

# FHD-209 N. STATE STREET SR-56-2017



0 237.5 475 Feet

Zoning: **RX-3**  
CAC: **Central**

Drainage Basin: **Pigeon House**  
Acreage: **014**  
Units /Sq. Ft.: **2/3,600**

Planner: **Daniel Stegall**  
Phone: **(919) 996-2712**

Applicant: **Josh Crumpler**  
Phone: **(919) 413-1704**



# Administrative Site Review Application (for UDO Districts only)



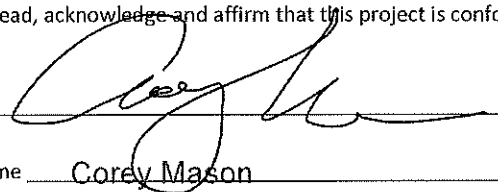
**DEVELOPMENT  
SERVICES  
DEPARTMENT**

Development Services Customer Service Center | 1 Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2495 | cfax 919-996-1831  
Litchford Satellite Office | 8320 - 130 Litchford Road | Raleigh, NC 27601 | 919-996-4200

SR 56-17

When submitting plans, please check the appropriate building type and include the Plan Checklist document.

BUILDING TYPE		FOR OFFICE USE ONLY						
<input type="checkbox"/> Detached <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Apartment <input type="checkbox"/> Townhouse	<input checked="" type="checkbox"/> General <input type="checkbox"/> Mixed Use <input type="checkbox"/> Open Lot	Transaction Number 517294 Assigned Project Coordinator  Assigned Team Leader Skogall						
Has your project previously been through the Due Diligence or Sketch Plan Review process? If yes, provide the transaction #								
<b>GENERAL INFORMATION</b>								
Development Name <b>FHD-309 N. State</b>								
Zoning District <b>RX-3</b>	Overlay District (if applicable)	Inside City Limits? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
Proposed Use <b>Duplex</b>								
Property Address(es) <b>309 N. State Street</b>		Major Street Locator:						
Wake County Property Identification Number(s) for each parcel to which these guidelines will apply:								
P.I.N. <b>1714-10-6428</b>	P.I.N.	P.I.N.						
<table border="0"> <tr> <td> <b>What is your project type?</b>  <input type="checkbox"/> Mixed Residential  <input type="checkbox"/> Duplex  <input type="checkbox"/> Other: If other, please describe: _____                         </td> <td> <input type="checkbox"/> Apartment  <input type="checkbox"/> Non-Residential Condo  <input type="checkbox"/> Telecommunication Tower                         </td> <td> <input type="checkbox"/> Elderly Facilities  <input type="checkbox"/> School  <input type="checkbox"/> Religious Institutions                         </td> <td> <input type="checkbox"/> Hospitals  <input type="checkbox"/> Shopping Center  <input type="checkbox"/> Residential Condo                         </td> <td> <input type="checkbox"/> Hotels/Motels  <input type="checkbox"/> Banks  <input type="checkbox"/> Retail                         </td> <td> <input type="checkbox"/> Office  <input type="checkbox"/> Industrial Building  <input type="checkbox"/> Cottage Court                         </td> </tr> </table>			<b>What is your project type?</b> <input type="checkbox"/> Mixed Residential <input type="checkbox"/> Duplex <input type="checkbox"/> Other: If other, please describe: _____	<input type="checkbox"/> Apartment <input type="checkbox"/> Non-Residential Condo <input type="checkbox"/> Telecommunication Tower	<input type="checkbox"/> Elderly Facilities <input type="checkbox"/> School <input type="checkbox"/> Religious Institutions	<input type="checkbox"/> Hospitals <input type="checkbox"/> Shopping Center <input type="checkbox"/> Residential Condo	<input type="checkbox"/> Hotels/Motels <input type="checkbox"/> Banks <input type="checkbox"/> Retail	<input type="checkbox"/> Office <input type="checkbox"/> Industrial Building <input type="checkbox"/> Cottage Court
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<b>WORK SCOPE</b>	Per City Code Section 10.2.8.D.1, summarize the project work scope. For additions, changes of use, or occupancy (per Chapter 6 of the UDO), indicate impacts on parking requirements.  <b>Removal of existing building single family and construction of two unit townhome</b>							
<b>DESIGN ADJUSTMENT OR ADMIN ALTERNATE</b>	Per City Code Chapter 8, summarize if your project requires either a design adjustment, or Section 10 - Alternate Administrative AE							
<b>CLIENT/DEVELOPER/ OWNER</b>	Company <b>Copernica Properties, LLC</b> Name (s) <b>Corey Mason</b>							
	Address <b>410 N. Boylan Ave., Raleigh, NC 27603</b>							
	Phone <b>919-398-3927</b>	Email <b>corey@fivehorizonsdevelopment.com</b> Fax						
<b>CONSULTANT (Contact Person for Plans)</b>	Company <b>Crumpler Consulting Services, PLLC</b> Name (s) <b>Josh Crumpler</b>							
	Address <b>2308 Ridge Road, Raleigh, NC 27612</b>							
	Phone <b>919-413-1704</b>	Email <b>josh@crumplerconsulting.com</b> Fax						

