V3-PSP-23-03

RESERVE @ MITCHELL MILL

PRELIMINARY SUBDIVISION PLAT V3-PSP-23-03

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

SITE INFORMATION:

LOCATION:	5109 MITCHELL MILL ROAD
COUNTY:	WAKE COUNTY
PARENT PIN:	1757571035
DB/PG:	DB 8659, PG 954
ZONING:	RM-CZ & NC-CZ
TOTAL ACREAGE:	6,033,423.28 SF (138.50 AC)
NC-CZ ZONE ACREAGE	53.88 AC
COMMERCIAL TRACT (15%):	8.08 AC
RESIDENTIAL ZONE RM-CZ:	84.62 AC
MAXIMUM UNITS PERMITTED:	395 UNITS (134 TOWNHOMES)
ZONING AND ANNEXATION:	MA 22-06 &ANX22-03

BUILDING SETBACKS (MIN) RM-CZ CLUSTER OPTION

FRONT:	20'
SIDE:	5'
REAR:	20'
CORNER:	10'
SITE PERIMETER BUFFER TYPE 2:	15'
THOROUGHFARE BUFFER (JONESVILLE & MITCHELL MILL):	30'

BUILDING SETBACKS (MIN) NC-CZ

FRONT:	15'
SIDE:	10'
REAR:	10'
SITE PERIMETER BUFFER TYPE 2:	15'
THOROUGHFARE BUFFER (JONESVILLE & MITCHELL MILL):	30'

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

FRONT 20:	20'
SIDE (STREET FRONTAGE):	10'
REAR:	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-CZ ZONING DISTRICT (COLOR CODED GOLD IN FOLLOWING PAGES)

	SFH:	TOWNHOME:
TOTAL NUMBER PROPOSED LOTS:	82 LOTS	110 LOTS
MINIMUM PROPOSED LOT SIZE:	5,000 SF	2,000 SF
MAXIMUM PROPOSED LOT SIZE:	8,355 SF	2,125 SF

RM-CZ ZONE (COLOR CODED BURGUNDY IN FOLLOWING PAGES)

	SFH:
TOTAL NUMBER PROPOSED LOTS:	186 LOTS
MINIMUM PROPOSED LOT SIZE:	5,000 SF
MAXIMUM PROPOSED LOT SIZE:	10,379 SF

OPEN SPACE BREAKDOWN:

SEE OPEN SPACE CHART PAGE C-1.2	
GREENWAY:	5,566 LF

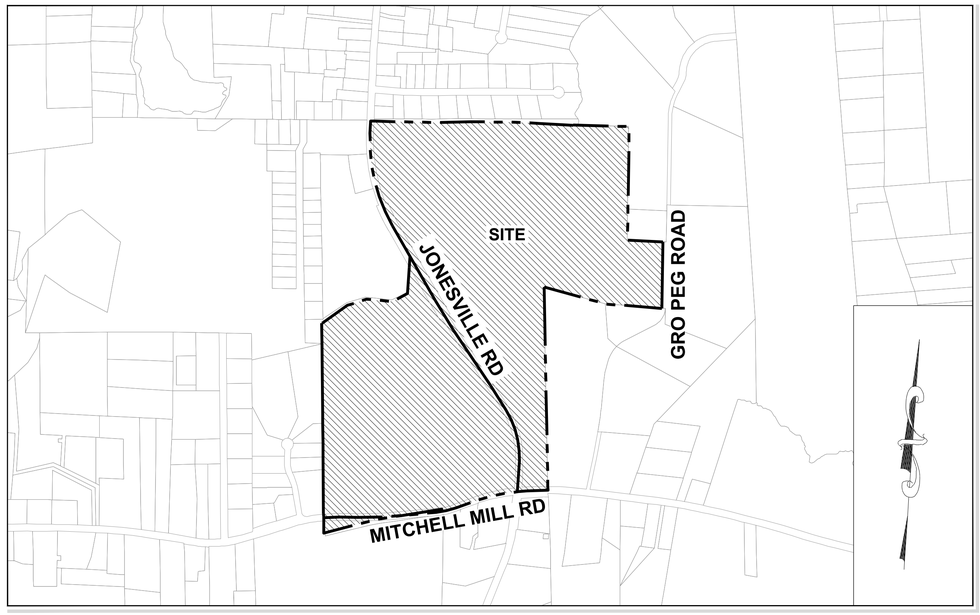
IMPERVIOUS AREAS:

NC-CZ ZONING DISTRICT:

ROADWAYS / PARKING:	281,668 SF (6.47 AC)
SIDEWALKS:	87,180 SF (2.00 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	368,848 SF (8.47 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	6.01%

RM-CZ ZONE

ROADWAYS / PARKING:	295,026 SF (6.77 AC)
SIDEWALKS:	111,721 SF (2.56 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	406,747 SF (9.34 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	6.62%



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

SITE DATA AMENDMENT TABLE

i. Building Height (Maximum): 35ft Max
ii. Maximum Building Size (NC District): Commercial 25,000 SF

iii. Building Size Proposed: Commercial TBA
iv. Minimum Lot Width: Commercial TBA
Residential Townhouse 20'
Single Family 50'

v. Minimum Lot Length (NC District): Commercial (TBA)
Residential 100'

vi. Lot Length Proposed Residential 100'

vii. Density within each Zoning District
(NC Zone) 186 Units/53 Acres 3.51 U/A
(RM-CZ Zone) 182 Units/84 AC 2.16 U/A

viii. Minimum building square footage as specified in MA22-06 Conditions of Approval
Townhomes 1200 SF
Single Family Homes 2000 SF

ix. Parking Provided (Per Use)
Commercial (TBA)
Townhomes 2.25 Spaces per Unit 110: 247.5
Required
On site in driveway 2 Cars: 220 Cars
Off Street Parking Spaces: 35 Spaces
Off Street Handicap Parking: 4 spaces
Total Parking: 259 Spaces

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

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03	TOWN OF ROLESVILLE COMMENTS PSP-V3-23-03	03/01/2024	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 SUBDIVISION PLAT
COVER SHEET

DRAWING SHEET
C-1.0

01 OF 76

PROGRESS PLOT DATE: 03/01/2024

MA-22-06
Approved January 17, 2023

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 I 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 crosssection 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
      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 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:

13. All uses permitted in the Neighborhood Center Mixed-Use district shall be permitted within the NC-CZ except Dwellings, Multiple Family (apartments) shall only be permitted in buildings with commercial uses located on the ground floor.

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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 SUBDIVISION PLAT
ZONING CONDITION

DRAWING SHEET
C-1.1

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NC-CZ District	AC	SF	Requirement	
Overall Site	53.89	2347443.33		
Commercial Space	8.08	352116.50	15%	
Total Buffer	2.71	118236.27		
50% Buffer	1.36	59118.14		
Open Space	12.11	527339.62		
Wetlands	6.07	264262.09		
Total Open Space	**19.53**	**850719.85**		
Passive minus wetland	13.46	586457.76		
Active Open Space REQUIRED	6.73	293228.88		
ACTIVE OPEN SPACE	6.73	293228.88		
NC-CZ District Section 6.2.1.D.2.C				
1. Medium Open Space 1 (TH)	2.463	107271.76	1 to 2.5 Acres	Measured Mile Cross County Circuit
2. Medium Open Space 2 (SFH)	1.714	74660.86	1 to 2.5 Acres	Frisbee golf course
3.Small Open Space 1	0.797	34728.09	. 011 to 1.0 Acre	Town Home Exercise stations
4. Small Open Space 2	0.344	15000.00	. 011 to 1.0 Acre	Town Home Chess Walk
5. Small Open Space 3	1.492	65000.00	. 011 to 1.0 Acre	Future Commercial Plaza
TOTAL	**6.810**	**296660.71**		

RH District	AC	SF		
Overall Site	84.62	3685979.95		
Required Conservation Space	33.85	1474391.98	40%	
Total Buffer	3.77	164193.75		
50% Buffer	1.88	82096.875		
Open Space	15.66	682210.08		
Wetlands	25.59	1114590.87		
Programmed Space	4.79	208757.21		
Total Area	**47.93**	**2087655.035**		
Bonus Space exceeding 40%	**14.08**	**613263.055**		
Net Passive Area	**22.34**	**973064.165**		
Active Open Space	**11.17**	**486532.0825**		
RH-CZ District Section 6.2.1.D.1.b.				
1. Medium Open Space	1.55	67518	1 to 2.5 Acres	Clubhouse
2. Medium Open Space	1.05	45738	1 to 2.5 Acres	Park 4 Infield
3. Small Open Space	0.18	7840.8	. 011 to 1.0 Acre	Playground A
	2.78	121096.8		
Active Recreation Space	3.24	141035.79		RM-OS-04
Parkour Circuit	4.23	184490.71		RM-OS-11
Outdoor recreation area	1.17	51073.52		RM-OS-05
	8.64			
Total Recreation Space RM-CZ	**11.42**			

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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 SUBDIVISION PLAT
OPEN SPACE DIAGRAM

DRAWING SHEET
C-1.2

03 OF 76

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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
P̲	PROPERTY LINE
ABC	AGGREGATE BASE ASPH ASPHALT
AHJ	AUTHORITY HAVING JURISDICTION
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
E.O.R	ENGINEER OF RECORD
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

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
LEN	LENGTH
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	THRUST BLOCKING
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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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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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

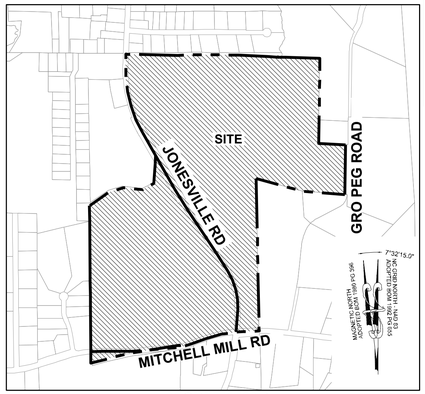
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
CIVIL NOTES

DRAWING SHEET
C-2.0

PROGRESS PLOT DATE: 03/01/2024

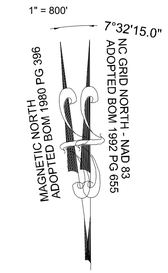
PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.73'	177.68'	N 84°38'46" W
C2	1293.60'	5.35'	5.35'	N 86°58'07" W
C3	1293.60'	337.11'	336.16'	S 85°26'50" W
C4	713.00'	127.72'	127.55'	S 83°06'48" W
C5	713.00'	48.21'	48.20'	N 89°49'04" W
C6	3289.02'	363.69'	363.50'	N 84°42'47" W
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'



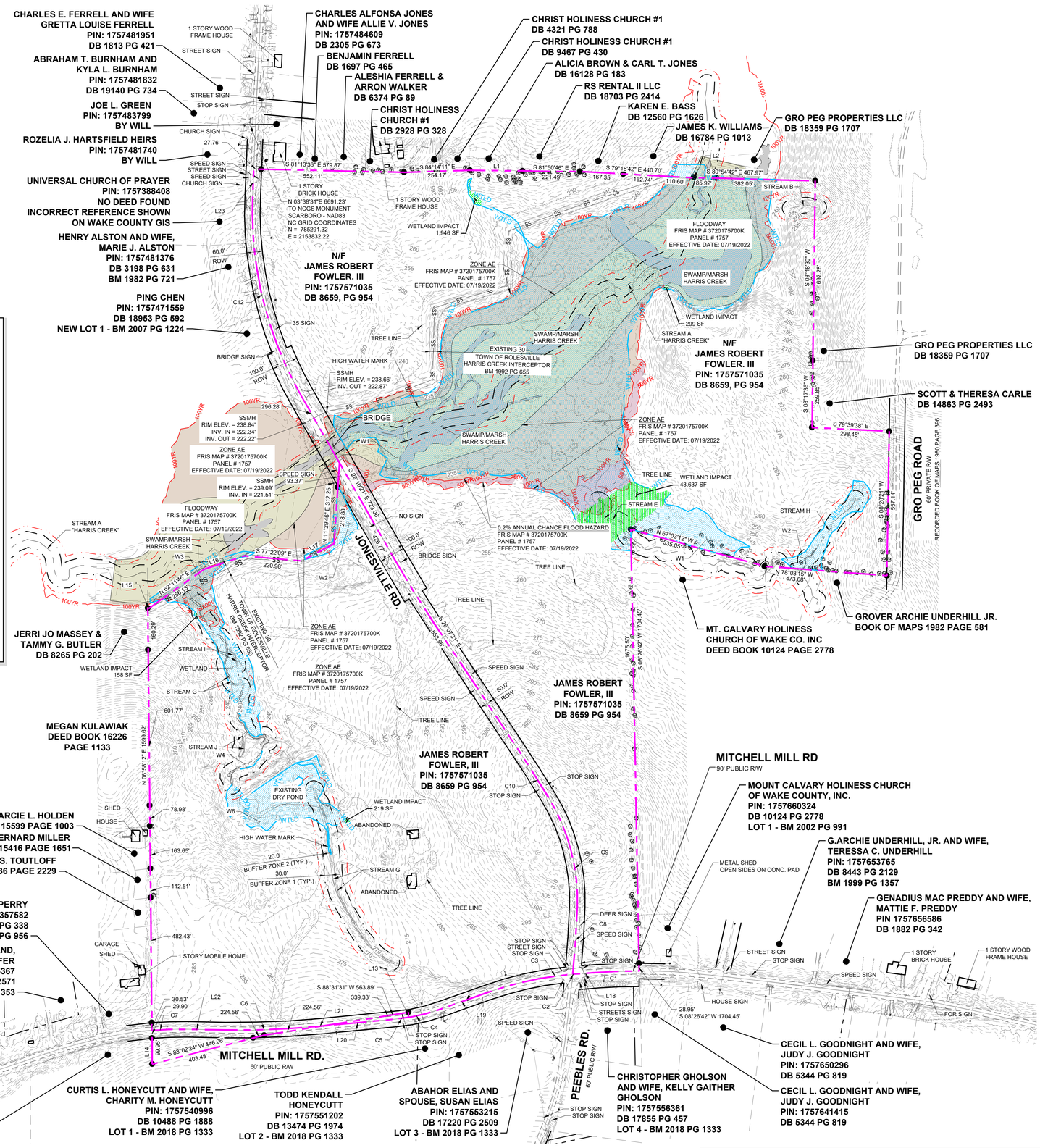
GRAPHIC SCALE

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 INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- EXISTING TREE
- NEW IRON PIPE
- EXISTING IRON PIPE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- WETLAND IMPACTS



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

DRAWING SHEET
C-3.0

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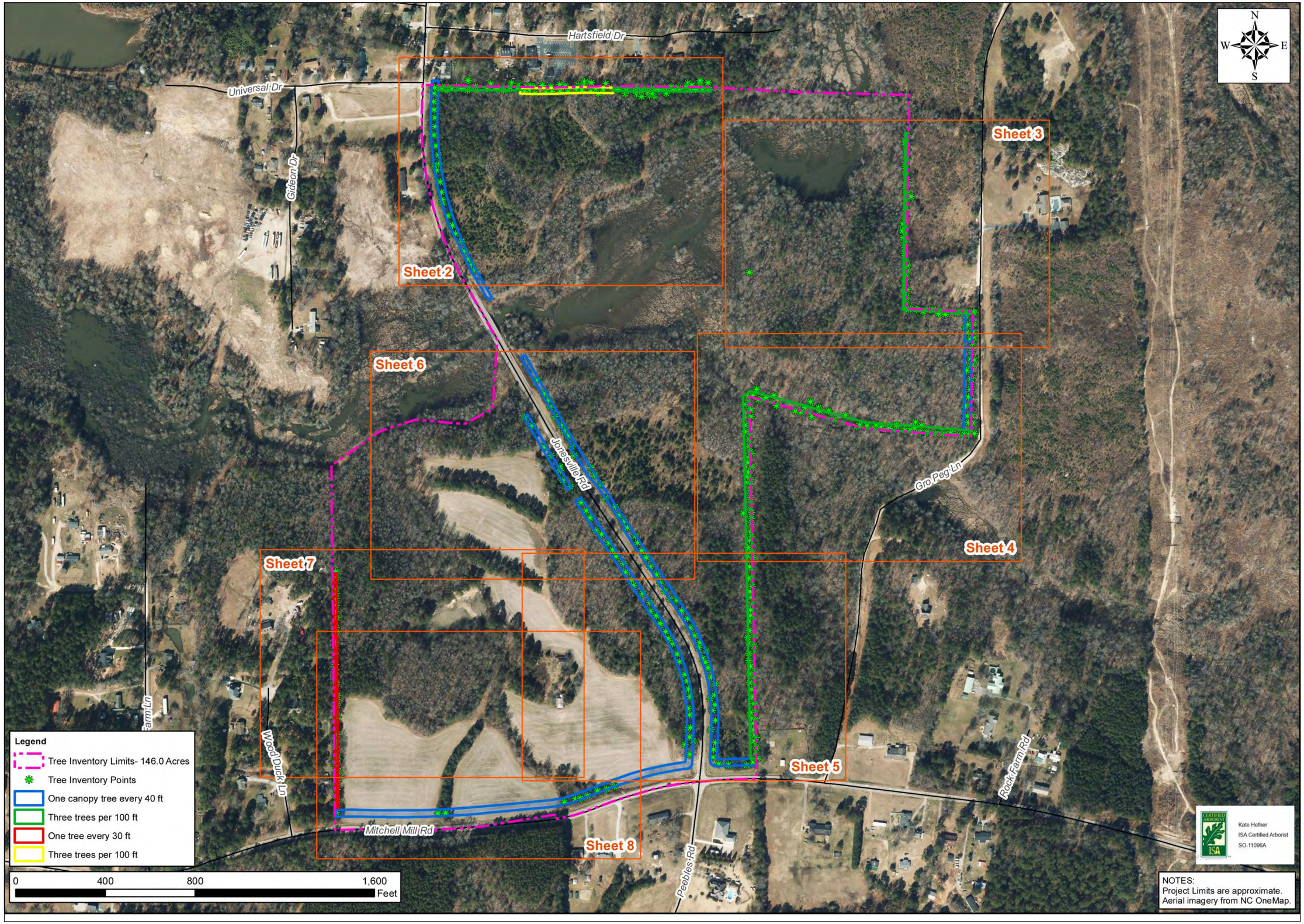

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PRELIMINARY SUBDIVISION PLAT

OVERALL TREE INVENTORY MAP

DRAWING SHEET
C-3.1

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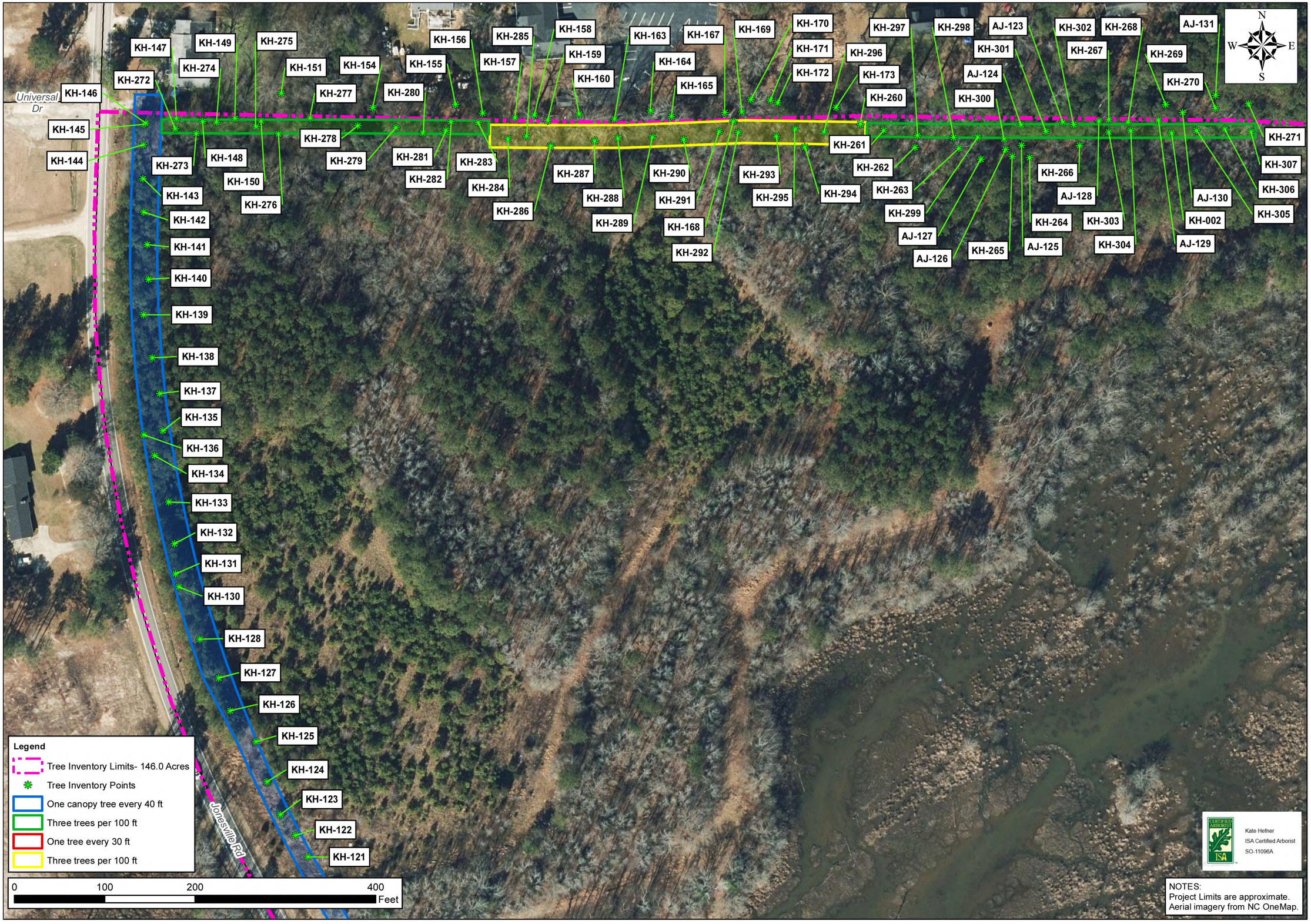

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PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP I

DRAWING SHEET
C-3.2

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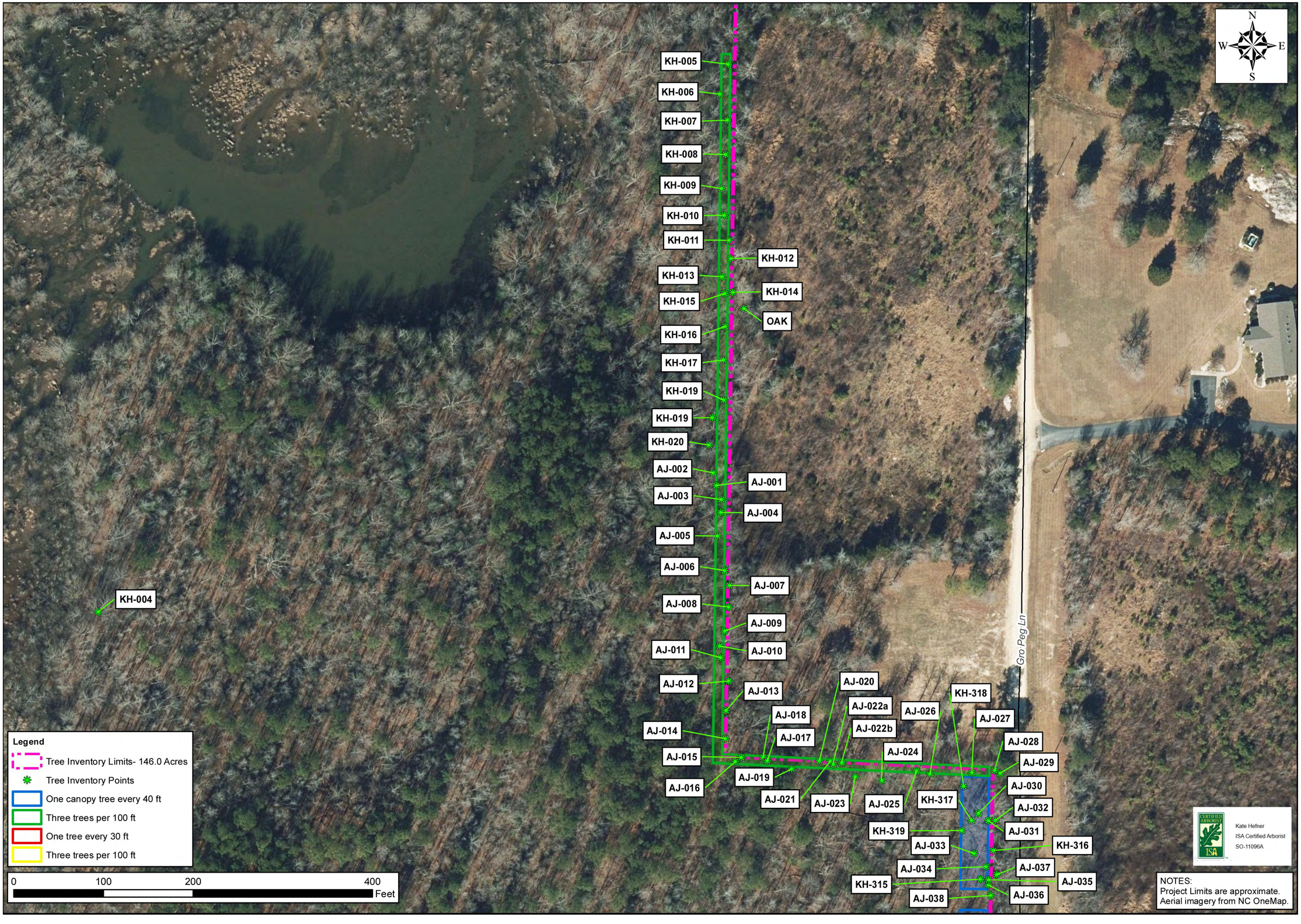

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STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL TREE INVENTORY MAP II

DRAWING SHEET

C-3.3

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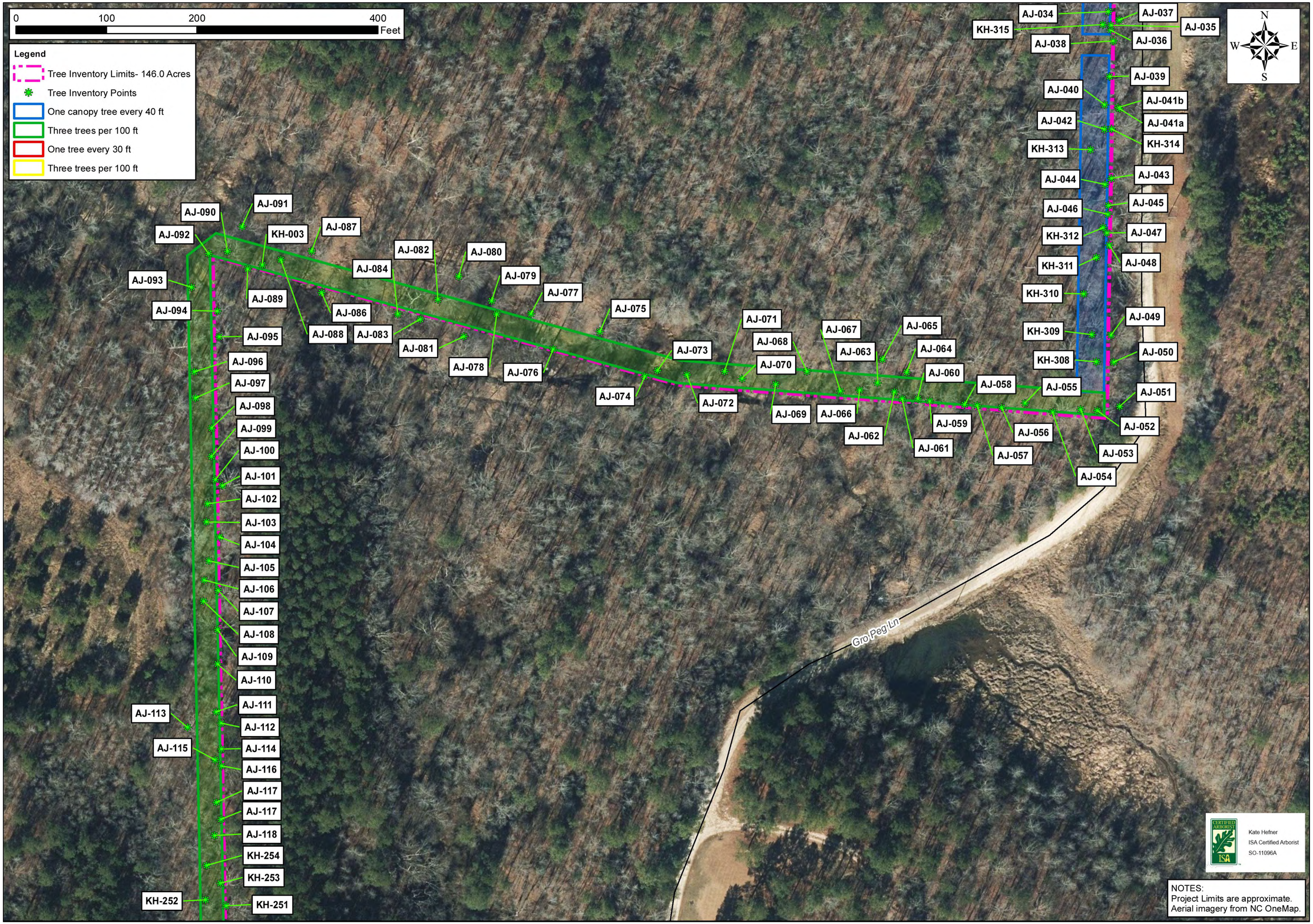
PROGRESS PLOT DATE: 03/01/2024



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
03	TOWN OF ROLESVILLE COMMENTS PSP-V3 23-03	03/01/2024	SREG

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

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PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP III

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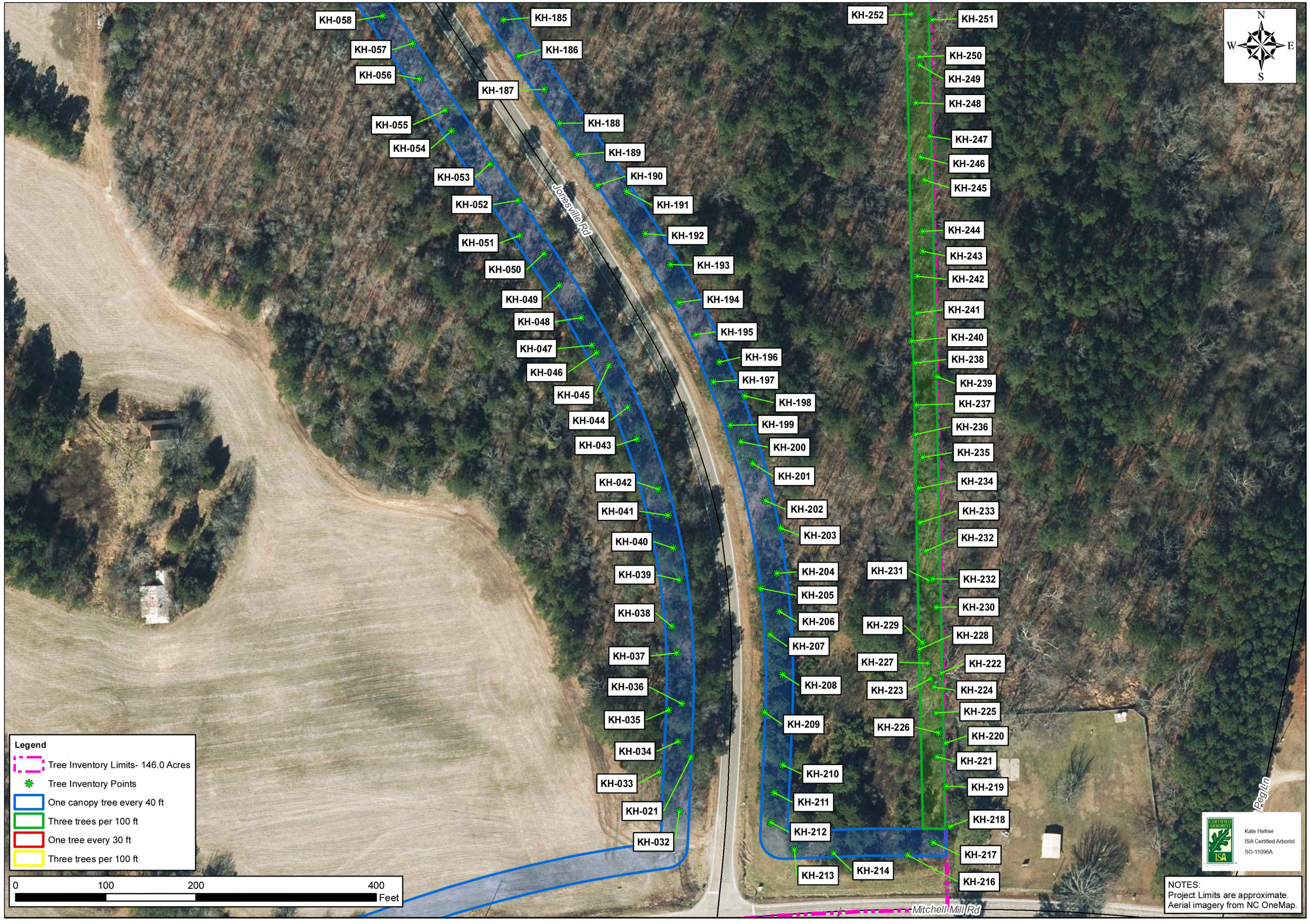

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03	TOWN OF ROLESVILLE COMMENTS PSP-V3 23-03	03/01/2024	SREG

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP IV

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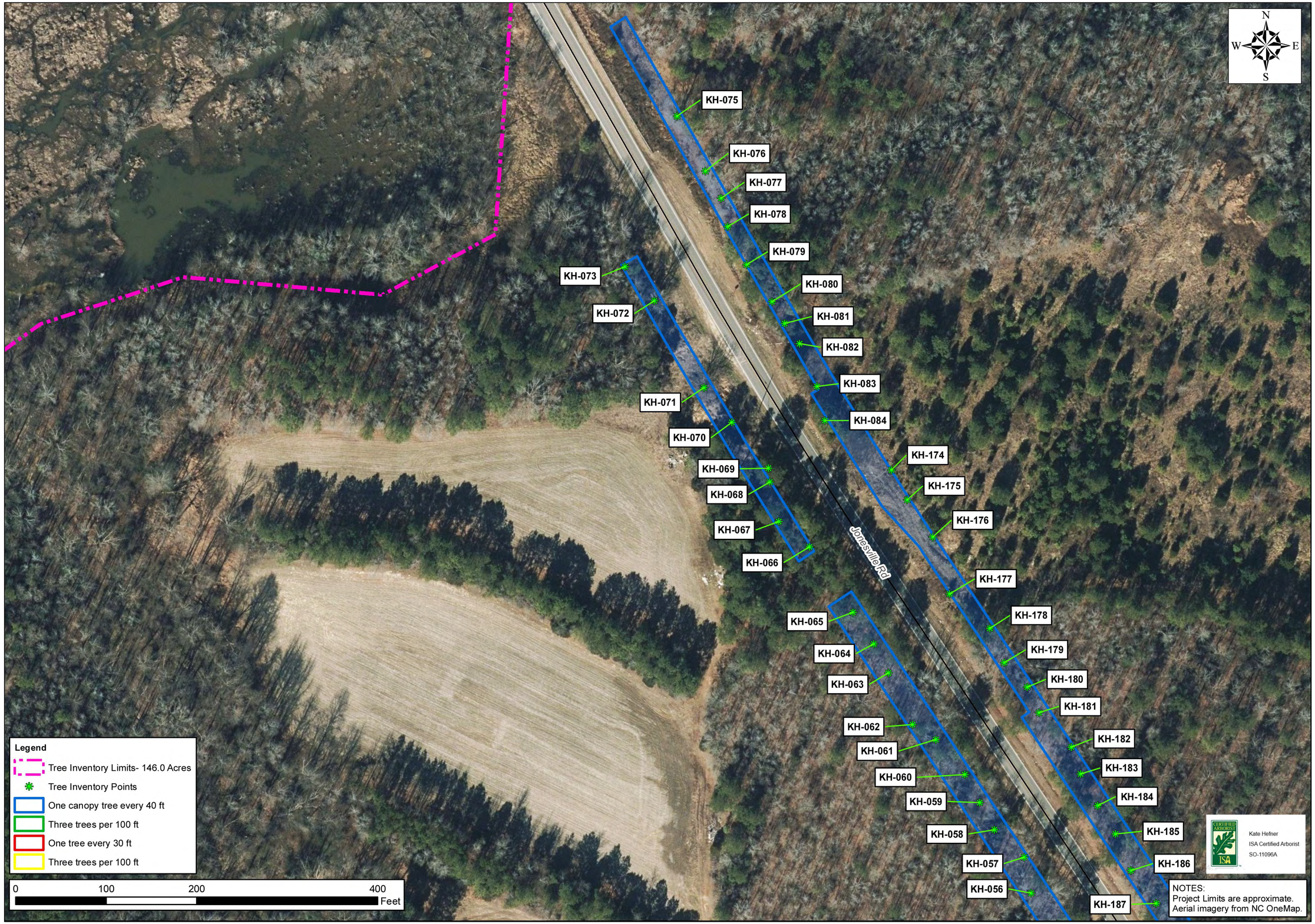

No.	REVISIONS	DATE	BY
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				DRAWN BY	SRG
				CHECKED BY	JWL

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP V

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02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE COMMENTS PSP-V2-23-03	03/01/2024	SREG

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PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP VI

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP VII

DRAWING SHEET

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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	6"	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

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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 SUBDIVISION PLAT

TREE INVENTORY TABLE

DRAWING SHEET
C-3.9

14 OF 76

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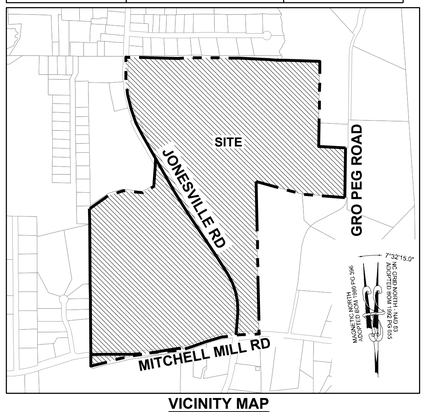
PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.73'	177.68'	N 84°38'46" W
C2	1293.60'	5.35'	5.35'	N 86°58'07" W
C3	1293.60'	337.11'	336.16'	S 85°26'50" W
C4	713.00'	127.72'	127.55'	S 83°06'48" W
C5	713.00'	48.21'	48.20'	N 89°49'04" W
C6	3289.02'	363.69'	363.50'	N 84°42'47" W
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)

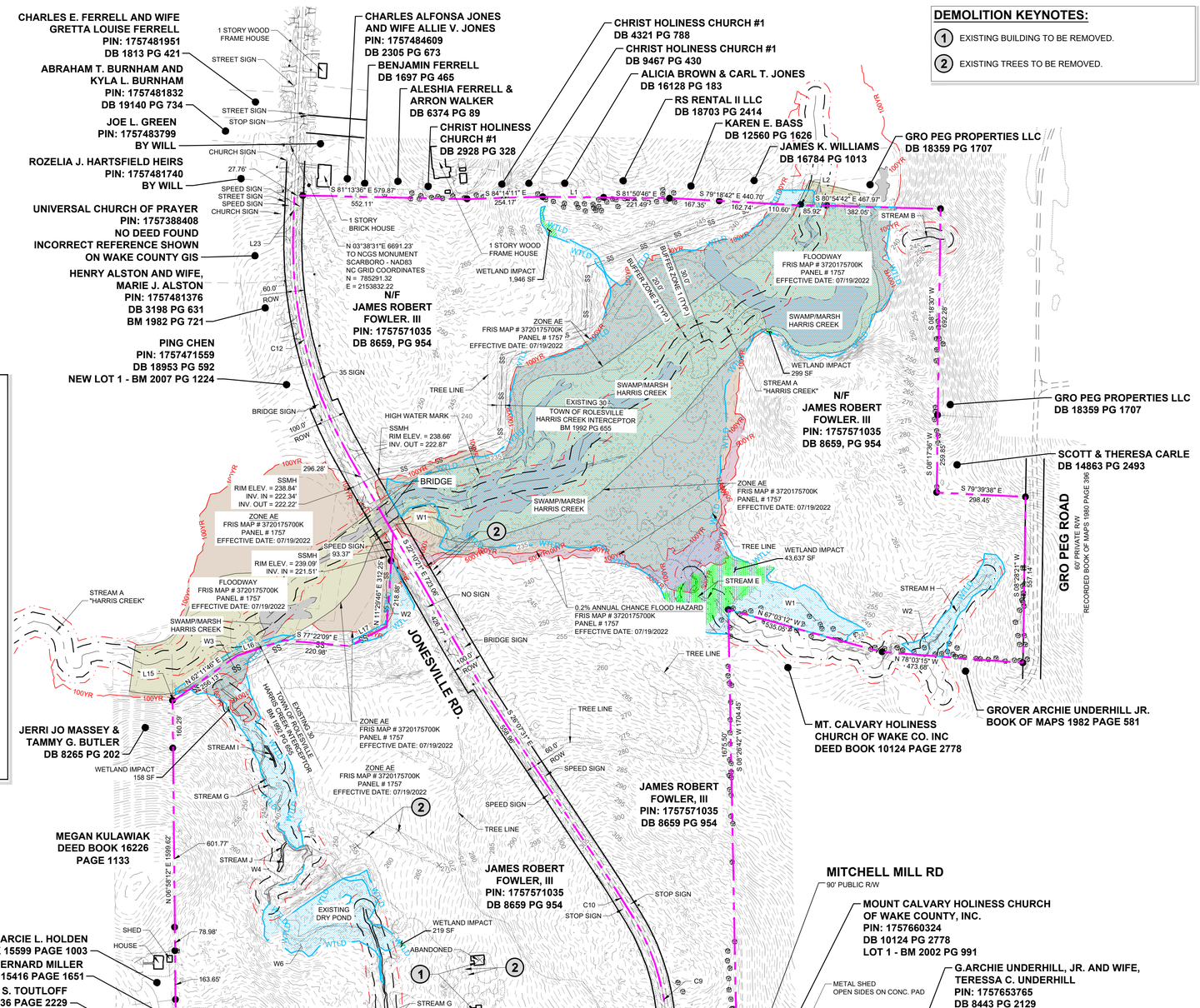
1 inch = 200 ft.

