REN +0 5-65-16

Preliminary Subdivision Plan Application



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

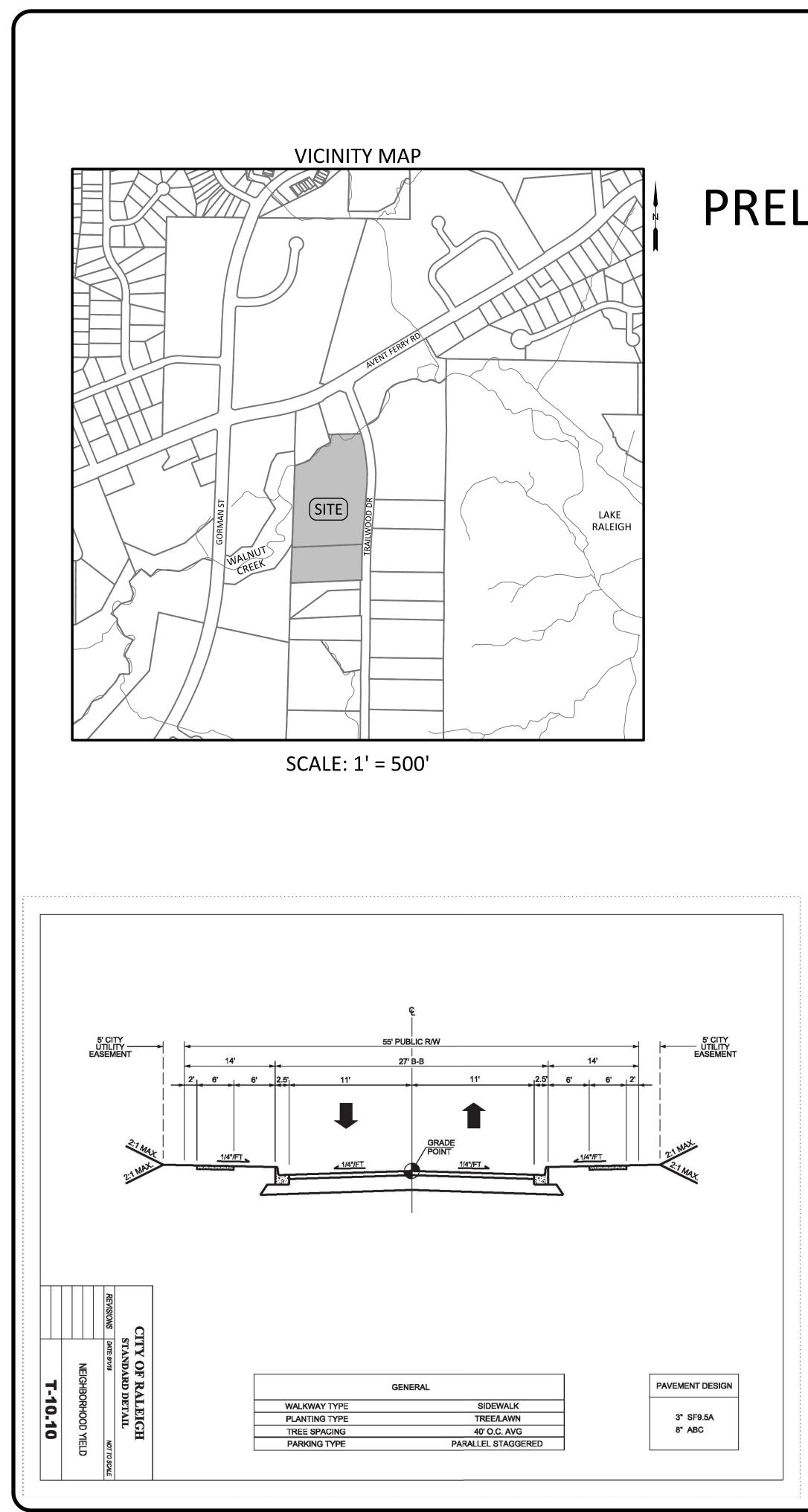
When submitting plans, please check the appropriate review type and include the Plan Checklist document.

Office Use Only: Transaction # 575605 Project Coordinator				Team	Leader Mike WALTE
PRELIMINARY APPROVALS					
Subdivision *	Conventiona	l Subdivision	Compact Develop	ment	Conservative Subdivision
*May	require City Cou	ncil approval if in a f	Metro Park Overlay or H	istoric Over	rlay District
If your project has been thro	ough the Due Dili	gence process, prov	ide the transaction #:		
		GENERAL II	NFORMATION		
Development Name Tra i	lwood Subd	livision			
Proposed Use Residen					
Property Address(es) 1000) and 1100 Ti	railwood Drive,	Raleigh, NC		
Wake County Property Ident	tification Number	(s) for each parcel t	o which these guidelines	will apply:	
PIN Recorded Deed 0793.13-13-4771	PIN Record 0793.13-14-4		PIN Recorded Deed		PIN Recorded Deed
What is your project type?					•
Single family	Townhouse	Subdivision	i in a non-residential zon	ing district	
Other (describe):					
	C	DWNER/DEVELO	PER INFORMATION		
Company Name Mangrum Building, LLC		Owner/Developer Name Mark Mangrum			
Address 412- B East V	Villiams Stre	et, Apex, NC	- .		
Phone 919-868-3114 Email radams@mai		angrumbuilding.com Fax			
	CONS	ULTANT/CONTA	ACT PERSON FOR PL	ANS	
Company Name The Nau Company			Contact Name David Arnold, PE		
Address P.O. Box 810	, Rolesville,	NC 27571			
Phone 919.630.2552 Email darnold@th			thenauco.com	Fax	

