

Zoning: R-10 w/SRPOD CAC: Southwest

Drainage Basin: Waknut Creek Acreage: 0.68

creage: **0.68** Sq. Ft.: **11,543** Planner: Ryan Boivin Phone: (919) 996-2681

Applicant: CAA Engineering Phone: (919) 427-5227





Administrative Approval Action

Case File / Name: SR-97-17, Centennial Bend Transaction # 536046, AA # 3806 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 comprised of two adjacent lots located on the south side of Avent

Ferry Rd. The site is addressed at 2721 and 2723 Avent Ferry Rd.

REQUEST: Development of a 0.657-acre tract zoned R-10 into two attached residential

buildings (referred to in plans as "Duplexes"). The two existing lots will be recombined, causing Lot #1 to be 13,649 SF/0.31 acres and Lot #2 to be 15,040 SF/0.35 acres. Duplex #1 on Lot 1 will be 2,448 SF in gross floor area, 3 stories, and 36 5" in height. Duplex #2 on Lot 2 will be 2,448 SF in gross floor area, 3

stories, and 33' 7" in height.

DESIGN ADJUSTMENT(S)/

ALTERNATES, ETC: Two Design Adjustments were approved as follows: 1) UDO Section 8.3.2

providing relief from block perimeter requirements, and 2) UDO Section 8.5 allowing an alternate streetscape section to retain the existing streetscape grass

strip and sidewalk.

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 Mac McIntyre of Caa Engineers, Inc –

dated 4/16/18.

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 THE ISSUANCE OF ANY SITE PERMITS OR APPROVAL OF CONCURRENT REVIEW PROCESS, WHICHEVER IS APPLICABLE:

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. <u>Next Step:</u> 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. In accordance with Part 10A Section 9.4.4 of the Unified Development Ordinance, a surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City.

SR-00-00 Project Name



Administrative Approval Action

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Development Services Department
One Exchange Plaza
Raleigh, NC 27602
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PRIOR TO ISSUANCE OF BUILDING PERMITS:

GENERAL

- 4. A Final Plat shall be recorded with the Wake County Register of Deeds office for all Recombinations, Right of Way and/or Easement Dedications, and Tree Save Areas.
- 5. The City form document entitled Declaration of City of Raleigh Required City Code Provisions for Developments with Common Elements and Common Expenses 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 recordings and building permit authorization will be withheld if the recorded document is not provided to the City.
- 6. A recombination map shall be recorded, recombining the existing two lots to allow for the proposed development of the site.
- 7. A demolition permit shall be obtained and placed on map(s) to be recorded.
- 8. Provide fire flow analysis.

ENGINEERING

- 9. The ½-104' right-of-way shall be dedicated to the City of Raleigh and shown on the map approved for recordation for Avent Ferry Road for an Avenue, 4-Lane Divided street.
- 10. In accordance with Part 10A Section 8.1.10, a fee-in-lieu for 1' sidewalk along Avent Ferry Road frontage for Lots 1 and 2 is paid to the City of Raleigh.
- 11. A shared driveway and parking cross-access agreement between the proposed lots owned by Timothy W. and Stacey Stephens shall be approved by the Development Services Department for recording in the Wake County Registry, and a copy of the recorded offer of shared driveway and parking cross-access easement shall be returned to the Development Services Department within 1 day of lot recordation. A recorded copy of these documents shall be provided to the Development Services Department within 14 days from authorization of lot recording. If a recorded copy of the documents is not provided within this 14-day period, further recordings and building permit issuance may be withheld.
- 12. A 5' slope easement being provided behind the right-of-way on private property shall be approved by City staff, 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 shall be provided to the Development Services Department within 14 days from authorization of lot recordation. If a recorded copy of the documents is not provided within this 14 day period, further recordings and building permit issuance may be withheld.

SR-00-00 Project Name



Administrative **Approval Action**

Case File / Name: SR-97-17, Centennial Bend Transaction # 536046, AA # 3806

City of Raleigh **Development Services Department** One Exchange Plaza Raleigh, NC 27602 (919) 996-2495 DS.help@raleighnc.gov www.raleighnc.gov

STORMWATER

13. The previously recorded Private Drainage Easement on the lots should be abandoned or removed with recombination plat.

URBAN FORESTRY

14. No tree conservation area is required per UDO 9.1.2. No street trees on the public right of way are required because Avent Ferry Rd is an NCDOT roadway and a Type C-2 yard will be required.

Prior to issuance of building occupancy permit:

- 15. All Water, Sanitary Sewer and Reuse facilities shall be installed, inspected, tested and accepted by the City of Raleigh Public Utilities Department for operations and maintenance.
- 16. Next Step: Required public right-of-way infrastructure improvements shall be, at a minimum. sufficiently completed to provide the necessary, safe emergency and vehicular access.
- 17. Next Step: All street lights and street signs required as part of the development approval are installed.
- 18. Next Step: Copies of certified inspection reports for alleys and internal access ways are submitted to the City of Raleigh Development Services - Development Engineering program.

EXPIRATION DATES: The expiration provisions of UDO Section 10.2.8 E, including the ability to request extensions in the expiration date, apply to this site plan. If significant construction has not taken place on a project after administrative site review approval, that approval may expire and be declared void, requiring reapproval before permits may be issued. To avoid allowing this plan approval to expire the following must take place by the following dates:

3-Year Expiration Date: 6-27-2021

Obtain a valid building permit for the total area of the project, or a phase of the project.

4-Year Completion Date:

Within four years after issuance of the first building permit for the site plan, the construction of the entire site plan must be completed unless an applicant has been granted vested rights. Failure to complete construction within this specified time frame shall automatically void the approved site plan for which no building permits have been issued.

I hereby certify this administrative decision.