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 5' CONTOUR
- 1' CONTOUR
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- EXISTING TREE
- NEW IRON PIPE
- EXISTING IRON PIPE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- WETLAND IMPACTS

DEMOLITION KEYNOTES:

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



BY	DATE	REVISIONS	No.
SREG	08/01/2023	PRELIMINARY SUBDIVISION PLAT PSP-23-03	01
SREG	12/05/2023	TOWN OF ROLESVILLE COMMENTS PSP-23-03	02
SREG	03/01/2024	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

DEMOLITION PLAN

DRAWING SHEET

C-4.0

15 OF 76

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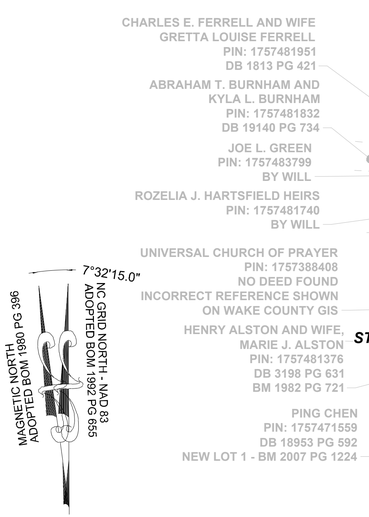
PROGRESS PLOT DATE: 03/01/2024

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'	282.58'	N89°36'34"E	10+00.00	12+82.58
L3	STREET 'B'	274.71'	N85°56'51"E	13+46.50	16+21.20
L4	STREET 'B'	25.00'	N2°52'16"W	16+21.21	16+46.20
L5	STREET 'C'	398.73'	N90°00'00"E	10+00.00	13+98.73
L6	STREET 'C'	167.06'	N66°21'40"E	16+05.02	17+72.08
L7	STREET 'D'	270.12'	N89°36'34"E	10+00.00	12+70.12
L8	STREET 'E'	115.42'	N14°39'30"W	10+00.00	11+15.42
L9	STREET 'E'	17.18'	N2°10'11"W	11+91.71	12+08.88
L10	STREET 'E'	288.95'	N23°37'43"W	13+24.99	16+13.93
L11	STREET 'E'	76.14'	N8°29'13"W	17+46.08	18+22.21
L12	STREET 'E'	274.64'	N33°36'56"W	19+58.17	22+32.81
L13	STREET 'E'	56.04'	N10°59'05"W	23+55.26	24+11.30
L14	STREET 'E'	12.51'	N31°53'05"W	25+17.73	25+30.24
L15	STREET 'F'	116.47'	S56°12'22"W	10+00.00	11+16.47
L16	STREET 'F'	351.71'	S79°05'59"W	12+40.34	15+92.05
L17	STREET 'G'	7.60'	N12°48'44"W	10+00.00	10+07.60
L18	STREET 'G'	169.36'	N33°39'46"W	10+91.30	12+60.65
L19	STREET 'H'	205.88'	S56°21'23"W	10+00.00	12+05.88
L20	STREET 'H'	298.92'	S81°30'47"W	13+59.56	16+58.48
L21	STREET 'I'	1222.94'	N56°12'22"E	10+00.00	22+22.94
L22	STREET 'I'	451.93'	S87°11'53"E	25+42.30	29+94.22
L23	STREET 'J'	726.67'	S33°46'39"E	10+00.00	17+26.67
L24	STREET 'J'	52.63'	S1°05'25"E	18+57.89	19+10.52
L25	STREET 'K'	103.46'	S33°47'38"E	10+00.00	11+03.46
L26	STREET 'K'	530.88'	S1°05'25"E	12+34.74	17+65.61

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L27	STREET 'L'	176.90'	N33°46'39"W	10+00.00	11+76.90
L28	STREET 'L'	351.89'	N56°12'22"E	11+76.90	15+28.79
L29	STREET 'L'	25.00'	N33°47'38"W	15+28.79	15+53.79
L30	STREET 'M'	11.85'	N28°40'26"W	10+00.00	10+11.85
L31	STREET 'M'	264.97'	N0°41'10"E	11+29.71	13+94.68
L32	STREET 'M'	258.23'	S89°18'50"E	13+94.68	16+52.91
L33	STREET 'N'	434.34'	N0°41'10"E	10+00.00	14+34.34
L34	STREET 'O'	61.73'	S28°40'26"E	10+00.00	10+61.73
L35	STREET 'O'	2.61'	N59°15'52"E	14+31.29	14+33.90
L36	STREET 'O'	4.68'	N2°48'07"E	16+60.56	16+65.24
L37	STREET 'P'	491.62'	N65°38'58"E	10+00.00	14+91.62
L38	STREET 'P'	27.48'	N0°01'05"W	19+50.07	19+77.54
L39	STREET 'R'	802.07'	N89°58'55"E	10+00.00	18+02.07
L40	STREET 'S'	85.37'	S88°54'35"W	10+00.00	10+85.37
L41	STREET 'S'	2.12'	S56°13'21"W	12+16.59	12+18.71
L42	PUBLIC ALLEY '1'	22.33'	S12°40'01"E	10+00.00	10+22.33
L43	PUBLIC ALLEY '1'	341.67'	S33°36'56"E	10+77.18	14+18.84
L44	PUBLIC ALLEY '1'	125.34'	S23°26'24"E	14+45.48	15+70.82
L45	PUBLIC ALLEY '2'	16.09'	N56°23'04"E	10+00.00	10+16.09
L46	PUBLIC ALLEY '2'	303.00'	N79°05'59"E	10+75.57	13+78.57
L47	PUBLIC ALLEY '2'	111.56'	N56°23'04"E	14+38.04	15+49.60
L48	PUBLIC ALLEY '3'	20.01'	N56°23'04"E	10+00.00	10+20.01
L49	PUBLIC ALLEY '3'	225.68'	N81°30'47"E	10+85.80	13+11.48
L50	PUBLIC ALLEY '3'	171.20'	N56°21'23"E	13+77.34	15+48.54
L51	PUBLIC ALLEY '4'	523.87'	N58°06'55"E	10+00.00	15+23.87
L52	PRIVATE DRIVEWAY	335.89'	S33°36'56"E	10+00.00	13+35.89

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	STREET 'B'	1000.00'	63.91'	63.90'	N87°46'43"E	12+82.58	13+46.49
C2	STREET 'C'	500.00'	206.29'	204.83'	N78°10'50"E	13+98.73	16+05.02
C3	STREET 'E'	350.00'	76.29'	76.14'	N8°24'51"W	11+15.42	11+91.71
C4	STREET 'E'	310.00'	116.10'	115.43'	N12°53'57"W	12+08.88	13+24.99
C5	STREET 'E'	500.00'	132.14'	131.75'	N16°03'28"W	16+13.93	17+46.07
C6	STREET 'E'	310.00'	135.96'	134.87'	N21°03'04"W	18+22.21	19+58.17
C7	STREET 'E'	310.00'	122.44'	121.65'	N22°18'00"W	22+32.81	23+55.26
C8	STREET 'E'	310.00'	106.42'	105.90'	N22°05'22"W	24+11.30	25+17.72
C9	STREET 'F'	310.00'	123.87'	123.04'	S67°39'11"W	11+16.47	12+40.33
C10	STREET 'G'	230.00'	83.70'	83.24'	N23°14'15"W	10+07.60	10+91.30
C11	STREET 'H'	350.00'	153.67'	152.44'	S68°56'05"W	12+05.88	13+59.56
C12	STREET 'I'	500.00'	319.36'	313.96'	N74°30'15"E	22+22.94	25+42.30
C13	STREET 'J'	230.00'	131.21'	129.44'	S17°26'02"E	17+26.67	18+57.89
C14	STREET 'K'	230.00'	131.28'	129.51'	S17°26'31"E	11+03.46	12+34.74
C15	STREET 'M'	230.00'	117.86'	116.57'	N13°59'38"W	10+11.85	11+29.71
C16	STREET 'O'	230.00'	369.56'	331.07'	S74°42'17"E	10+61.73	14+31.29
C17	STREET 'O'	230.00'	226.66'	217.60'	N31°02'00"E	14+33.90	16+60.56
C18	STREET 'P'	400.00'	458.45'	433.76'	N32°48'56"E	14+91.62	19+50.06
C19	STREET 'Q'	1250.00'	518.68'	514.96'	S11°25'57"E	10+00.00	15+18.68
C20	STREET 'S'	230.00'	131.21'	129.44'	S72°33'58"W	10+85.37	12+16.59
C21	PUBLIC ALLEY '1'	150.00'	54.84'	54.54'	S23°08'29"E	10+22.33	10+77.17
C22	PUBLIC ALLEY '1'	150.00'	26.64'	26.60'	S28°31'40"E	14+18.84	14+45.48
C23	PUBLIC ALLEY '2'	150.00'	59.47'	59.08'	N67°44'32"E	10+16.09	10+75.56
C24	PUBLIC ALLEY '2'	150.00'	59.47'	59.08'	N67°44'32"E	13+78.57	14+38.03
C25	PUBLIC ALLEY '3'	150.00'	65.79'	65.26'	N68°56'56"E	10+20.01	10+85.79
C26	PUBLIC ALLEY '3'	150.00'	65.86'	65.33'	N68°56'05"E	13+11.48	13+77.34



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

LEGEND:

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

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT SEAL

STRONGROCK ENGINEERING GROUP

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305 CHURCH ST. SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

OVERALL SITE PLAN

DRAWING SHEET

C-5.0

16 OF 76

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PROGRESS PLOT DATE: 03/01/2024

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

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT

10'X70' SIGHT DISTANCE TRIANGLES

CROSSWALK (TYP.)

STREET 'R'
50' PUBLIC R/W

RM OS 13
COMMUNITY GARDEN AMENITY
1.59 AC
PRIVATE COMMUNITY PATH
INCLUDED IN COMMUNITY GARDEN
SITE PLAN SEPARATE SUBMITTAL

MATCH LINE
FOR CONTINUATION, SEE C-5.2

15.0' TYPE II PERIMETER BUFFER

20.0' PUBLIC DRAINAGE EASEMENT

PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT

STOP SIGN (TYP.)

STOP BAR (TYP.)

STREET 'Q'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

RM OS 15
1.05 AC

RETAINING WALL (TYP.)

RM OS 12
3.37 AC

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

FLOODZONE AE

FLOODWAY

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

BUFFER ZONE 1 (TYP.) 20.0'

W1

RM OS 14
0.18 AC

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
60' ROW

10'X70' SIGHT DISTANCE TRIANGLES

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

SCM MAINTENANCE EASEMENT

SCM #6 WET POND

10'X70' SIGHT DISTANCE TRIANGLES

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-5.4

7°32'15.0" NC GRID NORTH - NAD 83 ADOPTED BDOM 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-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, LINE & CURVE TABLE.

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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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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 SUBDIVISION PLAT
PARTIAL SITE PLAN I

DRAWING SHEET
C-5.1

17 OF 76

PROGRESS PLOT DATE: 03/01/2024

KAREN E. BASS
DB 12560 PG 1626

JAMES K. WILLIAMS
DB 16784 PG 1013

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

RM OS 13
COMMUNITY GARDEN AMENITY
1.59 AC
PRIVATE COMMUNITY PATH
INCLUDED IN COMMUNITY GARDEN
SITE PLAN SEPARATE SUBMITTAL

MATCH LINE
FOR CONTINUATION, SEE C-5.1

15.0' TYPE II PERIMETER BUFFER

30.0' EXISTING TOWN OF ROLESVILLE 24" HARRIS CREEK INTERCEPTOR BM 1992 PG 855

STREAM A "HARRIS CREEK"

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

W1

BUFFER ZONE 2 (TYP.) 20.0'

BUFFER ZONE 1 (TYP.) 30.0'

20.0' PRIVATE DRAINAGE EASEMENT

30.0' GREENWAY EASEMENT

10.0' GREENWAY

RETAINING WALL (TYP.)

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

STREAM B

SCM MAINTENANCE EASEMENT

GENERIC WOODEN PRIVACY FENCE 6' TALL

10.0' BERM

SCM #5
WETPOND

15.0' TYPE II PERIMETER BUFFER

20.0' PUBLIC DRAINAGE EASEMENT

STREET 'M'
50' PUBLIC R/W

STREET 'N'
50' PUBLIC R/W

CROSSWALK (TYP.)

SIDEWALK 5.0'

50.0' ROW

24.0' EOP

29.0' B-B

RM OS 10
3.32 AC

SCM MAINTENANCE EASEMENT

FLOOD ZONE AE

10.0' BERM

SCM #4
WET POND

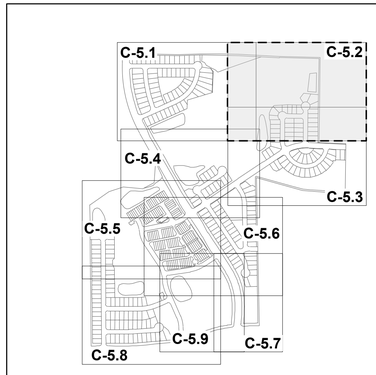
GRO PEG
PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA
CARLE
DB 14863 PG 2493

MATCH LINE
FOR CONTINUATION, SEE C-5.3

1	7,143 SF
2	5,161 SF
3	5,587 SF
4	5,500 SF
5	5,500 SF
6	5,500 SF
7	5,500 SF
8	5,203 SF
9	5,203 SF
10	5,206 SF
11	5,206 SF
12	5,206 SF
13	5,206 SF
14	5,592 SF
15	5,592 SF
16	5,005 SF
17	5,000 SF
18	6,538 SF
19	5,755 SF
20	5,056 SF
21	8,050 SF
22	10,187 SF
23	6,440 SF
24	5,543 SF
25	5,697 SF
26	5,694 SF
27	5,691 SF
28	5,688 SF
29	5,684 SF
30	5,681 SF

SITE KEY PLAN



SITE KEY PLAN LEGEND:

SEE SHEET C-5.0 FOR LEGEND, LINE & CURVE TABLE.

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1990 PG 396
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 855

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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

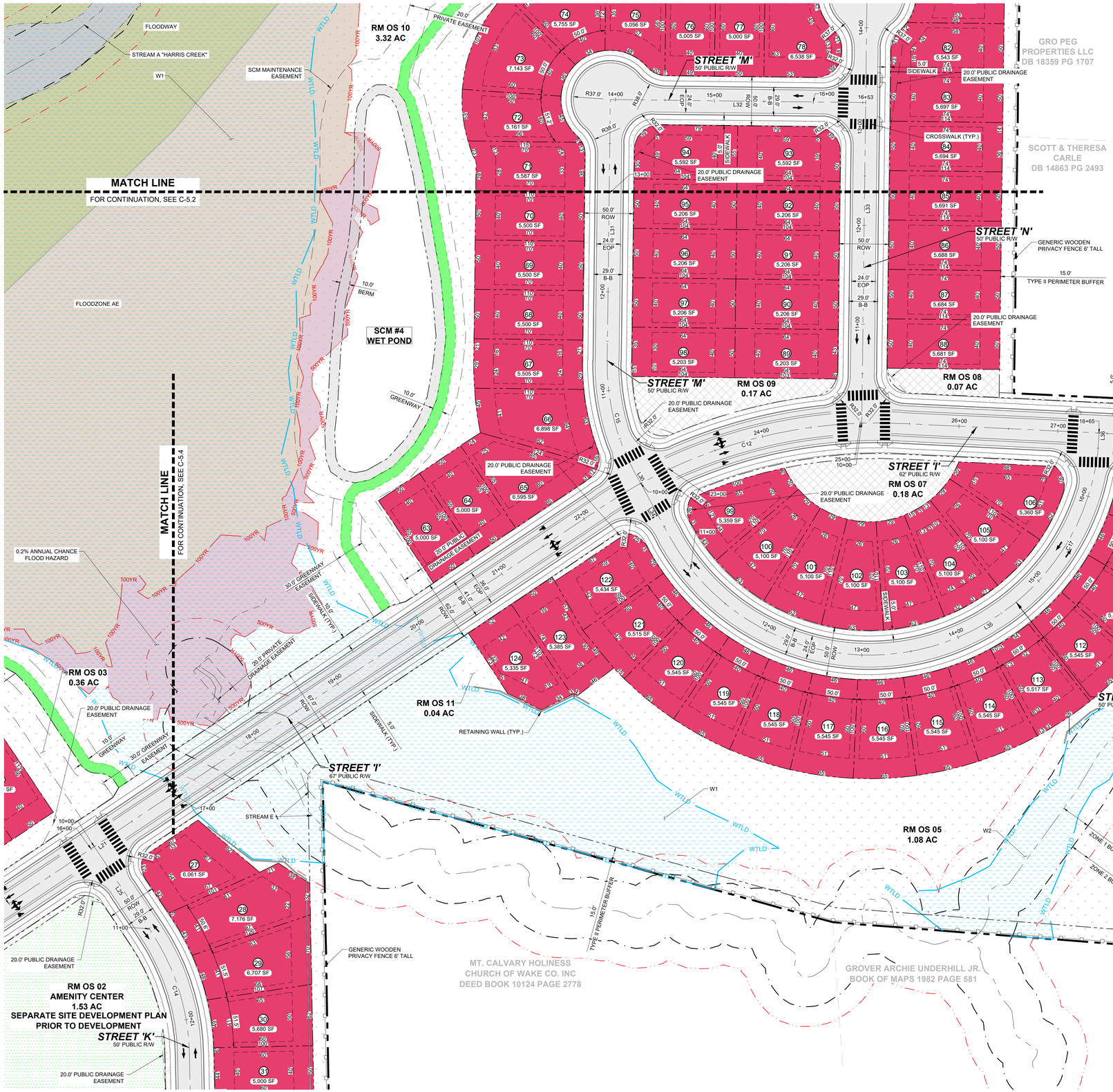
STRONG ROCK PROJECT	PSP-23-03		
NOT FOR CONSTRUCTION			
SCALE	AS SHOWN	DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

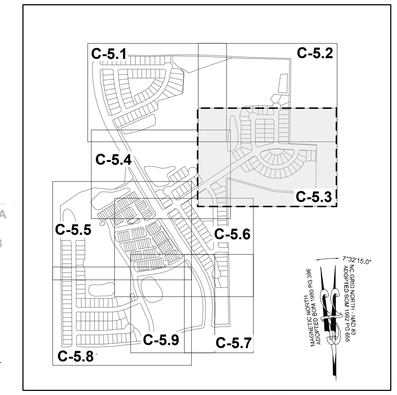
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PARTIAL SITE PLAN II

DRAWING SHEET
C-5.2

18 OF 76

PROGRESS PLOT DATE: 03/01/2024





SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND, LINE & CURVE TABLE.

7°32'15.0"

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

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03	TOWN OF ROLESVILLE COMMENTS PSP V3-23-03	03/01/2024	SREG

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

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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 SUBDIVISION PLAT

PARTIAL SITE PLAN III

DRAWING SHEET
C-5.3

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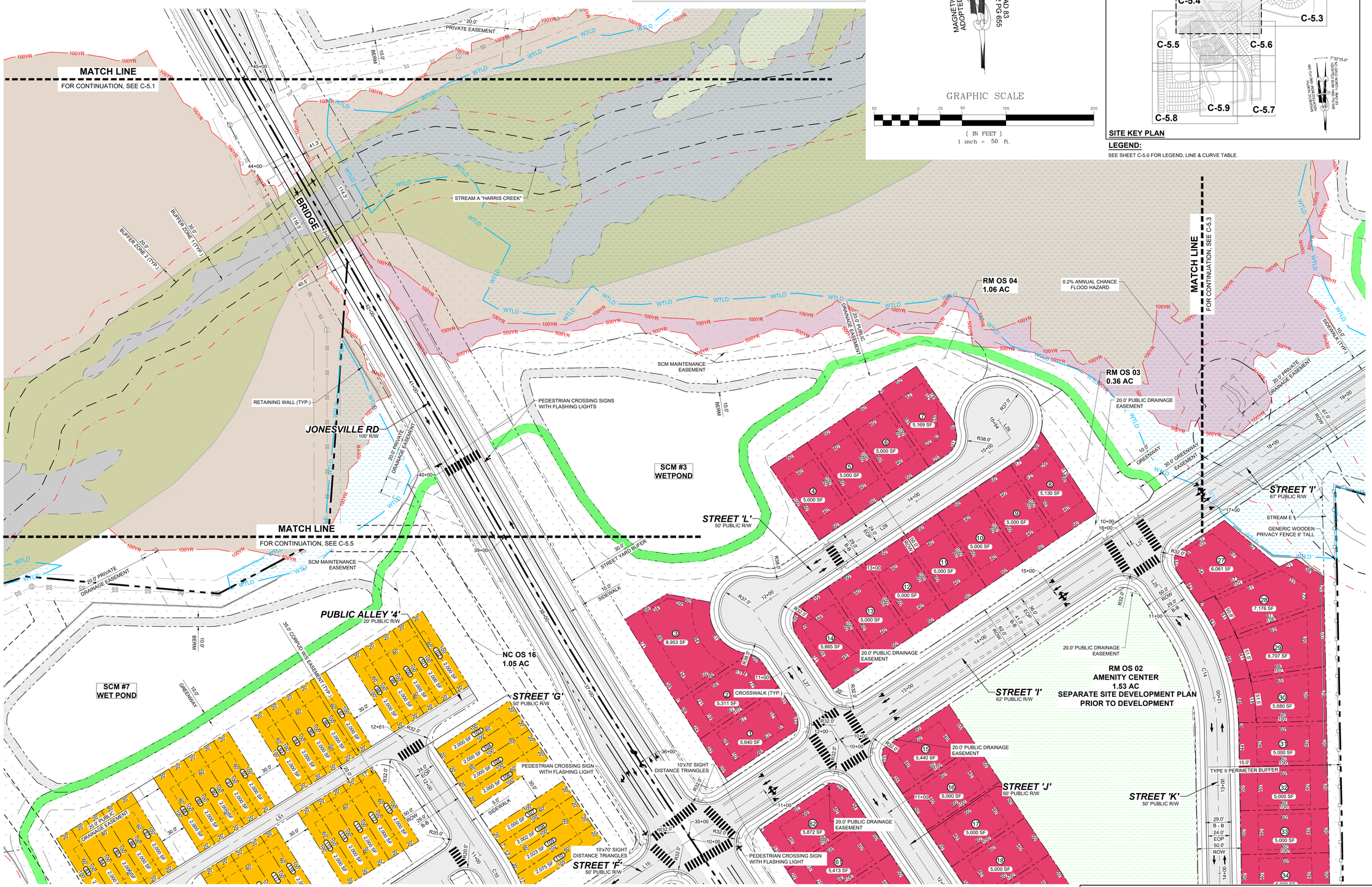
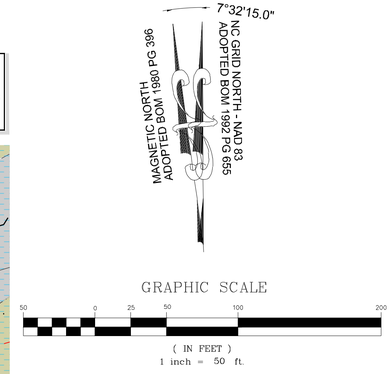
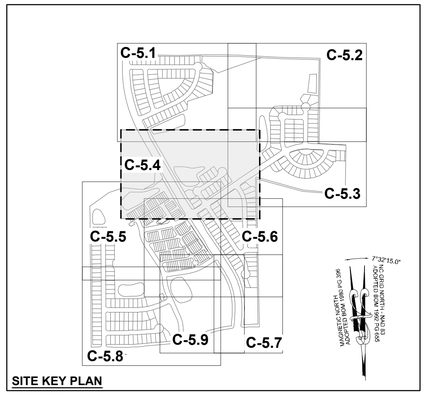
PROGRESS PLOT DATE: 03/01/2024

TOWNHOME NOTES:

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







SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND, LINE & CURVE TABLE.

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

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NOT FOR CONSTRUCTION	
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DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL SITE PLAN IV

DRAWING SHEET

C-5.4

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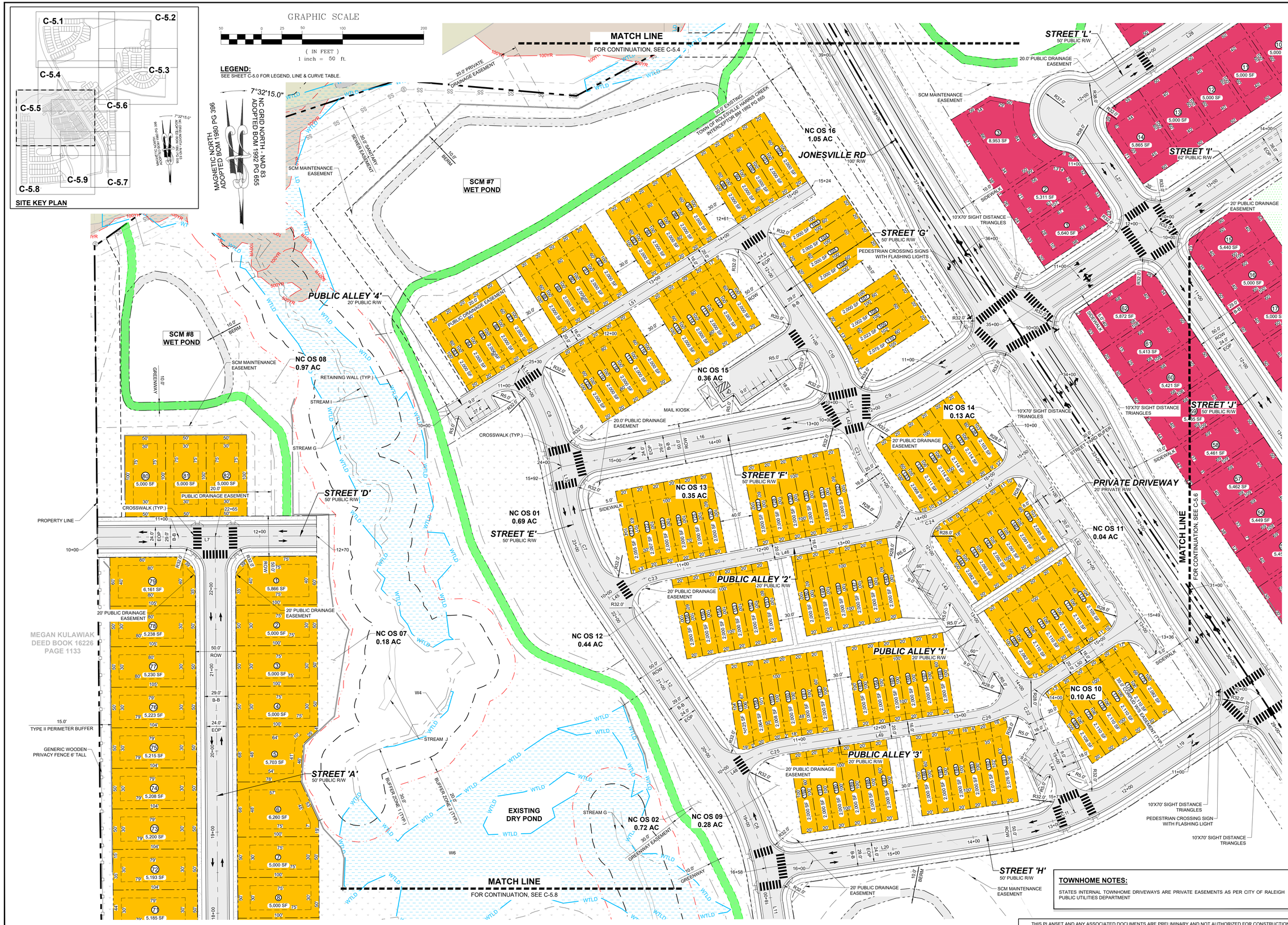
PROGRESS PLOT DATE: 03/01/2024



TOWNHOME NOTES:

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

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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

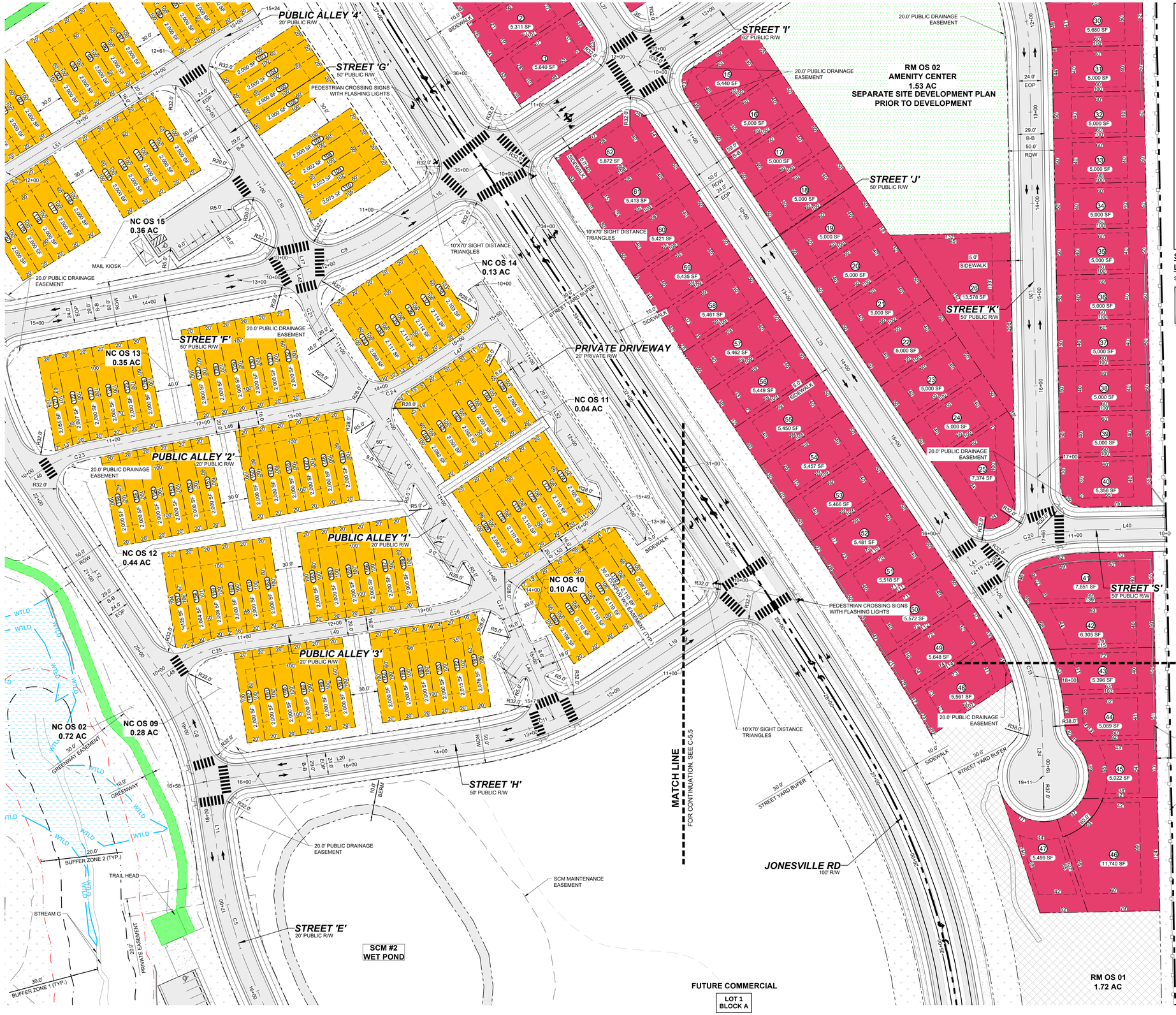
PRELIMINARY SUBDIVISION PLAT

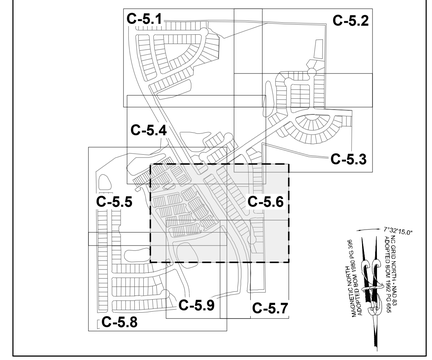
PARTIAL SITE PLAN V

DRAWING SHEET

C-5.5

PROGRESS PLOT DATE: 03/01/2024





SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND, LINE & CURVE TABLE.

TOWNHOME NOTES:

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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 SUBDIVISION PLAT

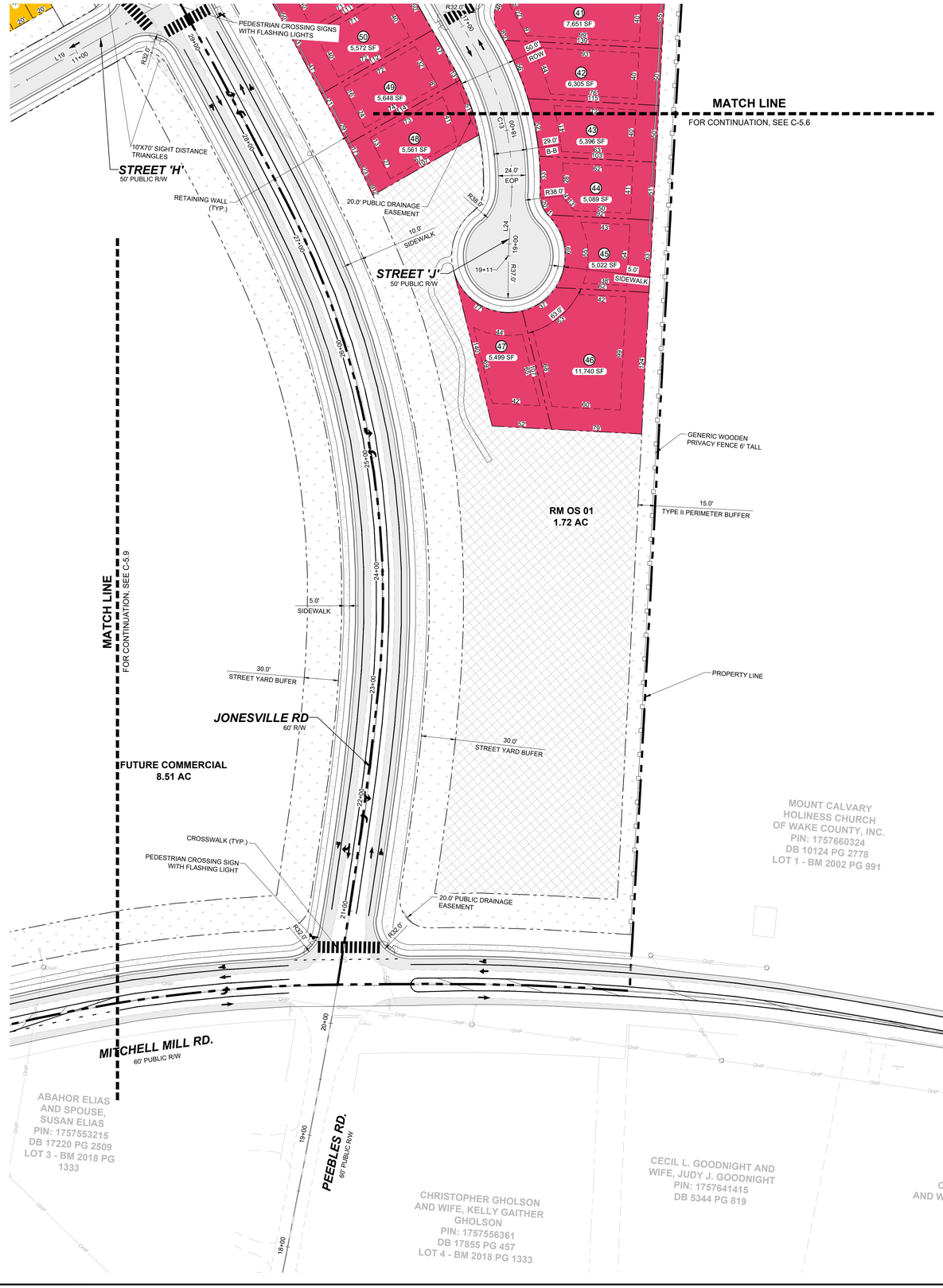
PARTIAL SITE PLAN VI

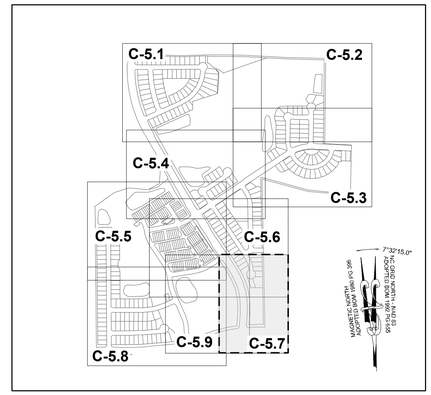
DRAWING SHEET

C-5.6

22 OF 76

PROGRESS PLOT DATE: 03/01/2024





SITE KEY PLAN

LEGEND:

SEE SHEET C-5.0 FOR LEGEND, LINE & CURVE TABLE.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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03	TOWN OF ROLESVILLE COMMENTS PSP #3 23-03	03/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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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 SUBDIVISION PLAT

PARTIAL SITE PLAN VII

DRAWING SHEET

C-5.7

23 OF 76

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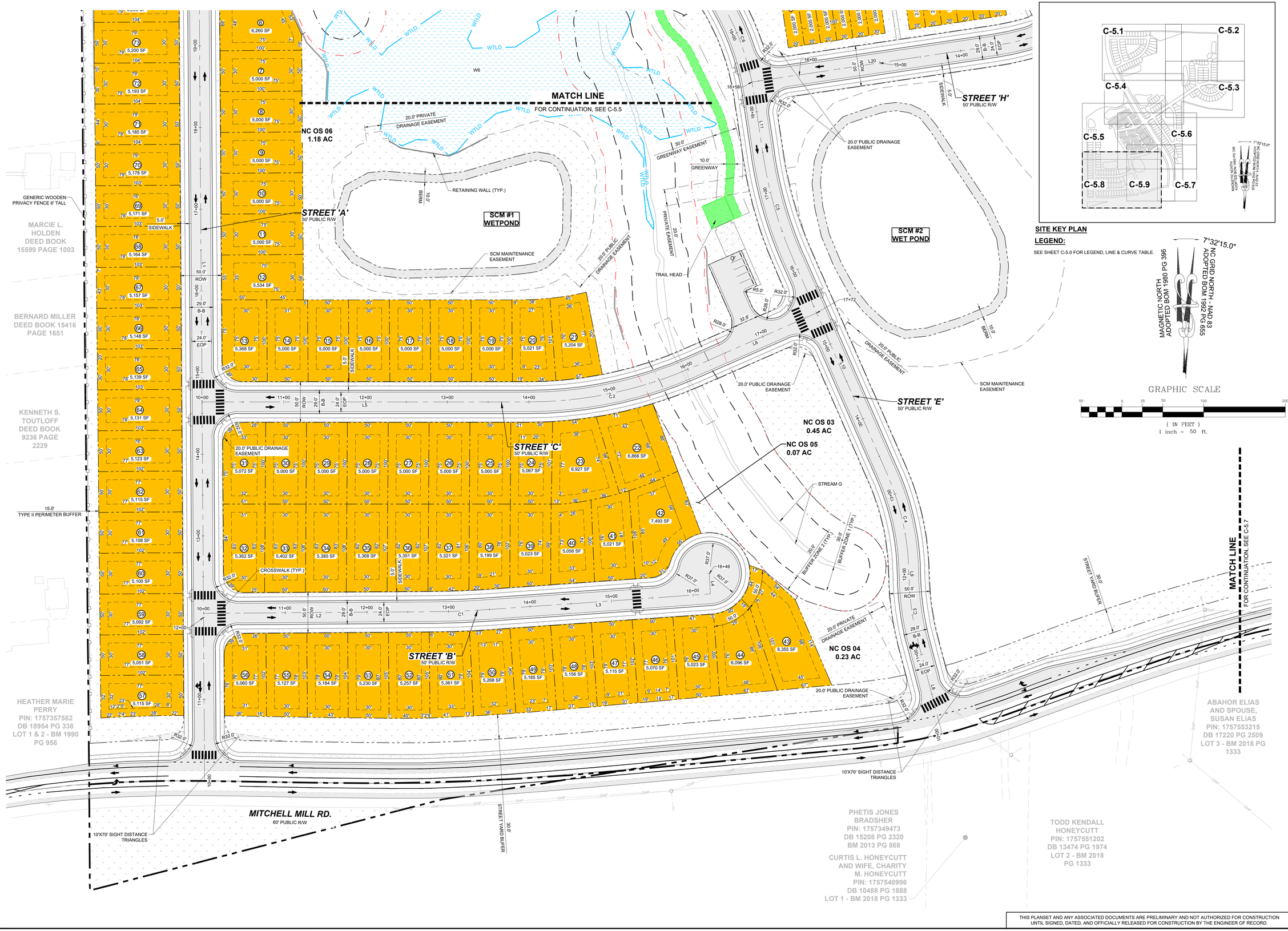
PROGRESS PLOT DATE: 03/01/2024



