorded Map Checklist).
- 25. A surety equal to 125% of the cost of the construction of a stormwater device shall be paid to the Engineering Services Department (UDO 9.2.2.D.1.d).

#### **Urban Forestry**

26. A tree conservation plat shall be recorded with metes and bounds showing the designated tree conservation areas (UDO 9.1). This development proposes 2.838 acres of tree conservation area.

EXPIRATION 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:

Justin Knutho

3-Year Sunset Date: 3/6/2022

Record at least ½ of the land area approved.

5-Year Sunset Date: 3/6/2024 Record entire subdivision.

I hereby certify this administrative decision.

Signed:(Development Services Dir./Designee)

Staff Coordinator: Ryan Boivin

4

Date: 3 /6 /19

## Design Adjustment Staff Response



Per Section 10.2.18.C of the Unified Development Ordinance, the Development Services Director, or designee, shall consult with the heads of other City Departments regarding the review of the request. The Development Services Director, or designee, shall approve, approve with conditions or deny the request, but must do so within 60 days of the receipt of a completed application. Additional time may be necessary if a municipal or state entity is incorporated in the review process or if a detailed engineering study is submitted in conjunction with the request.

	Project Name	Stoneridge Estates
ECT	Development Case Number	S-41-2018
PROJECT	Transaction Number	566586
	Design Adjustment Number	DA - 1 - 2019
	Staff recommendation based upon t	he findings in the applicable code(s):
	UDO Art. 8.3 Blocks, Lots, Acce	
	UDO Art. 8.4 New Streets	Raleigh Street Design Manual
	Staff SUPPORTS 🗹 DOES NOT SUPP	PORT the design adjustment request.
		DEPARTMENTS
	Dev. Services Planner	City Planning
	✓ Development Engineering	City 2-15-19 Transportation
	Engineering Services	Parks & Recreation and Cult. Res.
SE	Public Utilities	
ONS	CONDITIONS:	10 T T T T T T T T T T T T T T T T T T T
STAFF RESPONSE		
Dev	elopment Services Director or Desig	nee Action: APPROVE APPROVE WITH CONDITIONS DENY
D	D	WIEL G. KING, PE 3/6/19
Auth	orized Signature ಕೃತಿಗಿತ	SPING REVIEW MANAGER Date

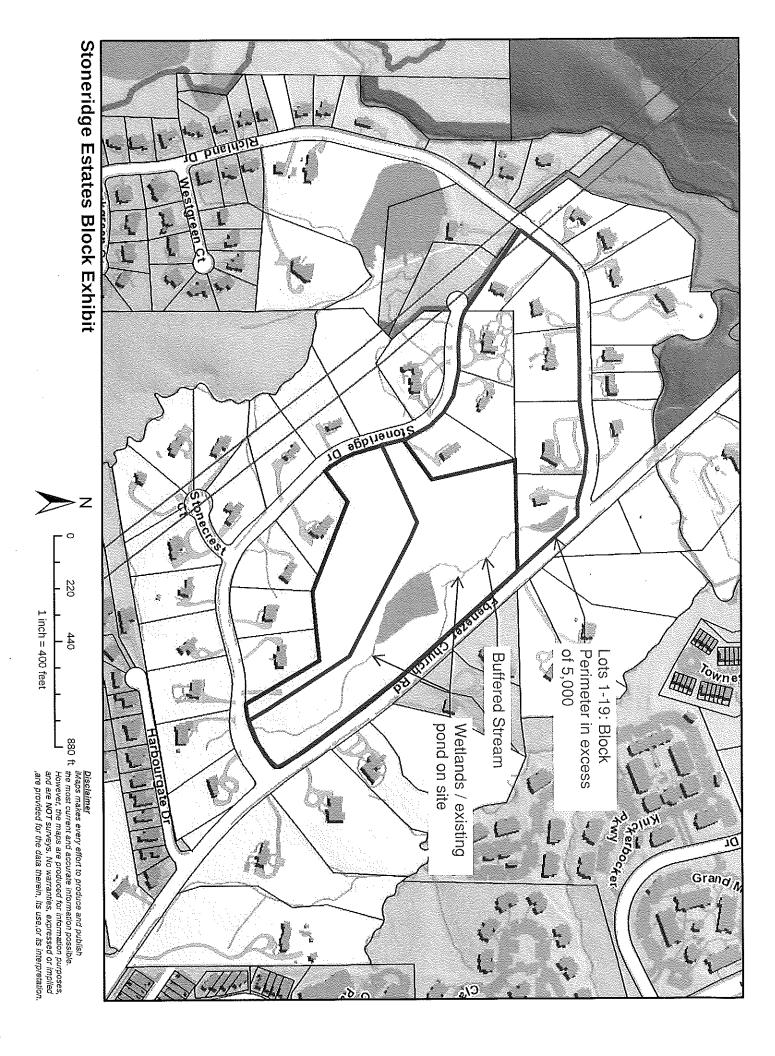
\*The Development Services Director may authorize a designee to sign in his/her stead. Please print name and title next to signature. Appeal of the decision from the Development Services Director, or his or her designee, shall be made in writing within 30 days to the Board of Adjustment (see Section 10.2.18.C3b).

#### Staff Response Article 8.3 Blocks Lots, Access



The Development Services Director may in accordance with Sec. 10.2.18. approve a design adjustment, subject to all of the following findings.