DEVELOPMENT TYPE & SITE DATA TABLE (Applicable to all developments)	
Zoning Information	Building Information
Zoning District(s) <b>RX-3</b>	Proposed building use(s) <b>Residential</b>
If more than one district, provide the acreage of each:	Existing Building(s) sq. ft. gross <b>1,120</b>
Overlay District	Proposed Building(s) sq. ft. gross <b>3,600</b>
Total Site Acres    Inside City Limits <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>.138</b>	Total sq. ft. gross (existing & proposed) <b>3,600</b>
Off street parking: Required <b>4</b> Provided <b>0</b>	Proposed height of building(s) <b>25</b>
COA (Certificate of Appropriateness) case #	# of stories <b>2</b>
BOA (Board of Adjustment) case # A-	Ceiling height of 1 <sup>st</sup> Floor <b>10</b>
CUD (Conditional Use District) case # Z-	
Stormwater Information	
Existing Impervious Surface <b>0.035/1,512</b> acres/square feet	Flood Hazard Area <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Proposed Impervious Surface <b>0.088/3,821</b> acres/square feet	If Yes, please provide:
Neuse River Buffer <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No              Wetlands <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Alluvial Soils                      Flood Study
	FEMA Map Panel #
FOR RESIDENTIAL DEVELOPMENTS	
1. Total # Of Apartment, Condominium or Residential Units <b>2</b>	5. Bedroom Units:   1br      2br      3br <b>2</b> 4br or more
2. Total # Of Congregate Care Or Life Care Dwelling Units	6. Infill Development 2.2.7
3. Total Number of Hotel Units	7. Open Space (only) or Amenity <b>601 SF</b>
4. Overall Total # Of Dwelling Units (1-6 Above) <b>2</b>	8. Is your project a cottage court? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SIGNATURE BLOCK (Applicable to all developments)	
<p>In filing this plan as the property owner(s), I/we do hereby agree and firmly bind ourselves, my/our heirs, executors, administrators, successors and assigns jointly and severally to construct all improvements and make all dedications as shown on this proposed development plan as approved by the City.</p> <p>I hereby designate <u><b>Joshua Crumpler</b></u> to serve as my agent regarding this application, to receive and respond to administrative comments, to resubmit plans on my behalf and to represent me in any public meeting regarding this application.</p> <p>I/we have read, acknowledge and affirm that this project is conforming to all application requirements applicable with the proposed development use.</p> <p>Signed <u></u> Date <u><b>05/30/17</b></u></p> <p>Printed Name <u><b>Corey Mason</b></u></p> <p>Signed _____ Date _____</p> <p>Printed Name _____</p>	

