PROGRESS PLOT DATE: 12/05/2023

RESERVE @ MITCHELL MILL

PRELIMINARY SUBDIVISION PLAT V1-PSP-23-03

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

Please revise the plan set to include the correct address.

SITE INFORMATION:

LOCATION:	5019 MITCHELL MILL ROAD
COUNTY:	~~WAKE COUNTY~~
PARENT PIN:	1757571035
DB/PG:	DB 8659, PG 954
ZONING:	RM_CZ & NC-CZ
TOTAL ACREAGE:	6,140,471 SF (141.23 AC)
NC-CZ ZONE ACREAGE	55 AC (EST)
COMMERCIAL TRACT (15%):	8.18 AC
RESIDENTIAL ZONE RM-CZ:	86 AC (EST)
MAXIMUM UNITS PERMITTED:	395 UNITS (134 TOWNHOMES)
ZONING AND ANNEXATION:	MA 22-06 &ANX22-03

MINIMUM SINGLE FAMILY HOMES SETBACKS RH-CZ CLUSTER OPTION

FRONT YARD:	20'
SIDE YARD:	10'
REAR YARD:	20'
CORNER YARD:	12'
SITE PERIMETER BUFFER TYPE 2:	15'
THOROFARE BUFFER (JONESVILLE & MITCHELL MILL):	30'

MIMIMUM TOWNHOME SETBACKS NC-CZ (EMPLOYMENT OF TA 23-06)

FRONT 20 YARD:	20'
SIDE YARD (STREET FRONTAGE):	10'
REAR YARD:	20'
BUILDING SEPARATION:	30'
PARKING REQUIREMENT:	2.25 CARS PER UNIT
SHOWN UNITS:	110
REQUIRED PARKING:	248
OFF-STREET PARKING:	265

RIGHT OF WAY & OTHER AREAS:

NATURAL WETLANDS:	1,215,431 SF (27.90 AC)

LOT ACREAGE:

NC ZONING DISTRICT

	DSF:	TOWNHOME:
TOTAL NUMBER PROPOSED LOTS:	79 LOTS	110 LOTS
MINIMUM PROPOSED LOT SIZE:	5000 SF	1800 SF
MAXIMUM PROPOSED LOT SIZE:	8183 SF	1800 SF

RM ZONE

	DSF:
TOTAL NUMBER PROPOSED LOTS:	190 LOTS
MINIMUM PROPOSED LOT SIZE:	5000 SF
MAXIMUM PROPOSED LOT SIZE:	10667 SF

OPEN SPACE BREAKDOWN:
SEE OPEN SPACE CHART PAGE C-1.2

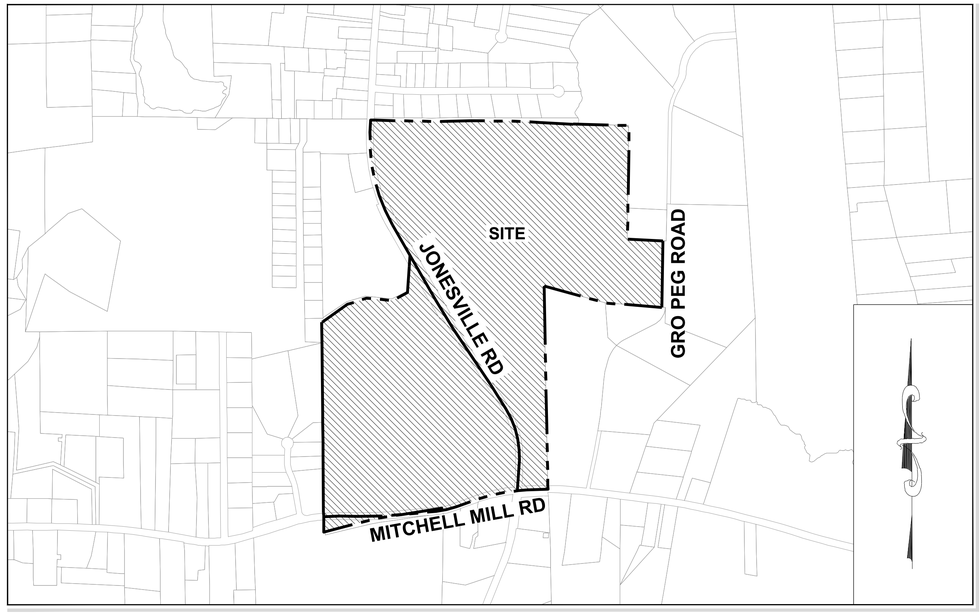
IMPERVIOUS AREAS:

NC ZONING DISTRICT:

ROADWAYS / PARKING:	309,188 SF (7.10 AC)
SIDEWALKS:	94,148 SF (2.16 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	403,336 SF (8.26 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	6.57%

RM ZONE

ROADWAYS / PARKING:	301,219 SF (6.92 AC)
SIDEWALKS:	115,977 SF (2.66 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	417,196 SF (9.58 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	6.79%



VICINITY MAP

1" = 600'

FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022

OWNER:

HOPPER COMMUNITIES
CONTACT: BILL HARRELL
BHARRELL@HOPPERCOMMUNITIES.COM

SURVEYOR:

THE TIMMONS GROUP
5410 TRINITY ROAD, Suite 102 | RALEIGH, NC 27607
TEL 919.866.4951

ENVIRONMENTAL CONSULTANT:

SOIL & ENVIRONMENTAL CONSULTANTS
8412 FALLS OF NEUSE RD. SUITE 104
RALEIGH, NC 27615

CIVIL ENGINEERING:

STRONGROCK ENGINEERING GROUP
PO BOX 99552
RALEIGH, NC 27624
INFORMATION@STRONGROCKGROUP.COM

Please update the plan set with the new site data table provided in the comment response letter.

811 Know what's below. Call before you dig.

Per LDO Sec 3.4.3.C, a maximum of 75% of the gross acreage of the NC district can be dedicated to residential uses.

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04	C-2.0	CIVIL NOTES
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07	C-3.2	PARTIAL TREE INVENTORY MAP I
08	C-3.3	PARTIAL TREE INVENTORY MAP II
09	C-3.4	PARTIAL TREE INVENTORY MAP III
10	C-3.5	PARTIAL TREE INVENTORY MAP IV
11	C-3.6	PARTIAL TREE INVENTORY MAP V
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55	C-8.7	PARTIAL LANDSCAPE PLAN VII
56	C-8.8	PARTIAL LANDSCAPE PLAN VIII
57	C-8.9	PARTIAL LANDSCAPE PLAN IX

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02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
COVER SHEET

DRAWING SHEET
C-1.0

01 OF 57

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Revision Date: January 10, 2023 **Attachment 2**

Exhibit D
Mixed-Use Neighborhood Center Conditional Zoning District (NC-CZ) and Residential Medium Density Conditional Zoning District (RM-CZ) Zoning Conditions

Conditions Applicable to the entire property:

1. The subject property shall be developed generally in accordance with the sketch plan attached hereto as Exhibit 1 and incorporated herein as if fully set out. The approximately 55± acre portion of the subject property located west of Jonesville Road and further described as Parcel 1 on the attached Exhibit 2 attached hereto shall be zoned NC-CZ and the approximately 86± acre portion of the property located east of Jonesville Road and further described as Parcel 2 on Exhibit 2 attached hereto shall be zoned RM-CZ. The improvements described herein may be developed in phases in accordance with a phasing plan approved by the Town of Rolesville.
2. The total number of dwellings on the subject property shall not exceed 395 dwelling units and no more than 134 of these dwelling units shall be permitted to be Dwellings, Single Family, Attached (Townhouse.)
3. Mixture of Uses: At least 50,000 square feet of non-residential building area shall be permitted (issuance of a building permit) prior to permitting (issuance of a building permit) more than 197 dwelling units.
4. Affordable Housing:
   a. Prior to the issuance of the first building permit for a dwelling unit, the property owner shall donate Thirty Thousand Dollars and No Cents ($30,000.00) to Homes for Heroes.
   b. Prior to the issuance of the 200th building permit, the property owner shall donate one (1) Dwelling, Single Family, Attached (townhome) to Passage Homes, CASA, Habitat for Humanity of Wake County or other similar organization providing homes to low-income people.
5. Pollinator Plantings: At least twenty percent (20%) of the landscaping planted in common areas on the subject property shall utilize plant materials that are listed as Native Pollinator Plants on North Carolina Wildlife Federation ("NCWF") or other resources for native plants recommended by the NCWF on their website, currently found at https://ncwf.org/habitat/native-polinator-plants/ Where evergreen plantings or street trees are required by the Rolesville Land Development Ordinance as the same may be amended from time to time, pollinator plantings shall not be required. Nothing herein shall be construed to limit the plant materials permitted on individual residential lots. Compliance with this condition shall be demonstrated at construction infrastructure drawings for each phase.
6. Recreational Amenities: The following recreational amenities shall be provided generally as shown on the attached Exhibit 1 as a part of the development of the subject property and dedicated to the Homeowner's Association except for those areas offered to and accepted by the Town of Rolesville:
   a. A swimming pool and cabana, including changing rooms and restrooms shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
   b. At least one fenced playground shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
   c. At least one fenced dog park shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
   d. Public greenway on a greenway easement dedicated to the Town of Rolesville with paved trails at least ten feet wide (10') shall be constructed generally as shown on the attached Exhibit 1;
   e. A greenway trail head with at least four (4) parking spaces shall be constructed generally as shown on Exhibit 1 and offered to the Town of Rolesville for use as a greenway trail head prior to the issuance of the 200th building permit for a dwelling unit. The Town of Rolesville may accept or reject the offer of dedication in its sole discretion prior to the issuance of the 250th building permit. If the Town of Rolesville accepts dedication of this trailhead, the area dedicated to the Town of Rolesville shall be credited to this project as active open space. If the Town of Rolesville does not accept or reject the dedication of this area in writing prior to issuance of the 250th building permit, it shall be dedicated to the homeowner's association.
   f. At least one (1) community garden shall be provided prior to issuance of the 336th building permit for a dwelling unit; and
   g. At least one (1) acre of undeveloped land in the area located at the northeast quadrant of the intersection of Jonesville Road and Mitchell Mill Road shall be offered to the Town of Rolesville generally as shown on the attached Exhibit 1 for recreational uses prior to the issuance of the 150th building permit for a dwelling unit. The Town of Rolesville may accept or reject the offer of dedication in its sole discretion prior to the issuance of the 200th building permit. If the Town of Rolesville accepts dedication of this property, the area dedicated to the Town of Rolesville shall be credited to this project as active open space. If the Town of Rolesville does not accept or reject the dedication of this area in writing prior to the issuance of the 200th building permit, it shall be dedicated to the homeowner's association.
7. Additional Driveway Access and Crosswalk to Commercial Area: Prior to the issuance of the first building permit, the property owner shall apply to NCDOT to allow the installation of an additional driveway access and cross-walk across Jonesville Road from the property zoned RM-CZ to the commercial area located in the northwest quadrant of the intersection of Mitchell Mill and Jonesville Road, both as generally shown as "Potential Additional Driveway and Cross Walk Connection Per Condition #7 of Zoning Conditions" on Exhibit 1. The application to NCDOT shall include a plan for the driveway connection and crosswalk drawn by an engineer and an update to the existing traffic impact analysis prepared by a traffic engineer. If NCDOT approves such a crosswalk and/or driveway access, the property owner shall install them in accordance with the requirements of NCDOT.
8. Transportation Improvements: To address transportation impacts reasonably expected to be generated by the development, the following road improvements shall be installed in accordance with future phasing plans approved by the Town:
   a. Jonesville Road:
      i. Widen Jonesville Road along the site frontage between Site Access 1 and Mitchell Mill to the roadways ultimate cross section per Rolesville Community Transportation Plan, 2 lanes with two-way left turn lanes.
   b. Mitchell Mill Road:
      i. Widen one-half section along the site frontage to this roadway's ultimate cross-section per the Rolesville Community Transportation Plan, 4-lane median divided.
   c. Mitchell Mill Road and Jonesville Road/Peebles Road:
      i. Provide a southbound (Jonesville Road) left turn lane with at least 100 feet of storage and appropriate decel and taper; and
      ii. Construct an eastbound (Mitchell Mill Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.
   d. Jonesville Road and Site Access 1:
      i. Construct the westbound approach (Site Access 1) with one ingress lane and one egress lane;
      ii. Provide stop-control for westbound approach (Site Access 1); and
      iii. Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.
   e. Jonesville Road and Site Access 2:
      i. Construct the westbound approach (Site Access 2) with one ingress lane and one egress lane;
      ii. Provide stop-control for westbound approach (Site Access 2); and
      iii. Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.
   f. Jonesville Road and Site Access 3:
      i. Construct the eastbound and westbound approaches (Site Access 3) with one ingress lane and one egress lane;
      ii. Provide stop-control for eastbound and westbound approach (Site Access 3);
      iii. Construct northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper;
      iv. Construct northbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper;
      v. Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper; and
      vi. Construct a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.
   g. Jonesville Road and Site Access 4:
      i. Construct the eastbound approach (Site Access 4) with one ingress lane and one egress lane;
      ii. Provide stop-control for eastbound approach (Site Access 4);
      iii. Provide a northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper; and
      iv. Provide a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.
   h. Michell Mill and Site Access 5:
      i. Construct the southbound approach (Site Access 5) with one ingress lane and one egress lane;
      ii. Provide stop-control for southbound approach (Site Access 5) restricted to right-in, right-out operations unless left-turn access is approved by NCDOT; and
      iii. Construct an exclusive westbound (Mitchell Mill Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.
   i. Mitchell Mill and Site Access 6:
      i. Construct the southbound approach (Site Access 6) with one ingress lane and one egress lane striped as an exclusive right-turn lane; and
      ii. Provide stop-control for southbound approach (Site Access 6) restricted to right-in, right-out operations.
   j. Mitchell Mill and Site Access 7:
      i. Construct the southbound approach (Site Access 7) with one ingress lane and one egress lane;
      ii. Provide stop-control for southbound approach (Site Access 7); and

These zoning conditions have been voluntarily offered by the property owner. All property owners must sign each condition page. This page may be photocopied if additional space is needed.

Signature: _____ Print Name: Dana Bright

Date:

Signature: _____ Print Name: Randy Bright

Date:

Signature: _____ Print Name: Giny Wheeler

Date:

Signature: _____ Print Name: Stephen Wheeler

Date:

Signature: _____ Print Name: Leigh Fowler

Date:

Signature: _____ Print Name: James Robert Fowler III

Date:

Revision Date: January 10, 2023

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02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
ZONING CONDITION

DRAWING SHEET
C-1.1

02 OF 57

Revision Date: January 10, 2023

iii. Construct an exclusive eastbound (Mitchell Mill Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.

k. Mitchell Mill Road and Site Access 8:
   i. Construct the southbound approach (Site Access 8) with one ingress lane and one egress lane striped as an exclusive right-turn lane;
   ii. Provide stop-control for southbound approach (Site Access 8). This proposed intersection will be restricted to right-in/right-out operations; and
   iii. Construct an exclusive westbound (Mitchell Mill Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.

l. Signal Analysis and Funding:
   i. US 401 Bypass and Jonesville Road: Conduct a full signal warrant analysis prior to full build-out of the proposed development and install a traffic signal if warranted and approved by the Town and NCDOT. Nothing herein shall prohibit the property owner or developer from entering into cost-sharing agreements with others who may also benefit from a signal at this location.
   ii. US 401 Bypass and Eastern U-turn Location: Conduct a full signal warrant analysis prior to full build-out of the proposed development and install a traffic signal if warranted and approved by the Town and NCDOT. Nothing herein shall prohibit the property owner or developer from entering into cost-sharing agreements with others who may also benefit from a signal at this location.
   iii. Jonesville and Mitchell Mill Road: Conduct a full signal warrant analysis prior to full build-out of the proposed development and install a traffic signal if warranted and approved by the Town and NCDOT. Nothing herein shall prohibit the property

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Date:

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Date:

Signature: _____ Print Name: James Robert Fowler III

Date:

Revision Date: January 10, 2023

owner or developer from entering into cost-sharing agreements with others who may also benefit from a signal at this location.

iv. If no traffic signal has been warranted and approved by the Town and NCDOT at any of the locations identified in Condition 8(l)(i)-(iii) at full build-out of the proposed development (issuance of certificate of occupancy for the 380th dwelling unit and 50,000 square feet of non-residential uses), the property owner shall contribute Fifty Thousand Dollars ($50,000.00) to the Town of Rolesville to be used by the Town of Rolesville to install a traffic light at any one of the locations identified in Condition 8(l)(i)-(iii) above when warranted and approved by NCDOT.

Conditions Applicable to Dwelling, Single Family, Detached only:

9. All homes shall include either crawl space foundations or stem wall foundations. Any stem wall foundations shall be at least eighteen inches (18") in height across the front façade of the home and shall have brick or stone veneer on all sides facing a public street.
10. The minimum building square footage shall be 2,000 square feet.

Conditions Applicable to Dwellings, Single Family, Attached (Townhouse) only:

11. No Dwelling, Single Family, Attached (Townhouse) building shall exceed six (6) dwellings.
12. The minimum building square footage for townhomes shall be 1,200 square feet.

Conditions Applicable to the NC-CZ District only:

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Date:

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Date:

Signature: _____ Print Name: James Robert Fowler III

Date:

OVERAL OPEN SPACE	AC	SF	Requirement	
OVERALL SITE	139.05	6,057,192		
Code Cluster Requirement 3.1.B.1	**55.62**		**40%**	
Shown Open Space	**92.06**	**3,056,020**	**50%**	
HARRIS CREEK & WETLANDS/MARSH	33.05	1,439,648		
PERIMETER BUFFER & STREET YARD	7.89	343,483		
SCM ALLOWED OPEN SPACE	8.29	360,922		
GREEN WAY	1.42	62,040		
Community Garden	1.59	69,181		
Sewer Easement	2.72	118,548		
Open Space #1	1.29	56,353		
Open Space #1	1.09	47,487		
Subtotal	**24.29**	**1,058,014**		
PASSIVE OPEN SPACE	**54.95**	**2,497,662**		
Passive minus Harris Creek	24.29	1,058,014		
ACTIVE OPEN SPACE				
Required 6.2.D.1.b.	12.14	529,007	50% of Passive	
Shown Active Open Space	12.82	558,358	53%	
RH-CZ District Section 6.2.1.D.1.b.				
1. Medium Open Space (Area B)	1.48	64,341	1 to 2.5 Acres	Clubhouse
2. Medium Open Space (Area A)	1.05	45,842	1 to 2.5 Acres	Park 4 Infield
3. Small Open Space (Area C)	0.39	17,051	. 011 to 1.0 Acre	Playground A
	2.92	**127,234**		
NC-CZ District Section 6.2.1.D.2.C				
1. Medium Open Space 1 (TH)	2.463	107,272	1 to 2.5 Acres	Measured Mile Cross County Circuit
2. Medium Open Space 2 (SFH)	1.705	74,283	1 to 2.5 Acres	Frisbee golf course
3.Small Open Space 1	0.496	21,601	. 011 to 1.0 Acre	Exercise stations
4. Small Open Space 2	0.034	1,500	. 011 to 1.0 Acre	Chess Square
5. Small Open Space 3	0.505	22,000	. 011 to 1.0 Acre	Future Commercial Plaza
	5.203	**226,655**		
Community Wide				
PARK 1 - ACTIVE OPEN SPACE	1.20	52,287		Kiddie Cricket Pitch
PARK 3 - ACTIVE OPEN SPACE	0.18	7,911		playground Age 5-9
Park #2 SCM 3	2.26	98,356		Wilderness Agility course
Park #4 SCM 4	1.05	45,915		Parkour Circuit
	4.69	**204,469**		

Please refer to comment memo for full comments on the open space calculations.

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
OPEN SPACE DIAGRAM

DRAWING SHEET
C-1.2

03 OF 57

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GENERAL CONSTRUCTION NOTES:

1. SEE GENERAL NOTES ON SHEET C-5.0.
2. WITHIN ALL NOTES, THE TERM CONTRACTOR WILL MEAN THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS OR VENDORS PERFORMING WORK ON THE PROJECT.
3. ANY CONTRACTOR SUBMITTING A BID FOR THIS PROJECT SHALL MAKE A SITE VISIT PRIOR TO SUBMITTING BID.
4. BOUNDARY DATA PERFORMED BY TIMMONS GROUP. SEE SURVEY FOR BENCHMARK & TBM INFORMATION. SURVEY IS REFERENCED TO NC GRID NAD 83. REFER TO EXISTING CONDITIONS PLAN
5. ANY RELOCATION OF BENCHMARKS SHALL BE PERFORMED BY A NC LICENSED SURVEYOR.
6. ALL WORK, CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE, WAKE COUNTY, NCDOT OR & CITY OF RALEIGH STANDARDS AND SPECIFICATIONS, LATEST EDITION.
7. ALL WORK, CONSTRUCTION AND MATERIALS WITHIN NCDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2018 NCDOT STANDARDS SPECIFICATIONS FOR ROADS AND STRUCTURES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT RIGHT-OF-WAY. TRAFFIC CONTROL SHALL BE MAINTAINED AT ALL TIMES WITH PROPER SIGNAGE, SIGNALS, LIGHTING, FLAGMEN. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
9. COPIES OF ALL PERMITS AND APPROVED PLANS MUST BE KEPT ON SITE IN A PERMIT BOX THAT IS CONSPICUOUSLY LOCATED AND EASILY ACCESSIBLE DURING CONSTRUCTION. THIS INCLUDES APPROVED CONSTRUCTION PLANS, APPROVED EROSION CONTROL PLANS, ENCROACHMENT AGREEMENTS, DRIVEWAY PERMITS, WATER/SEWER PERMITS, ETC.
10. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CONTACT THE NC ONE CALL CENTER AT LEAST 72 HOURS PRIOR TO DIGGING @ 1.800.632.4949. UNDERGROUND LINES SHOWN HEREON ARE APPROXIMATE OR AS REPORTED BY VARIOUS RESPONSIBLE PARTIES. THE SURVEYOR DOES NOT GUARANTEE THAT ANY UNDERGROUND STRUCTURES SUCH AS UTILITIES, TANKS AND PIPES ARE LOCATED HEREON.
11. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY TOWN, CITY OF RALEIGH OR NCDOT DAMAGED PROPERTY. THE CONTRACTOR SHALL REPAIR THE DAMAGED PROPERTY TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE AGENCY HOLDING JURISDICTION AT NO COST TO THE OWNER.
13. ANY DAMAGE DONE TO PRIVATE PROPERTY OWNERS SIGNS, MAILBOX, DRIVEWAY CULVERTS, LANDSCAPING OR OTHER PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION. AT NO COST TO OWNER.
14. CONTRACTOR IS RESPONSIBLE FOR FENCING AND SECURITY OF HIS LAYDOWN AND STORAGE AREA.
15. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
16. CONTRACTOR SHALL KEEP ALL ROADS FREE OF DIRT AND DEBRIS AT ALL TIMES.
17. CONTRACTOR SHALL PROTECT EXISTING PAVEMENTS AND UTILITIES FROM HEAVY EARTH MOVING EQUIPMENT. PROVIDE TRAFFIC CONTROL AND ADEQUATE PROTECTION METHODS AT ALL EQUIPMENT CROSSINGS.
18. ALL STRUCTURAL FILL MATERIAL SHALL BE FREE OF ALL STICKS, ROCKS, AND CLUMPS OF MUD. ALL ROCKS GREATER THAN 3" DURING EXCAVATION SHALL BE REMOVED.
19. CONCRETE SIDEWALKS THAT ARE TO BE REMOVED SHALL BE CUT BACK TO NEAREST EXPANSION OR CONTROL JOINT AND REPLACED WITH 4-INCH CONCRETE SIDEWALK FINISHED TO MATCH EXISTING SIDEWALKS.
20. CONTRACTOR TO COORDINATE WITH CITY OF RALEIGH FOR TEMPORARY WATER NEEDED DURING CONSTRUCTION. IF PERMITTED TO CONNECT TO EXISTING FIRE HYDRANT A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER WILL BE REQUIRED.
21. THE TRANSITION OF PROPOSED ROADWAY TO EXISTING ROADWAY SHALL BE DONE WITH A MINIMUM 8-FT TRANSITION WHERE THE EXISTING PAVEMENT IS MILLED TO A MINIMUM DEPTH OF 1-1/2" AND OVERLAID.
22. ALL PAVEMENT SAW CUTS SHALL BE NEAT, STRAIGHT AND FULL DEPTH.
23. ALL RIP-RAP IS TO BE INSTALLED WITH NON-WOVEN FILTER FABRIC BENEATH (MIRAFI 14ON OR APPROVED EQUAL).
24. HDPE PIPE SHALL BE ADS N-12 WT (ASTM D3212) OR APPROVED EQUAL INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
25. ALL SITE CONSTRUCTION MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE FOLLOWING STAGES:
    - A. COMPLETION OF GRADING SUBGRADE PRIOR TO PLACING STONE BASE.
    - B. COMPLETION OF STONE PLACEMENT PRIOR TO PAVING.
    - C. FINAL INSPECTION WHEN ALL WORK IS COMPLETE.
26. PRIOR TO PLACING CABC STONE BASE, THE CONTRACTOR SHOULD NOTIFY THE GEOTECHNICAL ENGINEER TO INSPECT THE PROOF ROLL OF THE SUBGRADE. ANY STONE PLACED WITHOUT PRIOR APPROVAL WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO RE-CONSTRUCTION IF SUBGRADE DOES NOT MEET TOWN AND NCDOT STANDARDS & SPECIFICATIONS.
27. ALL UTILITY SERVICES, (POWER, TELEPHONE, CABLE, ETC.) ARE PROPOSED TO BE UNDERGROUND. THE CONTRACTOR SHALL COORDINATE WITH THE PRIVATE UTILITY SERVICE COMPANIES FOR ANY REQUIRED CONDUITS OR POINT OF CONTACT CONDITIONS.
28. ALL PUBLIC UTILITIES THAT REQUIRE AN ENGINEERING CERTIFICATION MUST BE INSPECTED BY A PROFESSIONAL ENGINEER ON A PERIODIC BASIS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER WHEN INSTALLING UTILITIES FOR PERIODIC INSPECTIONS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AT THE TIME OF PRESSURE TESTING AND WATER LINE DISINFECTION. THE CONTRACTOR SHALL SUPPLY THE PROJECT ENGINEER PRESSURE TEST RESULTS.
29. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED ON THE PLANS OR 12 INCHES, WHICH EVER IS LESS, CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
30. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL, TO AN APPROVED NCDENR LOCATION, OF ANY EXCESS TOPSOIL OR UNCLASSIFIED EXCAVATION HE DETERMINES IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION.
31. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE DAILY RECORD KEEPING OF THE AS-BUILT CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKEOUT ASSOCIATED WITH THE PROJECT. PREPARATION OF THE NECESSARY/REQUIRED AS-BUILT PLANS TO BE SUBMITTED TO TOWN OF ROLESVILLE AND/OR CITY RALEIGH PUBLIC UTILITIES AND/OR ALL OTHER INFORMATION REQUIRED IN CONNECTION WITH RELEASE OF BONDS.
32. THE CONTRACTOR SHALL INCLUDE IN THE PRICE, ANY AND ALL COSTS ASSOCIATED WITH PROVIDING A PROFESSIONAL ENGINEER ON SITE IF REQUIRED, DURING THE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITIES, UNDERGROUND UTILITIES, ETC. AS REQUIRED FOR AS-BUILT CERTIFICATION.
33. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. NCDOT, TOWN OF ROLESVILLE, CITY OF RALEIGH, & ENGINEER OF RECORD ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
34. TESTING BY CONTRACTOR: CONTRACTOR SHALL EMPLOY AT HIS EXPENSE AN OUTSIDE INDEPENDENT SOIL TESTING SERVICE (APPROVED BY THE OWNER) TO PERFORM SOIL TESTING AND INSPECTION SERVICE FOR QUALITY CONTROL TESTING DURING EARTHWORK OPERATIONS. COPIES OF RESULTS OF TESTS SHALL BE SUBMITTED BY THE TESTING SERVICE DIRECTLY TO THE CONTRACTOR, THE OWNER, AND THE APPLICABLE APPROVING AGENCY. --THE TESTING SERVICE WILL CLASSIFY PROPOSED ON-SITE AND BORROW SOILS TO VERIFY THAT SOILS COMPLY WITH SPECIFIED REQUIREMENTS AND TO PERFORM REQUIRED FIELD AND LABORATORY TESTING. (MINIMUM REQUIRED SOIL BEARING CAPACITY IS NOTED ON THE STRUCTURAL DRAWINGS). -IN PAVED AND BUILDING SLAB AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 2000 SQUARE FEET OF FILL IN EACH COMPACTED FILL LAYER. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION. --IN FOUNDATION WALL AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 100 FEET OR LESS OF WALL LENGTH OF FILL IN EACH COMPACTED FILL LAYER, WITH NO LESS THAN TWO TESTS ALONG A WALL FACE. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION.
35. COMPACTION: COMPACT EACH LAYER OF BACKFILL AND FILL SOIL MATERIALS AND THE TOP 12" OF SUBGRADE IN CUT AREAS TO 98% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99 FOR STRUCTURES, SLABS, AND PAVEMENTS AND 95% OF MAXIMUM DENSITY FOR EMBANKMENTS OR UNPAVED AREAS. MAX LIFT THICKNESS FOR FILL AREAS IS 8 INCHES.
36. DESIGN/FIELD CONDITIONS QUITE EASILY MAY VARY FROM THAT REPRESENTED IN THE INITIAL SOILS REPORT AND/OR TOPOGRAPHICAL REPORT. ISOLATED AREAS MAY SHOW UP WEAK AND ADVERSE SOILS OR GROUNDWATER CONDITIONS MAY BE DISCOVERED THAT WERE NOT REVEALED DURING THE INITIAL SOILS INVESTIGATION. THEREFORE, THE OWNER/CLIENT IS TO BE AWARE THAT ENGINEER OF RECORD WILL NOT AND CANNOT BE HELD RESPONSIBLE FOR ANY FAILURES TO EITHER A STREET OR PARKING LOT PAVEMENT DESIGN UNLESS WE CAN BE FULLY AND TOTALLY INVOLVED IN THE CONSTRUCTION PROCESS WHICH MAY INCLUDE, BUT MAY NOT NECESSARILY BE LIMITED TO, TESTING SUBGRADE AND BASE DENSITY, ENGAGING THE GEOTECHNICAL ENGINEER FOR THE EVALUATION OF THE SUBGRADE AND FOR THE OBSERVATION OF PROOF ROLLING SUBGRADE AND BASE AT VARIOUS STEPS OF CONSTRUCTION, OPPORTUNITY FOR THE DESIGN ENGINEER TO CALL IN A GEOTECHNICAL ENGINEER FOR CONSULTATION AND ADVICE, ETC. - STEPS WHICH TAKEN ALTOGETHER WITH THE INITIAL DESIGN SHOWN ON THE PLANS, CONSTITUTE THE COMPLETE DESIGN OF THE ROAD, STREET OF PARKING AREA (PRIVATE OR PUBLIC). THE DESIGN ENGINEER MUST BE GIVEN THE FULL LATITUDE AND OPPORTUNITY TO COMPLETE THE DESIGN BY FULLY PARTICIPATING IN THE CONSTRUCTION PROCESS. PLAN DESIGN IS A SMALL PORTION OF THE DESIGN AND CANNOT BE SEPARATED FROM THE CONSTRUCTION PROCESS IF THE OWNER'S/CLIENT'S DESIRE IS TO HAVE THE DESIGN ENGINEER STAND BEHIND THE COMPLETED DESIGNED PROJECT.
37. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDING PADS.
38. THE SITE PREVIOUSLY CONTAINED RESIDENTIAL / FARM STRUCTURES CONTRACTOR RESPONSIBLE FOR REMOVAL OF ANY FOUNDATIONS AND SEPTIC SYSTEMS PER NCDNR REQUIREMENTS.