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

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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 SUBDIVISION PLAT
PARTIAL SITE PLAN VIII

DRAWING SHEET
C-5.8

24 OF 76

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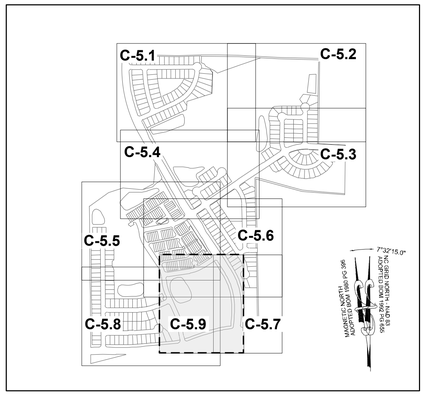

SITE KEY PLAN

LEGEND:

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TOWNHOME NOTES:

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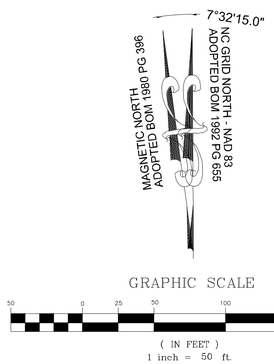

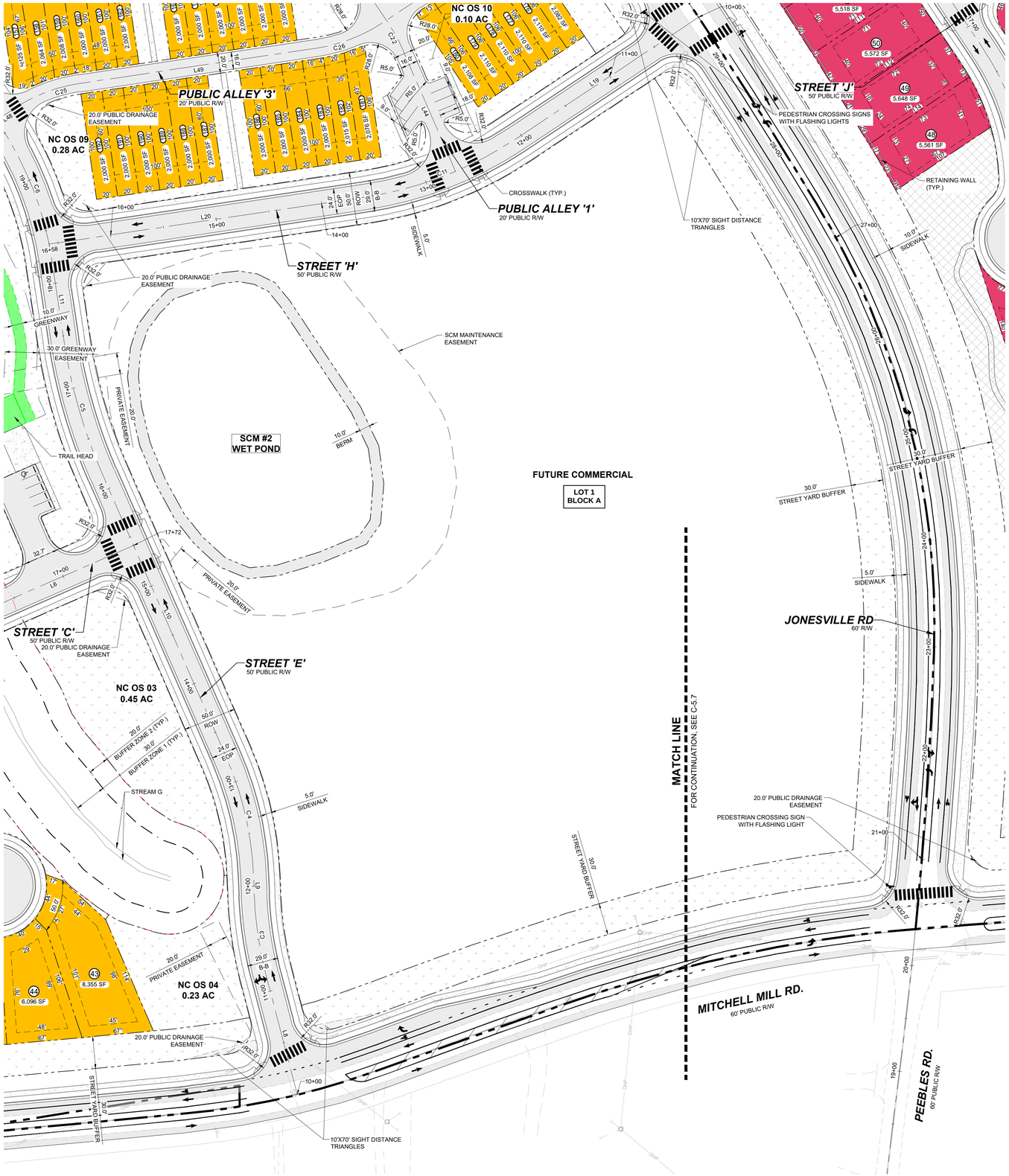

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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CHECKED BY	JWL

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

DRAWING SHEET
C-5.9

25 OF 76

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DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
1	5,866	FRONT: 74' DEPTH: 100'
2	5,000	FRONT: 50' DEPTH: 100'
3	5,000	FRONT: 50' DEPTH: 100'
4	5,000	FRONT: 50' DEPTH: 100'
5	5,703	FRONT: 68' DEPTH: 100'
6	6,260	FRONT: 78' DEPTH: 100'
7	5,000	FRONT: 50' DEPTH: 100'
8	5,000	FRONT: 50' DEPTH: 100'
9	5,000	FRONT: 50' DEPTH: 100'
10	5,000	FRONT: 50' DEPTH: 100'
11	5,000	FRONT: 50' DEPTH: 100'
12	5,534	FRONT: 55' DEPTH: 100'
13	5,368	FRONT: 53' DEPTH: 100'
14	5,000	FRONT: 50' DEPTH: 100'
15	5,000	FRONT: 50' DEPTH: 100'
16	5,000	FRONT: 50' DEPTH: 100'
17	5,000	FRONT: 50' DEPTH: 100'
18	5,000	FRONT: 50' DEPTH: 100'
19	5,000	FRONT: 50' DEPTH: 100'
20	5,021	FRONT: 52' DEPTH: 101'
21	5,204	FRONT: 56' DEPTH: 102'
22	6,866	FRONT: 72' DEPTH: 98'
23	6,927	FRONT: 58' DEPTH: 101'
24	5,067	FRONT: 51' DEPTH: 101'
25	5,000	FRONT: 50' DEPTH: 100'
26	5,000	FRONT: 50' DEPTH: 100'
27	5,000	FRONT: 50' DEPTH: 100'
28	5,000	FRONT: 50' DEPTH: 100'
29	5,000	FRONT: 50' DEPTH: 100'
30	5,000	FRONT: 50' DEPTH: 100'
31	5,072	FRONT: 50' DEPTH: 100'
32	5,362	FRONT: 50' DEPTH: 108'
33	5,402	FRONT: 50' DEPTH: 108'
34	5,385	FRONT: 50' DEPTH: 108'
35	5,368	FRONT: 50' DEPTH: 107'
36	5,351	FRONT: 50' DEPTH: 107'
37	5,321	FRONT: 50' DEPTH: 106'
38	5,199	FRONT: 50' DEPTH: 106'
39	5,023	FRONT: 50' DEPTH: 102'
40	5,056	FRONT: 54' DEPTH: 100'
41	5,021	FRONT: 50' DEPTH: 108'

DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
42	7,493	FRONT: 94' DEPTH: 108'
43	8,355	FRONT: 50' DEPTH: 121'
44	6,096	FRONT: 50' DEPTH: 100'
45	5,023	FRONT: 50' DEPTH: 101'
46	5,070	FRONT: 50' DEPTH: 102'
47	5,115	FRONT: 50' DEPTH: 103'
48	5,156	FRONT: 50' DEPTH: 103'
49	5,185	FRONT: 50' DEPTH: 104'
50	5,268	FRONT: 50' DEPTH: 104'
51	5,361	FRONT: 50' DEPTH: 105'
52	5,257	FRONT: 50' DEPTH: 105'
53	5,230	FRONT: 50' DEPTH: 105'
54	5,184	FRONT: 50' DEPTH: 104'
55	5,127	FRONT: 50' DEPTH: 103'
56	5,060	FRONT: 51' DEPTH: 102'
57	5,115	FRONT: 50' DEPTH: 102'
58	5,051	FRONT: 50' DEPTH: 102'
59	5,092	FRONT: 50' DEPTH: 102'
60	5,100	FRONT: 50' DEPTH: 102'
61	5,108	FRONT: 50' DEPTH: 102'
62	5,115	FRONT: 50' DEPTH: 102'
63	5,123	FRONT: 50' DEPTH: 103'
64	5,131	FRONT: 50' DEPTH: 103'
65	5,139	FRONT: 50' DEPTH: 103'
66	5,148	FRONT: 50' DEPTH: 103'
67	5,157	FRONT: 50' DEPTH: 103'
68	5,164	FRONT: 50' DEPTH: 103'
69	5,171	FRONT: 50' DEPTH: 103'
70	5,178	FRONT: 50' DEPTH: 104'
71	5,185	FRONT: 50' DEPTH: 104'
72	5,193	FRONT: 50' DEPTH: 104'
73	5,200	FRONT: 50' DEPTH: 104'
74	5,208	FRONT: 50' DEPTH: 104'
75	5,215	FRONT: 50' DEPTH: 104'
76	5,223	FRONT: 50' DEPTH: 105'
77	5,230	FRONT: 50' DEPTH: 105'
78	5,238	FRONT: 50' DEPTH: 105'
79	6,161	FRONT: 60' DEPTH: 105'
80	5,000	FRONT: 50' DEPTH: 100'
81	5,000	FRONT: 50' DEPTH: 100'
82	5,000	FRONT: 50' DEPTH: 100'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
1	5,640	FRONT: 53' DEPTH: 107'
2	5,311	FRONT: 50' DEPTH: 107'
3	8,953	FRONT: 95' DEPTH: 100'
4	5,000	FRONT: 50' DEPTH: 100'
5	5,000	FRONT: 50' DEPTH: 100'
6	5,000	FRONT: 50' DEPTH: 100'
7	5,169	FRONT: 52' DEPTH: 103'
8	5,130	FRONT: 51' DEPTH: 113'
9	5,000	FRONT: 50' DEPTH: 100'
10	5,000	FRONT: 50' DEPTH: 100'
11	5,000	FRONT: 50' DEPTH: 100'
12	5,000	FRONT: 50' DEPTH: 100'
13	5,000	FRONT: 50' DEPTH: 100'
14	5,865	FRONT: 59' DEPTH: 100'
15	5,440	FRONT: 55' DEPTH: 100'
16	5,000	FRONT: 50' DEPTH: 100'
17	5,000	FRONT: 50' DEPTH: 100'
18	5,000	FRONT: 50' DEPTH: 100'
19	5,000	FRONT: 50' DEPTH: 100'
20	5,000	FRONT: 50' DEPTH: 100'
21	5,000	FRONT: 50' DEPTH: 100'
22	5,000	FRONT: 50' DEPTH: 100'
23	5,000	FRONT: 50' DEPTH: 100'
24	5,000	FRONT: 50' DEPTH: 100'
25	7,374	FRONT: 100' DEPTH: 100'
26	13,578	FRONT: 175' DEPTH: 132'
27	6,061	FRONT: 65' DEPTH: 101'
28	7,176	FRONT: 51' DEPTH: 126'
29	6,707	FRONT: 51' DEPTH: 126'
30	5,680	FRONT: 51' DEPTH: 107'
31	5,000	FRONT: 50' DEPTH: 100'
32	5,000	FRONT: 50' DEPTH: 100'
33	5,000	FRONT: 50' DEPTH: 100'
34	5,000	FRONT: 50' DEPTH: 100'
35	5,000	FRONT: 50' DEPTH: 100'
36	5,000	FRONT: 50' DEPTH: 100'
37	5,000	FRONT: 50' DEPTH: 100'
38	5,000	FRONT: 50' DEPTH: 100'
39	5,000	FRONT: 50' DEPTH: 100'
40	5,356	FRONT: 54' DEPTH: 100'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
41	7,651	FRONT: 50' DEPTH: 139'
42	6,305	FRONT: 50' DEPTH: 139'
43	5,396	FRONT: 50' DEPTH: 115'
44	5,089	FRONT: 51' DEPTH: 103'
45	5,022	FRONT: 66' DEPTH: 92'
46	11,740	FRONT: 63' DEPTH: 107'
47	5,499	FRONT: 56' DEPTH: 140'
48	5,561	FRONT: 50' DEPTH: 114'
49	5,648	FRONT: 50' DEPTH: 114'
50	5,572	FRONT: 50' DEPTH: 112'
51	5,518	FRONT: 50' DEPTH: 111'
52	5,481	FRONT: 50' DEPTH: 110'
53	5,466	FRONT: 50' DEPTH: 109'
54	5,457	FRONT: 50' DEPTH: 109'
55	5,450	FRONT: 50' DEPTH: 109'
56	5,449	FRONT: 50' DEPTH: 109'
57	5,462	FRONT: 50' DEPTH: 109'
58	5,461	FRONT: 50' DEPTH: 109'
59	5,435	FRONT: 50' DEPTH: 109'
60	5,421	FRONT: 50' DEPTH: 108'
61	5,413	FRONT: 50' DEPTH: 108'
62	5,872	FRONT: 55' DEPTH: 108'
63	5,000	FRONT: 50' DEPTH: 100'
64	5,000	FRONT: 50' DEPTH: 100'
65	6,595	FRONT: 92' DEPTH: 124'
66	6,898	FRONT: 75' DEPTH: 124'
67	5,505	FRONT: 50' DEPTH: 110'
68	5,500	FRONT: 50' DEPTH: 110'
69	5,500	FRONT: 50' DEPTH: 110'
70	5,500	FRONT: 50' DEPTH: 110'
71	5,587	FRONT: 50' DEPTH: 115'
72	5,161	FRONT: 51' DEPTH: 115'
73	7,143	FRONT: 50' DEPTH: 100'
74	5,755	FRONT: 50' DEPTH: 100'
75	5,056	FRONT: 69' DEPTH: 100'
76	5,005	FRONT: 50' DEPTH: 100'
77	5,000	FRONT: 50' DEPTH: 100'
78	6,538	FRONT: 78' DEPTH: 100'
79	8,050	FRONT: 65' DEPTH: 101'
80	10,187	FRONT: 59' DEPTH: 103'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
81	6,440	FRONT: 59' DEPTH: 103'
82	5,543	FRONT: 50' DEPTH: 114'
83	5,697	FRONT: 50' DEPTH: 114'
84	5,694	FRONT: 50' DEPTH: 114'
85	5,691	FRONT: 50' DEPTH: 114'
86	5,688	FRONT: 50' DEPTH: 114'
87	5,684	FRONT: 50' DEPTH: 114'
88	5,681	FRONT: 50' DEPTH: 114'
89	5,203	FRONT: 50' DEPTH: 104'
90	5,206	FRONT: 50' DEPTH: 104'
91	5,206	FRONT: 50' DEPTH: 104'
92	5,206	FRONT: 50' DEPTH: 104'
93	5,592	FRONT: 54' DEPTH: 104'
94	5,592	FRONT: 54' DEPTH: 104'
95	5,206	FRONT: 50' DEPTH: 104'
96	5,206	FRONT: 50' DEPTH: 104'
97	5,206	FRONT: 50' DEPTH: 104'
98	5,203	FRONT: 50' DEPTH: 104'
99	5,359	FRONT: 63' DEPTH: 110'
100	5,100	FRONT: 57' DEPTH: 110'
101	5,100	FRONT: 57' DEPTH: 110'
102	5,100	FRONT: 57' DEPTH: 110'
103	5,100	FRONT: 57' DEPTH: 110'
104	5,100	FRONT: 57' DEPTH: 110'
105	5,100	FRONT: 57' DEPTH: 110'
106	5,360	FRONT: 69' DEPTH: 110'
107	5,753	FRONT: 50' DEPTH: 115'
108	5,753	FRONT: 50' DEPTH: 115'
109	5,048	FRONT: 53' DEPTH: 95'
110	5,640	FRONT: 50' DEPTH: 95'
111	5,490	FRONT: 50' DEPTH: 100'
112	5,545	FRONT: 50' DEPTH: 100'
113	5,517	FRONT: 50' DEPTH: 100'
114	5,545	FRONT: 50' DEPTH: 100'
115	5,545	FRONT: 50' DEPTH: 100'
116	5,545	FRONT: 50' DEPTH: 100'
117	5,545	FRONT: 50' DEPTH: 100'
118	5,545	FRONT: 50' DEPTH: 100'
119	5,545	FRONT: 50' DEPTH: 100'
120	5,545	FRONT: 50' DEPTH: 100'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
121	5,515	FRONT: 50' DEPTH: 100'
122	5,434	FRONT: 55' DEPTH: 100'
123	5,385	FRONT: 50' DEPTH: 110'
124	5,335	FRONT: 52' DEPTH: 110'
125	5,040	FRONT: 52' DEPTH: 100'
126	5,000	FRONT: 50' DEPTH: 100'
127	5,000	FRONT: 50' DEPTH: 100'
128	5,000	FRONT: 50' DEPTH: 100'
129	5,000	FRONT: 50' DEPTH: 100'
130	5,000	FRONT: 50' DEPTH: 100'
131	5,000	FRONT: 50' DEPTH: 100'
132	5,000	FRONT: 50' DEPTH: 100'
133	5,268	FRONT: 50' DEPTH: 101'
134	5,255	FRONT: 52' DEPTH: 101'
135	6,270	FRONT: 50' DEPTH: 141'
136	9,866	FRONT: 50' DEPTH: 192'
137	10,379	FRONT: 50' DEPTH: 192'
138	9,107	FRONT: 50' DEPTH: 168'
139	8,402	FRONT: 50' DEPTH: 154'
140	7,086	FRONT: 63' DEPTH: 147'
141	5,065	FRONT: 70' DEPTH: 90'
142	5,139	FRONT: 55' DEPTH: 94'
143	5,010	FRONT: 54' DEPTH: 94'
144	5,005	FRONT: 55' DEPTH: 92'
145	5,045	FRONT: 56' DEPTH: 91'
146	5,047	FRONT: 55' DEPTH: 92'
147	5,031	FRONT: 54' DEPTH: 93'
148	5,029	FRONT: 54' DEPTH: 95'
149	5,014	FRONT: 53' DEPTH: 96'
150	5,023	FRONT: 52' DEPTH: 97'
151	5,021	FRONT: 52' DEPTH: 98'
152	5,033	FRONT: 51' DEPTH: 99'
153	5,036	FRONT: 51' DEPTH: 100'
154	5,074	FRONT: 52' DEPTH: 101'
155	7,319	FRONT: 59' DEPTH: 120'
156	6,614	FRONT: 53' DEPTH: 121'
157	6,630	FRONT: 53' DEPTH: 121'
158	6,616	FRONT: 53' DEPTH: 121'
159	6,622	FRONT: 53' DEPTH: 121'
160	6,635	FRONT: 53' DEPTH: 121'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
161	6,645	FRONT: 53' DEPTH: 121'
162	6,387	FRONT: 51' DEPTH: 122'
163	7,431	FRONT: 58' DEPTH: 122'
164	6,251	FRONT: 61' DEPTH: 110'
165	5,476	FRONT: 51' DEPTH: 110'
166	5,910	FRONT: 55' DEPTH: 100'
167	5,908	FRONT: 55' DEPTH: 100'
168	5,908	FRONT: 55' DEPTH: 100'
169	5,908	FRONT: 55' DEPTH: 100'
170	5,909	FRONT: 55' DEPTH: 100'
171	6,253	FRONT: 60' DEPTH: 110'
172	5,454	FRONT: 56' DEPTH: 101'
173	5,000	FRONT: 50' DEPTH: 100'
174	5,000	FRONT: 50' DEPTH: 100'
175	5,000	FRONT: 50' DEPTH: 100'
176	5,000	FRONT: 50' DEPTH: 100'
177	5,000	FRONT: 50' DEPTH: 100'
178	5,000	FRONT: 50' DEPTH: 100'
179	6,422	FRONT: 69' DEPTH: 100'
180	5,000	FRONT: 55' DEPTH: 100'
181	5,000	FRONT: 55' DEPTH: 100'
182	5,000	FRONT: 55' DEPTH: 100'
183	5,000	FRONT: 55' DEPTH: 100'
184	5,000	FRONT: 54' DEPTH: 100'
185	5,000	FRONT: 50' DEPTH: 100'
186	5,000	FRONT: 50' DEPTH: 100'

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
03	TOWN OF ROLESVILLE COMMENTS PSP-V3-23-03	03/01/2024	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 SUBDIVISION PLAT

LOT SIZE TABLES

DRAWING SHEET

C-5.10

26 OF 76

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.

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
1	SINGLE FAMILY 50' WIDE	X	X	X	X	X
2	SINGLE FAMILY 50' WIDE					
3	SINGLE FAMILY 50' WIDE					
4	SINGLE FAMILY 50' WIDE					
5	SINGLE FAMILY 50' WIDE	X	X	X	X	X
6	SINGLE FAMILY 50' WIDE	X	X	X	X	X
7	SINGLE FAMILY 50' WIDE					
8	SINGLE FAMILY 50' WIDE					
9	SINGLE FAMILY 50' WIDE					
10	SINGLE FAMILY 50' WIDE					
11	SINGLE FAMILY 50' WIDE					
12	SINGLE FAMILY 50' WIDE					
13	SINGLE FAMILY 50' WIDE					
14	SINGLE FAMILY 50' WIDE					
15	SINGLE FAMILY 50' WIDE					
16	SINGLE FAMILY 50' WIDE					
17	SINGLE FAMILY 50' WIDE					
18	SINGLE FAMILY 50' WIDE					
19	SINGLE FAMILY 50' WIDE					
20	SINGLE FAMILY 50' WIDE					
21	SINGLE FAMILY 50' WIDE					
22	SINGLE FAMILY 50' WIDE	X	X	X	X	X
23	SINGLE FAMILY 50' WIDE	X	X	X	X	X
24	SINGLE FAMILY 50' WIDE					
25	SINGLE FAMILY 50' WIDE					
26	SINGLE FAMILY 50' WIDE					
27	SINGLE FAMILY 50' WIDE					
28	SINGLE FAMILY 50' WIDE					
29	SINGLE FAMILY 50' WIDE					
30	SINGLE FAMILY 50' WIDE					
31	SINGLE FAMILY 50' WIDE					
32	SINGLE FAMILY 50' WIDE					
33	SINGLE FAMILY 50' WIDE					
34	SINGLE FAMILY 50' WIDE					
35	SINGLE FAMILY 50' WIDE					
36	SINGLE FAMILY 50' WIDE					
37	SINGLE FAMILY 50' WIDE					
38	SINGLE FAMILY 50' WIDE					
39	SINGLE FAMILY 50' WIDE					
40	SINGLE FAMILY 50' WIDE					
41	SINGLE FAMILY 50' WIDE					

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
42	SINGLE FAMILY 50' WIDE	X	X	X	X	X
43	SINGLE FAMILY 50' WIDE	X	X	X	X	X
44	SINGLE FAMILY 50' WIDE					
45	SINGLE FAMILY 50' WIDE					
46	SINGLE FAMILY 50' WIDE					
47	SINGLE FAMILY 50' WIDE					
48	SINGLE FAMILY 50' WIDE					
49	SINGLE FAMILY 50' WIDE					
50	SINGLE FAMILY 50' WIDE					
51	SINGLE FAMILY 50' WIDE					
52	SINGLE FAMILY 50' WIDE					
43	SINGLE FAMILY 50' WIDE					
54	SINGLE FAMILY 50' WIDE					
55	SINGLE FAMILY 50' WIDE					
56	SINGLE FAMILY 50' WIDE					
57	SINGLE FAMILY 50' WIDE					
58	SINGLE FAMILY 50' WIDE					
59	SINGLE FAMILY 50' WIDE					
60	SINGLE FAMILY 50' WIDE					
61	SINGLE FAMILY 50' WIDE					
62	SINGLE FAMILY 50' WIDE					
63	SINGLE FAMILY 50' WIDE					
64	SINGLE FAMILY 50' WIDE					
65	SINGLE FAMILY 50' WIDE					
66	SINGLE FAMILY 50' WIDE					
67	SINGLE FAMILY 50' WIDE					
68	SINGLE FAMILY 50' WIDE					
69	SINGLE FAMILY 50' WIDE					
70	SINGLE FAMILY 50' WIDE					
71	SINGLE FAMILY 50' WIDE					
72	SINGLE FAMILY 50' WIDE					
73	SINGLE FAMILY 50' WIDE					
74	SINGLE FAMILY 50' WIDE					
75	SINGLE FAMILY 50' WIDE					
76	SINGLE FAMILY 50' WIDE					
77	SINGLE FAMILY 50' WIDE					
78	SINGLE FAMILY 50' WIDE					
79	SINGLE FAMILY 50' WIDE	X	X	X	X	X
80	SINGLE FAMILY 50' WIDE					
81	SINGLE FAMILY 50' WIDE					
82	SINGLE FAMILY 50' WIDE					

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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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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 SUBDIVISION PLAT

SITE TABLES

DRAWING / SHEET

C-5.11

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
1	SINGLE FAMILY 50' WIDE					
2	SINGLE FAMILY 50' WIDE	X	X	X	X	X
3	SINGLE FAMILY 50' WIDE	X				
4	SINGLE FAMILY 50' WIDE	X	X	X	X	X
5	SINGLE FAMILY 50' WIDE	X	X	X	X	X
6	SINGLE FAMILY 50' WIDE	X	X	X	X	X
7	SINGLE FAMILY 50' WIDE					
8	SINGLE FAMILY 50' WIDE	X	X	X	X	X
9	SINGLE FAMILY 50' WIDE	X	X	X	X	X
10	SINGLE FAMILY 50' WIDE	X	X	X	X	X
11	SINGLE FAMILY 50' WIDE	X	X	X	X	X
12	SINGLE FAMILY 50' WIDE	X	X	X	X	X
13	SINGLE FAMILY 50' WIDE	X	X	X	X	X
14	SINGLE FAMILY 50' WIDE	X	X	X	X	X
15	SINGLE FAMILY 50' WIDE	X	X	X	X	X
16	SINGLE FAMILY 50' WIDE	X	X	X	X	X
17	SINGLE FAMILY 50' WIDE	X	X	X	X	X
18	SINGLE FAMILY 50' WIDE	X	X	X	X	X
19	SINGLE FAMILY 50' WIDE	X	X	X	X	X
20	SINGLE FAMILY 50' WIDE	X	X	X	X	X
21	SINGLE FAMILY 50' WIDE	X	X	X	X	X
22	SINGLE FAMILY 50' WIDE	X	X	X	X	X
23	SINGLE FAMILY 50' WIDE	X	X	X	X	X
24	SINGLE FAMILY 50' WIDE	X	X	X	X	X
25	SINGLE FAMILY 50' WIDE					
26	SINGLE FAMILY 50' WIDE	X	X	X	X	X
27	SINGLE FAMILY 50' WIDE	X				
28	SINGLE FAMILY 50' WIDE	X	X	X	X	X
29	SINGLE FAMILY 50' WIDE	X	X	X	X	X
30	SINGLE FAMILY 50' WIDE	X	X	X	X	X
31	SINGLE FAMILY 50' WIDE	X	X	X	X	X
32	SINGLE FAMILY 50' WIDE	X	X	X	X	X
33	SINGLE FAMILY 50' WIDE	X	X	X	X	X
34	SINGLE FAMILY 50' WIDE	X	X	X	X	X
35	SINGLE FAMILY 50' WIDE	X	X	X	X	X
36	SINGLE FAMILY 50' WIDE	X	X	X	X	X
37	SINGLE FAMILY 50' WIDE	X	X	X	X	X
38	SINGLE FAMILY 50' WIDE	X	X	X	X	X
39	SINGLE FAMILY 50' WIDE	X	X	X	X	X
40	SINGLE FAMILY 50' WIDE	X	X	X	X	X
41	SINGLE FAMILY 50' WIDE	X	X	X	X	X
42	SINGLE FAMILY 50' WIDE	X	X	X	X	X
43	SINGLE FAMILY 50' WIDE	X	X	X	X	X
44	SINGLE FAMILY 50' WIDE	X	X	X	X	X
45	SINGLE FAMILY 50' WIDE					
46	SINGLE FAMILY 50' WIDE	X	X	X	X	X
47	SINGLE FAMILY 50' WIDE	X	X	X	X	X
48	SINGLE FAMILY 50' WIDE	X	X	X	X	X
49	SINGLE FAMILY 50' WIDE	X	X	X	X	X
50	SINGLE FAMILY 50' WIDE	X	X	X	X	X
51	SINGLE FAMILY 50' WIDE	X	X	X	X	X
52	SINGLE FAMILY 50' WIDE	X	X	X	X	X
53	SINGLE FAMILY 50' WIDE	X	X	X	X	X
54	SINGLE FAMILY 50' WIDE	X	X	X	X	X
55	SINGLE FAMILY 50' WIDE	X	X	X	X	X
56	SINGLE FAMILY 50' WIDE	X	X	X	X	X
57	SINGLE FAMILY 50' WIDE	X	X	X	X	X
58	SINGLE FAMILY 50' WIDE	X	X	X	X	X
59	SINGLE FAMILY 50' WIDE	X	X	X	X	X
60	SINGLE FAMILY 50' WIDE	X	X	X	X	X
61	SINGLE FAMILY 50' WIDE	X	X	X	X	X
62	SINGLE FAMILY 50' WIDE	X	X	X	X	X
63	SINGLE FAMILY 50' WIDE	X	X	X	X	X
64	SINGLE FAMILY 50' WIDE	X	X	X	X	X
65	SINGLE FAMILY 50' WIDE	X	X	X	X	X

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
66	SINGLE FAMILY 50' WIDE	X	X	X	X	X
67	SINGLE FAMILY 50' WIDE	X	X	X	X	X
68	SINGLE FAMILY 50' WIDE	X	X	X	X	X
69	SINGLE FAMILY 50' WIDE	X	X	X	X	X
70	SINGLE FAMILY 50' WIDE	X	X	X	X	X
71	SINGLE FAMILY 50' WIDE	X	X	X	X	X
72	SINGLE FAMILY 50' WIDE					
73	SINGLE FAMILY 50' WIDE	X	X	X	X	X
74	SINGLE FAMILY 50' WIDE					
75	SINGLE FAMILY 50' WIDE					
76	SINGLE FAMILY 50' WIDE	X	X	X	X	X
77	SINGLE FAMILY 50' WIDE	X	X	X	X	X
78	SINGLE FAMILY 50' WIDE	X	X	X	X	X
79	SINGLE FAMILY 50' WIDE	X	X	X	X	X
80	SINGLE FAMILY 50' WIDE	X	X	X	X	X
81	SINGLE FAMILY 50' WIDE	X	X	X		
82	SINGLE FAMILY 50' WIDE	X	X	X	X	X
83	SINGLE FAMILY 50' WIDE	X	X	X	X	X
84	SINGLE FAMILY 50' WIDE	X	X	X	X	X
85	SINGLE FAMILY 50' WIDE	X	X	X	X	X
86	SINGLE FAMILY 50' WIDE	X	X	X	X	X
87	SINGLE FAMILY 50' WIDE	X	X	X	X	X
88	SINGLE FAMILY 50' WIDE	X	X	X	X	X
89	SINGLE FAMILY 50' WIDE	X	X	X	X	X
90	SINGLE FAMILY 50' WIDE	X	X	X	X	X
91	SINGLE FAMILY 50' WIDE	X	X	X	X	X
92	SINGLE FAMILY 50' WIDE	X	X	X	X	X
93	SINGLE FAMILY 50' WIDE	X	X	X	X	X
94	SINGLE FAMILY 50' WIDE	X	X	X	X	X
95	SINGLE FAMILY 50' WIDE	X	X	X	X	X
96	SINGLE FAMILY 50' WIDE	X	X	X	X	X
97	SINGLE FAMILY 50' WIDE	X	X	X	X	X
98	SINGLE FAMILY 50' WIDE	X	X	X	X	X
99	SINGLE FAMILY 50' WIDE					
100	SINGLE FAMILY 50' WIDE					
101	SINGLE FAMILY 50' WIDE					
102	SINGLE FAMILY 50' WIDE					
103	SINGLE FAMILY 50' WIDE					
104	SINGLE FAMILY 50' WIDE					
105	SINGLE FAMILY 50' WIDE					
106	SINGLE FAMILY 50' WIDE					
107	SINGLE FAMILY 50' WIDE	X	X	X	X	X
108	SINGLE FAMILY 50' WIDE	X	X	X	X	X
109	SINGLE FAMILY 50' WIDE					
110	SINGLE FAMILY 50' WIDE					
111	SINGLE FAMILY 50' WIDE	X	X	X	X	X
112	SINGLE FAMILY 50' WIDE	X	X	X	X	X
113	SINGLE FAMILY 50' WIDE	X	X	X	X	X
114	SINGLE FAMILY 50' WIDE	X	X	X	X	X
115	SINGLE FAMILY 50' WIDE	X	X	X	X	X
116	SINGLE FAMILY 50' WIDE	X	X	X	X	X
117	SINGLE FAMILY 50' WIDE	X	X	X	X	X
118	SINGLE FAMILY 50' WIDE	X	X	X	X	X
119	SINGLE FAMILY 50' WIDE	X	X	X	X	X
120	SINGLE FAMILY 50' WIDE	X	X	X	X	X
121	SINGLE FAMILY 50' WIDE	X	X	X	X	X
122	SINGLE FAMILY 50' WIDE	X	X	X	X	X
123	SINGLE FAMILY 50' WIDE					
124	SINGLE FAMILY 50' WIDE					
125	SINGLE FAMILY 50' WIDE	X	X	X	X	X
126	SINGLE FAMILY 50' WIDE	X	X	X	X	X
127	SINGLE FAMILY 50' WIDE	X	X	X	X	X
128	SINGLE FAMILY 50' WIDE	X	X	X	X	X
129	SINGLE FAMILY 50' WIDE	X	X	X	X	X
130	SINGLE FAMILY 50' WIDE	X	X	X	X	X

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
131	SINGLE FAMILY 50' WIDE	X	X	X	X	X
132	SINGLE FAMILY 50' WIDE	X	X	X	X	X
133	SINGLE FAMILY 50' WIDE	X	X	X	X	X
134	SINGLE FAMILY 50' WIDE					
135	SINGLE FAMILY 50' WIDE	X	X	X	X	X
136	SINGLE FAMILY 50' WIDE	X	X	X	X	X
137	SINGLE FAMILY 50' WIDE	X	X	X	X	X
138	SINGLE FAMILY 50' WIDE	X	X	X	X	X
139	SINGLE FAMILY 50' WIDE	X	X	X	X	X
140	SINGLE FAMILY 50' WIDE	X	X	X	X	X
141	SINGLE FAMILY 50' WIDE					
142	SINGLE FAMILY 50' WIDE	X	X	X	X	X
143	SINGLE FAMILY 50' WIDE	X	X	X	X	X
144	SINGLE FAMILY 50' WIDE	X	X	X	X	X
145	SINGLE FAMILY 50' WIDE	X	X	X	X	X
146	SINGLE FAMILY 50' WIDE	X	X	X	X	X
147	SINGLE FAMILY 50' WIDE	X	X	X	X	X
148	SINGLE FAMILY 50' WIDE	X	X	X	X	X
149	SINGLE FAMILY 50' WIDE	X	X	X	X	X
150	SINGLE FAMILY 50' WIDE	X	X	X	X	X
151	SINGLE FAMILY 50' WIDE	X	X	X	X	X
152	SINGLE FAMILY 50' WIDE	X	X	X	X	X
153	SINGLE FAMILY 50' WIDE	X	X	X	X	X
154	SINGLE FAMILY 50' WIDE	X	X	X	X	X
155	SINGLE FAMILY 50' WIDE	X	X	X	X	X
156	SINGLE FAMILY 50' WIDE	X	X	X	X	X
157	SINGLE FAMILY 50' WIDE	X	X	X	X	X
158	SINGLE FAMILY 50' WIDE	X	X	X	X	X
159	SINGLE FAMILY 50' WIDE	X	X	X	X	X
160	SINGLE FAMILY 50' WIDE	X	X	X	X	X
161	SINGLE FAMILY 50' WIDE	X	X	X	X	X
162	SINGLE FAMILY 50' WIDE	X	X	X	X	X
163	SINGLE FAMILY 50' WIDE	X	X	X	X	X
164	SINGLE FAMILY 50' WIDE	X	X	X	X	X
165	SINGLE FAMILY 50' WIDE	X	X	X	X	X
166	SINGLE FAMILY 50' WIDE	X	X	X	X	X
167	SINGLE FAMILY 50' WIDE	X	X	X	X	X
168	SINGLE FAMILY 50' WIDE	X	X	X	X	X
169	SINGLE FAMILY 50' WIDE	X	X	X	X	X
170	SINGLE FAMILY 50' WIDE	X	X	X	X	X
171	SINGLE FAMILY 50' WIDE	X	X	X	X	X
172	SINGLE FAMILY 50' WIDE	X	X	X	X	X
173	SINGLE FAMILY 50' WIDE	X	X	X	X	X
174	SINGLE FAMILY 50' WIDE	X	X	X	X	X
175	SINGLE FAMILY 50' WIDE	X	X	X	X	X
176	SINGLE FAMILY 50' WIDE	X	X	X	X	X
177	SINGLE FAMILY 50' WIDE	X	X	X	X	X
178	SINGLE FAMILY 50' WIDE	X	X	X	X	X
179	SINGLE FAMILY 50' WIDE	X	X	X	X	X
180	SINGLE FAMILY 50' WIDE	X	X	X	X	X
181	SINGLE FAMILY 50' WIDE	X	X	X	X	X
182	SINGLE FAMILY 50' WIDE	X	X	X	X	X
183	SINGLE FAMILY 50' WIDE	X	X	X	X	X
184	SINGLE FAMILY 50' WIDE	X	X	X	X	X
185	SINGLE FAMILY 50' WIDE	X	X	X	X	X
186	SINGLE FAMILY 50' WIDE	X	X	X	X	X

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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 SUBDIVISION PLAT

SITE TABLES

DRAWING SHEET

C-5.12

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PROGRESS PLOT DATE: 03/01/2024

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.