TO BE COMPLETED BY APPLICANT			TO BE COMPLETED BY CITY STAFF		
General Requirements	YES	N/A	YES	NO	N/A
1. Filing Fee for Plan Review – Payments may be made by cash, Visa, Master Card or check made payable to the City of Raleigh	<input checked="" type="checkbox"/>		cc		
2. Administrative Site Review Application completed and signed by the property owner(s)	<input checked="" type="checkbox"/>		email		
3. Client must complete and adhere page 1 and 2 of the Administrative Site Review Application to the plan cover sheet	<input checked="" type="checkbox"/>				
4. I have referenced the Administrative Site Review Checklist and by using this as a guide, it will ensure that I receive a complete and thorough first review by the City of Raleigh	<input checked="" type="checkbox"/>				
5. Provide the following plan sheets:	<input checked="" type="checkbox"/>				
a) Cover sheet: includes general notes, owner's name, contact's name, telephone number, mailing address and email address	<input checked="" type="checkbox"/>		✓		
b) Existing Conditions Sheet, including, but not limited to, structures, buildings, utilities, infrastructure, and vegetation	<input checked="" type="checkbox"/>		✓		
c) Proposed Site Plan	<input checked="" type="checkbox"/>		✓		
d) Proposed Grading Plan	<input checked="" type="checkbox"/>				
e) Proposed Stormwater Plan, including preliminary stormwater quantity and quality summary and calculations package. If not required, provide City Code section on front cover.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		✓	
f) Proposed Utility Plan, including Fire	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✓		
g) Proposed Tree Conservation Plan – For secondary Tree Conservation Areas, include two copies of the tree cover report completed by a certified arborist, North Carolina licensed landscape architect, or North Carolina register forester. If not required, provide City Code section on front cover.	<input type="checkbox"/>	<input checked="" type="checkbox"/>			✓
h) Proposed Landscape Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✓		
i) Building elevations that show existing and/or proposed building height. If demolition, do not include buildings to be demolished.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✓		
j) Transportation Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>			✓
6. Ten (10) sets of proposed plans to engineering scale (1" = 20', 1" = 100', etc.), and date of preparation. <u>For re-submittals – include all revision dates</u>	<input checked="" type="checkbox"/>		✓		
7. Minimum plan size 18"x24" not to exceed 36"x42"	<input checked="" type="checkbox"/>		✓		
8. A vicinity map no smaller/less than 1"=500' and no larger than 1"=1000' to the inch, showing the position of the plan with its relation to surrounding streets and properties, and oriented in the same direction as the preliminary plan	<input checked="" type="checkbox"/>		✓		
9. Include sheet index and legend defining all symbols with true north arrow, with north being at the top of the map	<input checked="" type="checkbox"/>		✓		
10. Digital copy of only the plan and elevations. Label the CD or flash drive with the plan name, case file number, and indicate the review cycle #.	<input checked="" type="checkbox"/>		✓		
11. Wake County School Form, if dwelling units are proposed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	✓		
12. If applicable, zoning conditions adhered to the plan cover sheet	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