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
&	AND
℄	CENTERLINE
Ø	DIAMETER OR ROUND
ℙ	PROPERTY LINE
ABC	AGGREGATE BASE ASPH ASPHALT
AVE	AVENUE
BLVD	BOULEVARD
BLDG	BUILDING
BOC	BACK OF CURB
BW	BOTTOM OF WALL
CB	CATCH BASIN
CI	CURB INLET
CIP	CAST IRON PIPE
CLS	CLASS
CJ	CONTROL JOINT
CO	CLEANOUT
CONC	CONCRETE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DOM	DOMESTIC
DR	DRIVE
(XX)	EXISTING ELEVATION
E	EAST, EASTING
EL	ELEVATION
EJ	EXPANSION JOINT
EOP	EDGE OF PAVEMENT
EX	EXISTING
EVAP	EVAPORATIVE
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FHA	FIRE HYDRANT ASSEMBLY
FL	FLOW LINE
FT	FOOT OR FEET
G	GAS
GALV	GALVANIZED
GB	GRADE BREAK
GE	GENERAL ELECTRIC
GR	GRADE
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HOV	HIGH OCCUPANCY VEHICLE
HP	HIGH POINT
IAW	IN ACCORDANCE WITH
I.H.	INTERSTATE HIGHWAY
INV	INVERT
LEN	LENGTH

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
LEV	LOW EMISSION VEHICLE
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH, NORTHING
NCDENR	NORTH CAROLINA DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
NCDOT	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
NTS	NOT TO SCALE
OH	OVERHEAD
OCB	OFF-SET CATCH BASIN
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
PKWY	PARKWAY
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
R.O.W	RIGHT OF WAY
RPDA	REDUCED PRESSURE DETECTOR ASSEMBLY
RPZ	REDUCED PRESSURE ZONE
S	SOUTH
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDE	SIGHT DISTANCE EASEMENT
SSMH	SANITARY SEWER MANHOLE
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
ST.STL	STAINLESS STEEL
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
TB	TOP OF BARRIER
TC/TOC	TOP OF CURB
TD	TEMPORARY DIVERSION
TH	TEST HEADER
TOP	TOP OF PIPE
TP	TOP OF PAD
TYP	TYPICAL
TW	TOP OF WALL
UG	UNDERGROUND
VEG	VEGETATED
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
YI	YARD INLET

** ALL SYMBOLS & ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS DRAWING PACKAGE **

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02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
CIVIL NOTES

DRAWING SHEET
C-2.0

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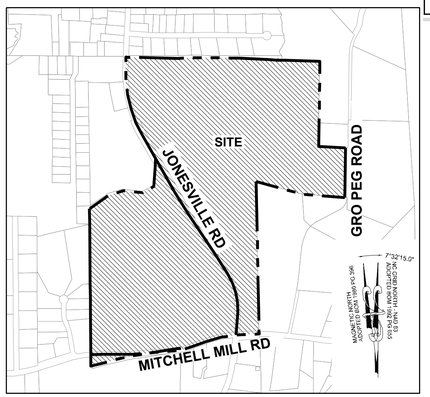
PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.73'	177.68'	N 84°38'46" W
C2	1293.60'	5.35'	5.35'	N 86°58'07" W
C3	1293.60'	337.11'	336.16'	S 85°26'50" W
C4	713.00'	127.72'	127.55'	S 83°06'48" W
C5	713.00'	48.21'	48.20'	N 89°49'04" W
C6	3289.02'	363.69'	363.50'	N 84°42'47" W
C7	1415.00'	134.86'	134.81'	N 84°16'32" W
C8	4219.80'	259.16'	259.12'	N 11°21'15" E
C9	760.57'	442.47'	436.25'	N 07°04'17" W
C10	5980.51'	249.26'	249.25'	N 24°55'52" W
C11	4196.85'	289.52'	289.47'	N 24°08'56" W
C12	1444.00'	809.14'	798.60'	N 06°07'11" W

PARCEL LINE TABLE		
COURSE	BEARING	DISTANCE
L1	S 81°44'51" E	203.47'
L2	N 25°12'36" E	0.99'
L13	N 07°04'28" E	19.71'
L14	N 07°09'19" E	160.38'
L15	S 81°18'24" E	4.60'
L16	N 79°20'16" E	165.95'
L17	N 69°21'06" E	141.50'
L18	N 86°51'01" W	73.68'
L19	S 77°58'54" W	193.04'
L20	N 87°52'51" W	288.79'
L21	N 87°52'51" W	8.74'
L22	N 81°32'43" W	147.86'
L23	N 09°55'59" E	101.17'



VICINITY MAP

1" = 800'

GRAPHIC SCALE

200 0 100 200 400 800

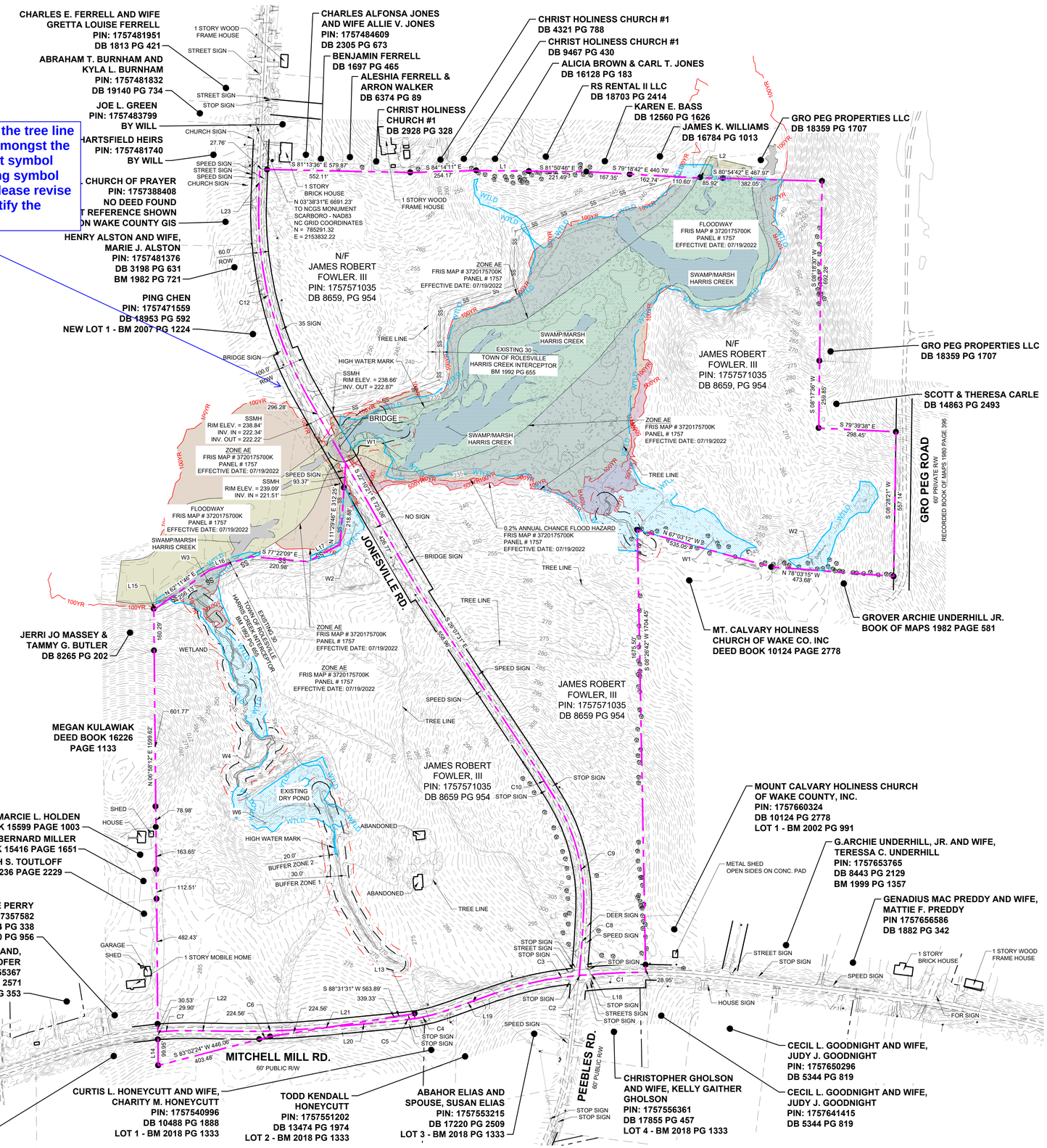
(IN FEET)
1 inch = 200 ft.

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 5' CONTOUR
- 1' CONTOUR
- EXISTING STREAM
- EXISTING BUFFER
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- EXISTING TREE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK

The dashed symbol used for the tree line is incredibly difficult to see amongst the contour lines and neither that symbol nor the tree protection fencing symbol are included in the legend. Please revise for clarity and to clearly identify the location of the TPF.

Please add a note to the plan set stating, "All adjacent properties are Wake County zoned R-30 properties according to the according to the Wake County Register of Deeds."



DRAWING SHEET
C-3.0

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SEAL

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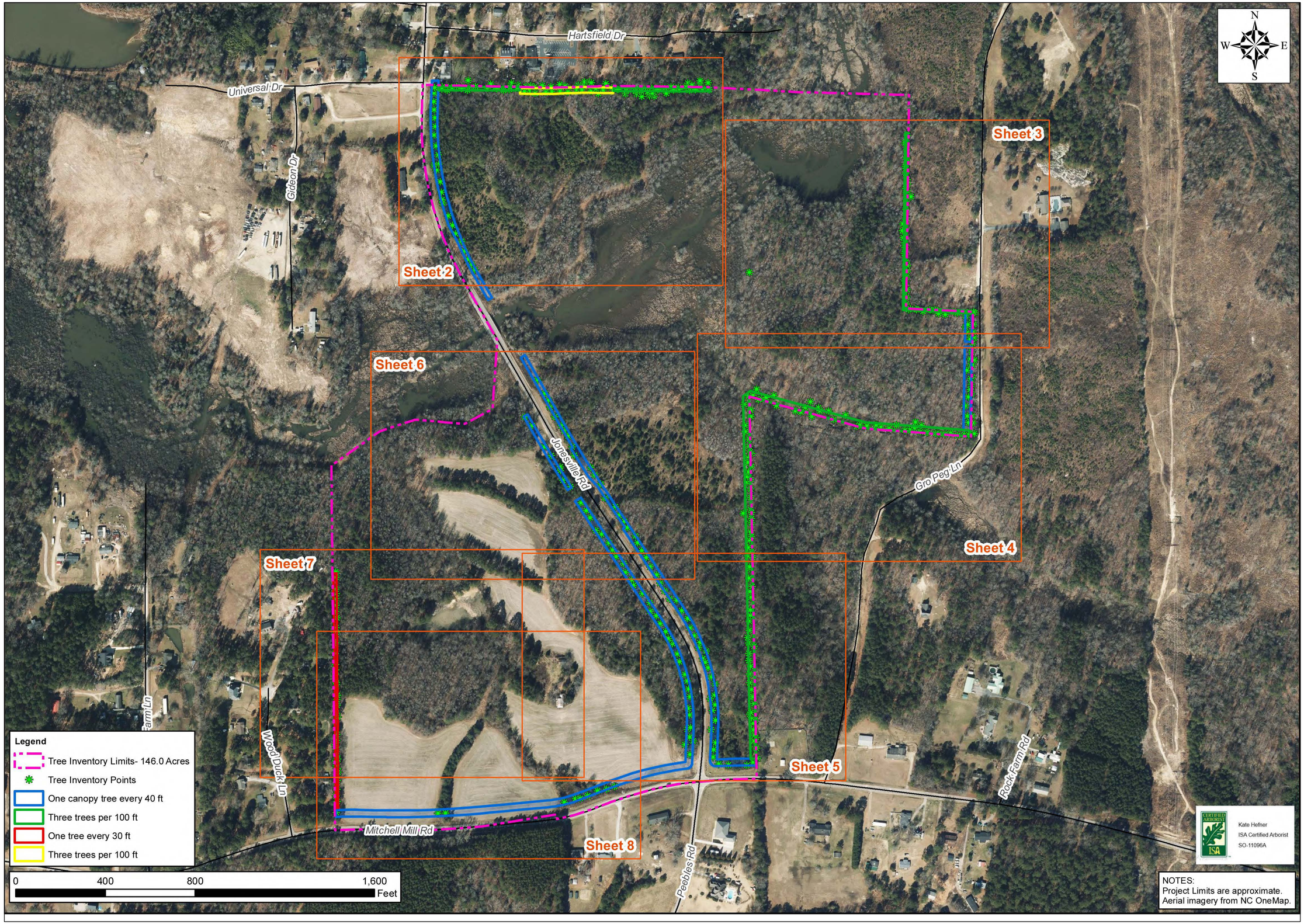
STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	JWL
				DRAWN BY	SRG
				CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
EXISTING CONDITIONS PLAN

PROGRESS PLOT DATE: 12/05/2023



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RESERVE @ MITCHELL MILL
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PRELIMINARY SITE PLAN

OVERALL TREE INVENTORY MAP

DRAWING SHEET
C-3.1

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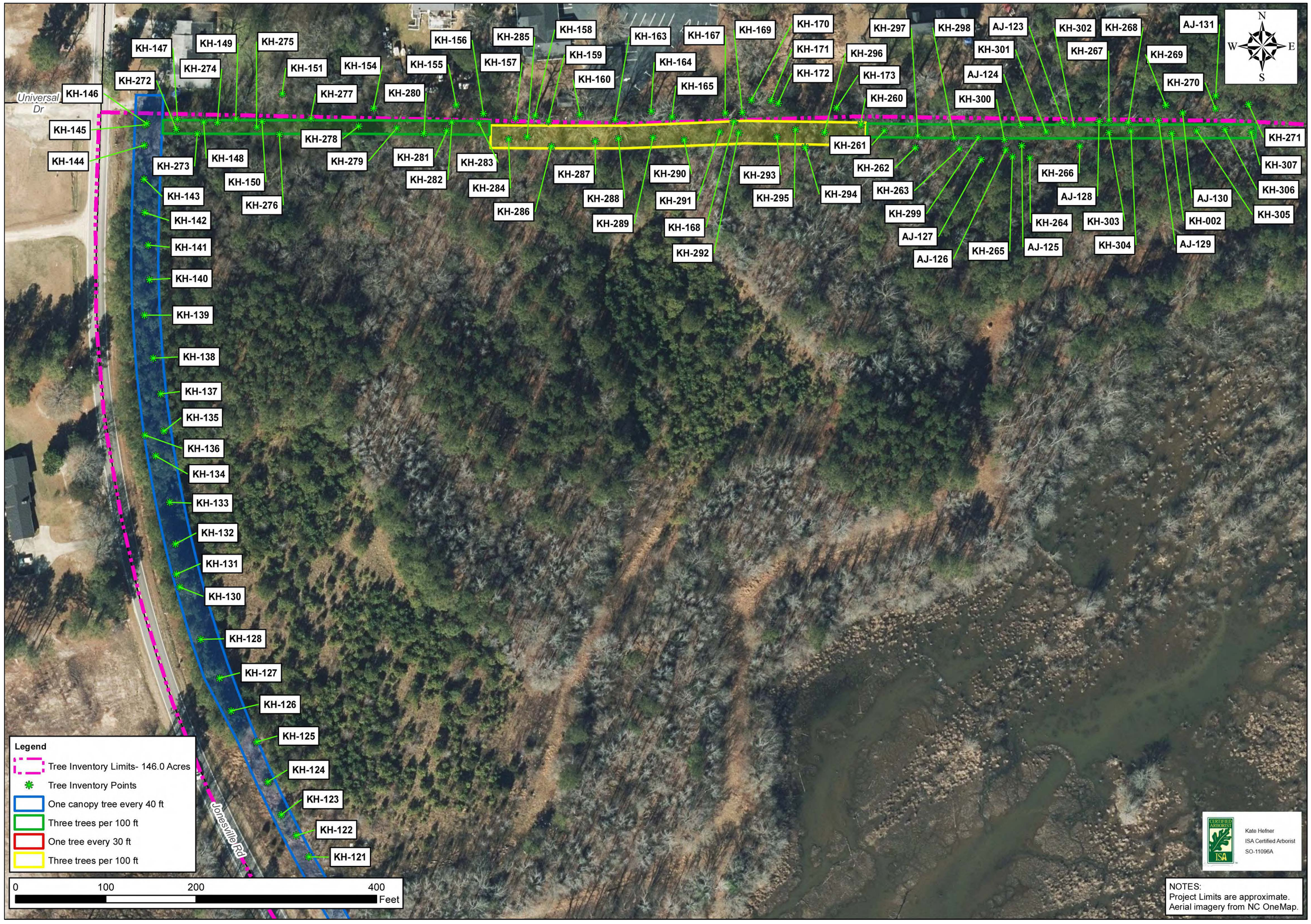

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP I

DRAWING SHEET
C-3.2

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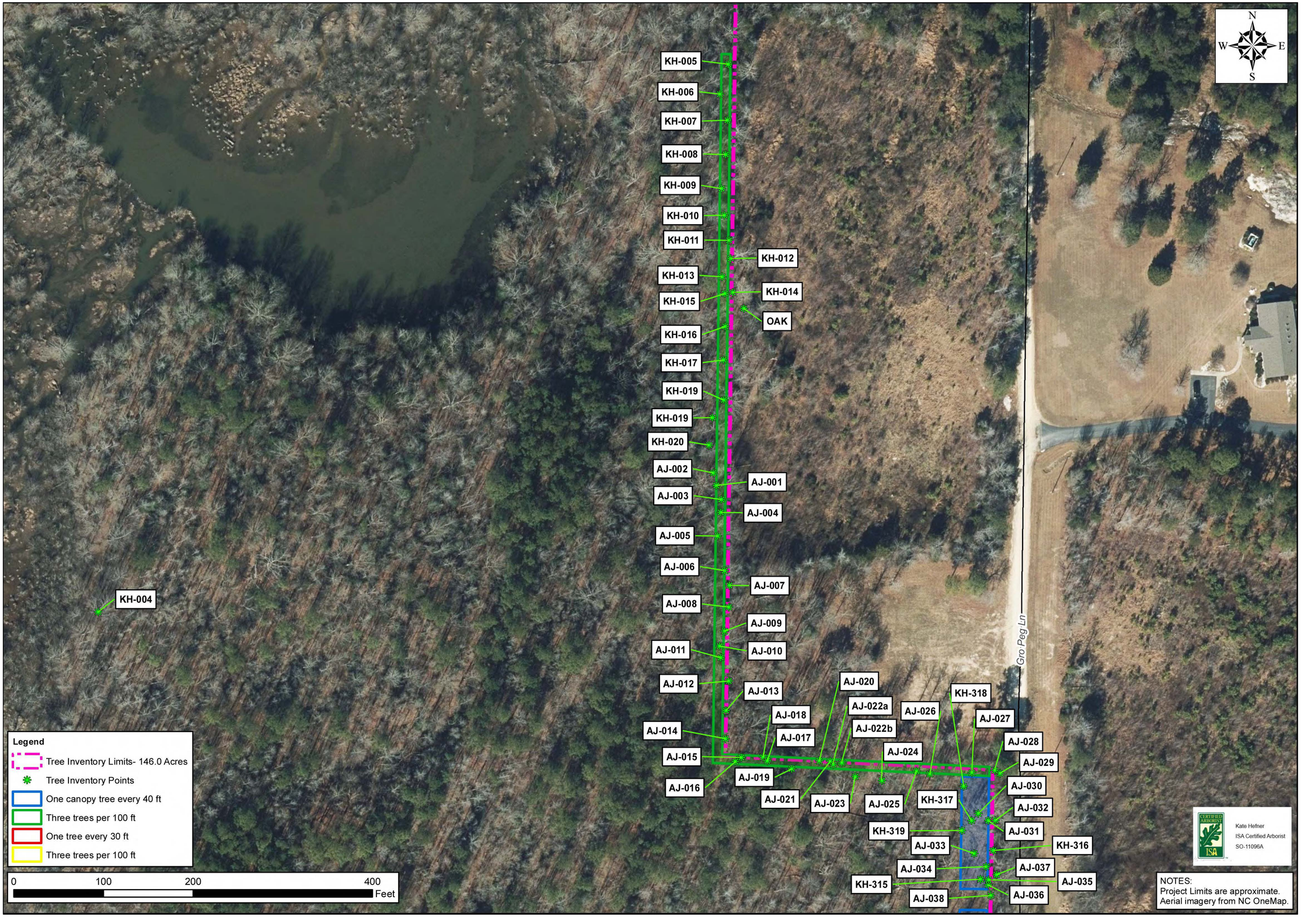

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP II

DRAWING SHEET
C-3.3

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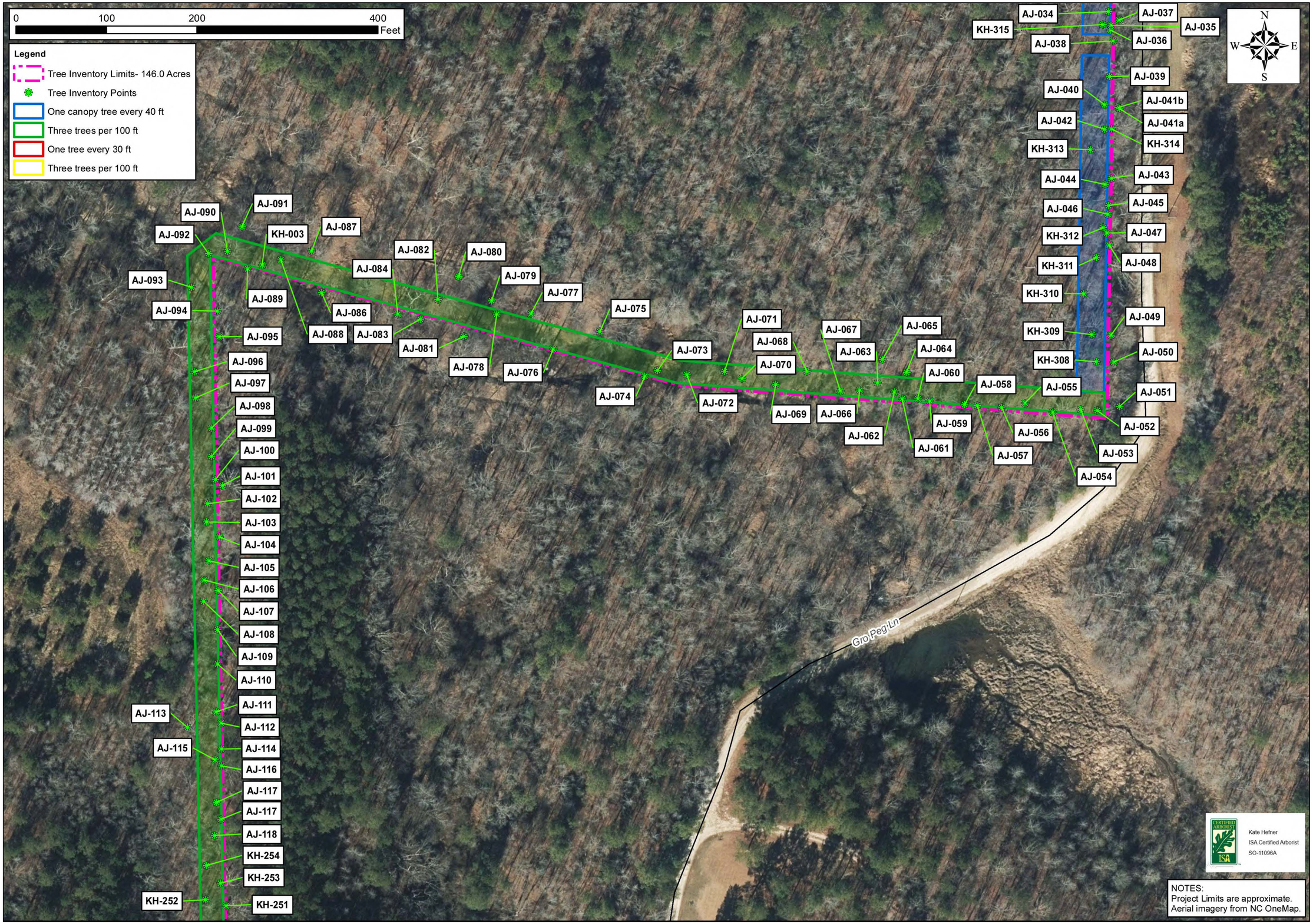

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP III

DRAWING SHEET
C-3.4

09 OF 57

PROGRESS PLOT DATE: 12/05/2023



No.	REVISIONS	DATE	BY
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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP IV

DRAWING SHEET

C-3.5

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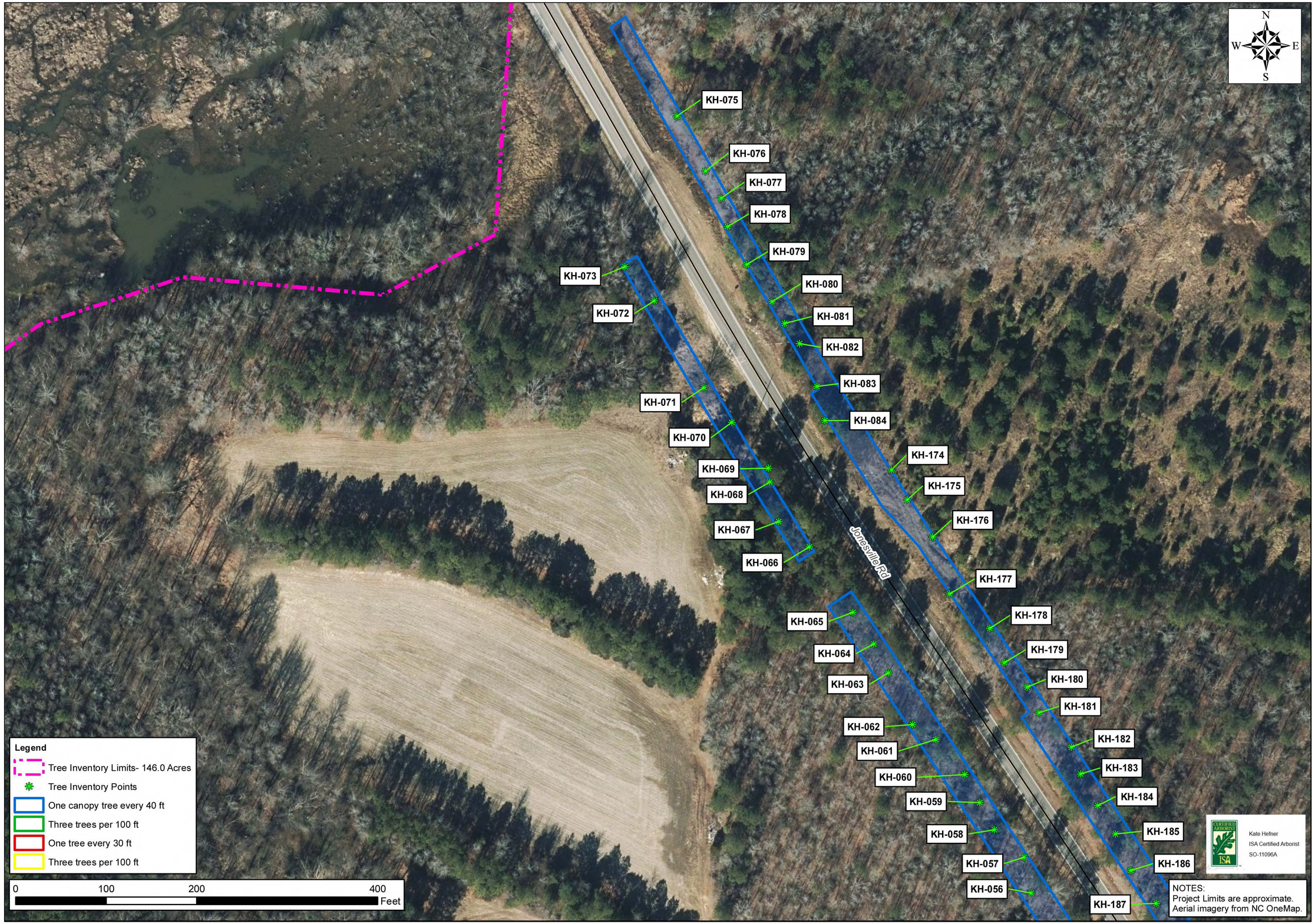

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PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP V

DRAWING SHEET

C-3.6

11 OF 57

PROGRESS PLOT DATE: 12/05/2023



No.	REVISIONS	DATE	BY
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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP VI

DRAWING SHEET
C-3.7

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STRONG ROCK PROJECT	PSP-23-03
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SCALE	AS SHOWN
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DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
PRELIMINARY SITE PLAN

PARTIAL TREE INVENTORY MAP VII

DRAWING SHEET
C-3.8

13 OF 57

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Tree Code	Botanical Name	DBH	Condition Overall
AJ-001	LITU	19"	Good
AJ-002	CATO	10"	Good
AJ-003	QUAL	10"	Good
AJ-004	JUVI	6"	Good
AJ-005	CATO	13"	Good
AJ-006	QURU	10"	Good
AJ-007	QURU	8"	Good
AJ-008	LIST	18"	Good
AJ-009	QUAL	6"	Good
AJ-010	QURU	14"	Good
AJ-011	QUAL	14"	Good
AJ-012	QUAL	12"	Good
AJ-013	CATO	6"	Good
AJ-014	ACRU	14"	Good
AJ-015	QUNI	5"	Good
AJ-016	LIST	4"	Good
AJ-017	LIST	4"	Good
AJ-018	PITA	16/18"	Good
AJ-019	ACRU	4"	Good
AJ-020	QUNI	10"	Good
AJ-021	LIST	16"	Good
AJ-022a	PITA	20"	Good
AJ-022b	PITA	20"	Good
AJ-023	ACRU	13"	Good
AJ-024	QUST	22"	Fair
AJ-025	LIST	7"	Good
AJ-026	PITA	17"	Good
AJ-027	QUNI	4"	Good
AJ-028	PITA	25"	Good
AJ-029	CATO	9"	Fair
AJ-030	QURU	20"	Good
AJ-031	LIST	19"	Good
AJ-032	CATO	12"	Good
AJ-033	LITU	27"	Good
AJ-034	LIST	18"	Good
AJ-035	LITU	23"	Good
AJ-036	PITA	20"	Good
AJ-037	ULAL	14"	Good
AJ-038	LITU	19"	Good
AJ-039	LIST	36"	Good
AJ-040	ACRU	22"	Good
AJ-041a	ACRU	15"	Good
AJ-041b	ACRU	18"	Good
AJ-042	LITU	22"	Good
AJ-043	LITU	18"	Good
AJ-044	PRSE	19"	Fair
AJ-045	LITU	19"	Good
AJ-046	LITU	17	Good
AJ-047	QUVE	31"	Good
AJ-048	LIST	6"	Fair
AJ-049	QUNI	17"	Good
AJ-050	QUAL	12"	Good
AJ-051	QUAL	12"	Good
AJ-052	QURU	12"	Good
AJ-053	QUAL	4"	Good
AJ-054	QUAL	32"	Good
AJ-055	OXAR	6"	Good
AJ-056	QURU	19"	Good
AJ-057	QUAL	13"	Good
AJ-058	LITU	17"	Good
AJ-059	LITU	24"	Good
AJ-060	QURU	32"	Good
AJ-061	ILOP	6"	Good
AJ-062	QURU	20"	Good

Tree Code	Botanical Name	DBH	Condition Overall
AJ-063	LITU	12"	Good
AJ-064	QURU	19"	Good
AJ-065	LITU	16"	Good
AJ-066	OXAF	14"	Good
AJ-067	ACRU	4"	Good
AJ-068	ACRU	6"	Good
AJ-069	ACRU	10"	Good
AJ-070	ACRU	6"	Good
AJ-071	ACRU	6"	Good
AJ-072	PRSE	9"	Good
AJ-073	DIVI	3"	Good
AJ-074	LITU	8"	Fair
AJ-075	ACRU	21"	Good
AJ-076	LITU	13"	Good
AJ-077	LIST	13"	Good
AJ-078	LIST	4"	Good
AJ-079	LITU	18"	Poor
AJ-080	LITU	25"	Good
AJ-081	PRSE	9"	Good
AJ-082	LITU	22"	Good
AJ-083	LITU	21"	Good
AJ-084	PLOC	41"	Good
AJ-086	ACRU	9"	Good
AJ-087	LITU	30"	Good
AJ-088	LIST	4"	Good
AJ-089	ACRU	18"	Good
AJ-090	ACRU	30"	Good
AJ-091	ACRU	30"	Good
AJ-092	LIST	4"	Good
AJ-093	LIST	9"	Good
AJ-094	FRPE	22"	Good
AJ-095	LIST	21"	Good
AJ-096	LIST	18"	Good
AJ-097	LITU	19"	Good
AJ-098	PRSE	8"	Good
AJ-099	QUNI	4"	Good
AJ-100	ILOP	4"	Good
AJ-101	QUST	29"	Poor
AJ-102	QURU	18"	Good
AJ-103	LIST	6"	Good
AJ-104	QURU	19"	Good
AJ-105	QUNI	17"	Good
AJ-106	LIST	7"	Good
AJ-107	QURU	28"	Good
AJ-108	LIST	5"	Good
AJ-109	QUST	18"	Good
AJ-110	PRSE	6"	Good
AJ-111	LIST	14"	Good
AJ-112	PITA	21"	Good
AJ-113	QUPH	18"	Good
AJ-114	PITA	28"	Good
AJ-115	CACA	5"	Good
AJ-116	QUST	20"	Good
AJ-117	CACA	6"	Good
AJ-117	CACA	7"	Good
AJ-118	QUNI	16"	Good
AJ-123	PITA	23"	Good
AJ-124	PITA	25"	Good
AJ-125	PRSE	6"	Good
AJ-126	QUNI	7"	Good
AJ-127	QUNI	7"	Good
AJ-128	PITA	20"	Good
AJ-129	PITA	20"	Good
AJ-130	LITU	21"	Good
AJ-131	ULRU	8"	Good

Tree Code	Botanical Name	DBH	Condition Overall
KH-002	PITA	30"	Good
KH-003	ACRU	31"	Good
KH-004	LITU	45"	Fair
KH-005	QUAL	7"	Good
KH-006	LIST	10"	Good
KH-007	LIST	6"	Good
KH-008	CATO	5"	Good
KH-009	JUVI	5	Good
KH-010	QURU	4"	Good
KH-011	CATO	6"	Good
KH-012	QUAL	21"	Good
KH-013	CATO	9"	Good
KH-014	QUAL	20"	Good
KH-015	QUPA	15"	Good
KH-016	CATO	10"	Good
KH-017	QUPA	10"	Good
KH-019	QUAL	20"	Good
KH-019	LIST	11"	Good
KH-020	CATO	12"	Good
KH-020	QUNI	12"	Good
KH-021	PITA	40"	Excellent
KH-023	LIST	5"	Good
KH-024	LIST	8"	Good
KH-025	JUVI	8"	Good
KH-026	PRSE	6"	Good
KH-027	PITA	13"	Good
KH-028	PITA	13"	Good
KH-029	JUVI	8"	Good
KH-030	PRSE	5"	Good
KH-031	PLOR	3"	Fair
KH-032	DIVI	18"	Good
KH-033	PITA	25"	Excellent
KH-034	PITA	18"	Excellent
KH-035	PITA	29"	Good
KH-036	LIST	8"	Good
KH-037	ULRU	14"	Good
KH-038	PITA	17"	Good
KH-039	PITA	13"	Good
KH-040	PITA	16"	Good
KH-041	QUAL	6"	Good
KH-042	PITA	18"	Good
KH-043	ULRU	6"	Good
KH-044	QUNI	5"	Fair
KH-045	QUNI	8"	Good
KH-046	QUNI	6"	Good
KH-047	PITA	21"	Good
KH-048	PITA	21"	Good
KH-049	QUNI	5"	Good
KH-050	QUNI	5"	Good
KH-051	QURU	6"	Good
KH-052	LIST	8"	Good
KH-053	QUAL	8"	Good
KH-054	PITA	20"	Good
KH-055	JUVI	5"	Good
KH-056	KOFL	3"	Good
KH-057	QUNI	5"	Good
KH-058	QUAL	10"	Good
KH-059	QUAL	5"	Good
KH-060	LIST	5"	Good
KH-061	QUNI	5"	Good
KH-062	QUAL	8"	Good
KH-063	QUNI	8"	Good
KH-064	QUAL	6"	Good
KH-065	PITA	10"	Good
KH-066	PITA	16"	Good