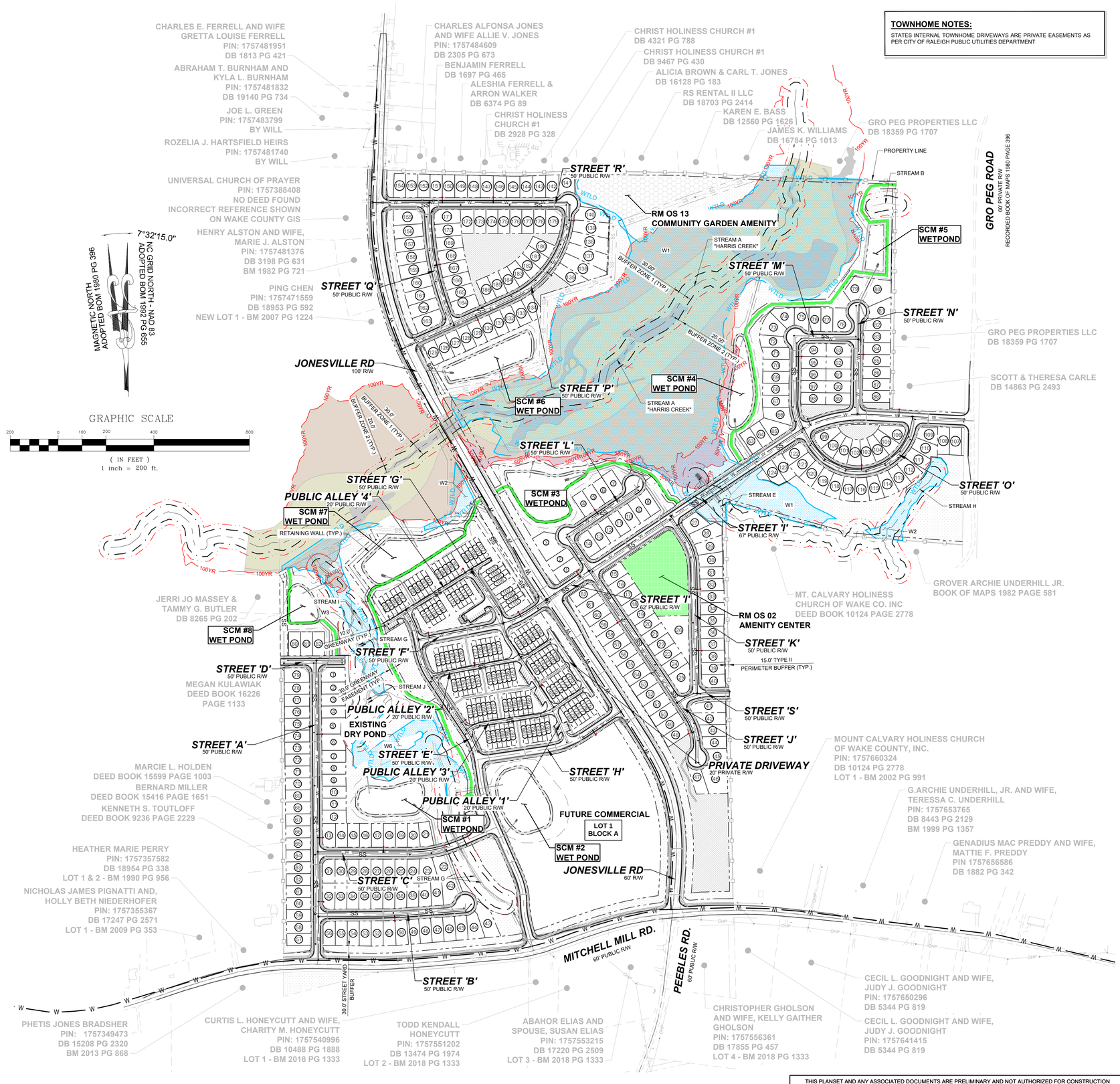
CORPUD STANDARD UTILITY NOTES:

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



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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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 SUBDIVISION PLAT
OVERALL UTILITY PLAN

DRAWING SHEET
C-6.0

29 OF 76

PROGRESS PLOT DATE: 03/01/2024

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

GENERIC WOODEN PRIVACY FENCE 6' TALL

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

12" DIP W/L

16" STEEL CASING

8'x8' BORE PIT

8'x8' RECEIVING PIT

12"x8" TEE W / (2) 12" GV (1) 8" GV

8" DIP W/L

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

FHA W/T 5'X5' CORWLE

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

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

8" 45° BEND

SSMH #03

SSMH #04

SSMH #01

SSMH #02

SSMH #05

SSMH #06

SSMH #07

SSMH #08

SSMH #09

SSMH #10

SSMH #11

SSMH #12

SSMH #13

SSMH #15

SSMH #14 INSIDE DROP MANHOLE

P #01

P #02

P #03

P #04

P #05

P #06

P #07

P #08

P #09

P #10

P #11

P #12

P #13

P #14

P #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

TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1982 PG 695

30.0' EXISTING

STREET 'R'
50' PUBLIC R/W

STREET 'Q'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

JONESVILLE RD
60' R/W

RM OS 13
COMMUNITY GARDEN AMENITY

RM OS 12

RM OS 15

RM OS 14

SCM #6
WET POND

SCM MAINTENANCE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

30.0' SANITARY SEWER EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

10.0' BERM

30.0' STREET YARD BUFFER

FOOD ZONE AE

FLOODZONE AE

FLOODWAY

STREAM A "HARRIS CREEK"

30.00' BUFFER ZONE 1 (TYP.)

20.00' BUFFER ZONE 2 (TYP.)

SWAMP/MARSH HARRIS CREEK

W1

WTLD

100YR

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

MATCH LINE
FOR CONTINUATION, SEE C-6.4

MATCH LINE
FOR CONTINUATION, SEE C-6.2

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396
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-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

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

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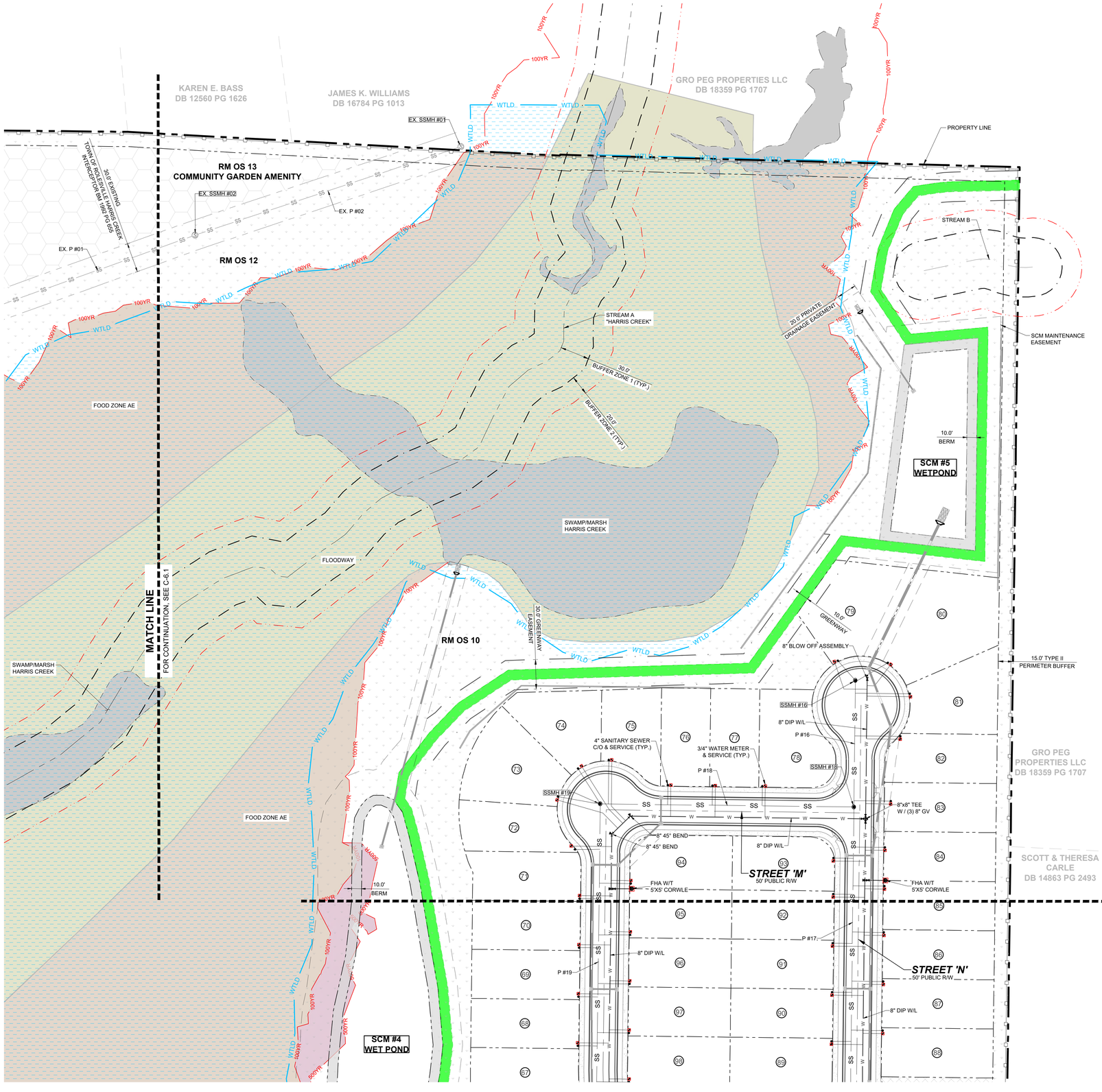
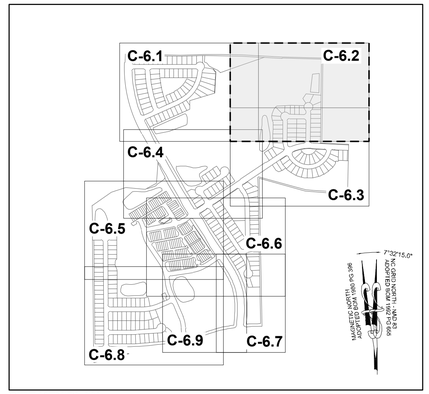
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PARTIAL UTILITY PLAN I

DRAWING SHEET
C-6.1

30 OF 76

PROGRESS PLOT DATE: 03/01/2024

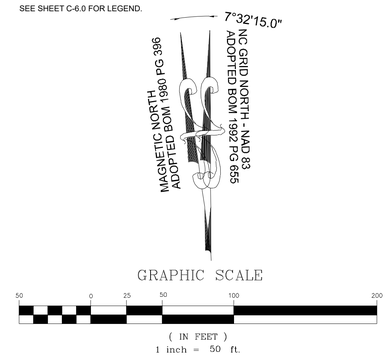




SITE KEY PLAN

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
03	TOWN OF ROLESVILLE COMMENTS PSP V3-23-03	03/01/2024	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 SUBDIVISION PLAT

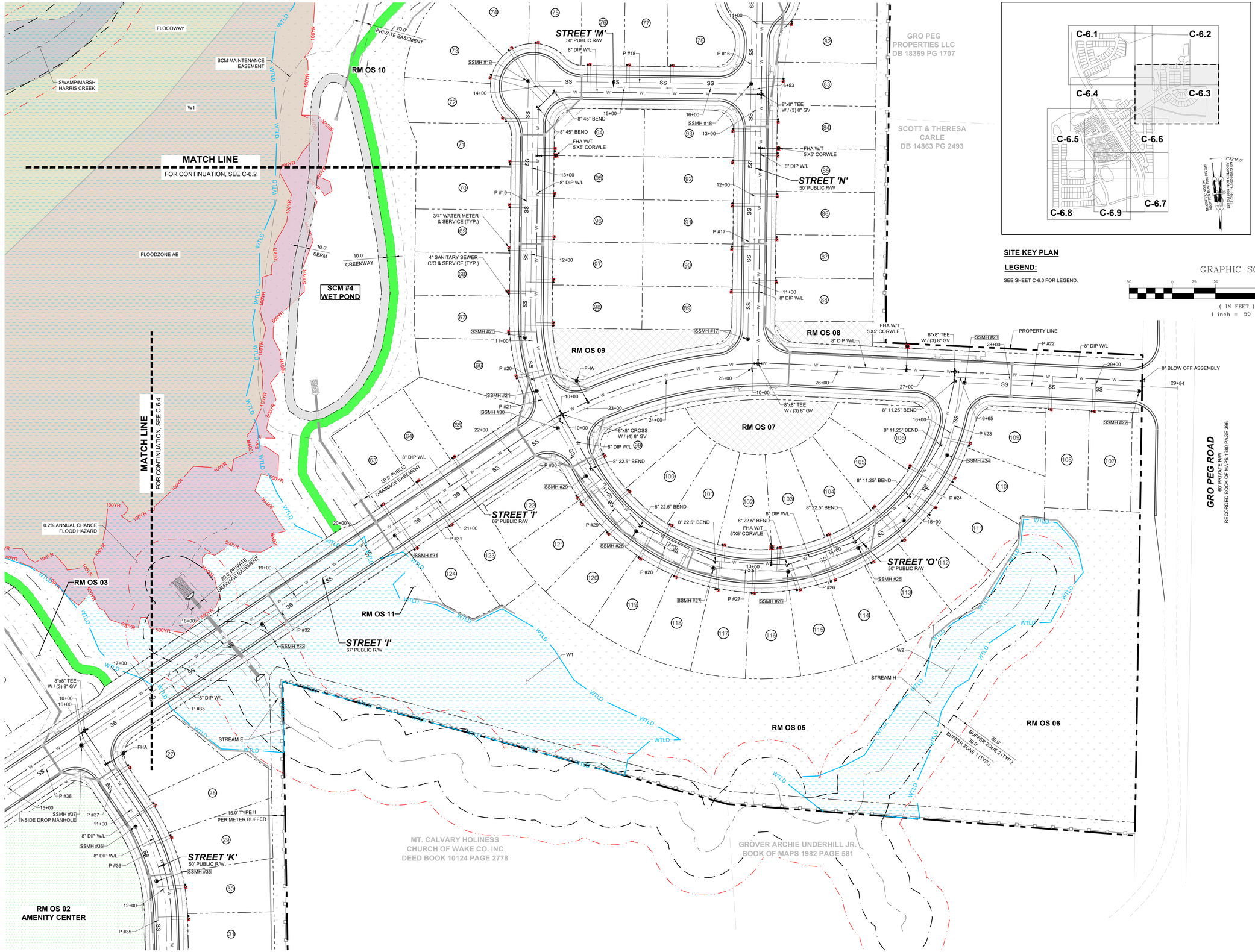
PARTIAL UTILITY PLAN II

DRAWING SHEET

C-6.2

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: 03/01/2024



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.

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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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 SUBDIVISION PLAT

PARTIAL UTILITY PLAN III

DRAWING SHEET

C-6.3

32 OF 76

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: 03/01/2024

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

RM OS 12
RM OS 04
RM OS 03
RM OS 02
AMENITY CENTER
NC OS 17
NC OS 16
NC OS 15
SCM #3
WETPOND
SCM #7
WET POND
STREET 'L'
50' PUBLIC R/W
STREET 'I'
62' PUBLIC R/W
STREET 'J'
50' PUBLIC R/W
STREET 'K'
50' PUBLIC R/W.
STREET 'G'
50' PUBLIC R/W
PUBLIC ALLEY '4'
20' PUBLIC R/W
JONESVILLE RD
60' R/W
BRIDGE
STREAM A
"HARRIS CREEK"
STREAM E
FLOODZONE AE
FLOODWAY
SWAMP/MARSH
HARRIS CREEK
PROPERTY LINE
W1
W2
0.2% ANNUAL CHANCE
FLOOD HAZARD
30.0' SANITARY
SEWER EASEMENT
20.0' PRIVATE
DRAINAGE EASEMENT
SCM MAINTENANCE
EASEMENT
30.0' GREENWAY
EASEMENT
10.0'
GREENWAY
BERM
BUFFER ZONE 1 (TYP.)
30.0'
BUFFER ZONE 2 (TYP.)
20.0'
15.0' TYPE II
PERIMETER BUFFER
12" 11.25° BEND
12" DIP W/L
8" DIP W/L
8" BLOW OFF ASSEMBLY
8" 45° BEND
4" SANITARY SEWER
C/O & SERVICE (TYP.)
3/4" WATER METER
& SERVICE (TYP.)
8"x8" TEE
W / (3) 8" GV
8"x8" CROSS
W / (4) 8" GV
12"x8" CROSS
W / (2) 12" GV (2) 8" GV
FHA W/T
5'X5' CORWLE
FHA
8'x8' BORE PIT
8'x8' RECEIVING PIT
16" STEEL CASING
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 #32
SSMH #33
SSMH #35
SSMH #36
SSMH #37
SSMH #38
SSMH #39
SSMH #45
SSMH #46
SSMH #47
SSMH #61
SSMH #62
SSMH #74
SSMH #76
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 #32
P #33
P #35
P #36
P #37
P #38
P #39
P #41
P #46
P #47
P #48
P #63
P #64
P #65
P #68
P #79
P #80
100YR
500YR
WTLD
SS
W

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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 SUBDIVISION PLAT

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-6.4

33 OF 76

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: 03/01/2024

TOWNHOME NOTES:

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

FOR CONTINUATION, SEE C-6.4

MATCH LINE

JONESVILLE RD
60' R/W

SCM MAINTENANCE EASEMENT

NC OS 17

NC OS 16

SCM #7 WET POND

FLOODWAY

20.0' PRIVATE DRAINAGE EASEMENT

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

30.0' SANITARY SEWER EASEMENT

STREET 'G'
50' PUBLIC R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

NC OS 15

NC OS 14

PUBLIC ALLEY '2'
20' PUBLIC R/W

STREET 'F'
50' PUBLIC R/W

NC OS 13

NC OS 12

PUBLIC ALLEY '1'
20' PUBLIC R/W

PRIVATE DRIVEWAY
20' PRIVATE R/W

NC OS 11

NC OS 10

PUBLIC ALLEY '3'
20' PUBLIC R/W

NC OS 09

STREET 'H'
50' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

JONESVILLE RD
60' R/W

STREET 'E'
50' PUBLIC R/W

NC OS 01

NC OS 02

NC OS 06

NC OS 07

NC OS 08

SCM #8 WET POND

STREET 'D'
50' PUBLIC R/W

STREET 'A'
50' PUBLIC R/W

EXISTING DRY POND

STREAM G

STREAM I

STREAM J

W4

10.0' GREENWAY

30.0' GREENWAY EASEMENT

10.0' BERM

SCM MAINTENANCE EASEMENT

15.0' TYPE II PERIMETER BUFFER

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

MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

MATCH LINE
FOR CONTINUATION, SEE C-6.8

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND.

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 635

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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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 SUBDIVISION PLAT

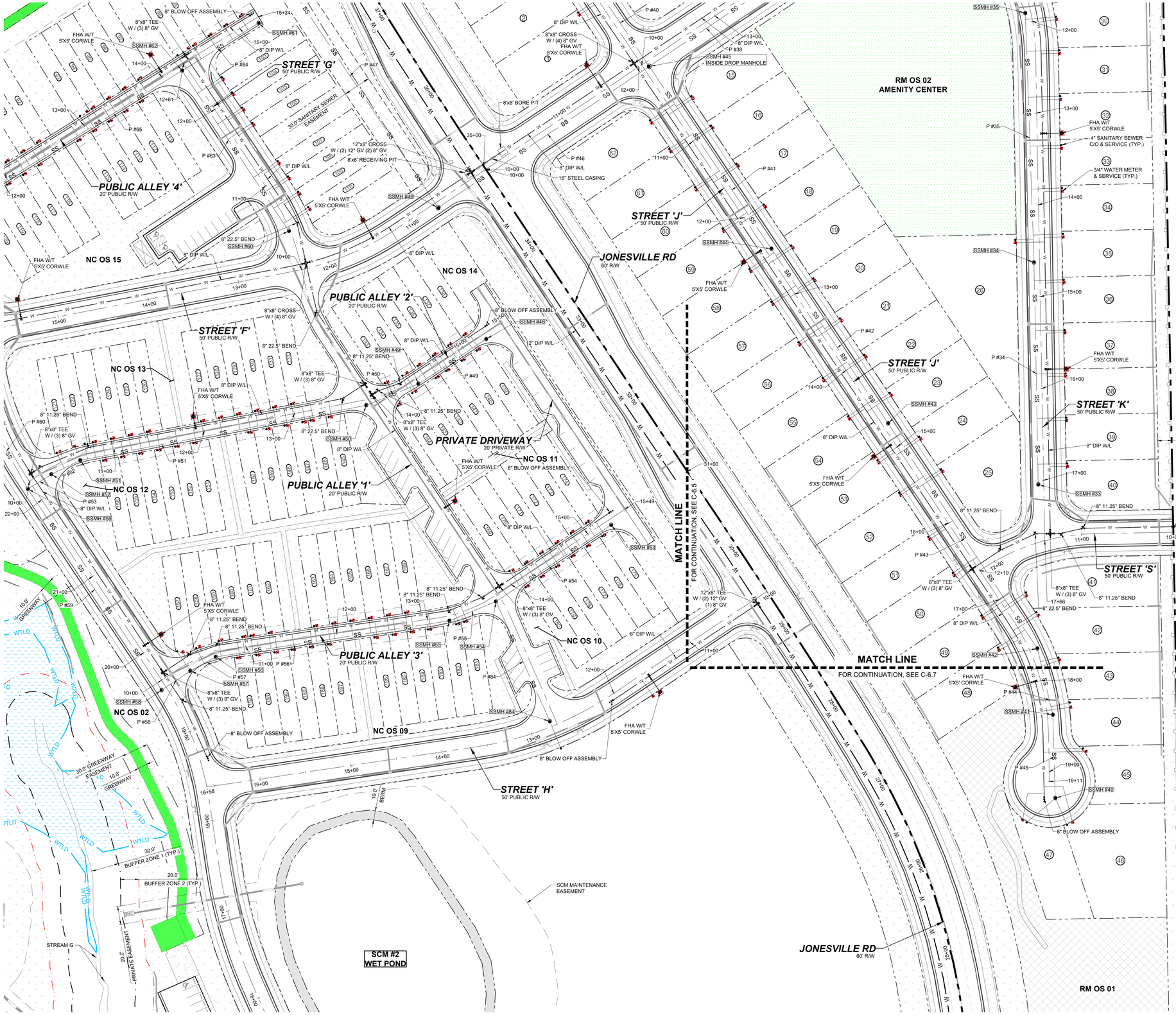
PARTIAL UTILITY PLAN V

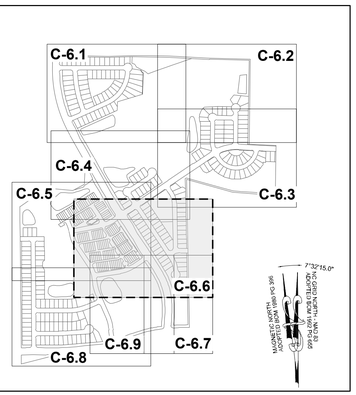
DRAWING SHEET

C-6.5

34 OF 76

PROGRESS PLOT DATE: 03/01/2024





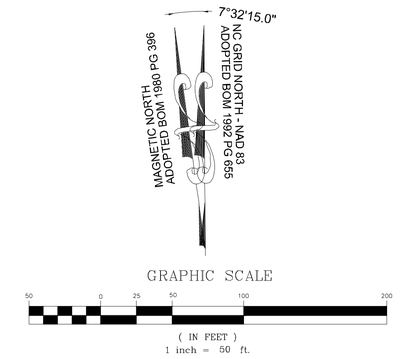
TOWNHOME NOTES:

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.



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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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK

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STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

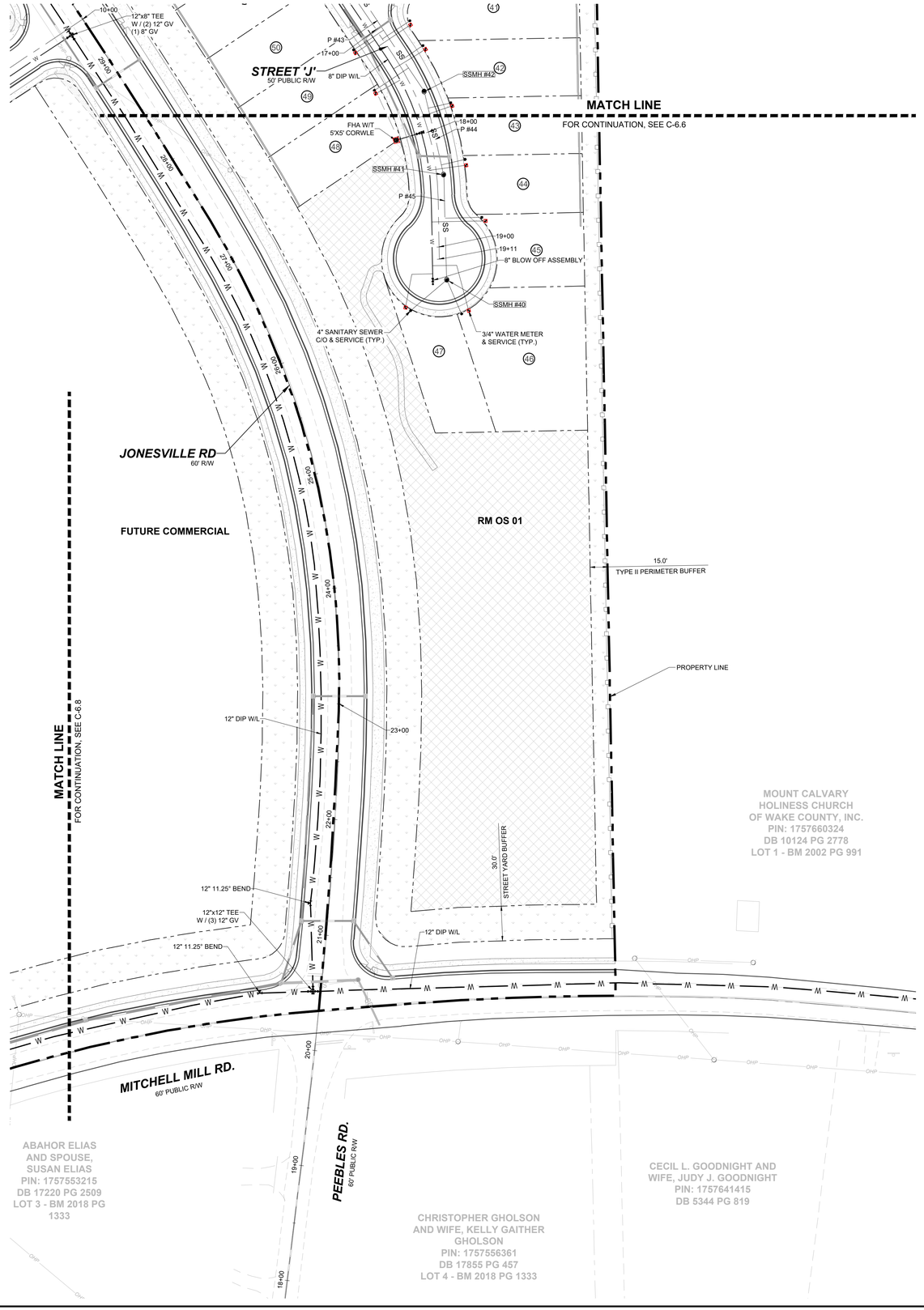
PARTIAL UTILITY PLAN VI

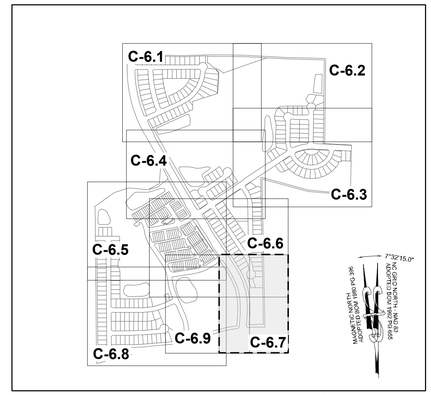
DRAWING SHEET

C-6.6

35 OF 76

PROGRESS PLOT DATE: 03/01/2024

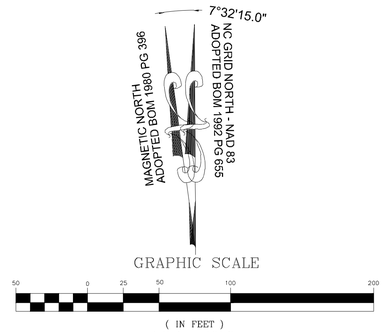




SITE KEY PLAN

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

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 SUBDIVISION PLAT

PARTIAL UTILITY PLAN VII

DRAWING / SHEET

C-6.7

36 OF 76

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PROGRESS PLOT DATE: 03/01/2024

MATCH LINE
FOR CONTINUATION, SEE C-6.5

NC OS 02
NC OS 06
NC OS 09
NC OS 03
NC OS 04

STREET 'H'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

STREET 'A'
50' PUBLIC R/W

STREET 'B'
50' PUBLIC R/W

STREET 'E'
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

SCM #1
WETPOND

SCM #2
WET POND

SCM MAINTENANCE EASEMENT

30.0' GREENWAY EASEMENT

10.0' GREENWAY

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE EASEMENT

10.0' BERM

30.0' STREET YARD BUFFER

15.0' TYPE II PERIMETER BUFFER

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

FUTURE COMMERCIAL
LOT 1
BLOCK A

8" BLOW OFF ASSEMBLY

8" 45° BEND

12" 11.25° BEND

12"x8" TEE
W / (2) 12" GV
(1) 8" GV

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

FHA W/T
5'X5' CORWLE

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

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

8" DIP W/L

12" DIP W/L

P #69
P #70
P #71
P #72
P #73
P #74
P #75
P #82
P #83

SSMH #65
INSIDE DROP MANHOLE
SSMH #66
SSMH #67
SSMH #68
SSMH #69
SSMH #70
SSMH #77
SSMH #82
SSMH #83

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

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.

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 695

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	06/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

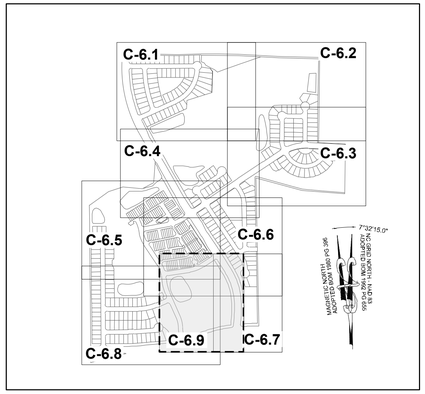
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL UTILITY PLAN VIII

DRAWING SHEET
C-6.8

37 OF 76



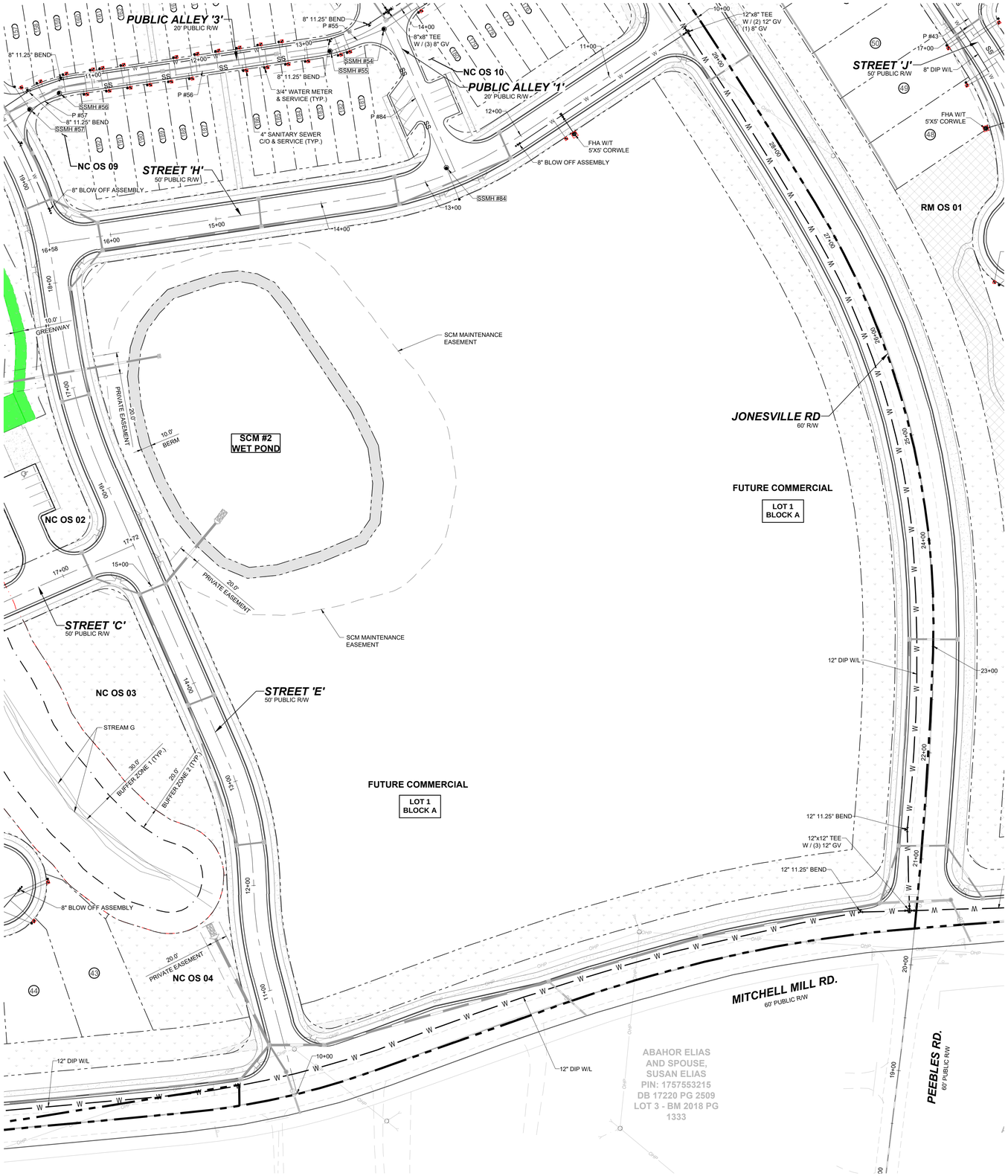
SITE KEY PLAN

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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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

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 SUBDIVISION PLAT

PARTIAL UTILITY PLAN IX

DRAWING SHEET

C-6.9

38 OF 76

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	PVC - SDR 26	8"	296	255.14	253.35	0.60%
P #02	PVC - SDR 26	8"	205	253.15	252.13	0.50%
P #03	PVC - SDR 26	8"	237	251.93	250.75	0.50%
P #04	PVC - SDR 26	8"	83	250.55	245.51	6.10%
P #05	PVC - SDR 26	8"	86	245.31	242.56	3.20%
P #06	PVC - SDR 26	8"	83	242.36	239.63	3.30%
P #07	PVC - SDR 26	8"	100	239.43	237.33	2.10%
P #08	PVC - SDR 26	8"	121	237.13	236.53	0.50%
P #09	PVC - SDR 26	8"	280	236.33	234.93	0.50%
P #10	PVC - SDR 26	8"	140	256.31	250.03	4.47%
P #11	PVC - SDR 26	8"	134	249.83	246.61	2.42%
P #12	PVC - SDR 26	8"	137	246.41	242.62	2.76%
P #13	PVC - SDR 26	8"	50	242.34	242.10	0.50%
P #14	PVC - SDR 26	8"	164	234.73	233.13	0.97%
P #15	PVC - SDR 26	8"	257	232.93	229.70	1.26%
P #16	PVC - SDR 26	8"	129	255.20	253.82	1.07%
P #17	PVC - SDR 26	8"	296	260.79	253.82	2.35%
P #18	PVC - SDR 26	8"	258	253.62	252.33	0.50%
P #19	PVC - SDR 26	8"	298	252.13	249.01	1.05%
P #20	PVC - SDR 26	8"	63	248.81	246.68	3.37%
P #21	PVC - SDR 26	8"	50	246.48	246.20	0.55%
P #22	PVC - SDR 26	8"	202	282.12	273.15	4.43%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #23	PVC - SDR 26	8"	86	272.95	269.31	4.22%
P #24	PVC - SDR 26	8"	91	269.11	262.09	7.70%
P #25	PVC - SDR 26	8"	61	261.89	259.91	3.22%
P #26	PVC - SDR 26	8"	86	259.71	258.70	1.19%
P #27	PVC - SDR 26	8"	86	258.50	253.81	5.43%
P #28	PVC - SDR 26	8"	100	253.61	253.11	0.50%
P #29	PVC - SDR 26	8"	87	252.91	248.85	4.70%
P #30	PVC - SDR 26	8"	64	248.65	246.20	3.81%
P #31	PVC - SDR 26	8"	226	246.00	242.15	1.70%
P #32	PVC - SDR 26	8"	184	241.95	236.03	3.21%
P #33	PVC - SDR 26	8"	253	235.83	233.39	0.97%
P #34	PVC - SDR 26	8"	242	281.17	262.22	7.84%
P #35	PVC - SDR 26	8"	272	262.02	248.43	5.00%
P #36	PVC - SDR 26	8"	68	248.23	246.26	2.91%
P #37	PVC - SDR 26	8"	113	246.06	244.82	1.09%
P #38	DIP	8"	388	233.19	231.25	0.50%
P #39	PVC - SDR 26	8"	346	241.35	239.62	0.50%
P #40	DIP	8"	177	239.42	238.53	0.50%
P #41	PVC - SDR 26	8"	239	271.57	257.23	6.00%
P #42	PVC - SDR 26	8"	228	280.18	271.77	3.68%
P #43	PVC - SDR 26	8"	294	294.97	280.38	4.96%
P #44	PVC - SDR 26	8"	74	298.60	296.14	3.33%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #45	PVC - SDR 26	8"	91	303.37	298.80	5.03%
P #46	DIP	8"	276	231.05	229.67	0.50%
P #47	DIP	8"	462	229.47	227.16	0.50%
P #48	DIP	8"	105	226.96	225.46	1.43%
P #49	PVC - SDR 26	8"	88	268.38	263.96	5.00%
P #50	PVC - SDR 26	8"	61	263.76	260.20	5.80%
P #51	PVC - SDR 26	8"	317	260.00	247.78	3.86%
P #52	PVC - SDR 26	8"	35	247.58	246.39	3.41%
P #53	PVC - SDR 26	8"	30	246.19	246.04	0.50%
P #54	PVC - SDR 26	8"	151	283.97	278.51	3.62%
P #55	PVC - SDR 26	8"	55	278.31	276.44	3.42%
P #56	PVC - SDR 26	8"	257	276.24	264.06	4.73%
P #57	PVC - SDR 26	8"	32	263.86	261.02	9.00%
P #58	PVC - SDR 26	8"	38	260.82	260.17	1.71%
P #59	PVC - SDR 26	8"	263	259.97	246.04	5.30%
P #60	PVC - SDR 26	8"	84	245.84	245.42	0.50%
P #61	PVC - SDR 26	8"	184	245.22	238.77	3.50%
P #63	PVC - SDR 26	8"	210	250.96	245.37	2.66%
P #64	PVC - SDR 26	8"	98	248.22	245.37	2.90%
P #65	PVC - SDR 26	8"	325	245.17	236.34	2.71%
P #66	PVC - SDR 26	8"	81	236.14	235.74	0.50%
P #67	PVC - SDR 26	8"	38	238.57	236.34	5.85%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #68	PVC - SDR 26	8"	130	235.54	234.89	0.50%
P #69	PVC - SDR 26	8"	325	267.48	265.85	0.50%
P #70	PVC - SDR 26	8"	296	269.15	267.68	0.50%
P #71	DIP	8"	396	263.78	261.80	0.50%
P #72	PVC - SDR 26	8"	126	283.39	279.59	3.00%
P #73	DIP	8"	247	265.65	261.80	1.56%
P #74	DIP	8"	288	261.60	260.16	0.50%
P #75	PVC - SDR 26	8"	223	259.96	258.84	0.50%
P #76	PVC - SDR 26	8"	290	258.64	257.19	0.50%
P #77	PVC - SDR 26	8"	119	256.86	248.02	7.43%
P #78	PVC - SDR 26	8"	167	234.69	230.11	2.75%
P #79	PVC - SDR 26	8"	157	229.91	229.13	0.50%
P #80	PVC - SDR 26	8"	47	228.93	228.30	1.33%
P #81	PVC - SDR 26	8"	124	256.37	256.99	0.50%
P #82	PVC - SDR 26	8"	91	263.98	264.43	0.50%
P #83	PVC - SDR 26	8"	62	264.63	264.94	0.50%
P #84	PVC - SDR 26	8"	143	278.75	286.66	5.53%
P #85	PVC - SDR 26	8"	339	256.17	229.01	8.00%
P #86	PVC - SDR 26	8"	31	228.81	225.98	9.00%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #01	4'	260.82		255.14 E	5.68
SSMH #02	5'	266.23	253.35 W	253.15 E	13.08
SSMH #03	5'	267.72	252.13 W	251.93 E	15.79
SSMH #04	4'	258.00	250.75 W	250.55 S	7.45
SSMH #05	4'	253.91	245.51 N	245.31 S	8.60
SSMH #06	4'	250.01	242.56 N	242.36 SW	7.65
SSMH #07	4'	247.68	239.63 NE	239.43 SW	8.25
SSMH #08	4'	247.65	237.33 NE	237.13 SW	10.52
SSMH #09	5'	249.39	236.53 NE	236.33 SW	13.06
SSMH #10	4'	262.27		256.31 S	5.99
SSMH #11	4'	258.14	250.03 N	249.83 S	8.33
SSMH #12	4'	254.25	246.61 N	246.41 S	7.84
SSMH #13	4'	250.25	242.62 N	242.34 SE	7.91
SSMH #14 INSIDE DROP MANHOLE	6'	248.63	234.93 NE 242.10 NW	234.73 SW	13.90
SSMH #15	4'	241.83	233.13 NE	232.93 SE	8.91
SSMH #16	4'	260.89		255.20 S	5.71
SSMH #17	4'	267.77		260.79 N	7.01
SSMH #18	4'	262.90	253.82 N 253.82 S	253.62 W	9.31
SSMH #19	4'	260.08	252.33 E	252.13 S	7.95
SSMH #20	4'	256.58	249.01 N	248.81 S	7.78
SSMH #21	4'	255.85	246.68 N	246.48 SE	9.37
SSMH #22	4'	288.45		282.12 W	6.33