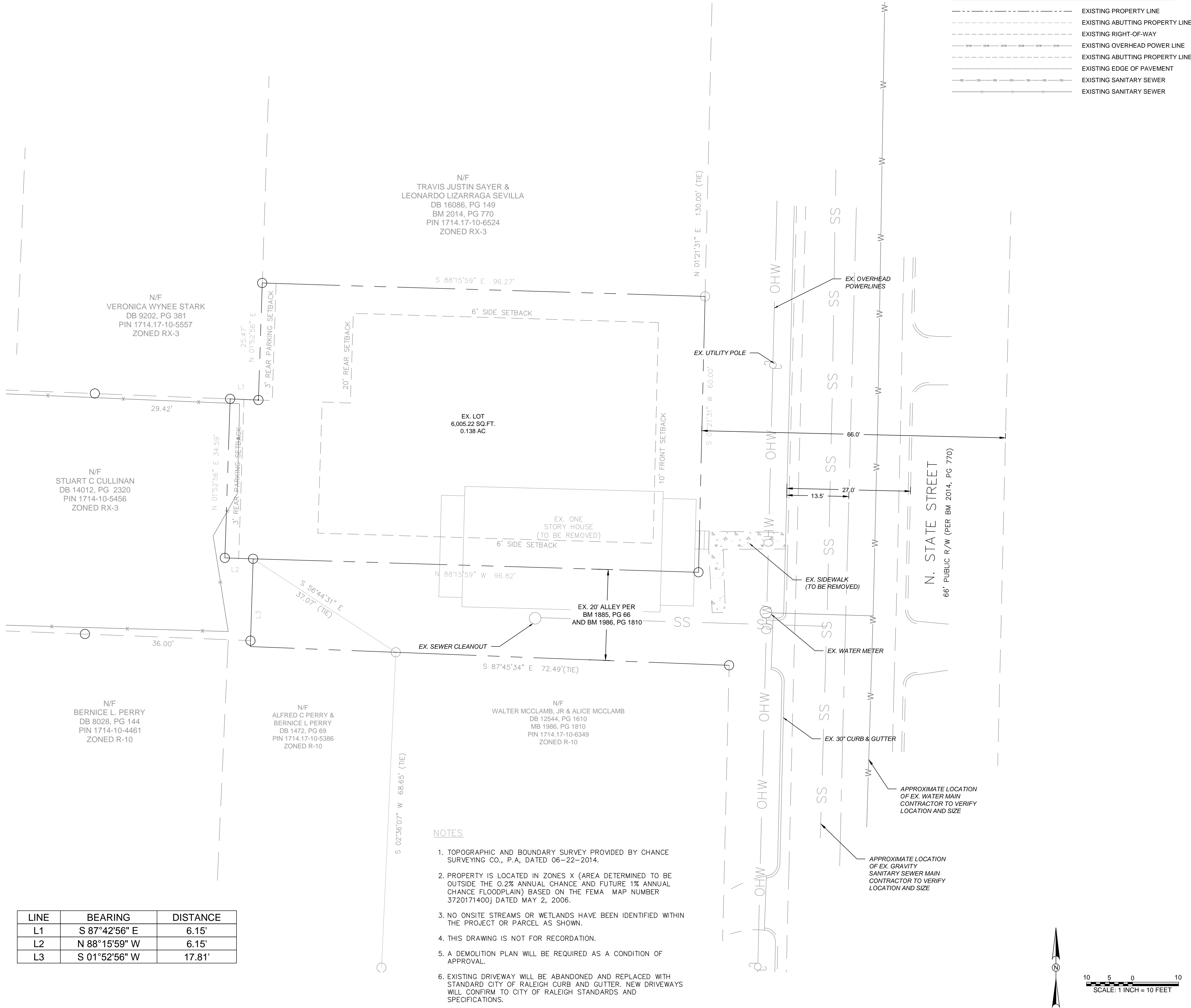
CAC: North Centrap

No overlays

map name  
1714 17  
0.14ac

Zoning: RX-3

Stormwater: Pigeon House



ISSUED FOR PERMITTING

REV.	DESCRIPTION	DATE

EXISTING CONDITIONS

FHD — 309 N. STATE STREET

309 N. STATE STREET

RALEIGH, NORTH CAROLINA

PROJECT NO.: 17011

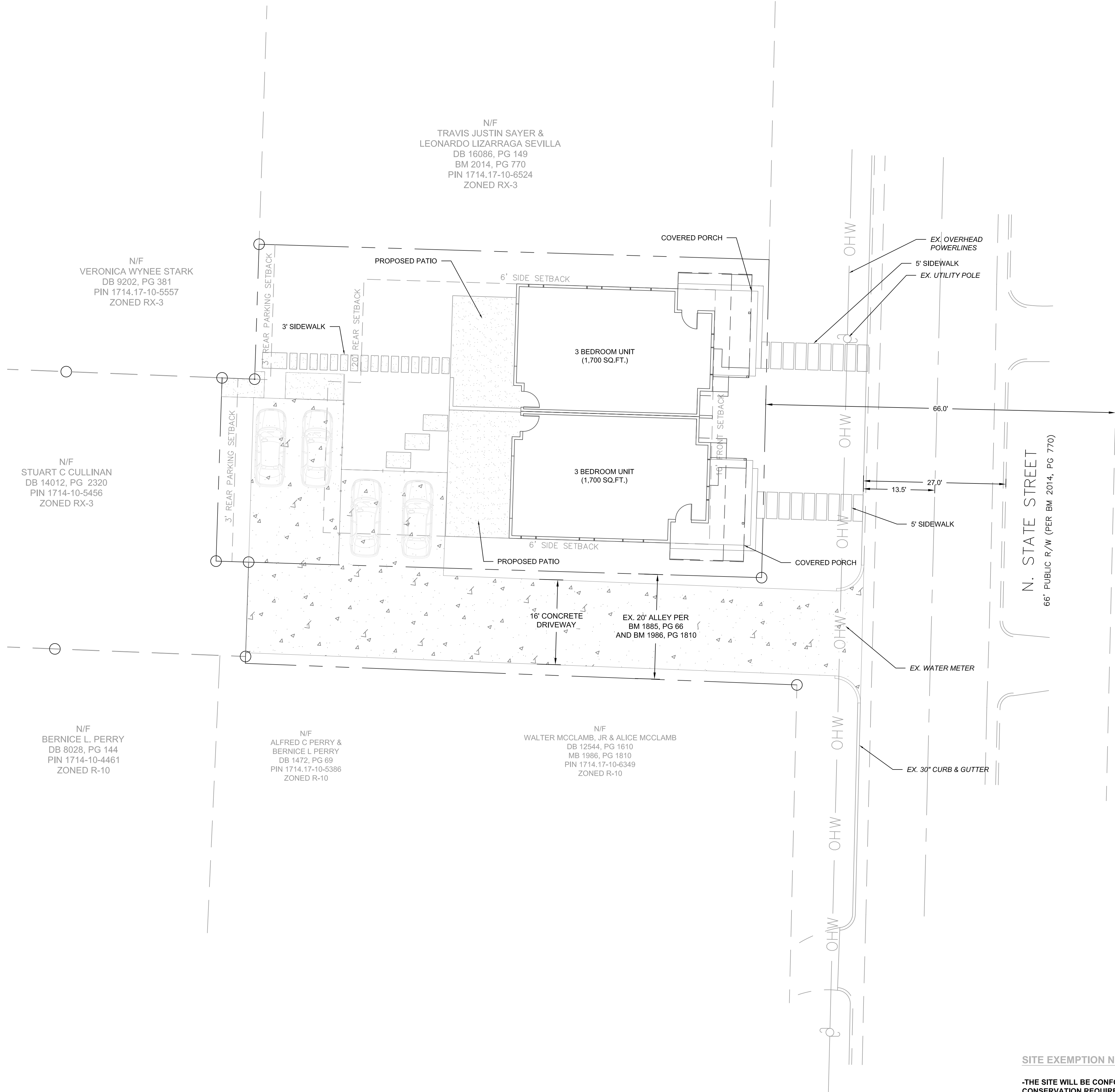
DRAWN BY: JAC

CHECKED BY: JAC

DATE: 05/25/17

SCALE: 1" = 20'





LEGEND	
	EXISTING PROPERTY LINE
	EXISTING ABUTTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING OVERHEAD POWER LINE
	EXISTING ABUTTING PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING SANITARY SEWER
	EXISTING SANITARY SEWER
	EXISTING PAINT STRIPING
	PROPOSED CITY OF RALEIGH
	GENERAL UTILITY EASEMENT
	PROPOSED LOT LINE
	PROPOSED OUTDOOR AMENITY AREA