Tree Code	Botanical Name	DBH	Condition Overall
KH-067	PITA	13"	Good
KH-068	JUVI	9"	Good
KH-069	PITA	27"	Excellent
KH-070	ULRU	9"	Good
KH-071	ULRU	12"	Good
KH-072	LIST	14"	Good
KH-073	PITA	12"	Good
KH-075	QUNI	12"	Good
KH-076	QUAL	9"	Good
KH-077	QUAL	4"	Good
KH-078	QUAL	7"	Good
KH-079	PITA	14"	Good
KH-080	QUAL	7"	Good
KH-081	PITA	10"	Good
KH-082	PLOR	4"	Good
KH-083	PLOR	4"	Good
KH-084	PITA	15"	Good
KH-085	PITA	18"	Good
KH-086	QUNI	8"	Good
KH-087	MORU	4"	Good
KH-088	MORU	5"	Good
KH-089	MORU	5"	Good
KH-090	OXAR	7"	Good
KH-091	PRSE	22/14"	Poor
KH-092	QUNI	19"	Good
KH-093	MORU	6"	Good
KH-094	JUVI	7"	Good
KH-095	PRSE	14/16"	Good
KH-096	PRSE	25"	Good
KH-097	PRSE	4"	Fair
KH-098	PITA	11"	Good
KH-099	ULAL	3"	Good
KH-100	PITA	19"	Good
KH-101	QUNI	3"	Good
KH-102	ULRU	15"	Good
KH-103	ULRU	6"	Good
KH-104	PITA	11"	Good
KH-105	PITA	23"	Good
KH-106	PITA	22"	Good
KH-107	PITA	29"	Good
KH-108	PITA	26"	Good
KH-109	PITA	28"	Good
KH-110	QUNI	11"	Good
KH-111	QUNI	10"	Good
KH-112	QUNI	7"	Good
KH-113	QUNI	11"	Good
KH-114	QURU	11"	Good
KH-115	PRSE	4"	Poor
KH-116	PITA	12"	Good
KH-117	PITA	12"	Good
KH-118	PITA	13/10"	Good
KH-119	PITA	8"	Fair
KH-120	QUAL	11"	Good
KH-121	QUNI	27"	Good
KH-121	LIST	7"	Good
KH-122	PRSE	5"	Good
KH-123	PITA	10/5"	Good
KH-124	JUVI	6"	Good
KH-125	LIST	7"	Good
KH-126	LIST	3"	Good
KH-127	PLOC	11"	Good
KH-128	PITA	10"	Good
KH-130	PITA	21"	Good
KH-131	PITA	25"	Good

Tree Code	Botanical Name	DBH	Condition Overall
KH-132	PITA	5"	Good
KH-133	PITA	8"	Good
KH-134	PITA	14"	Good
KH-135	QUNI	7"	Good
KH-136	PITA	29"	Good
KH-137	PITA	11"	Good
KH-138	QUNI	5"	Good
KH-139	QUNI	4"	Fair
KH-140	PITA	8"	Good
KH-141	LIST	5"	Good
KH-142	PITA	14"	Good
KH-143	ULRU	10"	Good
KH-144	QUNI	8"	Good
KH-145	PITA	24"	Good
KH-146	QUNI	7"	Good
KH-147	QUNI	12"	Good
KH-148	QUNI	14"	Good
KH-149	ULRU	7"	Good
KH-150	LISI	3"	Fair
KH-151	ULRU	9"	Good
KH-154	MORU	10"	Fair
KH-155	ULRU	13"	Good
KH-156	PITA	31"	Good
KH-157	PRSE	9"	Good
KH-158	QURU	37"	Excellent
KH-159	LIST	5"	Good
KH-160	LITU	34"	Good
KH-163	QUAL	24"	Good
KH-164	QURU	23"	Good
KH-165	ILOP	9"	Good
KH-167	QUAL	21"	Good
KH-168	QUFA	21"	Good
KH-169	QUAL	22"	Good
KH-170	QURU	23"	Good
KH-171	PITA	21"	Good
KH-172	PITA	24"	Good
KH-173	LIST	9/8"	Fair
KH-174	PITA	5"	Good
KH-175	PITA	4"	Good
KH-176	PITA	6"	Good
KH-177	JUVI	6"	Good
KH-178	PITA	15"	Good
KH-179	QUNI	7"	Good
KH-180	QUNI	9"	Good
KH-181	QURU	6"	Good
KH-182	QUAL	8"	Good
KH-183	QUNI	6"	Good
KH-184	QUAL	8"	Good
KH-185	QUAL	8"	Good
KH-186	QUAL	13"	Good
KH-187	QUNI	10"	Good
KH-188	QUNI	5"	Good
KH-189	QUAL	13"	Good
KH-190	QUAL	10"	Good
KH-191	QUAL	14/13/12"	Good
KH-192	QUNI	5"	Good
KH-193	QUAL	4"	Good
KH-194	PRSE	6/5"	Good
KH-195	QUNI	7"	Good
KH-196	PRSE	7"	Good
KH-197	PITA	20"	Good
KH-198	PITA	14"	Good
KH-199	PITA	14"	Good
KH-200	PITA	20"	Good

Tree Code	Botanical Name	DBH	Condition Overall
KH-201	QUNI	4/4"	Fair
KH-202	QUNI	7"	Good
KH-203	QUAL	9"	Good
KH-204	QUNI	8"	Good
KH-205	PITA	20"	Poor
KH-206	PRSE	11"	Fair
KH-207	PITA	20"	Good
KH-208	PITA	12"	Good
KH-209	PITA	15"	Good
KH-210	PITA	13"	Good
KH-211	PITA	12"	Good
KH-212	PITA	12"	Good
KH-213	PITA	16"	Good
KH-214	PITA	10"	Good
KH-216	PITA	14"	Good
KH-217	PITA	14"	Good
KH-218	ULRU	11"	Good
KH-219	QUNI	4"	Good
KH-220	ULRU	15"	Good
KH-221	JUVI	5"	Good
KH-222	QURU	56"	Good
KH-223	QURU	22"	Good
KH-224	QURU	26"	Good
KH-225	ULRU	10"	Good
KH-226	CATO	6"	Good
KH-227	QURU	11"	Good
KH-228	PITA	22"	Good
KH-229	QURU	13"	Good
KH-230	QUAL	16"	Good
KH-231	QURU	17"	Fair
KH-232	QURU	18"	Good
KH-232	QURU	20/11"	Good
KH-233	QURU	10"	Good
KH-234	QURU	10/7/7/7/7"	Fair
KH-235	QURU	8"	Good
KH-236	QUAL	9/7/7"	Good
KH-237	QURU	15"	Good
KH-238	QUAL	14/11"	Good
KH-239	PITA	26"	Good
KH-240	QUAL	11/11"	Good
KH-241	QURU	13/10/9"	Good
KH-242	QURU	6/4"	Good
KH-243	QUAL	3"	Good
KH-244	QUAL	12/10/9/7"	Good
KH-245	QUAL	18/10"	Good
KH-246	QUAL	7"	Good
KH-247	PITA	25"	Good
KH-248	QUAL	8"	Good
KH-249	QUAL	10"	Good
KH-250	QURU	24"	Good
KH-251	LITU	31/12"	Good
KH-252	QURU	7"	Good
KH-253	QURU	23"	Good
KH-254	QUNI	11"	Poor
KH-260	LIST	16"	Good
KH-261	LITU	22"	Good
KH-262	LIST	9"	Good
KH-263	QURU	17"	Good
KH-264	QUAL	8"	Good
KH-265	PITA	16"	Good
KH-266	QURU	14"	Good
KH-267	QUAL	11"	Good
KH-268	QUAL	12"	Good
KH-269	PITA	15"	Good

Tree Code	Botanical Name	DBH	Condition Overall
KH-270	PITA	15"	Good
KH-271	QURU	8"	Good
KH-272	PRSE	6"	Poor
KH-273	PRSE	7"	Fair
KH-274	ULRU	20"	Fair
KH-275	LISI	6"	Fair
KH-276	LISI	3"	Fair
KH-277	PITA	28"	Good
KH-278	ILOP	11"	Good
KH-279	PRSE	8"	Good
KH-280	QURU	13"	Good
KH-281	QUNI	12"	Poor
KH-282	PITA	25"	Good
KH-283	QUAL	16"	Good
KH-284	QUNI	20"	Good
KH-285	QUNI	8"	Poor
KH-286	LIST	8"	Good
KH-287	PRSE	5"	Good
KH-288	ILOP	5"	Good
KH-289	QUNI	6"	Good
KH-290	PRSE	4"	Good
KH-291	QUST	11"	Fair
KH-292	QUNI	4"	Good
KH-293	PITA	7"	Good
KH-294	QUNI	4"	Good
KH-295	QUNI	7"	Good
KH-296	ILOP	6"	Good
KH-297	QUNI	5"	Good
KH-298	QUNI	3"	Good
KH-299	QUNI	5"	Fair
KH-300	NYSY	5"	Good
KH-301	ILOP	5"	Good
KH-302	PITA	14"	Good
KH-303	NYSY	4"	Good
KH-304	ILOP	6"	Good
KH-305	QUNI	19"	Good
KH-306	QUFA	19"	Good
KH-307	QURU	19"	Good
KH-308	QUPH	10"	Good
KH-309	LIST	5"	Good
KH-310	QUNI	17"	Fair
KH-311	QURU	6"	Good
KH-312	LITU	15"	Good
KH-313	LITU	18"	Good
KH-314	ACRU	14"	Good
KH-315	LITU	14"	Good
KH-316	LIST	8"	Good
KH-317	QUAL	20"	Good
KH-318	QUNI	14"	Good
KH-319	QUAL	29"	Good
N/A	OAK	4"	Good

5109 Mitchell Mill Road – Tree Inventory Species List

ACRU - Acer rubrum
CACA - Carpinus caroliniana
CATO - Carya tomentosa
COFL - Cornus florida
DIVI - Diospyros virginiana
FRPE - Fraxinus pennsylvanica
ILOP - Ilex opaca
JUVI - Juniperus virginiana
LISI - Ligustrum sinense
LIST - Liquidambar styraciflua
LITU - Liriodendron tulipifera
MORU - Morus rubra
NYSY – Nyssa sylvatica
OXAR - Oxydendrum arboreum
PITA - Pinus taeda
PLOC - Platanus occidentalis
PLOR - Platycladus orientalis
PRSE - Prunus serotina
QUAL - Quercus alba
QUFA - Quercus falcata
QUNI - Quercus nigra
QUPA - Quercus pagoda
QUPH - Quercus phellos
QURU - Quercus rubra
QUST - Quercus stellata
QUVE - Quercus velutina
ULAL - Ulmus alata
ULRU - Ulmus rubra

THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

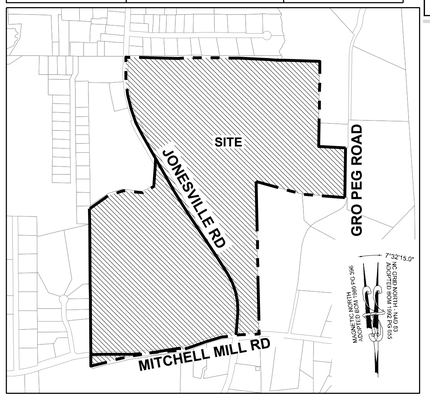
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

TREE INVENTORY TABLE

DRAWING SHEET
C-3.9

PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.73'	177.68'	N 84°38'46" W
C2	1293.60'	5.35'	5.35'	N 86°58'07" W
C3	1293.60'	337.11'	336.16'	S 85°26'50" W
C4	713.00'	127.72'	127.55'	S 83°06'48" W
C5	713.00'	48.21'	48.20'	N 89°49'04" W
C6	3289.02'	363.69'	363.50'	N 84°42'47" W
C7	1415.00'	134.86'	134.81'	N 84°16'32" W
C8	4219.80'	259.16'	259.12'	N 11°21'15" E
C9	760.57'	442.47'	436.25'	N 07°04'17" W
C10	5980.51'	249.26'	249.25'	N 24°55'52" W
C11	4196.85'	289.52'	289.47'	N 24°08'56" W
C12	1444.00'	809.14'	798.60'	N 06°07'11" W

PARCEL LINE TABLE		
COURSE	BEARING	DISTANCE
L1	S 81°44'51" E	203.47'
L2	N 25°12'36" E	0.99'
L13	N 07°04'28" E	19.71'
L14	N 07°09'19" E	160.38'
L15	S 81°18'24" E	4.60'
L16	N 79°20'16" E	165.95'
L17	N 69°21'06" E	141.50'
L18	N 86°51'01" W	73.68'
L19	S 77°58'54" W	193.04'
L20	N 87°52'51" W	288.79'
L21	N 87°52'51" W	8.74'
L22	N 81°32'43" W	147.86'
L23	N 09°55'59" E	101.17'



VICINITY MAP

1" = 800'

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 5' CONTOUR
- 1' CONTOUR
- EXISTING STREAM
- EXISTING BUFFER
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- EXISTING TREE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK

Label the tree line and tree protection fencing areas.

DEMOLITION KEYNOTES:

1. EXISTING BUILDING TO BE REMOVED.
2. EXISTING TREES TO BE REMOVED.

CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421

ABRAHAM T. BURNHAM AND KYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734

JOE L. GREEN PIN: 1757483799 BY WILL

ROZELIA J. HARTSFIELD HEIRS PIN: 1757481740 BY WILL

UNIVERSAL CHURCH OF PRAYER PIN: 1757388408 NO DEED FOUND INCORRECT REFERENCE SHOWN ON WAKE COUNTY GIS

HENRY ALSTON AND WIFE, MARIE J. ALSTON PIN: 1757481376 DB 3198 PG 631 BM 1982 PG 721

PING CHEN PIN: 1757471559 DB 18953 PG 592 NEW LOT 1 - BM 2007 PG 1224

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES PIN: 1757484609 DB 2305 PG 673

BENJAMIN FERRELL DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER DB 6374 PG 89

CHRIST HOLINESS CHURCH #1 DB 2928 PG 328

CHRIST HOLINESS CHURCH #1 DB 4321 PG 788

CHRIST HOLINESS CHURCH #1 DB 9467 PG 430

ALICIA BROWN & CARL T. JONES DB 16128 PG 183

RS RENTAL II LLC DB 18703 PG 2414

KAREN E. BASS DB 12560 PG 1626

JAMES K. WILLIAMS DB 16784 PG 1013

GRO PEG PROPERTIES LLC DB 18359 PG 1707

N/F JAMES ROBERT FOWLER. III PIN: 1757571035 DB 8659, PG 954

GRO PEG PROPERTIES LLC DB 18359 PG 1707

SCOTT & THERESA CARLE DB 14863 PG 2493

GRO PEG ROAD 60' PRIVATE R/W RECORDED BOOK OF MAPS 1980 PAGE 396

JONESVILLE RD.

MITCHELL MILL RD. 60' PUBLIC R/W

PEEBLES RD. 60' PUBLIC R/W

JERRI JO MASSEY & TAMMY G. BUTLER DB 8265 PG 202

MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

MARCIE L. HOLDEN DEED BOOK 15599 PAGE 1003

BERNARD MILLER DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF DEED BOOK 9236 PAGE 2229

HEATHER MARIE PERRY PIN: 1757357582 DB 18954 PG 338 LOT 1 & 2 - BM 1990 PG 956

NICHOLAS JAMES PIGNATTI AND, HOLLY BETH NIEDERHOFER PIN: 1757355367 DB 17247 PG 2571 LOT 1 - BM 2009 PG 353

PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT PIN: 1757540996 DB 10488 PG 1888 LOT 1 - BM 2018 PG 1333

TODD KENDALL HONEYCUTT PIN: 1757551202 DB 13474 PG 1974 LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS PIN: 1757553215 DB 17220 PG 2509 LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON PIN: 1757556361 DB 17855 PG 457 LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757641415 DB 5344 PG 819

MOUNT CALVARY HOLINESS CHURCH OF WAKE COUNTY, INC. PIN: 1757660324 DB 10124 PG 2778 LOT 1 - BM 2002 PG 991

G.ARCHIE UNDERHILL, JR. AND WIFE, TERESSA C. UNDERHILL PIN: 1757653765 DB 8443 PG 2129 BM 1999 PG 1357

GENADIUS MAC PREDDY AND WIFE, MATTIE F. PREDDY PIN 1757656586 DB 1882 PG 342

MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC DEED BOOK 10124 PAGE 2778

GROVER ARCHIE UNDERHILL JR. BOOK OF MAPS 1982 PAGE 581

JAMES ROBERT FOWLER, III PIN: 1757571035 DB 8659 PG 954

JAMES ROBERT FOWLER, III PIN: 1757571035 DB 8659 PG 954

FLOODWAY FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022

ZONE AE FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022

0.2% ANNUAL CHANCE FLOOD HAZARD FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022

SWAMP/MARSH HARRIS CREEK

EXISTING 30 TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655

EXISTING DRY POND

BRIDGE

1 STORY WOOD FRAME HOUSE

1 STORY BRICK HOUSE

1 STORY MOBILE HOME

SHED

SHED GARAGE

ABANDONED

HIGH WATER MARK

TREE LINE

SSMH RIM ELEV. = 238.66' INV. OUT = 222.87'

SSMH RIM ELEV. = 238.84' INV. IN = 222.34' INV. OUT = 222.22'

SSMH RIM ELEV. = 239.09' INV. IN = 221.51'

N 03°38'31"E 6691.23' TO NCGS MONUMENT SCARBORO - NAD83 NC GRID COORDINATES N = 785291.32 E = 2153832.22

MASTER PLAN NOTES:

1. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL RADII ARE 5' UNLESS OTHERWISE NOTED.
3. ALL PROPOSED SIDEWALKS ARE 5' WIDE UNLESS OTHERWISE NOTED.
4. ALL PROPOSED CROSSWALKS ARE 10' WIDE UNLESS OTHERWISE NOTED.
5. ALL PROPOSED ACCESSIBLE RAMPS ARE 5' WIDE UNLESS OTHERWISE NOTED.
6. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH DETECTABLE WARNING SURFACES.
7. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 8.33%.
8. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MAXIMUM CROSS SLOPE OF 2%.
9. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MAXIMUM LANDING SLOPE OF 2%.
10. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM LANDING LENGTH OF 5'.
11. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM LANDING WIDTH OF 5'.
12. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MAXIMUM RISE OF 30".
13. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MAXIMUM RUN OF 360".
14. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR WIDTH OF 36".
15. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR HEIGHT OF 80".
16. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR LENGTH OF 60".
17. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR WIDTH OF 36".
18. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR HEIGHT OF 80".
19. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR LENGTH OF 60".
20. ALL PROPOSED ACCESSIBLE RAMPS ARE TO BE CONSTRUCTED WITH A MINIMUM CLEAR WIDTH OF 36".

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT SEAL

STRONGROCK
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
DEMOLITION PLAN

DRAWING SHEET
C-4.0

15 OF 57

PROGRESS PLOT DATE: 12/05/2023

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	STREET 'A'	1264.52'	N0°23'26"W	10+00.00	22+64.52
L2	STREET 'B'	201.11'	N1°32'18"W	10+00.00	12+01.11
L3	STREET 'C'	153.03'	N89°36'34"E	10+00.00	11+53.03
L4	STREET 'C'	453.67'	N88°27'42"E	11+73.07	16+26.73
L5	STREET 'D'	370.32'	N90°00'00"E	10+00.00	13+70.32
L6	STREET 'E'	118.49'	S56°12'22"W	10+00.00	11+18.49
L7	STREET 'E'	363.97'	S79°05'59"W	12+38.37	16+02.33
L8	STREET 'E'	205.11'	S73°58'51"W	16+91.67	18+96.78
L9	STREET 'E'	236.89'	S89°36'34"W	19+37.70	21+74.59
L10	STREET 'F'	137.30'	N14°39'30"W	10+00.00	11+37.30
L11	STREET 'F'	45.89'	N2°10'11"W	11+70.00	12+15.88
L12	STREET 'F'	356.44'	N22°14'24"W	12+68.43	16+24.87
L13	STREET 'F'	97.77'	N8°29'13"W	17+44.89	18+42.66
L14	STREET 'F'	311.03'	N33°36'56"W	19+74.23	22+85.26
L15	STREET 'F'	122.32'	N10°59'05"W	23+45.51	24+67.82
L16	STREET 'F'	12.38'	N31°53'05"W	25+18.00	25+30.38
L17	STREET 'G'	525.23'	N58°06'55"E	10+00.00	15+25.23
L18	STREET 'H'	2.21'	N12°40'01"W	10+00.00	10+02.21
L19	STREET 'H'	202.12'	N33°39'46"W	10+57.18	12+59.30
L20	STREET 'I'	217.04'	S56°21'23"W	10+00.00	12+17.04
L21	STREET 'I'	309.72'	S81°30'47"W	13+48.76	16+58.48
L22	STREET 'J'	1222.94'	N56°12'22"E	10+00.00	22+22.94
L23	STREET 'J'	451.93'	S87°11'53"E	25+42.30	29+94.22
L24	STREET 'K'	772.72'	S33°46'39"E	10+00.00	17+72.72
L25	STREET 'L'	80.15'	S33°47'38"E	10+00.00	10+80.15
L26	STREET 'L'	738.73'	S1°10'42"E	12+11.08	19+49.80
L27	STREET 'L'	29.78'	S80°24'31"E	21+57.23	21+87.01
L28	STREET 'M'	101.92'	N33°46'39"W	10+00.00	11+01.92
L29	STREET 'M'	249.87'	N56°12'22"E	12+19.71	14+69.58
L30	STREET 'M'	101.90'	S33°47'38"E	15+87.40	16+89.29

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L31	STREET 'N'	22.85'	N30°29'12"W	10+00.00	10+22.85
L32	STREET 'N'	291.73'	N0°24'43"W	11+01.59	13+93.32
L33	STREET 'N'	258.45'	N88°19'47"E	13+93.33	16+51.77
L34	STREET 'O'	520.78'	N0°41'10"E	10+00.00	15+20.78
L35	STREET 'P'	118.66'	S30°29'12"E	10+00.00	11+18.66
L36	STREET 'P'	18.18'	S80°47'14"E	12+50.36	12+68.53
L37	STREET 'P'	110.54'	N62°12'45"E	13+65.41	14+75.94
L38	STREET 'P'	34.02'	N2°48'07"E	16+31.49	16+65.50
L39	STREET 'Q'	491.62'	N65°38'58"E	10+00.00	14+91.62
L40	STREET 'Q'	27.48'	N0°01'05"W	19+50.07	19+77.54
L41	STREET 'S'	802.07'	N89°58'55"E	10+00.00	18+02.07
L42	PUBLIC ALLEY '1'	12.72'	N8°29'13"W	10+00.00	10+12.72
L43	PUBLIC ALLEY '1'	424.06'	N33°36'56"W	10+78.51	15+02.56
L44	PUBLIC ALLEY '1'	16.22'	N10°54'01"W	15+62.04	15+78.25
L45	PUBLIC ALLEY '2'	41.90'	S12°46'01"E	10+00.00	10+41.90
L46	PUBLIC ALLEY '2'	475.15'	S33°36'56"E	10+96.75	15+71.89
L47	PUBLIC ALLEY '3'	10.18'	N10°54'01"W	10+00.00	10+10.18
L48	PUBLIC ALLEY '3'	135.64'	N56°20'14"E	10+68.86	12+04.50
L49	PRIVATE DRIVEWAY '1'	180.50'	N56°23'04"E	10+00.00	11+80.50
L50	PRIVATE DRIVEWAY '2'	180.63'	N56°23'04"E	10+00.00	11+80.63
L51	PRIVATE DRIVEWAY '3'	168.00'	N56°23'04"E	10+00.00	11+68.00
L52	PRIVATE DRIVEWAY '4'	168.00'	N56°23'04"E	10+00.00	11+68.00
L53	PRIVATE DRIVEWAY '5'	162.00'	N56°23'04"E	10+00.00	11+62.00
L54	PRIVATE DRIVEWAY '6'	295.00'	S33°36'56"E	10+00.00	12+95.00
L55	PRIVATE DRIVEWAY '7'	162.00'	N56°23'04"E	10+00.00	11+62.00
L56	PRIVATE DRIVEWAY '8'	59.75'	S79°05'59"W	10+00.00	10+59.75
L57	PRIVATE DRIVEWAY '8'	41.07'	N31°53'05"W	10+59.76	11+00.82
L58	MEW '1'	162.00'	N56°23'04"E	10+00.00	11+62.00
L59	MEW '2'	168.00'	N56°23'06"E	10+00.00	11+68.00
L60	MEW '3'	180.50'	N56°23'03"E	10+00.00	11+80.50

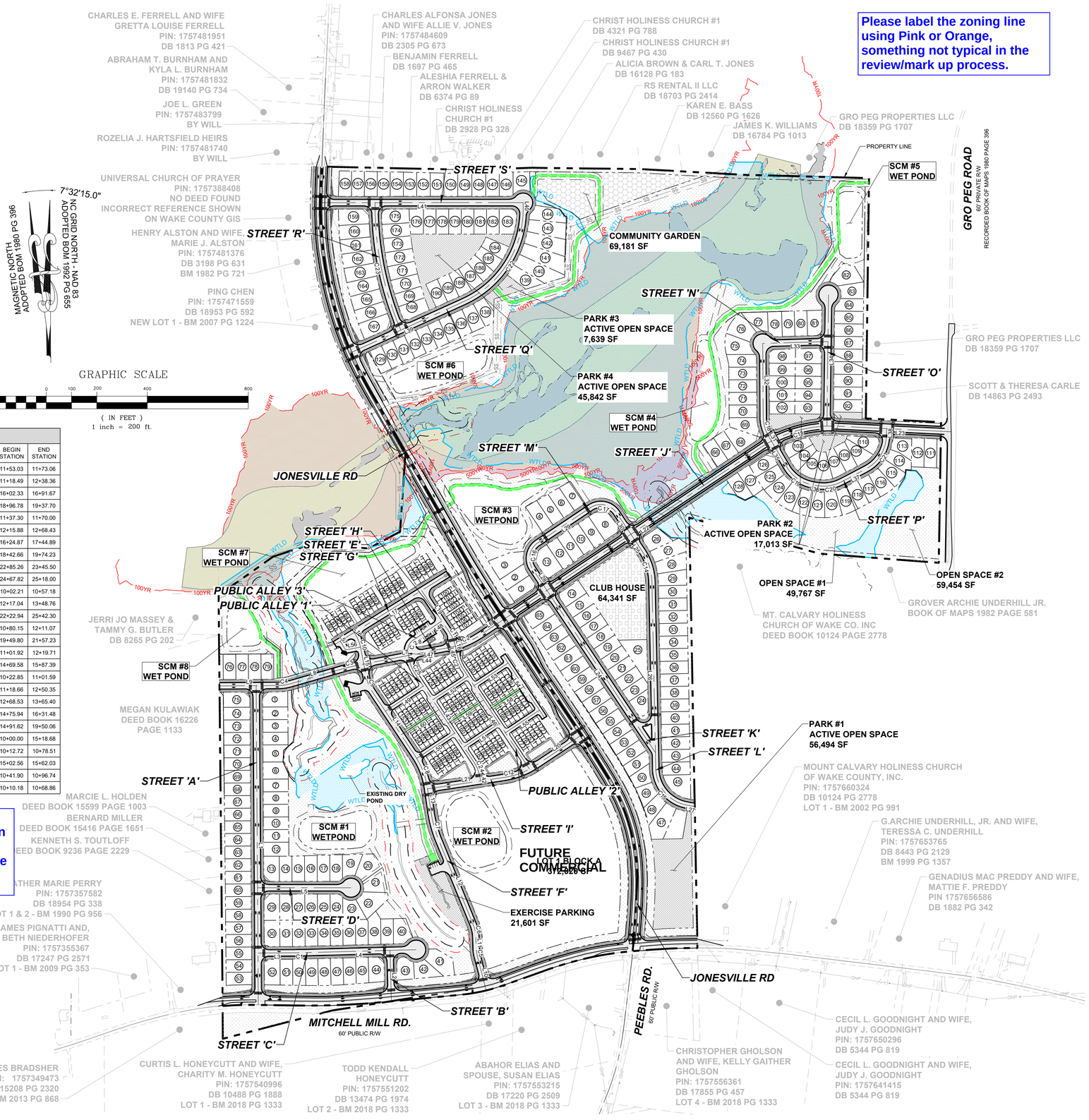
CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	STREET 'C'	1000.00'	20.03'	20.03'	N89°02'08"E	11+53.03	11+73.06
C2	STREET 'E'	300.00'	119.87'	119.07'	S67°39'11"W	11+18.49	12+38.36
C3	STREET 'E'	1000.00'	89.34'	89.31'	S76°32'25"W	16+02.33	16+91.67
C4	STREET 'E'	150.00'	40.92'	40.79'	S81°47'43"W	18+96.78	19+37.70
C5	STREET 'F'	150.00'	32.70'	32.63'	N8°24'51"W	11+37.30	11+70.00
C6	STREET 'F'	150.00'	52.54'	52.28'	N12°12'17"W	12+15.88	12+68.43
C7	STREET 'F'	500.00'	120.02'	119.73'	N15°21'48"W	16+24.87	17+44.89
C8	STREET 'F'	300.00'	131.57'	130.52'	N21°03'04"W	18+42.66	19+74.23
C9	STREET 'F'	150.00'	60.24'	59.83'	N22°06'38"W	22+85.26	23+45.50
C10	STREET 'F'	150.00'	50.18'	49.95'	N21°28'28"W	24+67.82	25+18.00
C11	STREET 'H'	150.00'	54.97'	54.66'	N23°09'54"W	10+02.21	10+57.18
C12	STREET 'I'	300.00'	131.72'	130.66'	S68°56'05"W	12+17.04	13+48.76
C13	STREET 'J'	500.00'	319.36'	313.96'	N74°30'15"E	22+22.94	25+42.30
C14	STREET 'L'	230.00'	130.93'	129.17'	S17°29'10"E	10+80.15	12+11.07
C15	STREET 'L'	150.00'	207.42'	191.29'	S40°47'36"E	19+49.80	21+57.23
C16	STREET 'M'	75.00'	117.79'	106.05'	N11°12'52"E	11+01.92	12+19.71
C17	STREET 'M'	75.00'	117.81'	106.07'	S78°47'38"E	14+69.58	15+87.39
C18	STREET 'N'	150.00'	78.74'	77.83'	N15°26'57"W	10+22.85	11+01.59
C19	STREET 'P'	150.00'	131.69'	127.50'	S55°38'13"E	11+18.66	12+50.35
C20	STREET 'P'	150.00'	96.87'	95.19'	N80°42'46"E	12+68.53	13+65.40
C21	STREET 'P'	150.00'	155.54'	148.66'	N32°30'26"E	14+75.94	16+31.48
C22	STREET 'Q'	400.00'	458.45'	433.76'	N32°48'56"E	14+91.62	19+50.06
C23	STREET 'R'	1250.00'	518.68'	514.96'	S11°25'57"E	10+00.00	15+18.68
C24	PUBLIC ALLEY '1'	150.00'	65.79'	65.26'	N21°03'04"W	10+12.72	10+78.51
C25	PUBLIC ALLEY '1'	150.00'	59.47'	59.08'	N22°15'28"W	15+02.56	15+62.03
C27	PUBLIC ALLEY '2'	150.00'	54.84'	54.54'	S23°08'29"E	10+41.90	10+96.74
C28	PUBLIC ALLEY '3'	50.00'	58.68'	55.37'	N22°43'06"E	10+10.18	10+68.86

LEGEND:

- EXISTING PROPERTY LINE
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- SIGN
- STOP BAR
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- STANDARD CURB & GUTTER
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- OPEN SPACE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK

Different symbols are being used for Active Open Space and Passive Open Space. Please update the legend to showcase all symbols used within the plan set.

Please label the zoning line using Pink or Orange, something not typical in the review/mark up process.



TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO TOWN OF ROLESVILLE AND CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
2. ROADS AND DRIVEWAYS SHALL COMPLY WITH NCDOT AND TOWN OF ROLESVILLE STANDARDS.
3. SIGN PERMITS SHALL BE REQUIRED FOR ANY ENTRANCE SIGNAGE. PERMITS SHALL BE REQUIRED PRIOR TO FABRICATION OR INSTALLATION OF SIGNS. SIGNAGE SHALL BE RESTRICTED TO AN ON-SITE LOCATION.
4. THE WATER AND SEWER SYSTEMS SHALL COMPLY WITH CITY OF RALEIGH STANDARDS.
5. ALL DESIGN AND CONSTRUCTION METHODS SHALL COMPLY WITH WAKE COUNTY'S SEDIMENTATION AND EROSION CONTROL REGULATIONS. AN EROSION CONTROL PLAN SHALL BE APPROVED BY TOWN OF ROLESVILLE PRIOR TO ANY GRADING.
6. CONSTRUCTION DRAWINGS SHALL BE SUBMITTED AND APPROVED BY TOWN OF ROLESVILLE AND CITY OF RALEIGH PRIOR TO CONSTRUCTION.
7. ALL STREETS WITHIN THE SUBDIVISION WILL HAVE A POSTED SPEED LIMIT OF 25 MPH.
8. RESTRICTIVE COVENANTS SHALL BE APPROVED AND RECORDED PRIOR TO RECORDING OF FINAL PLAT.
9. STORMWATER CONTROL MEASURES SHALL BE CONTAINED IN AND ACCESSED VIA OPEN SPACE MAINTAINED AND OWNED BY THE HOMEOWNER'S ASSOCIATION. A MAINTENANCE PLAN MUST BE DEVELOPED TO ADDRESS THE STORMWATER CONTROL MEASURES AND APPROVED BY TOWN OF ROLESVILLE.
10. PRIVATE STORM DRAINAGE EASEMENTS SHALL BE MAINTAINED BY THE HOA.
11. SUBDIVISION LOTS MUST BE LOTS OF RECORD PRIOR TO RECEIVING A BUILDING PERMIT.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. L AMBERT

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	JWL
				DRAWN BY	SRG
				CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
OVERALL SITE PLAN

DRAWING SHEET
C-5.0

16 OF 57

THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

PROGRESS PLOT DATE: 12/05/2023

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES PIN: 1757484609 DB 2305 PG 673

BENJAMIN FERRELL DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER DB 6374 PG 89

15.0' TYPE II PERIMETER BUFFER

CHRIST HOLINESS CHURCH #1 DB 2928 PG 328

CHRIST HOLINESS CHURCH #1 DB 4321 PG 788

CHRIST HOLINESS CHURCH #1 DB 9467 PG 430

ALICIA BROWN & CARL T. JONES DB 16128 PG 183

RS RENTAL II LLC DB 18703 PG 2414

KAREN E. BASS DB 12560 PG 1626

PROPERTY LINE

MATCH LINE
FOR CONTINUATION, SEE C-5.2

STREET 'S'

STREET 'R'

STREET 'Q'

10'X70' SIGHT DISTANCE TRIANGLES

CROSSWALK (TYP.)

20.0' PUBLIC DRAINAGE EASEMENT

PARK #4
ACTIVE OPEN SPACE
45,842 SF

PARK #3
ACTIVE OPEN SPACE
7,639 SF

COMMUNITY GARDEN
69,181 SF

30.0' GREENWAY EASEMENT

10.0' GREENWAY

RETAINING WALL (TYP.)