Signed:(Planning Dir./Designee) _

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___ Date: ﴿ \27 \يع

Staff Coordinator: Ryan Boivin

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 | Centennial | Bend | l Duplex | es | | | |
|----------------|-------------------------------------|----------------|------------|--|-------------|--|------------------------------|------|
| ECT | Development Case Number SR- | | SR-97-2017 | | | | | |
| PROJECT | Transaction Number | 536046 | | | | | | |
| | Design Adjustment Number | DA - 21 - | 201 | 8 | | | | |
| | Staff recommendation based upon t | he findings ir | ı the | applicab | le code(s | • | | |
| | ✓ UDO Art. 8.3 Blocks, Lots, Acce | <u>ess</u> | √ | UDO A | t. 8.5 Exis | sting Street | <u>s</u> | |
| | UDO Art. 8.4 New Streets | | | Raleigh | Street De | esign Manu | al | |
| | Staff SUPPORTS DOES NOT SUPP | ORT the | e des | ign adjus | stment re | quest. | | |
| | | DEPART | MEN | TS | | | | |
| | Dev. Services Planner | | | City Pla | nning | | | |
| | ✓ Development Engineering K | Bland | | Transp | ortation | | | |
| | Engineering Services | | | Parks 8 | Recreati | on and Cult | t. Res. | |
| NSE | Public Utilities | | | | | 22-31-11-11-11-11-11-11-11-11-11-11-11-11- | | · |
| PO | CONDITIONS: | | | | | | | |
| STAFF RESPONSE | | | | | | | | |
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| Dev | elopment Services Director or Desig | nee Action: | | PPROVE [| APPROVE | WITH CONDI | TIONS | DENY |
| | | | <u></u> | en e | | | 200, 100, 100, 100, 100, 100 | |
| D | /- N | muse La | . K | ulle Pe | | 6/27/18 | | |
| Auth | iorized Signature Exhause | south Rev | 1 Phase | MASSAG | <u> </u> | 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 V 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 V NO |
| D. | The requested design adjustment does not create any lots without direct street |
| | Frontage; |
| | YES V NO |
| Ε. | 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 V NO |
| | |

STAFF FINDINGS

These properties are zoned as R-10 which requires a block perimeter of 2,500 linear feet. Avent Ferry Road is an Avenue 4-Lane Divided street section per the Street Plan Map and provides a connective street between Western Boulevard (north terminus) and Tryon Road (south terminus). This street system provides a large number of apartment/ rental homes for NC State University and there are fewer connective streets based on the large areas of private parking lots and single family driveways. These duplexes are being constructed with a single shared driveway accessing Avent Ferry Road and would not be able to provide a beneficial street connection due to the existing residential lots and apartments immediately adjacent to these proposed duplexes. Additionally, the topography from Avent Ferry Road to the rear of the property drops 18' from elevation 311 to elevation 293 in 200 feet. Within the first 65' of the lot depth, there is an 8' drop which translates to a 12.3% grade which exceeds the maximum grade allowed for the Neighborhood street sections as per the City's Raleigh Street Design Manual.

Staff Response Article 8.5 Existing Streets



| A. | The requested design adjustment meets the intent of this Article; YES NO |
|------|--|
| В. | Commit Commit |
| | plans; |
| | YES NO NO |
| C. | The requested design adjustment does not increase congestion or compromise safety; |
| D. | YES NO NO The requested design adjustment does not create additional maintenance responsibilities |
| D. | for the City; and |
| | YES NO |
| E. | The requested design adjustment has been designed and certified by a Professional |
| | Engineer. |
| | YES NO NO |
| | |
| ST | AFF FINDINGS |
| | ent Ferry Road is a State-maintained facility and has an existing grass strip at the back of curb and an |
| exis | sting 5' sidewalk. The Avenue, 4-Lane Divided street section is to provide a 6' planting strip with street |
| | es at back of curb and a 6' sidewalk within the right-of-way. To maintain consistency along the street ntage, the existing streetscape would be retained and the proposed street trees required by the UDO |
| stre | et section would not be installed within the right-of-way per NCDOT. A C-2 streetyard would be |
| | alled outside the right-of-way. The 5' utility placement easement will not be required outside the it-of-way to eliminate conflicts with the streetyard installation due to NCDOT not allowing street trees in |
| | right-of-way. |
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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.

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|----------|---|---|---|--|-----------------|--|--|--|
| ь | Project | Name CENTENIAL | BEND DUPLEXES | | Medico | ************************************** | | |
| PROJECT | Case Number SR 97-17 | | | | | | | |
| PR | Transaction Number 536046 | | | | | | | |
| T OWNER | Name TIMOTHY AND STACEY STEPHENS | | | | | | | |
| | | | | | ity RAIFI | y RALEIGH | | |
| | State NC Zip Code 27606 | | | And the state of t | | | | |
| | Name MAC MCINTYRE PE | | | Firm CAA ENGINEERS | | | | |
| CONTACT | Address 4932 B WINDY HILL DRIVE | | | City RALEIGH | | | | |
| O | WAR 2017 | | | | | | | |
| 3 | State NC Zip Code 27609 I am seeking a Design Adjustment from the requirem | | | [D (D) [] O [[] D] | | | | |
| | | | | | | ang: | | |
| | UDO Art. 8.3 Blocks, Lots, Access | | - See page 2 for findings | | | | | |
| | | rt. 8.4 New Streets | *************************************** | - See page 3 fe | | The second of th | | |
| | 7000 | rt. 8.5 Existing Streets | | - See page 4 fo | | | | |
| EST | | h Street Design Manua | ~ | - See page 5 fo | _ | 211mmorrowegobocomoworowoogomoggr4129233256032666-566s4 | | |
| REQUEST | | letails about the requ | | | | | | |
| æ | THE REQU | JEST IS FOR DESIGN A STREET SECTIONS | DJUSTMENT IS FOR BL | OCK PERIMETE | R AND FOR M | ODIFIFYING THE CITY'S | | |
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| It is th | e responsib | ility of the applicant to p | rovide all pertinent infor | mation needed fo | or the conside | eration of this request. | | |
| Applic | ant must be | the Property Owner. | • | | | | | |
| D | | | | | | | | |
| By sig | ining this o | ocument, I hereby ack | nowledge the informa | ition on this app | olication is, t | o my knowledge, accurate. | | |
| Owne | r/Owner's | Representative Signat | Ure . | *************************************** | | <u> </u> | | |
| | ., | Tropi cacinative signat | .urc | | | Date | | |
| CHE | CKLIST | | | | | | | |
| Signe | d Design / | Adjustment Application | วท | | | ✓ Included | | |
| | | sing required findings | | and the second of the second o | | ✓ Included | | |
| | | port documentation | | | | ☐ Included | | |
| Notai | ry page (p | age 6) filled out; Mus | t be signed by prope | rty owner | | ✓ Included | | |
| | | ped and addressed e | | | n letter | ncluded | | |
| Subm | it all docu | mentation, with the e | xception of the requir | ed addressed e | nvelopes ar | | | |
| design | <u>radjustme</u> r | nts@raleighnc.gov, | | | • | | | |
| | | essed envelopes and | | | | | | |
| | | rvices, Development E | ngineering | | | | | |
| | xcnange Pi h NC, 2760 | laza, Suite 500 11 | | | | | | |
| ····· | Office Use | | RECEIVED DATE: | - | 64 | | | |
| 701 | ~ 100E O31 | - Only | WECEIAED DWIE: | | DA - | - | | |

