

Case File / Name: SUB-S-18-2019 Forest Pines Subdivision City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

LOCATION:

This site is located east of Garner Road at the east end of Wilson Street at 800 &

725 Wilson St. This site is outside the city limits.

REQUEST:

Development of a 9.35 acre tract, with 2.01 acres of right-of-way dedication, zoned R-6 (5.82 acres) and R-10 (3.53 acres) into a 26 lot subdivision comprised of 23 residential and 3 open area parcels into a single-family subdivision. The development plan involves two parcels, a portion of site PIN # 1712-12-7659 with a single-family residence (which is inside the city limits) to be recombined with the primary tract and used for public street right-of-way dedication and all of site PIN # 1712-12-3393 for creation of the lots (all of which is outside the city limits).

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 dated December 20, 2019 by PIEDMONT LAND DESIGN, LLP (primary).

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:

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

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

General

- 1. The final location of the Cluster mailbox shall be approved by the Post Master and shown on plan.
- 2. The purchase agreement with the lot address 725 Wilson Street must be approved and executed and the property recombined as necessary.
- 3. On the coversheet for the subdivision case, under the site data information for the dedicated right-of-way, the square footage for the dedicated right-of-way is listed with the acreage shown.

Public Utilities

 A plat shall be recorded for all necessary offsite right-of-way to accommodate future waterline construction.

Stormwater

5. A surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City (UDO 9.4.4).



Case File / Name: SUB-S-18-2019 Forest Pines Subdivision City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

- 6. A stormwater control plan with a stormwater operations and maintenance manual and budget shall be approved (UDO 9.2).
- 7. A nitrogen offset payment must be made to a qualifying mitigation bank (UDO 9.2.2.B).

☑ <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 Site Permitting Review plans, if required, have been deemed ready for mylar signature.

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

General

- 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 recordings and building permits will be withheld if the recorded document is not provided to the Cit
- 2. A note is placed on all plat recordings noting the Primary Street Determinations for Lot 1 & Lot 17 are both Huck Street.
- 3. A public access easement for the temporary fire apparatus turn-arounds on lots 8 and 9 as shown on the preliminary plan shall be approved by the Development Services Department for recording in the Wake County Registry, and a copy of the recorded access easement shall be returned to the Development Services Department within one day of plat recordation. If a recorded copy of the document is not provided within this time, further recordings and building permit issuance will be withheld. The public access easements shall be shown on all plats for recording.

Engineering

- 4. A 5' utility placement 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.
- 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.
- 6. A public infrastructure surety is provided to the City of Raleigh Development Services Development Engineering program (UDO 8.1.3).



Case File / Name: SUB-S-18-2019 Forest Pines Subdivision City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

7. A cross access agreement between proposed lots 7 and 8 and 9 and 10 for shared driveways as shown on the preliminary plan shall be approved by the Development Services Department for recording in the Wake County Registry, and a copy of the recorded cross access easement shall be returned to the Development Services Department within one day of plat recordation. If a recorded copy of the document is not provided within this time, further recordings and building permit issuance will be withheld. The cross access easements shall be shown on all plats for recording.

Public Utilities

- 8. 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.
- 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.
- A Water and/or Sewer Assessment fee shall be paid to the Assessment Specialist in the City of Raleigh Engineering Services Department.

Stormwater

- 11. 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).
- 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).
- 13. 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).
- 14. 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).

Urban Forestry

- 15. A public infrastructure surety for 30 street trees is provided to the City of Raleigh Development Services Development Engineering program (UDO 8.1.3).
- 16. A tree conservation plat shall be recorded with metes and bounds showing the designated tree conservation areas (UDO 9.1). This development proposes .935 acres of tree conservation area.
- 17. A fee-in-lieu for (2) (shade) street trees [for Lots 8 & 9] is paid to the City of Raleigh (UDO 8.1.10).



Case File / Name: SUB-S-18-2019 Forest Pines Subdivision City of Raieigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

☑ <u>BUILDING PERMITS</u> - For buildings and structures shown on the approved plans. Commercial building permit plans must include the signed, approved Site Permitting Review plans attached, if applicable. Permit sets may be reviewed prior to the recordation of required plats, but cannot be approved.

The following items must be approved prior to the issuance of building permits:

Public Utilities

 A plat must be recorded at the Wake County Register of Deeds office for all utility easement dedications.

Urban Forestry

 A tree impact permit must be obtained for the approved streetscape tree installation in the right of way. This development proposes 35 (shade) street trees alongWilson St. and 30 (shade) street trees along Huck St.