SCM MAINTENANCE EASEMENT

SCM #6
WET POND

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

30.0' EXISTING GREEN INTERCEPTOR
TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR
BM 1992 PG 655

SWAMP/MARSH
HARRIS CREEK

FLOODZONE AE

FLOODWAY

W1

HENRY ALSTON AND WIFE, MARIE J. ALSTON PIN: 1757481376 DB 3198 PG 631 BM 1982 PG 721

PING CHEN PIN: 1757471559 DB 18953 PG 592 NEW LOT 1 - BM 2007 PG 1224

JONESVILLE RD

Label ROW Width.

Label ramps as required by LDO Section 9.2.1.B.10

MATCH LINE
FOR CONTINUATION, SEE C-5.4

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

C-5.1 C-5.2 C-5.3 C-5.4 C-5.5 C-5.6 C-5.7 C-5.8 C-5.9

SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND.

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL:

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ENGINEERING GROUP
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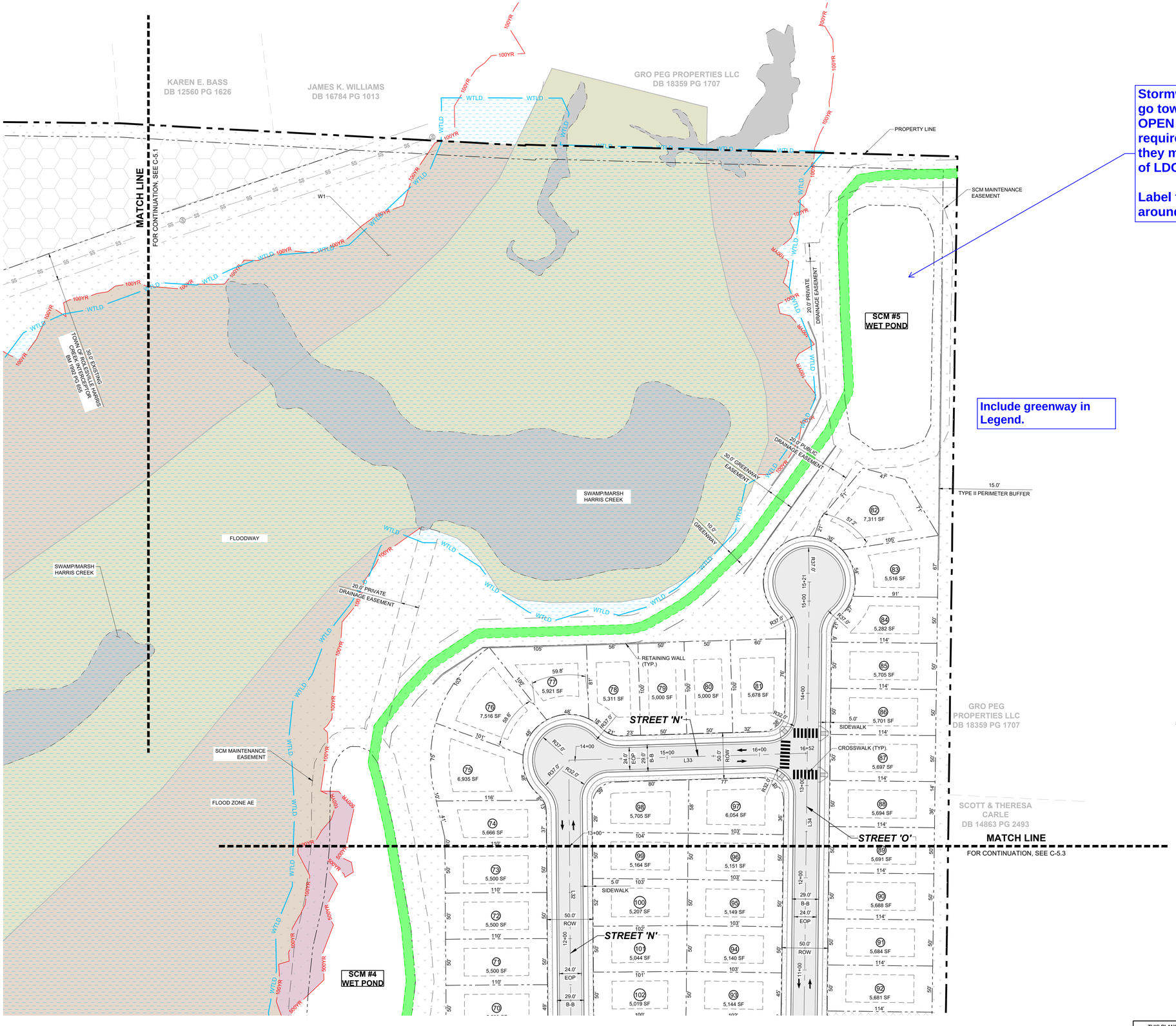
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN I

DRAWING SHEET
C-5.1

17 OF 57

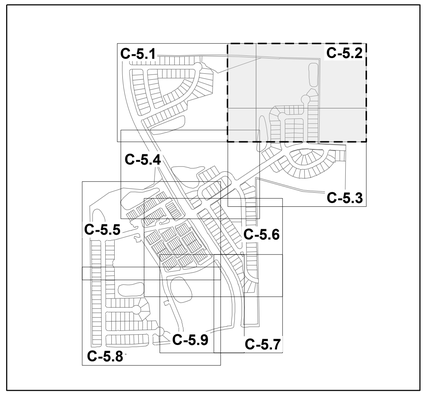
PROGRESS PLOT DATE: 12/05/2023



Stormwater facilities can go towards PASSIVE OPEN SPACE requirements so long as they meet the limitations of LDO Sec 6.2.1.G.7.

Label the required trail around the SCM.

Include greenway in Legend.



SITE KEY PLAN

LEGEND:

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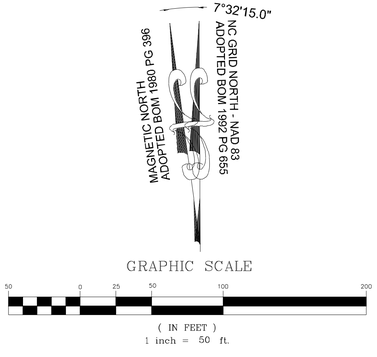

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NOT FOR CONSTRUCTION	
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DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN II

DRAWING SHEET
C-5.2

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SEAL:

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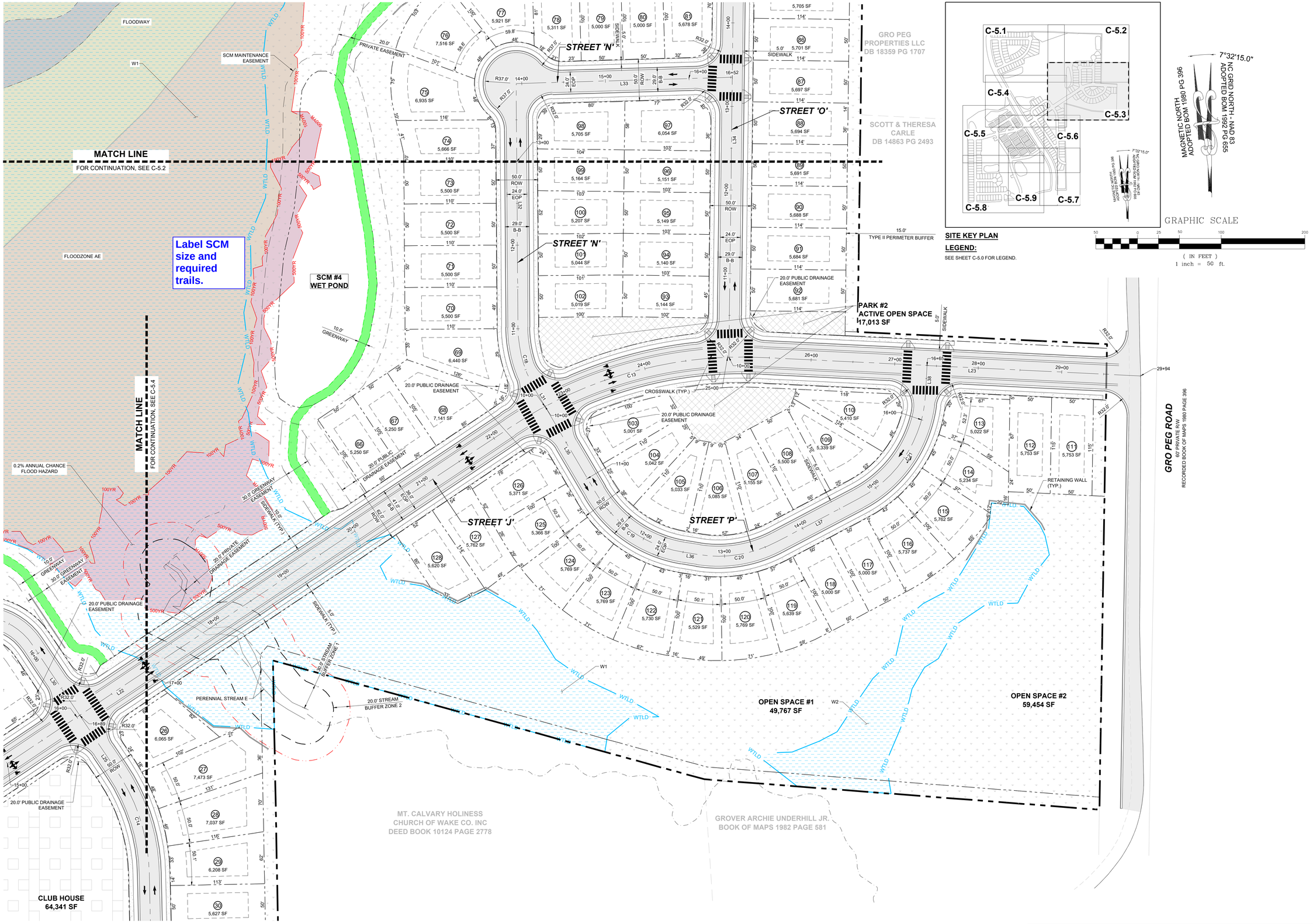
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

PARTIAL SITE PLAN III

DRAWING SHEET

C-5.3

19 OF 57



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PROGRESS PLOT DATE: 12/05/2023

TOWNHOME NOTES:

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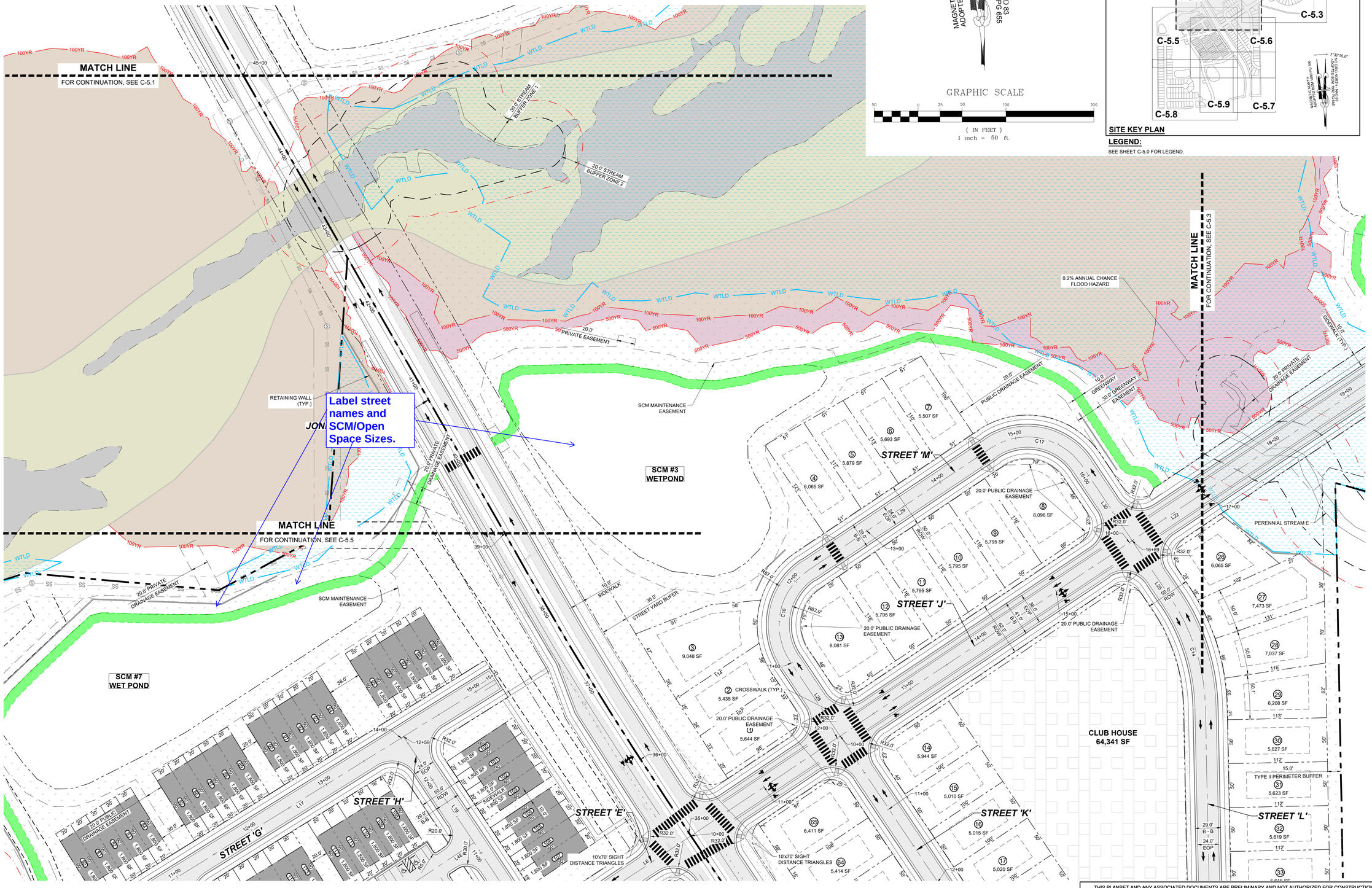

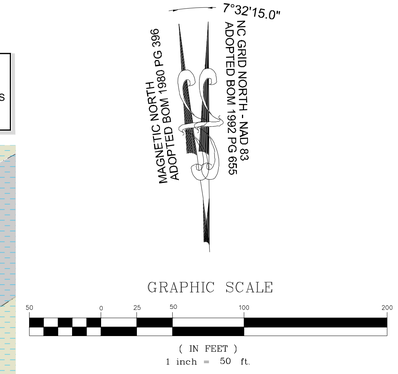

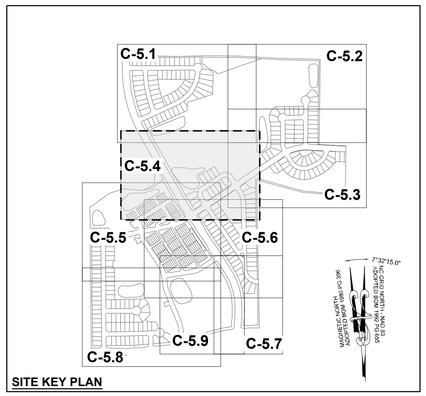

SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND.

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SEAL: NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK

ENGINEERING GROUP

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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN IV

DRAWING SHEET
C-5.4

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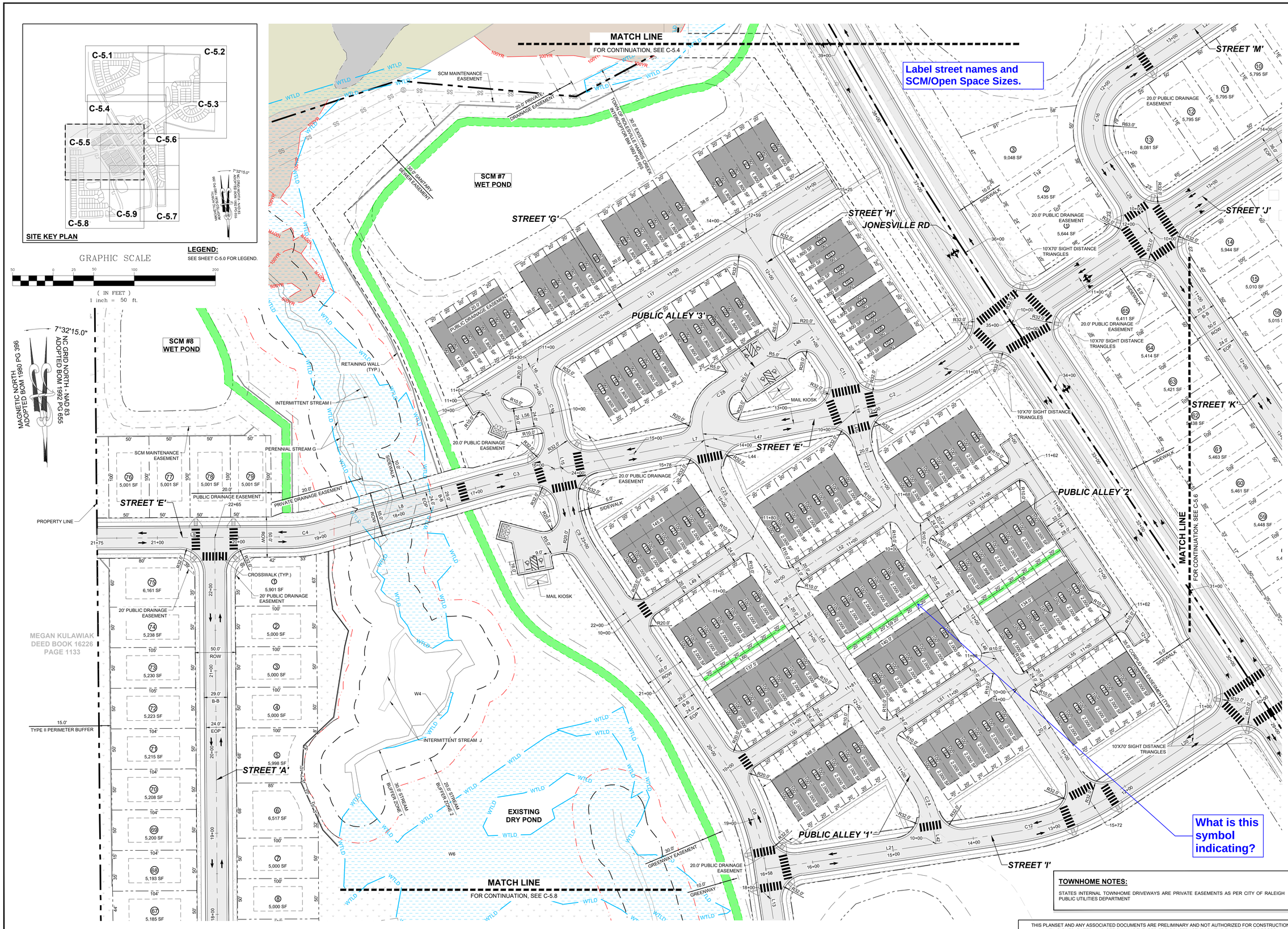
PROGRESS PLOT DATE: 12/05/2023



TOWNHOME NOTES:

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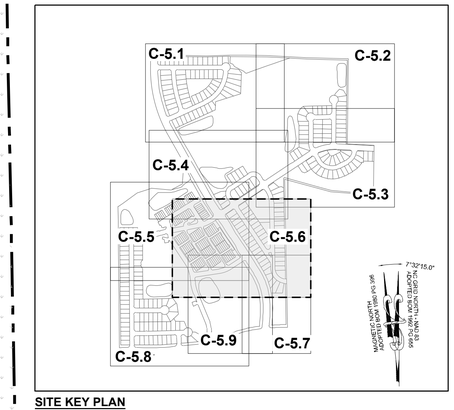
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN V

DRAWING SHEET
C-5.5





SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND.

TOWNHOME NOTES:

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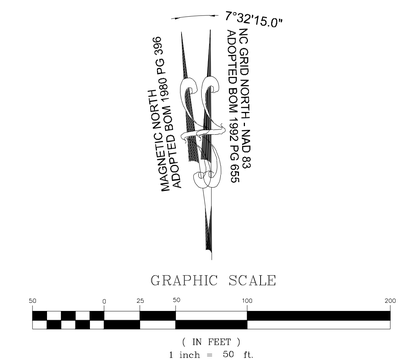

Label street names and SCM/Open Space Sizes.

What is this area adjacent to "Street I" (previously street C)?

No.	REVISIONS	DATE	BY
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STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN VI

DRAWING SHEET
C-5.6

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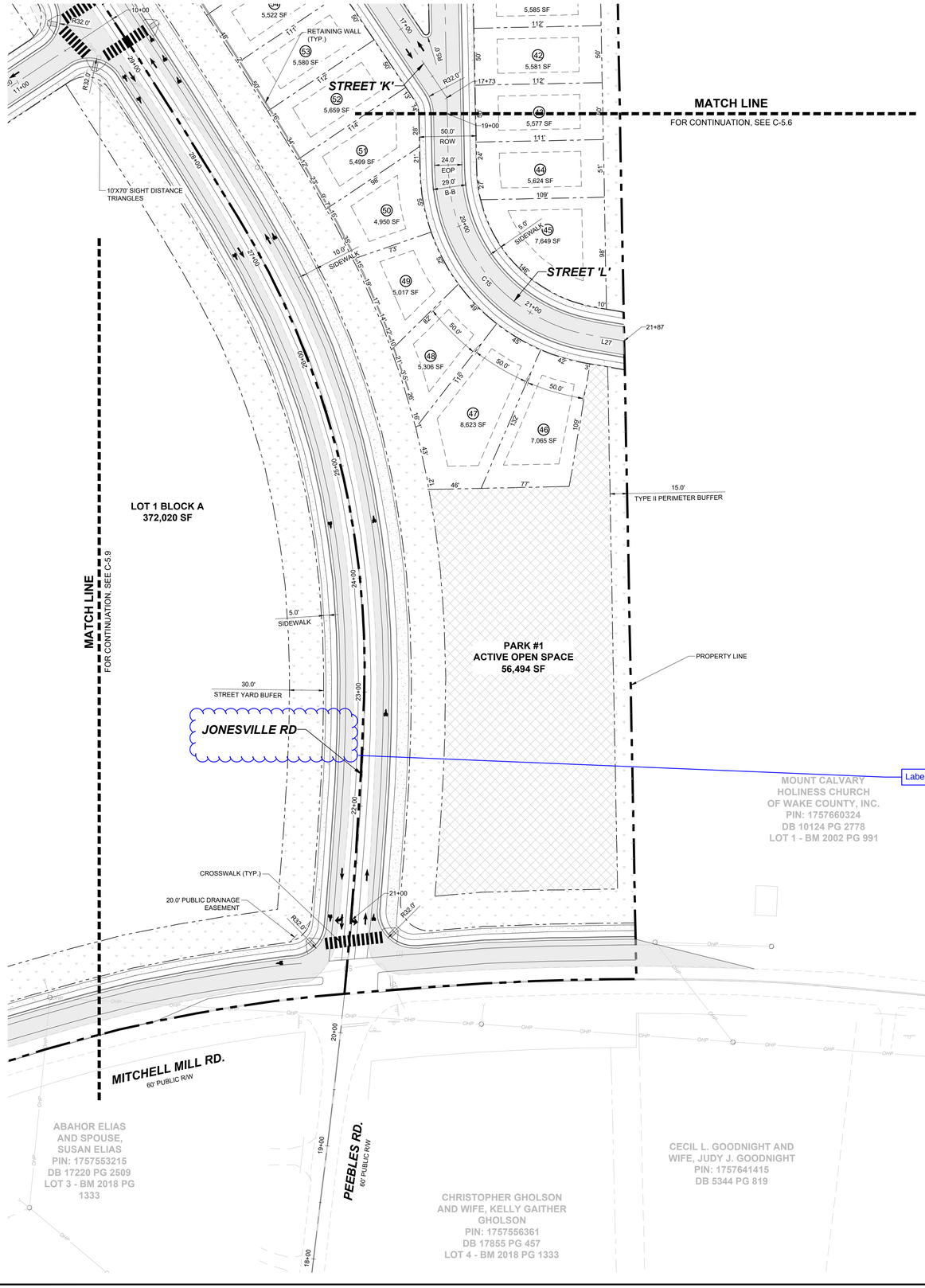
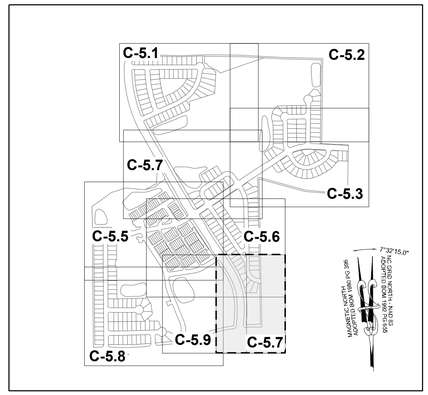
PROGRESS PLOT DATE: 12/05/2023

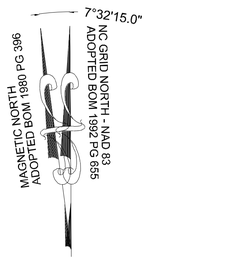




SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN VII

DRAWING SHEET

C-5.7

23 OF 57

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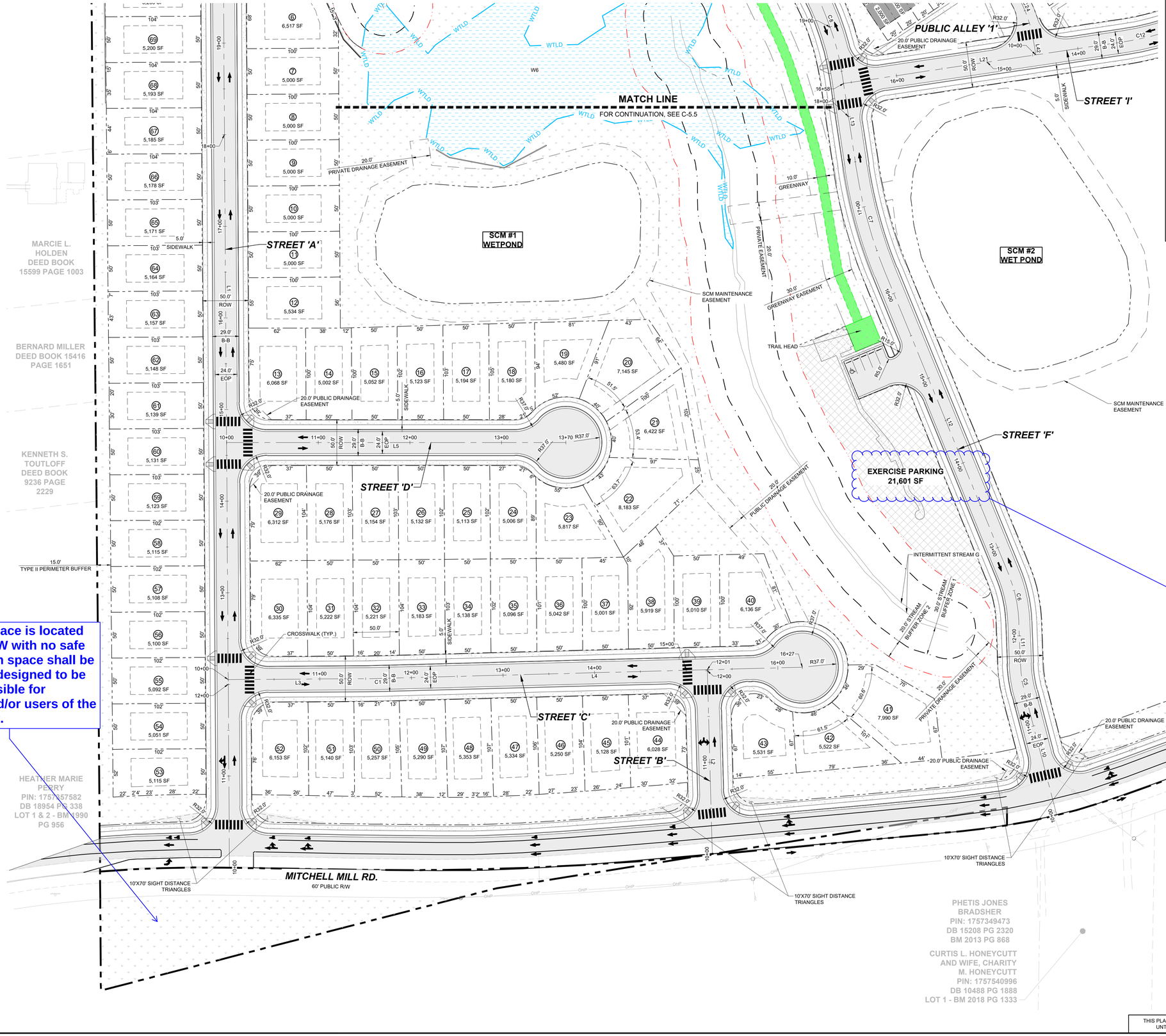
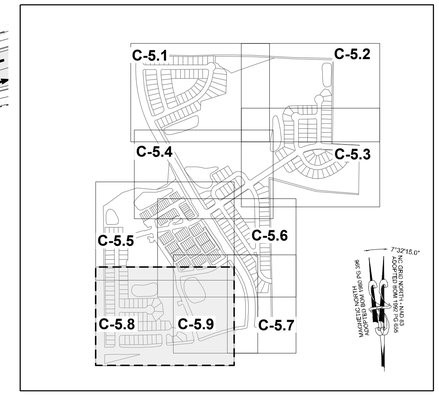
PROGRESS PLOT DATE: 12/05/2023



This open space is located across a ROW with no safe access. Open space shall be located and designed to be easily accessible for residents and/or users of the development.



SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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SCALE	AS SHOWN
DESIGNED BY	JWL
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CHECKED BY	JWL

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL SITE PLAN VIII

DRAWING SHEET

C-5.8

24 OF 57

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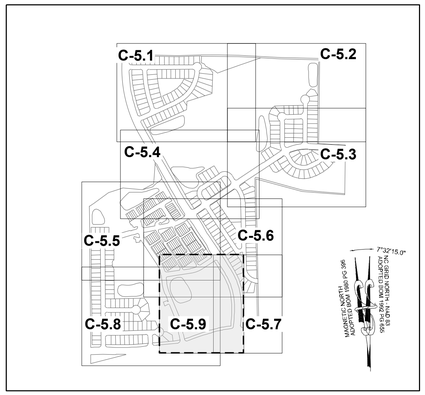

SITE KEY PLAN

LEGEND:

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TOWNHOME NOTES:

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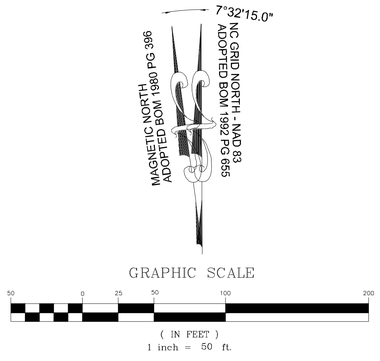

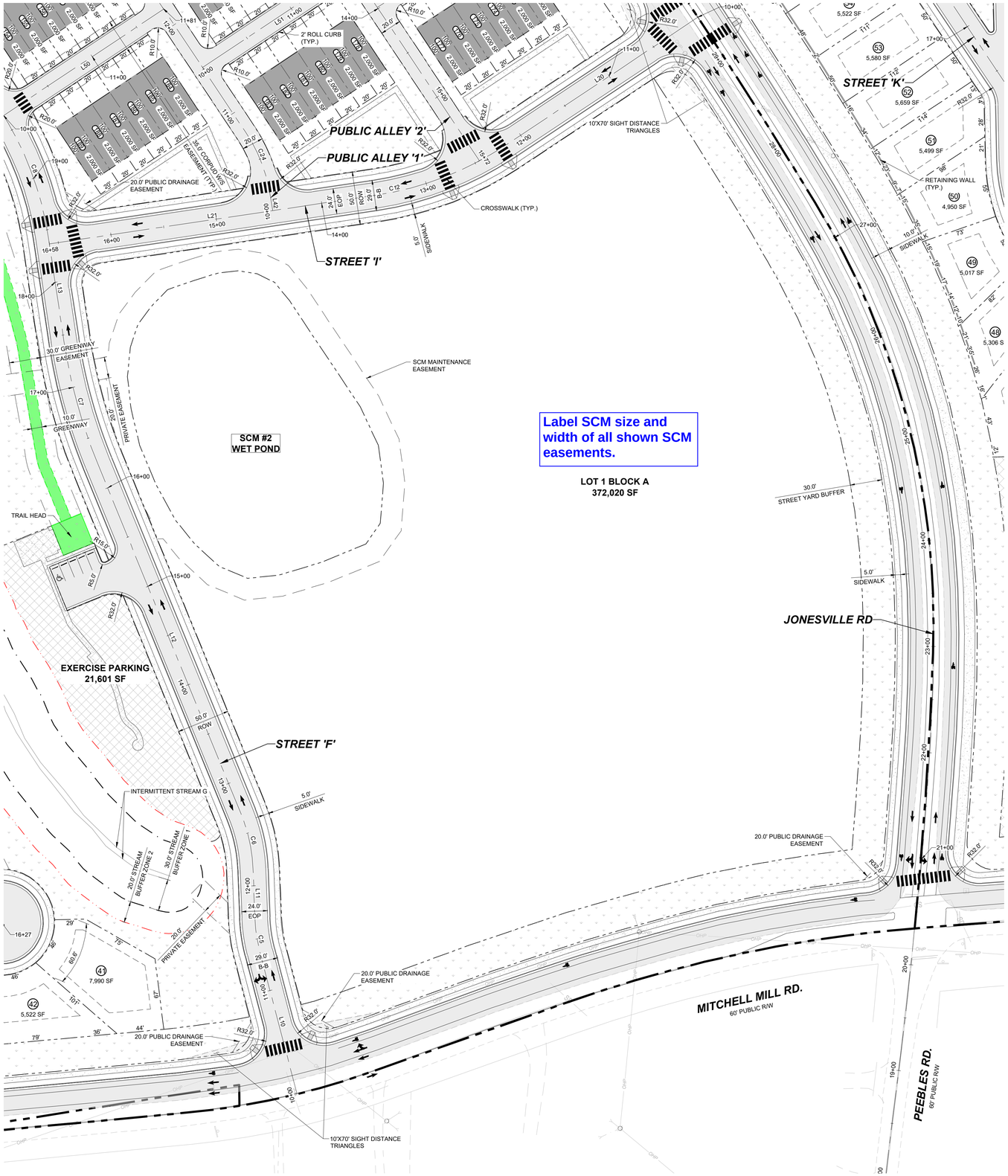

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL SITE PLAN IX

DRAWING SHEET
C-5.9

25 OF 57

UTILITY NOTES

1. ALL UTILITY DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES (CORDPU) STANDARDS AND SPECIFICATIONS. UTILITY DESIGN SHALL ALSO MEET FIRE FLOW REQUIREMENTS OF NCFC.
2. UTILITY SIZES AND LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND ARE SUBJECT TO CHANGE BASED ON FINAL DESIGN AND CONSTRUCTION DRAWING APPROVAL. THIS SHALL INCLUDE BUT NOT LIMITED TO FIRE HYDRANT LOCATIONS.
3. ANY EXISTING WATER AND SEWER LINES TO BE USED AS PART OF THE FINAL DESIGN OF THE PROJECT, SHALL BE LOCATED BY SURVEY, TESTED BY A LICENSED CONTRACTOR AND APPROVED BY THE CITY OF RALEIGH INSPECTOR PRIOR TO SUBMITTAL OF CONSTRUCTION DRAWINGS.
4. AS PART OF CONSTRUCTION DRAWING SUBMITTAL, FIRE FLOW CALCULATIONS SHALL BE PROVIDED SHOWING COMPLIANCE WITH NCFC. PROJECT MAY BE DEVELOPED IN PHASES AND ALL PHASES SHALL BE REQUIRED TO MEET THE MINIMUM REQUIRED FIRE FLOWS PER OCCUPANCY PROPOSED IN EACH PHASE.
5. AN APPROVED WATER SUPPLY FOR FIRE SUPPRESSION (TEMPORARY OR PERMANENT) SHALL BE PROVIDED AS SOON AS COMBUSTIBLE MATERIALS ARRIVE ON SITE.
6. UTILITY CONSTRUCTION APPROVAL IS REQUIRED FOR THIS PROJECT, PLANS TO BE PREPARED BY NC PROFESSIONAL ENGINEER.
7. RIGHT OF WAY AND/OR EASEMENT DEDICATION PLAT IS REQUIRED FOR THIS PROJECT (PRIOR TO CITY ACCEPTANCE OF UTILITIES).
8. ALL NECESSARY WETLAND, RIPARIAN BUFFER AND FLOODPLAIN PERMITS FROM USACE, NCDWQ & FEMA SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
9. PROJECT SHALL EXTEND PUBLIC WATER MAINS ALONG ALL INTERIOR AND ABUTTING RIGHT OF WAYS OF DEVELOPMENT.
10. FIRE HYDRANT ASSEMBLIES SHALL BE INSTALLED AT EVERY INTERSECTION AND AT 500' (RESIDENTIAL) MAX INTERVALS ALONG SITE FRONTAGE.
11. ALL MAINS UP TO 12 INCHES IN SIZE SHALL BE DESIGNED WITH A BLOW-OFF ASSEMBLY THE SAME SIZE AS THE DIAMETER OF THE PIPE.
12. ALL WATER MAINS SHALL BE PRESSURE CLASS OR THICKNESS CLASS DUCTILE IRON PIPE DESIGNED IN ACCORDANCE WITH AWWA STANDARD C-150.
13. PROJECT SHALL EXTEND PUBLIC GRAVITY SEWER TO PERIPHERY OF DEVELOPMENT BASED ON NATURAL TOPOGRAPHY.
14. ALL CITY OF RALEIGH SANITARY SEWER EASEMENTS SHALL BE A MINIMUM OF 30 FEET.
15. THE SANITARY SEWER DESIGN SHALL BE EVALUATED DURING THE CONSTRUCTION DRAWING REVIEW TO ENSURE ADJACENT PROPERTIES HAVE ACCESS TO SANITARY SEWER WHERE FEASIBLE AND IN COMPLIANCE WITH THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT STANDARDS AND SPECIFICATIONS.
16. 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".
17. MAINTAIN APPROPRIATE COVER AND SEPARATION ON UTILITIES AND LABEL IN PROFILES; ANY UTILITY CROSSINGS ARE SUBJECT TO MINIMUM REQUIREMENTS.
18. CONSTRUCTION APPROVAL WILL BE REQUIRED FOR ANY EXTENSIONS OF PUBLIC WATER OR SEWER MAINS.
19. PLAT RECORDATION REQUIRED AFTER CONSTRUCTION APPROVAL PRIOR TO BUILDING PERMIT.
20. DOT ENCROACHMENT AGREEMENT REQUIRED.
21. PRIVATE WATER SERVICES SIZED 3/4" - 2" SHOULD BE TYPE "K" SOFT COPPER AND IN ACCORDANCE WITH PU HANDBOOK, APP. B, STANDARD WATER DETAIL W-23 AND W-25. IF WATER METERS CANNOT BE LOCATED WITHIN THE RIGHT-OF-WAY THEY MUST BE WITHIN RECORDED "CITY OF RALEIGH WATERLINE EASEMENTS.