Article 8.3, Blocks, Lots, Access

Administrative Design Adjustment Findings



The Development Services Director may in accordance with Sec. 10.2.18. approve a design adjustment, subject to all of the following findings. Describe how each item is met:

- A. The requested design adjustment meets the intent of this Article;
 - THE INTENT OF THE ACCESS REGULATIONS PER SECTION 8.3.1 C AND 8.31.C ARE TO PROVIDE SAFE VEHICULAR /PEDESTRIAN ACCESS. DUE TO SEVERE GRADE DROP OFF ISSUES (18' DROP FROM AVENT FERRY TO REAR LOT LINE) AND MULTIFAMILY USES ON 2 SIDES, THE STEEP GRADES & HIGHER TRAFFIC ONTO AN UNSIGNALIZED AVENT FERRY RD WOULD NOT BE SAFE.
- B. The requested design adjustment conforms with the Comprehensive Plan and adopted City plans;

THE DESIGN ADJUSTMENT DOES CONFORM WITH THE 2030 COMPREHENSIVE PLAN AND WILL NOT IMPACT THE FUTURE LAND USE OR FUTURE STREET NETWORK

- C. The requested design adjustment does not increase congestion or compromise Safety;
 - THE DESIGN ADJUSTMENT WOULD DECREASE CONGESTION ON AVENT FERRY ROAD BY HAVING ONLY THE 2 DUPLEXES ACCESSING WITH A PRIVATE DRIVE ONTO AVENT FERRY ROAD WITH AN UNSIGNALIZED INTERSECTION. IN ADDITION THE SEVERE SLOPE FOR CONNECTING TO THE REAR PROPERTY WITH A DRIVE WOULD BE A POTENTIAL SAFETY ISSUE
- D. The requested design adjustment does not create any lots without direct street Frontage;
 - THE DESIGN ADJUSTMENT WILL NOT CREATE ANY LOTS WITHOUT DIRECT STREET FRONTAGE. THE MULTIFAMILY UNITS LOCATED AT REAR OF PROJECT HAVE DIRECT ACCESS TO PUBLIC ROADS. THE ADDITIONAL LOTS ALONG THE SIDES ALSO HAVE STREET FRONTAGE AND EXISTING DRIVEWAYS ALONG AVENT FERRY ROAD
- 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.

THE DESIGN ADJUSTMENT IS DEEMED REASONABLE DUE TO FOLLOWING:

- 1. TOPOGRAPHIC CHANGES ONSITE OF 18' FROM FRONT TO BACK OF SITE IS SEVERE
- 2. THERE ARE EXISTING MULTIFAMILY UNITS ON 2 SIDES AND SINGLE FAMILY ON OTHER SIDE
- 3. THE SITE LAYOUT OF EXISTING DEVELOPED PROPERTIES: 2 WELL ESTABLISHED
- MULTIFAMILY DEVELOPMENTS ON SIDE AND REAR AND SINGLE FAMILY ON OTHER SIDE
- 4. THE ADJOINING USE TO THE REAR IS A MULTIFAMILY UNIT BUILDING NEAR THE CENTENIAL BEND PROPERTY LINE. A CONNECTING DRIVE CAN NOT BECONNECTED TO THIS PROPERTY SINCE THE BUILDING BLOCKS ACCESS TO EXISTING PARKING LOTS OR STREETS
- 5. STRICT COMPLIANCE WOULD RESULT IN STEEP DRIVE CONNECTING TO EXISTING BUILDING

Article 8.4, New Streets Administrative Design Adjustment Findings



The Development Services Director may in accordance with Sec. 10.2.18. approve a design adjustment, subject to all of the following findings. Describe how each item is met:

- A. The requested design adjustment meets the intent of this Article;

 THE DESIGN ADJUSTMENT IS REQUESTED AS PER SECTION 8.4.2 D.4, THE NCDOT MAINTAINS THE PORTION OF AVENT FERRY ROAD WHERE THIS PROJECT IS BEING CONSTRUCTED. THE NCDOT HAS REQUESTED THAT NO TREES BE PLANTED BETWEEN THE CURB AND SIDEWALK, THEREFORE A TYPE C2 STREET YARD IS REQUIRED. THE EXISTING 5' SIDEWALK & PLANTER STRIP WILL REMAIN FOR CONSISTENCY ALONG AVENT FERRY ROAD
- B. The requested design adjustment conforms with the Comprehensive Plan and adopted City plans;

THE DESIGN ADJUSTMENT CONFORMS TO COMPREHENSIVE PLAN

- C. The requested design adjustment does not increase congestion or compromise safety;

 THE DESIGN ADJUSTMENT DOES NOT INCREASE CONGESTION OR OR COMPROMISE SAFETY
- D. The requested design adjustment does not create additional maintenance responsibilities for the City;

THE DESIGN ADJUSTMENTDOES NOT CREATE ADDITIONAL MAINTENANCE RESPONSIBILITIES

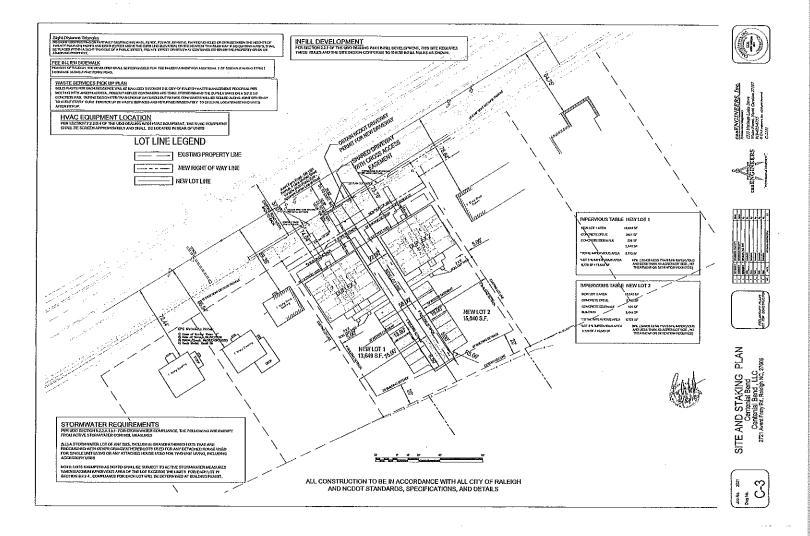
- E. The requested design adjustment has been designed and certified by a Professional Engineer; and
 - THE DESIGN ADJUSTMENT HAS BEEN DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER
- F. The requested design adjustment shall address Stormwater collection and conveyance and not adversely impact Stormwater collection.