SUMMARY INFORMATION	
<b>DEVELOPMENT NAME:</b> FHD-309 N. STATE	
<b>SITE ADDRESS:</b> 309 N. STATE STREET RALEIGH, NORTH CAROLINA 27601	
<b>PIN NUMBER:</b> 1714-10-6428	
<b>JURISDICTION:</b> CITY OF RALEIGH <b>CURRENT ZONING DISTRICT:</b> RX-3 <b>NEIGHBORHOOD OVERLAY DISTRICT:</b> NEW BERN-EDENTON	
<b>SITE DIMENSIONS:</b> <b>REQUIRED:</b> 0.076 ACRES (3,300.00 SF) <b>PROVIDED:</b> 0.138 ACRES (6,005.22 SF) <b>MIN. SITE WIDTH:</b> 44' <b>SITE WIDTH PROVIDED:</b> 60'	
<b>EXISTING USE:</b> SINGLE FAMILY <b>PROPOSED USE:</b> DUPLEX (ATTACHED HOUSE)	
<b>BUILDING SETBACKS:</b> <b>FRONT:</b> 10' <b>SIDE STREET:</b> 10' <b>SIDE:</b> 6' <b>REAR:</b> 20'	
<b>PARKING SETBACKS:</b> <b>FRONT:</b> 20' <b>SIDE STREET:</b> 10' <b>SIDE:</b> 0' OR 3' <b>REAR:</b> 3'	
<b>PRIMARY STREET BUILD-TO:</b> 10'/30' <b>PRIMARY STREET BUILD-TO WIDTH REQUIRED:</b> 70% (42') <b>PRIMARY STREET BUILD-TO WIDTH PROVIDED:</b> 48' <b>NUMBER OF UNITS:</b> 1 DUPLEX	
<b>PRE DEVELOPMENT IMPERVIOUS AREA (AC):</b> 1,512 SF <b>POST DEVELOPMENT IMPERVIOUS PERCENTAGE:</b> 25.18% <b>POST DEVELOPMENT IMPERVIOUS AREA (AC):</b> 3,824.83 SF <b>POST DEVELOPMENT IMPERVIOUS PERCENTAGE:</b> 63.70%	
<b>PARKING CALCULATIONS:</b> <b>EXISTING PARKING PROVIDED:</b> = 2 SPACES <b>2 SPACES PER UNIT</b> <b>PARKING REQUIRED:</b> = 4 SPACES <b>PARKING PROVIDED:</b> = 4 SPACES	
<b>OWNER/DEVELOPER:</b> FIVE HORIZONS DEVELOPMENT 302 GLASCOCK STREET RALEIGH, NC 27604	
<b>ENGINEER:</b> CRUMPLER CONSULTING SERVICES, PLLC CONTACT: JOSH CRUMPLER, PE 2308 RIDGE ROAD RALEIGH, NC 27612 (919) 413-1704	

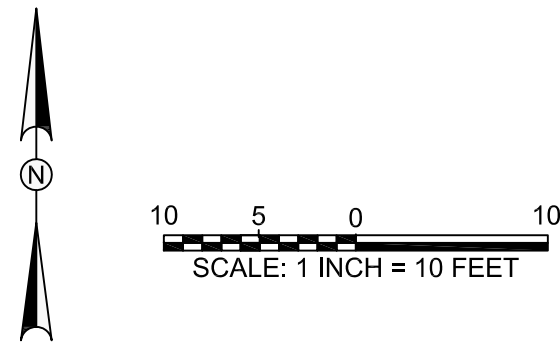
NOTES

- TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY CHANCE SURVEYING CO., P.A, DATED 06-22-2014.
- PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720171400J DATED MAY 2, 2006.
- NO ONSITE STREAMS OR WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN.
- THIS DRAWING IS NOT FOR RECORDATION.
- A DEMOLITION PLAN WILL BE REQUIRED AS A CONDITION OF APPROVAL.
- EXISTING DRIVEWAY WILL BE ABANDONED AND REPLACED WITH STANDARD CITY OF RALEIGH CURB AND GUTTER. NEW DRIVEWAYS WILL CONFORM TO CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.