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #23	4'	280.24	273.15 E	272.95 S	7.29
SSMH #24	4'	275.00	269.31 N	269.11 SW	5.89
SSMH #25	4'	267.01	259.91 NE	259.71 W	7.30
SSMH #26	4'	264.43	258.70 E	258.50 W	5.94
SSMH #27	4'	262.11	253.81 E	253.61 NW	8.50
SSMH #28	4'	259.42	253.11 SE	252.91 NW	6.51
SSMH #29	4'	257.07	248.85 SE	248.65 NW	8.43
SSMH #30	4'	255.80	246.20 SE 246.20 NW	246.00 SW	9.80
SSMH #31	4'	250.26	242.15 NE	241.95 SW	8.31
SSMH #32	5'	251.19	236.03 NE	235.83 SW	15.36
SSMH #33	4'	292.16		281.17 N	11.01
SSMH #34	4'	273.05	262.22 S	262.02 N	11.03
SSMH #35	4'	258.59	248.43 S	248.23 N	10.38
SSMH #36	4'	256.00	246.26 S	246.06 NW	9.94
SSMH #37 INSIDE DROP MANHOLE	6'	252.65	233.39 NE 244.82 SE	233.19 SW	19.46
SSMH #38	5'	256.75	239.62 NE	239.42 SE	17.33
SSMH #39	4'	250.34		241.35 SW	8.99
SSMH #40	4'	309.76		303.37 N	6.40
SSMH #41	4'	305.57	298.80 S	298.60 N	6.98
SSMH #42	4'	302.23	296.14 S	294.97 NW	7.29
SSMH #43	4'	288.87	280.38 SE	280.18 NW	8.68
SSMH #44	4'	278.41	271.77 SE	271.57 NW	6.87

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #45 INSIDE DROP MANHOLE	6'	268.13	231.25 NE 257.23 SE 238.53 NW	231.05 SW	37.10
SSMH #46	6'	271.27	229.67 NE	229.47 NW	41.82
SSMH #47	6'	248.36	227.16 SE	226.96 W	21.39
SSMH #48	4'	276.89		268.38 SW	8.51
SSMH #49	4'	273.26	263.96 NE	263.76 W	9.50
SSMH #50	4'	271.09	260.20 E	260.00 W	11.09
SSMH #51	4'	258.40	247.78 E	247.58 SW	10.82
SSMH #52	4'	257.58	246.39 NE	246.19 SW	11.40
SSMH #53	4'	290.34		283.97 SW	6.37
SSMH #54	4'	284.52	278.51 NE 278.75 SE	278.31 W	6.21
SSMH #55	4'	282.15	276.44 E	276.24 W	5.91
SSMH #56	4'	272.25	264.06 E	263.86 SW	8.39
SSMH #57	4'	271.26	261.02 NE	260.82 SW	10.44
SSMH #58	4'	270.40	260.17 NE	259.97 NW	10.43
SSMH #59	4'	256.80	246.04 NE 246.04 SE	245.84 NW	10.97
SSMH #60	4'	260.77		250.96 NW	9.81
SSMH #61	4'	254.44		248.22 SW	6.22
SSMH #62	4'	253.89	245.37 SE 245.37 NE	245.17 SW	8.72
SSMH #63	5'	248.17	235.74 NE	235.54 NW	12.63
SSMH #64	4'	248.47	238.77 S	238.57 NW	9.89
SSMH #65 INSIDE DROP MANHOLE	6'	285.50	265.85 E 279.59 S	265.65 N	19.87
SSMH #66	5'	280.86	267.68 E	267.48 W	13.37

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #67	5'	276.14	263.98 E	263.78 W	12.36
SSMH #68	4'	289.28		283.39 N	5.91
SSMH #69	6'	282.73	261.80 S 261.80 E	261.60 N	21.16
SSMH #70	5'	275.96	260.16 S	259.96 N	16.00
SSMH #71	4'	270.07	258.84 S	258.64 N	11.43
SSMH #72	4'	265.99	257.19 S	256.86 E 256.99 W	9.13
SSMH #73	4'	256.32	248.02 W		8.30
SSMH #74	5'	246.82	234.89 SE	234.69 NW	12.13
SSMH #75	4'	236.48	230.11 SE	229.91 NE	6.56
SSMH #76	4'	240.05	229.13 SW	228.93 NW	11.12
SSMH #77	4'	276.26		269.15 W	7.12
SSMH #78	4'	247.79	236.34 SE 236.34 NE	236.14 SW	11.65
SSMH #79	4'	253.16	245.42 SE	245.22 N	8.64
SSMH #80	5'	275.76	256.37 E	256.17 N	19.59
SSMH #81	4'	239.00	229.01 S	228.81 NW	10.19
SSMH #82	5'	277.42	264.63 E	264.43 W	12.99
SSMH #83	4'	273.60		264.94 W	8.68
SSMH #84	4'	292.43		286.66 NW	5.77
SSMH #85	4'	269.61	262.09 NE	261.89 SW	7.71

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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

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 SUBDIVISION PLAT

SEWER TABLES

DRAWING SHEET

C-6.10

39 OF 76

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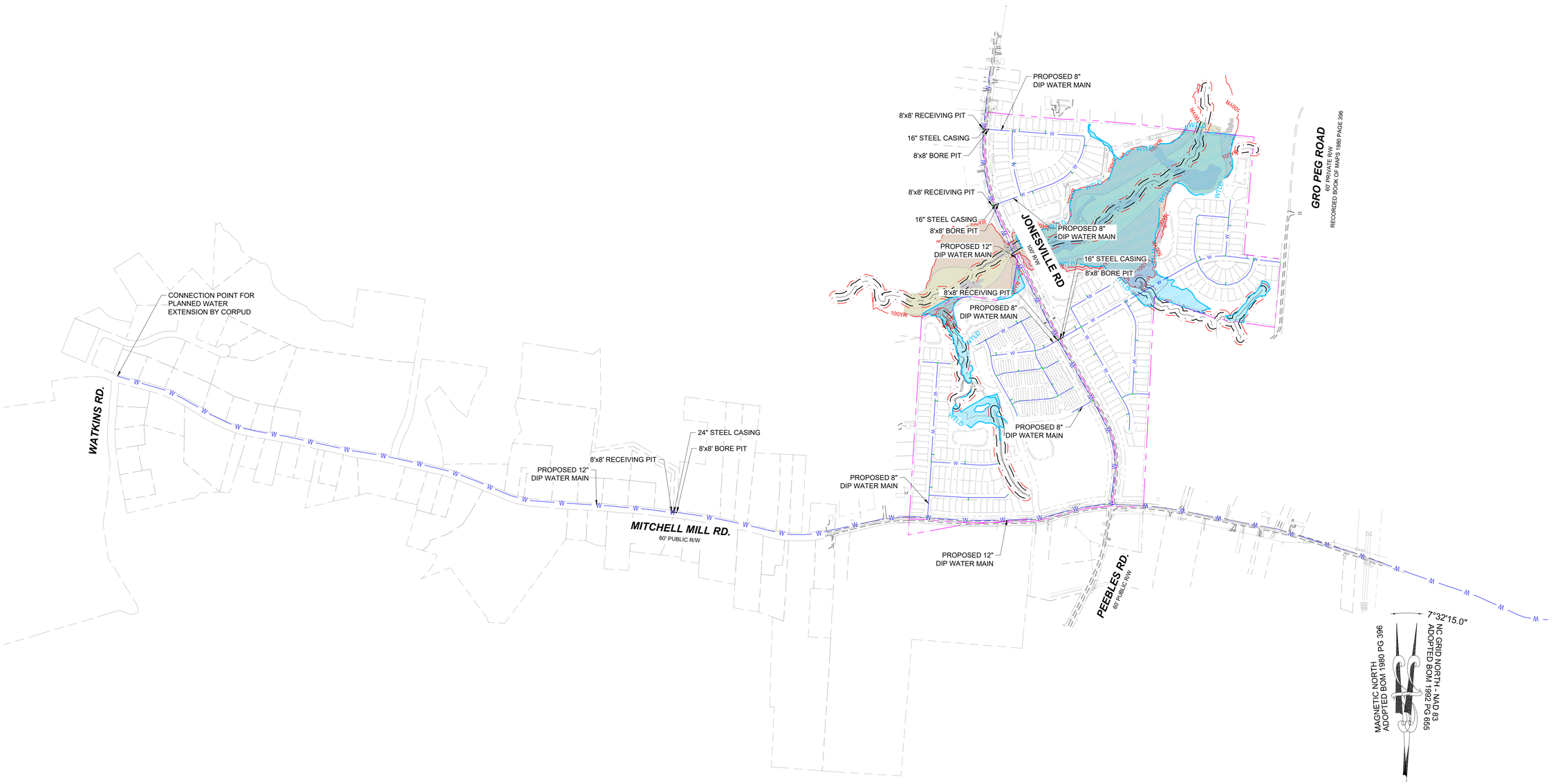
PROGRESS PLOT DATE: 03/01/2024

TOWNHOME NOTES:

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

LEGEND:

- W — WATER LINE
- FIRE HYDRANT ASSEMBLY
- GATE VALVE
- TEE
- BLOW OFF VALVE



GRAPHIC SCALE

400 0 200 400 800 1600

(IN FEET)
1 inch = 400 ft.

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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 SUBDIVISION PLAT

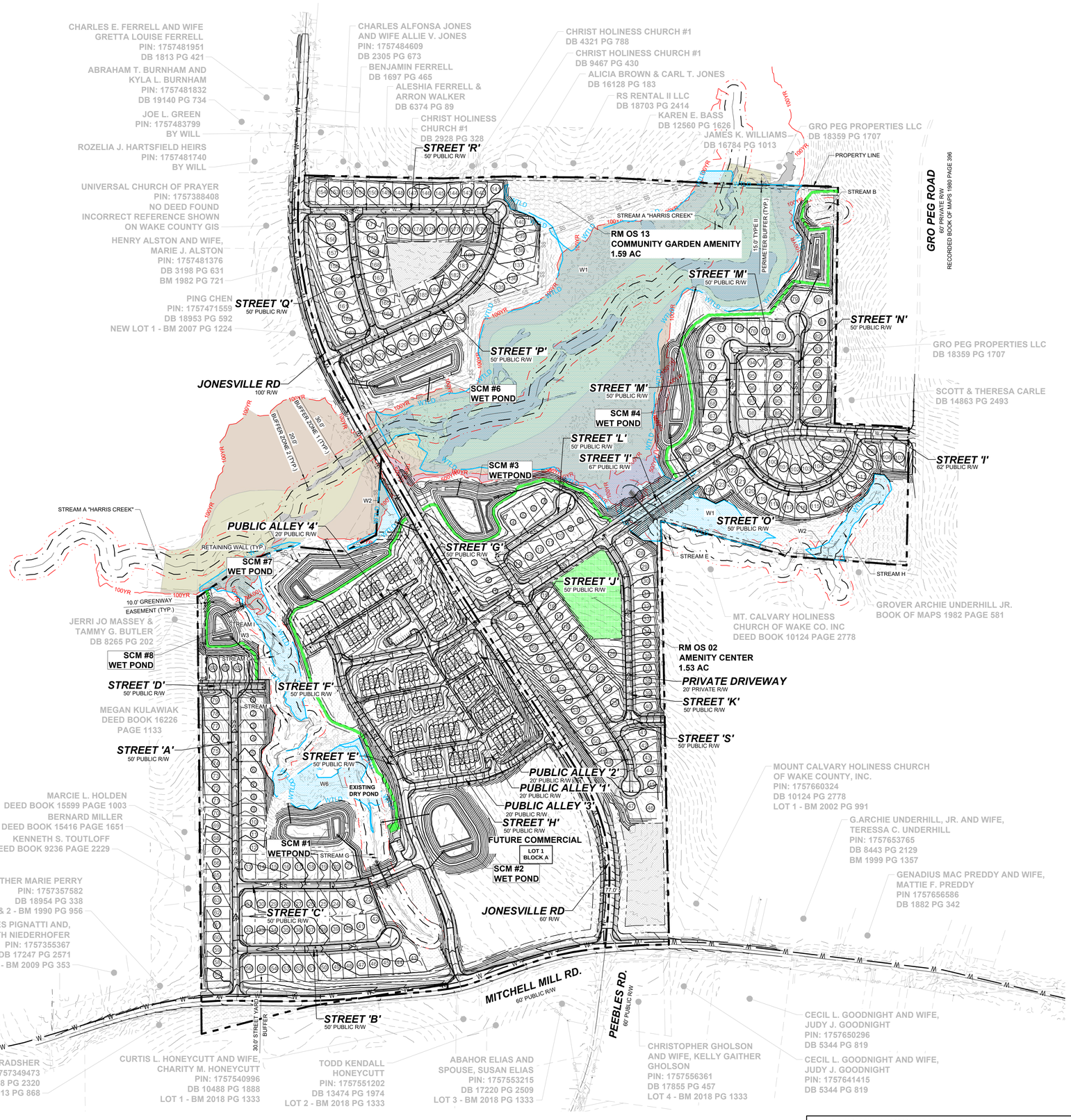
OFF-SITE UTILITY PLAN

DRAWING SHEET

C-6.11

40 OF 76

PROGRESS PLOT DATE: 03/01/2024

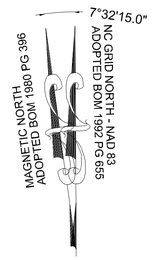


TOWNHOME NOTES:

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.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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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 SUBDIVISION PLAT

OVERALL GRADING AND DRAINAGE PLAN

DRAWING SHEET

C-7.0

41 OF 76

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PROGRESS PLOT DATE: 03/01/2024

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

GENERIC WOODEN PRIVACY FENCE 6' TALL

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

TW: 268.88 BW: 268.88

TW: 272.97 BW: 270.54

TW: 276.22 BW: 272.36

TW: 277.51 BW: 272.58

TW: 268.83 BW: 268.83

TW: 254.00 BW: 254.00

TW: 252.49 BW: 247.40

TW: 254.95 BW: 245.51

TW: 252.07 BW: 244.05

TW: 249.56 BW: 243.75

TW: 247.85 BW: 242.57

TW: 247.79 BW: 243.40

TW: 245.49 BW: 245.42

STREET 'R'
50' PUBLIC R/W

STREET 'Q'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

JONESVILLE RD
60' R/W

RM OS 13
COMMUNITY GARDEN AMENITY
1.59 AC

RM OS 12

RM OS 15

RM OS 14

MATCH LINE
FOR CONTINUATION, SEE C-7.2

MATCH LINE
FOR CONTINUATION, SEE C-7.4

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

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

SCM MAINTENANCE EASEMENT

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

EMERGENCY SPILLWAY: 239.00

FES #319

FES #320

OCS #408

BERM

FLOODZONE AE

FLOODWAY

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

BUFFER ZONE 2 (TYP.) 20.0'

BUFFER ZONE 1 (TYP.) 30.0'

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

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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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

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

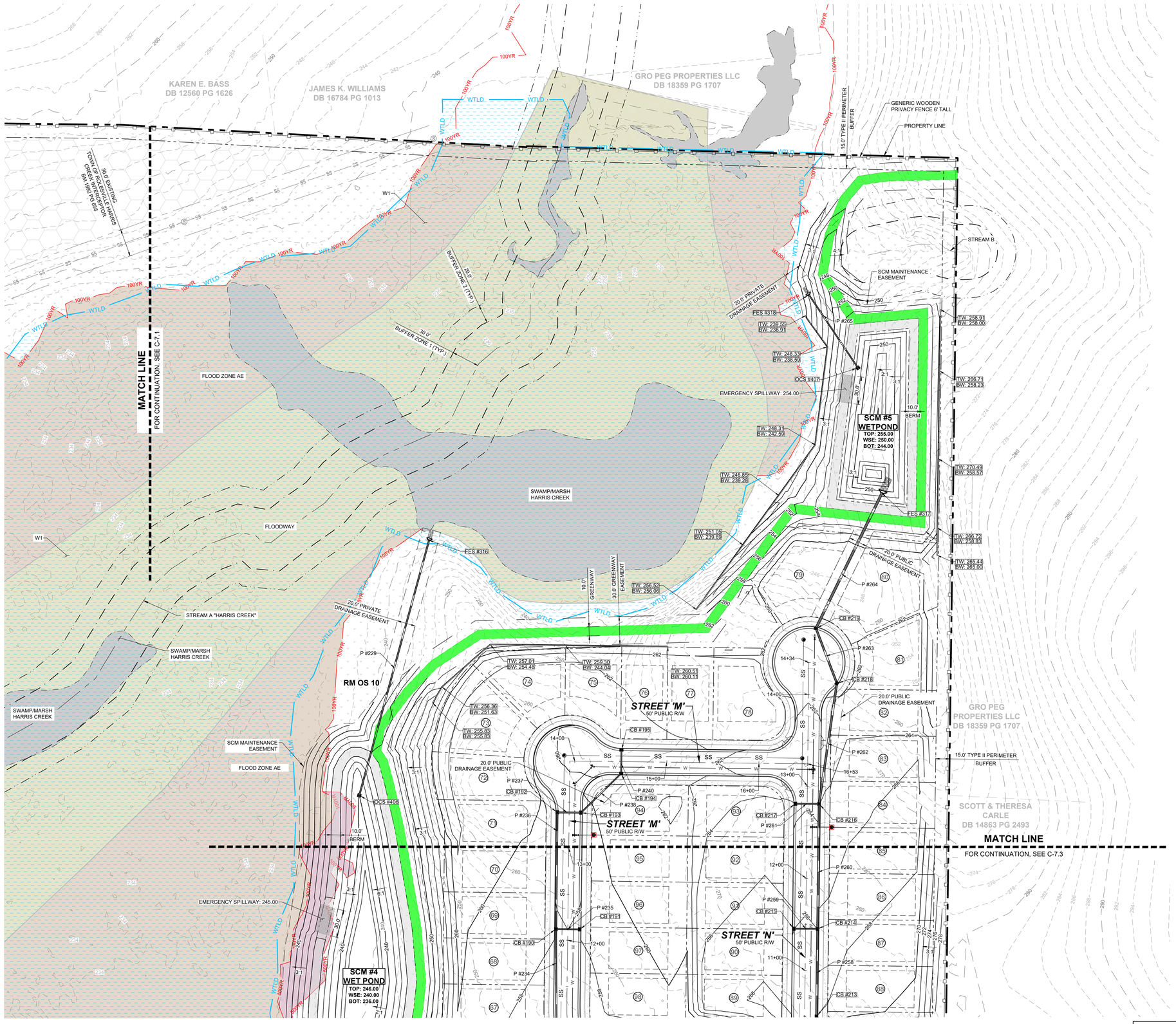
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

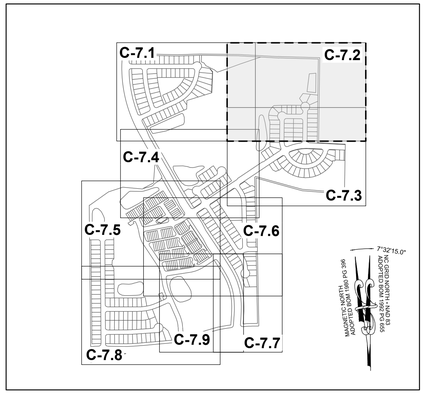
PARTIAL GRADING AND DRAINAGE PLAN I

DRAWING SHEET

C-7.1

PROGRESS PLOT DATE: 03/01/2024

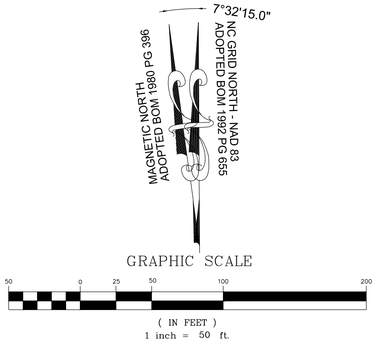




SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



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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
03	TOWN OF ROLESVILLE COMMENTS PSP V3-23-03	03/01/2024	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

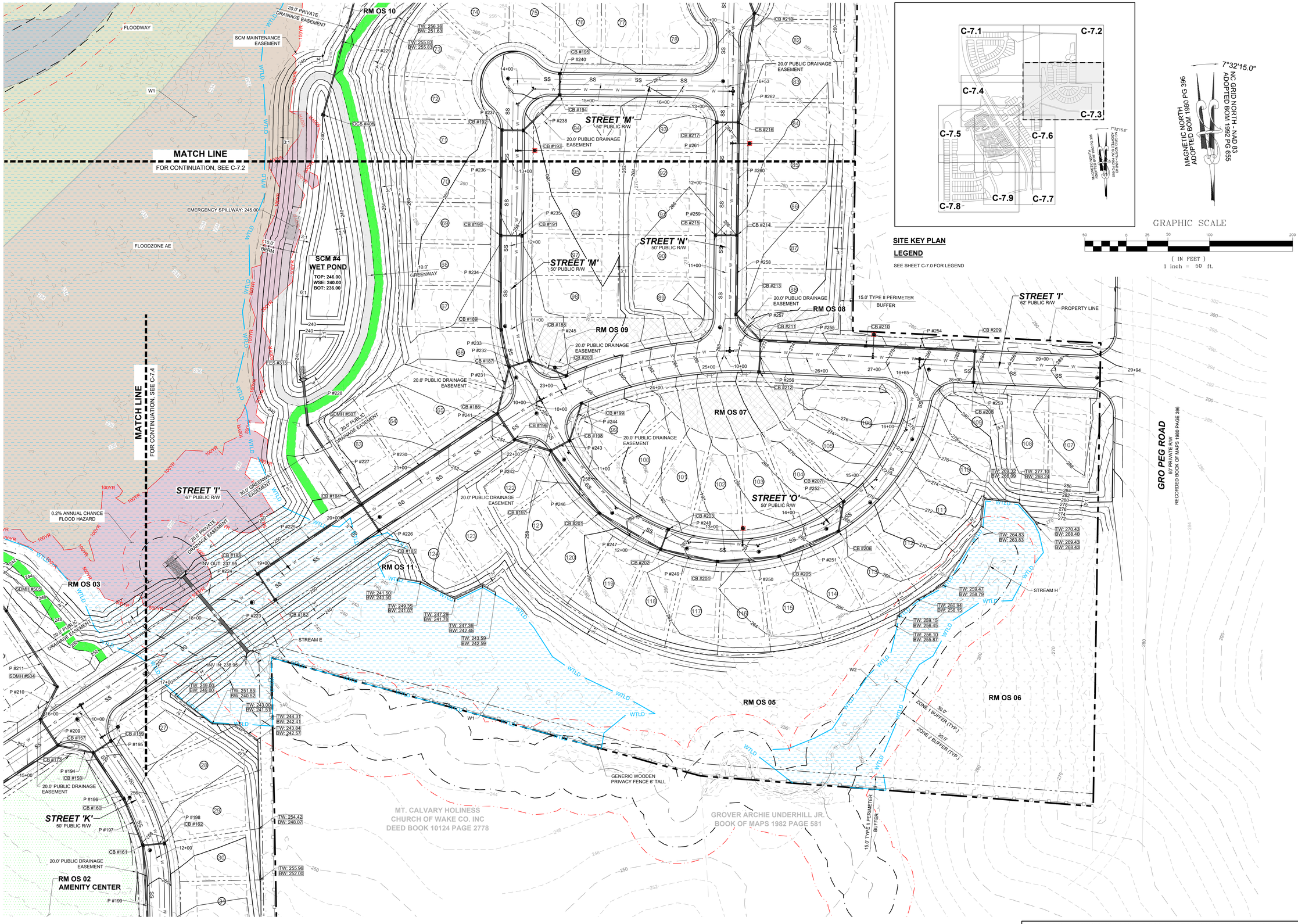
PRELIMINARY SUBDIVISION PLAT

PARTIAL GRADING AND DRAINAGE PLAN II

DRAWING SHEET

C-7.2

PROGRESS PLOT DATE: 03/01/2024



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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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STRONG ROCK ENGINEERING GROUP, 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 SUBDIVISION PLAT

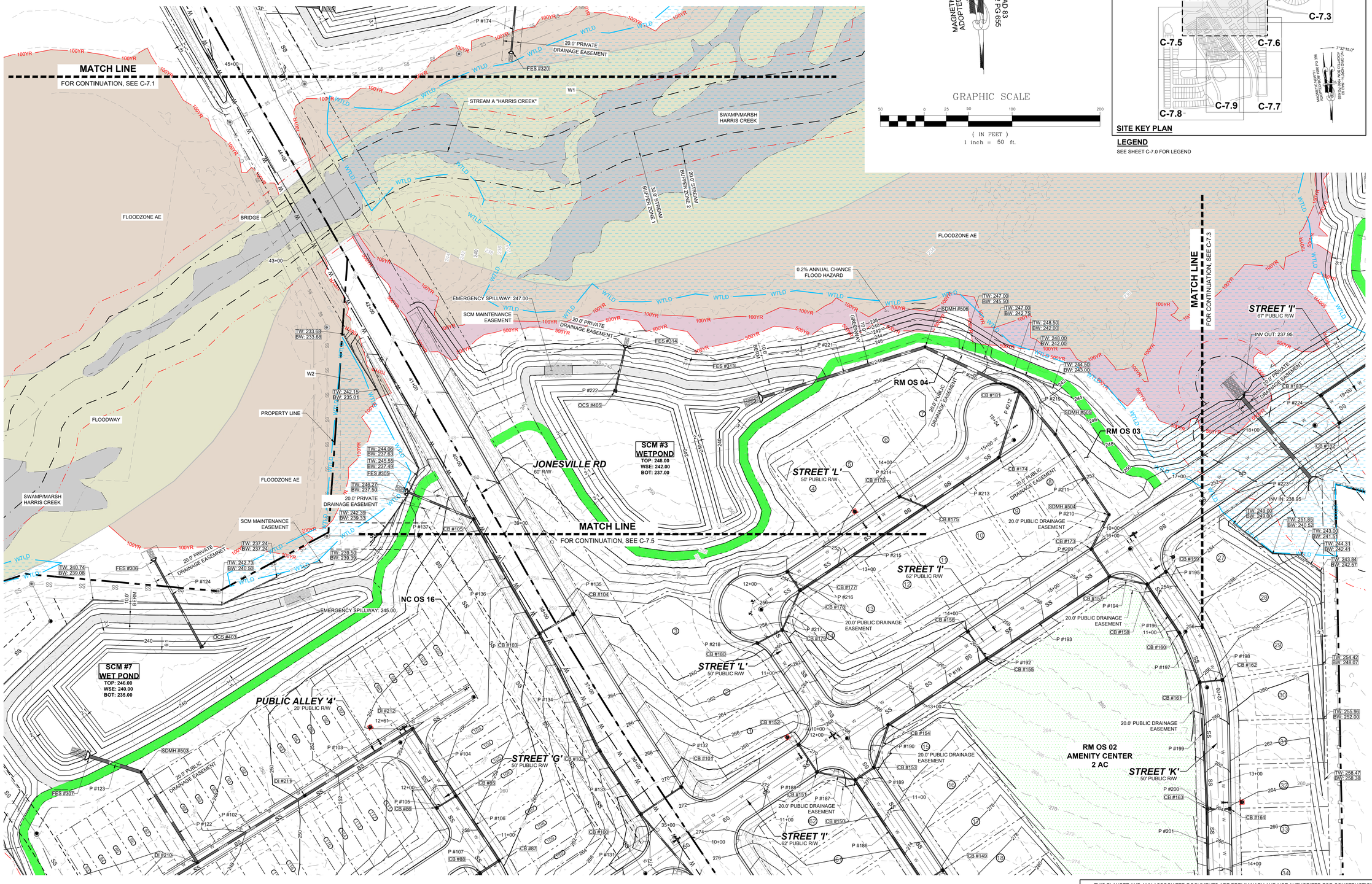
PARTIAL GRADING AND DRAINAGE PLAN III

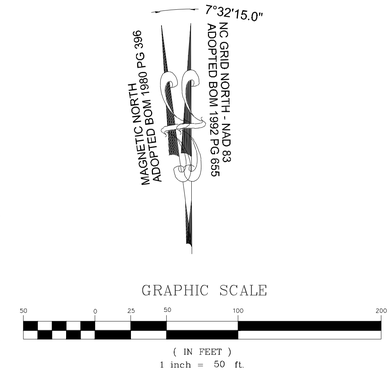
DRAWING SHEET
C-7.3

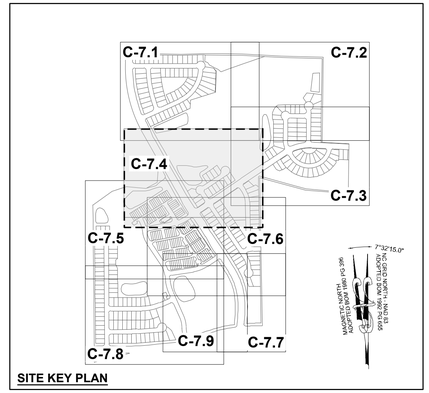
PROGRESS PLOT DATE: 03/01/2024

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

No.	REVISIONS	DATE	BY
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SEAL:

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RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PRELIMINARY SUBDIVISION PLAT

PARTIAL GRADING AND DRAINAGE PLAN IV

DRAWING SHEET

C-7.4

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PROGRESS PLOT DATE: 03/01/2024

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

TOWNHOME NOTES:

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

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

MATCH LINE
FOR CONTINUATION, SEE C-7.4

MATCH LINE
FOR CONTINUATION, SEE C-7.8

MATCH LINE
FOR CONTINUATION, SEE C-7.6

JONESVILLE RD
60' R/W

STREET 'A'
50' PUBLIC R/W

STREET 'D'
50' PUBLIC R/W

STREET 'E'
50' PUBLIC R/W

STREET 'F'
50' PUBLIC R/W

STREET 'G'
50' PUBLIC R/W

STREET 'H'
50' PUBLIC R/W

STREET 'I'
50' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

PUBLIC ALLEY '1'
20' PUBLIC R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

PUBLIC ALLEY '3'
20' PUBLIC R/W

PRIVATE DRIVEWAY
20' PRIVATE R/W

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

EMERGENCY SPILLWAY: 245.00

EXISTING DRY POND

NC OS 01 NC OS 02 NC OS 04 NC OS 05 NC OS 06 NC OS 07 NC OS 08 NC OS 09 NC OS 10 NC OS 11 NC OS 12 NC OS 13 NC OS 14 NC OS 15 NC OS 16 NC OS 17

STREAM G STREAM I STREAM J

W3 W4 W6

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

MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

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

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PARTIAL GRADING AND DRAINAGE PLAN V

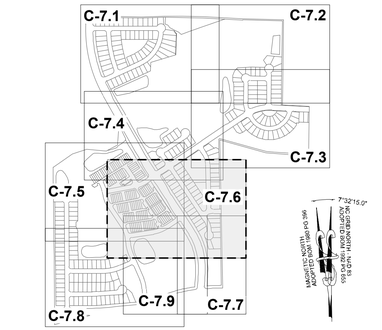
DRAWING SHEET
C-7.5

46 OF 76

PROGRESS PLOT DATE: 03/01/2024

TOWNHOME NOTES:

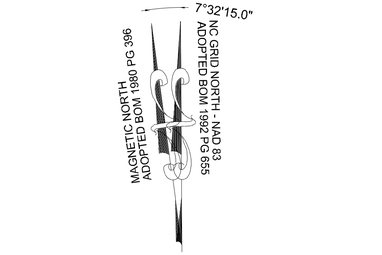
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



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SEAL

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

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 SUBDIVISION PLAT

PARTIAL GRADING AND DRAINAGE PLAN VI

DRAWING SHEET

C-7.6

47 OF 76

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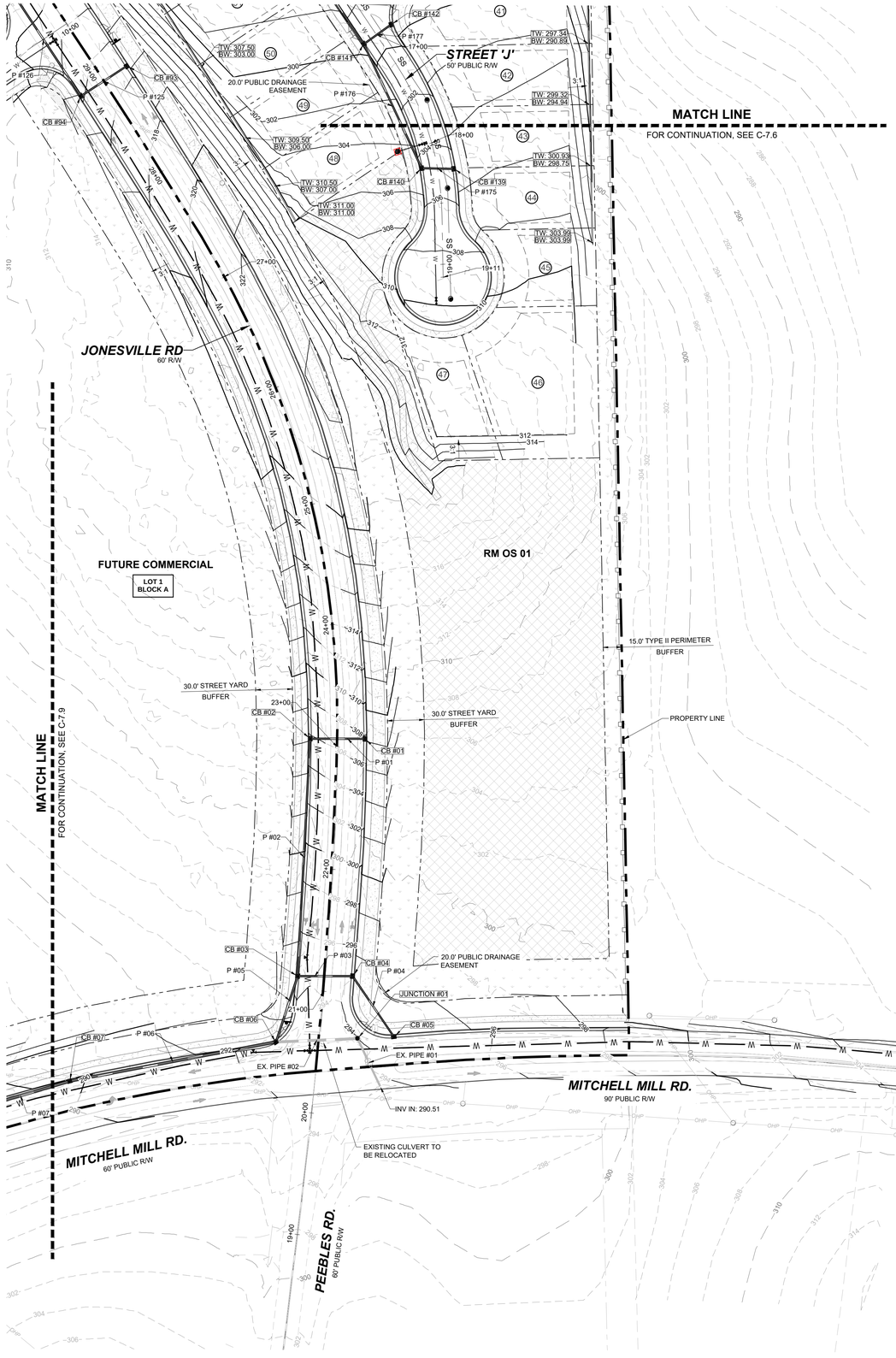
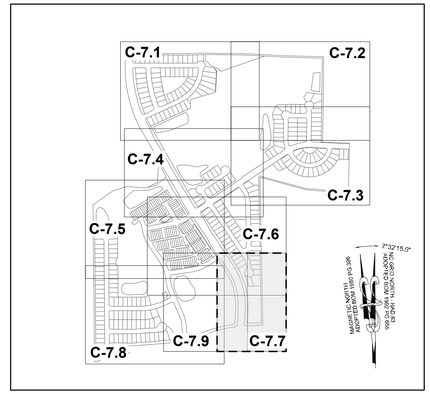
PROGRESS PLOT DATE: 03/01/2024

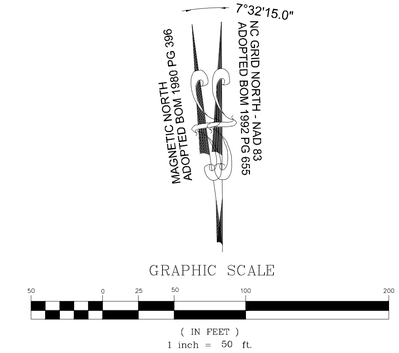




SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL GRADING AND DRAINAGE PLAN VII

DRAWING SHEET

C-7.7

48 OF 76

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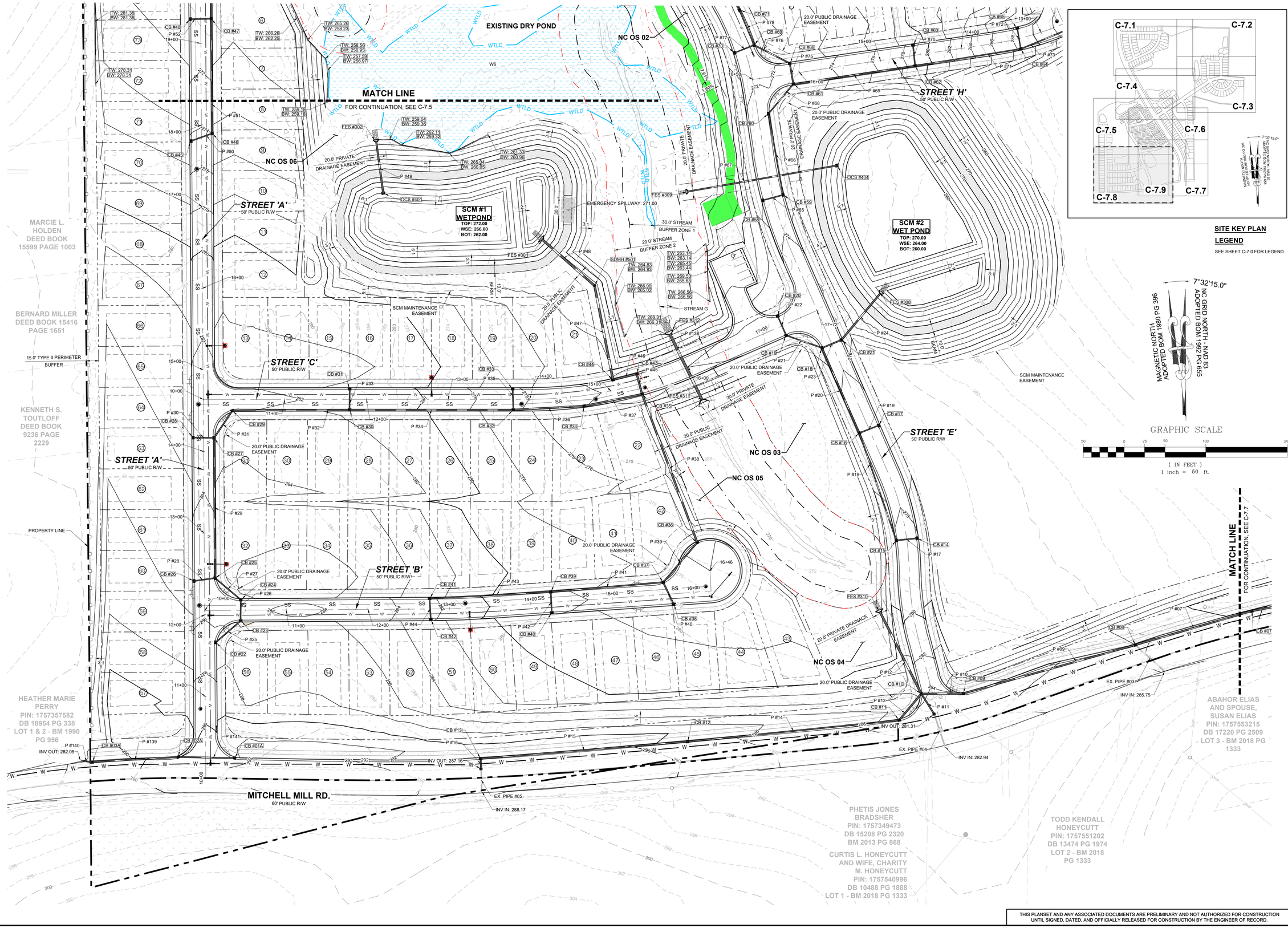
PROGRESS PLOT DATE: 03/01/2024