A.	The requested design adjustment meets the intent of this Article;  YES NO
В.	The requested design adjustment conforms with the Comprehensive Plan and
	adopted City plans;
	YES NO
C.	The requested design adjustment does not increase congestion or compromise
	Safety;
	YES NO
D.	The requested design adjustment does not create any lots without direct street
	Frontage;
	YES NO
E.	The requested design adjustment is deemed reasonable due to one or more of the
	following:
	1. Topographic changes are too steep;
	2. The presence of existing buildings, stream and other natural features;
	3. Site layout of developed properties;
	4. Adjoining uses or their vehicles are incompatible;
	5. Strict compliance would pose a safety hazard; or
	6. Does not conflict with an approved or built roadway construction project
	7. adjacent to or in the vicinity of the site.
	YES NO
ST/	AFF FINDINGS
Dev 27 d	re is a portion of the subdivision that does not meet the block perimeter requirements of Unified relopment Ordinance Article 8.3. Lots 1 through 19 do not meet block perimeter while lots 20 through do. The design adjustment is supported by staff as the request meets the following allowances from fied Development Ordinance Section 8.3.6 (E) (2) and (3).
The	re is a Neuse Riparian Buffer and jurisdictional wetland on the parcel that prohibits a road crossing. US Army Corp of Engineers determination (action ID 2018-01267) of jurisdictional wetlands is uded with the staff response.



## Design Adjustment Application



The purpose of this request is to seek a Design Adjustment from the Development Services Director, or designee, for a specific project only and, if granted, may be approved with special conditions and provisions.

This application and all further action shall be consistent with Section 10.2.18 in the Unified Development Ordinance (UDO). The consideration and decision of this request shall be based solely on the conformance of the findings, as outlined in Sec. 8.3.6, Sec. 8.4.1.E and Sec. 8.5.1.G of the UDO or the Raleigh Street Design Manual.

5	Project Name Stoneridge Estates					
PROJECT	Case Number S-41-18					
Transaction Number 566586						
Α.	Name Stephen and Kathleen Malik					
OWNER	Address 1020 Dickinson Cir City Ra		City Raleigh	igh		
ó	State North Carolina Zip Code 27614			Phone		
5	Name Mike Roselli, P.E.		Firm Boh	ler Engineering	g N	C, PLLC
CONTACT	Address 4130 Parklake Ave., Su	uite 130		City Raleigh		
CO	State North Carolina	Zip Code 27612 P		Phone (919) 578-9000		
	I am seeking a Design Adjustment	from the requirem	ents set fort	h in th <b>e</b> followi	ne:	
	✓ UDO Art. 8.3 Blocks, Lots, Acces	is	- See page 2	for findings		
	UDO Art. 8:4 New Streets		- See page 3	for findings		
	UDO Art. 8.5 Existing Streets		- See page 4	for findings		
ST	Raleigh Street Design Manual		- See page 5	for findings		
REQUEST	Provide details about the request;	(please attach a m	emorandum	if additional sp	200	: is needed):
Appli	-Presence of buffered stream/wetlands a -Site layout of developed properties alon See next sheet for full justification.  The responsibility of the applicant to provious must be the Property Owner.  The property Owner.	g Stoneridge Drive do ide all pertinent infori	not form a clo	d for the consider		
	11/11/			-,-,,		2019,01.08
Own	er/Owner's Representative Signature	9				Date
CHE	CKLIST		_			
	ed Design Adjustment Application	100 20 1 100 100			F	Included
	(s) addressing required findings				┾	Included
	(s) and support documentation				Ė	Included
	ry page (page 6) filled out; Must b	e signed by proper	rty owner		Ē	Included
First	Class stamped and addressed envi	elopes with comple	eted notifica	ition letter		Included
design Delive Deve One ( Rale)	nit all documentation, with the exce madjustments@raleighnc.gov. er the addressed envelopes and let lopment Services, Development Eng Exchange Plaza, Suite 500 gh NC, 27601 Office Use Only	ters to:	ed addresse	d envelopes and	d le	itters to
	Ome of the					

#### Individual Acknowledgement

My Commission Expires: April 19. 2019



STATE OF NORTH CAROLINA COUNTY OFWake	INDIVIDUAL
, Janet H. Casteen  Michael Roscili  acknowledged the due execution of t	, a Notary Public do hereby certify that personally appeared before me this day and he forgoing instrument.
This the Strand day of	January , 2019.
JANET H CASTEEN NOTARY PUBLIC (SEAL) WAKE COUNTY STATE OF NORTH CAROLINA MY COMMISSION EXPIRES 04-19-2019	Notary Public Aut Unit

#### U.S. ARMY CORPS OF ENGINEERS

#### WILMINGTON DISTRICT

Action Id. 2018-01267 County: Wake U.S.G.S. Quad: NC-Raleigh West

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner:

Stephen & Kathleen Malik

Address:

1020 Dickson Circle

Raleigh, NC 27614

Telephone Number:

919-882-2880

E-mail:

malik@northcarolinafc.com

Size (acres)

16.98

Nearest Town Raleigh

Nearest Waterway

Richland Creek

Neuse

**USGS HUC** 

03020201

River Basin Coordinates

Latitude: 35.831152

Longitude: -78.718785

Location description: The property is located immediately northwest of the intersection of Ebenezer Church Road and Stoneridge Drive, Raleigh, Wake County, North Carolina.

#### Indicate Which of the Following Apply:

#### A. Preliminary Determination

can be verified by the Corps.

×	There appear to be waters including wetlands, on the above described project area/property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. The approximate boundaries of these waters are shown on the enclosed delineation map, Figure 3, dated 6/6/2018. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.
	There appear to be waters including wetlands, on the above described project area/property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters including wetlands, on your project area/property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.
В.	Approved Determination
	There are Navigable Waters of the United States within the above described project area/property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
	There are waters including wetlands, on the above described project area/property subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in the law or our published regulations, this

We recommend you have the waters including wetlands, on your project area/property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that

determination may be relied upon for a period not to exceed five years from the date of this notification.