DEVELOPMENT TYPE AND SITE DATE TABLE (Applicable to all developments)					
	ZONING	INFORMATION			
Zoning District(s) PD					
If more than one district, provide the acrea	ge of each: 10.83	34 ac			
Overlay District? 🔲 Yes 🔳 No	Overlay District? Yes No				
Inside City Limits? 🔳 Yes 🗌 No					
CUD (Conditional Use District) Case # Z-65	-05				
COA (Certificate of Appropriateness) Case #					
BOA (Board of Adjustment) Case # A-					
	STORMWAT	FER INFORMATION			
Existing Impervious Surface 0	acres/sf	Flood Hazard Area	🔳 Yes	No	
Proposed Impervious Surface TBD	acres/sf	Neuse River Buffer	Yes	No No	
		Wetlands	Yes	🗌 No	
If in a Flood Hazard Area, provide the follow	ving:				
Alluvial Soils Flood	l Study	FEMA Map I	Panel # 3720	079300J	
	NUMBER OF	LOTS AND DENSITY			
Total # of Townhouse Lots: Detached		Attached			
Total # of Single Family Lots 12	Total # of Single Family Lots 12 Total # of All Lots 12				
Overall Unit(s)/Acre Densities Per Zoning Di	stricts 1.11 uni	ts/acre			
Total # of Open Space and/or Common Area	i Lots 1				
SIGNAT	URE BLOCK (Ap	plicable to all developm	nents)		
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 David Arnold, PE 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. $\frac{MMM}{Signature}$					
		<u> </u>			
Signature		Date			

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TRAILWOOD

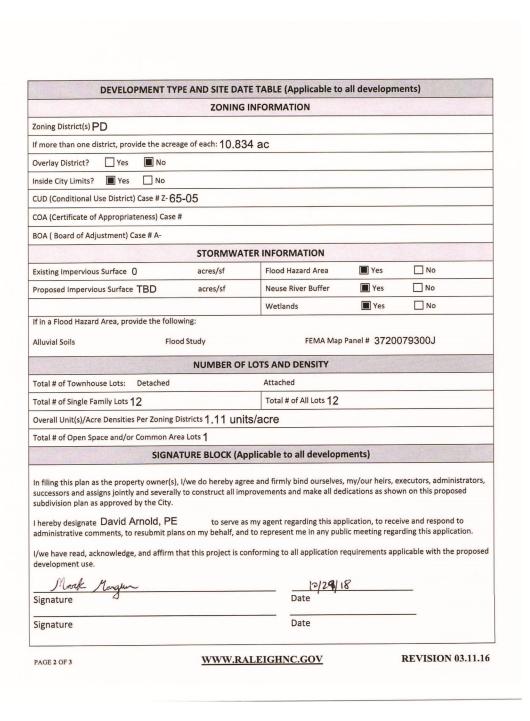
PRELIMINARY SUBDIVISION PLAN REVISION

S-65-16 **TRANSACTION #490139**

RALEIGH, NORTH CAROLINA

OCTOBER 30, 2018

	stomer Service Center 1 Ex. ford Satellite Office 8320 - 13		IC 27601 919-996-2495 efax 919-996-1831 601 919-996-4200
When submitting pl	ans, please check the approp	riate review type and includ	e the Plan Checklist document.
Office Use Only: Transaction #	Project Co	ordinator	Team Leader
	PRELIMIN	NARY APPROVALS	
Subdivision *	Conventional Subdivision	Compact Developm	nent 🗌 Conservative Subdivision
*May requ	uire City Council approval if ir	a Metro Park Overlay or Hi	storic Overlay District
If your project has been through	the Due Diligence process, p	rovide the transaction #:	
	GENERA	LINFORMATION	
Development Name Trailwo	ood Subdivision		
Proposed Use Residential	l.		
Property Address(es) 1000 ar			
Wake County Property Identifica			
PIN Recorded Deed 0793.13-13-4771	PIN Recorded Deed 0793.13-14-4260	PIN Recorded Deed	PIN Recorded Deed
What is your project type? Single family Other (describe):	rownhouse 🗌 Subdivi	sion in a non-residential zon	ing district
	OWNER/DEVE	LOPER INFORMATION	
Company Name Mangrum	Building, LLC	Owner/Developer Na	me Mark Mangrum
Address 412- B East Will	iams Street, Apex, N	NC	
Phone 919-868-3114	Emailradams@	mangrumbuilding.com	Fax
	CONSULTANT/CON	NTACT PERSON FOR PL	ANS
Company Name The Nau C	ompany	Contact Name Davi	d Arnold, PE
Address P.O. Box 810, R	olesville, NC 27571		
Phone 919.630.2552	Emaildorpole	@thenauco.com	Fax



