

DUPLEX OF MILBURNIE SR-107-2016



0 300 600 Feet

Zoning: **R-10**
CAC: **East Raleigh**
Drainage Basin: **Crabtree Creek**
Acreage: **0.4**
Sq. Ft.: **1,322**

Planner: **Martha Lobo**
Phone: **(919) 996-2664**
Applicant: **Mangrum Building, LLC**
Phone: **(919) 868-3114**





Administrative Approval Action

Case File / Name: SR-107-16, Duplex of Milburnie
Transaction # 499008, AA # 3693

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 at 2759 Milburnie Road, on the north side of Milburnie Road.

REQUEST: Development of a 0.39 acre tract, zoned R-6. Applicant is seeking to construct a 2-unit attached house, consisting of 2,506 square feet gross (1,253 sq ft per unit). Building height is 24'.

**DESIGN
ADJUSTMENT(S)/
ALTERNATES, ETC:** N/A

FINDINGS: City Administration finds that this request, with the below conditions of approval being met, conforms to the Unified Development Ordinance. This approval is based on a preliminary plan submitted by Horvath Associates, PA, dated 8/12/17.

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. Next Step: 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

2. A 100-year floodplain analysis shall be submitted and approved by the Engineering Services Department prior to the issuance of a mass grading permit or other site permit, whichever comes first.

Next Step: 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.

URBAN FORESTRY

3. Obtain required stub and tree impact permits from the City of Raleigh. *(used with new streets and infrastructure)*

PRIOR TO ISSUANCE OF BUILDING PERMITS:

GENERAL

1. Provide fire flow analysis.

ENGINEERING

2. 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 a map approved for recordation. The deed of easement shall be recorded at Wake County Register of Deeds within one (1) day of recordation of the recorded plat. A recorded copy of these documents must be provided to the Development Services Department.
3. In accordance with Part 10A Section 8.1.10, a fee-in-lieu for 1' of sidewalk along the Milburnie Rd. Frontage shall be paid to the City of Raleigh.



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4. Next Step: A right-of-way obstruction permit shall be obtained from Right-of-way Services for any construction activity within the right-of-way.

STORMWATER

5. Next Step: The flood prone areas, as approved by the City Stormwater Engineer, must be shown on the preliminary plan and shall be shown on the recorded map;

URBAN FORESTRY

6. A final inspection of required tree conservation and right of way tree protection areas by Urban Forestry staff must be completed.
7. A tree impact permit must be obtained for the approved streetscape tree installation in the right of way.

PRIOR TO ISSUANCE OF BUILDING OCCUPANCY PERMITS:

1. 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.
2. Next Step: All street lights and street signs required as part of the development approval are installed.
3. 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.
4. Next Step: Final inspection of all required Tree Conservation and right of way tree protection areas by Urban Forestry Staff.

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 re-approval 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: 11-9-2020

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)

Date: 11/9/2017

Staff Coordinator: Ryan Boivin

<SITE PLAN>

DUPLEX OF MILBURNIE

2759 MILBURNIE ROAD, RALEIGH, NC

PIN: 1724011764
RID: 0039704

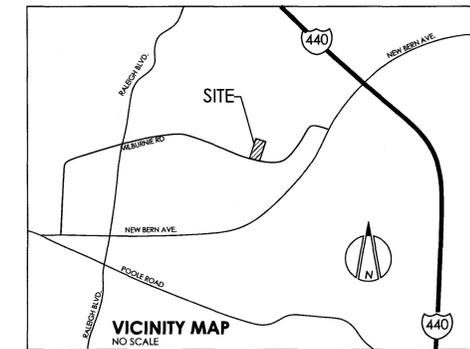
OWNER
ESPITIA PROPERTIES
PO BOX 13882
DURHAM, NC 27709-3882

DEVELOPER
MANGRUM BUILDING, LLC
C/O RONNIE ADAMS
412-A EASE WILLIAMS ST.
APEX, NC 27502
919.868.3114
radams.mangrumbuilding@gmail.com