2018-01267  The waters including wetlands, on your project area/property have been delineated and the delineation has been verified by the Corps. The approximate boundaries of these waters are shown on the enclosed delineation map dated <b>DATE</b> . We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.
The waters including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on <b>DATE</b> . Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
There are no waters of the U.S., to include wetlands, present on the above described project area/property which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA) You should contact the Division of Coastal Management in Morehead City, NC, at (252) 808-2808 to determine their requirements.
Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact <u>Tasha Alexander</u> at <u>919-554-4884 ext. 35</u> or <u>Tasha L.Alexander@usace.army.mil</u> .
C. Basis For Determination: See the preliminary jurisdictional determination form dated 12/10/2018.
D. Remarks: Site visit was conducted on June 26, 2018. Potential waters are depicted on Figure 3, Wetland Sketch Map, Malik Property, dated June 6, 2018.
E. Attention USDA Program Participants
This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Securit Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.
F. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in B. above)
This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:
US Army Corps of Engineers South Atlantic Division Attn: Jason Steele, Review Officer 60 Forsyth Street SW, Room 10M15 Atlanta, Georgia 30303-8801
In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by Not applicable.  **It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.**  Corps Regulatory Official:

Date of JD: 12/10/2018 Expiration Date of JD: Not applicable

2018-01267
The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete the Customer Satisfaction Survey located at http://corpsmapu.usace.army.mil/cm\_apex/f?p=136:4:0

Copy furnished:

Agent:

Sage Ecological Services, Inc.

Sean Clark

Telephone Number:

919-335-6757

E-mail:

SClark@sageecological.com

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "may be" waters of the U.S. and/or that there "may be" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

#### PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

#### BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR PJD: 12/10/2018
- B. NAME AND ADDRESS OF PERSON REQUESTING PJD: Stephen & Kathleen, Stephen & Kathleen Malik, 1020 Dickson Circle, Raleigh, NC 27614
- C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Wilmington District, Malik Property, 2018-01267
- D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION: The property is located immediately northwest of the intersection of Ebenezer Church Road and Stoneridge Drive, Raleigh, Wake County, North Carolina.

(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: NC County: Wake City: Raleigh Center coordinates of site (lat/long in degree decimal format): Latitude: 35,831152 Longitude: -78,718785

Universal Transverse Mercator:

Name of nearest waterbody: Richland Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date: ☐ Field Determination. Date(s): June 26, 2018

TABLE OF AQUATIC RESOURCES INREVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION IS ATTACHED, SAW-2018-01267

#### TABLE OF AQUATIC RESOURCES INREVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site Number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resources in review area (acreage and linear feet, if applicable	Type of aquatic resources (i.e., wetland vs. non- wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
Wetland WA	35.830881°N	78.717482°W	+/- 0.011 acre	Wetland	Section 404
Wetland WB	35.831715°N	78,807954° W	+/- 0.114 acre	Wetland	Section 404
Wetland WC	35,832139°N	78,718501°W	+/- 0.004 acre	Wetland	Section 404
Pond I	35.831277°N	78.718120°W	+/- 0.953 Acre	Non-Wetland	Section 404
Tributary A.	35,831838°N	78.718581°W	+/- 315 LF	Non-Wetland	Section 404

to Richland Creek.

#### SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:
Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:  Map:
☑ Data sheets prepared/submitted by or on behalf of the PJD requestor.
Office concurs with data sheets/delineation report.
Office does not concur with data sheets/delineation report. Rationale:
Data sheets prepared by the Corps:
Corps navigable waters' study:
U.S. Geological Survey Hydrologic Atlas:
USGS NHD data,
USGS 8 and 12 digit HUC maps.
☑ U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000 Raleigh West, NC Quadrangle
☑ Natural Resources Conservation Service Soil Survey. Citation: Wake County Soil Survey (Sheet 38)
National wetlands inventory map(s). Cite name:
State/local wetland inventory map(s):
FEMA/FIRM maps:
100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
☑ Photographs: ☐Aerial (Name & Date):
or ⊠Other (Name & Date): <u>Site Photos</u>
Previous determination(s). File no. and date of response letter:
Other information (please specify):
PORTANT NOTE: The information recorded on this form has not necessarily been
rified by the Corps and should not be relied upon for later jurisdictional erminations.
)
1 de de la companya della companya della companya de la companya della companya d
manyre and date of Regulatory  Signature and date of person
ff member completing PID requesting PID (REQUIRED,
unless obtaining the signature
is impracticable) <sup>1</sup>

Districts may establish timeframes for requester to return signed PJD forms. If the requester does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