THE DESIGN ADJUSTMENT HAS NO ADVERSE EFFECTS TO STORMWATER COLLECTION

Individual Acknowledgement

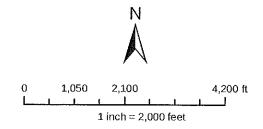


| STATE OF NORTH CAROLINA COUNTY OF / NO. | INDIVIDUAL |
|--|--|
| | , a Notary Public do hereby certify that personally appeared before me this day and ng instrument. |
| This the/ 5_ day of Marc | <u>L</u> , 20 <u>18</u> . |
| (SEAL) JOHN T. HEDRICK NOTARY PUBLIC NORTH CAROLINA WAKE COUNTY MY COMM EXP. 01-13-2019 | ry Public MV Hules C |
| My Commission Expires: | |





Centennial Bend Duplex block perimeter



Disclaimer
iMaps makes every effort to produce and publish
the most current and accurate information possible.
However, the maps are produced for information purposes,
and are NOT surveys. No warranties, expressed or implied
, are provided for the data therein, its use, or its interpretation.

STORMWATER REQUIREMENTS

PER UDO SECTION 9.2.2.A.1.b.i - FOR STORMWATER COMPLIANCE, THE FOLLOWING ARE EXEMPT FROM ACTIVE STORMWATER CONTROL MEASURES

(b.i.) A STORMWATER LOT OF ANY SIZE, INCLUDING GRANDFATHERED LOTS THAT ARE RECOMBINED WITH OTHER GRANDFATHERED LOTS USED FOR ANY DETACHED HOUSE USED FOR SINGLE UNIT LIVING OR ANY ATTACHED HOUSE USED FOR TWO UNIT LIVING, INCLUDING ACCESSORY USES

NOTE: LOTS EXEMPTED AS NOTED SHALL BE SUBJECT TO ACTIVE STORMWATER MEASURES WHEN MAXIMUM IMPERVIOUS AREA OF THE LOT EXCEEDS THE LIMITS FOR EACH LOT IN SECTION 9.2.2.4. COMPLIANCE FOR EACH LOT WILL BE DETERMINED AT BUILDING PERMIT

WASTE SERVICES PICK UP PLAN

ARCHITECT CONTACT

DYNAMIC DESIGN GROUP DAVID GRORUD P.O. BOX 1361 CARY N.C. 27512 dynamicdesigngroup@gmail.com

919-601-1406

CENTENIAL BEND

DUPLEX SITE PLAN SR - 97-17

TRANSACTION # 536046

2721 & 2723 AVENT FERRY ROAD RALEIGH, NC 27606 WAKE COUNTY, NORTH CAROLINA

OWNER/DEVELOPER CONTACT

TIMOTHY & STACEY STEPHENS 574 CORLEY WOOD DRIVE RALEIGH, NC 27606 (919) 418-4454 SAMMYSTAPROOMANDGRILL@GMAIL.COM

CIVIL ENGINEER

Caa Engineers, Inc MAC MCINTYRE, P.E. 4932-B WINDY HILL DRIVE RALEIGH, NC 27609 PH. (919) 427-5227 MACMCINTYREPE@GMAIL.COM

SHEET INDEX

COVER SHEET

EXISTING SITE & DEMOLITION PLAN

RECOMBINATION PLAN

SIGHT PLAN

GRADING AND STORMWATER PLAN

UTILITY PLAN

LANDSCAPE PLAN

SITE DETAIL SHEET

ARCHITECTURAL ELEVATIONS

ARCHITECTURAL ELEVATIONS

SKETCH PLAN TRANSACTION NUMBER 478691

PROJECT INFORMATION

PROJECT ADDRESS: 2721 & 2723 AVENT FERRY ROAD ZONING:

FLOOD ZONE:

NO FEMA FLOOD HAZARDS AREAS PER FIRM

DISTURBED AREA: NEW LOT 1 - 10,400 SF NEW LOT 2 - 9798 SF EXISTING LOT AREA (2 EXISTING LOTS) 28,845 SF (.657 ACRES) R/W DEDICATION ALONG AVENT FERRY ROAD 2,460 SF+/-

PROPOSED USE EXISTING USE

2 DUPLEXES DUPLEX / VACANT LOT

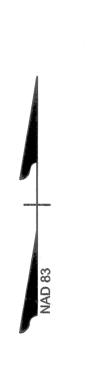
DENSITY ALLOWED - R-10 (10 UNITS/ACRE) PROPOSED DENSITY = 4 UNITS / .657= 6.08 UNITS PER ACRE

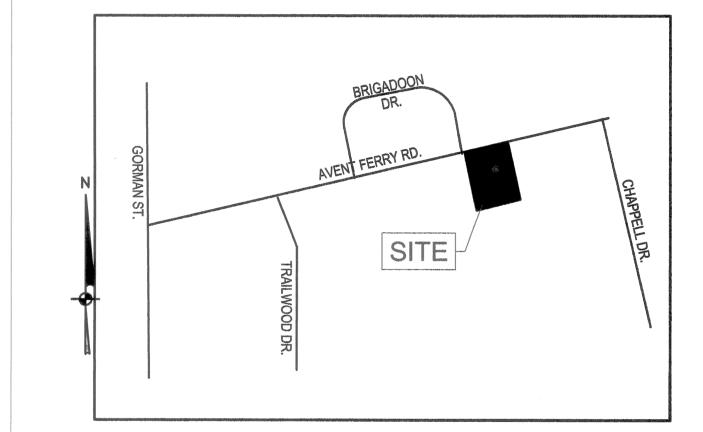
PROPOSED IMPERVIOUS AREA NEW LOT 1 PROPOSED IMPERVIOUS AREA NEW LOT 2 (38%)PROPOSED RECOMBINED LOTS / EXISTING LOTS AMENITY AREA (REQUIRED 10%) AMENITY AREA (PROVIDED) TCA REQUIRED

TCA PROVIDED LOT WIDTH (MIN) LOT WIDTH - PROVIDED **INSIDE CITY LIMITS** RIVER BASIN

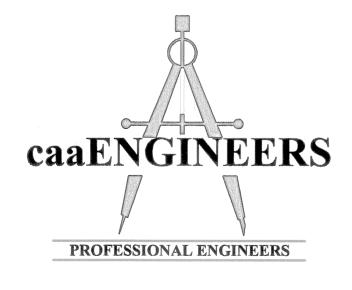
PARKING REQD (4 DUPLEX UNITS @ 2 SPACES / UNIT) 8 SPACES PARKING PROVIDED 16 SPACES / 8 SPACES ON EACH LOT

BIKE PARKING REQUIRED- 1 SPACE PER 20 UNITS





VICINITY MAP



caaENGINEERS, Inc.