ENGINEER/LAND PLANNER
HORVATH ASSOCIATES, PA
16 CONSULTANT PLACE, SUITE 201
DURHAM, N.C. 27707
P: (919) 490-4990
F: (919) 490-8953
e-mail: kelly.gowers@horvathassociates.com

INDEX OF DRAWINGS:

- C000 COVER SHEET
- C001 EXISTING CONDITIONS/DEMOLITION PLAN
- C100 SITE PLAN AND LANDSCAPE PLAN
- C300 UTILITY PLAN
- C400 GRADING AND DRAINAGE PLAN
- A-1 BUILDING ELEVATIONS (BY OTHERS)



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 | fax: 919-996-1831
Litchford Satellite Office | 8320 - 130 Litchford Road | Raleigh, NC 27601 | 919-996-4200

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 type="checkbox"/> General | Transaction Number | |
| <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Mixed Use | Assigned Project Coordinator | |
| <input type="checkbox"/> Apartment | <input type="checkbox"/> Open Lot | Assigned Team Leader | |
| <input type="checkbox"/> Townhouse | | | |

Has your project previously been through the Due Diligence or Sketch Plan Review process? If yes, provide the transaction # _____

GENERAL INFORMATION

Development Name: **2759 Milburnie Road**

Zoning District: **R-6** Overlay District (if applicable): _____ Inside City Limits? Yes No

Proposed Use: **2-unit building**

Property Address(es): **2759 Milburnie Road** Major Street Locator: **Milburnie Road**

Wake County Property Identification Number(s) for each parcel to which these guidelines will apply:

| P.I.N. | P.I.N. | P.I.N. | P.I.N. |
|-------------------|--------|--------|--------|
| 1724011764 | | | |

What is your project type? Apartment Elderly Facilities Hospitals Hotels/Hotels Office Industrial Building

Mixed Residential Non-Residential Condo School Shopping Center Banks Retail

Duplex Telecommunication Tower Religious Institutions Residential Condo Cottage Court

Other, if other, please describe: _____

WORK SCOPE
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.
A 2-unit building with associated parking.

DESIGN ADJUSTMENT OR ADMIN ALTERNATE
Per City Code Chapter 8, summarize if your project requires either a design adjustment, or Section 10 - Alternate Administrative AE

| CLIENT/DEVELOPER/OWNER | Company | Name (s) |
|------------------------|--|--------------|
| | Mangrum Building, LLC | Ronnie Adams |
| | Address: 412-A East Williams St., Apex, NC 27502 | |
| | Phone: 919.868.3114 Email: radams.mangrumbuilding@gmail.com Fax: _____ | |

| CONSULTANT (Contact Person for Plans) | Company | Name (s) |
|---------------------------------------|---|--------------|
| | Horvath Associates | Kelly Gowers |
| | Address: 16 Consultant Place, Suite 201 | |
| | Phone: 919.490.4990 Email: kelly.gowers@horvathassociates.com Fax: 919.490.8953 | |

PAGE 1 OF 3 WWW.RALEIGHNC.GOV REVISION 05.13.16

DEVELOPMENT TYPE & SITE DATA TABLE (Applicable to all developments)

| Zoning Information | | Building Information | |
|--|--|---|--|
| Zoning District(s) R-6 | | Proposed building use(s) Attached House | |
| If more than one district, provide the acreage of each: | | Existing Building(s) sq. ft. gross N/A | |
| Overlay District | | Proposed Building(s) sq. ft. gross 1253 sf/unit (2506 sf total) | |
| Total Site Acres Inside City Limits <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 0.403 | | Total sq. ft. gross (existing & proposed) 1253 sf/unit (2506 sf total) | |
| Off street parking: Required 4 Provided 4 | | Proposed height of building(s) 24' | |
| COA (Certificate of Appropriateness) case # | | # of stories 2 | |
| BOA (Board of Adjustment) case # A- | | Ceiling height of 1 st Floor 8' | |
| CUD (Conditional Use District) case # Z- | | | |