CLIENT/OWNER

MANGRUM BUILDING, LLC ATTN: MR. RONNIE ADAMS 412-A EAST WILLIAMS ST APEX, NC 27502 919-868-3114

PUBLIC IMPROVEMENT QUANTITIES			
PHASE NUMBER	1		
LIVEABLE LOTS	12		
OPEN SPACE LOTS	1		
PUBLIC STREET (LF)	432'		
PUBLIC SIDEWALK (LF)	842'		
PUBLIC WATER (LF)	1847'		
PUBLIC SEWER (LF)	1472'		

PROJECT NOTES

- 1. ALL OFF-SITE EASEMENTS SHALL BE ACQUIRED BY THE DEVELOPER. THESE OFF-SITE EASEMENTS SHALL BE RECORDED BY MAP AND BY DEED OF EASEMENT PRIOR TO CONSTRUCTION APPROVAL. THE EASEMENTS SHALL BE DEDICATED TO THE CITY OF RALEIGH AND ENTITLED CITY OF RALEIGH SANITARY SEWER EASEMENT.
- 2. ALL PERMANENT EASEMENTS SHALL BE GRADED AND SMOOTH TO ALLOW SUFFICIENT ACCESS AND USE FOR MOWING EQUIPMENT AND MAINTENANCE VEHICLES PRIOR TO ACCEPTANCE BY THE CITY;
- TYPICALLY A MINIMUM OF 3:1 SLOPE WILL BE REQUIRED. 3. DEVELOPER/OWNER IS RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF THE GREENWAY TRAIL CONNECTION, HOA TO TAKE
- OVER MAINTENANCE 4. CITY TRAIL SPECIFICATIONS SHALL APPLY TO CONNECTION TRAIL CONSTRUCTION.
- 5. ANY IMPACTS TO THE GREENWAY EASEMENT DURING CONSTUCTION OF THE CONNECTION SHOULD BE FIRST REVIEWED AND APPROVED BY CITY OF RALEIGH GREENWAY STAFF - LISA POTTS (919) 996-4785, lisa.potts@raleighnc.gov AND TJ MCCOURT (919) 996-6079, thomas.mccourt@raleighnc.gov
- 6. EXISTING BIKE PATH (REPAIR AS NECESSARY). ANY POTENTIAL DAMAGE AND/OR REPAIRS TO THE TRAIL SHOULD BE FIRST REVIEWED AND APPROVED BY CITY STAFF. 7. NO CLEARING OR GRADING IS PERMITTED IN THE GREENWAY
- EASEMENT BEYOND THAT WHICH IS NECESSARY FOR TRAIL CONSTRUCTION 8. IMPROVEMENTS TO TRAILWOOD DRIVE WOULD BE REPAIRED AT THE
- 8TH OCCUPANCY OR 75% OF DEVELOPMENT UNLESS NCDOT REQUIRES DIFFERENT SCHEDULING.

SHEET INDEX

SHEET NO.	SHEET NAME	MOST CURRENT REVISION DATE
C1.0	EXISTING CONDITIONS PLAN	10/30/2018
C2.0	SUBDIVISION PLAN	10/30/2018
C3.0	GRADING AND DRAINAGE PLAN	10/30/2018
C4.0	UTILITY PLAN	10/30/2018
LA1.0	LANDSCAPE AND PLANTING PLAN	10/30/2018
TC1.0	TREE CONSERVATION PLAN	10/30/2018