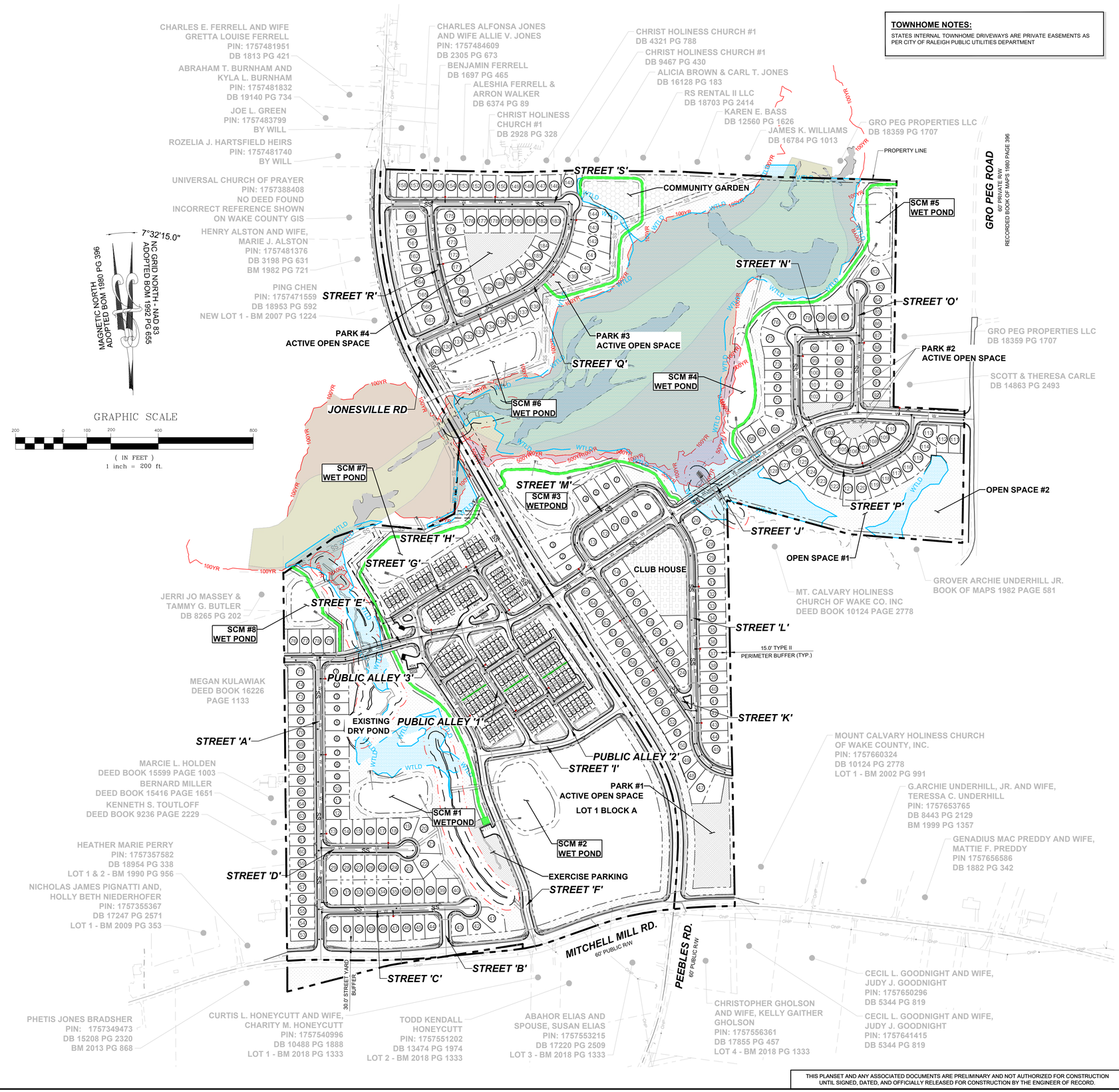
CORPUD STANDARD UTILITY NOTES:

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, 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, PVC 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 PVC 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 PVC 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 FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
6. 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 ¾" 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 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.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

LEGEND:

- W — WATER LINE
- SS — SANITARY SEWER LINE
- WATER METER / SERVICE
- SANITARY CLEANOUT / SERVICE
- FIRE HYDRANT ASSEMBLY
- GATE VALVE
- TEE
- BLOW OFF VALVE
- SANITARY MANHOLE



TOWNHOME NOTES:

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN
OVERALL UTILITY PLAN

DRAWING SHEET
C-6.0

PROGRESS PLOT DATE: 12/05/2023

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES PIN: 1757484609 DB 2305 PG 673

BENJAMIN FERRELL DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER DB 6374 PG 89

15.0' TYPE II PERIMETER BUFFER

CHRIST HOLINESS CHURCH #1 DB 2928 PG 328

CHRIST HOLINESS CHURCH #1 DB 4321 PG 788

CHRIST HOLINESS CHURCH #1 DB 9467 PG 430

ALICIA BROWN & CARL T. JONES DB 16128 PG 183

RS RENTAL II LLC DB 18703 PG 2414

KAREN E. BASS DB 12560 PG 1626

PROPERTY LINE

HENRY ALSTON AND WIFE, MARIE J. ALSTON PIN: 1757481376 DB 3198 PG 631 BM 1982 PG 721

PING CHEN PIN: 1757471559 DB 18953 PG 592 NEW LOT 1 - BM 2007 PG 1224

JONESVILLE RD

30.00' STREET YARD BUFFER

30.00' SANITARY SEWER EASEMENT

STREET 'S'

STREET 'R'

STREET 'Q'

PARK #4 ACTIVE OPEN SPACE

PARK #3 ACTIVE OPEN SPACE

SCM #6 WET POND

COMMUNITY GARDEN

10.0' GREENWAY

30.0' GREENWAY EASEMENT

TOWN OF ROLESVILLE INTERCEPTOR EASEMENT 30.0' EXISTING HARRIS CREEK BM 1982 PG 655

SWAMP/MARSH HARRIS CREEK

FOOD ZONE AE

3/4" WATER METER & SERVICE (TYP.)

4" SANITARY SEWER C/O & SERVICE (TYP.)

8" BLOW OFF ASSEMBLY

8"x8" TEE W / (3) 8" GV

FHA W/T 5'X5' CORWLE

8" 45° BEND

8" DIP W/L

SSMH #01 SSMH #02 SSMH #03 SSMH #04 SSMH #05 SSMH #06 SSMH #07 SSMH #08 SSMH #09 SSMH #10 SSMH #11 SSMH #12 SSMH #13 SSMH #14 SSMH #15

EX. SSMH #02 EX. SSMH #03 EX. SSMH #04 EX. SSMH #05 EX. SSMH #06 EX. SSMH #07 EX. SSMH #08

EX. P #01 EX. P #03 EX. P #04 EX. P #05 EX. P #06 EX. P #07 EX. P #08

W1

WTLD 100YR

MATCH LINE
FOR CONTINUATION, SEE C-6.2

MATCH LINE
FOR CONTINUATION, SEE C-6.4

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

7°32'15.0" NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN

C-6.1 C-6.2 C-6.3 C-6.4 C-6.5 C-6.6 C-6.7 C-6.8 C-6.9

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
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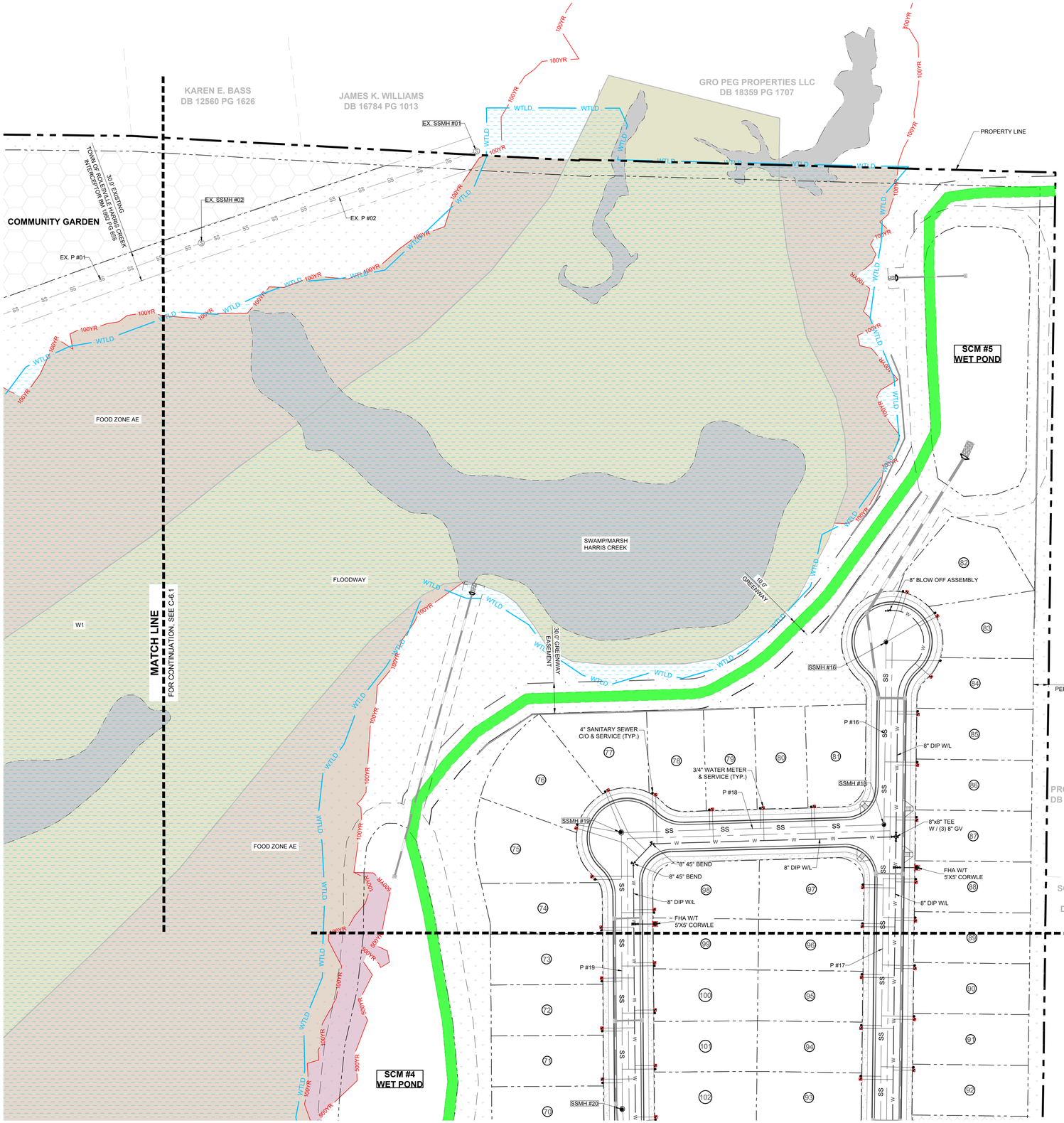
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

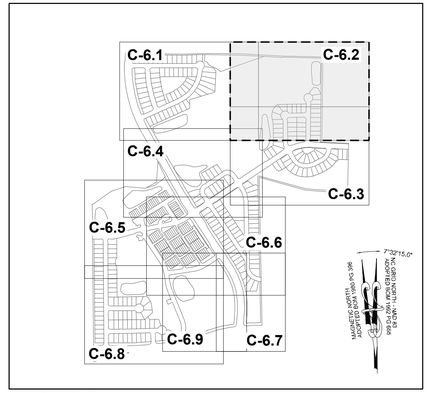
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN I

DRAWING SHEET
C-6.1

27 OF 57

PROGRESS PLOT DATE: 12/05/2023

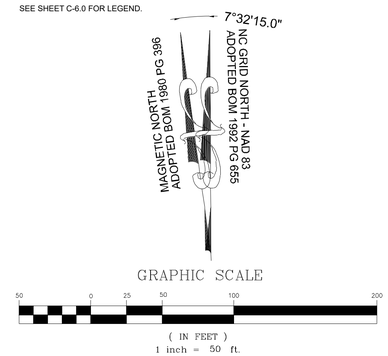




SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.



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SEAL:

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STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL UTILITY PLAN II

DRAWING SHEET

C-6.2

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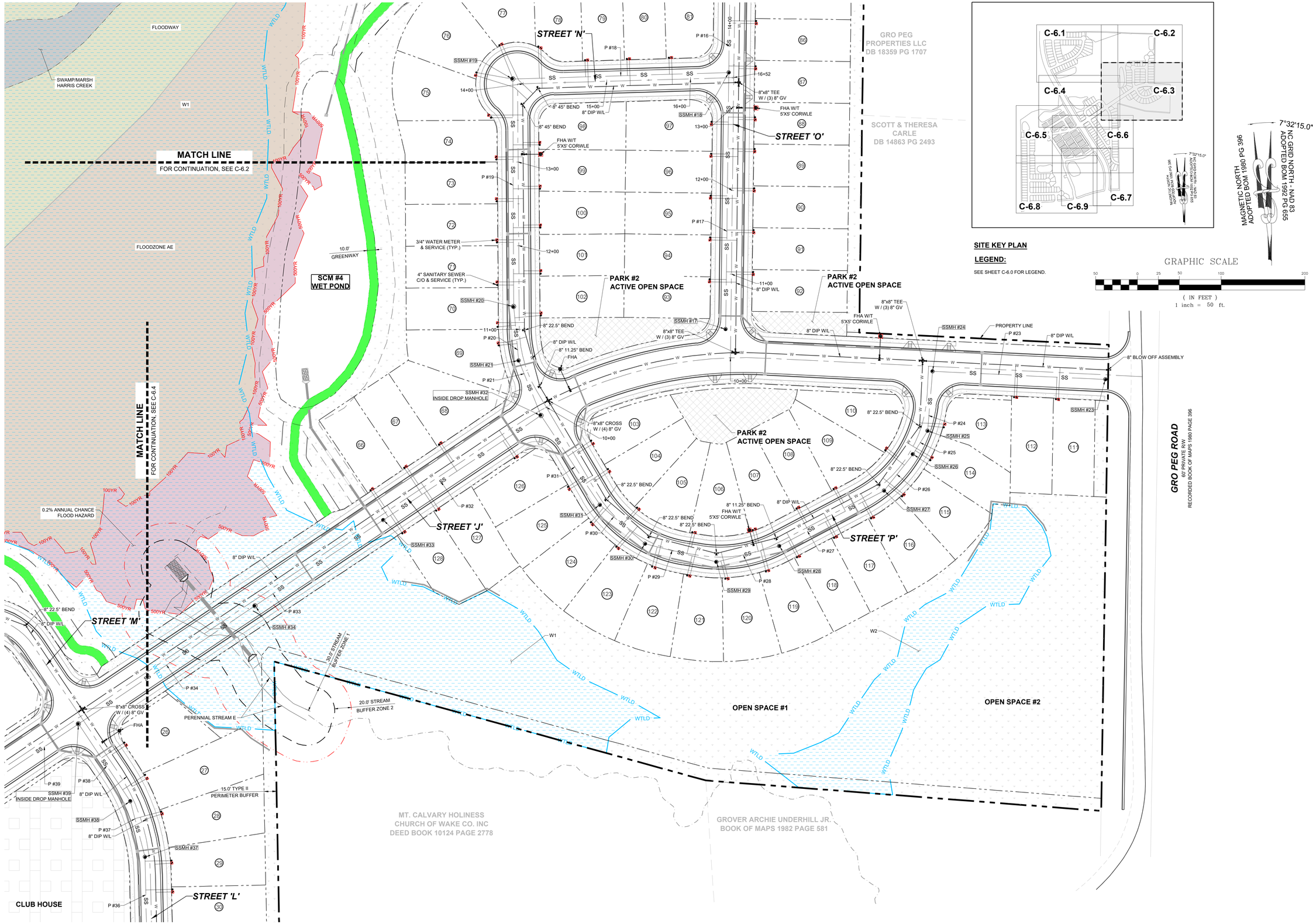
PROGRESS PLOT DATE: 12/05/2023



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SEAL

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NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL UTILITY PLAN III

DRAWING SHEET

C-6.3

29 OF 57

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PROGRESS PLOT DATE: 12/05/2023

TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

7°32'15.0" NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

C-6.1 C-6.2 C-6.3 C-6.4 C-6.5 C-6.6 C-6.7 C-6.8 C-6.9

MATCH LINE
FOR CONTINUATION, SEE C-6.1

MATCH LINE
FOR CONTINUATION, SEE C-6.5

MATCH LINE
FOR CONTINUATION, SEE C-6.3

FLOODZONE AE

FLOODWAY

SWAMP/MARSH HARRIS CREEK

PERENNIAL STREAM E

30.0' STREAM BUFFER ZONE 1

20.3' STREAM BUFFER ZONE 2

W1

W2

BRIDGE

PROPERTY LINE

30.0' SANITARY SEWER EASEMENT

30.0' GREENWAY EASEMENT

10.0' GREENWAY

0.2% ANNUAL CHANCE FLOOD HAZARD

SCM #3 WETPOND

SCM #7 WET POND

JONESVILLE RD

STREET 'G'

STREET 'H'

STREET 'J'

STREET 'K'

STREET 'L'

STREET 'M'

CLUB HOUSE

15.0' TYPE II PERIMETER BUFFER

4" SANITARY SEWER C/O & SERVICE (TYP.)

3/4" WATER METER & SERVICE (TYP.)

8" BLOW OFF ASSEMBLY

8"x8" TEE W / (3) 8" GV

8"x8" CROSS W / (4) 8" GV

FHA W/T 5'X5' CORWLE

FHA

8" DIP W/L

8" 22.5° BEND

8" 11.25° BEND

SSMH #39 INSIDE DROP MANHOLE

SSMH #49 INSIDE DROP MANHOLE

EX. SSMH #07 EX. SSMH #08 EX. SSMH #09 EX. SSMH #10 EX. SSMH #11 EX. SSMH #12 EX. SSMH #13 SSMH #34 SSMH #37 SSMH #38 SSMH #40 SSMH #41 SSMH #50 SSMH #51 SSMH #65 SSMH #66 SSMH #80 SSMH #82 SSMH #86

EX. P #06 EX. P #07 EX. P #08 EX. P #09 EX. P #10 EX. P #11 EX. P #12 EX. P #13 P #15 P #33 P #34 P #36 P #37 P #38 P #39 P #41 P #42 P #43 P #50 P #51 P #52 P #53 P #67 P #68 P #69 P #84 P #85 P #86 P #87

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SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK PROJECT PSP-23-03	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-6.4

30 OF 57

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PROGRESS PLOT DATE: 12/05/2023

TOWNHOME NOTES:

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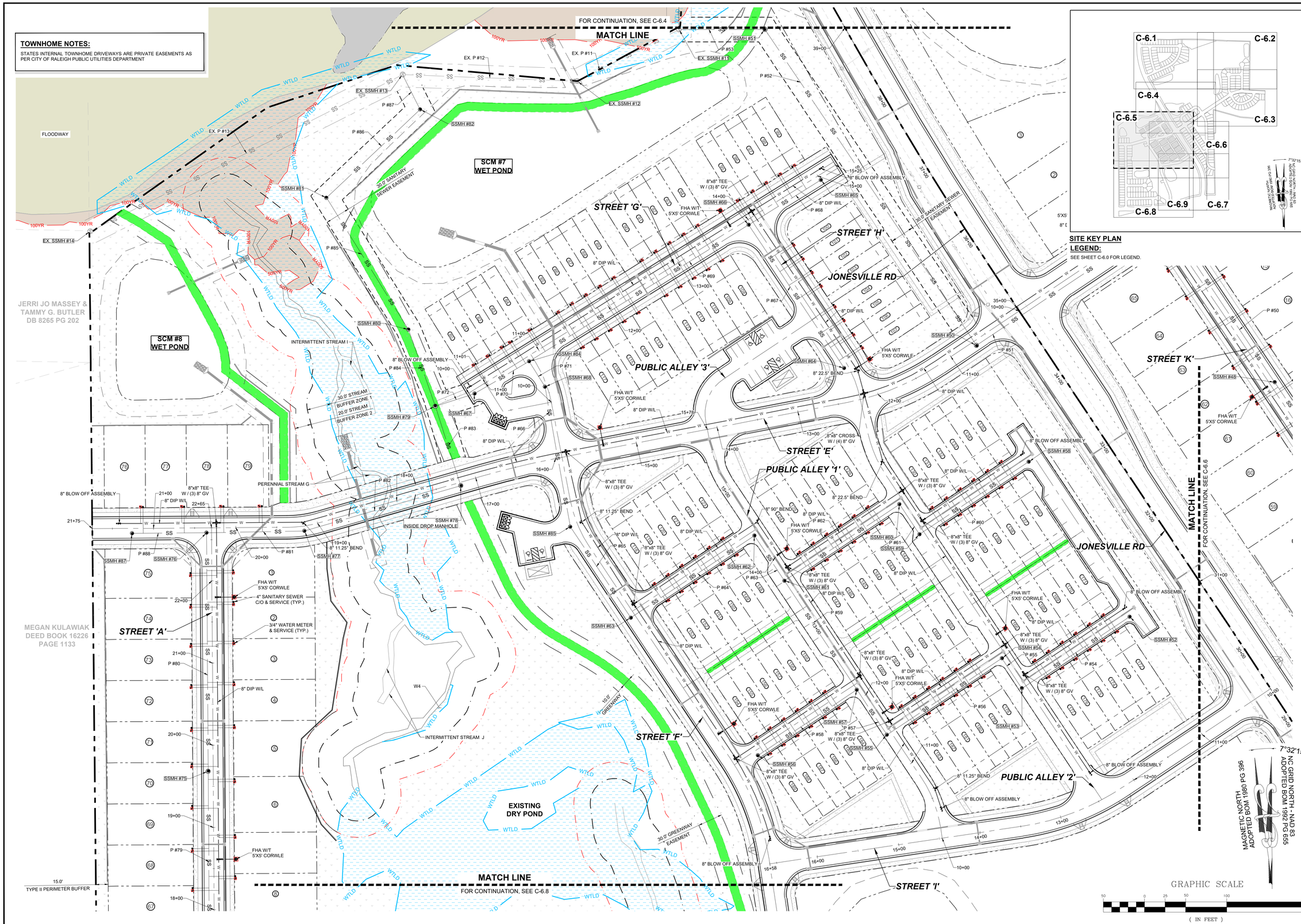

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

No.	REVISIONS	DATE	BY
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SEAL: NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL UTILITY PLAN V

DRAWING SHEET

C-6.5

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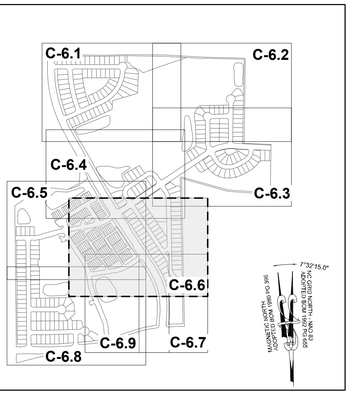
PROGRESS PLOT DATE: 12/05/2023

STREET 'G'
STREET 'H'
JONESVILLE RD
PUBLIC ALLEY '3'
STREET 'E'
PUBLIC ALLEY '1'
STREET 'F'
STREET 'I'
PUBLIC ALLEY '2'
STREET 'K'
STREET 'L'
CLUB HOUSE
SCM #2
WET POND
LOT 1 BLOCK A
MATCH LINE
FOR CONTINUATION, SEE C-6.5
MATCH LINE
FOR CONTINUATION, SEE C-6.7
30.0' SANITARY SEWER EASEMENT
30.0' GREENWAY EASEMENT
10.0' GREENWAY
15.0'
TYPE II PERIMETER BUFFER



TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

SITE KEY PLAN

LEGEND:

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GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

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SEAL
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STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

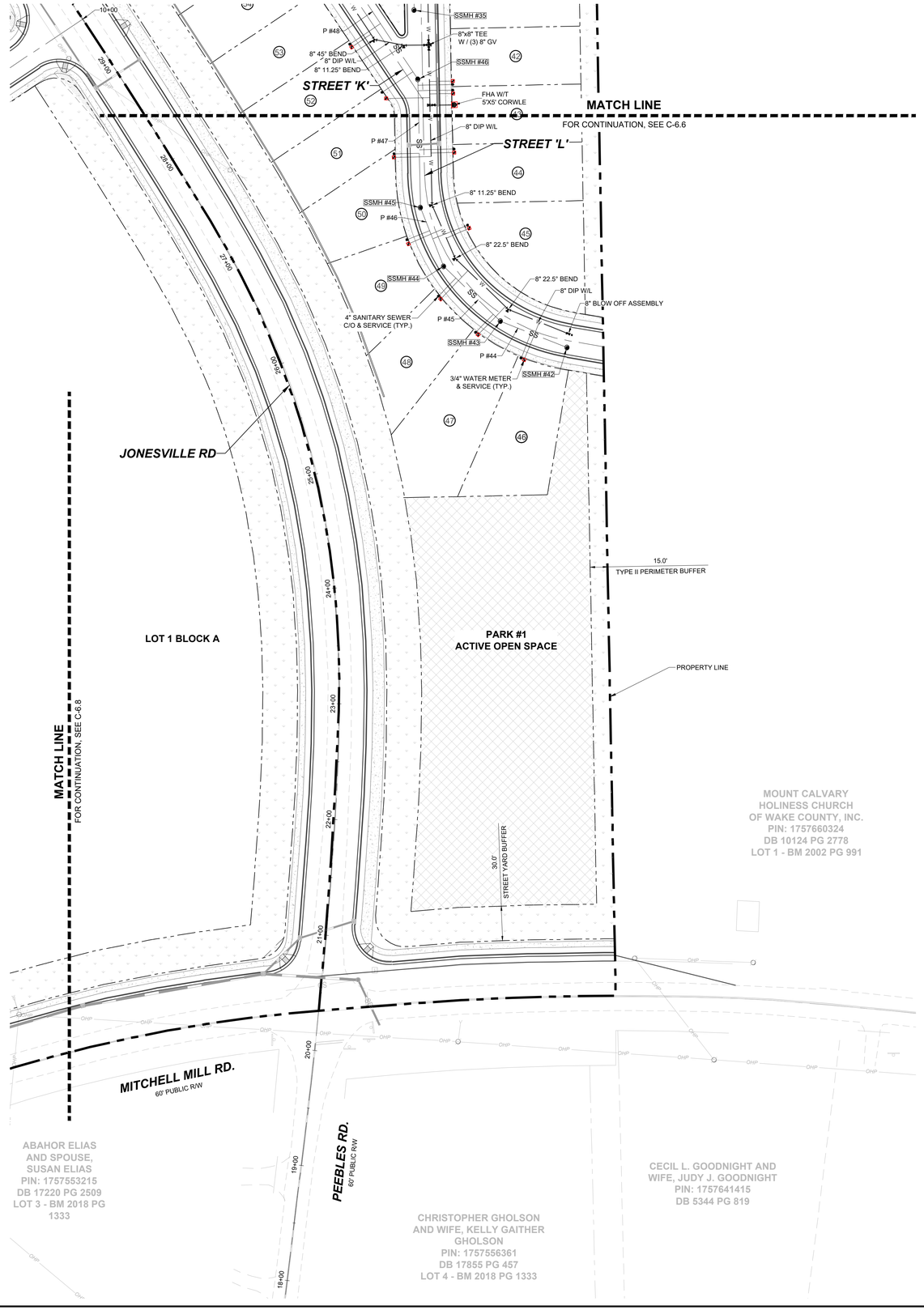
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

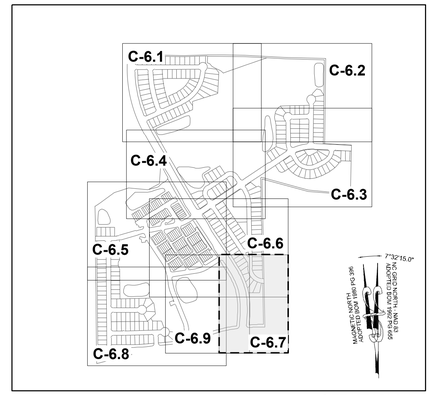
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN VI

DRAWING SHEET
C-6.6

32 OF 57

PROGRESS PLOT DATE: 12/05/2023

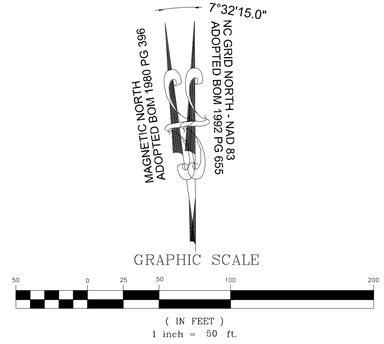




SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN VII

DRAWING SHEET

C-6.7

33 OF 57

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PROGRESS PLOT DATE: 12/05/2023

MATCH LINE
FOR CONTINUATION, SEE C-6.5

STREET 'A'
STREET 'B'
STREET 'C'
STREET 'D'
STREET 'F'
STREET 'I'
MITCHELL MILL RD.
60' PUBLIC R/W

SCM #1
WETPOND

SCM #2
WET POND

EXERCISE PARKING

10.0'
GREENWAY

30.0' GREENWAY
EASEMENT

15.0'
TYPE II PERIMETER BUFFER

30.0'
STREET YARD BUFFER

INTERMITTENT STREAM G

30.0' STREAM
BUFFER ZONE 1

20.0' STREAM
BUFFER ZONE 2

W6

WTLD

FHA W/T
5'X5' CORWLE

FHA

8" DIP W/L

8" BLOW OFF ASSEMBLY

3/4" WATER METER
& SERVICE (TYP.)

4" SANITARY SEWER
C/O & SERVICE (TYP.)