# PRELIMINARY SUBDIVISON

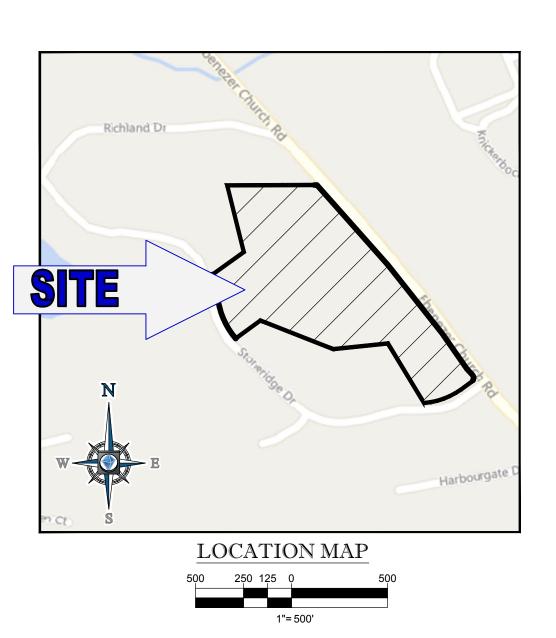
# SUBMITTAL

FOR

# STONERIDGE ESTATES

**LOCATION OF SITE** 

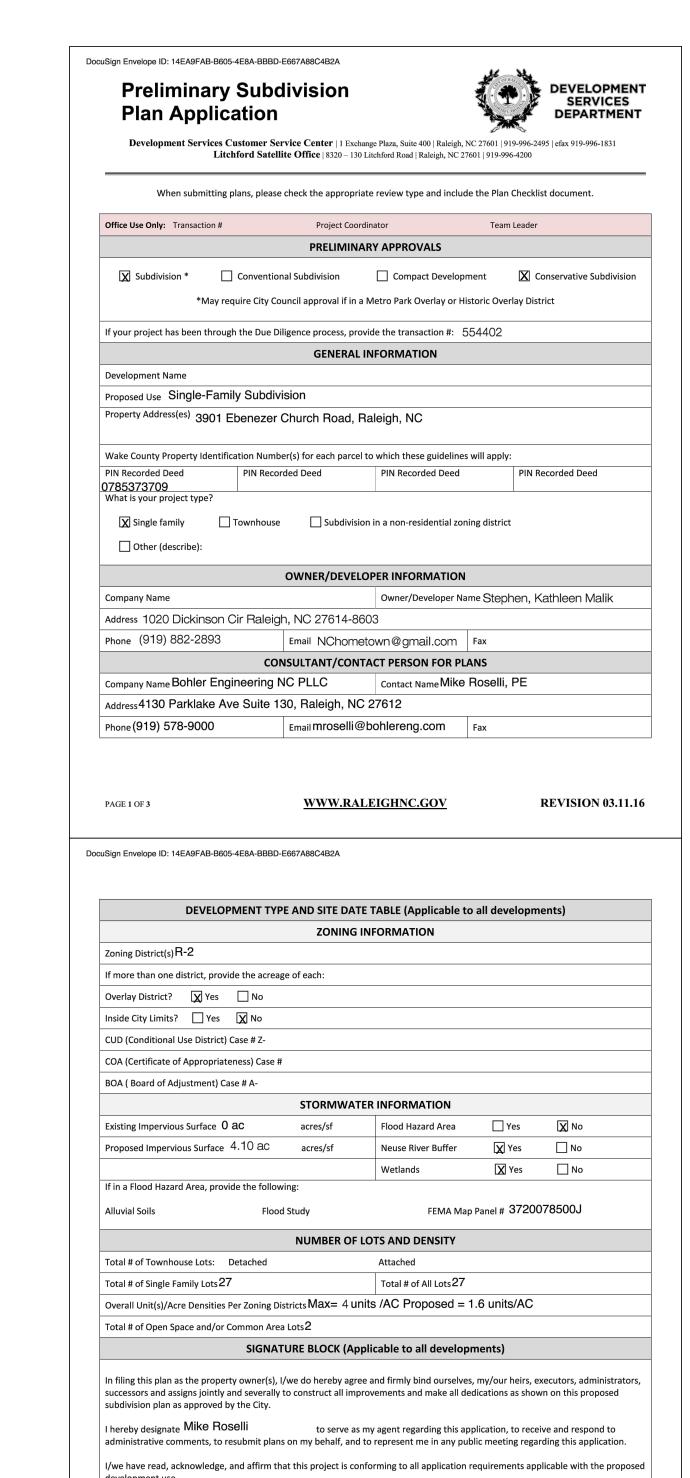
3901 EBENEZER CHURCH ROAD RALEIGH, NC 27612, WAKE COUNTY PIN #: 0785-37-3709 SKETCH REVIEW TRANSACTION #554402 TRANSACTION #566586 CASE NUMBER S-41-18



# PREPARED BY

A2 GROUP, LLC. 610 PRESIDENTS WALK LANE CARY, NC 27519 CONTACT: TOM ANHUT (919) 291 3023

DEVELOPER



8 / 15 / 2018

8 / 15 / 2018

**REVISION 03.11.16** 

WWW.RALEIGHNC.GOV

### CONTACT INFORMATION

SITE DATA

REQUIRED OPEN SPACE:

MINIMUM LOTS ABUTTING OPEN SPACE (%) 50

±3.428

2,192

2 307

42,392

96,525

4,000

4.10 AC /16.94 A

24.2%

MINIMUM WIDTH OF OPEN SPACE (FT)

PROPOSED # OF DOMESTIC WATER TAPS:

TREE CONSERVATION AREA (AC.)

PROPOSED OPEN SPACE: (AC.)

INFRASTRUCTURE QUANTITIES

DOMESTIC WATERLINE: (LF

SANITARY SEWER: (LE)

**IMPERVIOUS SURFACES** 

ADDITIONAL IMPERVIOUS (SF)

SUBDIVISION DISTURBED AREA: (AC.)

ROOFS: (SF)

CONTIGUOUS

3901 EBENEZER CHURCH ROAD

METRO PARK OVERLAY DISTRICT

RALEIGH, NC 27612

CRABTREE CREEK

**R2 CONSERVATION** 

65 (80 CORNER LOT)

16.65 AC.

SITE AREA: (PRE ROW DEDICATION)

EXISTING ZONING:

OVERLAY ZONING:

PROPOSED STANDARDS:

MINIMUM LOT WIDTH: (FT)

MINIMUM LOT DEPTH: (FT)

MAX BUILDING HEIGHT (FT)

ALLOWABLE DENSITY: (DU/AC.) PROPOSED DENSITY: (DU/AC.) MINIMUM LOT SIZE: (SF)

WATERSHED:

PROJECT AREA:(POST ROW DEDICATION)

REFERENCES  SURVEY "PRELIMINARY SURVEY FOR EBENEZER CHURCH ROAD" PREPARED BY BOHLER ENGINEERING NC, PLLC BOHLER JOB NO. NSR182054 DATED: AUGUST 8, 2018  ENVIRONMENTAL AND CULTURAL RESOURCES REPORT "ENVIRONMENTAL AND CULTURAL RESOURCES DUE DILIGENCE REPORT" PREPARED BY SAGE ECOLOGICAL SERVICES, INC 3707 SWIFT DRIVE RALEIGH, NC 27606 (919) 559-1537 SAGE PROJECT # 2018.37 DATE: JUNE 11, 2018	
CITY OF RALEIGH PLANNING DIVISION ONE EXCHANGE PLAZA, SUITE 400 RALEIGH, NC 27601 CONTACT: KEN BOWERS PHONE: (919)-996-2633  CITY OF RALEIGH PUBLIC UTILITIES 222 FAYETTEVILLE STREET RALEIGH, NC 27601 PHONE: (919) 996-4540  CITY OF RALEIGH FIRE DEPARTMENT FIRE DEPARTMENT SERVICES DIVISION 4120 NEW BERN AVENUE, RALEIGH NC 27610 CONTACT: JOHN MCGRATH, FIRE CHIEF PHONE: (919) 996-6115  UTILITY CONTACTS	CITY OF RALEIGH TRANSPORTATION TRANSPORTATION DEPARTMENT 222 W HARGETT STREET, SUITE 400, RALEIGH, NC 27601 CONTACT: MICHAEL MOORE, DIRECTOR OF TRANSPORTATION PHONE: (919) 996-3030  CITY OF RALEIGH STORMWATER MANAGEMENT ONE EXCHANGE PLAZA RALEIGH, NC 27601 CONTACT: BEN BROWN, PE EMAIL: BEN.BROWN@RALEIGHNC.GOV PHONE: (919) 996-3515
CITY OF RALEIGH PUBLIC UTILITIES 222 FAYETTEVILLE STREET RALEIGH, NC 27601 PHONE: (919) 996-4540  GAS PSNC 901 E. CHATHAM STREET. RALEIGH, NC 27511 PHONE: 1-(877) 776-2427	ELECTRIC DUKE ENERGY 411 FAYETTEVILLE STREET. RALEIGH, NC 27601 PHONE: 1-(800) 419-6356  PHONE/INTERNET AT&T PHONE: 1-(888) 757-6500