SITE EXEMPTION NOTES:

-THE SITE WILL BE CONFORMING TO THE EXEMPTION OF TREE CONSERVATION REQUIREMENTS THROUGH THE CITY OF RALEIGH'S UNIFIED DEVELOPMENT CODE SECTION 9.1.2 FOR PARCELS LESS THAN 2 ACRES IN SIZE.

-THE SITE WILL BE CONFORMING TO THE EXEMPTION OF STORMWATER CONTROL REQUIREMENTS THROUGH THE CITY OF RALEIGH'S UNIFIED DEVELOPMENT CODE SECTION 9.2.2.A-2 AS AMENDED BY TC-2-16.



ISSUED FOR PERMITTING

DATE

DESCRIPTION

REV.

SITE PLAN

FHD - 309 N. STATE  
309 N. STATE STREET  
RALEIGH, NORTH CAROLINA

PROJECT NO.: 17011

DRAWN BY: JAC

CHECKED BY: JAC

DATE: 05/25/17

SCALE: 1" = 20'

C-3

3 of 6

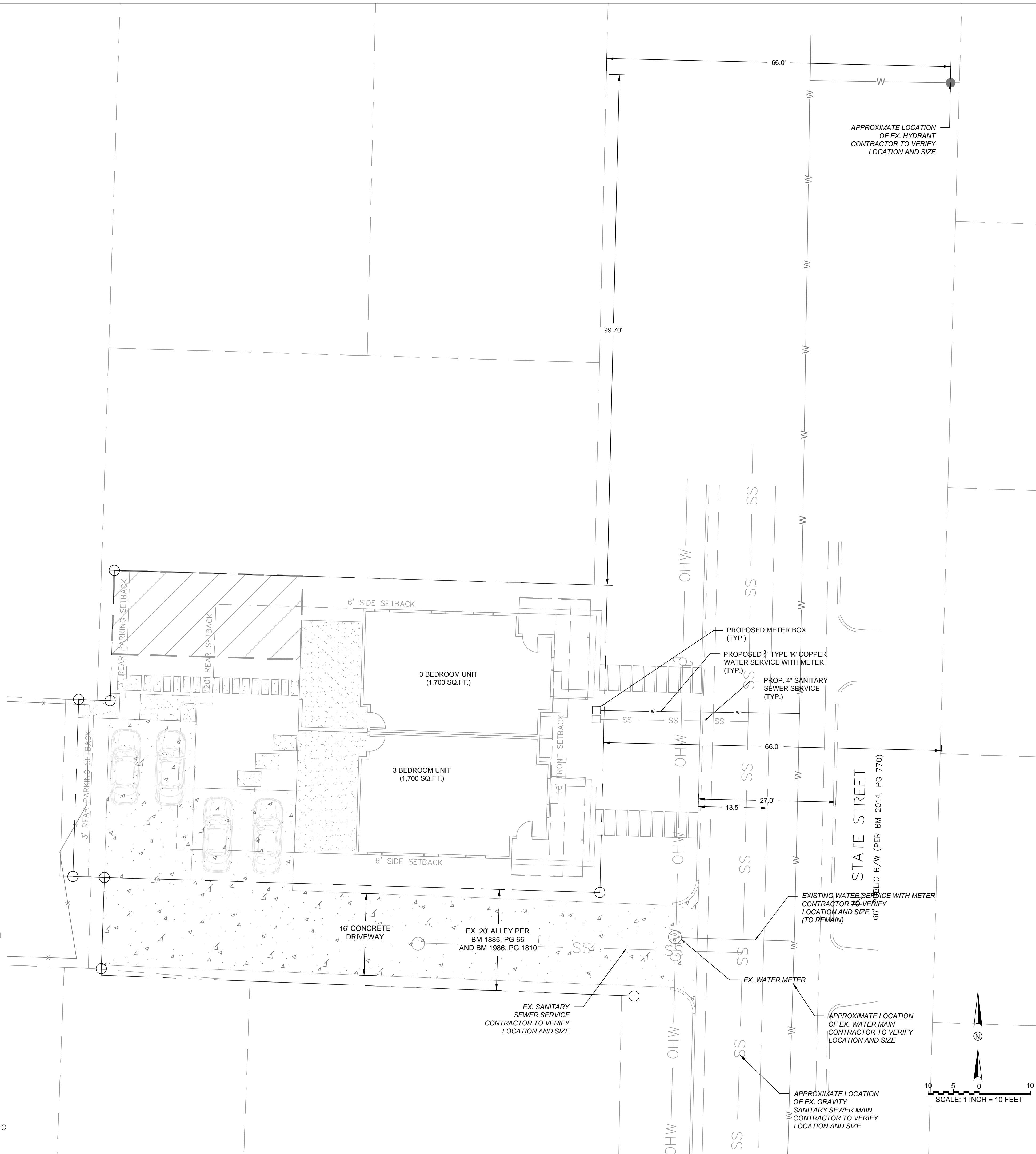
CRUMPLER  
Consulting Services, PLLC

2308 Ridge Road  
Raleigh, North Carolina 27612  
Ph: 919-413-1704  
P-1533



1. TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY CHANCE SURVEYING CO., P.A. DATED 06-22-2014.
2. PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720171400J DATED MAY 2, 2006.
3. NO ONSITE STREAMS OR WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN.
4. THIS DRAWING IS NOT FOR RECORDATION.
5. A DEMOLITION PLAN WILL BE REQUIRED AS A CONDITION OF APPROVAL.
6. EXISTING DRIVEWAY WILL BE ABANDONED AND REPLACED WITH STANDARD CITY OF RALEIGH CURB AND GUTTER. NEW DRIVEWAYS WILL CONFIRM TO CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.

1. ALL PORTION OF THE EXTERIOR WALL OF THE FIRST FLOOR OF BUILDING SHALL BE LOCATED WITHIN 150 FEET OF FIRE APPARATUS LOCATED WITHIN ROADWAY.