8"x8" TEE
W / (3) 8" GV

P #72
P #73
P #74
P #75
P #76
P #77
P #78
P #79

SSMH #71
SSMH #72
SSMH #73
SSMH #74
SSMH #69
SSMH #70
SSMH #83
INSIDE DROP MANHOLE

16+58
16+00
15+00
10+00
14+00

MARCIE L.
HOLDEN
DEED BOOK
15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416
PAGE 1651

KENNETH S.
TOUTLOFF
DEED BOOK
9236 PAGE
2229

HEATHER MARIE
PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990
PG 956

ABAHOR ELIAS
AND SPOUSE,
SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG
1333

PHETIS JONES
BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT
AND WIFE, CHARITY
M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL
HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018
PG 1333

C-6.1 C-6.2 C-6.3 C-6.4 C-6.5 C-6.6 C-6.7 C-6.8 C-6.9

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN VIII

DRAWING
SHEET
C-6.8

34 OF 57

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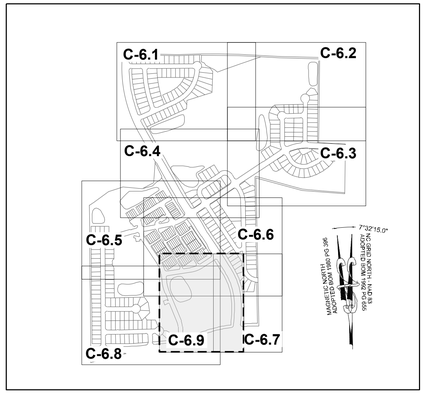


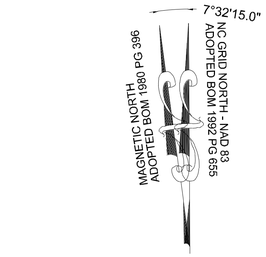
SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

TOWNHOME NOTES:

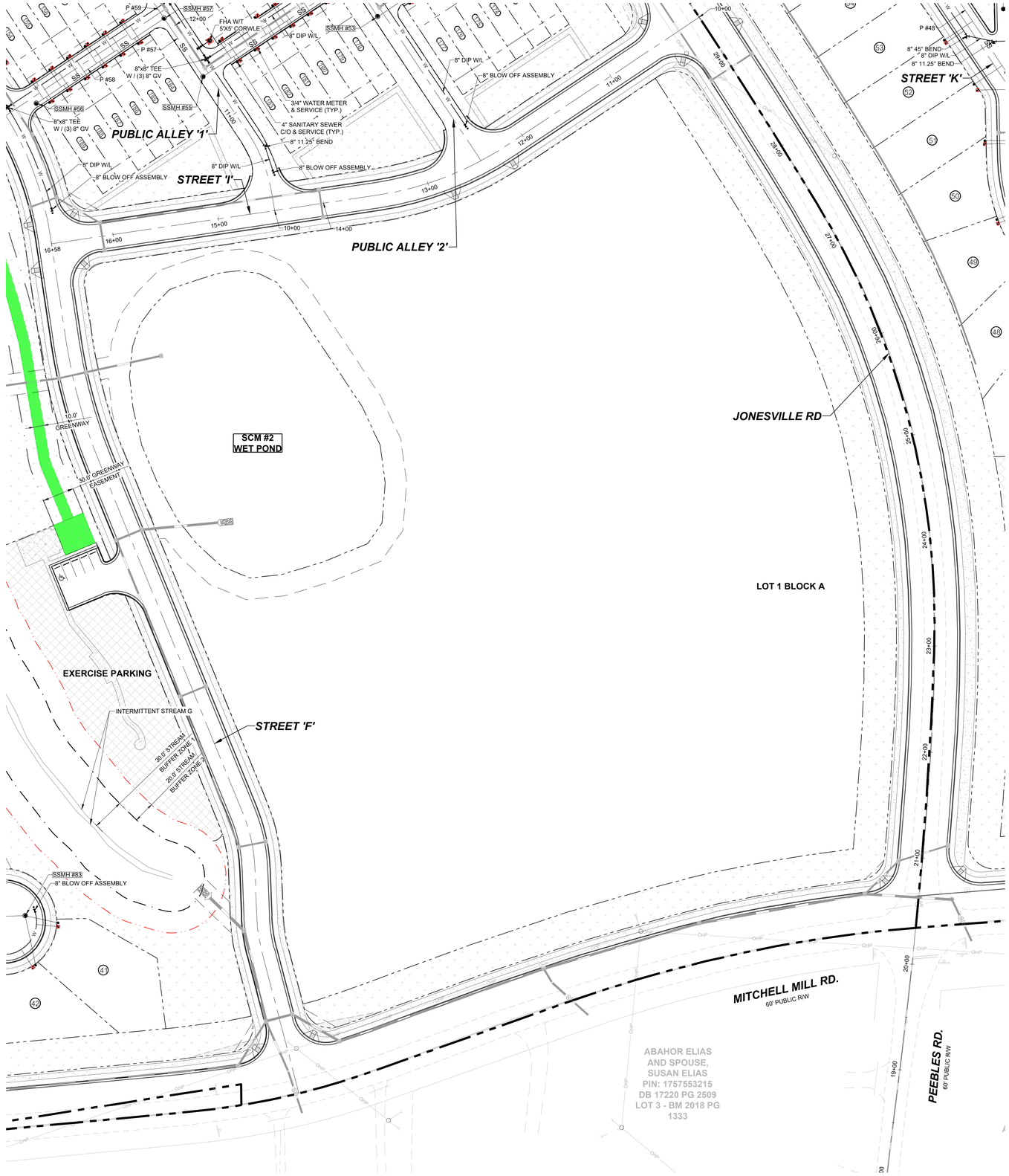
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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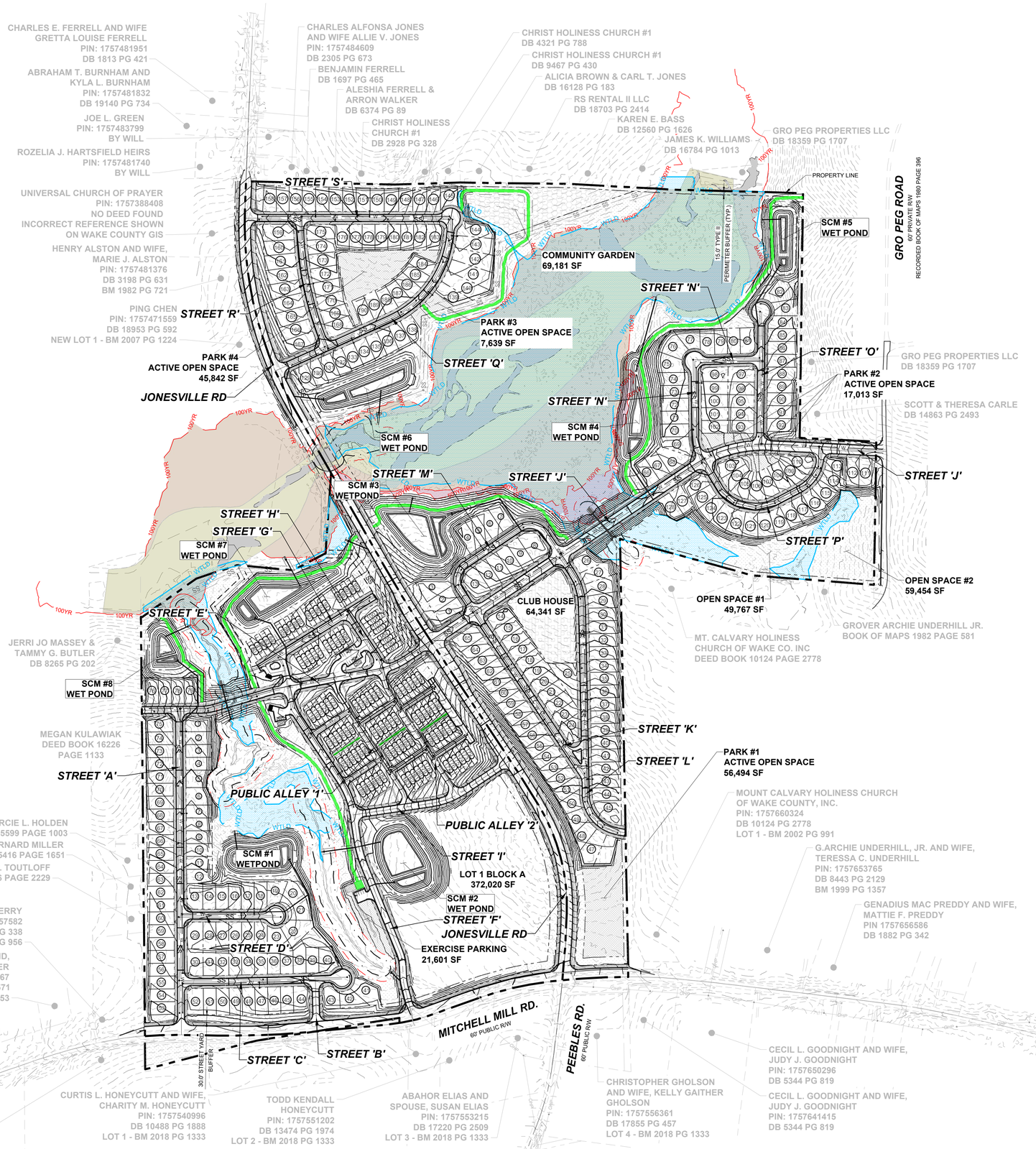
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN IX

DRAWING SHEET
C-6.9

35 OF 57

PROGRESS PLOT DATE: 12/05/2023

Label existing vegetation to be preserved.
Label TPF.
Label critical root zones.

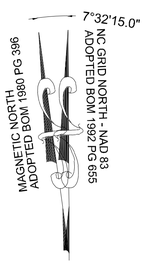


TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

LEGEND:

- STORM DRAIN LINE
- FLARED END SECTION
- CATCH BASIN
- STORM DRAIN MANHOLE
- 240 EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- 240 PROP. MAJOR CONTOURS
- PROP. MINOR CONTOURS



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

OVERALL GRADING AND DRAINAGE PLAN

DRAWING SHEET

C-7.0

36 OF 57

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PROGRESS PLOT DATE: 12/05/2023

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES PIN: 1757484609 DB 2305 PG 673

BENJAMIN FERRELL DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER DB 6374 PG 89

15.00' TYPE II PERIMETER BUFFER

CHRIST HOLINESS CHURCH #1 DB 2928 PG 328

CHRIST HOLINESS CHURCH #1 DB 4321 PG 788

CHRIST HOLINESS CHURCH #1 DB 9467 PG 430

ALICIA BROWN & CARL T. JONES DB 16128 PG 183

PROPERTY LINE

RS RENTAL II LLC DB 18703 PG 2414

KAREN E. BASS DB 12560 PG 1626

STREET 'S'

STREET 'R'

STREET 'Q'

JONESVILLE RD

COMMUNITY GARDEN
69181.15 SF
1.59 AC

PARK #4
ACTIVE OPEN SPACE
45,842 SF

PARK #3
ACTIVE OPEN SPACE
7,639 SF

SCM #6
WET POND
TOP: 240.00
WSE: 234.00
BOT: 230.00

HENRY ALSTON AND WIFE, MARIE J. ALSTON PIN: 1757481376 DB 3198 PG 631 BM 1982 PG 721

PING CHEN PIN: 1757471559 DB 18953 PG 592 NEW LOT 1 - BM 2007 PG 1224

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.00' PRIVATE DRAINAGE EASEMENT

SCM MAINTENANCE EASEMENT

SWAMP/MARSH HARRIS CREEK

EMERGENCY SPILLWAY: 239.00

30.00' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655

FLOODZONE AE

MATCH LINE
FOR CONTINUATION, SEE C-7.2

MATCH LINE
FOR CONTINUATION, SEE C-7.4

TW: 248.01 BW: 247.32

TW: 252.59 BW: 244.03

TW: 251.48 BW: 244.00

TW: 251.14 BW: 242.57

TW: 249.61 BW: 245.28

TW: 248.00 BW: 247.51

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

7°32'15.0" NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

C-7.1 C-7.2 C-7.3 C-7.4 C-7.5 C-7.6 C-7.7 C-7.8 C-7.9

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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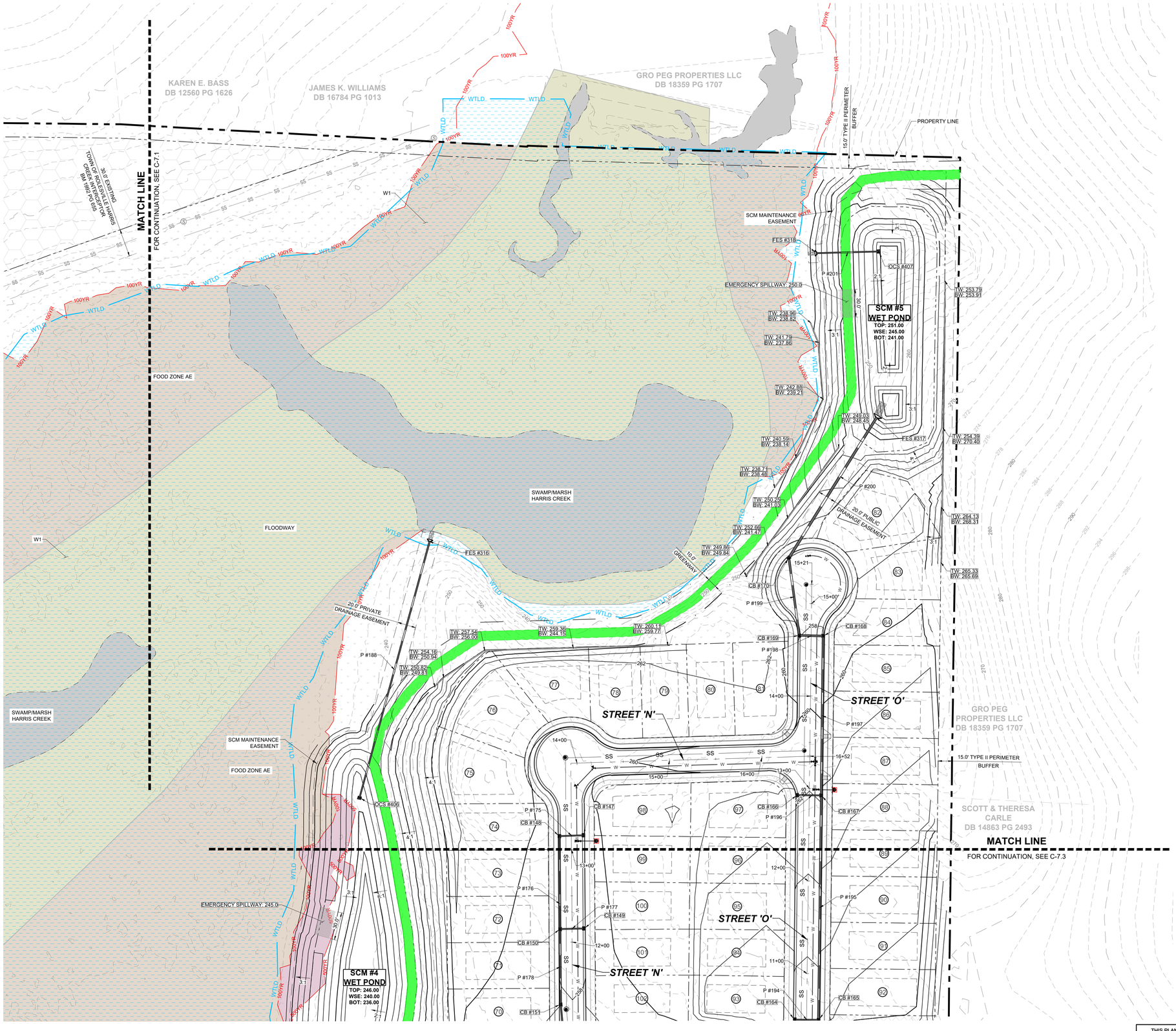
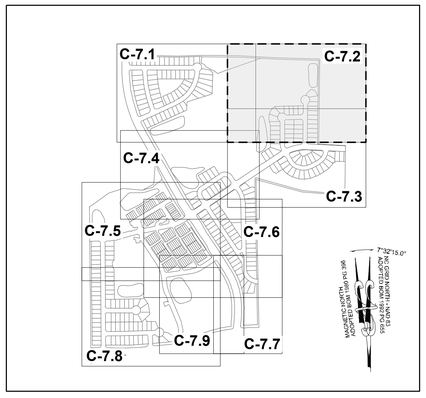
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL GRADING AND DRAINAGE PLAN I

DRAWING SHEET
C-7.1

37 OF 57

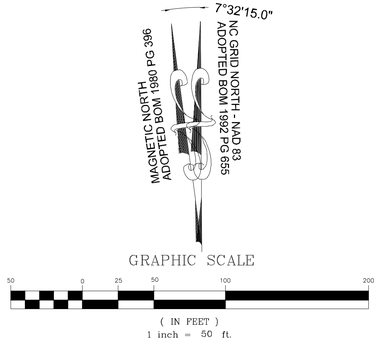




SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



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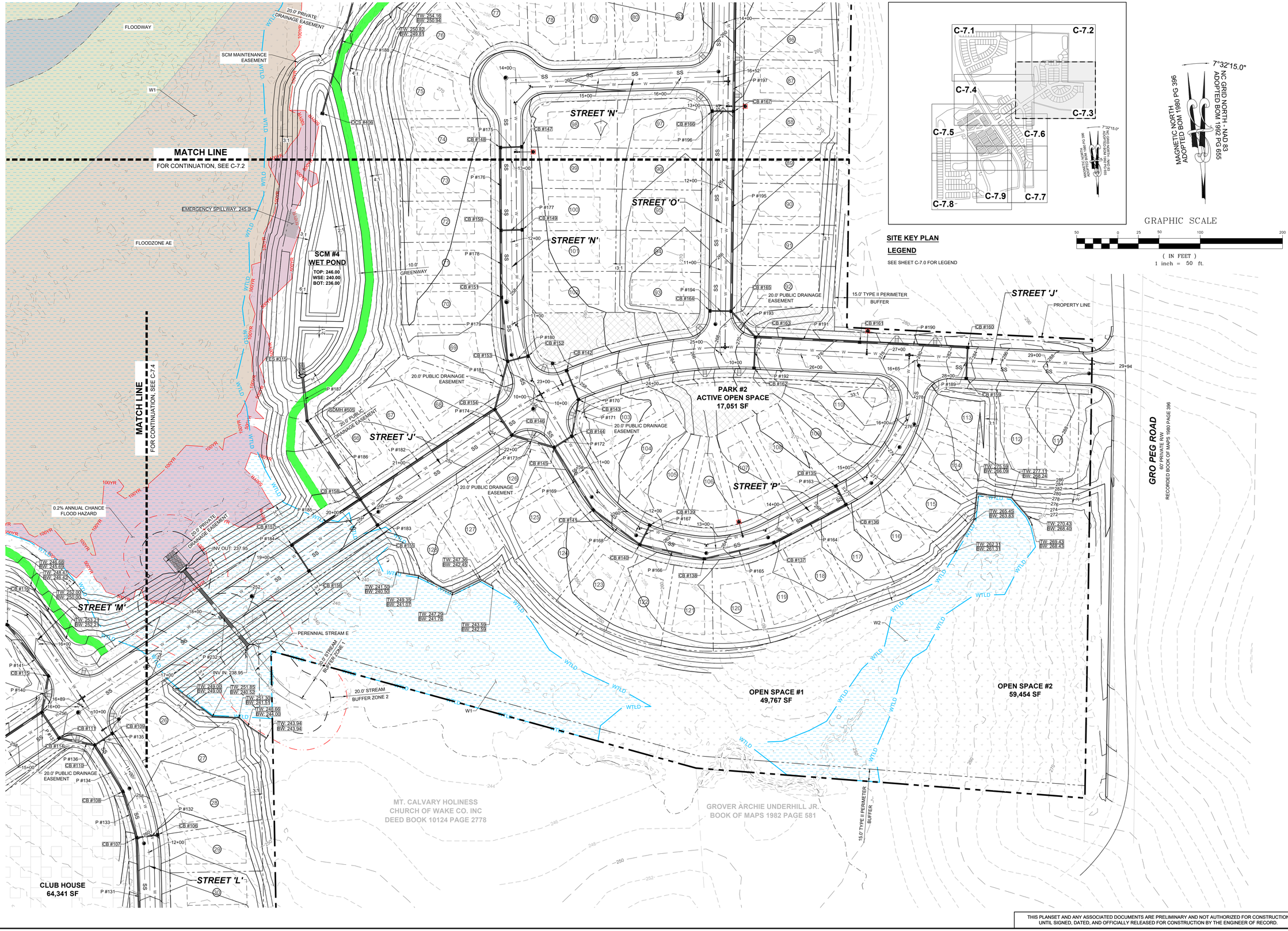
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN
PARTIAL GRADING AND DRAINAGE PLAN II

DRAWING SHEET
C-7.2

PROGRESS PLOT DATE: 12/05/2023



SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL GRADING AND DRAINAGE PLAN III

DRAWING SHEET

C-7.3

39 OF 57

PROGRESS PLOT DATE: 12/05/2023

TOWNHOME NOTES:

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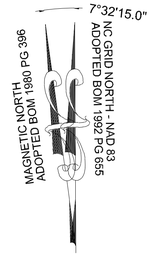

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50 0 25 50 100 200

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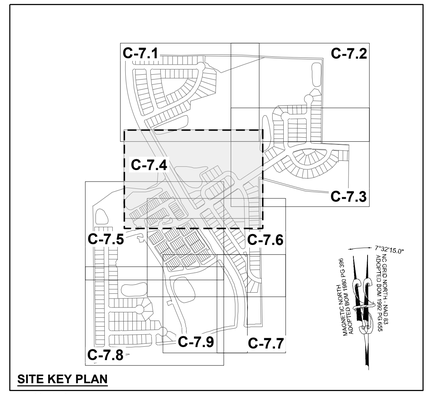

SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

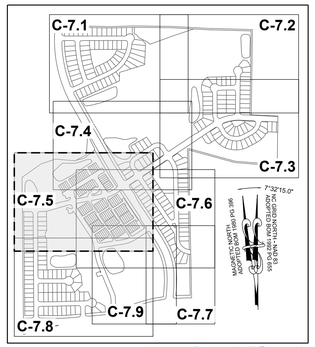
PARTIAL GRADING AND DRAINAGE PLAN IV

DRAWING SHEET

C-7.4

40 OF 57

PROGRESS PLOT DATE: 12/05/2023



SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

TOWNHOME NOTES:

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MATCH LINE
FOR CONTINUATION, SEE C-7.4

SCM #7
WET POND
TOP: 246.00
WSE: 240.00
BOT: 235.00

SCM #8
WET POND
TOP: 246.00
WSE: 240.00
BOT: 236.00

JERRI JO MASSEY & TAMMY G. BUTLER DB 8265 PG 202

MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

STREET 'A'
STREET 'E'
STREET 'G'
STREET 'H'
STREET 'M'
JONESVILLE RD
STREET 'J'
STREET 'K'
STREET 'I'
PUBLIC ALLEY '1'
PUBLIC ALLEY '2'

EXISTING DRY POND

SCM MAINTENANCE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

30.0' STREAM BUFFER ZONE 1

20.0' STREAM BUFFER ZONE 2

EMERGENCY SPILLWAY: 245.0

INTERMITTENT STREAM I

INTERMITTENT STREAM J

INV OUT: 238.73

INV IN: 241.56

MATCH LINE
FOR CONTINUATION, SEE C-7.8

MATCH LINE
FOR CONTINUATION, SEE C-7.6

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL GRADING AND DRAINAGE PLAN V

DRAWING SHEET
C-7.5

41 OF 57

PROGRESS PLOT DATE: 12/05/2023

CLUB HOUSE
64,341 SF
1.48 AC

STREET 'G'
STREET 'H'
STREET 'E'
STREET 'J'
STREET 'K'
STREET 'L'
STREET 'F'
STREET 'I'
JONESVILLE RD
PUBLIC ALLEY '1'
PUBLIC ALLEY '2'

20.0' PUBLIC DRAINAGE EASEMENT

30.0' STREET YARD BUFFER

SCM #2
WET POND
TOP: 270.00
WSE: 264.00
BOT: 260.00

SCM MAINTENANCE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-7.5

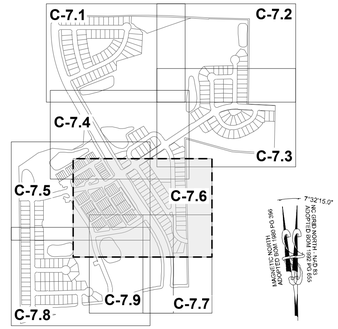
MATCH LINE
FOR CONTINUATION, SEE C-7.8

MATCH LINE
FOR CONTINUATION, SEE C-7.7

15.0'
TYPE II PERIMETER BUFER

TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

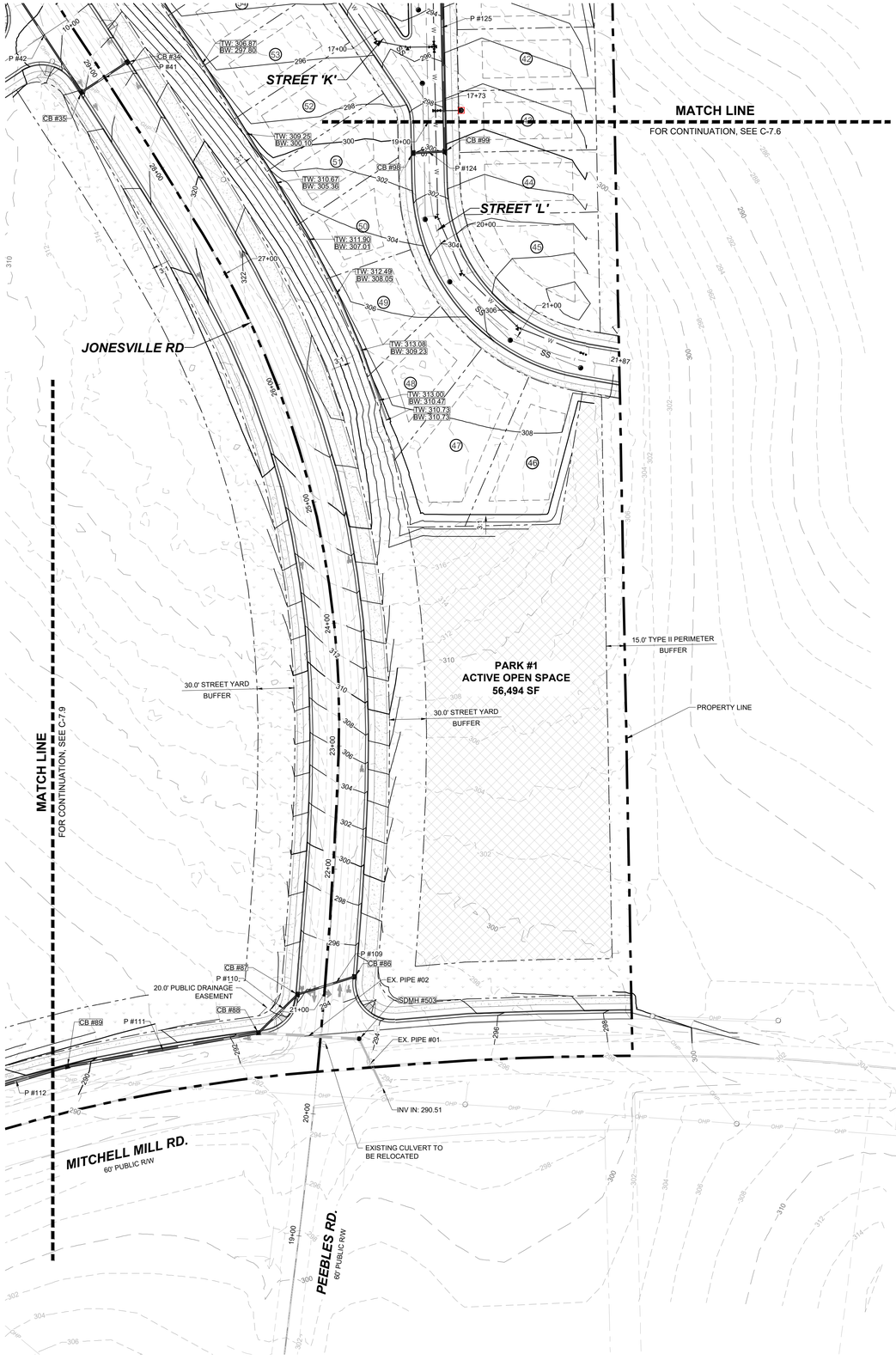
PARTIAL GRADING AND DRAINAGE PLAN VI

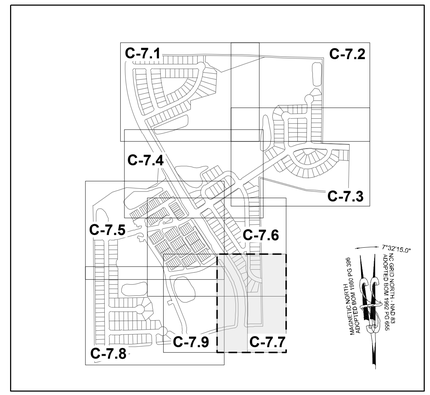
DRAWING SHEET

C-7.6

42 OF 57

PROGRESS PLOT DATE: 12/05/2023

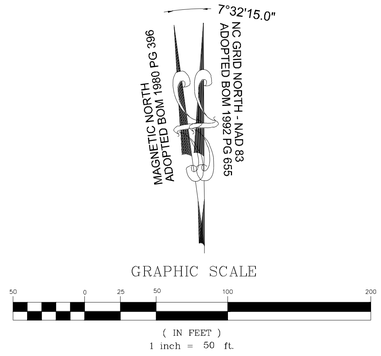




SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN
PARTIAL GRADING AND DRAINAGE PLAN VII

DRAWING SHEET

C-7.7

43 OF 57

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PROGRESS PLOT DATE: 12/05/2023

EXISTING DRY POND

MATCH LINE
FOR CONTINUATION, SEE C-7.5

STREET 'A'

STREET 'C'

STREET 'D'

STREET 'B'

STREET 'I'

STREET 'F'

SCM #1 WETPOND
TOP: 272.00
WSE: 266.00
BOT: 262.00

SCM #2 WET POND
TOP: 270.00
WSE: 264.00
BOT: 260.00

EMERGENCY SPILLWAY: 271.00

30.0' STREAM BUFFER ZONE 1

20.0' STREAM BUFFER ZONE 2

INTERMITTENT STREAM G

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

SCM MAINTENANCE EASEMENT

15.0' TYPE II PERIMETER BUFFER

PROPERTY LINE

MITCHELL MILL RD.
60' PUBLIC R/W

MARCIE L. HOLDEN
DEED BOOK
15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416
PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK
9236 PAGE
2229

HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990
PG 956

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018
PG 1333

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

MATCH LINE
FOR CONTINUATION, SEE C-7.7

C-7.1 C-7.2 C-7.3 C-7.4 C-7.5 C-7.6 C-7.7 C-7.8 C-7.9

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

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SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609

STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	JWL	DRAWN BY	SRG	CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL GRADING AND DRAINAGE PLAN VIII

DRAWING SHEET
C-7.8

44 OF 57

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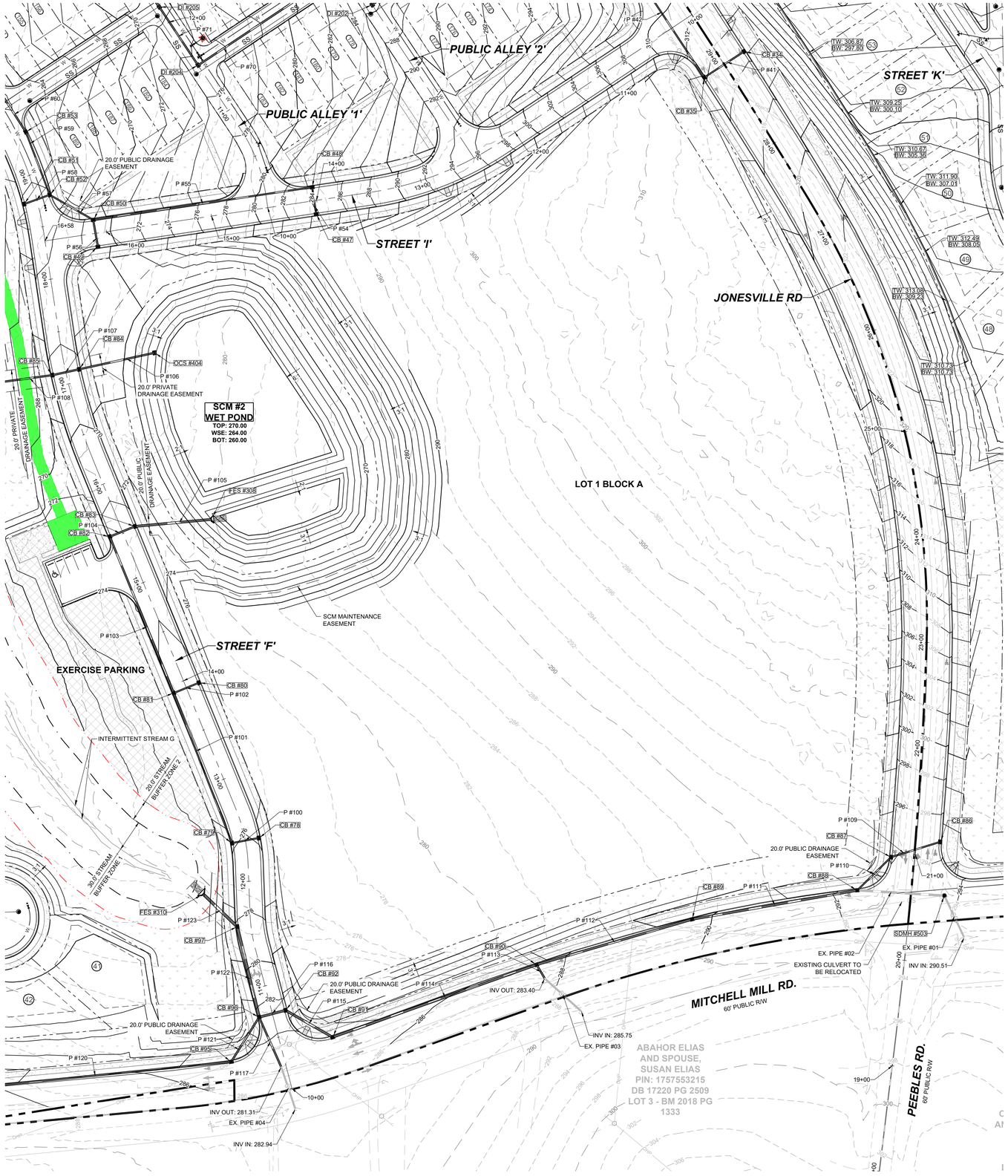