#### GENERAL NOTES:

- 1. FLOOD NOTE: THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ZONE, BASED ON FEMA FIRM MAP #3720078500J
- 2. THERE ARE TWO WETLANDS ONSITE AND ONE BUFFERED STREAM ON THE NORTHERN PART OF THE SITE PER ENVIRONMENTAL AND CULTURAL DUE DILIGENCE REPORT BY SAGE ECOLOGICAL SERVICES PERFORMED ON 6/11/2018.
- 3. THIS SITE IS LOCATED WITHIN THE CITY OF RALEIGH ETJ. ANNEXATION FOR PETITION WILL BE MADE PRIOR TO ISSUANCE OF BUILDING PERMITS
- 4. ALL CONSTRUCTION SHOULD BE DONE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND NCDOT STANDARDS AND
- 5. SOLID WASTE PICK UP WILL BE HANDLED BY CITY OF RALEIGH SOLID WASTE SERVICES AND SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE CITY OF RALEIGH SOLID WASTE DESIGN MANUAL. STANDARD 96 GALLON RESIDENTIAL ROLL OUT CARTS SHALL SERVE THE 27 LOTS ON SITE.

SH	IEET INDEX
Sheet Number	Sheet Title
C-101	COVER SHEET
C-102	GENERAL NOTES
C-201	EXISTING CONDITIONS & DEMOLITION PLAN
C-301	SITE PLAN
C-302	OPEN SPACE PLAN
C-401	GRADING PLAN
C-402	POND PLAN
C-501	UTILITY PLAN
C-502	UTILITY PLAN
C-701	OVERALL LANDSCAPE PLAN
C-702	LANDSCAPE PLAN
C-703	LANDSCAPE PLAN
C-704	LANDSCAPE PLAN
C-705	LANDSCAPE NOTES & DETAILS
C-706	TREE CONSERVATION PLAN

### OWNER

STEPHEN AND KATHLEEN MALIK 1020 DICKINSON CIR RALEIGH, NC 27614



4130 PARKLAKE AVE., SUITE 130 RALEIGH, NC 27612

> Phone: (919) 578-9000 (919) 703-2665

NC@BohlerEng.com CONTACT: MIKE ROSELLI - MROSELLI@BOHLERENG.COM

IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJE ORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVI HE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD II VRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE TANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

REVISIONS

DATE COMMENT REVISIONS PER CIT 11/2/18 COMMENTS **REVISIONS PER CIT** COMMENTS REVISIONS PER CIT COMMENTS



NOT APPROVED FOR CONSTRUCTION

DRAWN BY: SCALE:

PRELIMINARY SUBDIVISION PLAN

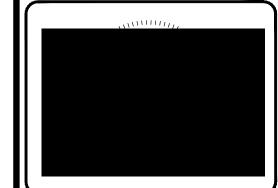
STONERIDGE ESTATES

LOCATION OF SITE 3901 EBENEZER CHURCH RD. RALEIGH, NC 27612 WAKE COUNTY

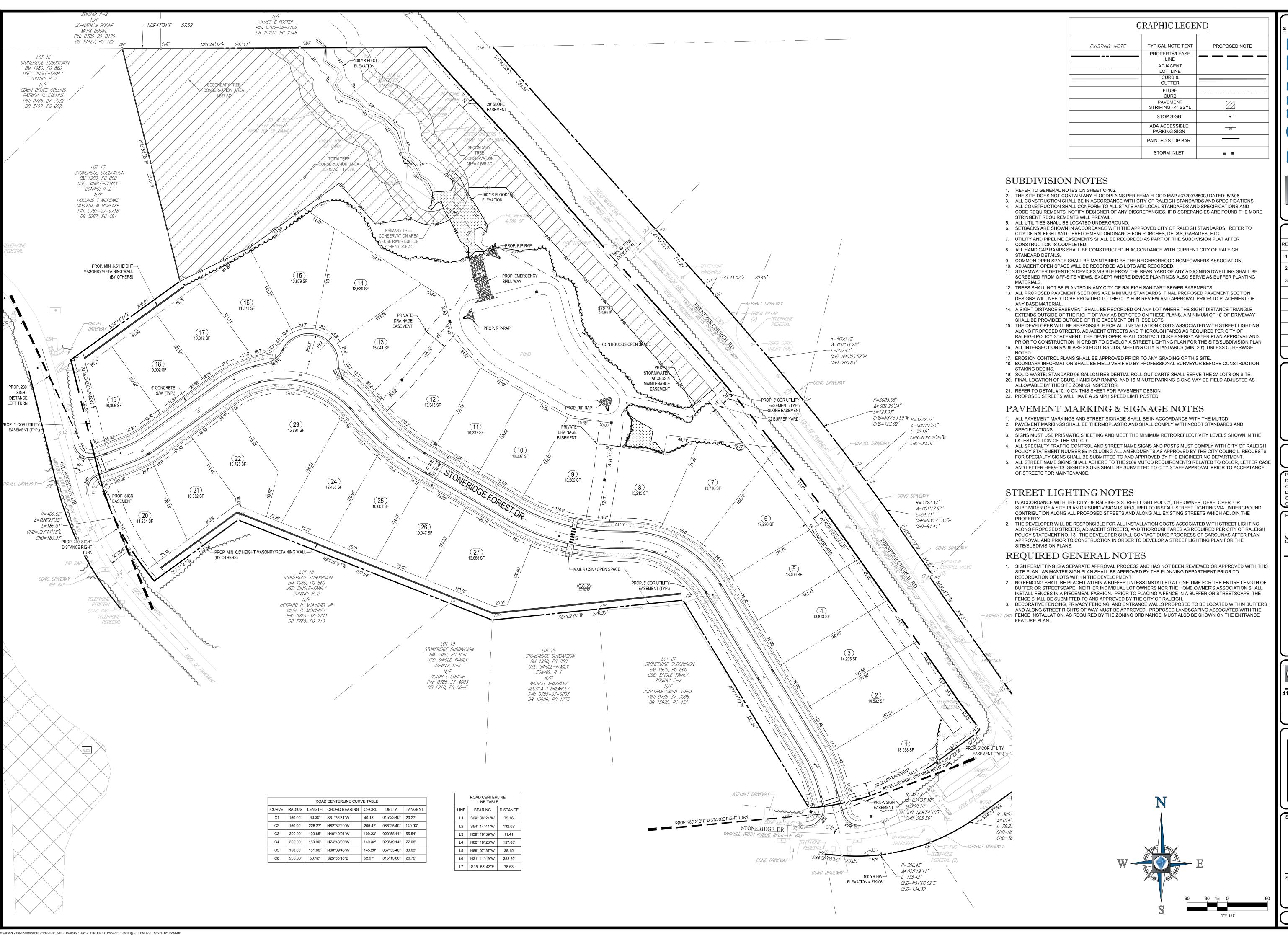
TRANSACTION #: 566586



130 PARKLAKE AVENUE, SUITE 13 RALEIGH, NC 27612 Phone: (919) 578-9000 NC@BohlerEng.com

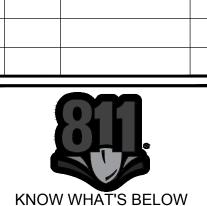


COVER SHEET



ENGINEERING NC, PLLC
SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN

<u>_</u>				
REVISIONS				
REV	DATE	COMMENT	BY	
1	11/2/18	REVISIONS PER CITY COMMENTS	PMA	
2	12/27/18	REVISIONS PER CITY COMMENTS	PMA	
3	1/28/19	REVISIONS PER CITY COMMENTS	PMA	



**ALWAYS CALL 811** 

**BEFORE YOU DIG** 

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: NCR182054
DRAWN BY: CEM
CHECKED BY: PMA
DATE: 08/17/18
SCALE: 1" = 50'

PRELIMINARY
SUBDIVISION PLAN

FOR \_\_\_\_\_

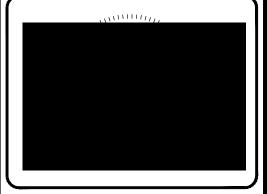
STONERIDGE ESTATES

LOCATION OF SITE 3901 EBENEZER CHURCH RD. RALEIGH, NC 27612 WAKE COUNTY

TRANSACTION #: <u>566586</u>



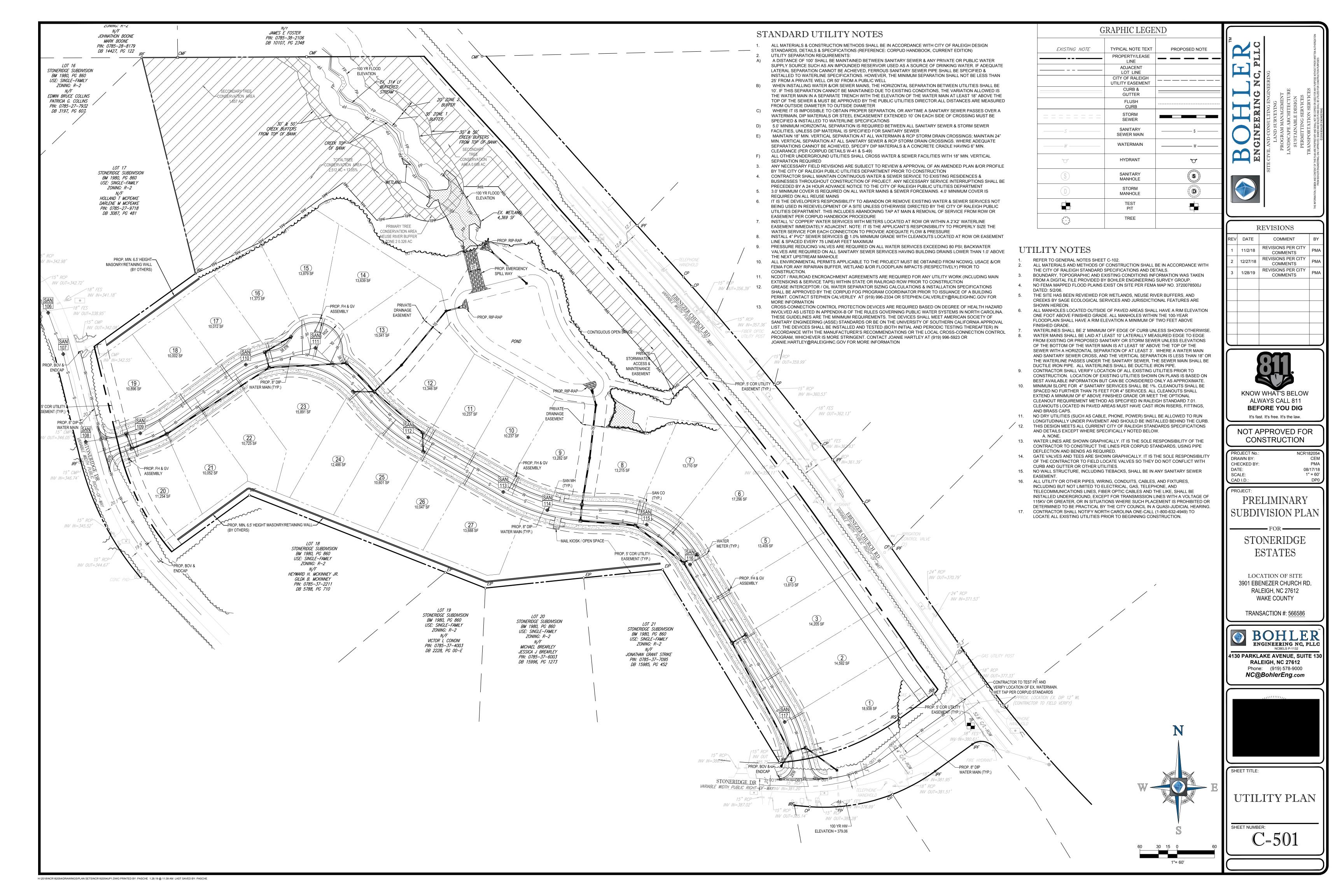
130 PARKLAKE AVENUE, SUITE 13
RALEIGH, NC 27612
Phone: (919) 578-9000
NC@BohlerEng.com