COMMITTED ELEMENTS

- SIDEWALKS SHALL BE PROVIDED ALONG BOTH SIDES OF ALL PUBLIC STREETS
- 2. A FOOTPATH OR SIMILAR FACILITY SHALL BE PROVIDED FROM THE PUBLIC RESIDENTIAL STREET R/W TO THE WALNUT CREEK GREENWAY
- TRAIL. THE FOOTPATH SHALL BE ACCESSIBLE TO THE PUBLIC. 3. ALL THE BUILDINGS SHALL BE LIMITED TO NO MORE THAN TWO FLOORS AND FOURTY FEET IN HEIGHT - ROOF AREAS/DECKS, BASEMENTS AND CRAWL SPACES SHALL NOT BE COUNTED TOWARD THIS MEASUREMENT.
- NO VINYL SIDING SHALL BE ALLOWED HVAC EQUIPMENT. UTILITY METERS. TRANSFORMERS. GENERATORS AND SIMILAR EQUIPMENT SHALL BE SCREENED FROM VIEW WITH PLANT MATERIAL OR ARCHITECTURAL SCREEN - MATERIALS SHALL BE COMPATIBLE TO PRINCIPLE BUILDING. THIS TYPE OF EQUIPMENT SHALL NOT BE LOCATED BETWEEN THE FRONT WALL OF ANY BUILDING AND A PUBLIC OR PRIVATE STREET
- 6. NO PRESSURE-TREATED SOUTHERN YELLOW PINE RAILINGS OR HAND RAILS SHALL BE PERMITTED ON ANY BUILDING. 7. NO "WALL PACK" TYPE LIGHT FIXTURE SHALL BE PERMITTED ON ANY
- BUILDING OR STRUCTURE. THE STORAGE PLACE FOR TRASH RECEPTACLES, ROLL-OUT CARTS OR CANS SHALL BE SCREENED FROM THE PUBLIC R/W OR ANY OFF-SITE
- 9. RESIDENTIAL DENSITY SHALL BE LIMITED TO NO MORE THAN TWELVE SINGLE FAMILY DETATCHED DWELLING UNITS WITH A DEFINITION THAT CONSTITUTES A FAMILY TO BE NO MORE THAN THREE UNRELATED INDIVIDUALS.
- 10. LOTS SHALL BE A MINIMUM OF 5,000 SF IN AREA 11. PRIOR TO CONSTRUCTION, HOA DOCUMENTS SHALL BE RECORED THAT REQUIRE OWNER OCCUPANCY WITH A "SABBATICAL" PROVISION THAT SHALL ALLOW RENTAL FOR NO MORE THAN 12 CONSECUTIVE MONTHS. A DWELLING IN THE DEVELOPMENT MAY REMAIN VACANT INDEFINITELY SO LONG AS IT IS NOT RENTED.
- 12. PRIOR TO ANY CONSTRUCTION AND/OR LOT RECORDATIO WHICHEVER OCCURS FIRST, ALL REMAINING LAND OUTSIDE OF SINGLE FAMILY LOTS AND PUBLIC R/W DEDICATION SHALL BE DESIGNATED BY DEED AS COMMON OPEN SPACE FOR THE USE OF THE HOA AND/OR OTHER ENTITY (I.E.-CONSERVATION EASEMENT) AS MAY BE DETERMINED BY THE OWNER.
- 13. NINE OF THE TWELVE DWELLING UNITS SHALL BE A MINIMUM 1,800 SF IN AREA (GROSS). 14. PRIOR TO ANY DEVELOPMENT, RECORDED EASEMENTS AND
- DEDICATIONS REQUESTED BY THE CITY OF RALEIGH SHALL BE RECORDED AT THE WAKE COUNTY REGISTER OF DEEDS. 15. NO MORE THAN ONE (1) VEHICULAR ACCESS POINT SHALL B
- ALLOWED FROM TRAILWOOD DRIVE: THE ROAD SHALL BE DESIGNED TO MINIMIZE GRADING IMPACT FOR THE ROAD AND UTILITIES. 16. NO PUBLIC STREET (EXCEPT TO ALLOW FOR FUTURE IMPROVEMENTS TO TRAILWOOD DRIVE) SHALL BE BUILT WITHIN THE FLOODPLAIN OF WALNUT CREEK.
- 17. A 10'x20' TRANSIT EASEMENT SHALL BE PROVIDED TO THE CITY OF RALEIGH ALONG TRAILWOOD DRIVE PRIOR TO ANY LOT RECORDATION OR PERMIT ISSUANCE. WHICHEVER SHALL OCCUR FIRST.
- 18. A 50' AVERAGE NATURAL PROTECTIVE YARD WITH RANGE OF 25' MINIMUM, TO 100' MAXIMUM SHALL BE PROVIDED ALONG TRAILWOOD DRIVE.
- 19. BUILDING SETBACKS; EACH HOME WILL BE SITED WITH REGARDS TO ENVIRONMENTAL CRITERIA (TREES AND SLOPES) AND HOW IT WOULD RELATE TO ITS NEIGHBORS. IN NO EVENT SHALL THE SETBACKS BE LESS THAN THE FOLLOWING: (A) NO SINGLE FAMILY HOME SHALL BE LOCATED CLOSER THAN 30' FROM THE SOUTHERN BOUNDARY OF THE PROPERTY ADJOINING WAKE COUNTY PIN 0793134465 (B) FRONT SETBACKS SHALL BE 10' MINIMUM (C) REAR SETBACKS SHALL BE 20' MINIMUM: EXCEPT AS NOTED IN ITEM (A) ABOVE. (D) SIDE SETBACKS SHALL BE O' MINIMUM, WITH A 10' AGGREGATE YARD.
- 20. SITE LIGHTING, EXCEPT PUBLIC R/W STREET LIGHTING, SHALL NOT EXCEED 12' IN HEIGHT. ALL EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURE, AND SHALL BE AIMED AND/OR ORIENTED TO MINIMIZE
- GLARE OBSERVED FROM OFF-SITE PROPERTIES AND PUBLIC R/W. 21. UPON ACCEPTANCE BY AND APPROVAL BY THE CITY OF RALEIGH AND/OR NCDOT, STREET YARD REQUIREMENTS MAY BE PROVIDED WITHIN THE PUBLIC R/W.
- 22. MASTER PLAN 03-05, CR 10951, TRAILWOOD MASTER PLAN