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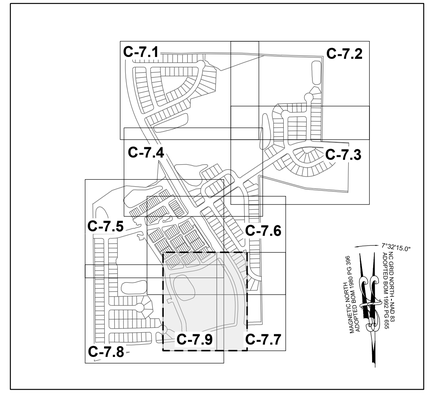
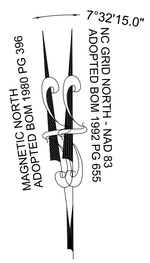


SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL GRADING AND DRAINAGE PLAN IX

DRAWING SHEET

C-7.9

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
EX. PIPE #01	RCP	18"	44	290.51	289.86	1.49%
EX. PIPE #02	RCP	24"	82	289.20	288.25	1.15%
EX. PIPE #03	RCP	18"	46	285.75	283.40	5.09%
EX. PIPE #04	RCP	18"	42	282.94	281.31	3.89%
EX. PIPE #05	RCP	18"	35	288.17	287.16	2.89%
EX. PIPE #06	RCP	18"	23	286.16	285.72	1.90%
P #01	RCP	15"	26	280.07	279.94	0.50%
P #02	RCP	15"	150	279.74	275.10	3.09%
P #03	RCP	15"	26	275.97	275.84	0.50%
P #04	RCP	18"	141	274.90	273.64	0.90%
P #05	RCP	15"	26	278.00	277.87	0.50%
P #06	RCP	15"	48	277.67	275.73	4.07%
P #07	RCP	18"	26	275.52	274.94	2.24%
P #08	RCP	18"	106	273.44	272.91	0.50%
P #09	RCP	18"	52	272.71	272.45	0.50%
P #10	RCP	18"	97	272.25	268.99	3.38%
P #11	RCP	24"	103	268.79	268.27	0.50%
P #12	RCP	24"	127	268.07	267.04	0.81%
P #13	RCP	15"	26	280.30	280.17	0.50%
P #14	RCP	15"	164	279.97	278.56	0.86%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #15	RCP	15"	26	278.55	278.42	0.50%
P #16	RCP	18"	48	278.22	277.57	1.33%
P #17	RCP	18"	26	277.37	276.79	2.27%
P #18	RCP	15"	26	276.65	276.52	0.50%
P #19	RCP	15"	78	276.32	275.93	0.50%
P #20	RCP	18"	49	275.73	275.49	0.50%
P #21	RCP	18"	190	275.29	274.26	0.54%
P #22	RCP	15"	26	275.75	275.62	0.50%
P #23	RCP	18"	168	274.06	269.94	2.46%
P #24	RCP	24"	112	269.73	267.04	2.40%
P #25	RCP	30"	153	266.84	266.00	0.55%
P #26	RCP	24"	64	262.00	261.00	1.57%
P #27	RCP	15"	26	272.02	271.72	1.17%
P #28	RCP	15"	150	271.52	266.45	3.38%
P #29	RCP	15"	26	267.05	266.92	0.50%
P #30	RCP	18"	150	266.25	264.32	1.28%
P #31	RCP	15"	26	264.59	264.46	0.50%
P #32	RCP	18"	188	264.12	257.70	3.42%
P #33	RCP	15"	48	264.54	260.13	9.15%
P #34	RCP	15"	26	259.93	259.80	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #35	RCP	24"	48	257.50	254.20	6.84%
P #36	RCP	24"	37	254.00	252.20	4.87%
P #37	RCP	30"	117	252.00	243.75	7.06%
P #38	RCP	30"	98	243.55	240.00	3.63%
P #39	RCP	24"	92	238.00	234.00	4.35%
P #40	RCP	36"	131	241.56	238.73	2.17%
P #41	RCP	15"	45	310.94	309.30	3.67%
P #42	RCP	15"	230	307.69	293.96	5.98%
P #43	RCP	15"	45	294.21	293.96	0.56%
P #44	RCP	15"	183	293.76	280.50	7.23%
P #45	RCP	15"	50	280.71	280.46	0.50%
P #46	RCP	15"	150	280.26	270.99	6.16%
P #47	RCP	18"	98	270.79	265.64	5.27%
P #48	RCP	15"	56	266.37	266.10	0.50%
P #49	RCP	18"	86	265.44	261.70	4.36%
P #50	RCP	18"	150	261.49	253.90	5.05%
P #51	RCP	15"	45	254.13	253.90	0.50%
P #52	RCP	24"	150	253.70	244.60	6.06%
P #53	RCP	24"	81	244.80	238.00	8.40%
P #54	RCP	15"	26	279.45	279.32	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #115	RCP	24"	51	278.66	277.70	1.88%
P #116	RCP	24"	26	277.22	276.87	1.33%
P #117	RCP	18"	51	281.31	278.43	5.60%
P #118	RCP	18"	18	287.16	286.25	5.00%
P #119	RCP	18"	252	284.76	283.50	0.50%
P #120	RCP	18"	258	283.30	280.05	1.26%
P #121	RCP	18"	49	279.85	277.70	4.36%
P #122	RCP	30"	88	276.67	272.70	4.54%
P #123	RCP	30"	44	272.50	271.74	1.73%
P #124	RCP	15"	26	294.87	294.74	0.50%
P #125	RCP	15"	202	294.54	283.95	5.25%
P #126	RCP	18"	26	283.75	283.62	0.50%
P #127	RCP	18"	197	283.42	273.08	5.25%
P #128	RCP	15"	26	273.47	273.08	1.50%
P #129	RCP	24"	201	272.88	261.83	5.50%
P #130	RCP	15"	26	262.60	261.83	3.00%
P #131	RCP	24"	143	261.59	254.09	5.25%
P #132	RCP	15"	26	254.87	254.09	3.00%
P #133	RCP	24"	58	253.89	251.55	4.00%
P #134	RCP	24"	66	251.35	250.04	2.00%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #135	RCP	15"	26	250.81	250.04	3.00%
P #136	RCP	24"	44	249.84	249.61	0.50%
P #137	RCP	24"	38	249.41	249.23	0.50%
P #138	RCP	15"	38	256.73	255.60	3.00%
P #139	RCP	18"	154	255.40	249.23	4.00%
P #140	RCP	24"	45	249.03	248.58	1.00%
P #141	RCP	24"	80	248.38	247.58	1.00%
P #142	RCP	24"	63	247.41	246.47	1.50%
P #143	RCP	15"	201	285.38	278.36	3.50%
P #144	RCP	15"	26	278.61	278.36	1.00%
P #145	RCP	18"	199	278.15	270.68	3.75%
P #146	RCP	15"	26	271.19	270.68	2.00%
P #147	RCP	18"	142	270.48	265.50	3.50%
P #148	RCP	15"	26	265.89	265.50	1.50%
P #149	RCP	18"	46	265.30	264.96	0.75%
P #150	RCP	18"	38	264.76	264.38	1.00%
P #151	RCP	18"	39	264.18	262.25	5.00%
P #152	RCP	18"	27	262.05	261.50	2.00%
P #153	RCP	24"	82	261.30	257.63	4.50%
P #154	RCP	24"	54	257.43	254.72	5.00%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #155	RCP	15"	26	256.01	254.72	5.00%
P #156	RCP	24"	148	254.52	248.21	4.25%
P #157	RCP	15"	26	250.11	249.26	3.30%
P #158	RCP	24"	121	248.01	246.47	1.27%
P #159	RCP	30"	26	246.27	245.76	2.00%
P #160	RCP	36"	125	245.56	243.17	1.91%
P #161	RCP	36"	193	242.97	242.00	0.50%
P #162	RCP	18"	50	239.00	238.00	1.98%
P #163	RCP	15"	26	264.44	264.18	1.00%
P #164	RCP	15"	99	263.99	260.56	3.47%
P #165	RCP	18"	87	260.36	257.76	3.00%
P #166	RCP	18"	80	257.56	255.55	2.50%
P #167	RCP	15"	27	256.55	256.41	0.50%
P #168	RCP	18"	70	255.35	253.94	2.00%
P #169	RCP	18"	90	253.74	251.51	2.50%
P #170	RCP	15"	38	252.86	252.67	0.50%
P #171	RCP	15"	45	252.37	252.14	0.50%
P #172	RCP	18"	26	251.94	251.81	0.50%
P #173	RCP	24"	53	251.31	248.64	5.00%
P #174	RCP	24"	38	248.44	248.25	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #55	RCP	15"	208	279.04	263.00	7.70%
P #56	RCP	18"	26	264.00	263.50	1.96%
P #57	RCP	15"	47	262.00	259.40	5.50%
P #58	RCP	15"	26	259.73	259.60	0.50%
P #59	RCP	15"	63	259.20	257.78	2.25%
P #60	RCP	18"	126	257.58	254.62	2.35%
P #61	RCP	15"	26	254.89	254.76	0.50%
P #62	RCP	18"	159	254.42	250.20	2.66%
P #63	RCP	15"	26	250.80	250.60	0.78%
P #64	RCP	18"	66	250.00	248.77	1.86%
P #65	RCP	18"	52	248.57	247.31	2.44%
P #66	RCP	15"	26	247.74	247.62	0.50%
P #67	RCP	24"	54	246.72	246.05	1.25%
P #68	RCP	15"	162	287.65	281.12	4.03%
P #69	RCP	15"	43	280.92	278.41	5.79%
P #70	RCP	18"	168	278.21	269.67	5.09%
P #71	RCP	18"	66	269.47	266.45	4.58%
P #72	RCP	24"	159	266.25	258.40	4.95%
P #73	RCP	15"	36	274.54	274.36	0.50%
P #74	RCP	15"	162	274.16	267.55	4.08%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #75	RCP	15"	44	267.35	264.89	5.60%
P #76	RCP	18"	168	264.69	258.92	3.43%
P #77	RCP	24"	66	258.20	255.96	3.40%
P #78	RCP	24"	83	255.76	252.43	4.01%
P #79	RCP	24"	42	252.23	250.56	4.03%
P #80	RCP	15"	26	255.48	255.35	0.50%
P #81	RCP	15"	132	255.15	251.10	3.06%
P #82	RCP	30"	133	250.02	245.78	3.19%
P #83	RCP	30"	26	245.58	245.45	0.50%
P #84	RCP	30"	48	245.25	243.56	3.50%
P #85	RCP	15"	26	246.03	245.90	0.50%
P #86	RCP	15"	60	245.70	245.11	0.99%
P #87	RCP	15"	26	244.91	244.78	0.50%
P #88	RCP	30"	48	243.36	242.47	1.85%
P #89	RCP	30"	62	242.27	241.37	1.46%
P #90	RCP	15"	26	255.50	255.14	1.41%
P #91	RCP	15"	132	254.94	250.59	3.30%
P #92	RCP	15"	26	250.72	250.59	0.50%
P #93	RCP	18"	61	250.39	248.89	2.48%
P #94	RCP	18"	167	248.69	243.82	2.92%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #95	RCP	15"	26	244.67	244.54	0.50%
P #96	RCP	24"	120	243.32	241.37	1.62%
P #97	RCP	36"	111	241.17	240.51	0.60%
P #98	RCP	36"	61	240.31	240.00	0.50%
P #99	RCP	24"	114	236.00	235.00	0.88%
P #100	RCP	15"	26	271.40	271.27	0.50%
P #101	RCP	15"	152	271.07	269.80	0.84%
P #102	RCP	15"	26	269.85	269.73	0.50%
P #103	RCP	18"	159	269.53	267.88	1.04%
P #104	RCP	18"	26	267.68	267.55	0.50%
P #105	RCP	24"	72	267.35	264.00	4.67%
P #106	RCP	18"	73	262.00	261.64	0.50%
P #107	RCP	18"	26	261.44	261.31	0.50%
P #108	RCP	18"	122	261.11	260.00	0.91%
P #109	RCP	15"	48	289.35	290.17	1.71%
P #110	RCP	15"	44	289.15	288.26	2.00%
P #111	RCP	24"	158	287.24	283.67	2.26%
P #112	RCP	24"	152	283.47	281.95	1.00%
P #113	RCP	18"	15	283.40	282.93	3.10%
P #114	RCP	24"	204	281.75	278.86	1.42%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #175	RCP	15"	26	254.53	254.40	0.50%
P #176	RCP	15"	101	254.20	253.70	0.50%
P #177	RCP	15"	26	254.03	253.90	0.50%
P #178	RCP	18"	81	253.50	252.68	1.00%
P #179	RCP	18"	78	252.48	251.57	1.17%
P #180	RCP	15"	26	251.83	251.70	0.50%
P #181	RCP	18"	60	251.29	248.27	5.00%
P #182	RCP	24"	196	248.07	243.16	2.50%
P #183	RCP	18"	38	244.87	244.68	0.50%
P #184	RCP	15"	38	246.18	245.89	0.75%
P #185	RCP	18"	100	245.69	244.71	0.98%
P #186	RCP	30"	115	242.96	241.04	1.67%
P #187	RCP	30"	53	240.84	240.00	1.59%
P #188	RCP	18"	287	238.00	236.00	0.70%
P #189	RCP	15"	38	278.78	278.02	2.00%
P #190	RCP	18"	131	277.82	271.26	5.00%
P #191	RCP	18"	127	271.06	265.36	4.50%
P #192	RCP	15"	38	266.87	265.36	4.00%
P #193	RCP	18"	43	265.08	262.06	7.00%
P #194	RCP	15"	26	262.70	262.06	2.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #195	RCP	24"	243	261.86	255.77	2.51%
P #196	RCP	15"	26	256.03	255.77	1.00%
P #197	RCP	24"	173	255.57	252.06	2.04%
P #198	RCP	24"	26	251.86	251.73	0.50%
P #199	RCP	24"	85	251.53	250.68	1.00%
P #200	RCP	30"	179	250.48	245.00	3.07%
P #201	RCP	15"	66	241.00	240.00	1.51%
P #202	RCP	15"	26	256.33	255.65	2.60%
P #203	RCP	15"	119	255.45	254.86	0.50%
P #204	RCP	15"	26	258.46	256.66	7.00%
P #205	RCP	18"	50	254.66	254.41	0.50%
P #206	RCP	15"	26	258.01	256.21	7.00%
P #207	RCP	18"	157	254.21	253.43	0.50%
P #208	RCP	15"	26	253.94	253.43	2.00%
P #209	RCP	18"	136	253.23	248.82	3.25%
P #210	RCP	15"	26	249.72	248.82	3.50%
P #211	RCP	18"	132	248.62	245.00	2.75%
P #212	RCP	18"	51	244.80	241.85	5.75%
P #213	RCP	18"	26	241.65	241.12	2.07%
P #214	RCP	18"	26	252.03	251.64	1.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #215	RCP	18"	103	251.44	249.43	1.95%
P #216	RCP	15"	26	249.75	249.62	0.50%
P #217	RCP	18"	82	249.23	247.62	1.97%
P #218	RCP	18"	79	247.42	245.89	1.94%
P #219	RCP	15"	26	246.15	245.89	1.00%
P #220	RCP	18"	66	245.69	244.45	1.86%
P #221	RCP	18"	73	244.24	243.77	0.64%
P #222	RCP	15"	26	244.03	243.77	1.00%
P #223	RCP	18"	268	243.57	242.23	0.50%
P #224	RCP	15"	26	243.64	242.23	5.50%
P #225	RCP	18"	91	242.03	241.12	1.00%
P #226	RCP	24"	118	240.92	236.19	4.00%
P #227	RCP	18"	26	237.48	236.19	5.00%
P #228	RCP	24"	49	235.99	235.31	1.40%
P #229	RCP	24"	70	235.11	234.76	0.50%
P #230	RCP	30"	112	234.56	234.00	0.50%
P #231	RCP	18"	84	233.00	231.64	1.62%
P #232	RCP	48"	119	238.95	237.95	0.84%

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

STORM DRAINAGE TABLES

DRAWING SHEET

C-7.10

THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	284.51		280.07 N
CB #02	2' X 3'	284.50	279.94 S	279.74 E
CB #03	2' X 3'	280.43		275.97 N
CB #04	2' X 3'	280.43	275.10 W 275.84 S	274.90 E
CB #05	2' X 3'	282.43		278.00 W
CB #06	2' X 3'	282.48	277.87 E	277.67 NW
CB #07	2' X 3'	280.23	275.73 SE	275.52 N
CB #08	2' X 3'	279.65	273.64 W 274.94 S	273.44 E
CB #09	2' X 3'	278.79	272.91 W	272.71 NE
CB #10	2' X 3'	278.40	272.45 SW	272.25 NW
CB #11	2' X 3'	284.73		280.30 E
CB #12	2' X 3'	284.73	280.17 W	279.97 N
CB #13	2' X 3'	282.99		278.55 E
CB #14	2' X 3'	282.99	278.56 S 278.42 W	278.22 NE
CB #15	2' X 3'	282.36	277.57 SW	277.37 N
CB #16	2' X 3'	281.09		276.65 E
CB #17	2' X 3'	281.09	276.52 W	276.32 S
CB #18	2' X 3'	281.98	275.93 N	275.73 SE
CB #19	2' X 3'	282.03	276.79 S 275.49 NW	275.29 E
CB #20	2' X 3'	280.18		275.75 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #21	2' X 3'	280.19	275.62 S 274.26 W	274.06 E
CB #22	2' X 3'	275.08	269.94 W	269.73 NE
CB #23	2' X 3'	276.46		272.02 E
CB #24	2' X 3'	276.44	271.72 W	271.52 N
CB #25	2' X 3'	271.49		267.05 E
CB #26	2' X 3'	271.49	266.45 S 266.92 W	266.25 N
CB #27	2' X 3'	269.03		264.59 E
CB #28	2' X 3'	269.03	264.32 S 264.46 W	264.12 N
CB #29	2' X 3'	268.98		264.54 SE
CB #30	2' X 3'	265.96	260.13 NW	259.93 E
CB #31	2' X 3'	265.96	257.70 S 259.80 W	257.50 NE
CB #32	2' X 3'	261.46	254.20 SW	254.00 NE
CB #33	2' X 3'	259.51	252.20 SW	252.00 N
CB #34	2' X 3'	315.37		310.94 SW
CB #35	2' X 3'	313.73	309.30 NE	307.69 NW
CB #36	2' X 3'	298.69		294.21 SW
CB #37	2' X 3'	298.39	293.96 NE 293.96 SE	293.76 NW
CB #38	2' X 3'	285.15		280.71 SW
CB #39	2' X 3'	285.15	280.50 SE 280.46 NE	280.26 NW
CB #40	2' X 3'	275.93	270.99 SE	270.79 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #41	2' X 3'	270.81		266.37 SW
CB #42	2' X 3'	270.88	265.64 SE 266.10 NE	265.44 NW
CB #43	2' X 3'	266.41	261.70 SE	261.49 NW
CB #44	2' X 3'	258.56		254.13 SW
CB #45	2' X 3'	259.31	253.90 SE 253.90 NE	253.70 NW
CB #46	2' X 3'	250.84	244.60 SE	244.80 W
CB #47	2' X 3'	283.89		279.45 N
CB #48	2' X 3'	283.89	279.32 S	279.04 W
CB #49	2' X 3'	268.71		264.00 N
CB #50	2' X 3'	268.65	263.50 S 263.00 E	262.00 NW
CB #51	2' X 3'	264.17		259.73 E
CB #52	2' X 3'	264.14	259.40 SE 259.60 W	259.20 N
CB #53	2' X 3'	262.53	257.78 S	257.58 NW
CB #54	2' X 3'	259.33		254.89 NE
CB #55	2' X 3'	259.33	254.62 SE 254.76 SW	254.42 NW
CB #56	2' X 3'	255.24		250.80 NE
CB #57	2' X 3'	255.43	250.60 SW 250.20 SE	250.00 NW
CB #58	2' X 3'	253.52	248.77 SE	248.57 N
CB #59	2' X 3'	251.71		247.74 E
CB #60	2' X 3'	252.07	247.31 S 247.62 W	246.72 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #61	2' X 3'	251.98	246.05 SW 245.78 E	245.58 N
CB #62	2' X 3'	259.90		255.48 S
CB #63	2' X 3'	259.92	255.35 N	255.15 W
CB #64	2' X 3'	251.62	245.45 S	245.25 NW
CB #65	2' X 3'	250.47		246.03 N
CB #66	2' X 3'	250.49	245.90 S	245.70 NE
CB #67	2' X 3'	249.54	245.11 SW	244.91 E
CB #68	2' X 3'	249.45	244.78 W 243.56 SE	243.36 N
CB #69	2' X 3'	248.27	242.47 S	242.27 N
CB #70	2' X 3'	247.10	241.37 NE 241.37 S	241.17 NW
CB #71	2' X 3'	259.93		255.50 NE
CB #72	2' X 3'	259.57	255.14 SW	254.94 NW
CB #73	2' X 3'	255.16		250.72 NE
CB #74	2' X 3'	255.16	250.59 SE 250.59 SW	250.39 NW
CB #75	2' X 3'	253.62	248.89 SE	248.69 SW
CB #76	2' X 3'	249.13		244.67 NW
CB #77	2' X 3'	249.14	243.82 NE 244.54 SE	243.32 SW
CB #78	2' X 3'	275.83		271.40 W
CB #79	2' X 3'	275.84	271.27 E	271.07 N
CB #80	2' X 3'	274.29		269.85 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #81	2' X 3'	274.29	269.80 S 269.73 E	269.53 N
CB #82	2' X 3'	272.50	267.88 S	267.68 E
CB #83	2' X 3'	272.50	267.55 W	267.35 E
CB #84	2' X 3'	268.39	261.64 E	261.44 W
CB #85	2' X 3'	268.38	261.31 E	261.11 W
CB #86	2' X 3'	294.79		290.17 W
CB #87	2' X 3'	294.12	289.35 E	289.15 SW
CB #88	2' X 3'	292.76	288.26 NE 288.25 E	287.24 W
CB #89	2' X 3'	289.76	283.67 E	283.47 W
CB #90	2' X 3'	287.37	281.95 E 282.93 SE	281.75 W
CB #91	2' X 3'	285.16	278.86 E	278.66 NW
CB #92	2' X 3'	283.23	277.70 SE	277.22 W
CB #93	2' X 3'	289.47	286.25 S	284.76 E
CB #94	2' X 3'	288.55	283.50 W	283.30 E
CB #95	2' X 3'	285.24	280.05 W	279.85 NE
CB #96	2' X 3'	282.47	277.70 SW 276.87 E 278.43 SE	276.67 N
CB #97	2' X 3'	278.19	272.70 S	272.50 NW
CB #98	2' X 3'	299.94		294.87 E
CB #99	2' X 3'	299.89	294.74 W	294.54 N
CB #100	2' X 3'	289.02	283.95 S	283.75 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #101	2' X 3'	289.02	283.62 E	283.42 N
CB #102	2' X 3'	278.38		273.47 W
CB #103	2' X 3'	278.38	273.08 E 273.08 S	272.88 N
CB #104	2' X 3'	267.58		262.60 W
CB #105	2' X 3'	267.54	261.83 E 261.83 S	261.59 N
CB #106	2' X 3'	259.85		254.87 W
CB #107	2' X 3'	259.84	254.09 S 254.09 E	253.89 N
CB #108	2' X 3'	257.36	251.55 S	251.35 NW
CB #109	2' X 3'	255.65		250.81 SW
CB #110	2' X 3'	255.65	250.04 NE 250.04 SE	249.84 W
CB #111	2' X 3'	256.13	249.61 E	249.41 NW
CB #112	2' X 3'	261.44		256.73 NW
CB #113	2' X 3'	261.41	255.60 SE	255.40 NE
CB #114	2' X 3'	256.13	249.23 SW 249.23 SE	249.03 N
CB #115	2' X 3'	254.48	248.58 S	248.38 NW
CB #116	2' X 3'	253.03	247.58 SE	247.41 W
CB #117	2' X 3'	290.89		285.38 NW
CB #118	2' X 3'	283.07		278.61 SW
CB #119	2' X 3'	283.04	278.36 NE 278.36 SE	278.15 NW
CB #120	2' X 3'	275.25		271.19 SW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #121	2' X 3'	275.25	270.68 NE 270.68 SE	270.48 NW
CB #122	2' X 3'	269.71		265.89 SW
CB #123	2' X 3'	269.70	265.50 SE 265.50 NE	265.30 W
CB #124	2' X 3'	270.24	264.96 E	264.76 NW
CB #125	2' X 3'	270.14	264.38 SE	264.18 N
CB #126	2' X 3'	267.49	262.25 S	262.05 NE
CB #127	2' X 3'	267.02	261.50 SW	261.30 NW
CB #128	2' X 3'	263.64	257.63 SE	257.43 N
CB #129	2' X 3'	260.74		256.01 SE
CB #130	2' X 3'	260.84	254.72 S 254.72 NW	254.52 NE
CB #131	2' X 3'	254.54		250.11 SE
CB #132	2' X 3'	254.54	248.21 SW 249.26 NW	248.01 NE
CB #133	2' X 3'	252.15	246.47 SW 246.47 E	246.27 NW
CB #134	2' X 3'	252.15	245.76 SE	245.56 NW
CB #135	2' X 3'	269.21		264.44 SE
CB #136	2' X 3'	269.22	264.18 NW	263.99 SW
CB #137	2' X 3'	265.37	260.56 NE	260.36 W
CB #138	2' X 3'	263.10	257.76 E	257.56 W
CB #139	2' X 3'	260.98		256.55 SW
CB #140	2' X 3'	260.99	256.41 NE 255.55 E	255.35 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #141	2' X 3'	259.16	253.94 SE	253.74 NW
CB #142	2' X 3'	257.29		252.86 S
CB #143	2' X 3'	257.38	252.67 N	252.37 S
CB #144	2' X 3'	256.71	252.14 N	251.94 SW
CB #145	2' X 3'	256.71	251.81 NE 251.51 SE	251.31 W
CB #146	2' X 3'	254.35	248.64 E	248.44 NW
CB #147	2' X 3'	258.97		254.53 W
CB #148	2' X 3'	258.97	254.40 E	254.20 S
CB #149	2' X 3'	258.47		254.03 W
CB #150	2' X 3'	258.46	253.90 E 253.70 N	253.50 S
CB #151	2' X 3'	257.61	252.68 N	252.48 S
CB #152	2' X 3'	256.26		251.83 W
CB #153	2' X 3'	256.28	251.57 N 251.70 E	251.29 S
CB #154	2' X 3'	254.21	248.25 SE 248.27 N	248.07 SW
CB #155	2' X 3'	249.58		244.87 NW
CB #156	2' X 3'	250.68		246.18 NW
CB #157	2' X 3'	250.67	245.89 SE	245.69 NE
CB #158	2' X 3'	249.57	243.16 NE 244.68 SE 244.71 SW	242.96 NW
CB #159	2' X 3'	283.24		278.78 N
CB #160	2' X 3'	283.22	278.02 S	277.82 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #161	2' X 3'	276.73	271.26 E	271.06 W
CB #162	2' X 3'	271.41		266.87 N
CB #163	2' X 3'	271.43	265.36 S 265.36 E	265.08 NW
CB #164	2' X 3'	267.24		262.70 E
CB #165	2' X 3'	267.29	262.06 SE 262.06 W	261.86 N
CB #166	2' X 3'	261.78		256.03 E
CB #167	2' X 3'	261.80	255.77 S 255.77 W	255.57 N
CB #168	2' X 3'	258.04	252.06 S	251.86 W
CB #169	2' X 3'	257.93	251.73 E	251.53 N
CB #170	2' X 3'	256.76	250.68 S	250.48 NE
CB #171	2' X 3'	260.77		256.33 S
CB #172	2' X 3'	260.09	255.65 N	255.45 E
CB #173	2' X 3'	263.68		258.46 S
CB #174	2' X 3'	263.64	254.86 W 256.66 N	254.66 SE
CB #175	2' X 3'	263.27		258.01 W
CB #176	2' X 3'	263.24	256.21 E 254.41 NW	254.21 S
CB #177	2' X 3'	258.40		253.94 W
CB #178	2' X 3'	258.40	253.43 E 253.43 N	253.23 S
CB #179	2' X 3'	254.22		249.72 W
CB #180	2' X 3'	254.22	248.82 E 248.82 N	248.62 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #181	2' X 3'	250.16	245.00 N	244.80 S
CB #182	2' X 3'	246.75	241.85 N	241.65 SE
CB #183	2' X 3'	256.80		252.03 E
CB #184	2' X 3'	256.35	251.64 W	251.44 S
CB #185	2' X 3'	254.19		249.75 SE
CB #186	2' X 3'	254.14	249.43 N 249.62 NW	249.23 SW
CB #187	2' X 3'	252.32	247.62 NE	247.42 SW
CB #188	2' X 3'	250.64		246.15 SE
CB #189	2' X 3'	250.60	245.89 NE 245.89 NW	245.69 SW
CB #190	2' X 3'	249.16	244.45 NE	244.24 SW
CB #191	2' X 3'	248.50		244.03 SE
CB #192	2' X 3'	248.50	243.77 NE 243.77 NW	243.57 SW
CB #193	2' X 3'	250.01		243.64 SE
CB #194	2' X 3'	250.01	242.23 NE 242.23 NW	242.03 SW
CB #195	2' X 3'	246.75	241.12 NW 241.12 NE	240.92 SW
CB #196	2' X 3'	242.30		237.48 SE
CB #197	2' X 3'	241.78	236.19 NE 236.19 NW	235.99 S
CB #198	2' X 3'	239.21	235.31 N	235.11 SE
CB #199	2' X 3'	238.68	234.76 NW	234.56 E

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #201	2' X 3'	292.17		287.65 SW
DI #202	2' X 3'	285.56	281.12 NE	280.92 NW
DI #203	2' X 3'	282.93	278.41 SE	278.21 SW
DI #204	2' X 3'	274.46	269.67 NE	269.47 NW
DI #205	2' X 3'	271.50	266.45 SE	266.25 NW
DI #206	2' X 3'	279.00		274.54 SE
DI #207	2' X 3'	280.77	274.36 NW	274.16 SW
DI #208	2' X 3'	271.99	267.55 NE	267.35 NW
DI #209	2' X 3'	269.33	264.89 SE	264.69 SW
DI #210	2' X 3'	264.37	258.40 SE 258.92 NE	258.20 NW
DI #211	2' X 3'	261.41	255.96 SE	255.76 NW
DI #212	2' X 3'	257.68	252.43 SE	252.23 N
DI #213	2' X 3'	255.81	251.10 E 250.56 S	250.02 W

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #301	30"	268.88		266.00 SE
FES #302	24"	263.33		261.00 S
FES #303	30"	242.88		240.00 SE
FES #304	24"	236.33		234.00 SW
FES #305	24"	240.33		238.00 E
FES #306	24"	237.33		235.00 SE
FES #307	36"	243.42		240.00 E
FES #308	24"	266.33		264.00 W
FES #309	18"	261.79		260.00 E
FES #310	30"	274.61		271.74 SE
FES #311	36"	244.98	241.56 N	
FES #312	36"	242.15		238.73 S
FES #313	36"	245.42		242.00 E
FES #314	18"	239.79		238.00 S
FES #315	30"	242.88		240.00 S
FES #316	18"	237.79		236.00 S
FES #317	30"	247.88		245.00 SW
FES #318	15"	241.52		240.00 E
FES #319	30"	236.88		234.00 W
FES #320	18"	233.43		231.64 N

OCS TABLE				
OCS NO	SIZE	TOP	INV. IN	INV. OUT
OCS #401	2' X 3'	269.00		262.00 N
OCS #402	2' X 3'	243.00		238.00 NE
OCS #403	2' X 3'	243.50		236.00 NW
OCS #404	2' X 3'	267.00		262.00 W
OCS #405	2' X 3'	245.00		239.00 N
OCS #406	2' X 3'	239.71		238.00 N
OCS #407	2' X 3'	248.00		241.00 W
OCS #408	2' X 3'	237.00		233.00 S

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SDMH #501	4'	254.59	243.75 S	243.55 NW
SDMH #502	4'	246.42	240.51 SE	240.31 W
SDMH #503	4'	293.61	289.86 SE	289.20 W
SDMH #504	4'	247.05	243.17 SE	242.97 W
SDMH #505	4'	246.84	241.04 SE	240.84 N

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #601	2' X 3'	274.70	268.99 SE	268.79 NW
YI #602	2' X 3'	274.34	268.27 SE	268.07 N
YI #603	2' X 3'	272.29	267.04 SW 267.04 S	266.84 NW

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

STORM DRAINAGE TABLES

DRAWING SHEET

C-7.11

47 OF 57

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STREET NAME	JONESVILLE WEST	JONESVILLE EAST	MITCHELL MILL	STREET A	STREET E	STREET H	STREET B	STREET C	STREET D	STREET F	STREET G	STREET I	STREET J	STREET K	STREET L	STREET M	STREET N	STREET O	STREET P	STREETQ	TOTALS
REQUIRED STREET TREES	59	40	48	54	66	54	14	16	16	8	16	22	36	20	20	16	20	30	14	24	593
PLANNED																					
ACRE FLORIDARIUM	-	-	-	27	-	-	-	8	8	-	-	11	18	-	10	-	-	11	-	15	108
WILLOW OAK	-	-	-	-	33	-	7	-	-	-	8	-	-	10	-	8	-	9	-	-	75
QUERCUS LYRATA 'QLFTB'	-	-	17	-	-	27	-	-	-	4	-	-	-	-	-	-	10	-	9	-	67
QUERCUS SHUMMARDII 'QSFTC'	-	-	16	-	-	27	-	-	-	-	-	-	18	-	-	-	5	-	-	-	66
CELTIS OCCIDENTALIS	-	-	-	27	-	-	-	-	-	-	8	10	-	-	10	8	-	-	8	18	89
TILLA AMERICANA	30	20	-	-	33	-	-	-	8	4	-	-	-	10	-	-	-	-	-	-	105
ULMUS PARVIFOLIA	29	20	-	-	-	-	7	8			-	-	-	-	-	-	5	-	-	-	69
TOTALS	**59**	**40**	**33**	**54**	**66**	**54**	**14**	**16**	**16**	**8**	**16**	**21**	**36**	**20**	**20**	**16**	**20**	**20**	**17**	**33**	579

TOWNHOME NOTES:

STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

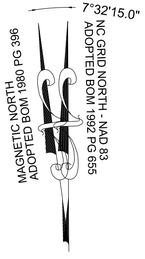
There are 14 street trees missing.