Stormwater Information

Existing Impervious Surface **2,117 sf** acres/square feet Flood Hazard Area Yes No

Proposed Impervious Surface **3,329 sf** acres/square feet If Yes, please provide:

Neuse River Buffer Yes No Wetlands Yes No Alluvial Soils Flood Study FEMA Map Panel # **3720172400J**

FOR RESIDENTIAL DEVELOPMENTS

| | |
|--|---|
| 1. Total # Of Apartment, Condominium or Residential Units 2 | 5. Bedroom Units: 1br 2br 3br 4br or more |
| 2. Total # Of Congregate Care Or Life Care Dwelling Units N/A | 6. Infill Development 2.2.7 N/A |
| 3. Total Number of Hotel Units N/A | 7. Open Space (only) or Amenity N/A |
| 4. Overall Total # Of Dwelling Units (1-6 Above) 2 | 8. Is your project a cottage court? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

SIGNATURE BLOCK (Applicable to all developments)

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.

I hereby designate **Ronnie Adams** 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.

I/we have read, acknowledge and affirm that this project is conforming to all application requirements applicable with the proposed development use.

Signed _____ Date _____

Printed Name _____

Signed _____ Date _____

Printed Name _____

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DEVELOPMENT SUMMARY:

SITE SUMMARY

GROSS LAND AREA: 17,570 SF (0.40 AC)
PROJECT AREA: 17,570 SF (0.40 AC)
AREA OF DISTURBANCE: 8,333 SF (0.19 AC)
EXISTING ZONING: R-6
PROPOSED ZONING: R-6
EXISTING USE: RESIDENTIAL-ATTACHED HOUSE
PROPOSED USE: RESIDENTIAL-ATTACHED HOUSE
FIRM MAP NO. 3720172400J PANEL 1724 EFFECTIVE DATE MAY 2, 2006

LOT SUMMARY

MAXIMUM BUILDING HEIGHT: 40/3 STORIES
TOTAL LOTS: 01
MINIMUM LOT SIZE: 9,000 SF (MIN)
PRIMARY STREET SETBACK: 10' MIN
SIDE STREET SETBACK: 10' MIN
SIDE LOT LINE SETBACK: 5' MIN / 15' TOTAL
REAR SETBACK: 20' MIN

2 PARKING SPACES WILL BE PROVIDED FOR EACH UNIT

BUILDING SUMMARY

EXISTING BUILDING AREA: NA
PROPOSED BUILDING AREA: 2,506 SF (1.253 SF/UNIT)
PROPOSED BUILDING HEIGHT: 24'

PARKING SUMMARY

REQUIRED PARKING: 2 PER UNIT 4 SPACES
TOTAL REQUIRED PARKING: 4 SPACES

HC PARKING PROVIDED: 01 SPACES
STANDARD PARKING PROVIDED (9' X 18'): 03 SPACES
TOTAL PARKING PROVIDED: 04 SPACES

IMPERVIOUS SUMMARY

EXISTING IMPERVIOUS AREA: 2,117 SF TOTAL
PROPOSED IMPERVIOUS AREA: 3,329 SF

PARKING LOTS: 1,875 SF
SIDEWALK: 132 SF
BUILDING: 1,322 SF

NOTE
RESIDENTIAL INFILL RULES MAY APPLY AS PER UDO SEC.2.2.2.8.B6.AND UDO 2.2.7.