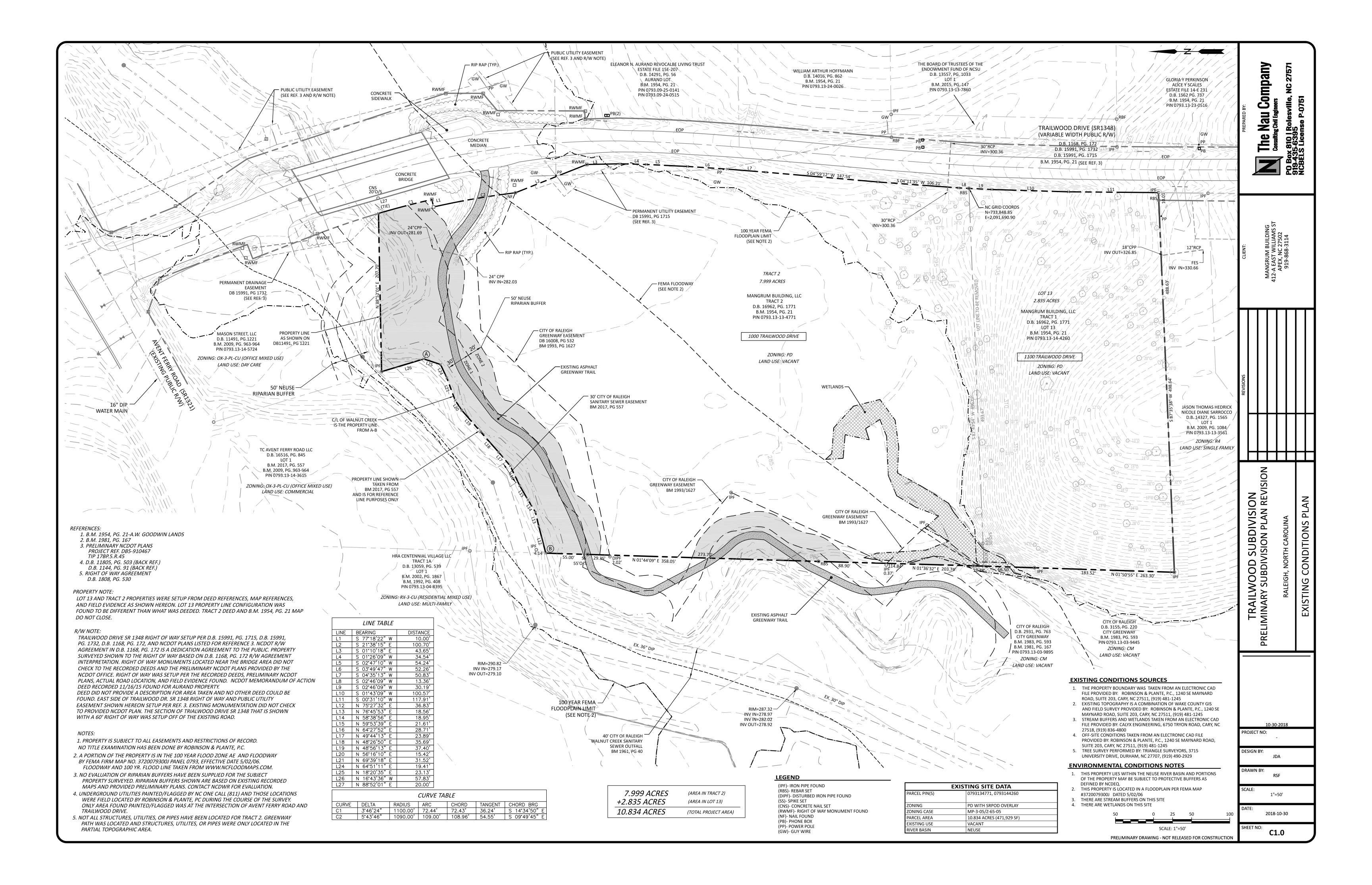
SPECIAL CONDITIONS OF APPROVAL

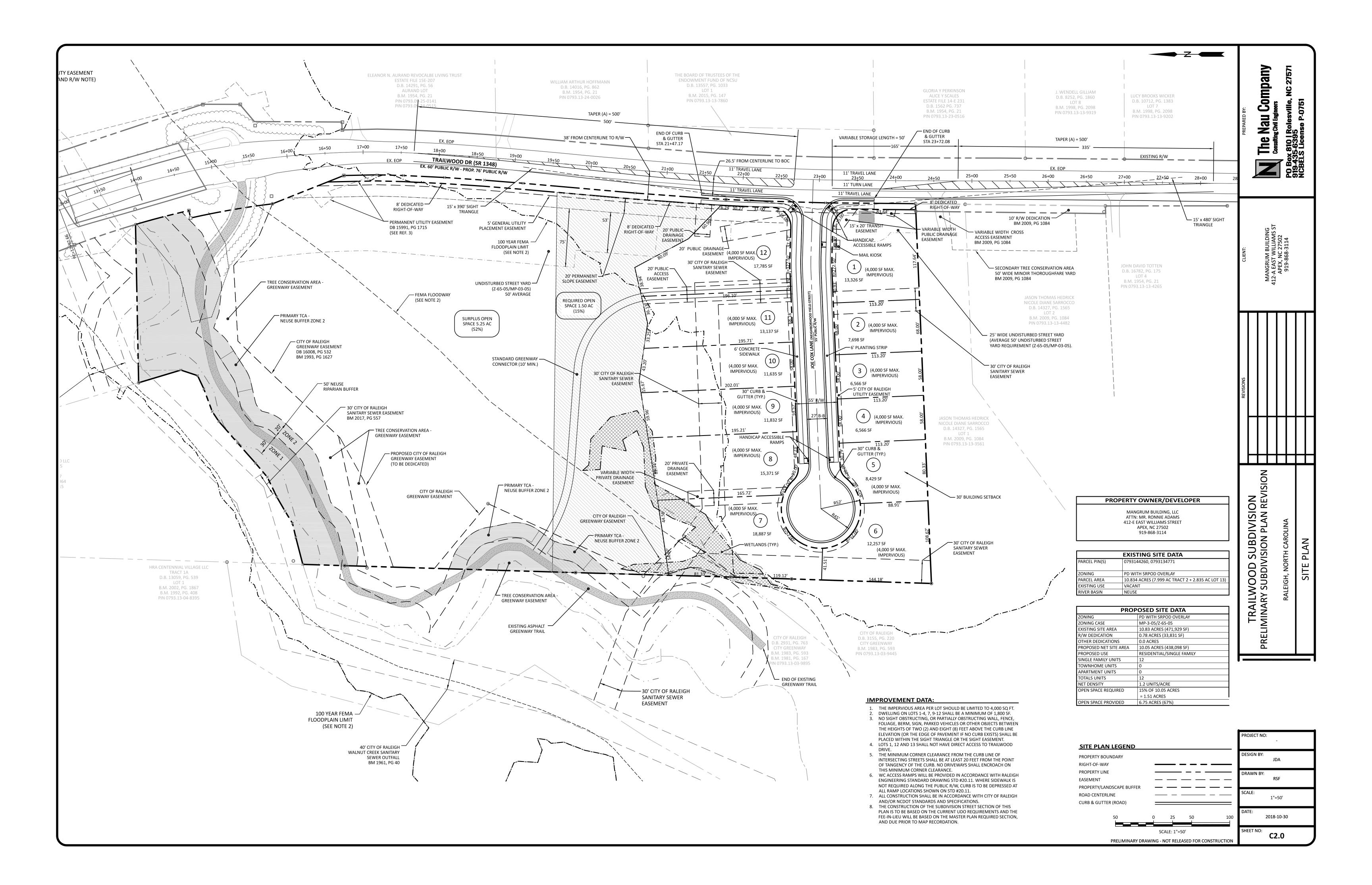
- 1. ALL SIZES, MATERIALS, SLOPES, GEOMETRY, LOCATIONS, EVALUATIONS, EXTENSIONS AND DEPTHS FOR ALL EXISTING AND PROPOSED STREETS AND UTILITIES (WATERLINES, SANITARY SEWER LINES AND STORM DRAINAGE CONVEYANCE SYSTEMS) SHALL BE DESIGNED TO THE SPECIFICATIONS SET FORTH IN THE DESIGN CRITERIA AND STANDARDS OF THE PUBLIC WORKS DEPARTMENT AND BE SUBJECT TO REVIEW AND APPROVAL BY THE PUBLIC WORKS DEPARTMENT AND BE SUBJECT TO REVIEW AND APPROVAL BY THE PUBLIC WORKS DEPARTMENT AT CONSTRUCTION DRAWING SUBMITTAL.
- 2. THE DEVELOPER IS RESPONSIBLE FOR FABRICATION AND INSTALLATION OF ALL REQUIRED SIGNS AND PAVEMENT MARKINGS WITHIN THE PUBLIC R/W. THE DEVELOPER SHALL SUBMIT A SIGNING AND MARKINGS PLAN TO THE CITY AT CONSTRUCTION PLAN STAGE FOR REVIEW AND APPROVAL. ALL SIGNS AND PAVEMENT MARKINGS, SHOWN ON THE CONSTRUCTION PLANS, MUST BE IN PLACE PRIOR TO
- THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY AND/OR STREET ACCEPTANCE, AS DETERMINED BY THE CITY. 3. WATER AND SEWER PERMITS ARE REQUIRED FOR THIS PROJECT. 4. NCDOT DRIVEWAY PERMIT IS REQUIRED. THE CITY OF RALEIGH WILL ENDORSE THE PERMIT REQUEST AFTER PRELIMINARY APPROVAL AND PRIOR TO SUBMITTAL TO NCDOT.
- 5. RIGHT-OF-WAY AND EASEMENT DEDICATION SHALL BE RECORDED PRIOR TO ANY BUILDING PERMITS. 6. PROVIDE BUS SHELTER WITH CONCRETE PAD ON TRAILWOOD DRIVE. DESIGN SPECIFICATIONS AND EXACT LOCATION TO BE REVIEWED AND
- APPROVED BY DATA PRIOR TO CONSTRUCTION. 7. A FEE-IN-LIEU OF CONSTRUCTION IS REQUIRED FOR 1/2 OF THE 53' BACK TO BACK CURB AND GUTTER SECTION AND 1/2 OF 5' SIDEWALK ALONG THE PROPERTY FRONTAGE OF TRAILWOOD DRIVE. THE FEE-IN-LIEU WILL NOT BE REQUIRED WHERE THE ULTIMATE SECTION HAS BEEN CONSTRUCTED WITH THIS PLAN. A SURETY FOR INCOMPLETE
- PUBLIC IMPROVEMENTS IS TO BE PAID AND AGREEMENT APPROVED PRIOR TO MAP RECORDATION 8. ALL STREETS ON THESE PLANS SHALL HAVE THE FULL WIDTH OF R/W CLEARED AND GRADED WITH 50' OF ALL INTERSECTIONS. THE FULL WIDTH OF THE R/W SHALL BE CLEARED AND GRADED ALONG ALL MAJOR, MINOR AND SENSITIVE AREA THOROUGHFARES.