SITE KEY PLAN LEGEND

SEE SHEET C-7.0 FOR LEGEND

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SEAL

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

PARTIAL GRADING AND DRAINAGE PLAN VIII

DRAWING SHEET

C-7.8

49 OF 76

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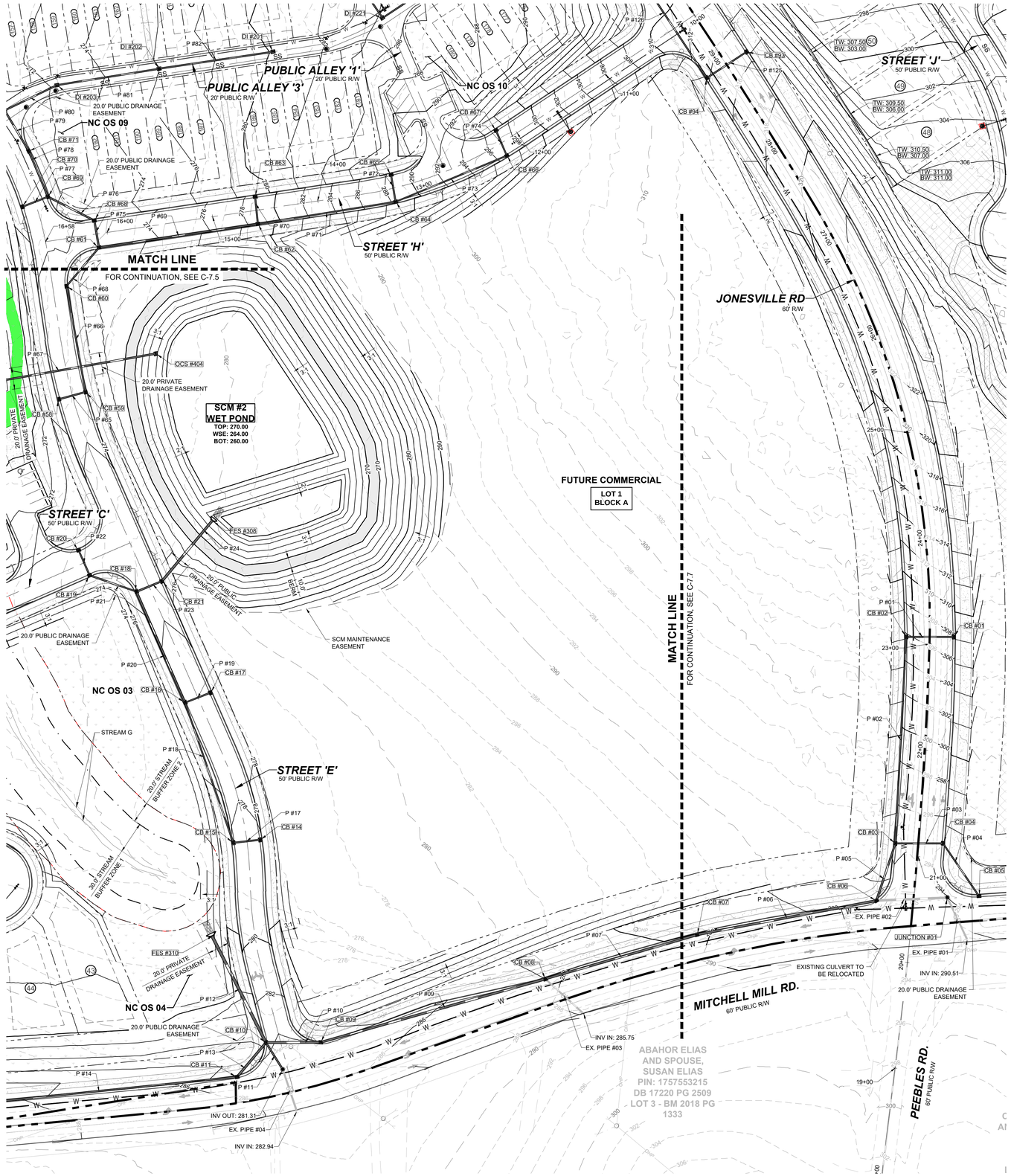

TOWNHOME NOTES:

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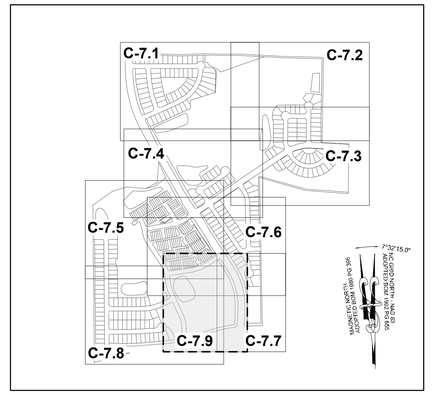
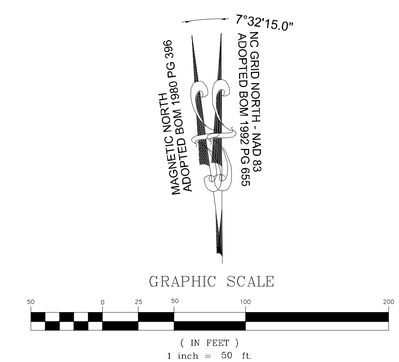


SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND



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

PARTIAL GRADING AND DRAINAGE PLAN IX

DRAWING SHEET

C-7.9

50 OF 76

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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"	67	289.66	288.37	1.93%
EX. PIPE #03	RCP	18"	48	285.75	283.40	4.86%
EX. PIPE #04	RCP	18"	42	282.94	281.31	3.89%
EX. PIPE #05	RCP	18"	28	288.17	287.16	3.64%
P #03	RCP	15"	45	289.14	288.92	0.50%
P #05	RCP	18"	57	288.72	287.37	2.38%
P #06	RCP	24"	172	287.17	284.16	1.75%
P #07	RCP	24"	148	283.96	281.95	1.36%
P #09	RCP	24"	219	281.75	278.86	1.32%
P #10	RCP	24"	51	278.66	277.75	1.77%
P #11	RCP	18"	30	280.11	278.55	5.25%
P #12	RCP	30"	112	277.55	274.69	2.56%
P #14	RCP	18"	261	283.30	280.05	1.25%
P #15	RCP	18"	254	284.76	283.50	0.49%
P #16	RCP	18"	13	286.96	285.76	9.58%
P #17	RCP	15"	25	273.72	273.59	0.50%
P #18	RCP	15"	139	273.39	271.49	1.37%
P #19	RCP	15"	26	272.14	271.49	2.51%
P #20	RCP	18"	114	271.29	270.08	1.06%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #23	RCP	18"	26	269.08	268.95	0.50%
P #24	RCP	24"	74	268.75	264.00	6.41%
P #25	RCP	15"	40	282.17	280.91	3.10%
P #26	RCP	15"	26	280.71	280.59	0.50%
P #27	RCP	15"	41	280.39	280.17	0.53%
P #28	RCP	15"	26	280.33	280.17	0.62%
P #29	RCP	18"	172	279.97	278.22	1.02%
P #30	RCP	15"	26	278.55	278.22	1.28%
P #31	RCP	18"	40	278.02	277.38	1.59%
P #32	RCP	24"	144	276.88	275.71	0.81%
P #33	RCP	15"	26	276.76	276.51	0.97%
P #34	RCP	24"	201	275.51	269.27	3.11%
P #35	RCP	15"	26	268.80	268.47	1.30%
P #36	RCP	24"	87	269.07	268.65	0.48%
P #38	RCP	24"	194	270.55	268.09	1.27%
P #39	RCP	18"	64	271.50	270.75	1.17%
P #41	RCP	18"	138	273.94	272.07	1.35%
P #42	RCP	15"	26	275.52	274.94	2.24%
P #43	RCP	15"	149	277.67	274.14	2.38%
P #44	RCP	15"	26	278.26	277.87	1.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #45	RCP	24"	26	267.89	267.76	0.50%
P #46	RCP	24"	30	267.56	267.41	0.51%
P #48	RCP	30"	85	266.42	266.00	0.50%
P #49	RCP	24"	64	262.00	261.00	1.57%
P #50	RCP	15"	28	269.92	269.52	1.44%
P #51	RCP	15"	141	269.02	265.48	2.51%
P #52	RCP	15"	26	266.14	265.78	1.38%
P #53	RCP	18"	150	265.28	263.21	1.38%
P #54	RCP	15"	26	263.77	263.51	1.01%
P #55	RCP	18"	137	263.01	260.85	1.57%
P #56	RCP	15"	26	261.10	260.85	0.99%
P #57	RCP	15"	48	264.30	261.30	6.21%
P #58	RCP	24"	48	259.35	256.05	6.84%
P #59	RCP	24"	29	254.05	252.62	4.99%
P #62	RCP	30"	116	250.12	246.09	3.47%
P #63	RCP	30"	88	244.09	240.00	4.66%
P #64	RCP	24"	92	238.00	234.00	4.35%
P #65	RCP	15"	26	268.75	268.62	0.50%
P #67	RCP	18"	185	263.23	262.30	0.50%
P #69	RCP	15"	151	273.78	266.56	4.79%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #147	RCP	18"	134	252.82	249.64	2.37%
P #148	RCP	15"	26	249.98	249.64	1.33%
P #149	RCP	18"	155	248.64	245.10	2.28%
P #151	RCP	18"	49	244.90	241.83	6.22%
P #152	RCP	18"	26	241.63	239.90	6.71%
P #153	RCP	18"	93	238.06	237.60	0.50%
P #154	RCP	15"	26	242.36	240.56	7.00%
P #155	RCP	18"	269	239.61	238.26	0.50%
P #156	RCP	15"	26	243.45	242.11	5.18%
P #157	RCP	18"	74	240.18	239.81	0.50%
P #158	RCP	18"	65	240.70	240.38	0.50%
P #159	RCP	15"	26	241.29	240.90	1.53%
P #160	RCP	18"	81	242.46	240.90	1.93%
P #161	RCP	18"	80	245.76	242.66	3.90%
P #163	RCP	15"	26	246.36	245.96	1.55%
P #164	RCP	18"	103	250.23	245.96	4.16%
P #165	RCP	18"	26	250.58	250.43	0.59%
P #168	RCP	24"	116	237.40	236.53	0.75%
P #170	RCP	18"	27	237.59	237.33	0.94%
P #171	RCP	24"	39	236.33	235.31	2.61%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #172	RCP	24"	79	235.11	234.76	0.44%
P #173	RCP	30"	99	234.56	234.00	0.57%
P #174	RCP	18"	84	233.00	231.64	1.62%
P #177	RCP	15"	28	294.81	294.67	0.50%
P #179	RCP	15"	99	289.36	285.44	3.95%
P #181	RCP	18"	150	285.24	277.40	5.22%
P #183	RCP	15"	26	278.53	278.40	0.50%
P #184	RCP	18"	150	277.20	271.22	4.00%
P #185	RCP	15"	26	271.53	271.22	1.20%
P #186	RCP	18"	140	271.02	264.50	4.65%
P #187	RCP	15"	44	264.89	264.50	0.89%
P #188	RCP	18"	38	265.28	265.09	0.50%
P #189	RCP	24"	26	264.08	263.96	0.50%
P #190	RCP	24"	51	263.75	260.29	6.75%
P #191	RCP	24"	135	260.09	253.59	4.82%
P #192	RCP	15"	38	255.05	254.39	1.75%
P #193	RCP	24"	168	253.39	247.45	3.53%
P #194	RCP	18"	44	247.67	247.45	0.50%
P #195	RCP	15"	26	248.54	248.17	1.46%
P #196	RCP	18"	66	249.87	247.87	3.02%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #197	RCP	18"	61	251.99	250.07	3.16%
P #198	RCP	15"	26	254.16	252.99	4.48%
P #199	RCP	18"	145	257.98	252.99	3.44%
P #200	RCP	15"	26	259.41	258.18	4.77%
P #201	RCP	18"	200	272.64	258.18	7.23%
P #202	RCP	15"	26	273.90	273.44	1.81%
P #208	RCP	18"	42	284.49	281.52	7.00%
P #209	RCP	24"	38	247.25	247.04	0.57%
P #210	RCP	24"	44	245.84	245.62	0.50%
P #211	RCP	24"	110	245.42	244.48	0.86%
P #212	RCP	24"	78	244.35	243.96	0.50%
P #213	RCP	24"	101	246.03	244.55	1.46%
P #214	RCP	15"	31	247.18	246.23	3.04%
P #215	RCP	18"	171	252.78	246.23	3.83%
P #216	RCP	15"	26	253.10	252.98	0.50%
P #217	RCP	15"	49	255.59	252.98	5.30%
P #218	RCP	15"	32	257.51	255.79	5.38%
P #219	RCP	30"	63	244.28	243.96	0.50%
P #220	RCP	36"	119	243.76	243.17	0.50%
P #221	RCP	36"	193	242.97	242.00	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #70	RCP	15"	26	274.14	273.98	0.60%
P #75	RCP	18"	26	266.06	265.93	0.50%
P #76	RCP	18"	49	265.73	265.49	0.50%
P #77	RCP	15"	26	266.29	265.49	3.10%
P #78	RCP	18"	46	265.29	265.06	0.50%
P #83	RCP	18"	97	263.06	261.66	1.44%
P #84	RCP	15"	25	261.91	261.66	1.00%
P #85	RCP	18"	119	261.46	252.57	7.45%
P #86	RCP	15"	27	254.46	254.07	1.41%
P #87	RCP	18"	44	251.57	250.49	2.48%
P #88	RCP	15"	52	254.00	251.49	4.86%
P #89	RCP	15"	95	257.58	254.20	3.57%
P #92	RCP	24"	65	248.25	246.23	3.13%
P #93	RCP	15"	26	247.43	247.13	1.17%
P #94	RCP	24"	46	246.03	245.80	0.50%
P #95	RCP	18"	167	253.31	246.10	4.33%
P #96	RCP	15"	26	253.64	253.51	0.50%
P #97	RCP	30"	26	245.60	245.47	0.50%
P #98	RCP	30"	50	245.27	243.57	3.43%
P #100	RCP	30"	81	243.04	241.88	1.43%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #101	RCP	30"	65	241.68	241.31	0.59%
P #102	RCP	30"	144	242.85	241.65	0.83%
P #103	RCP	30"	144	248.68	243.05	3.91%
P #104	RCP	24"	91	250.40	248.88	1.66%
P #105	RCP	15"	26	251.98	251.80	0.69%
P #106	RCP	24"	88	251.33	250.89	0.50%
P #107	RCP	24"	26	252.47	251.53	3.58%
P #109	RCP	18"	133	257.09	254.67	1.83%
P #111	RCP	18"	29	259.57	258.98	2.07%
P #112	RCP	18"	56	258.78	258.50	0.50%
P #113	RCP	18"	115	266.55	259.86	5.83%
P #114	RCP	15"	81	269.50	266.75	3.38%
P #115	RCP	15"	85	270.95	269.70	1.47%
P #117	RCP	15"	123	276.93	271.95	4.06%
P #119	RCP	15"	78	282.83	279.81	3.87%
P #120	RCP	15"	132	279.61	272.88	5.09%
P #121	RCP	15"	112	272.68	266.75	5.28%
P #122	RCP	36"	121	241.11	240.51	0.50%
P #123	RCP	42"	61	240.31	240.00	0.50%
P #124	RCP	24"	111	236.00	235.42	0.52%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #125	RCP	15"	45	310.94	309.30	3.67%
P #126	RCP	15"	230	309.10	293.96	6.59%
P #127	RCP	15"	45	294.21	293.96	0.56%
P #128	RCP	15"	183	293.76	280.50	7.23%
P #129	RCP	15"	50	280.71	280.46	0.50%
P #130	RCP	15"	150	280.26	270.99	6.16%
P #131	RCP	18"	98	270.79	265.64	5.27%
P #132	RCP	15"	56	266.37	266.10	0.50%
P #133	RCP	18"	86	265.44	261.70	4.36%
P #134	RCP	18"	150	261.50	253.90	5.06%
P #135	RCP	15"	45	254.13	253.90	0.50%
P #136	RCP	24"	150	253.70	244.60	6.06%
P #137	RCP	24"	81	244.40	238.00	7.91%
P #138	RCP	36"	89	263.05	262.60	0.51%
P #139	RCP	15"	26	256.33	255.65	2.60%
P #140	RCP	15"	119	255.45	254.86	0.50%
P #141	RCP	18"	47	254.66	254.43	0.50%
P #142	RCP	15"	26	257.93	256.73	4.66%
P #145	RCP	18"	144	254.23	253.02	0.84%
P #146	RCP	15"	26	253.86	253.32	2.11%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #222	RCP	18"	50	239.00	238.00	1.98%
P #223	RCP	48"	119	238.95	237.95	0.84%
P #224	RCP	15"	38	246.18	245.89	0.75%
P #225	RCP	18"	150	245.69	244.62	0.72%
P #226	RCP	18"	38	244.87	244.62	0.65%
P #227	RCP	30"	115	243.42	241.04	2.06%
P #228	RCP	30"	53	240.84	240.00	1.59%
P #229	RCP	18"	287	238.00	236.00	0.70%
P #230	RCP	24"	196	247.61	243.62	2.03%
P #231	RCP	18"	58	249.61	248.61	1.73%
P #233	RCP	18"	46	251.62	250.61	2.20%
P #234	RCP	18"	113	252.80	251.82	0.87%
P #235	RCP	15"	26	253.27	253.00	1.04%
P #236	RCP	18"	127	254.11	253.00	0.88%
P #237	RCP	18"	27	254.50	254.31	0.69%
P #241	RCP	24"	38	248.60	248.41	0.50%
P #242	RCP	24"	45	251.32	248.80	5.56%
P #243	RCP	18"	26	251.65	251.52	0.50%
P #244	RCP	15"	47	252.51	251.85	1.42%
P #245	RCP	15"	48	252.81	250.14	5.59%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #246	RCP	18"	95	253.88	251.52	2.48%
P #247	RCP	18"	86	255.24	254.08	1.36%
P #248	RCP	15"	26	256.65	256.24	1.59%
P #249	RCP	18"	70	257.97	256.38	2.29%
P #250	RCP	18"	75	259.84	258.17	2.24%
P #251	RCP	18"	78	262.44	260.04	3.11%
P #252	RCP	15"	36	263.86	262.77	3.06%
P #253	RCP	15"	38	278.79	278.61	0.50%
P #254	RCP	18"	131	278.21	270.92	5.56%
P #255	RCP	18"	127	270.72	265.20	4.36%
P #256	RCP	15"	38	267.15	266.50	1.71%
P #257	RCP	18"	43	265.00	262.86	4.95%
P #258	RCP	24"	95	261.86	259.47	2.51%
P #259	RCP	15"	26	261.52	260.47	4.09%
P #261	RCP	15"	26	259.17	257.52	6.42%
P #262	RCP	24"	132	255.52	253.98	1.16%
P #263	RCP	24"	64	253.78	253.46	0.50%
P #264	RCP	30"	163	253.26	245.00	5.06%
P #265	RCP	15"	95	241.00	240.00	1.05%

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
03	TOWN OF ROLESVILLE COMMENTS PSP-V2-23-03	03/01/2024	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 SUBDIVISION PLAT

STORM DRAINAGE TABLES

DRAWING SHEET

C-7.10

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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 #03	2' X 3'	294.48	288.92 E 289.22 N	288.72 S
CB #04	2' X 3'	294.82	289.34 SE	289.14 W
CB #06	2' X 3'	292.88	287.37 N 288.37 E	287.17 W
CB #07	2' X 3'	289.81	284.16 E	283.96 W
CB #08	2' X 3'	287.62	281.95 E 283.40 SE	281.75 W
CB #09	2' X 3'	284.52	278.86 E	278.66 W
CB #10	2' X 3'	283.39	277.75 E 278.55 SW 278.55 SE	277.55 NW
CB #12	2' X 3'	288.98	283.50 W	283.30 E
CB #13	2' X 3'	290.24	285.76 S	284.76 E
CB #14	2' X 3'	278.16		273.72 W
CB #15	2' X 3'	278.13	273.59 E	273.39 N
CB #16	2' X 3'	276.56	271.49 S 271.49 E	271.29 NW
CB #17	2' X 3'	276.57		272.14 W
CB #18	2' X 3'	275.31	270.08 SE 269.28 W	269.08 E
CB #21	2' X 3'	275.32	268.95 W	268.75 NE
CB #22	2' X 3'	286.52		282.17 NE
CB #23	2' X 3'	285.44	280.91 SW	280.71 N
CB #24	2' X 3'	285.44	280.59 S	280.39 NW
CB #25	2' X 3'	284.81	280.17 W 280.17 SE	279.97 N
CB #26	2' X 3'	284.84		280.33 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #27	2' X 3'	282.99	278.22 S 278.22 W	278.02 NE
CB #28	2' X 3'	282.99		278.55 E
CB #29	2' X 3'	282.50	277.38 SW	276.88 E
CB #30	2' X 3'	281.40	275.71 W 276.51 N	275.51 E
CB #31	2' X 3'	281.40		276.76 S
CB #32	2' X 3'	276.28	269.27 W 268.47 N	269.07 E
CB #33	2' X 3'	276.32		268.80 S
CB #36	2' X 3'	275.88	270.75 SW	270.55 N
CB #37	2' X 3'	276.46	272.07 W	271.87 SE 271.50 NE
CB #39	2' X 3'	278.21	274.94 S 274.14 W	273.94 E
CB #40	2' X 3'	278.22		275.52 N
CB #41	2' X 3'	282.27	277.87 S	277.67 E
CB #42	2' X 3'	282.23		278.26 N
CB #43	2' X 3'	277.04	267.76 S	267.56 W
CB #45	2' X 3'	274.36		269.92 E
CB #46	2' X 3'	273.96	269.52 W	269.02 N
CB #47	2' X 3'	270.55	265.48 S 265.78 W	265.28 N
CB #48	2' X 3'	270.57		266.14 E
CB #49	2' X 3'	267.92	263.21 S 263.51 W	263.01 N
CB #50	2' X 3'	267.95		263.77 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #51	2' X 3'	265.55	260.85 S 260.85 W	259.35 NE
CB #52	2' X 3'	265.55	261.30 NW	261.10 E
CB #53	2' X 3'	268.95		264.30 SE
CB #54	2' X 3'	261.44	256.05 SW	254.05 NE
CB #55	2' X 3'	260.42	252.62 SW 250.32 E	250.12 N
CB #58	2' X 3'	273.19		268.75 E
CB #59	2' X 3'	273.19	268.62 W	268.42 N
CB #61	2' X 3'	272.36	266.26 SW 266.56 E	266.06 N
CB #62	2' X 3'	278.54	273.98 N 273.98 E	273.78 W
CB #63	2' X 3'	278.63		274.14 S
CB #68	2' X 3'	272.34	265.93 S	265.73 NW
CB #69	2' X 3'	271.30	265.49 SE 265.49 W	265.29 NW
CB #70	2' X 3'	271.18		266.29 E
CB #72	2' X 3'	266.35		261.91 NE
CB #73	2' X 3'	266.35	261.66 SE 261.66 SW	261.46 NW
CB #74	2' X 3'	259.20	254.07 SW 252.57 SE	251.57 NW
CB #75	2' X 3'	258.89		254.46 NE
CB #76	2' X 3'	253.51	248.45 SE	248.25 N
CB #77	2' X 3'	251.42	246.23 S 247.13 W	246.03 NE
CB #78	2' X 3'	251.28		247.43 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #79	2' X 3'	252.03	245.80 SW 246.10 E	245.60 N
CB #81	2' X 3'	258.08		253.64 S
CB #82	2' X 3'	252.03	245.47 S	245.27 NW
CB #83	2' X 3'	249.16	243.57 SE	243.37 W
CB #85	2' X 3'	256.44	250.89 SE 251.80 SW	250.40 NW
CB #86	2' X 3'	256.42		251.98 NE
CB #87	2' X 3'	259.30	251.53 SW	251.33 NW
CB #88	2' X 3'	259.34	253.35 SW 254.67 SE	252.47 NE
CB #91	2' X 3'	264.28		259.57 S
CB #92	2' X 3'	263.69	258.98 N	258.78 SW
CB #93	2' X 3'	315.37		310.94 SW
CB #94	2' X 3'	313.71	309.30 NE	309.10 NW
CB #95	2' X 3'	298.43	293.96 NE 293.96 SE	293.76 NW
CB #96	2' X 3'	298.69		294.21 SW
CB #97	2' X 3'	285.15	280.50 SE 280.46 NE	280.26 NW
CB #98	2' X 3'	285.15		280.71 SW
CB #99	2' X 3'	275.93	270.99 SE	270.79 NW
CB #100	2' X 3'	270.88	265.64 SE 266.10 NE	265.44 NW
CB #101	2' X 3'	270.81		266.37 SW
CB #102	2' X 3'	266.42	261.70 SE	261.50 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #103	2' X 3'	259.31	253.90 SE 253.90 NE	253.70 NW
CB #104	2' X 3'	258.56		254.13 SW
CB #105	2' X 3'	250.84	244.60 SE	244.40 W
CB #106	2' X 3'	260.77		256.33 S
CB #107	2' X 3'	260.09	255.65 N	255.45 E
CB #108	2' X 3'	262.84	254.86 W	254.66 SE
CB #109	2' X 3'	262.72	256.73 E 254.43 NW	254.23 S
CB #110	2' X 3'	262.41	258.13 NE	257.93 W
CB #113	2' X 3'	258.16	253.32 E 253.02 N	252.82 S
CB #114	2' X 3'	258.26		253.86 W
CB #115	2' X 3'	254.27	249.64 E 249.64 N	248.64 S
CB #116	2' X 3'	254.35		249.98 W
CB #117	2' X 3'	249.80	245.10 E 245.10 N	244.90 SW
CB #119	2' X 3'	246.46	241.83 NE	241.63 SE
CB #120	2' X 3'	246.47	239.90 NW 237.60 NE	237.40 SW
CB #121	2' X 3'	249.97	238.26 NE 240.56 NW	238.06 SW
CB #122	2' X 3'	249.97		242.36 SE
CB #123	2' X 3'	248.67	239.81 NE 242.11 NW	239.61 SW
CB #124	2' X 3'	248.63		243.45 SE
CB #125	2' X 3'	247.65	240.38 NE	240.18 SW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #126	2' X 3'	247.11	240.90 NE 240.90 NW	240.70 SW
CB #127	2' X 3'	247.11		241.29 SE
CB #128	2' X 3'	248.01	242.66 NE	242.46 SW
CB #129	2' X 3'	250.67	245.96 N 245.96 NW	245.76 SW
CB #130	2' X 3'	250.80		246.36 SE
CB #131	2' X 3'	255.14	250.43 W	250.23 S
CB #132	2' X 3'	255.34	250.78 NW	250.58 E
CB #135	2' X 3'	241.39	236.53 NE 237.33 NW	236.33 S
CB #136	2' X 3'	242.25		237.59 SE
CB #137	2' X 3'	238.70	235.31 N	235.11 SE
CB #138	2' X 3'	238.12	234.76 NW	234.56 E
CB #141	2' X 3'	299.10	294.67 NE 295.26 SE	294.47 NW
CB #142	2' X 3'	298.90		294.81 SW
CB #144	2' X 3'	289.46	285.44 SE 285.44 NE	285.24 NW
CB #146	2' X 3'	282.59	278.40 NE 277.40 SE	277.20 NW
CB #147	2' X 3'	282.61		278.53 SW
CB #148	2' X 3'	275.74	271.22 NE 271.22 SE	271.02 NW
CB #149	2' X 3'	275.77		271.53 SW
CB #150	2' X 3'	269.33	264.50 SE 264.50 W	264.08 NE
CB #151	2' X 3'	270.00	265.09 NW	264.89 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #152	2' X 3'	269.99		265.28 SE
CB #153	2' X 3'	269.33	263.96 SW	263.75 N
CB #154	2' X 3'	265.67	260.29 S	260.09 NE
CB #155	2' X 3'	259.52	253.59 SW 254.39 NW	253.39 NE
CB #156	2' X 3'	259.55		255.05 SE
CB #157	2' X 3'	252.79	247.45 E 247.45 SW	247.25 NW
CB #158	2' X 3'	253.26	248.17 NE 247.87 SE	247.67 W
CB #159	2' X 3'	253.25		248.54 SW
CB #160	2' X 3'	255.73	250.07 S	249.87 NW
CB #161	2' X 3'	258.11	252.99 S 252.99 E	251.99 N
CB #162	2' X 3'	258.25		254.16 W
CB #163	2' X 3'	263.75	258.18 E 258.18 S	257.98 N
CB #164	2' X 3'	263.75		259.41 W
CB #165	2' X 3'	278.15	273.44 E 273.44 S	272.64 N
CB #166	2' X 3'	278.19		273.90 W
CB #172	2' X 3'	295.96		284.49 N
CB #173	2' X 3'	252.77	247.04 SE	245.84 NE
CB #174	2' X 3'	250.35	244.55 SW	244.35 N
CB #175	2' X 3'	250.85	246.23 SW 246.23 W	246.03 NE
CB #176	2' X 3'	250.94		247.18 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #177	2' X 3'	254.54		253.10 SE
CB #178	2' X 3'	254.42	252.98 SW 252.98 NW	252.78 NE
CB #179	2' X 3'	258.67	255.79 SW	255.59 NE
CB #180	2' X 3'	259.45		257.51 NE
CB #181	2' X 3'	250.01	243.96 SE 243.96 S	243.76 NW
CB #182	2' X 3'	250.75		246.18 NW
CB #183	2' X 3'	250.75	245.89 SE	245.69 NE
CB #184	2' X 3'	249.95	243.62 NE 244.62 SE 244.62 SW	243.42 NW
CB #185	2' X 3'	249.95		244.87 NW
CB #186	2' X 3'	254.21	248.41 SE 248.61 N	247.61 SW
CB #187	2' X 3'	255.90	250.61 N 249.81 E	249.61 S
CB #189	2' X 3'	256.40	251.82 N	251.62 S
CB #190	2' X 3'	257.71	253.00 E 253.00 N	252.80 S
CB #191	2' X 3'	257.71		253.27 W
CB #192	2' X 3'	259.17	254.31 E	254.11 S
CB #193	2' X 3'	259.21	254.70 NE	254.50 W
CB #196	2' X 3'	254.25	248.80 E	248.60 NW
CB #197	2' X 3'	256.39	251.52 NE 251.52 SE	251.32 W
CB #198	2' X 3'	256.40	251.85 N	251.65 SW
CB #199	2' X 3'	257.28		252.51 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #200	2' X 3'	257.14		252.81 NW
CB #201	2' X 3'	258.87	254.08 SE	253.88 NW
CB #202	2' X 3'	261.08	256.24 N 256.38 E	255.24 NW
CB #203	2' X 3'	261.08		256.65 S
CB #204	2' X 3'	262.88	258.17 E	257.97 W
CB #205	2' X 3'	264.80	260.04 NE	259.84 W
CB #206	2' X 3'	267.20	262.77 N	262.44 SW
CB #207	2' X 3'	268.30		263.86 S
CB #208	2' X 3'	283.23		278.79 N
CB #209	2' X 3'	283.22	278.61 S	278.21 W
CB #210	2' X 3'	276.73	270.92 E	270.72 W
CB #211	2' X 3'	271.59	266.50 S 265.20 E	265.00 NW
CB #212	2' X 3'	271.58		267.15 N
CB #213	2' X 3'	267.66	262.86 SE	261.86 N
CB #215	2' X 3'	265.96		261.52 E
CB #216	2' X 3'	263.60	255.72 S 257.52 W	255.52 N
CB #217	2' X 3'	263.61		259.17 E
CB #219	2' X 3'	260.67	253.46 S	253.26 NE
DI #209	2' X 3'	247.68	241.88 SE	241.68 NE
DI #210	2' X 3'	247.40	241.65 NE 241.31 SW	241.11 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
DI #211	2' X 3'	250.33	243.05 NE	242.85 SW
DI #212	2' X 3'	253.92	248.88 SE	248.68 SW
DI #213	2' X 3'	264.57	258.50 NE 259.86 SE	257.09 NW
SDMH #501	2' X 3'	275.75	266.62 S	266.42 NW
SDMH #504	2' X 3'	252.85	245.62 SW	245.42 NW
SDMH #505	2' X 3'	250.96	244.48 SE	244.28 NW

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
CB #80	2' X 3'	258.07	253.51 N	253.31 W
DI #203	2' X 3'	272.24	267.65 E	267.45 SW
DI #206	2' X 3'	262.22	257.78 E	257.58 W
DI #207	2' X 3'	258.49	254.20 E	254.00 SW
DI #214	2' X 3'	271.44	266.75 NE 266.75 SE	266.55 NW
DI #215	2' X 3'	274.18	269.70 NE	269.50 SW
DI #216	2' X 3'	277.52	271.95 SE 271.15 NW	270.95 SW
DI #218	2' X 3'	282.71	277.93 SE	276.93 NW
DI #220	2' X 3'	277.34	272.88 SE	272.68 NW
DI #221	2' X 3'	284.30	279.81 NE	279.61 NW
DI #222	2' X 3'	287.29		282.83 SW

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"	237.76		235.42 SE
FES #307	42"	243.96		240.00 E
FES #308	24"	266.33		264.00 SW
FES #309	18"	264.10		262.30 E
FES #310	30"	277.56		274.69 SE
FES #311	36"	266.47	263.05 NW	
FES #312	36"	266.02		262.60 SE
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 SE
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'	238.75		236.00 NW
OCS #404	2' X 3'	267.00		263.23 W
OCS #405	2' X 3'	245.00		239.00 N
OCS #406	2' X 3'	243.00		238.00 N
OCS #407	2' X 3'	260.27		241.00 NW
OCS #408	2' X 3'	237.00		233.00 S

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
JUNCTION #01	4'	293.95	289.86 SE	289.66 W
SDMH #502	4'	254.07	246.09 S	244.09 NW
SDMH #503	4'	246.18	240.51 SE	240.31 W
SDMH #506	4'	248.01	243.17 SE	242.97 W
SDMH #507	4'	246.84	241.04 SE	240.84 N

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
CB #35	2' X 3'	273.42	268.09 S 268.09 W	267.89 N
CB #44	2' X 3'	273.53	267.41 E	267.21 N

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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 SUBDIVISION PLAT

STORM DRAINAGE TABLES

DRAWING / SHEET

C-7.11

52 OF 76

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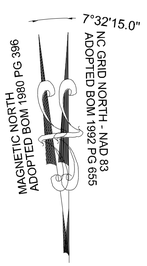
PROGRESS PLOT DATE: 03/01/2024

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING
STREET TREES								
	ACE FLD	56	ACER FLORIDANUM	SOUTHERN SUGAR MAPLE	12' HT.	B&B	3.0"	40' OC
	ACE SCR	36	ACER X FREEMANII 'SCARSEN'	SCARLET SENTINEL® RED MAPLE	12' HT.	B&B	3.0"	40' OC
	CAR FST	19	CARPINUS BETULUS 'FASTIGIATA'	UPRIGHT EUROPEAN HORNBEAM	12' HT.	B&B	3.0"	40' OC
	CLA LUT	49	CLADRASTIS LUTEA	AMERICAN YELLOWWOOD	12' HT.	B&B	3.0"	40' OC
	GIN AUT	28	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	12' HT.	B&B	3.0"	40' OC
	GLE TTI	39	GLEDITSIA TRIACANTHOS F. INERMIS	THORNLESS HONEY LOCUST	12' HT.	B&B	3.0"	40' OC
	NYS SYL	42	NYSSA SYLVATICA	TUPELO	12' HT.	B&B	3.0"	40' OC
	PIS SAR	49	PISTACIA CHINENSIS 'SARAH'S RADIANCE'	SARAH'S RADIANCE CHINESE PISTACHE	12' HT.	B&B	3.0"	40' OC
	PLA OCC	25	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	12' HT.	B&B	3.0"	40' OC
	QUE CEN	47	QUERCUS BICOLOR 'BONNIE AND MIKE'	BEACON® OAK	12' HT.	B&B	3.0"	40' OC
	QUE UIY	31	QUERCUS HEMISPHAERICA 'QHMTF'	AVALYN™ LAUREL OAK	12' HT.	B&B	3.0"	40' OC
	QUE SHU	49	QUERCUS SHUMARDII	SHUMARD OAK	12' HT.	B&B	3.0"	40' OC
	TIL AME	58	TILIA AMERICANA	AMERICAN LINDEN	12' HT.	B&B	3.0"	40' OC
SUBTOTAL:		**528**						
UNDERSTORY BUFFER								
	AME LKG	49	AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY MULTI-TRUNK	8' HT.	B&B	3.0"	MULTI STEM
	CAR OCR	62	CARPINUS CAROLINIANA 'ORANGE CRUSH'	ORANGE CRUSH AMERICAN HORNBEAM	7' HT.	B&B	3.0"	MULTI STEM
	CHI VIR	50	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	6' HT.	B&B	3.0"	MULTI STEM
	LAG PXC	15	LAGERSTROEMIA INDICA X FAURIEI 'APALACHEE'	APALACHEE CRAPE MYRTLE	6' HT.	B&B	3.0"	MULTI STEM
	LAG OTN	60	LAGERSTROEMIA INDICA X FAURIEI 'COMANCHE'	COMANCHE CRAPE MYRTLE	6' HT.	B&B	3.0"	MULTI STEM
	LAG TON	16	LAGERSTROEMIA INDICA X FAURIEI 'TONTO'	TONTO CRAPE MYRTLE MULTI-TRUNK	6' HT.	B&B	3.0"	MULTI STEM
SUBTOTAL:		**252**						

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DETAIL
BUFFER SHRUBS								
	ILE CON	466	ACER FLORIDANUM	CONVEX-LEAVED JAPANESE HOLLY	2' HT.	POT	48' O.C.	
	LOR ' 'C	516	LOROPETALUM CHINENSE RUBRUM 'CAROLINA MIDNIGHT'	CAROLINA MIDNIGHT FRINGE FLOWER	2' HT.	POT	48' O.C.	
	PRU CSL	503	PRUNUS LUSITANICA 'ANGUSTIFLOLIA'	PORTUGAL LAUREL	3 GAL.	POT	48' O.C.	
SUBTOTAL:		**1485**						



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

TOWNHOME NOTES:

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



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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 SUBDIVISION PLAT
OVERALL LANDSCAPE PLAN

DRAWING SHEET
C-8.0

53 OF 76

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PROGRESS PLOT DATE: 03/01/2024

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

RS RENTAL II LLC
DB 18703 PG 2414

KAREN E. BASS
DB 12560 PG 1626

PROPERTY LINE

GENERIC WOODEN PRIVACY FENCE 6' TALL

TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1982 PG 695

30.0' EXISTING

15.00' TYPE II PERIMETER BUFFER

RETAINING WALL (TYP.)