2. FIRE FLOW ANALYSIS MUST BE PROVEN PRIOR TO ISSUANCE OF BUILDING PERMITS.
3. FIRE HYDRANTS SHALL BE NO MORE THAN 400' FROM A BUILDING OR HOUSE AS HOW THE FIRE HOSE LAYS.



EXISTING PROPERTY LINE

EXISTING ABUTTING PROPERTY LINE

EXISTING RIGHT-OF-WAY

EXISTING OVERHEAD POWER LINE

EXISTING ABUTTING PROPERTY LINE

EXISTING EDGE OF PAVEMENT

EXISTING SANITARY SEWER

EXISTING SANITARY SEWER

PROPOSED SANITARY SEWER SERVICE

PROPOSED WATER SERVICE

PROPOSED CITY OF RALEIGH

GENERAL UTILITY EASEMENT

PROPOSED LOT LINE

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 PUBLIC WELL.

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 WATERMAIN, 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" MIN. 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 FERREMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.

6. ABANDON AND REMOVE EXISTING WATER AND SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF SITE AS 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 3/4" 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.

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 10' ABOVE THE NEXT UPSTREAM MANHOLE.

10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDQW, 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@raleighinc.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 MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR joanie.hartley@raleighinc.gov FOR MORE INFORMATION.

14. NEW WATER AND SEWER SERVICES SHALL BE INSTALLED BY OPEN CUT PER CITY OF RALEIGH STANDARDS.