PLANT SCHEDULE

PERMITER BUFFERS	NUMBER	SYMBOL	LABEL	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	CALIPER
CANOPY								
	15		QUFP	**QUERCUS FALCATA PAGODIFOLIA**	**CHERRYBARK OAK**	B&B	8'	2.0"
	59		MAGH	**MAGNOLIA X SSP.**	**"YELLOW BIRD" HYBRID MAGNOLIA**	B&B	8'	2.0"
	60		MEGL	**METASEQUOIA GLYPTOSTROBIES**	**DAWN REDWOOD**	B&B	8'	2.0"
	60		SOAL	**SORBUS ALNIFOLIA "SKYLINE"**	**SKYLINE KOREAN MOUNTAN ASH**	B&B	8'	2.0"
	194							
UNDERSTORY	13		CHVA	**CHIONANTHUS VIRGINICUS**	**FRINGE TREE**	B&B	8'-10'	1.5"
	12		COMA	**CORNUS MAS**	**CORNELIAN CHERRY DOGWOOD**	B&B	8'-10'	1.5"
	12		OSVA	**OSTRYA VIRGINIANA**	**AMERICAN HOPHORNBEAM**	B&B	8'-10'	1.5"
	11		PIVA	**PINUS VIRGINIANA**	**VIRGINIA PINE**	B&B	8'-10'	1.5"
	14		MAVA	**MAGNOLIA VIRGINIANA**	**SWEETBAY MAGNOLIA**	B&B	8'-10'	1.5"
	62							
SHURBS	631		DEL	**PRUNUS LAUROCERASUS**	**DWARF ENGLISH LAUREL**	3 GAL	24" MIN	
	641		DSWM	**MYRICA CEIFERA "DON'S DWARF'**	**DWARF SOUTHERN WAX MYRTLE**	3 GAL	24" MIN	
	631		DHF	**CHAMAECYPARIS OBTUSA "NANA"**	**DWARF HINOKI FALSECYPRESS**	3 GAL	24" MIN	
	638		DGA	**GARDENIA JASMINODIES**	**DWARF GARDENIA**	3 GAL	24" MIN	
	631		DYH	**ILEX VOMITORIA**	**DWARF YAUPON HOLLY**	3 GAL	24" MIN	
	3,172							

PLANT SCHEDULE

PARKING LOT	NUMBER	SYMBOL	LABEL	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	CALIPER
GREENWAY TRAIL HEAD								
CANOPY TREE	1							
PERIMETER LF	132							
PERIMTER SHRUBS	44							
CANOPY	1		NYSA	NYSSA SALVATICA	BLACK GUM	B&B	8'	2.0"
SHURBS	14		BEJU	BERBERIS JULIANAE	WINTERGREEN BARBERRY	3 GAL	24" MIN	
	15		BUMA	BUXUS MICROPHYLLA	WINTERGREEN BOXWOOD	3 GAL	24" MIN	
	15		RAIN	RHAPHIOLEPIS INDICA	INDIAN HAWTHORNE	3 GAL	24" MIN	
TOWNHOME AREA SOUTH								
CANOPY TREE	1							
PERIMETER LF	210							
SHRUBS	70							
CANOPY	1		NYSA	NYSSA SALVATICA	BLACK GUM	B&B	8'	2.0"
SHURBS	25		BEJU	BERBERIS JULIANAE	WINTERGREEN BARBERRY	3 GAL	24" MIN	
	25		BUMA	BUXUS MICROPHYLLA	WINTERGREEN BOXWOOD	3 GAL	24" MIN	
	20		RAIN	RHAPHIOLEPIS INDICA	INDIAN HAWTHORNE	3 GAL	24" MIN	
TOWNHOME AREA NORTH								
CANOPY TREE	1							
LF PERIMETER	290							
SHURBS REQUIRED	97							
CANOPY	1		NYSA	NYSSA SALVATICA	BLACK GUM	B&B	8'	2.0"
SHURBS	33		BEJU	BERBERIS JULIANAE	WINTERGREEN BARBERRY	3 GAL	24" MIN	
	32		BUMA	BUXUS MICROPHYLLA	WINTERGREEN BOXWOOD	3 GAL	24" MIN	
	32		RAIN	RHAPHIOLEPIS INDICA	INDIAN HAWTHORNE	3 GAL	24" MIN	
TOWNHOME AREA NORTH DUMPSTER								
LF PERIMETER	40							
SHRUBS	6							
SHURBS	7		ILNS	ILEX X NELLIE R. STEVENS	NELLIE R STEVENS HOLLY	3 GAL	18" MIN	



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

Please refer to the memo for a full list of landscape and preservation comments.



LEGEND:

- METASEQUOIA GLYPTOSTROBIES (MEGL)
- QUERCUS FALCATA PAGODIFOLIA (QUFP)
- MAGNOLIA X SSP. (MAGH)
- SORBUS ALNIFOLIA "SKYLINE" (SOAL)
- ACER FLORIDARIUM (ACFA)
- QUERCUS PHELLOS (QUPH)
- QUERCUS LYRATA 'QLFTB' (QULA)
- QUERCUS SHUMMARDII 'QSFTC' (QUSH)
- CELTIS OCCIDENTALIS (CEOC)
- TILLA AMERICANA (TIAM)
- ULMUS PARVIFOLIA (ULPA)
- NYSSA SALVATICA (NYSA)
- CHIONANTHUS VIRGINICUS (CHVA)
- CORNUS MAS (COMA)
- OSTRYA VIRGINIANA (OSVA)
- PINUS VIRGINIANA (PIVA)
- MAGNOLIA VIRGINIANA (MAVA)
- PRUNUS LAUROCERASUS (DEL)
- MYRICA CEIFERA "DON'S DWARF" (DSWM)
- CHAMAECYPARIS OBTUSA "NANA" (DHF)
- GARDENIA JASMINODIES (DGA)
- ILEX VOMITORIA (DYH)
- BERBERIS JULIANAE (BEJU)
- BUXUS MICROPHYLLA (BUMA)
- RHAPHIOLEPIS INDICA (RAIN)
- ILEX X NELLIE R. STEVENS (ILNS)

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02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL:

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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
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STRONG ROCK PROJECT	PSP-23-03
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DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

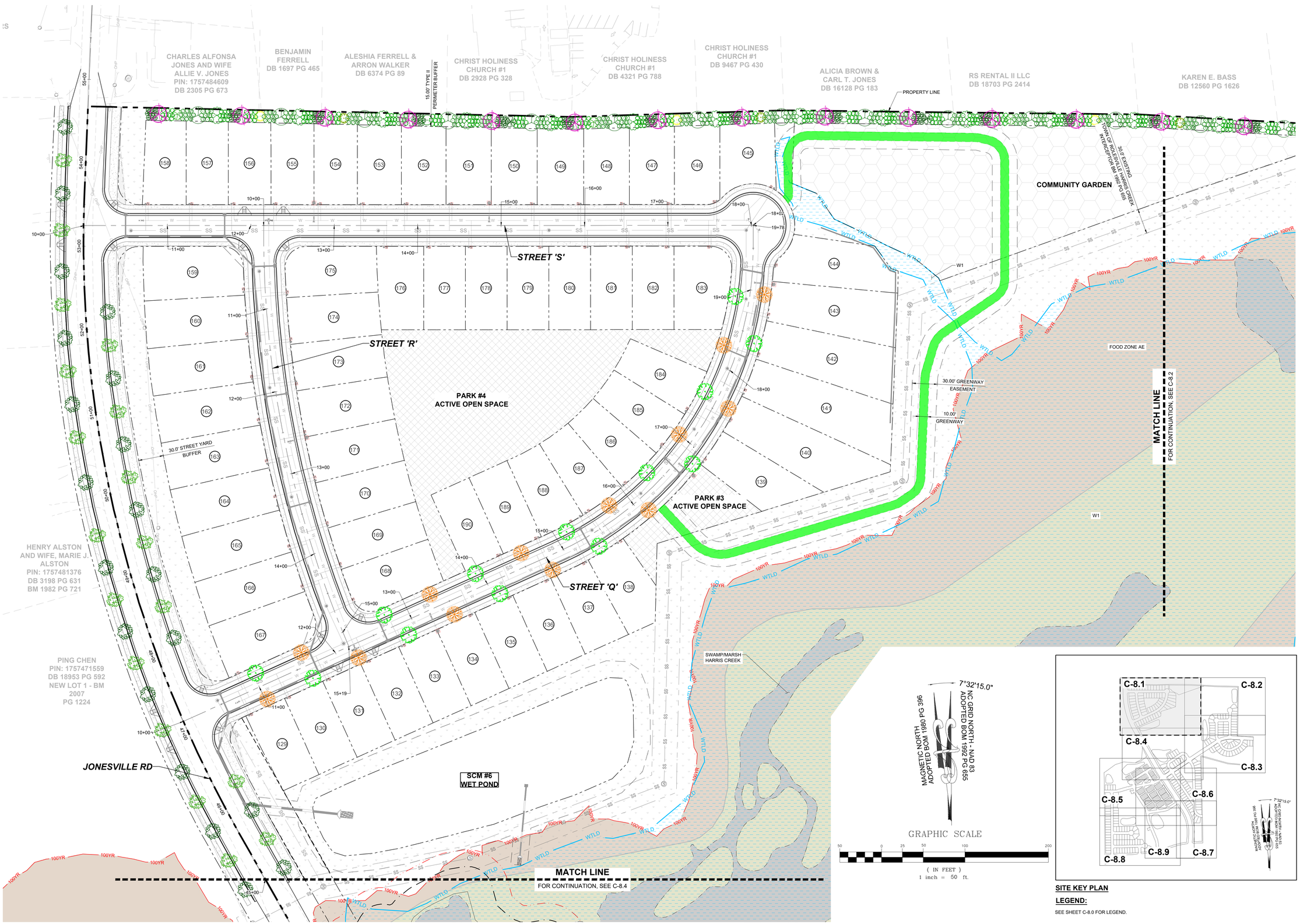
PRELIMINARY SITE PLAN

OVERALL LANDSCAPE PLAN

DRAWING SHEET

C-8.0

PROGRESS PLOT DATE: 12/05/2023



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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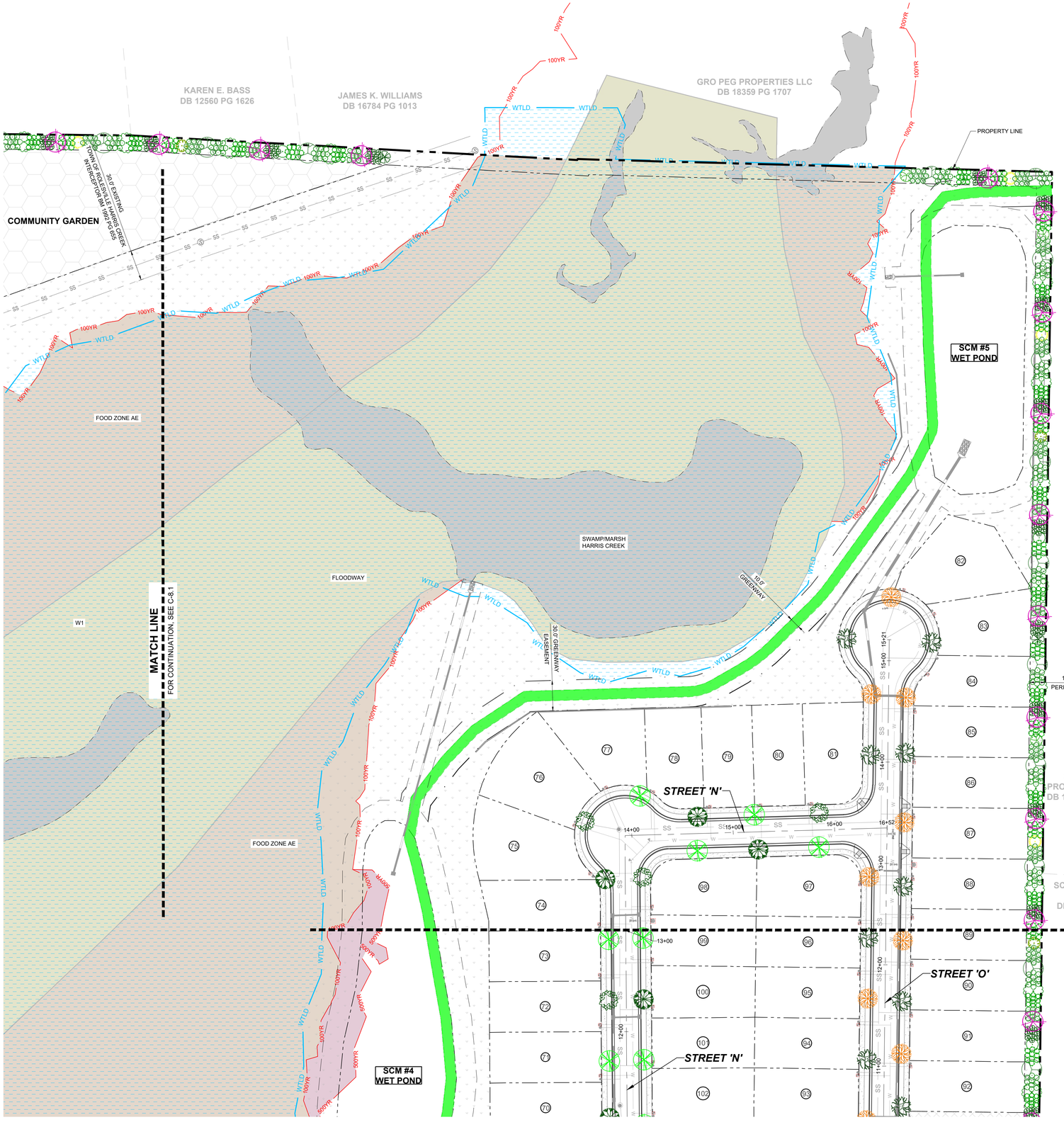
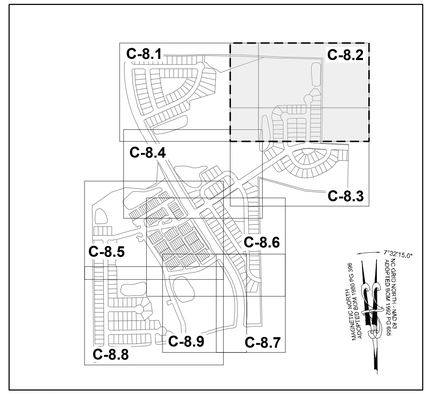
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL LANDSCAPE PLAN I

DRAWING SHEET
C-8.1

PROGRESS PLOT DATE: 12/05/2023

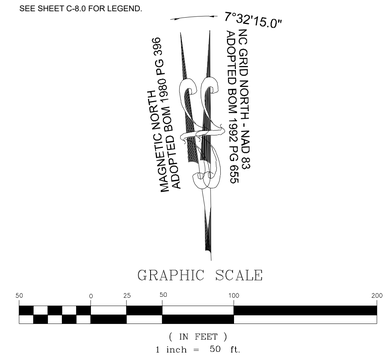




SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



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SEAL:

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RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL LANDSCAPE PLAN II

DRAWING SHEET

C-8.2

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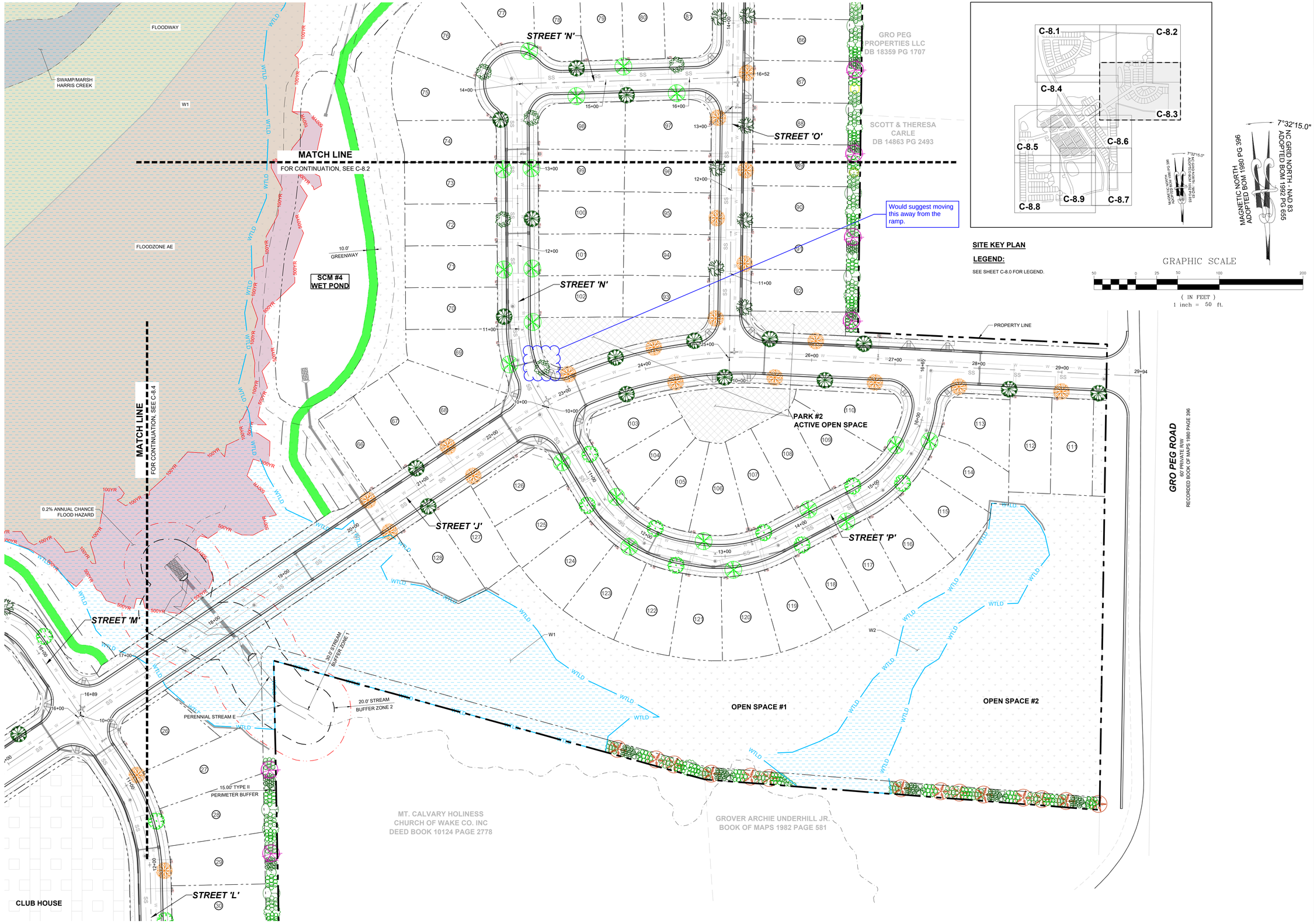
PROGRESS PLOT DATE: 12/05/2023



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SEAL:

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL LANDSCAPE PLAN III

DRAWING SHEET

C-8.3

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PROGRESS PLOT DATE: 12/05/2023

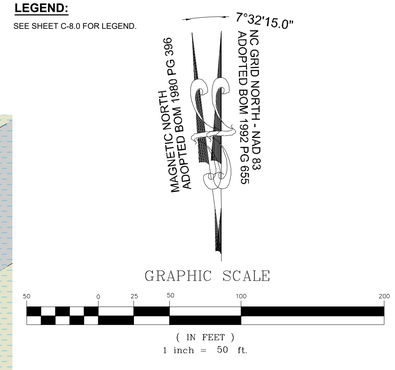
TOWNHOME NOTES:

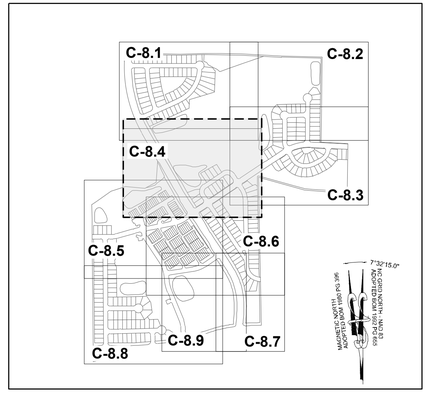
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

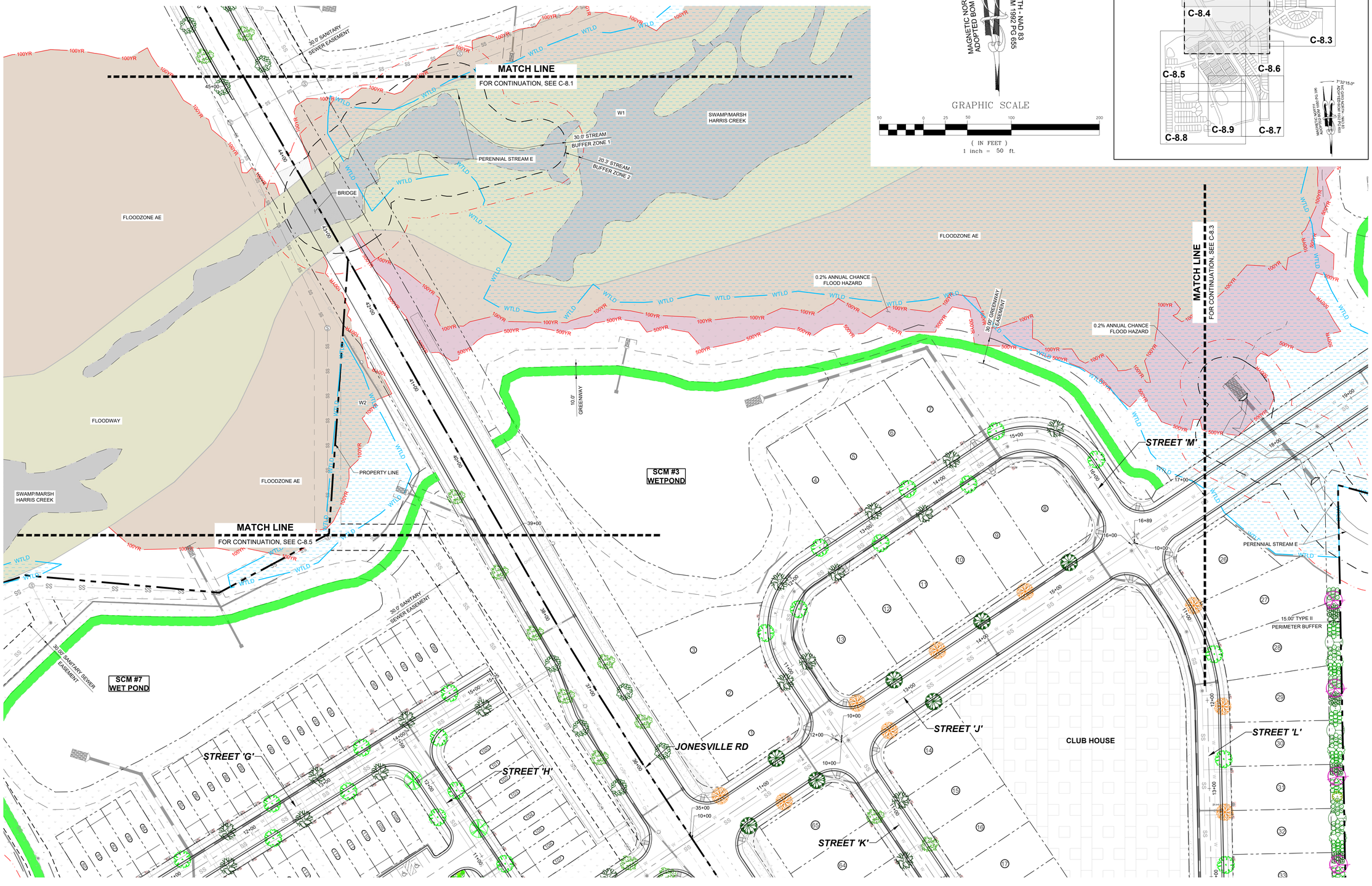
SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.







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RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-8.4

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PROGRESS PLOT DATE: 12/05/2023

TOWNHOME NOTES:

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MATCH LINE
FOR CONTINUATION, SEE C-8.4

MATCH LINE
FOR CONTINUATION, SEE C-8.8

MATCH LINE
FOR CONTINUATION, SEE C-8.6

SCM #7
WET POND

SCM #8
WET POND

30.0' SANITARY SEWER EASEMENT

30.0' STREAM BUFFER ZONE 1
20.0' STREAM BUFFER ZONE 2

30.00' STREET YARD BUFFER

10.0' GREENWAY

30.0' GREENWAY EASEMENT

15.0' TYPE II PERIMETER BUFFER

STREET 'A'
STREET 'E'
STREET 'F'
STREET 'G'
STREET 'H'
STREET 'I'
STREET 'K'
PUBLIC ALLEY '1'
PUBLIC ALLEY '2'
JONESVILLE RD

JERRI JO MASSEY & TAMMY G. BUTLER
DB 8265 PG 202

MEGAN KULAWIAK
DEED BOOK 16226
PAGE 1133

SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

C-8.1 C-8.2 C-8.3 C-8.4 C-8.5 C-8.6 C-8.7 C-8.8 C-8.9

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"
NC GRID NORTH, NAD 83
ADOPTED BOM 1992 PG 635

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

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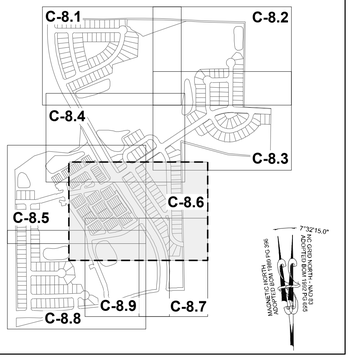
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN

PARTIAL LANDSCAPE PLAN V

DRAWING SHEET
C-8.5

PROGRESS PLOT DATE: 12/05/2023

STREET 'G'
STREET 'H'
JONESVILLE RD
STREET 'E'
PUBLIC ALLEY '1'
STREET 'F'
PUBLIC ALLEY '2'
STREET 'I'
JONESVILLE RD
STREET 'K'
CLUB HOUSE
STREET 'L'
10.0' GREENWAY
30.0' GREENWAY EASEMENT
WTLD
SCM #2
WET POND
LOT 1 BLOCK A
15.0'
TYPE II PERIMETER BUFFER
MATCH LINE
FOR CONTINUATION, SEE C-8.8
MATCH LINE
FOR CONTINUATION, SEE C-8.5
MATCH LINE
FOR CONTINUATION, SEE C-8.7



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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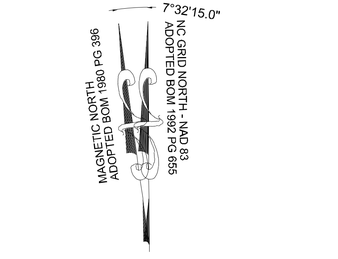

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

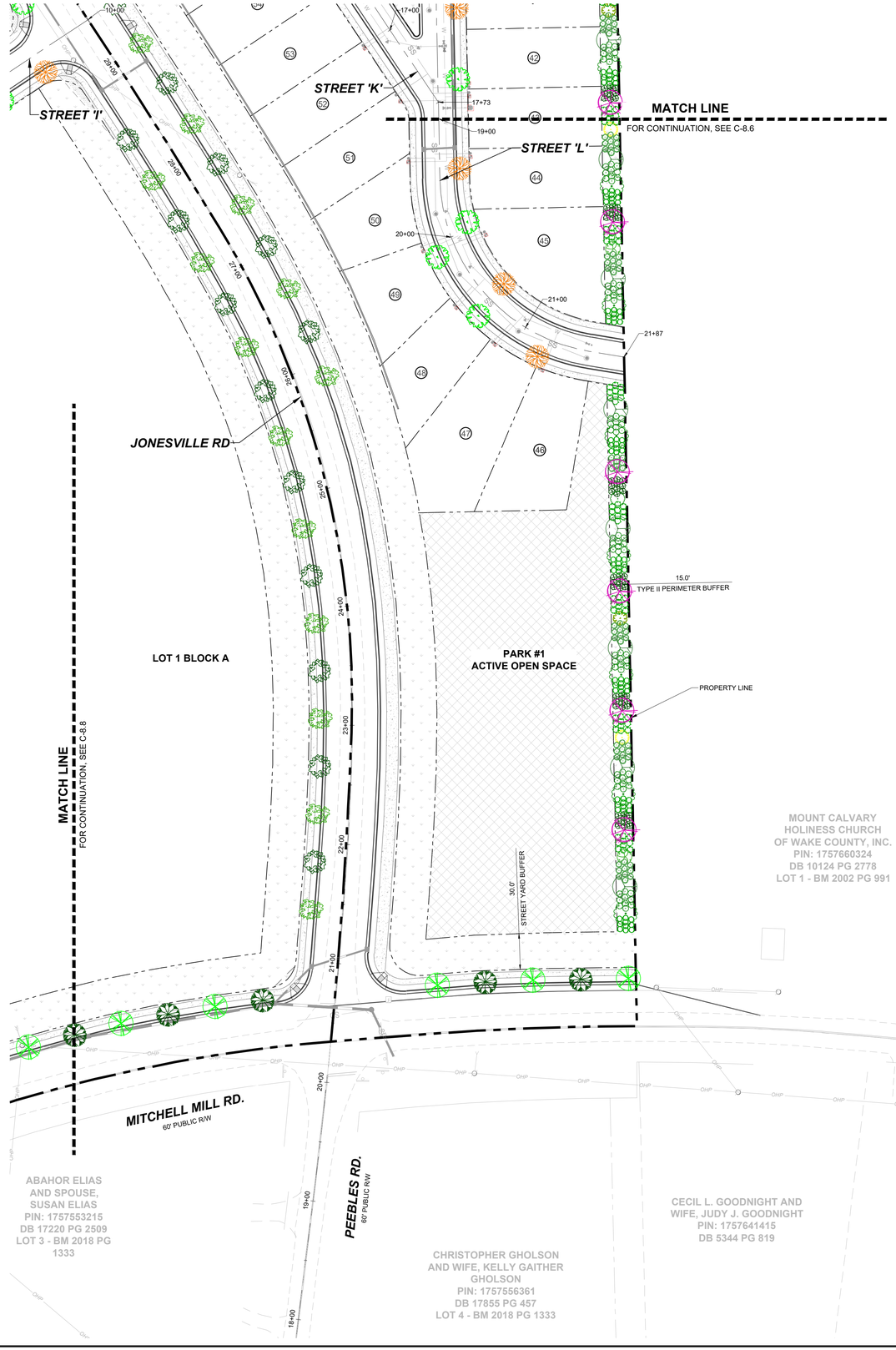
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

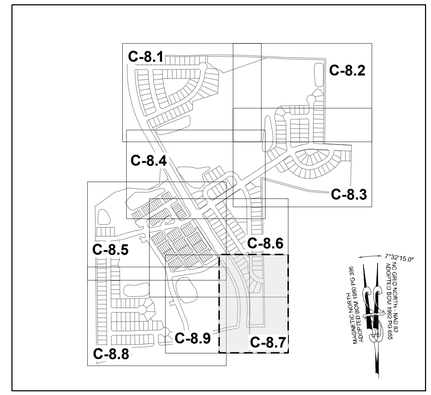
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL UTILITY PLAN VI

DRAWING SHEET
C-8.6

54 OF 57

PROGRESS PLOT DATE: 12/05/2023

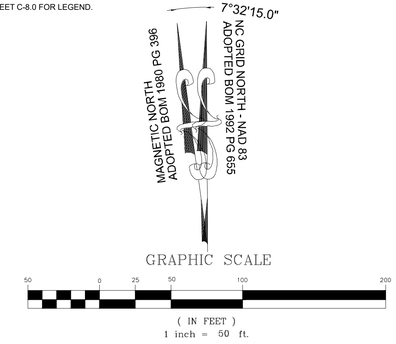




SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SITE PLAN
PARTIAL LANDSCAPE PLAN VII

DRAWING SHEET

C-8.7

55 OF 57

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PROGRESS PLOT DATE: 12/05/2023

EXISTING DRY POND

W6

WTLD

MATCH LINE
FOR CONTINUATION, SEE C-8.5

SCM #1 WETPOND

SCM #2 WET POND

PUBLIC ALLEY '1'

STREET 'I'

STREET 'D'

STREET 'A'

STREET 'C'

STREET 'B'

STREET 'F'

EXERCISE PARKING

INTERMITTENT STREAM G

30.0' STREAM BUFFER ZONE 1

20.0' STREAM BUFFER ZONE 2

10.0' GREENWAY

30.0' GREENWAY EASEMENT

15.0' TYPE II PERIMETER BUFFER

30.0' STREET YARD BUFFER

MATCH LINE
FOR CONTINUATION, SEE C-8.7

MITCHELL MILL RD.
60' PUBLIC R/W

MARCIE L. HOLDEN
DEED BOOK 15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK 9236 PAGE 2229

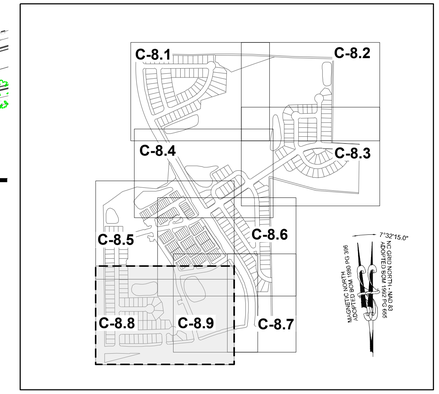
HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333



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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SITE PLAN

PARTIAL LANDSCAPE PLAN VIII

DRAWING SHEET

C-8.8

56 OF 57

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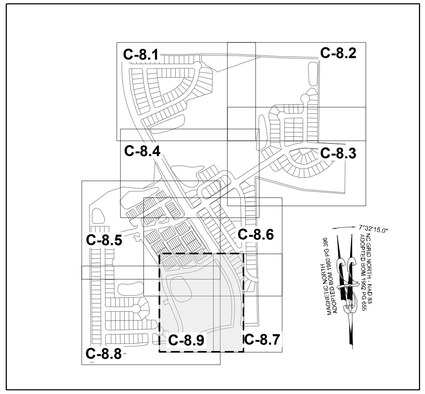

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PRELIMINARY SITE PLAN

PARTIAL LANDSCAPE PLAN IX

DRAWING SHEET

C-8.9

57 OF 57