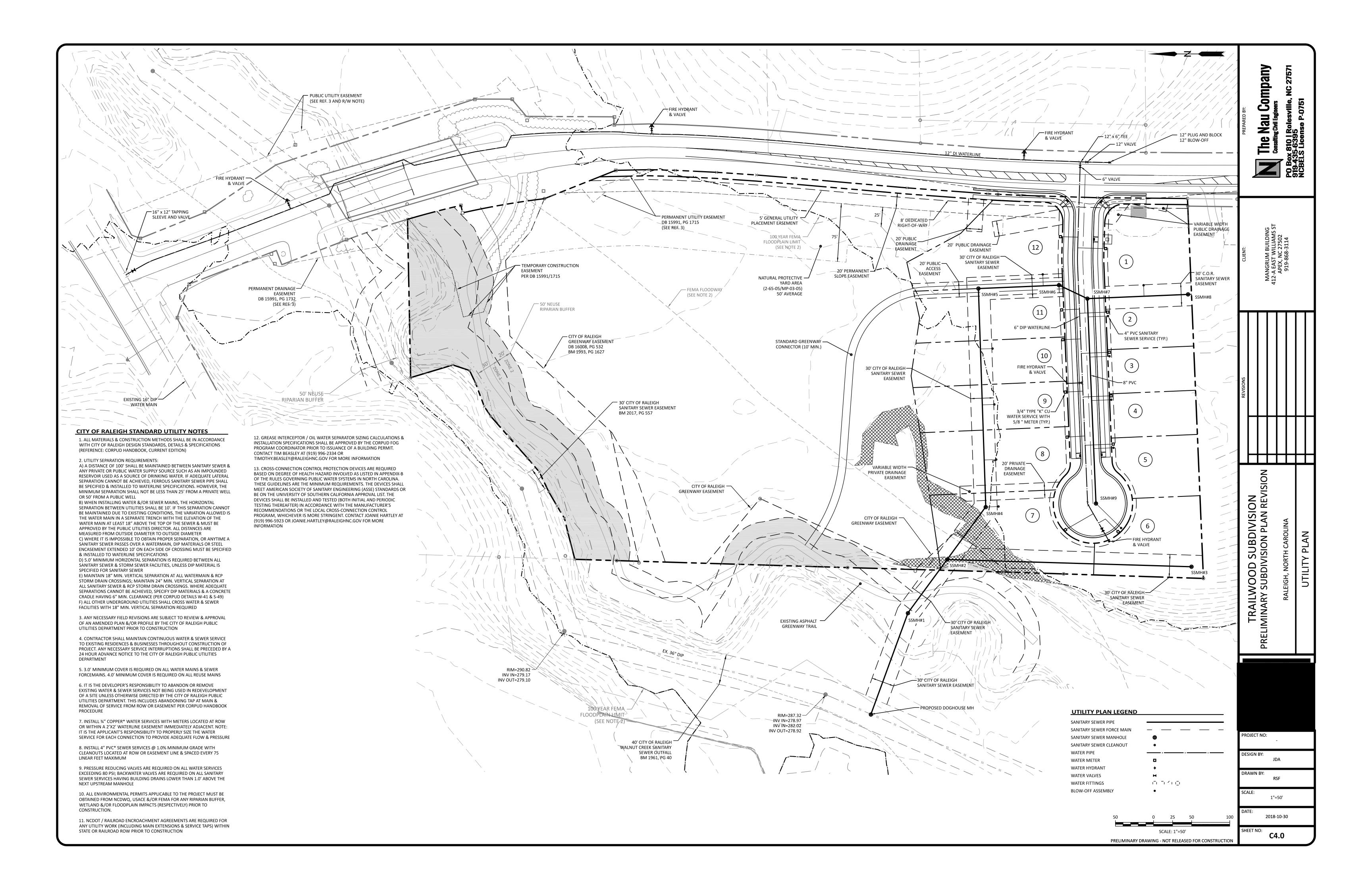
The Nau Company **Consulting Civil Engineers**