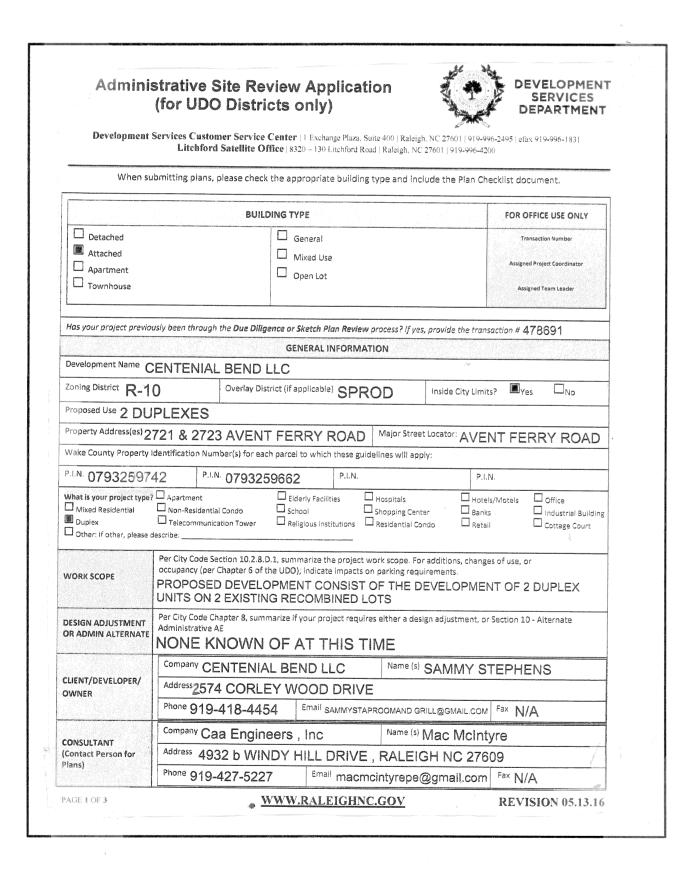
Professional Engineers

1233 Heritage Links Drive Wake Forest, North Carolina 27587 919-625-6755 © caa ENGINEERS, Inc. All Rights Reserved

C-2151

PROJECT NOTES

- 1. THIS PROJECT IS NOT A SUBDIVISION . THERE ARE 2 EXISTING LOTS THAT ARE BEING RECOMBINED . EACH NEW LOT WILL HAVE ONE DUPLEX UNIT
- PRIOR TO RECOMBINATION PLAT FINAL APPROVAL DEMOLITION PERMITS MUST BE OBTAINED FOR THE EXISTING STRUCTURE AND SUPPORTING INFRASTRUCTURE AND THEY MUST BE REMOVED PRIOR TO PLAT RECORDATION.
- 3. WITHIN THE SIGHT TRIANGLES SHOWN ON THIS PLAN, NO OBSTRUCTION BETWEEN 2 FEET AND 8 FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION SHALL BE LOCATED IN WHOLE OR PART. OBSTRUCTIONS INCLUDE BUT ARE NOT LIMITED TO ANY BERM, FOLIAGE, FENCE, WALL SIGN, PARKED VEHICLE OR OTHER OBJECT.
- 4. TREE CONSERVATION PLAN IS NOT REQUIRED SINCE THE PROJECT SITE IS LESS THAN 2.0 ACRES PER
- 5. THIS PROJECT FALLS UNDER THE SPROD REQUIREMENTS