The following are required prior to issuance of building occupancy permit:

General

1. 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.

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:

3-Year Sunset Date: January 27, 2023 Record at least ½ of the land area approved.

5-Year Sunset Date: January 27, 2025 Record entire subdivision.

I hereby certify this administrative decision.

Staff Coordinator: Daniel Stegall

Preliminary Subdivision Plan Application

PAGE 1 OF 3

Signature

PAGE 2 OF 3



REVISION 03.11.16

REVISION 03.11.16

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

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

Office Use Only: Transaction#	Project Coordina	ator	Team L	eader			
PRELIMINARY APPROVALS							
Subdivision * Conven	tional Subdivision	Compact Develop	ment	Conservative Subdivision			
*May require City Council approval if in a Metro Park Overlay or Historic Overlay District							
If your project has been through the Due Diligence process, provide the transaction #: 577852							
GENERAL INFORMATION							
Development Name Forest Pines	Subdivision						
Proposed Use Single Family Residential Subdivision							
Property Address(es) 800 Wilson Street & Portion of 725 Wilson Street (to be recombined)							
Wake County Property Identification Number(s) for each parcel to which these guidelines will apply:							
l	ecorded Deed of 1712-12-7659	PIN Recorded Deed		PIN Recorded Deed			
What is your project type?			•	-			
Single family Townho	use 🔲 Subdivision i	in a non-residential zon	ing district				
Other (describe):							
OWNER/DEVELOPER INFORMATION							
Company Name Spectrum Homes, LLC		Owner/Developer Name David Phillips					
Address 8652 Valley Brook Drive Raleigh, NC 27613							
Phone 919-625-6763 Email david.phillips1358@gmail.com Fax							
CONSULTANT/CONTACT PERSON FOR PLANS							
Company Name Piedmont Land Design, LLP Contact Name David Lasley							
Address 8522-204 Six Forks Road Raleigh, NC 27615							
Phone 919-845-7600	Email david@piedn	nontlanddesign.com	Fax 919-	845-7703			