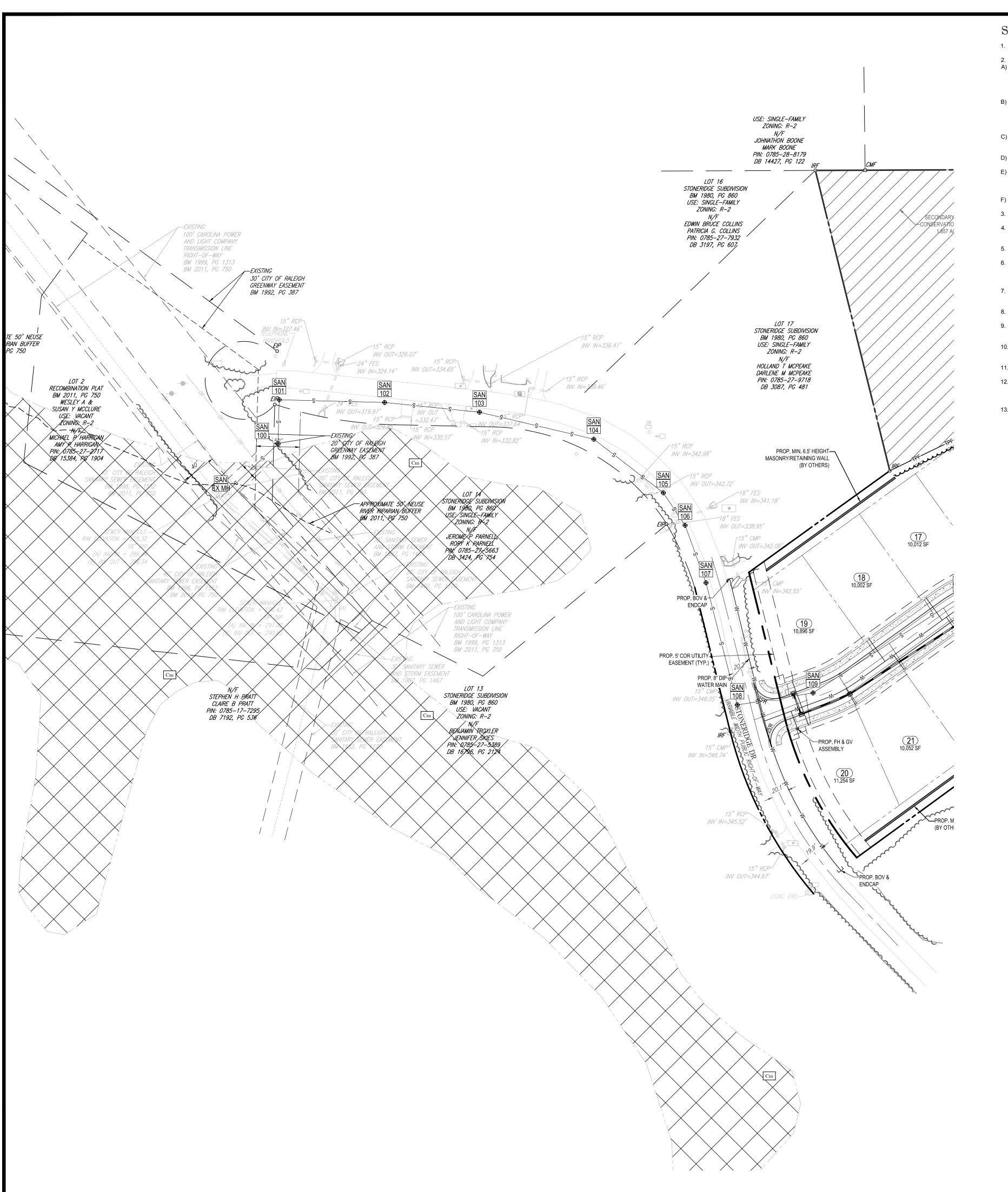


HEET TITLE:

SITE PLAN

T NUMBER:





#### STANDARD UTILITY NOTES

- ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN
- STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION) UTILITY SEPARATION REQUIREMENTS:
- A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & 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 & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL
- WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. 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" ABOVE THE TOP OF THE SEWER & 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' ON EACH SIDE OF CROSSING MUST BE
- SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER
- FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49)
- ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED
- ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS
- REQUIRED ON ALL REUSE MAINS IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & 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 & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE INSTALL 3/4" COPPER\* WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE
- WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE INSTALL 4" PVC\* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM 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' ABOVE THE NEXT UPSTREAM MANHOLE ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR
- FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN
- EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT STEPHEN CALVERLEY AT (919) 996-2334 OR STEPHEN.CALVERLEY@RALEIGHNC.GOV FOR
- 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 MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION

#### GRAPHIC LEGEND

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
	PROPERTY/LEASE LINE	
	ADJACENT LOT LINE	
	CITY OF RALEIGH UTILITY EASEMENT	
	CURB & GUTTER	
	FLUSH CURB	
	STORM SEWER	
S	SANITARY SEWER MAIN	s
W	WATERMAIN	
V	HYDRANT	~
S	SANITARY MANHOLE	S
D	STORM MANHOLE	(D)
	TEST PIT	-

TREE

#### UTILITY NOTES

- REFER TO GENERAL NOTES SHEET C-102.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH STANDARD SPECIFICATIONS AND DETAILS.
- BOUNDARY, TOPOGRAPHIC AND EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A DIGITAL FILE PROVIDED BY BOHLER ENGINEERING SURVEY GROUP. NO FEMA MAPPED FLOOD PLAINS EXIST ON SITE PER FEMA MAP NO. 3720078500J
- DATED: 5/2/06 THE SITE HAS BEEN REVIEWED FOR WETLANDS, NEUSE RIVER BUFFERS, AND
- CREEKS BY SAGE ECOLOGICAL SERVICES AND JURISDICTIONAL FEATURES ARE SHOWN HEREON. ALL MANHOLES LOCATED OUTSIDE OF PAVED AREAS SHALL HAVE A RIM ELEVATION ONE FOOT ABOVE FINISHED GRADE. ALL MANHOLES WITHIN THE 100-YEAR
- FLOODPLAIN SHALL HAVE A RIM ELEVATION A MINIMUM OF TWO FEET ABOVE FINISHED GRADE. WATERLINES SHALL BE 2' MINIMUM OFF EDGE OF CURB UNLESS SHOWN OTHERWISE. WATER MAINS SHALL BE LAID AT LEAST 10' LATERALLY MEASURED EDGE TO EDGE FROM EXISTING OR PROPOSED SANITARY OR STORM SEWER UNLESS ELEVATIONS OF THE BOTTOM OF THE WATER MAIN IS AT LEAST 18" ABOVE THE TOP OF THE

SEWER WITH A HORIZONTAL SEPARATION OF AT LEAST 3'. WHERE A WATER MAIN AND SANITARY SEWER CROSS, AND THE VERTICAL SEPARATION IS LESS THAN 18" OR

- THE WATERLINE PASSES UNDER THE SANITARY SEWER, THE SEWER MAIN SHALL BE DUCTILE IRON PIPE. ALL WATERLINES SHALL BE DUCTILE IRON PIPE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHOWN ON PLANS IS BASED ON
- BEST AVAILABLE INFORMATION BUT CAN BE CONSIDERED ONLY AS APPROXIMATE. MINIMUM SLOPE FOR 4" SANITARY SERVICES SHALL BE 1%. CLEANOUTS SHALL BE SPACED NO FURTHER THAN 75 FEET FOR 4" SERVICES. ALL CLEANOUTS SHALL EXTEND A MINIMUM OF 6" ABOVE FINISHED GRADE OR MEET THE OPTIONAL CLEANOUT REQUIREMENT METHOD AS SPECIFIED IN RALEIGH STANDARD 7.01. CLEANOUTS LOCATED IN PAVED AREAS MUST HAVE CAST IRON RISERS, FITTINGS, AND BRASS CAPS.
- NO DRY UTILITIES (SUCH AS CABLE, PHONE, POWER) SHALL BE ALLOWED TO RUN LONGITUDINALLY UNDER PAVEMENT AND SHOULD BE INSTALLED BEHIND THE CURB.
- THIS DESIGN MEETS ALL CURRENT CITY OF RALEIGH STANDARDS SPECIFICATIONS AND DETAILS EXCEPT WHERE SPECIFICALLY NOTED BELOW. A. NONE.
- WATER LINES ARE SHOWN GRAPHICALLY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT THE LINES PER CORPUD STANDARDS, USING PIPE DEFLECTION AND BENDS AS REQUIRED.
- GATE VALVES AND TEES ARE SHOWN GRAPHICALLY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE VALVES SO THEY DO NOT CONFLICT WITH
- 15. NO WALL STRUCTURE, INCLUDING TIEBACKS, SHALL BE IN ANY SANITARY SEWER
- EASEMENT. 16. ALL UTILITY OR OTHER PIPES, WIRING, CONDUITS, CABLES, AND FIXTURES, INCLUDING BUT NOT LIMITED TO ELECTRICAL, GAS, TELEPHONE, AND
- TELECOMMUNICATIONS LINES, FIBER OPTIC CABLES AND THE LIKE, SHALL BE

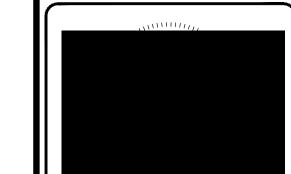
INSTALLED UNDERGROUND, EXCEPT FOR TRANSMISSION LINES WITH A VOLTAGE OF 115KV OR GREATER, OR IN SITUATIONS WHERE SUCH PLACEMENT IS PROHIBITED OR DETERMINED TO BE PRACTICAL BY THE CITY COUNCIL IN A QUASI-JUDICIAL HEARING. SUBDIVISION PLAN 17. CONTRACTOR SHALL NOTIFY NORTH CAROLINA ONE-CALL (1-800-632-4949) TO LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

STONERIDGE **ESTATES** 

LOCATION OF SITE RALEIGH, NC 27612



NC@BohlerEng.com



UTILITY PLAN

C - 502

REVISIONS DATE COMMENT REVISIONS PER CIT 11/2/18 COMMENTS REVISIONS PER CIT 12/27/18 COMMENTS REVISIONS PER CITY 1/28/19 COMMENTS



CONSTRUCTION DRAWN BY:

It's fast. It's free. It's the law

NOT APPROVED FOR

SCALE:

3901 EBENEZER CHURCH RD.

TRANSACTION #: 566586

WAKE COUNTY