RM OS 13
COMMUNITY GARDEN AMENITY

RM OS 12

RM OS 15

RM OS 14

STREET 'R'
50' PUBLIC R/W

STREET 'Q'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

JONESVILLE RD
100' R/W

30.0' STREET YARD BUFFER

10.0' BERM

SCM #6
WET POND

SWAMP/MARSH
HARRIS CREEK

STREAM A
"HARRIS CREEK"

BUFFER ZONE 1 (TYP.) 20.0'

BUFFER ZONE 1 (TYP.) 30.0'

W1

WTLD

100YR

MATCH LINE
FOR CONTINUATION, SEE C-8.2

MATCH LINE
FOR CONTINUATION, SEE C-8.4

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

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396
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-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

SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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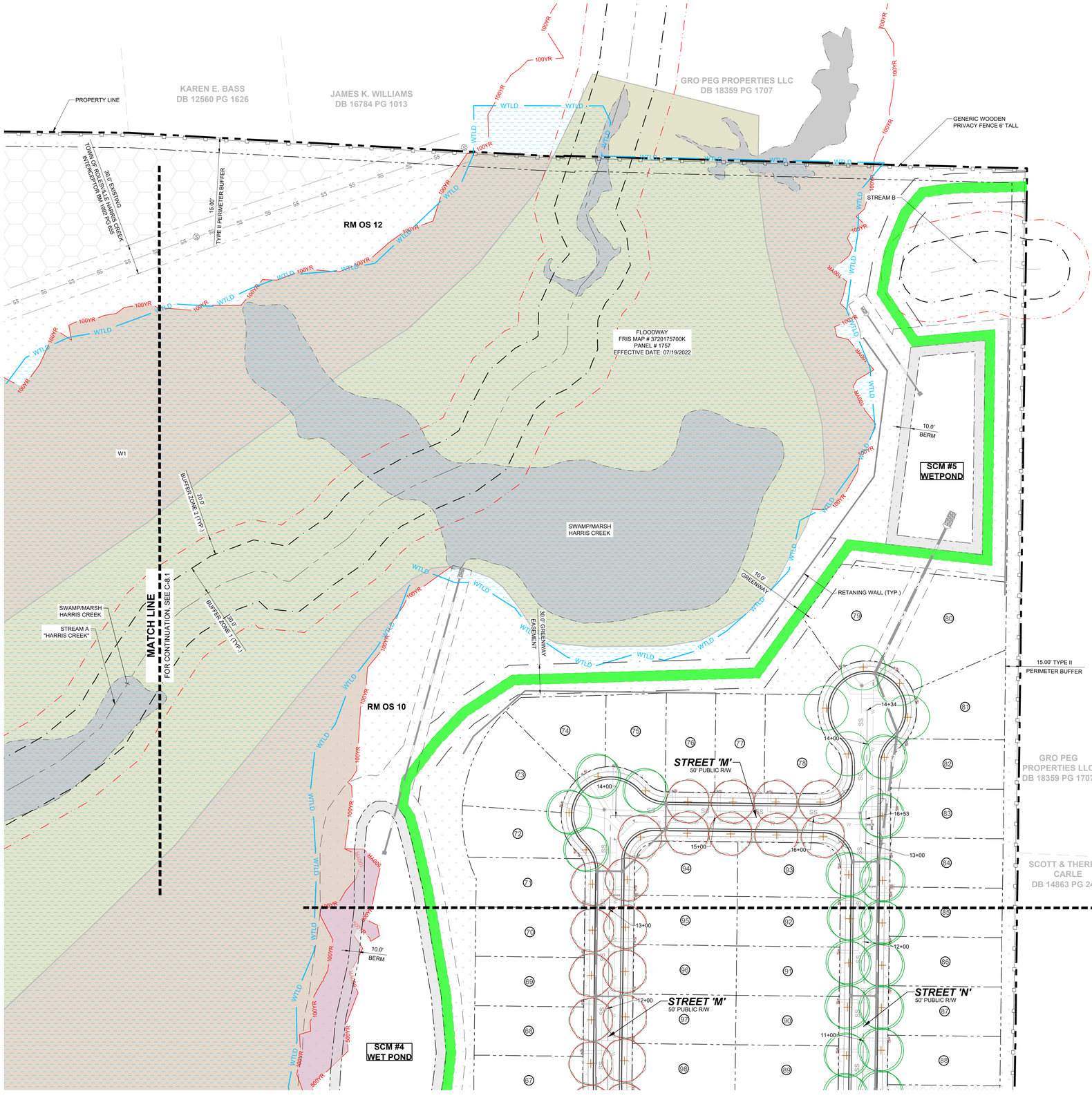
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

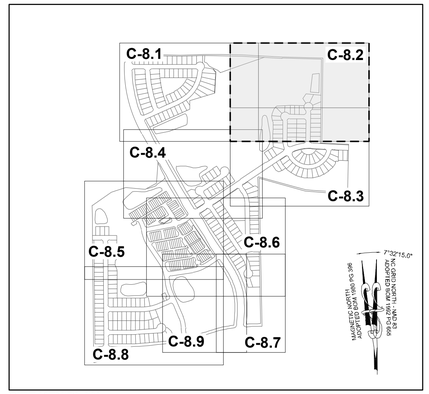
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-8.1

PROGRESS PLOT DATE: 03/01/2024

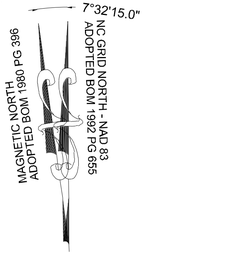




SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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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 SUBDIVISION PLAT

PARTIAL LANDSCAPE PLAN II

DRAWING SHEET

C-8.2

PROGRESS PLOT DATE: 03/01/2024

SWAMP/MARSH
HARRIS CREEK

W1

MATCH LINE
FOR CONTINUATION, SEE C-8.2

MATCH LINE
FOR CONTINUATION, SEE C-8.4

0.2% ANNUAL CHANCE
FLOOD HAZARD

100YR
500YR
WTLD

10.0'
BERM

10.0'
GREENWAY

30.0' GREENWAY
EASEMENT

10.0'
SIDEWALK (TYP.)

30.0'
EASEMENT GREENWAY

10.0'
GREENWAY

STREET 'M'
50' PUBLIC R/W

STREET 'N'
50' PUBLIC R/W

STREET 'I'
62' PUBLIC R/W

STREET 'I'
67' PUBLIC R/W

STREET 'K'
50' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

SCM #4
WET POND

RM OS 02
AMENITY CENTER

RM OS 03

RM OS 04

RM OS 05

RM OS 06

RM OS 07

RM OS 08

RM OS 09

RM OS 11

GRO PEG
PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA
CARLE
DB 14863 PG 2493

GENERIC WOODEN
PRIVACY FENCE 6' TALL

15.00'
TYPE II PERIMETER BUFFER

PROPERTY LINE

RETANING WALL (TYP.)

STREAM E

STREAM H

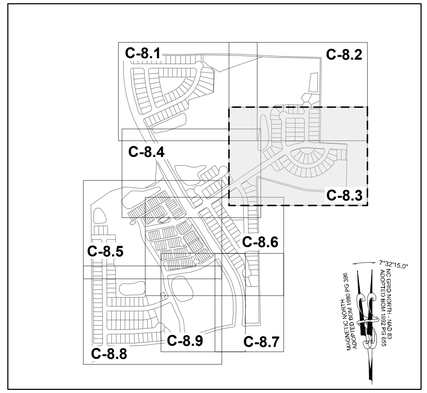
30.0'
BUFFER ZONE 1 (TYP.)

20.0'
BUFFER ZONE 2 (TYP.)

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

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
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CHECKED BY	JWL

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

PARTIAL LANDSCAPE PLAN III

DRAWING SHEET

C-8.3

56 OF 76

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PROGRESS PLOT DATE: 03/01/2024

TOWNHOME NOTES:

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SITE KEY PLAN

LEGEND:

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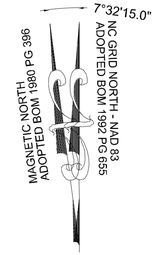
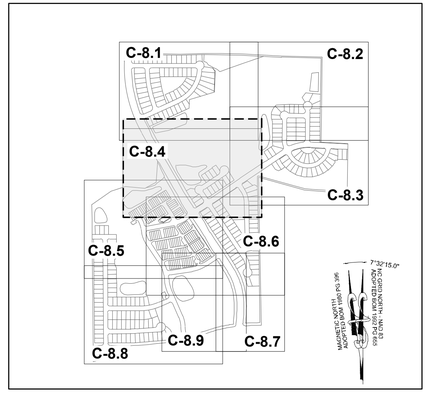


GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.



MATCH LINE
FOR CONTINUATION, SEE C-8.1

MATCH LINE
FOR CONTINUATION, SEE C-8.3

MATCH LINE
FOR CONTINUATION, SEE C-8.5

30' SANITARY SEWER EASEMENT

BRIDGE

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

W1

W2

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

PROPERTY LINE

RETAINING WALL (TYP.)

10.0' BERM

SCM #7
WET POND

SCM #3
WETPOND

NC OS 16

RM OS 04

RM OS 03

RM OS 02
AMENITY CENTER

0.2% ANNUAL CHANCE FLOOD HAZARD

30.0' GREENWAY EASEMENT

10.0' GREENWAY

SIDEWALK (TYP.)

STREAM E

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.00' TYPE II PERIMETER BUFFER

PUBLIC ALLEY '4'
20' PUBLIC R/W

STREET 'G'
50' PUBLIC R/W

JONESVILLE RD
100' R/W

STREET 'L'
50' PUBLIC R/W

STREET 'I'
62' PUBLIC R/W

STREET 'I'
67' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

STREET 'K'
50' PUBLIC R/W

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03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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 SUBDIVISION PLAT

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-8.4

57 OF 76

PROGRESS PLOT DATE: 03/01/2024

TOWNHOME NOTES:

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

MATCH LINE
FOR CONTINUATION, SEE C-8.4

STREAM A "HARRIS CREEK"

NC OS 17

SCM #7
WET POND

10.0' BERM

NC OS 16

30.00' STREET YARD BUFFER

PUBLIC ALLEY '4'
20' PUBLIC R/W

STREET 'G'
50' PUBLIC R/W

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

SCM #8
WET POND

NC OS 08

STREAM I

30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)

RETAINING WALL (TYP.)

NC OS 15

NC OS 14

STREET 'I'
62' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

JONESVILLE RD
100' R/W

30.0' STREET YARD BUFFER

STREET 'D'
50' PUBLIC R/W

STREET 'F'
50' PUBLIC R/W

NC OS 01

NC OS 13

MATCH LINE
FOR CONTINUATION, SEE C-8.6

30.0' STREET YARD BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

STREET 'A'
50' PUBLIC R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

NC OS 11

PRIVATE DRIVEWAY
20' PRIVATE R/W

NC OS 12

STREET 'E'
50' PUBLIC R/W

MEGAN KULAWIAK
DEED BOOK 16226
PAGE 1133

NC OS 07

STREAM J

PROPERTY LINE

W4

EXISTING DRY POND

10.0' GREENWAY

30.0' GREENWAY EASEMENT

NC OS 10

PUBLIC ALLEY '1'
20' PUBLIC R/W

PUBLIC ALLEY '3'
20' PUBLIC R/W

NC OS 09

NC OS 02

STREET 'H'
50' PUBLIC R/W

15.0' TYPE II PERIMETER BUFFER

MATCH LINE
FOR CONTINUATION, SEE C-8.8

W6

10.0' BERM

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

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 695
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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

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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 SUBDIVISION PLAT

PARTIAL LANDSCAPE PLAN V

DRAWING SHEET
C-8.5

58 OF 76

PROGRESS PLOT DATE: 03/01/2024

PUBLIC ALLEY '4'
20' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'I'
62' PUBLIC R/W

RM OS 02
AMENITY CENTER

STREET 'G'
50' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

JONESVILLE RD
100' R/W

GENERIC WOODEN
PRIVATE FENCE 6' TALL

STREET 'K'
50' PUBLIC R/W

15.0'
TYPE II PERIMETER BUFFER

NC OS 15

NC OS 14

30.0' STREET YARD
BUFFER

STREET 'F'
50' PUBLIC R/W

NC OS 13

NC OS 11

PUBLIC ALLEY '2'
20' PUBLIC R/W

PRIVATE DRIVEWAY
20' PRIVATE R/W

NC OS 12

STREET 'E'
50' PUBLIC R/W

RETAINING WALL (TYP.)

STREET 'S'
50' PUBLIC R/W

NC OS 10

PUBLIC ALLEY '1'
20' PUBLIC R/W

PUBLIC ALLEY '3'
20' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-8.7

NC OS 09

NC OS 02

110.0'
GREENWAY

30.0' GREENWAY
EASEMENT

WTLD

MATCH LINE
FOR CONTINUATION, SEE C-8.5

STREET 'H'
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-8.8

10.0'
BERM

STREET 'E'
50' PUBLIC R/W

JONESVILLE RD
60' R/W

30.0'
STREET YARD BUFFER

STREAM G

30.0'
BUFFER ZONE 1 (TYP.)

20.0'
BUFFER ZONE 2 (TYP.)

SCM #2
WET POND

LOT 1
BLOCK A

FUTURE COMMERCIAL

RM OS 01

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

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-8.0 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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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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DRAWN BY	SRG
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

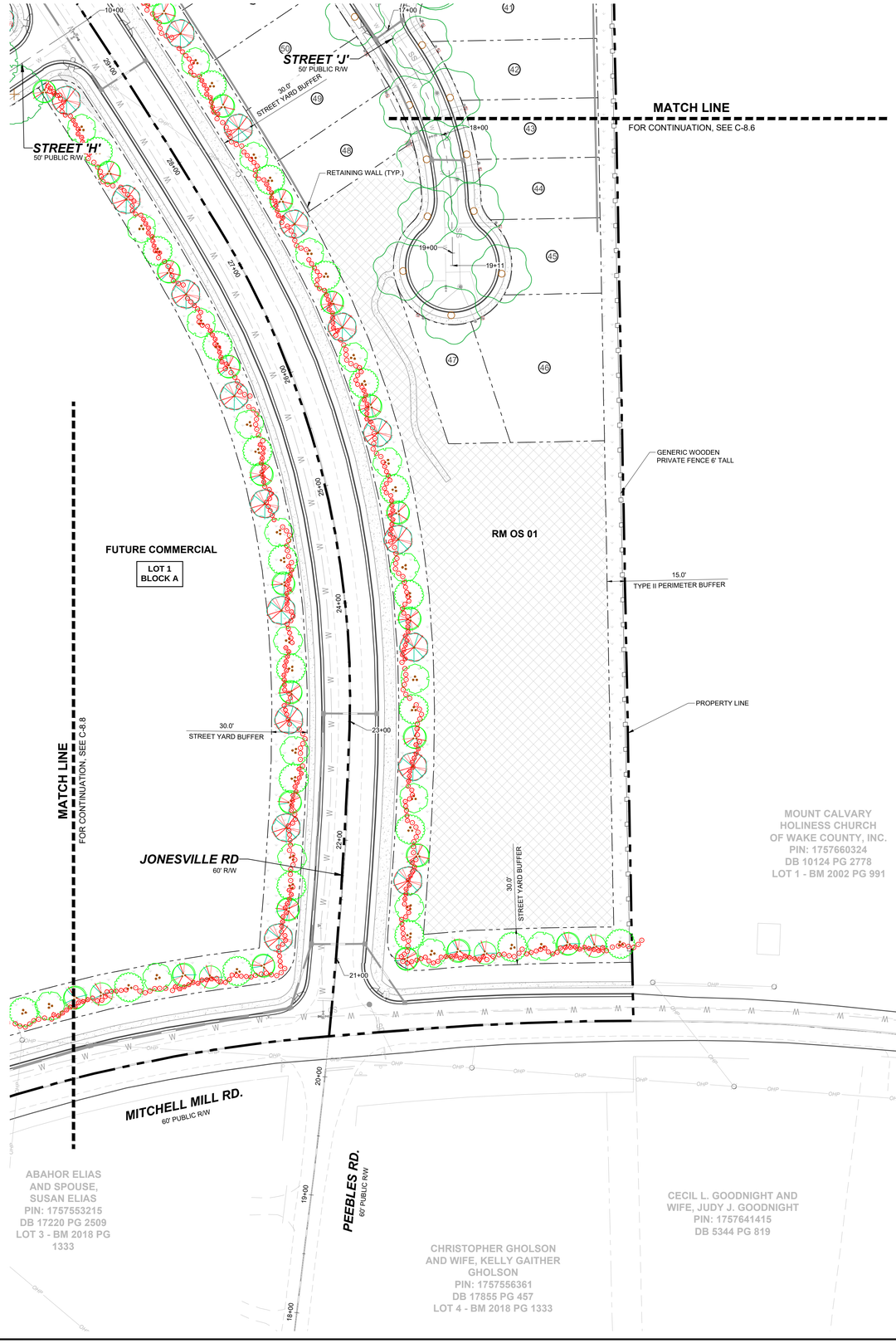
PARTIAL UTILITY PLAN VI

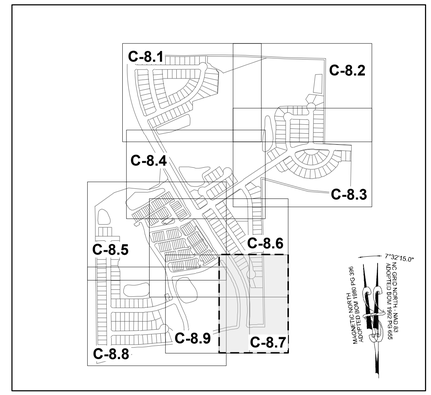
DRAWING SHEET

C-8.6

59 OF 76

PROGRESS PLOT DATE: 03/01/2024

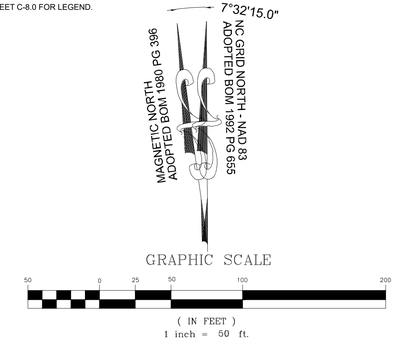




SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



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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 SUBDIVISION PLAT

PARTIAL LANDSCAPE PLAN VII

DRAWING / SHEET

C-8.7

60 OF 76

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PROGRESS PLOT DATE: 03/01/2024

EXISTING DRY POND

RETAINING WALL (TYP.)

W6

NC OS 06

MATCH LINE
FOR CONTINUATION, SEE C-8.5

STREET 'H'
50' PUBLIC R/W

SCM #1
WETPOND

SCM #2
WET POND

10.0' BERM

30.0' GREENWAY EASEMENT

10.0' GREENWAY

STREET 'C'
50' PUBLIC R/W

STREET 'E'
50' PUBLIC R/W

NC OS 03

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

30.0' BUFFER ZONE 2 (TYP.)

STREET 'A'
50' PUBLIC R/W

NC OS 05

STREET 'B'
50' PUBLIC R/W

NC OS 04

30.0' STREET YARD BUFFER

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

MITCHELL MILL RD.
60' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-8.7

MARCIE L. HOLDEN
DEED BOOK 15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK 9236 PAGE 2229

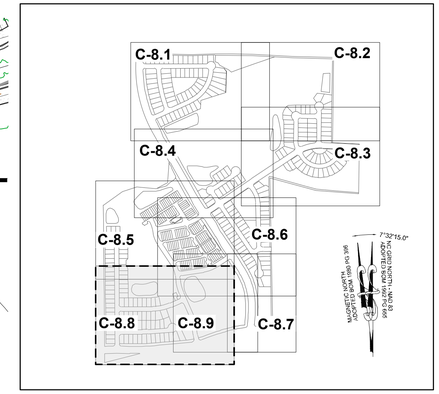
HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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03	TOWN OF ROLESVILLE COMMENTS PSP-V3 23-03	03/01/2024	SREG

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 SUBDIVISION PLAT

PARTIAL LANDSCAPE PLAN VIII

DRAWING SHEET

C-8.8

61 OF 76

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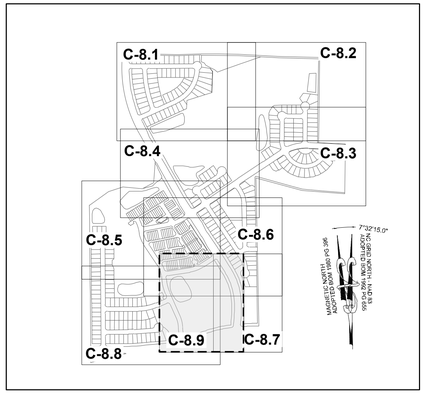

SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 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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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 SUBDIVISION PLAT

PARTIAL LANDSCAPE PLAN IX

DRAWING SHEET

C-8.9

62 OF 76

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PROGRESS PLOT DATE: 03/01/2024

NOTE:

THE CRITICAL ROOT ZONES (CRZ) SHALL REMAIN FREE OF ALL BUILDING MATERIALS, REFUSE, AND DEBRIS.

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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
PROPERTY LINE
RM OS 13 COMMUNITY GARDEN AMENITY
STREET 'R' 50' PUBLIC R/W
STREET 'Q' 50' PUBLIC R/W
STREET 'P' 50' PUBLIC R/W
SCM #6 WET POND
STREET 'M' 50' PUBLIC R/W
SCM #4 WET POND
STREET 'N' 50' PUBLIC R/W
SCM #5 WETPOND
STREAM B
FLOODWAY
FLOODZONE AE
SWAMP/MARSH HARRIS CREEK
STREAM A "HARRIS CREEK"
HIGH WATER MARK
0.2% ANNUAL CHANCE FLOOD HAZARD
GRO PEG RD 60' PRIVATE R/W RECORDED BOOK OF MAPS 1980 PAGE 396
GRO PEG PROPERTIES LLC DB 18359 PG 1707
SCOTT & THERESA CARLE DB 14863 PG 2493
STREET 'I' 62' PUBLIC R/W
JONESVILLE RD 60' PUBLIC R/W
SCM #3 WETPOND
STREET 'L' 50' PUBLIC R/W
STREET 'I' 67' PUBLIC R/W
STREET 'O' 50' PUBLIC R/W
STREAM H
STREAM E
SCM #7 WET POND
STREET 'G' 50' PUBLIC R/W
SCM #8 WET POND
PUBLIC ALLEY '4' 20' PUBLIC R/W
STREET 'F' 50' PUBLIC R/W
RM OS 02 AMENITY CENTER
STREET 'J' 50' PUBLIC R/W
STREET 'K' 50' PUBLIC R/W
STREET 'S' 50' PUBLIC R/W
GROVER ARCHIE UNDERHILL JR. BOOK OF MAPS 1982 PAGE 581
MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC DEED BOOK 10124 PAGE 2778
JERRI JO MASSEY & TAMMY G. BUTLER DB 8265 PG 202
STREET 'D' 50' PUBLIC R/W
PUBLIC ALLEY '2' 20' PUBLIC R/W
PUBLIC ALLEY '1' 20' PUBLIC R/W
MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133
PUBLIC ALLEY '3' 20' PUBLIC R/W
STREET 'A' 50' PUBLIC R/W
SCM #1 WETPOND
STREET 'H' 50' PUBLIC R/W
PRIVATE DRIVEWAY
MOUNT CALVARY HOLINESS CHURCH OF WAKE COUNTY, INC. PIN: 1757660324 DB 10124 PG 2778 LOT 1 - BM 2002 PG 991
MARCIE L. HOLDEN DEED BOOK 15599 PAGE 1003
BERNARD MILLER DEED BOOK 15416 PAGE 1651
KENNETH S. TOUTLOFF DEED BOOK 9236 PAGE 2229
SCM #2 WET POND
FUTURE COMMERCIAL LOT 1 BLOCK A
STREET 'C' 50' PUBLIC R/W
JONESVILLE RD 60' R/W
GRO PEG RD 60' PRIVATE R/W
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
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
STREET 'B' 50' PUBLIC R/W
STREET 'E' 50' PUBLIC R/W
MITCHELL MILL RD 60' PUBLIC R/W
MITCHELL MILL RD 90' PUBLIC R/W
PEEBLES RD 60' PUBLIC R/W
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
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

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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 SUBDIVISION PLAT
OVERALL PRESERVATION PLAN

DRAWING SHEET
C-9.0

63 OF 76

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PROGRESS PLOT DATE: 03/01/2024

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

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

GENERIC WOODEN PRIVACY FENCE 6' TALL

30.00' STREET YARD BUFFER

15.00' TYPE II PERIMETER BUFFER

PROPERTY LINE

STREET 'R'
50' PUBLIC R/W

STREET 'Q'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

JONESVILLE RD
60' R/W

RM OS 13
COMMUNITY GARDEN AMENITY

RM OS 12

RM OS 15

RM OS 14

SCM #6
WET POND

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

MATCH LINE
FOR CONTINUATION, SEE C-9.2

MATCH LINE
FOR CONTINUATION, SEE C-9.4

FLOODZONE AE

FLOODWAY

20.0' BUFFER ZONE 2 (TYP.)

30.0' BUFFER ZONE 1 (TYP.)

STREAM A "HARRIS CREEK"

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

7°32'15.0"
MAGNETIC NORTH ADOPTED BOM 1980 PG 396
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-9.1 C-9.2 C-9.3 C-9.4 C-9.5 C-9.6 C-9.7 C-9.8

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01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
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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

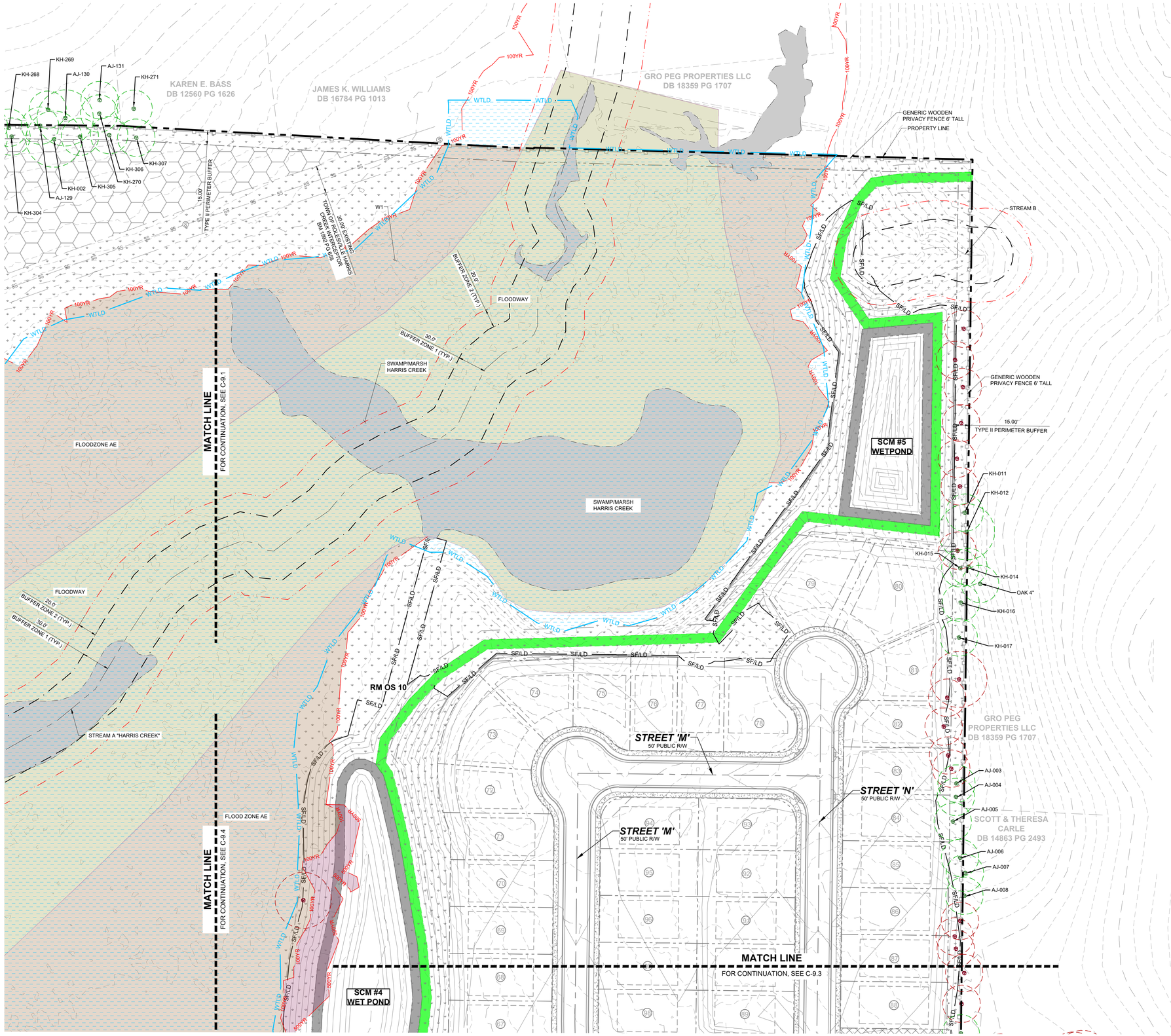
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

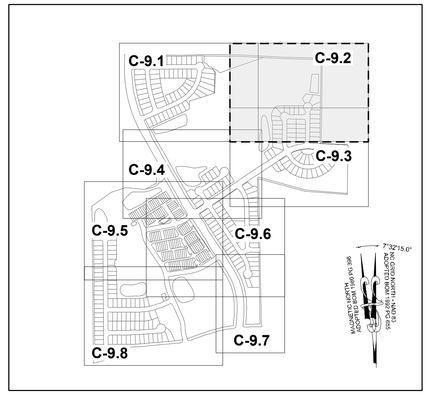
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN I

DRAWING SHEET
C-9.1

64 OF 76

PROGRESS PLOT DATE: 03/01/2024





SITE KEY PLAN

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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SEAL

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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN II

DRAWING SHEET

C-9.2

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PROGRESS PLOT DATE: 03/01/2024

RM OS 10

STREET 'M'
50' PUBLIC R/W

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA CARLE
DB 14863 PG 2493

MATCH LINE
FOR CONTINUATION, SEE C-9.2

STREET 'M'
50' PUBLIC R/W

STREET 'N'
50' PUBLIC R/W

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.00'
TYPE II PERIMETER BUFFER

SCM #4
WET POND

STREET 'I'
62' PUBLIC R/W

RM OS 09

RM OS 08

RM OS 07

STREAM A "HARRIS CREEK"

SWAMP/MARSH
HARRIS CREEK

W1

FLOODZONE AE

0.2% ANNUAL CHANCE
FLOOD HAZARD

MATCH LINE
FOR CONTINUATION, SEE C-9.4

STREET 'I'
67' PUBLIC R/W

RM OS 11

STREET 'O'
50' PUBLIC R/W

RM OS 03

STREAM E

STREAM H

GENERIC WOODEN
PRIVACY FENCE 6' TALL

STREET 'K'
50' PUBLIC R/W

RM OS 05

RM OS 06

30.00'
ZONE 1 BUFFER (TYP.)

20.00'
ZONE 2 BUFFER (TYP.)

15.00'
TYPE II PERIMETER BUFFER

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

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

RM OS 02
AMENITY CENTER

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

SITE KEY PLAN

C-9.1 C-9.2 C-9.3 C-9.4 C-9.5 C-9.6 C-9.7 C-9.8

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.

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

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CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN III

DRAWING SHEET
C-9.3

66 OF 76

PROGRESS PLOT DATE: 03/01/2024

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 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-9.1 C-9.2 C-9.3 C-9.4 C-9.5 C-9.6 C-9.7 C-9.8

MATCH LINE
FOR CONTINUATION, SEE C-9.1

MATCH LINE
FOR CONTINUATION, SEE C-9.5

MATCH LINE
FOR CONTINUATION, SEE C-9.3

JONESVILLE RD

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

FLOODZONE AE

0.2% ANNUAL CHANCE FLOOD HAZARD

BUFFER ZONE 2 (TYP.) 20.0'

BUFFER ZONE 1 (TYP.) 30.0'

BRIDGE

W1

W2

RM OS 04

RM OS 03

RM OS 02
AMENITY CENTER

NC OS 16

SCM #3
WETPOND

SCM #7
WET POND

STREET 'I'
67' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'I'
62' PUBLIC R/W

STREET 'K'
50' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

STREET 'G'
50' PUBLIC R/W

STREET 'F'
50' PUBLIC R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

STREAM E

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.00'
TYPE II PERIMETER BUFFER

AJ-090 AJ-093 AJ-094 AJ-095 AJ-098 AJ-099 AJ-100 AJ-101 AJ-104 AJ-107 AJ-109

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONG ROCK 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 SUBDIVISION PLAT
PRESERVATION PLAN IV

DRAWING SHEET

C-9.4

67 OF 76

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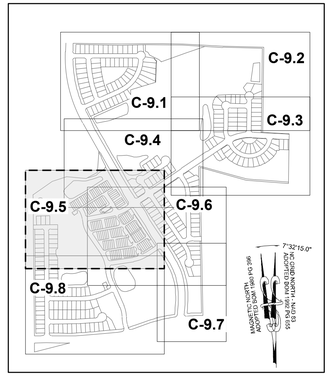
PROGRESS PLOT DATE: 03/02/2024



SITE KEY PLAN

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

MATCH LINE
FOR CONTINUATION, SEE C-9.4

MATCH LINE
FOR CONTINUATION, SEE C-9.6

MATCH LINE
FOR CONTINUATION, SEE C-9.8

SCM #7 WET POND
SCM #8 WET POND
EXISTING DRY POND

NC OS 01
NC OS 02
NC OS 06
NC OS 07
NC OS 08
NC OS 09
NC OS 10
NC OS 11
NC OS 12
NC OS 13
NC OS 14
NC OS 15
NC OS 16
NC OS 17

STREAM I
STREAM G
STREAM J
W3
W4
W6

30.00' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 555

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

MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

15.00' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

BUFFER ZONE 1 (TYP.) 30.0'

BUFFER ZONE 2 (TYP.) 20.0'

30.0' STREET YARD BUFFER

STREET 'A' 50' PUBLIC R/W
STREET 'D' 50' PUBLIC R/W
STREET 'E' 50' PUBLIC R/W
STREET 'F' 50' PUBLIC R/W
STREET 'G' 50' PUBLIC R/W
STREET 'H' 50' PUBLIC R/W
STREET 'I' 62' PUBLIC R/W
STREET 'J' 50' PUBLIC R/W
STREET 'L' 50' PUBLIC R/W
JONESVILLE RD 60' R/W
PUBLIC ALLEY '1' 20' PUBLIC R/W
PUBLIC ALLEY '2' 20' PUBLIC R/W
PUBLIC ALLEY '3' 20' PUBLIC R/W
PUBLIC ALLEY '4' 20' PUBLIC R/W
PRIVATE DRIVEWAY 20' PRIVATE R/W

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

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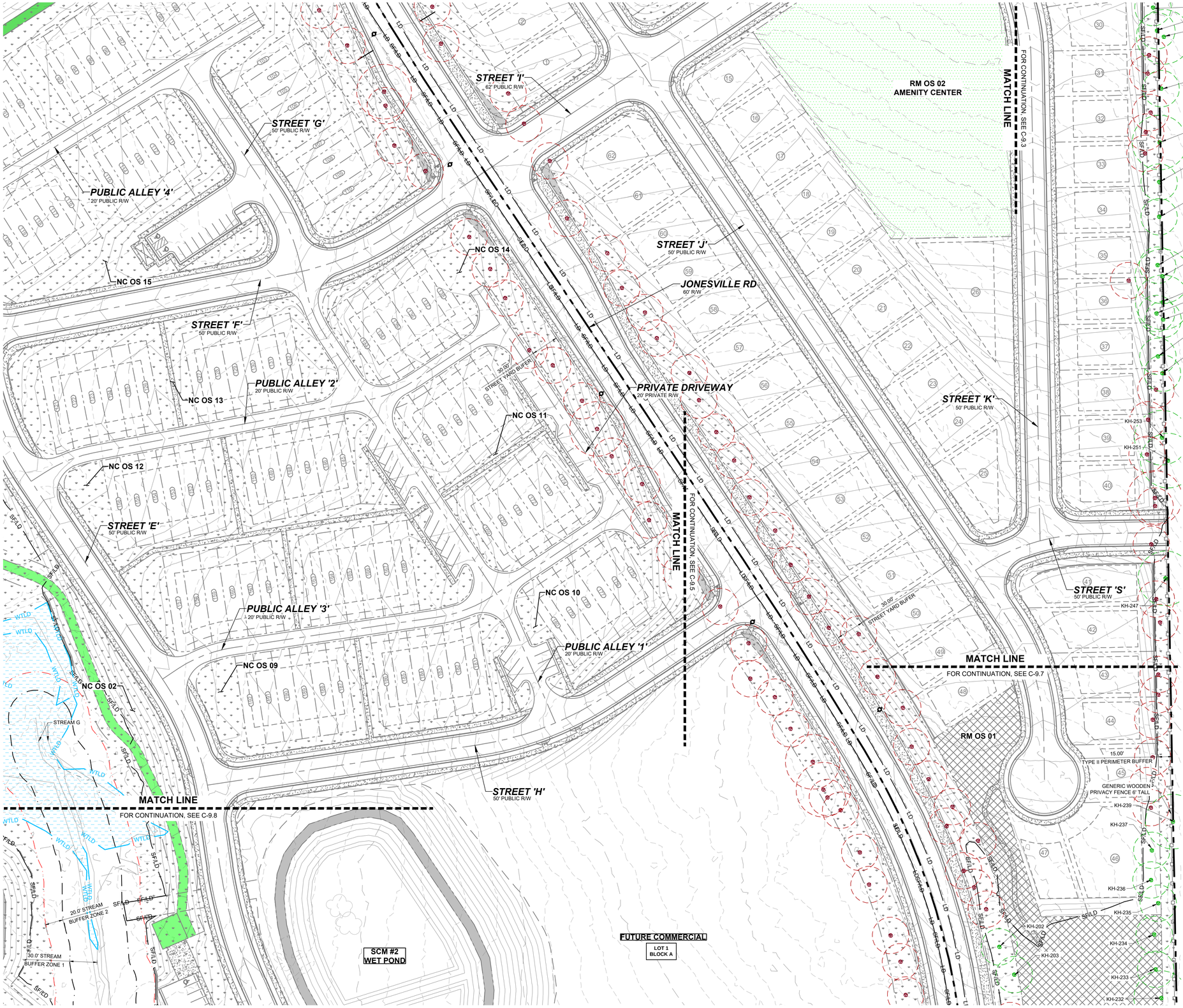
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN V

DRAWING SHEET
C-9.5

68 OF 76

PROGRESS PLOT DATE: 03/02/2024



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- CRZ FOR TREES WILL BE PRESERVED
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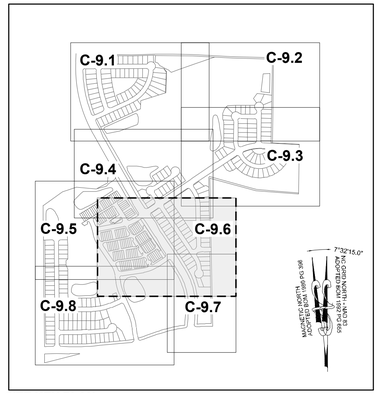

SITE KEY PLAN

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)
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SEAL

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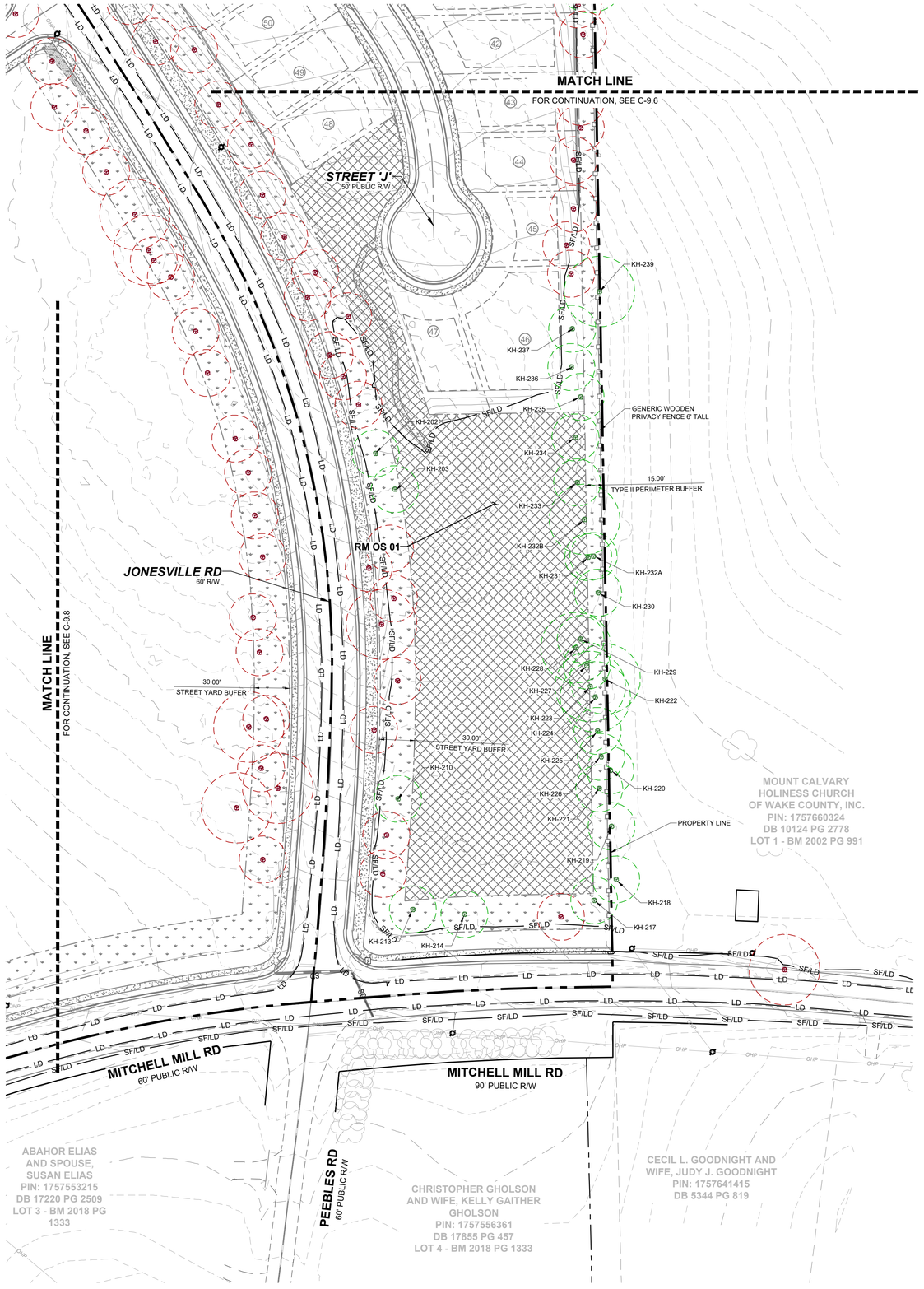
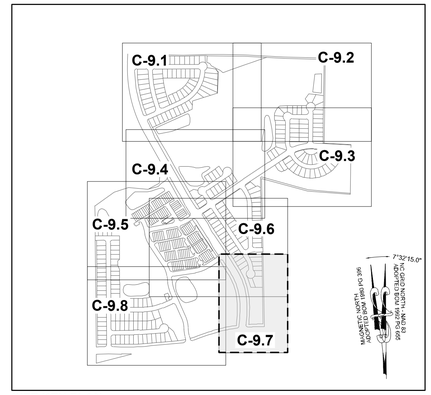
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN VI

DRAWING SHEET
C-9.6

69 OF 76

PROGRESS PLOT DATE: 03/02/2024





SITE KEY PLAN

LEGEND:

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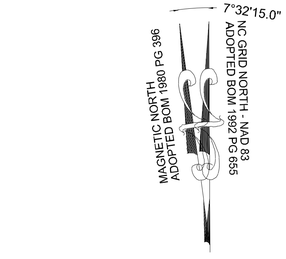
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE



GRAPHIC SCALE

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(IN FEET)
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SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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CHECKED BY	JWL

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN VII

DRAWING SHEET
C-9.7

PROGRESS PLOT DATE: 03/02/2024

MATCH LINE
FOR CONTINUATION, SEE C-9.5

NC OS 06

SCM #1
WETPOND

SCM #2
WET POND

NC OS 02

NC OS 05

NC OS 03

NC OS 04

STREET 'A'
50' PUBLIC R/W

STREET 'B'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

STREET 'E'
50' PUBLIC R/W

STREET 'H'
50' PUBLIC R/W

MITCHELL MILL RD
60' PUBLIC R/W

KH-110

KH-100

GENERIC WOODEN
PRIVACY FENCE 6' TALL

15.00'
TYPE II PERIMETER BUFFER

TRAIL HEAD

STREAM G

20.00'
BUFFER ZONE 2 (TYP.)