WWW.RALEIGHNC.GOV

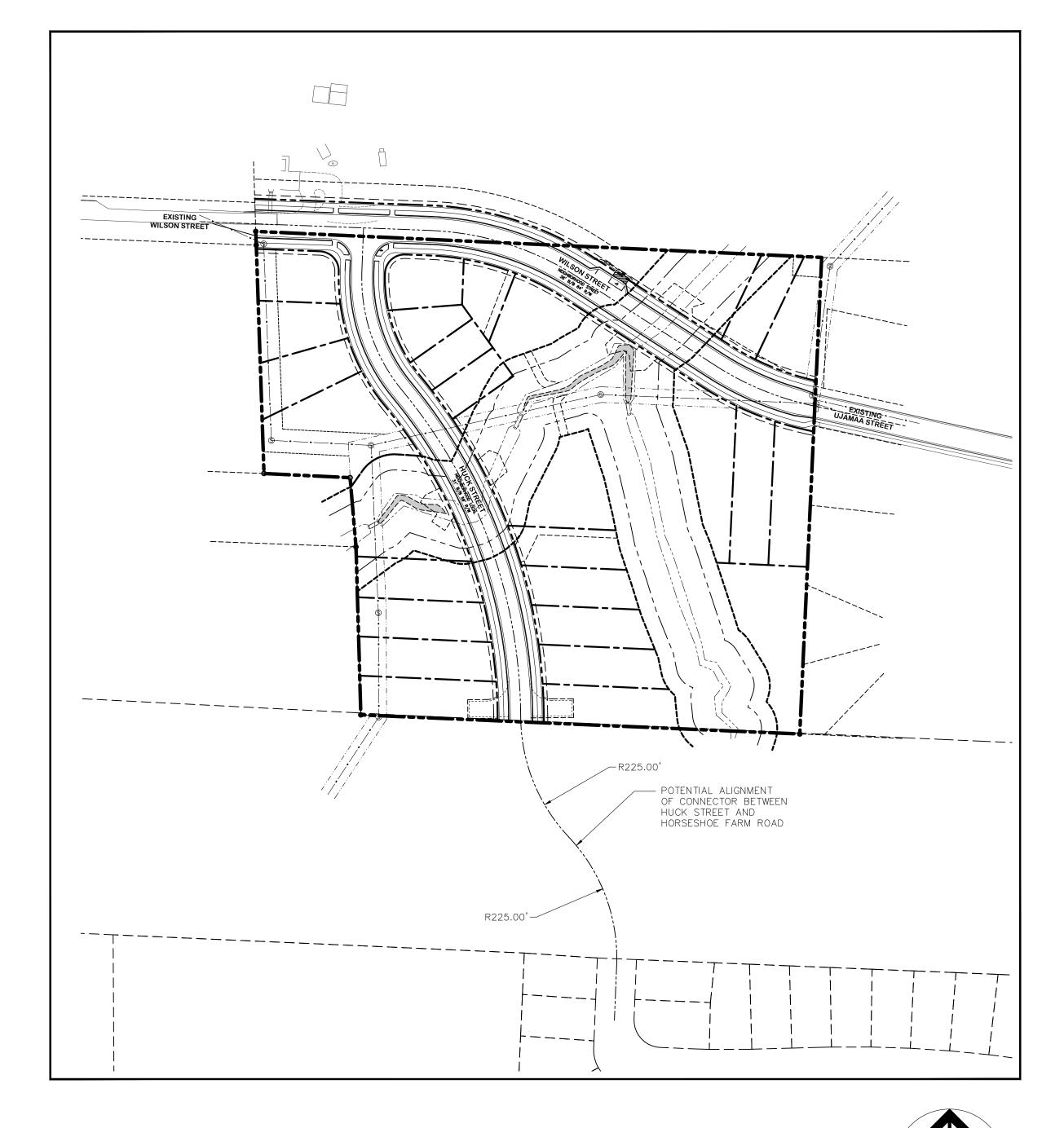
DEVELOPMENT TYPE AND SITE DATE TABLE (Applicable to all developments)					
ZONING INFORMATION					
Zoning District(s) R-6 & R-10					
If more than one district, provide the acreage of each: $R-6$	(5.82 ac.) & R-10 (3.53 ac.)				
Overlay District? Yes No					
Inside City Limits? Yes No					
CUD (Conditional Use District) Case # Z- N/A					
COA (Certificate of Appropriateness) Case # N/A					
BOA (Board of Adjustment) Case # A- N/A					
STORMW	ATER INFORMATION				
Existing Impervious Surface 0.00 acres/sf	Flood Hazard Area Yes No				
Proposed Impervious Surface 1.55/67,810 acres/sf	Neuse River Buffer ■ Yes □ No				
	Wetlands Yes No				
If in a Flood Hazard Area, provide the following:					
Alluvial Soils Flood Study	FEMA Map Panel #				
NUMBER OF LOTS AND DENSITY					
Total # of Townhouse Lots: Detached 0	Attached ()				
Total # of Single Family Lots 23	Total # of All Lots 26				
Overall Unit(s)/Acre Densities Per Zoning Districts R-6 14 lots/5.82 ac=2.40 du/ac. R-10 9 lots/3.53 ac=2.55 du/ac					
Total # of Open Space and/or Common Area Lots 3					
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 subdivision plan as approved by the City. I hereby designate Piedmont Land Design 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.					
Dan E. Fally	TH 14NOV 2019				
Signature	Date				

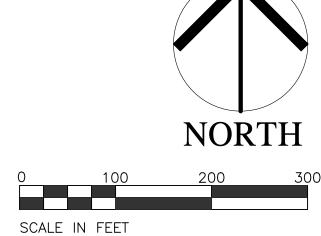
WWW.RALEIGHNC.GOV

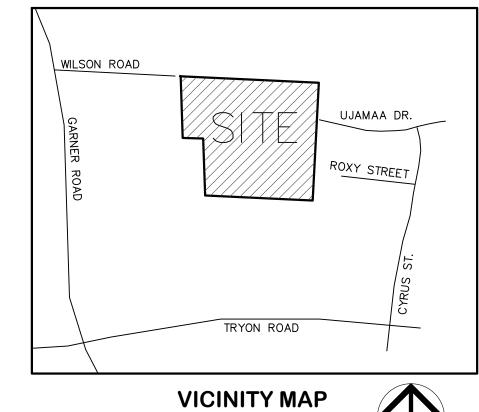
PRELIMINARY SUBDIVISION PLANS FOR:

FOREST PINES SUBDIVISION

800 WILSON STREET RALEIGH, NORTH CAROLINA CASE #SUB-S-18-19 TRANS #592596







SCALE: 1" = 1000'



DRAWING INDEX

PS.1 COVER SHEET
PS.2 EXISTING CONDITIONS PLAN
PS.3 STAKING PLAN
PS.4 GRADING PLAN
PS.5 UTILITY PLAN
PS.6 LANDSCAPE PLAN
PS.7 TREE CONSERVATION PLAN
PS.8 SITE DETAILS

GENERAL NOTES

- 1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- 2. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- 3. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF
- ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.