PO Box 810 | Rolesville, NC 27571 919-435-6395 **NCBELS License P-0751**

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

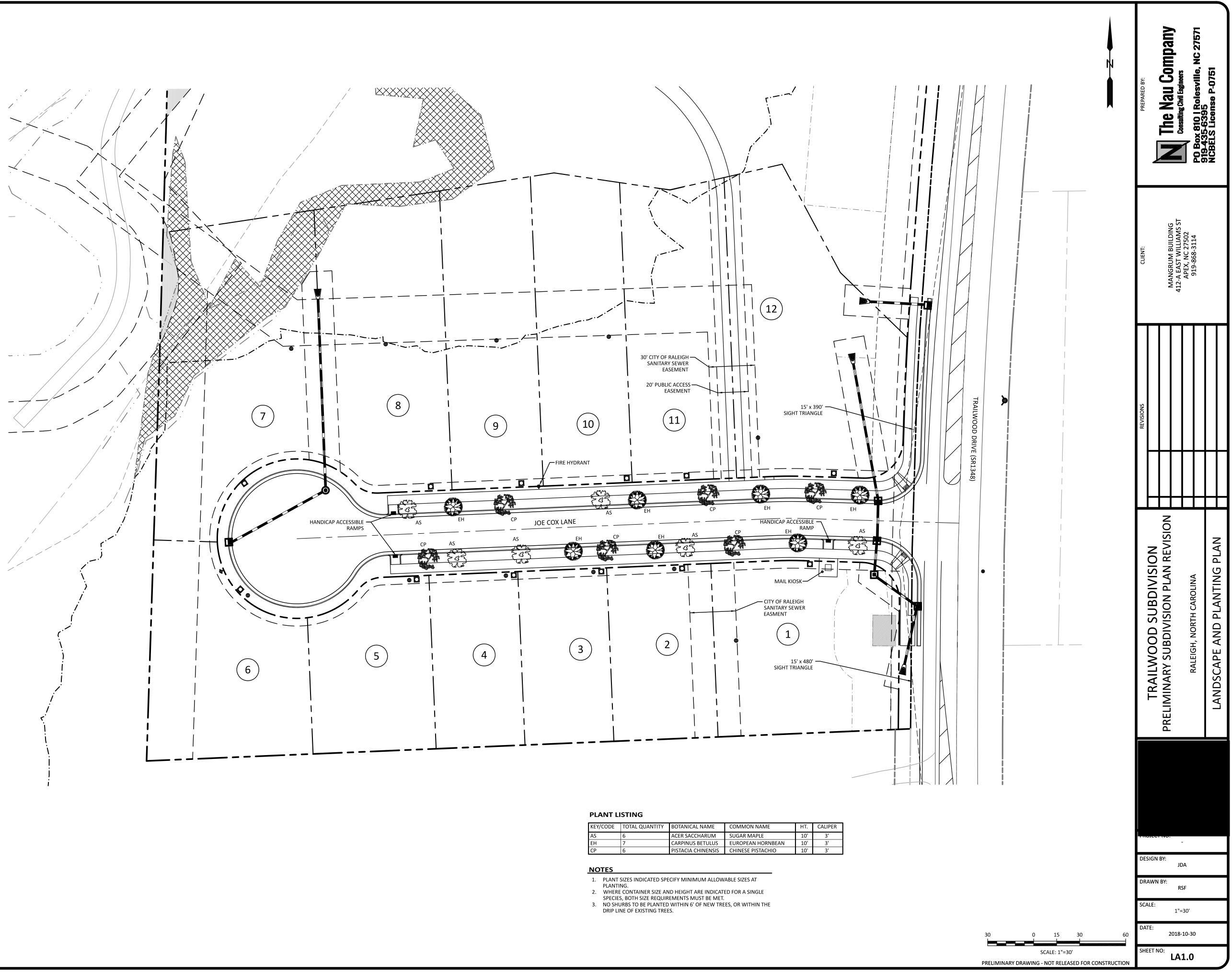






GENERAL NOTES

- 1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS BEEN GIVEN.
- 2. ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTES.
- 3. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS. 4. BEFORE STARTING ANY CONSTRUCTION OF IMPROVEMENTS WITHIN ANY CITY OR NCDOT STREET OR HIGHWAY R/W THE FOLLOWING PROCEDURES SHOULD BE UNDERTAKEN: CITY R/W: CONTACT LOCAL AUTHORITIES' TRAFFIC ENGINEERING DEPARTMENT FOR INFORMATION ON DETOURS, OPEN CUTTING OF STREETS OR FOR ANY CONSTRUCTION WITHIN R/W. NCDOT R/W; CONTACT PROJECT ENGINEERS AND OBTAIN ALL PERMITS AND ENCROACHMENTS (KEEP COPIES ON CONSTRUCTION SITE, ALSO CONTACT NCDOT DISTRICT OFFICE 24 HOURS IN ADVANCE BEFORE PLACING CURB AND GUTTER).
- 5. BUILDINGS SHALL BE SET BACK AT LEAST 10' FROM THE EDGE OF ANY PRESERVED TREE COVERAGE.
- 6. NO PLANTING OF SHRUBS WITHIN R/W WITHOUT A LICENSE AGREEMENT WITH THE CITY OF RALEIGH.
- 7. EXISTING TREE SURVEY PERFORMED BY TRIANGLE SURVEYORS, INC. 8. IF EXISTING TREES CAN BE PROTECTED DURING CONSTRUCTION AND SATISFY ALL OR PART OF THE STREET TREE REQUIREMENT THEN PROPOSED STREET TREES CAN BE DEDUCTED ACCORDINGLY.
- 9. LANDSCAPING / C.O. STANDARDS NOTES: ALL LANDSCAPING MUST BE IN PLACE PRIOR TO REQUEST FOR A CERTIFICATE OF COMPLIANCE.
 PROTECTION OF EXISTING VEGETATION: AT START OF GRADING
- INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, ACLEAN SHARP VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA.
- 11. TREE PROTECTION NOTE: TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION, LAND DISTURBANCE OR ISSUANCE OF A GRADING PERMIT. ROOT PROTECTION ZONE: EQUALS ONE FOOT OF RADIUS FOR EVERY INCH OF DIAMETER OF EXISTING TREES, OR SIX FOOT RADIUS,
- WHICHEVER IS GREATER. NO DISTURBANCE ALLOWED WITHIN THIS AREA. AREA MUST BE PROTECTED WITH BOTH TREE PROTECTION FENCING AND WARNING SIGNS.



KEY/CODE	TOTAL QUANTITY	BOTANICAL NAME	COMMON NAME
AS	6	ACER SACCHARUM	SUGAR MAPLE
EH	7	CARPINUS BETULUS	EUROPEAN HORNBEAN
СР	6	PISTACIA CHINENSIS	CHINESE PISTACHIO