30.0'
BUFFER ZONE 1 (TYP.)

STREET YARD BUFFER
30.00'

FUTURE COMMERCIAL
LOT 1
BLOCK A

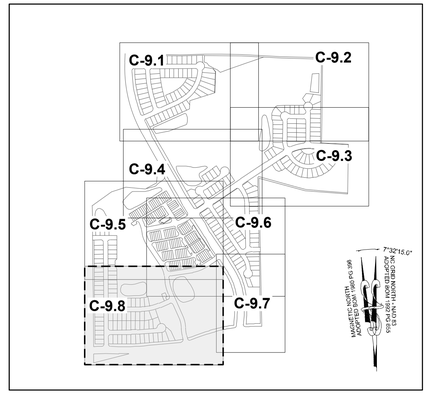
HEATHER MARIE
PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990
PG 956

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	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 SUBDIVISION PLAT
PRESERVATION PLAN VIII

DRAWING SHEET

C-9.8

71 OF 76

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

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
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
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	5"	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

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
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-092	LIST	4"	GOOD
AJ-093	LIST	9"	GOOD
AJ-094	FRPE	22"	GOOD
AJ-095	LIST	21"	GOOD
AJ-101	QUST	29"	POOR
AJ-104	QURU	19"	GOOD
AJ-107	QURU	28"	GOOD
AJ-109	QUST	18"	GOOD
AJ-110	PRSE	6"	GOOD
AJ-111	LIST	14"	GOOD
AJ-112	PITA	21"	GOOD
AJ-114	PITA	28"	GOOD

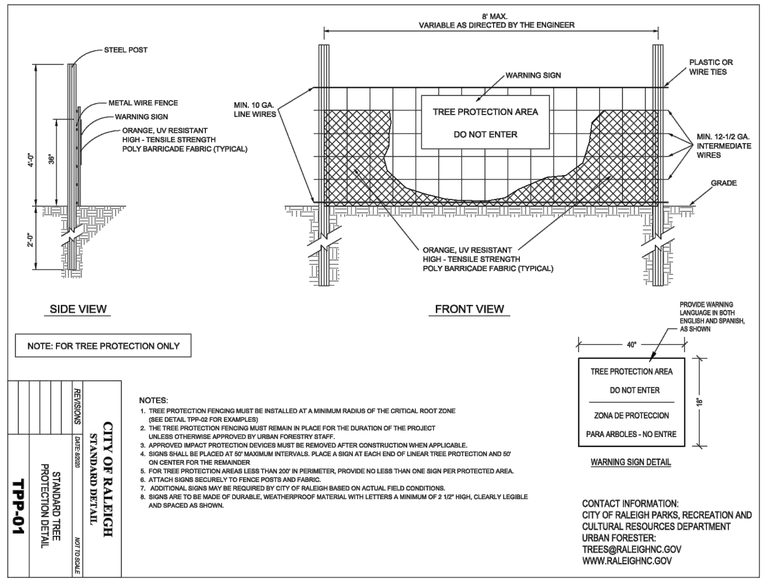
TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-298	QUNI	3"	GOOD
KH-299	QUNI	5"	FAIR
KH-300	NYSY	5"	GOOD
KH-301	ILOP	5"	GOOD
KH-302	PITA	14"	GOOD
KH-303	NYSY	4"	GOOD
KH-304	ILOP	6"	GOOD
KH-305	QUNI	19"	GOOD
KH-306	QUFA	19"	GOOD
KH-307	QURU	19"	GOOD
N/A	OAK	4"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-170	QURM	23"	GOOD
KH-171	PITA	21"	GOOD
KH-172	PITA	24"	GOOD
KH-173	LIST	9/8"	FAIR
KH-204	QUNI	8"	GOOD
KH-210	PITA	13"	GOOD
KH-213	PITA	16"	GOOD
KH-214	PITA	10"	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	25"	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-232A	QURU	18"	GOOD
KH-232B	QURU	20/11"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-233	QURU	10"	GOOD
KH-234	QURU	10/7/7/7/7/7"	FAIR
KH-235	QURU	8"	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-251	LITU	31/12"	GOOD
KH-253	QURU	23"	GOOD
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
KH-270	PITA	15"	GOOD
KH-271	QURU	8"	GOOD
KH-297	QUNI	5"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
AJ-115	CACA	5"	GOOD
AJ-116	QUST	20"	GOOD
AJ-117A	CACA	6"	GOOD
AJ-117B	CACA	7"	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
KH-002	PITA	30"	GOOD
KH-003	ACRU	31"	GOOD
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

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-015	QUPA	15"	GOOD
KH-016	CATO	10"	GOOD
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-046	QUNI	6"	GOOD
KH-049	QUNI	5"	GOOD
KH-050	QUNI	5"	GOOD
KH-051	QURU	6"	GOOD
KH-151	ULRU	9"	GOOD
KH-154	MORU	10"	FAIR
KH-155	ULRU	13"	GOOD
KH-164	QURU	23"	GOOD
KH-167	QUAL	21"	GOOD
KH-169	QUAL	22"	GOOD



CITY OF RALEIGH
STANDARD DETAIL
STANDARD TREE PROTECTION DETAIL
TPP-01
REVISIONS
DATE: 08/08
NOT TO SCALE

NOTES:
1. TREE PROTECTION FENCING MUST BE INSTALLED AT A MINIMUM RADIUS OF THE CRITICAL ROOT ZONE (SEE DETAIL TPP-02 FOR EXAMPLES)
2. THE TREE PROTECTION FENCING MUST REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE APPROVED BY URBAN FORESTRY STAFF.
3. APPROVED IMPACT PROTECTION DEVICES MUST BE REMOVED AFTER CONSTRUCTION WHEN APPLICABLE.
4. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER FOR THE REMAINDER
5. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTED AREA.
6. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
7. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF RALEIGH BASED ON ACTUAL FIELD CONDITIONS.
8. SIGNS ARE TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL WITH LETTERS A MINIMUM OF 2 1/2" HIGH, CLEARLY LEGIBLE AND SPACED AS SHOWN.

CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT
URBAN FORESTER:
TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	09/01/2023	SREG
02	TOWN OF ROLESVILLE COMMENTS PSP-23-03	12/05/2023	SREG
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SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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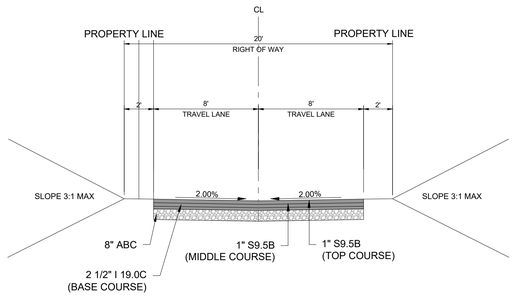
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

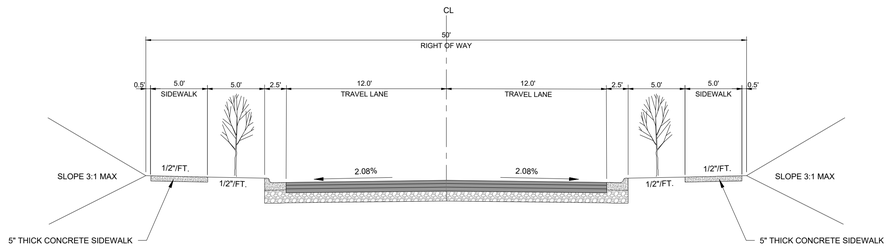
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN TABLES

DRAWING SHEET
C-9.9

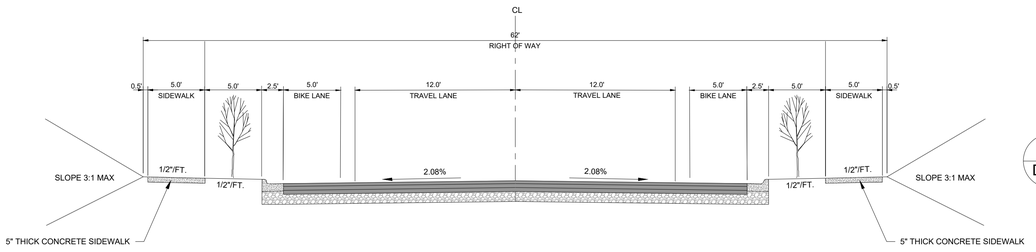
THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.



1 / D-1.0 **ALLEY CROSS SECTION - 20' ROW**
SCALE: NTS



2 / D-1.0 **TYPICAL CROSS SECTION - 50' ROW**
SCALE: NTS



2 / D-1.0 **TYPICAL CROSS SECTION - 62' ROW**
SCALE: NTS

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01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
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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 SUBDIVISION PLAT

SITE DETAILS

DRAWING SHEET
D-1.0

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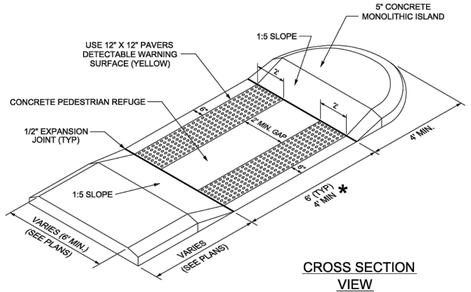
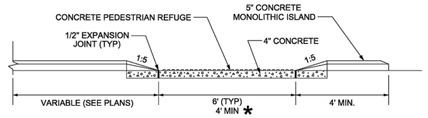
ISOMETRIC VIEW



CROSS SECTION VIEW

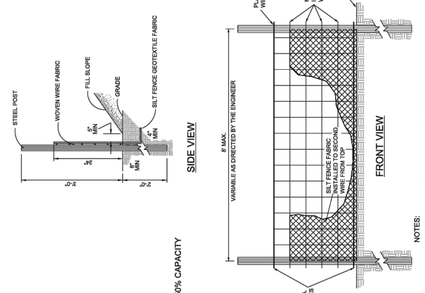


* 10'-0" MIN AT SHARED PEDESTRIAN AND BICYCLE CROSSINGS (TYP)



PROFILE VIEW

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	PEDESTRIAN REFUGE	
	T-20.03	

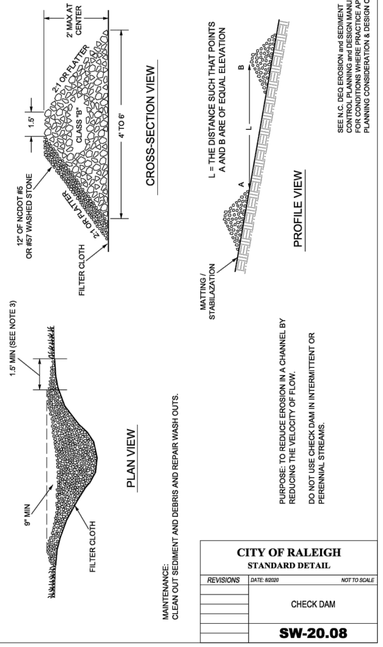


NOTES:
1. FLOW SHALL NOT RUN PARALLEL WITH THE FENCE.
2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
3. SEE SECTION 1639 OF STANDARD SPECIFICATIONS FOR CONSTRUCTION, WHERE PRACTICABLE APPLIES AND PLANNING CONSIDERATION.
4. SILT FENCE SHOULD NOT BE USED ALONE BELOW GRADED SLOPES GREATER THAN 10' IN HEIGHT.

MAINTENANCE: CLEAN OUT AT 50% CAPACITY
LIFE OF FENCING: 6-9 MONTHS

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	STANDARD TEMPORARY (SEDIMENT/SILT) FENCE	
	SW-20.01	

NOTES:
1. ENSURE THAT CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO EXCESSIVE EROSION OR SCOUR DUE TO HIGH VELOCITY.
2. THE DRAINAGE AREA IS LIMITED TO ONE HALF ACRE.
3. KEY THE STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 1.5 FEET TO AVOID WASHOUT FROM OVERFLOW AROUND THE DAM.



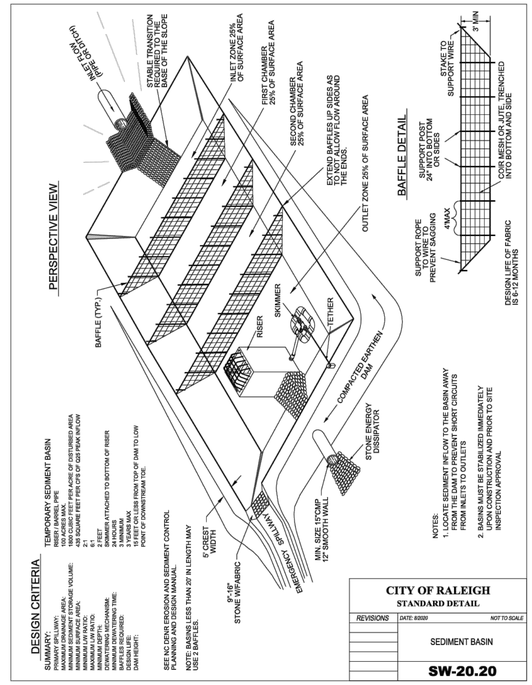
MAINTENANCE:
CLEAN OUT SEDIMENT AND DEBRIS AND REPAIR WASH OUTS.

PURPOSE: TO REDUCE EROSION IN A CHANNEL BY REDUCING THE VELOCITY OF FLOW.

DO NOT USE CHECK DAM IN INTERMITTENT OR PERENNIAL STREAMS.

SEE N.C. DEQ EROSION and SEDIMENT CONTROL PLANNING and DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	CHECK DAM	
	SW-20.08	



DESIGN CRITERIA

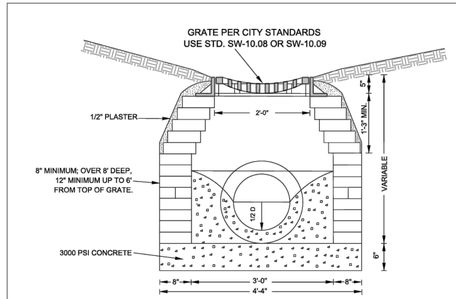
SUMMARY:
TEMPORARY SEDIMENT BASIN
RISER / BARREL PIPE
DRAINAGE AREA
MINIMUM SURFACE AREA:
MINIMUM LW RATIO:
MINIMUM # OF BAFFLES:
MINIMUM DEPTH:
MINIMUM FREEBOARD:
MINIMUM DEWATERING TIME:
MAX SIDE SLOPES:
DESIGN LIFE:
DAM HEIGHT:

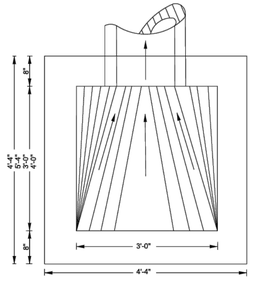
SEE NC DEQ EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

NOTE: BASINS LESS THAN 20' IN LENGTH MAY USE 2 BAFFLES.

NOTES:
1. USE TO DIVERT SEDIMENT INFLOW TO THE BASIN AWAY FROM THE DAM TO PREVENT SHORT CIRCUITS FROM INLETS TO OUTLETS
2. BASINS MUST BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION AND PRIOR TO SITE INSPECTION APPROVAL

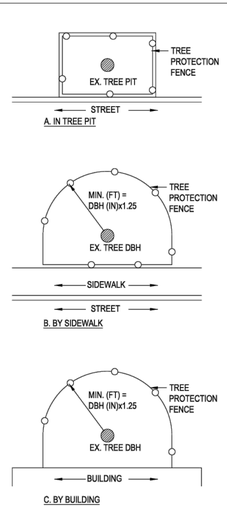
CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	SEDIMENT BASIN	
	SW-20.20	





NOTES:
1. FOR 24" RCP & LARGER USE PIPE DIAMETER PLUS 12" FOR MINIMUM INSIDE DIMENSION.
2. 24" X 24" CASTING WITH 12", 15" & 18" PIPE, 24" X 36" CASTING USED WITH 24" PIPE OR LARGER. IF PLACED WITHIN PUBLIC R/W CASTING MUST BE TRAFFIC BEARING TYPE PER NCDOT STANDARDS.
3. USE 4" X 4" X 8" OR 4" X 8" X 16" SOLID CONCRETE BLOCK. CAST IN PLACE OR PRECAST CONCRETE TO MEET N.C.D.O.T. STANDARDS ACCEPTABLE.
4. STEPS SHALL BE INSTALLED IN ALL DROP INLETS OVER 3' IN DEPTH. DEPTH SHALL BE MEASURED FROM THE TOP OF GRATE TO THE INVERT OF THE DROP INLET.

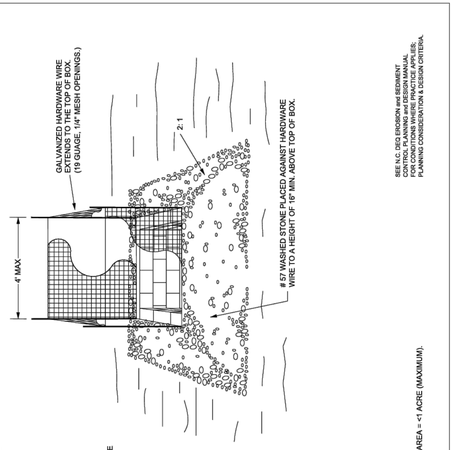
CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	STANDARD DROP INLET	
	SW-10.03	



NOTES:
1. CONTRACTOR MUST PROVIDE AND INSTALL TREE PROTECTION SIGNAGE.
2. A TREE IMPACT PERMIT IS REQUIRED PRIOR TO INITIATION OF CONSTRUCTION IF ANY TREES ON CITY PROPERTY ARE TO BE IMPACTED BY PRUNING, TRENCHING, BORING, REMOVAL, PAVING, PLANTING, ETC.

CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT
URBAN FORESTER: TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

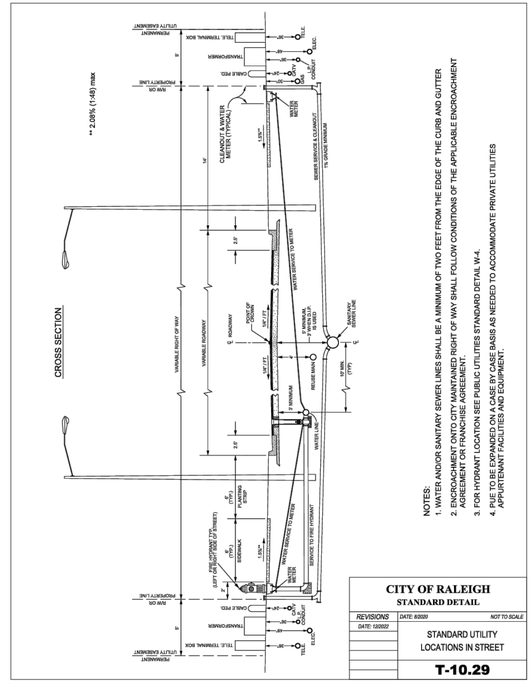
CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	TREE PROTECTION FENCE LAYOUT	
	TPP-02	



SEE N.C. DEQ EROSION and SEDIMENT CONTROL PLANNING and DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

DRAINAGE AREA = <1 ACRE (MAXIMUM).

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
	STANDARD CATCH BASIN YARD INLET PROTECTION	
	SW-20.15	



CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 8/2020	NOT TO SCALE
DATE: 12/2022	STANDARD UTILITY LOCATIONS IN STREET	
	T-10.29	

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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

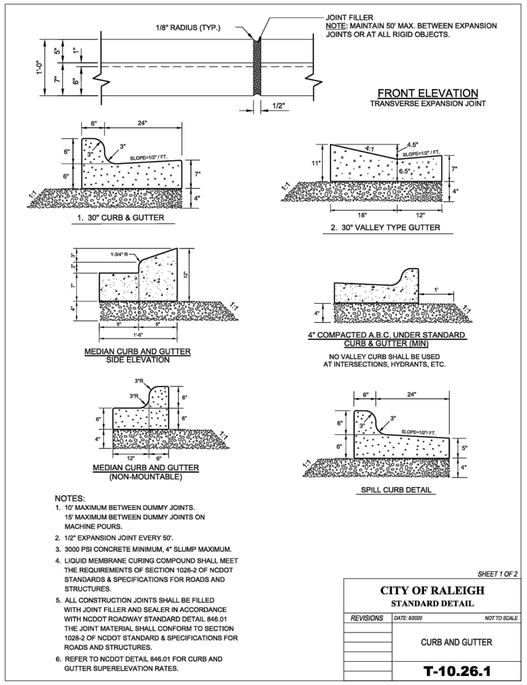
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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 SUBDIVISION PLAT

SITE DETAILS

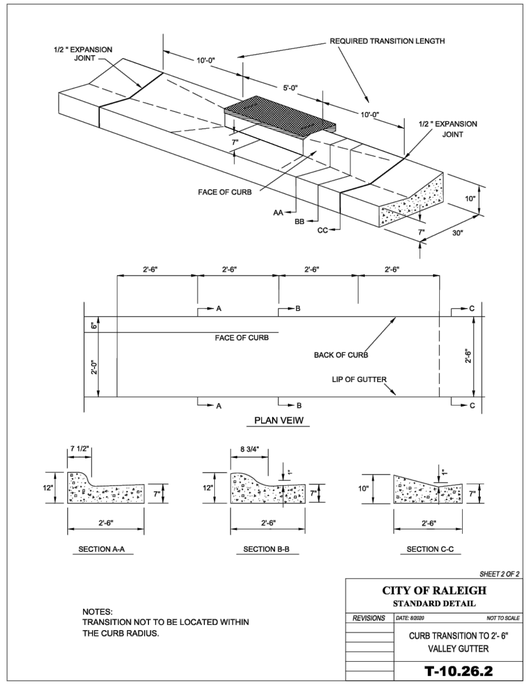
DRAWING SHEET
D-1.1



SHEET 1 OF 2

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	CURB AND GUTTER	
	T-10.26.1	

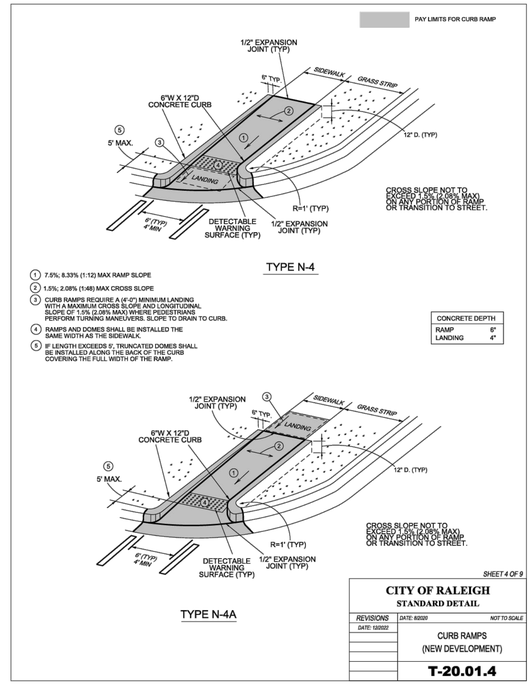


NOTES:
TRANSITION NOT TO BE LOCATED WITHIN THE CURB RADIUS.

SHEET 2 OF 2

CITY OF RALEIGH
STANDARD DETAIL

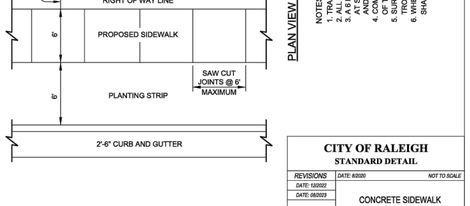
REVISIONS	DATE: 6/2020	NOT TO SCALE
	CURB TRANSITION TO 2'- 6" VALLEY GUTTER	
	T-10.26.2	



TYPE N-4

1. 7.5%; 8.33% (1:12) MAX RAMP SLOPE
2. 1.5%; 2.08% (1:48) MAX CROSS SLOPE
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 1.5% (2.08% MAX) WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.
4. RAMPS AND DOMES SHALL BE INSTALLED THE SAME WIDTH AS THE SIDEWALK.
5. IF LENGTH EXCEEDS 5', TRUNCATED DOMES SHALL BE INSTALLED ALONG THE BACK OF THE CURB COVERING THE FULL WIDTH OF THE RAMP.

CONCRETE DEPTH	
RAMP	6"
LANDING	4"

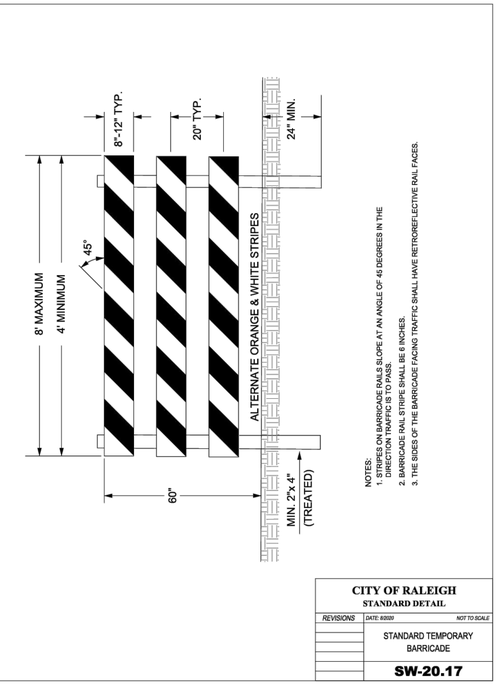


TYPE N-4A

SHEET 4 OF 9

CITY OF RALEIGH
STANDARD DETAIL

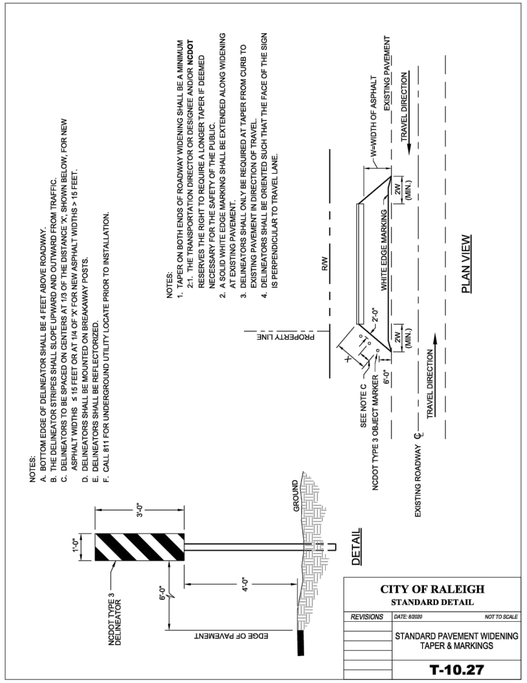
REVISIONS	DATE: 6/2020	NOT TO SCALE
DATE: 10/2022	CURB RAMPS (NEW DEVELOPMENT)	
	T-20.01.4	



NOTES:
1. STRIPES ON BARRICADE RAILS SLOPE AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
2. BARRICADE RAIL STRIPE SHALL BE 8 INCHES.
3. THE SIDES OF THE BARRICADE FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.

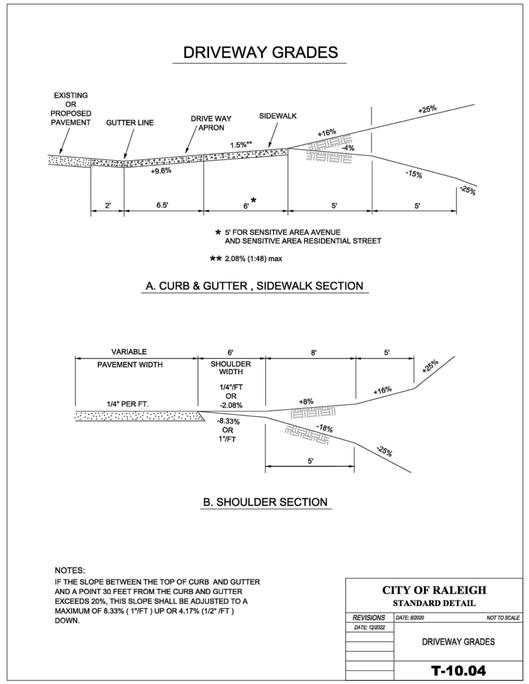
CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	STANDARD TEMPORARY BARRICADE	
	SW-20.17	



CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	STANDARD PAVEMENT WIDENING TAPER & MARKINGS	
	T-10.27	



NOTES:
IF THE SLOPE BETWEEN THE TOP OF CURB AND GUTTER AND A POINT 30 FEET FROM THE CURB AND GUTTER EXCEEDS 20%, THIS SLOPE SHALL BE ADJUSTED TO A MAXIMUM OF 8.33% (1"/FT) UP OR 4.17% (1/2" /FT) DOWN.

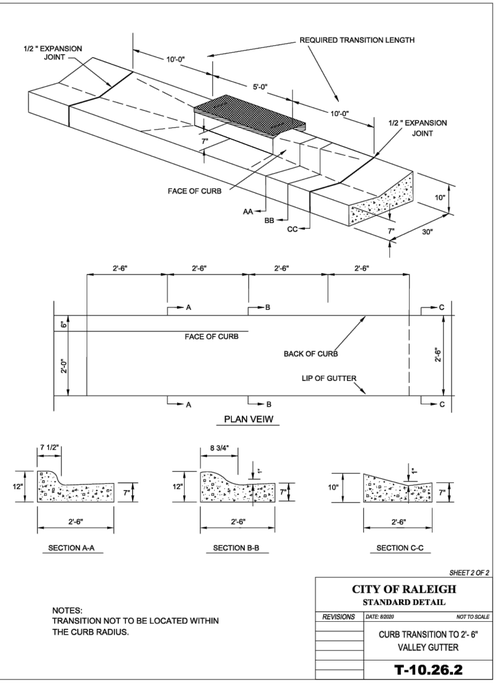
CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
DATE: 12/2022	DRIVEWAY GRADES	
	T-10.04	

NOTES:
1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 45 FEET.
2. ALL CONCRETE TO BE 3000 PSI AND FINISHED WITH CURING COMPOUND.
3. A 6 INCH DEPTH IS REQUIRED AT LOCATIONS OF DRIVEWAY CROSSINGS, AT ALL CURB RAMPS, AND ALONG THE LENGTH OF RADIUS CURB RETURNS), AND IN THE HANDICAP RAMPS.
4. COMPACTED ABC STONE MAY BE REQUIRED AS SUBGRADE AT THE DISCRETION OF THE INSPECTOR.
5. SURFACE SHALL BE FINISHED TO GRADE AND CROSS SECTION WITH A FLOAT, TROWEL SMOOTH AND FINISH WITH A BROOM.
6. WHERE CUTTING OF SIDEWALK IS REQUIRED IN THE SIDEWALK THEY SHALL HAVE A MINIMUM 3' WIDE FRAME OF CONCRETE AROUND THEM.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
DATE: 12/2022	CONCRETE SIDEWALK	
DATE: 08/2023		
	T-30.01.1	



NOTES:
TRANSITION NOT TO BE LOCATED WITHIN THE CURB RADIUS.

SHEET 2 OF 2

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	CURB TRANSITION TO 2'- 6" VALLEY GUTTER	
	T-10.26.2	

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
03	TOWN OF ROLESVILLE COMMENTS PSP-23-03	03/01/2024	SREG

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

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

SITE DETAILS

DRAWING SHEET
D-1.2

75 OF 76

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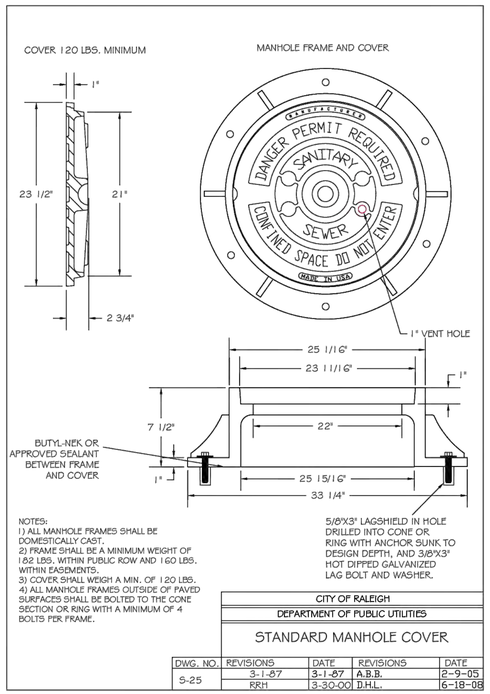
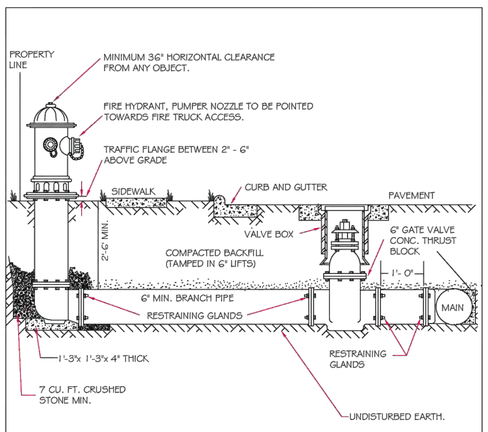


NOTES:
1) ALL MANHOLE FRAMES SHALL BE DOMESTICALLY CAST.
2) FRAME SHALL BE A MINIMUM WEIGHT OF 182 LBS. WITHIN PUBLIC ROW AND 160 LBS. WITHIN EASEMENTS.
3) COVER SHALL WEIGH A MIN. OF 120 LBS.
4) ALL MANHOLE FRAMES OUTSIDE OF PAVED SURFACES SHALL BE BOLTED TO THE CONE SECTION OR RING WITH A MINIMUM OF 4 BOLTS PER FRAME.

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES
STANDARD MANHOLE COVER

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
S-25	3-1-87	3-1-87	A.B.B.	2-9-05
	RRH	3-30-00	D.H.L.	6-18-08

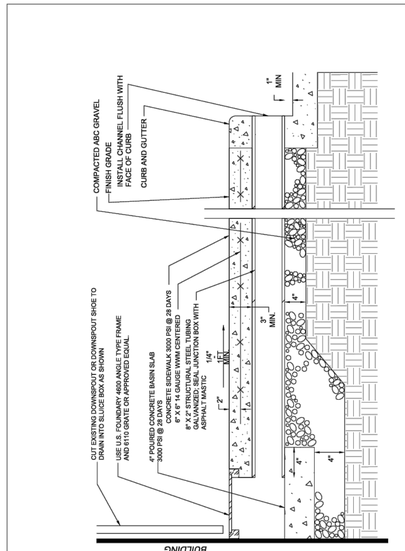


NOTES:
1. FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, M&H, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE.
2. BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-96
3. 6" GATE VALVE SHALL BE AWWA C500-96 OPEN LEFT
4. STEEL RODS AND BOLTS SHALL BE ¾" HOT DIPPED GALVANIZED
5. FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION
   RODS SHALL NOT BE COUPLED MORE THAN ONCE. IF THE LENGTH FROM THE VALVE TO THE HYDRANT EXCEEDS 20' THEN A MECHANICAL RESTRAINING GLAND WITH A REBAR CAGE SHALL BE INSTALLED NO MORE THAN 10' FROM HYDRANT AND POURED IN CONCRETE.
   FIRE HYDRANTS TO BE LOCATED IN ROW OR 2 FOOT EASEMENT ADJACENT TO ROW

ANYTIME SITE WORK, CONSTRUCTION, ROAD WORK, OR ANY OTHER WORK CHANGES THE GRADE OF THE FIRE HYDRANT, THE PERSON RESPONSIBLE FOR THE WORK IS RESPONSIBLE FOR ADJUSTING THE FIRE HYDRANT TO STAY WITHIN COMPLIANCE.

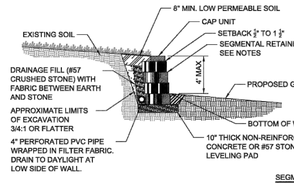
CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES
STANDARD FIRE HYDRANT INSTALLATION DETAIL

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
W-4	ABB	4-6-04	PAP	2/17/09
	DHL	2/11/08		



CITY OF RALEIGH
STANDARD DETAIL

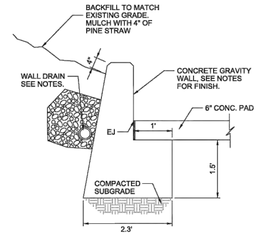
REVISIONS	DATE: 8/2020	NOT TO SCALE
	CURB DRAIN DETAIL	
	SW-10.12	



SEGMENTAL GRAVITY RETAINING WALL

SEGMENTAL GRAVITY RETAINING WALL NOTES:

1. STANDARD UNIT WILL MEET NCDOT APPROVED VENDORS LIST. DIMENSIONS OF CONCRETE BLOCKS ARE TYPICALLY 18" WIDE BY 18" DEEP BY 8" TALL WITH PIN OR SIMILAR LOCKING MECHANISME. BACK FILL VOIDS IN BLOCKS WITH #57 STONE TO TOP.
2. DO NOT MIX UNITS FROM DIFFERENT VENDORS ON SAME WALL.
3. TOP CAP UNIT WILL BE GLUED TO BLOCKS WITH ADHESIVE MEETING MANUFACTURERS RECOMMENDATIONS.
4. DO NOT USE SEGMENTAL GRAVITY WALLS WHEN SURCHARGE LOADS WILL BE WITHIN 5'-6" OF THE BACK OF THE CAP UNIT.
5. DO NOT ATTACH FENCE OR HANDRAIL TO WALL.
6. WALL SIMILAR TO NCDOT STANDARD DRAWING 453.02.



REINFORCED CONCRETE GRAVITY RETAINING WALL

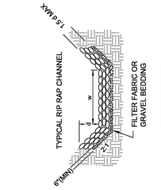
REINFORCED CONCRETE GRAVITY RETAINING WALL NOTES:

1. USE CLASS A CONCRETE AND PROVIDE CLASS I SURFACE FINISH ON ALL EXPOSED SURFACES.
2. PROVIDE GROVED CONTRACTION JOINTS EVERY 10'-0".
3. PROVIDE 4" PERFORATED PVC DRAIN PIPE THE LENGTH OF THE WALL. WRAP PIPE WITH FILTER FABRIC AND PROVIDE 1' WIDE BY 1' DEEP WASHED STONE AROUND PIPE. TIE TO STORM DRAIN OR DAYLIGHT AT ENDS AND PROVIDE SOCK AROUND END OF PIPE.
4. DO NOT BACKFILL WALL UNTIL CONCRETE DEVELOPS A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. COMPACT BACKFILL AND COMPACT WITH HAND OPERATED EQUIPMENT.
5. TAPER ENDS OF WALL TO 6" ABOVE GRADE IN 3' MINIMUM. END OF WALL SHALL HAVE 6" HORIZONTAL CLEARANCE FROM THE EDGE OF SIDEWALK.
6. WALL SIMILAR TO NCDOT STANDARD DRAWING 453.01.

GENERAL NOTES:
1. COORDINATE WITH CITY OF RALEIGH ON WHICH WALL TYPE TO USE.
2. ALL RETAINING WALLS SHALL BE DESIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.

CITY OF RALEIGH
STANDARD DETAIL

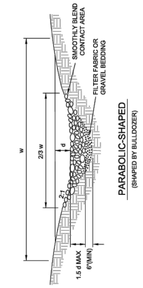
REVISIONS	DATE: 8/2020	NOT TO SCALE
	RETAINING WALL	
	TT-09	



NOTES:
1. TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT VEGETATIVE LININGS.
2. DIMENSIONS FOR d & w AND SIZE OF STONE MUST BE DETERMINED BY APPROPRIATE EROSION CHITERIA.

TABLE

d MAX	STONE CLASSIFICATION	RIP RAP DEPTH
6"	A	12"
12"	B	20"
18"	CLASS 1	27"
24"	CLASS 2	36"



CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
	RIP RAP LINED CHANNELS	
	SW-20.12	

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D-1.3

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