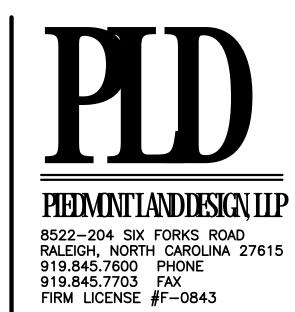
 4. SURVEY AND HORIZONTAL/VERTICAL DATUM INFORMATION IS TAKEN FROM AN AS-BUILT SURVEY BY TURNING
- POINT SURVEYING.
- 5. THE SUBJECT PROPERTIES ARE LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATIONS "X" BY FEMA PANELS 3720171700J WITH AN EFFECTIVE DATE OF MAY 2, 2006. SUBJECT PROPERTY IS NOT LOCATED IN A FLOOD HAZARD AREA.

CITY OF RALEIGH SITE PLAN INFORMATION

11112	PLAN REQUIRES APPROVAL BY PLANNING COMMISSION OR C	CITY COUNCIL: YESNO X
1.	DEVELOPMENT NAME:	FOREST PINES SUBDIVISION
2.	STREET ADDRESS:	800 WILSON STREET & PORTION OF WILSON STREET RALEIGH, NORTH CAROLINA
3.	WAKE COUNTY P.I.N.:	1712-12-3393 & PORTION OF 1712-12-7659
4.	TOTAL NUMBER OF LOTS:	26 (INCLUDES 3 OPEN SPACE LOTS)
5.	TOTAL AREA:	9.35 AC.
6.	ZONING:	R-6 (5.82 AC.) & R-10 (3.53 AC.)
7.	EXISTING USE:	VACANT
8.	PROPOSED USE:	SINGLE FAMILY RESIDENTIAL
9.	DISTURBED AREA:	144,510 SF (3.318 AC.)
10.	INSIDE CITY LIMITS:	NO
11.	INSIDE FLOOD HAZARD BOUNDARY:	NO
12.	INSIDE FALLS LAKE OR SWIFT CREEK DRAINAGE AREA:	NO
13.	DEDICATED STREET RIGHT OF WAY:	2.01 AC.
14.	MINIMUM LOT SIZE	R-6 R-10 6,000 SF 4,000 SF
15.	MINIMUM LOT DIMENSIONS WIDTH CORNER WIDTH DEPTH	R-6 R-10 50' 45' 65' 60' 80' 60'
16.	LOT SETBACKS FRONT SIDE CORNER SIDE SIDE AGGREGATE REAR	R-6 R-10 10' 10' 5' 5' 10' 10' 15' 10' 20' 20'
17.	DENSITY	R-6 R-10 5.82 AC. 3.53 AC. 14 LOTS 9 LOTS 2.40/AC. 2.55/AC.
18.	OWNER/DEVELOPER:	SPECTRUM HOMES, LLC DAVID PHILLIPS 8652 VALLEY BROOK DRIVE RALEIGH, NORTH CAROLINA 27613 (919) 625—6763 david.phillips1358@gmail.com
19.	CONTACT PERSON	PIEDMONT LAND DESIGN, LLP c/o DAVID LASLEY 8522-204 SIX FORKS ROAD RALEIGH , NORTH CAROLINA 27615 (919) 845-7600 (PHONE) (919) 845-7703 (FAX) david@piedmontlanddesign.com (E-M

SOLID WASTE SERVICES STATEMENT

- THE DEVELOPER ACKNOWLEDGES THAT THEY HAVE REVIEWED AND ARE IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE SOLID WASTE DESIGN
- 2. THE DEVELOPER PLANS TO USE PUBLIC HAULER TO HANDLE TRASH NEEDS.



PRELIMINARY
NOT FOR CONSTRUCTION

SON STREET

ISSUED: **10 APR 2019**

REVISIONS:

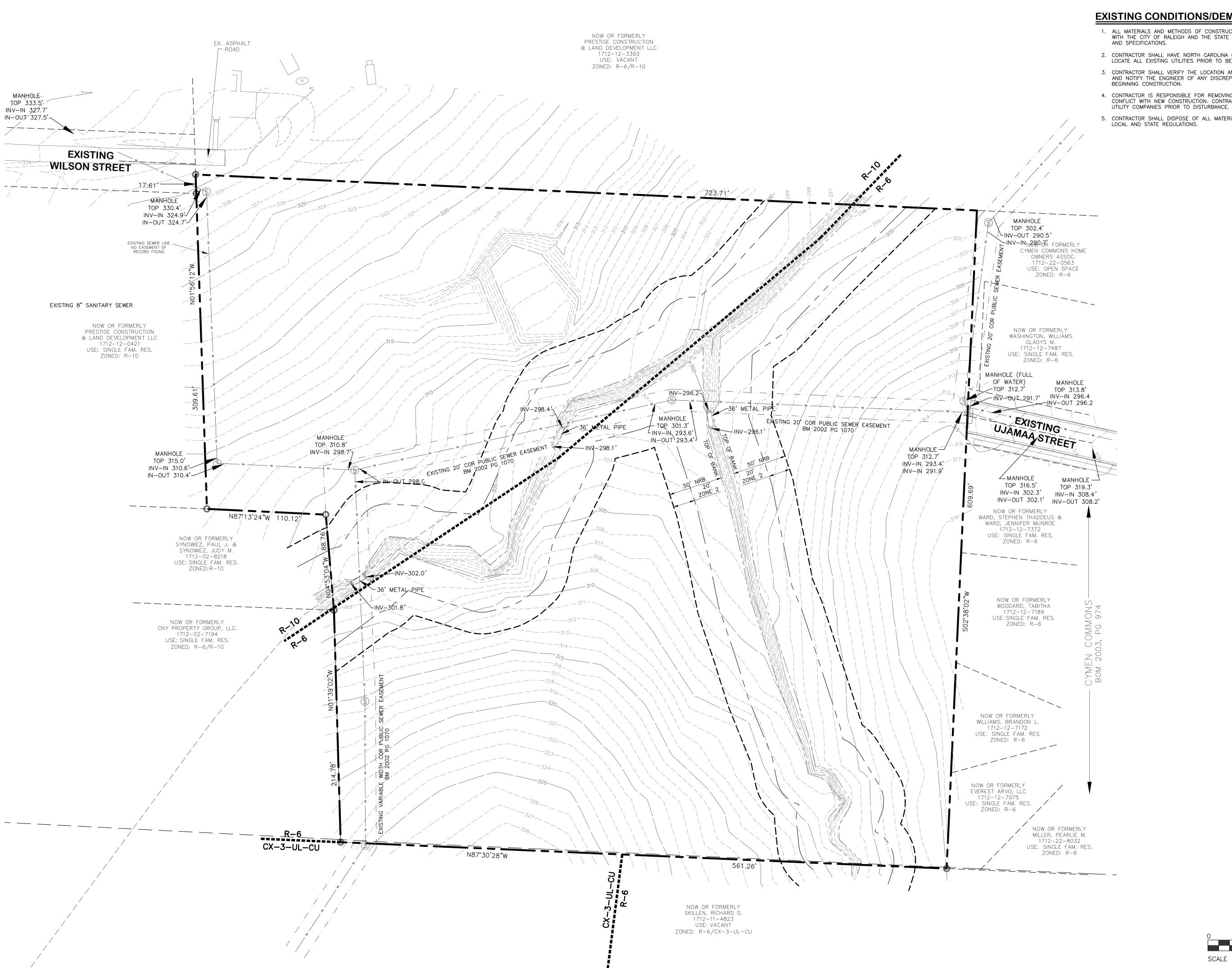
1 JUN	2019	
REVISED PER	CITY	COMMENTS
<u>∕2</u> 15 NOV	2019	
REVISED PER	CITY	COMMENTS

DRAWN BY: CRP CHECKED BY: JDL

PROJECT: WSS

COVER SHEET

DWG. NO. **PS.1**



EXISTING CONDITIONS/DEMOLITION NOTES

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- 4. CONTRACTOR IS RESPONSIBLE FOR REMOVING OR RELOCATING ALL UTILITIES IN CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH
- 5. CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH ALL

PIEDMONT LANDDESIGN, LLP

8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX FIRM LICENSE #F-0843

PRELIMINARY NOT FOR CONSTRUCTION

ISSUED: **10 APR 2019**

REVISIONS:

15 NOV 2019 REVISED PER CITY COMMENTS

DRAWN BY: CRP

CHECKED BY: JDL

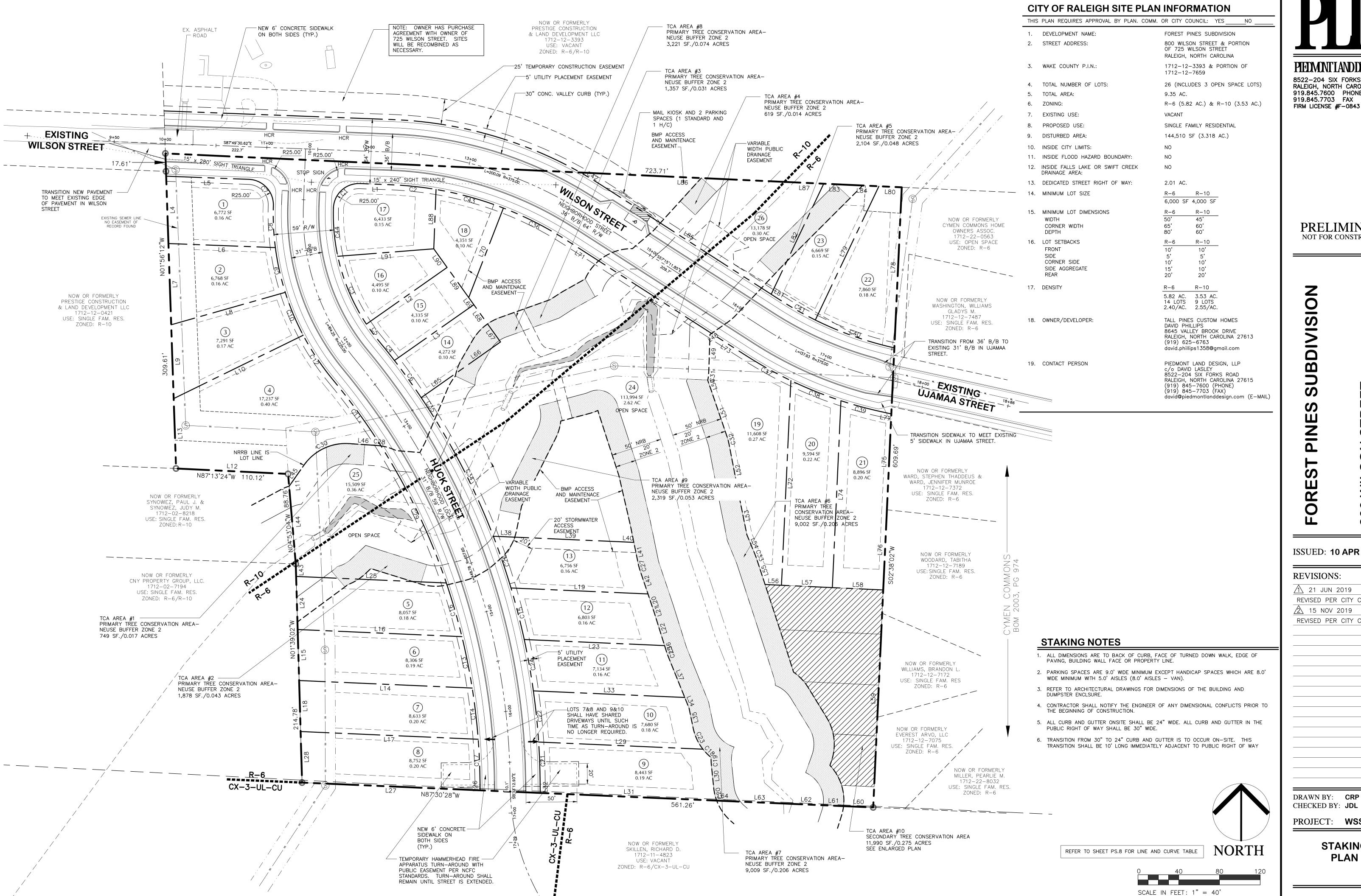
NORTH

SCALE IN FEET: 1" = 40'

PROJECT: WSS

EXISTING CONDITIONS **PLAN**

DWG. NO. PS.2





PIEDMONT LANDDESIGN LIP

8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX FIRM LICENSE #F-0843

PRELIMINARY NOT FOR CONSTRUCTION

ISSUED: **10 APR 2019**

REVISIONS:

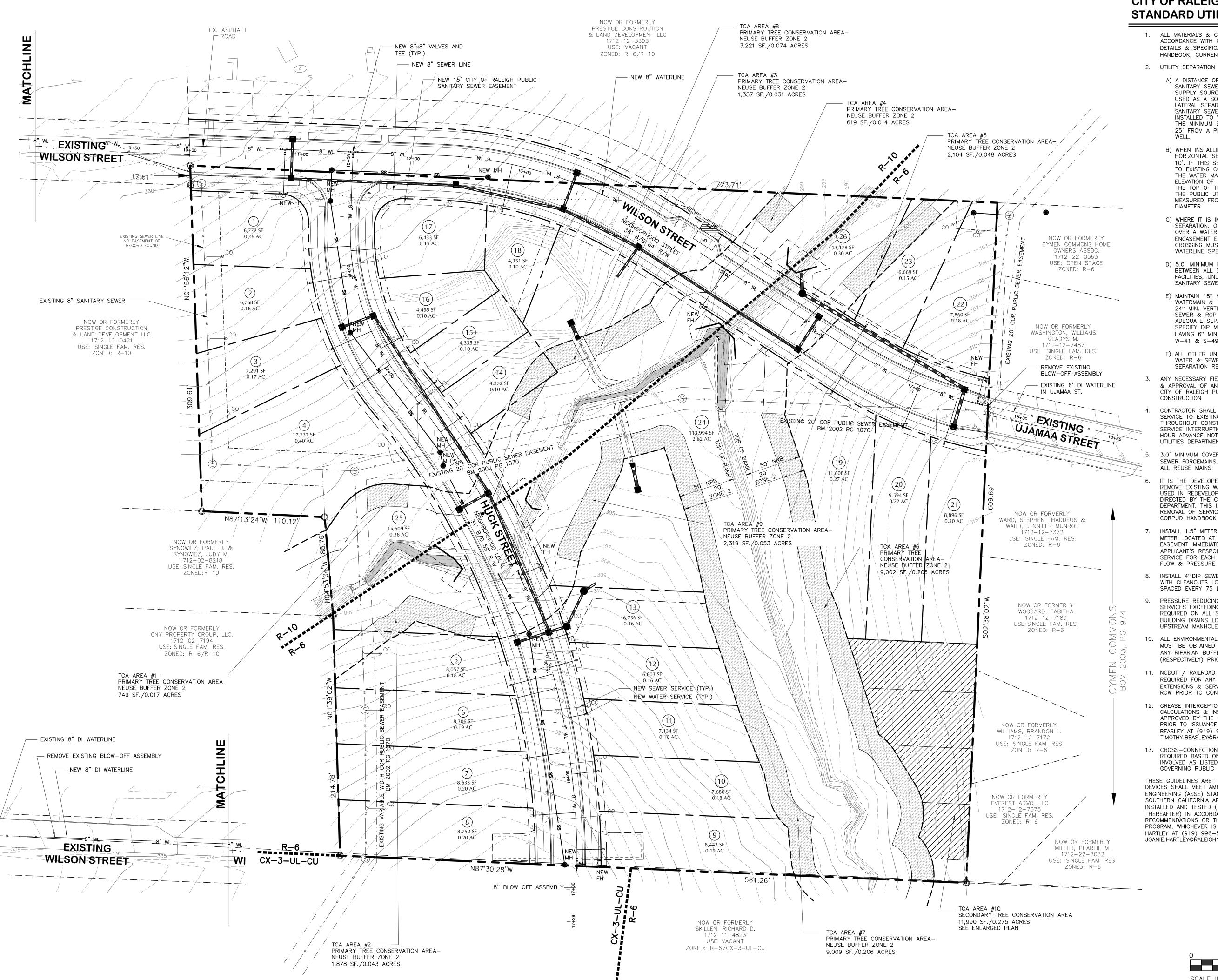
<u>/1</u> 21 JUN 2019 REVISED PER CITY COMMENTS

REVISED PER CITY COMMENTS

DRAWN BY: CRP

PROJECT: WSS

STAKING PLAN



CITY OF RALEIGH STANDARD UTILITY NOTES

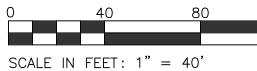
1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)

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 PUBLIC
- B) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BÉTWEEN 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
- 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
- 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
- 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
- 7. INSTALL 1.5" METER & 2" COPPER WATER SERVICE WITH METER 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
- 8. INSTALL 4" DIP SEWER SERVICES @ 1.04% 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 MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLÈY@RALEIGHNC.GOV FOR MORE INFORMATION







PIEDMONT LANDDESIGN LIP 8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX FIRM LICENSE #F-0843

PRELIMINARY NOT FOR CONSTRUCTION

00 AL $\tilde{\omega}$

ISSUED: 10 APR 2019

REVISIONS:

/<u>1\</u> 21 JUN 2019 REVISED PER CITY COMMENTS

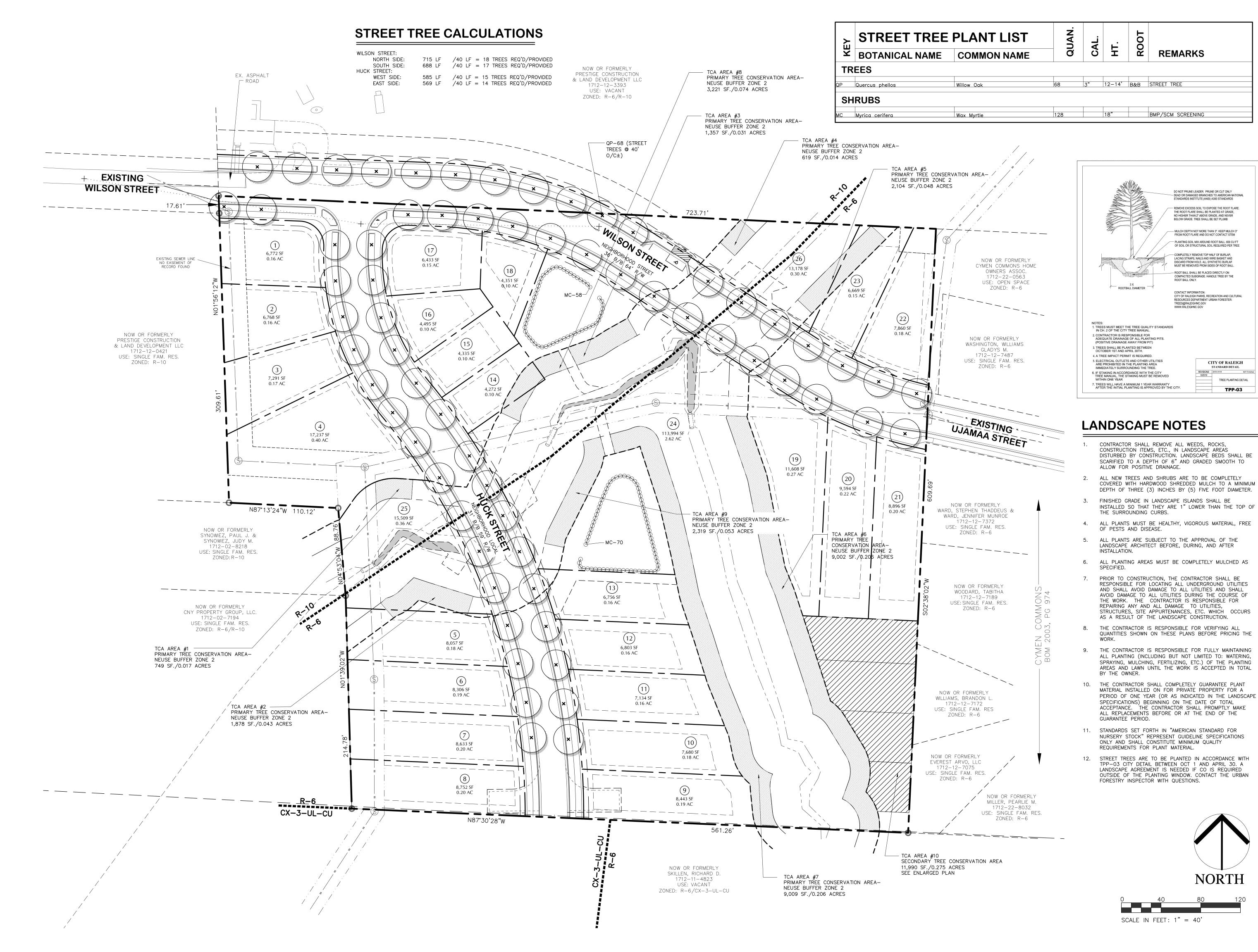
2 15 NOV 2019 REVISED PER CITY COMMENTS

DRAWN BY: CRP CHECKED BY: JDL

PROJECT: WSS

UTILITY **PLAN**

PS.5





PIEDMONT LANDDESIGN LLP 8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX

> **PRELIMINARY** NOT FOR CONSTRUCTION

COMPLETELY REMOVE TOP HALF OF BURLAP,

CITY OF RALEIGH

STANDARD DETAIL

TREE PLANTING DETAIL

TPP-03

STREE

SC H,

800 RAL

ISSUED: **10 APR 2019**

1 21 JUN 2019 REVISED PER CITY COMMENTS <u>∕2</u>\ 15 NOV 2019

REVISED PER CITY COMMENTS

DRAWN BY: CRP CHECKED BY: **JDL**

PROJECT: WSS

NORTH

LANDSCAPE

DWG. NO. **PS.6**