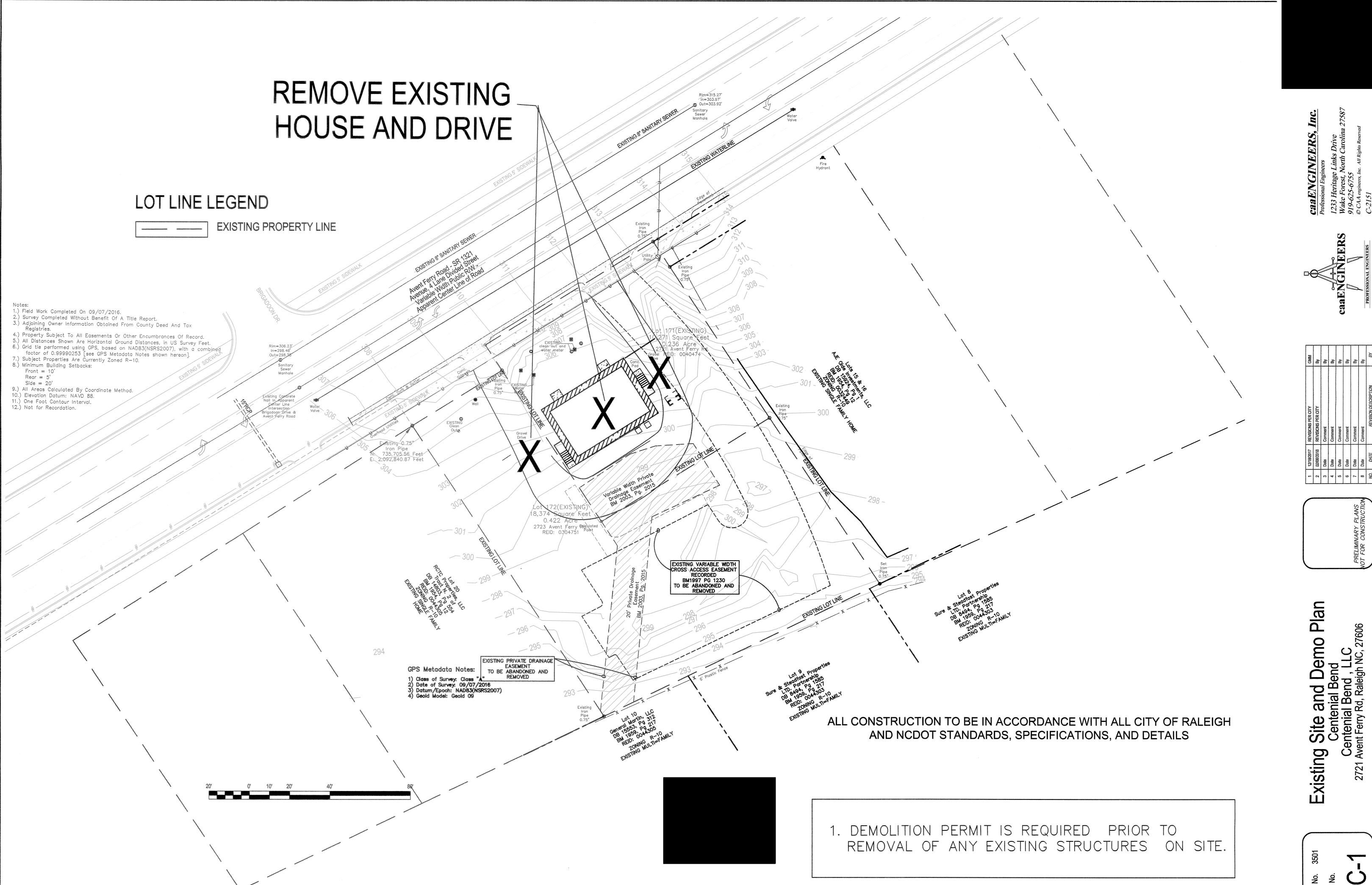


| DEVELOPMENT TYPE & SITE DATA | TABLE (Applic | able to all developments) | 7 | |
|---|-----------------------------------|--|---|--|
| Zoning Information Building Information | | | | |
| Zoning District(s) R-10 | Proposed building use(s) DUPLEXES | | | |
| If more than one district, provide the acreage of each: N/A | | Existing Building(s) sq. ft. gross 1,656 SF Proposed Building(s) sq. ft. gross 4,896 SF Total sq. ft. gross (existing & proposed) 4,896 SF | | |
| Overlay District SPECIAL HIGHWAY OVERLAY DISTRIC | СТ | | | |
| Total Site Acres Inside City Limits 🔳 Yes 🔲 No | | | | |
| Off street parking: Required 8 Provided 16 | - | Proposed height of building(s) 32'-2"HEIGHT/ 3STORY | - | |
| COA (Certificate of Appropriateness) case # N/A | | # of stories 3 STORY | | |
| BOA (Board of Adjustment) case # A- N/A | | Ceiling height of 1st Floor 9 ' | | |
| CUD (Conditional Use District) case # Z- N/A | | | | |
| Stormwate | er Information | | | |
| Existing Impervious Surface 4,982 SF acres/square feet | | Flood Hazard Area Yes No | | |
| Proposed Impervious Surface 11,543 SF acres/square feet | | If Yes, please provide: | | |
| Neuse River Buffer 🗆 Yes 🔳 No Wetlands 🗀 Yes 🔳 No | | Alluvial Soils N/A Flood Study N/A FEMA Map Panel # | | |
| FOR RESIDENTIA | AL DEVELOPM | ENTS | 1 | |
| . Total # Of Apartment, Condominium or Residential Units 4 | 5. Bedroom | Units: 1br 2br 3br 4br or more 4 | | |
| . Total # Of Congregate Care Or Life Care Dwelling Units N/A | elopment 2.2.7 | | | |
| Total Number of Hotel Units N/A | 7. Open Spa | ce (only) or Amenity N/A | + | |
| Overall Total # Of Dwelling Units (1-6 Above) 4 | project a cottage court? Yes No | | | |
| SIGNATURE BLOCK (Applicable to all developments) | | | | |
| filing this plan as the property owner(s), I/we do hereby agree and firm dassigns jointly and severally to construct all improvements and make opproved by the City. MAC MCINTYRE PE ceive and respond to administrative comments, to resubmit plans on a oplication. | e all dedications | to serve as my agent regarding this application, to proposed the regarding this application. | | |
| we have read, acknowledge and affirm that this project is conforming to e. Intel Name Gammy Stephiels | o all application | Date | A | |
| ned | | Date | | |
| inted Name | | | | |