APPROVAL STAMP

January 25, 2017
1 City of Raleigh 1st review comments | FS

April 27, 2017
2 City of Raleigh 2nd review comments | FS

AUG 12, 2017
3 City of Raleigh Final review comments | FS

DRAWN BY: FJS CHECKED BY: KAG
DATE: Oct 26, 2016
SCALE: AS NOTED
PROJECT NO. 1377
SHEET NO. C000

SR-107-16
#499008

- NOTES:**
- PER SECTION 9.1.2 OF THE UNIFIED DEVELOPMENT ORDINANCE, TREE CONSERVATION AREA IS NOT APPLICABLE TO THIS SITE SINCE IT IS LESS THEN 2 ACRES IN SIZE.
 - STORMWATER CONTROL MEASURES WITH ANY SIZE GRANDFATHERED LOT RECORDED PRIOR TO 5/1/01, USED FOR SPD OR DUPLEX USE BUT SUBJECT TO THE IMPERVIOUS LIMITATION OF UDO 9.2.2.A.4 OR 5.1% FOR R-6 ZONING.
 - 2.1. ORIGINAL DEED ON THIS PROPERTY DB 1045, PG 346, DATED 06/30/1950 IN THE WAKE COUNTY REGISTRY

HORVATH ASSOCIATES
CIVIL ENGINEERING LAND PLANNING
LANDSCAPE ARCHITECTURE STORMWATER MANAGEMENT
16 CONSULTANT PLACE, SUITE 201
DURHAM, NORTH CAROLINA 27707
P 919.490.4990 F 919.490.8953
NORTH CAROLINA BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS LICENSE NO.: C-0676
www.horvathassociates.com

DUPLEX OF MILBURNIE
2759 MILBURNIE ROAD
RALEIGH, NORTH CAROLINA

COVER SHEET



January 25, 2017
1 City of Raleigh 1st review comments | FS

April 27, 2017
2 City of Raleigh 2nd review comments | FS

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<SITE PLAN>

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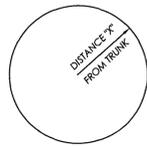
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NOTE:
 RESIDENTIAL INFILL RULES MAY APPLY AS PER UDO SEC 2.2.2.B.8.6 AND UDO 2.2.7.



NOTE: DISTANCE "C" FROM TRUNK SHALL BE A MINIMUM OF 6' OR 1' RADIUS PER 1" OF TREE DIAMETER, WHICHEVER IS GREATER.

2 ROOT ZONE PROTECTION
 C001 SCALE: N.T.S.

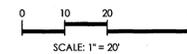
EXISTING CONDITIONS NOTES:

- BOUNDARY SURVEY FROM BL SCOTT & CO DATED 12-19-12.
- TOPOGRAPHIC INFORMATION FROM CITY GIS.
- EXIT STREET UTILITIES INFORMATION FROM CITY GIS/GOOGL EARTH. (ALL LOCATIONS ARE APPROXIMATE)
- SSCO WAS NOT LOCATABLE AT TIME OF FIELD SURVEY; RETAIN SERVICE FOR USE.
- RETAIN WMS FOR USE AS APPROPRIATE.
- REMOVE WM, CAP & ABANDON W/L TO GMA* AS APPROPRIATE.

PIN: 1724011764
 RID: 0039704



1 EXISTING CONDITIONS/DEMOLITION PLAN
 C001 SCALE: 1"=20'



HORVATH ASSOCIATES

CIVIL, ENGINEERING, LAND PLANNING, LANDSCAPE ARCHITECTURE, SURVEYING, ARCHITECTURE
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DUPLEX OF MILBURNIE
 2759 MILBURNIE ROAD
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EXISTING CONDITIONS/
 DEMOLITION PLAN