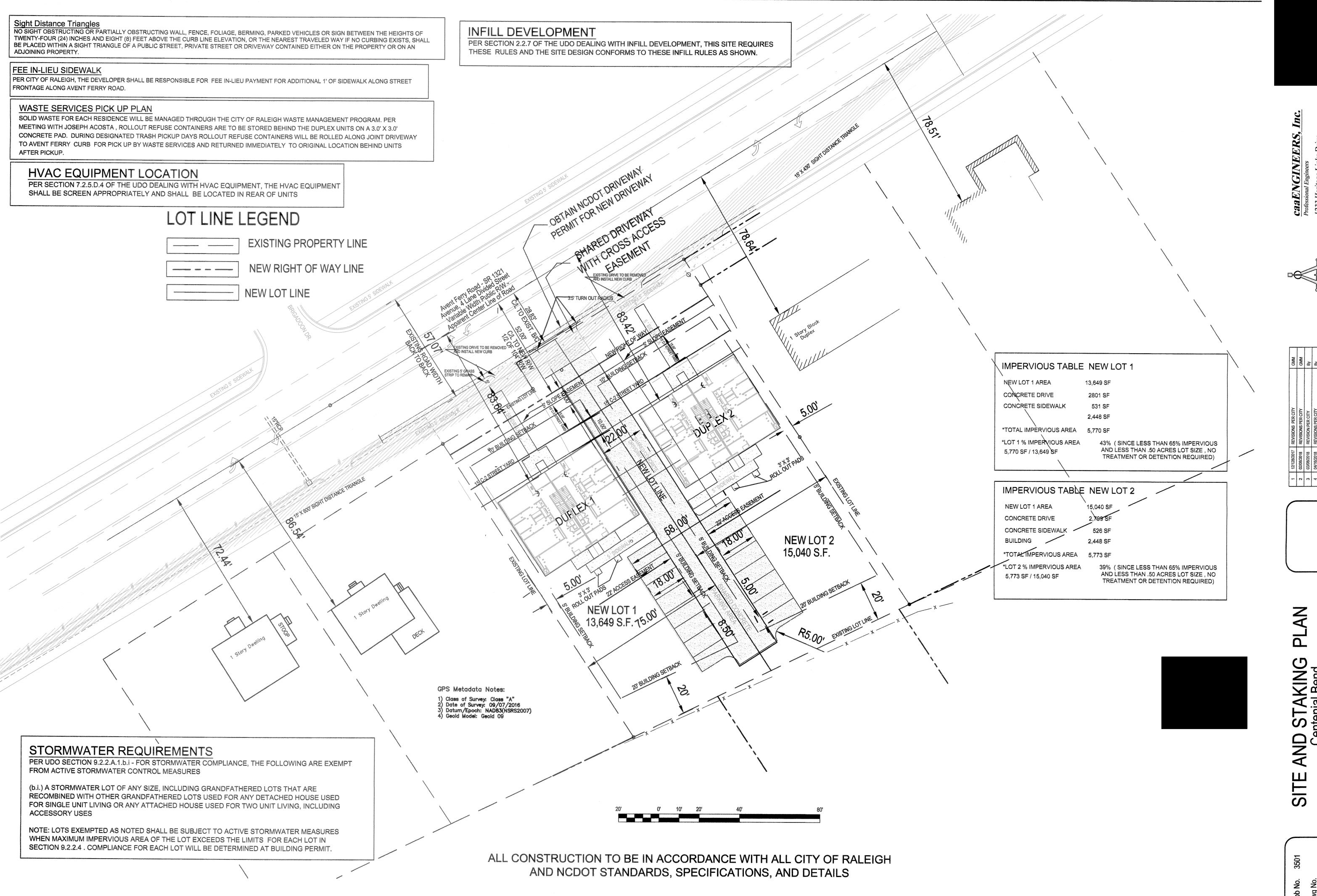


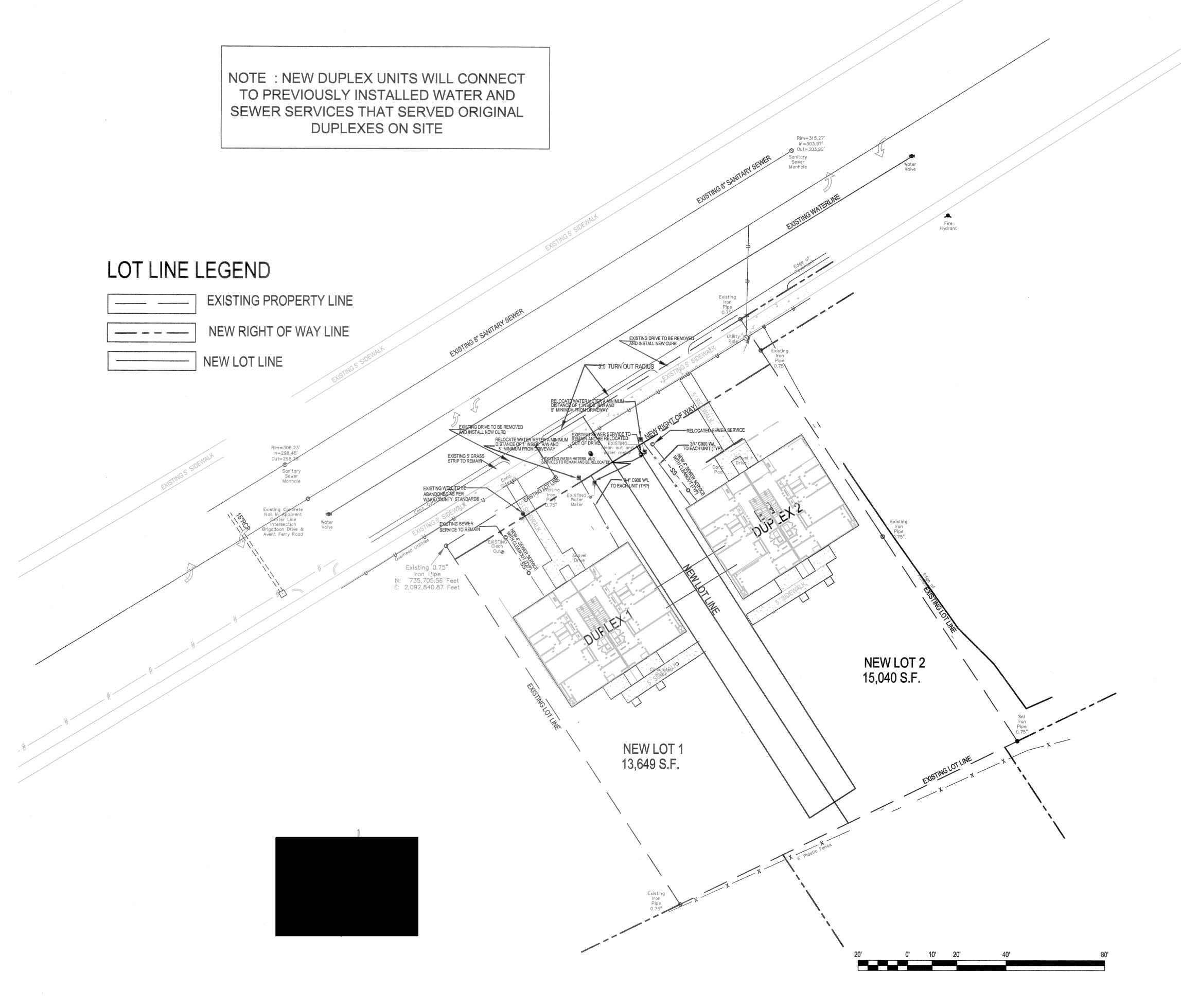
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

REVISION DATE OF PLANS - APRIL 16, 2018



Existing Site and D Centenial Ben Centenial Bend, 2721 Avent Ferry Rd, Raleig





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

2. UTILITY SEPARATION REQUIREMENTS:

A) 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 PRIVATE

B) 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.

C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.

D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.

E) 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" MINIMUM CLEARANCE (PER CORPUD DETAILS W-41 & S-49) F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER

FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.

3. 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.

4. 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.

5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS.

4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.

6. IT IS THE DEVELOPER'S RESPONSIBLITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVLOPMENT 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.

7. INSTALL 3" COPPER* WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2' X 2' 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.

8. INSTALL 4" PVC SEWER SERVICES © 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & 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' ABOVE THE NEXT UPSTREAM MANHOLE.

10. 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.

11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.