| | | | |
|------------------|-----------------|-----------------------|----|
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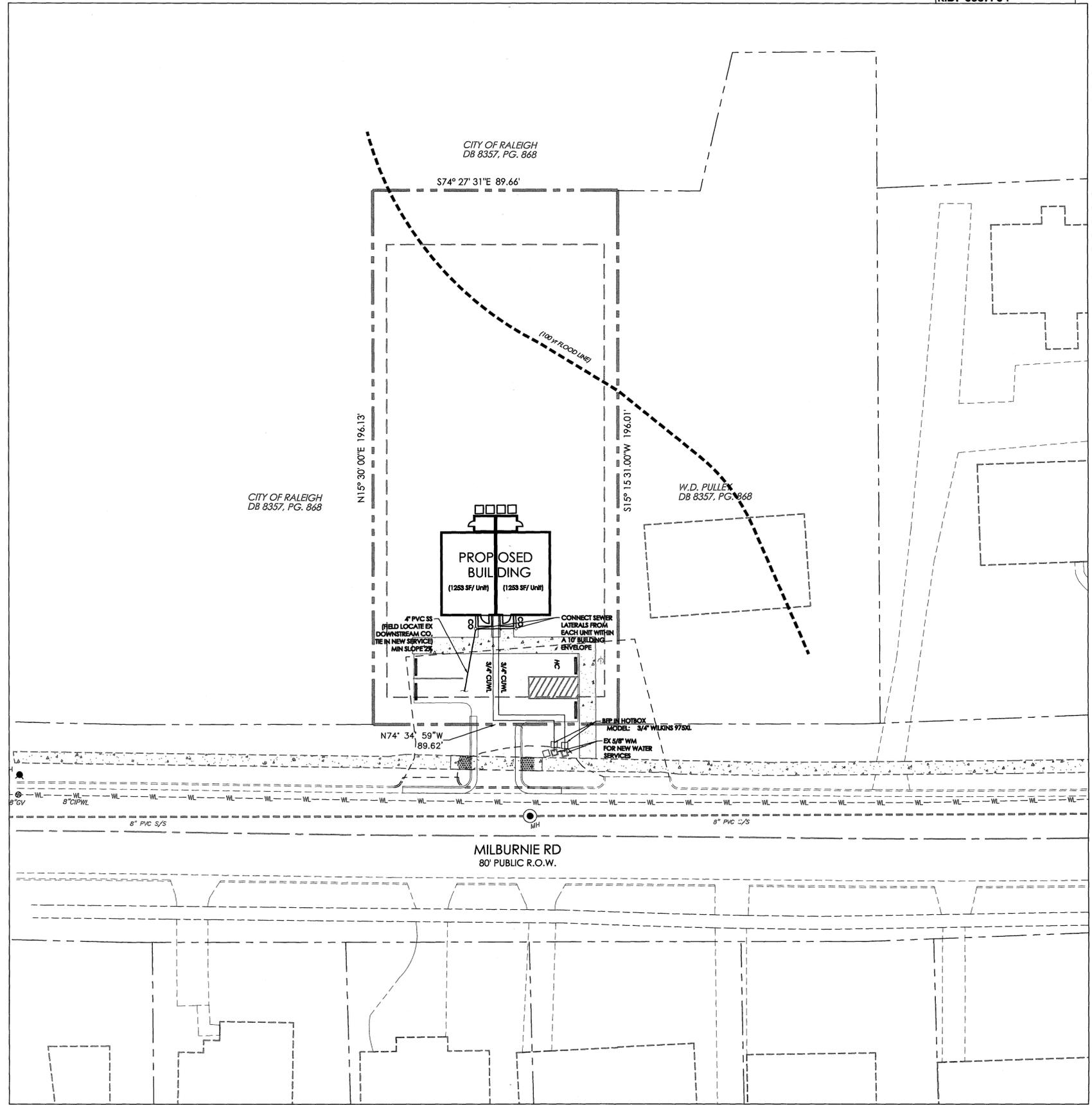
DRAWN BY: FJS
 CHECKED BY: KAG
 DATE: Oct 26, 2016
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 SHEET NO.:

C001

<SITE PLAN>

STANDARD UTILITY NOTES (AS APPLICABLE):

1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, (2014 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.
 - c. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
 - d. WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASUREMENT EXTENDED 10" ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
 - e. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
3. 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)
4. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED
5. 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
6. 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
7. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS
8. 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
9. 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
10. INSTALL 4" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75' LINEAR FEET MAXIMUM
11. 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
12. 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.
13. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION
14. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOGS PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION
15. 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



HORVATH ASSOCIATES
 CIVIL ENGINEERING LANDSCAPE ARCHITECTURE STORMWATER MANAGEMENT
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UTILITY PLAN

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