12. 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 TIM BEASLEY AT (919) 996—2334 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—CONECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996—5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

*EDIT TYPICAL SERVICE SIZE & MATERIAL AS APPROPRIATE.

PUBLIC UTILITY NOTES

- 1. UTILITY LAYOUT IS PRELIMINARY AND IS SUBJECT TO VARY WITH FINAL SITE PLANS AND CONSTRUCTION
- 2. ALL PUBLIC WATER AND SEWER EXTENSIONS SHALL BE SUBMITTED AND APPROVED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
- 3. ALL WATER SERVICES ARE TO BE 3/4" WITH A 5/8" METER PER THE CITY OF RALEIGH STANDARDS.

 4. ALL SEWER SERVICE LINES TO EACH INDIVIDUAL PROPERTY ARE TO BE 4" IN DIAMETER.
- 5. NO PERSON SHALL PLACE ANY PART OF A STRUCTURE, CONSTRUCTION FILL MATERIAL, PERMANENT EQUIPMENT, OR IMPOUNDMENT OR PLANT TREES, SHRUBS OR ANY OTHER PLANT ON SANITARY SEWER EASEMENTS OR MAINS.

PRIVATE UTILITY NOTES

- 1. HVAC UNITS TO BE LOCATED AT THE REAR OF EACH TOWNHOME UNIT AND NOT BE VISABLE TO THE PUBLIC
- RIGHT OF WAY.

 2. UTILITY SERVICE AREAS LOCATED OUTSIDE OF PUBLIC RIGHT OF WAYS THAT EXCEED 42" IN HEIGHT AND 4:
- 2. UTILITY SERVICE AREAS LOCATED OUTSIDE OF PUBLIC RIGHT OF WAYS THAT EXCEED 42" IN HEIGHT AND 42" IN ANY OTHER DIMENSION MUST BE SCREENED FROM THE PUBLIC RIGHT OF WAY.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

CaaE/NGINE/ERS, Inc.
Professional Engineers
1233 Heritage Links Drive
Wake Forest, North Carolina 27587
919-625-6755

SABENGINEERS

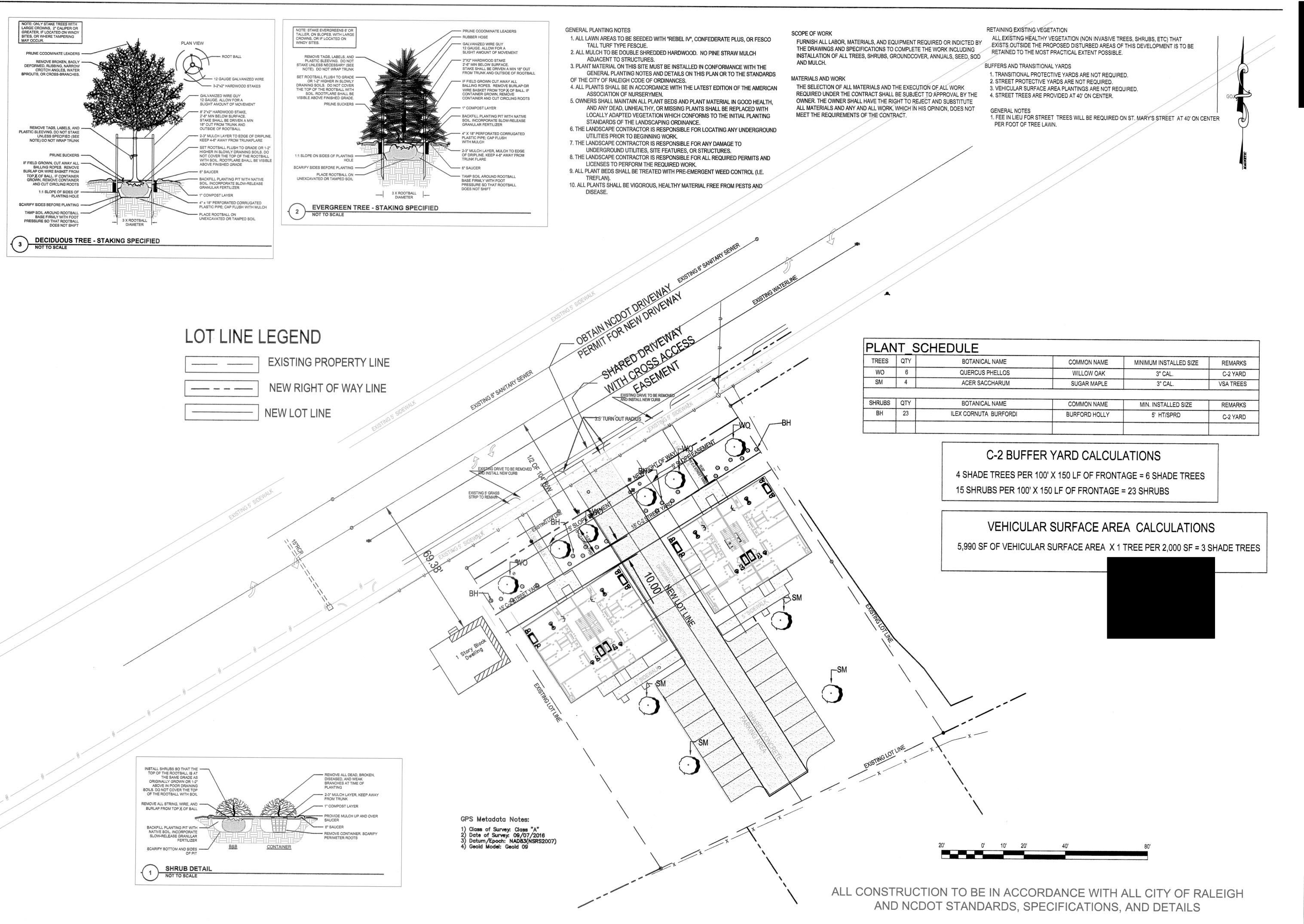
PROFESSIONAL ENGINEERS





UTILITY PLAN
Centenial Bend
Centenial Bend, LLC

Dwg No.



Engineers
tage Links Drive
est, North Carolina 27587

aaENGINEERS

 12/18/2017
 REVISIONS PER CITY
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 92/08/2018
 REVISIONS PER CITY
 By

 Date
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 By

PRELIMINARY PLANS

Landscape Plan Centenial Bend Centenial Bend , LLC 1 Avent Ferry Rd, Raleigh NC, 27606

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Job No. 3501 Jwg No.