RESERVE @ MITCHELL MILL

PRELIMINARY SUBDIVISION PLAT V6-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:	6,041,336 SF (138.69 AC)
NC-CZ ZONE ACREAGE	54.08 AC
RESIDENTIAL ZONE RM-CZ:	84.61 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'

BUILDING SETBACKS (MIN) NC-CZ

FRONT:	15'
SIDE:	10'
REAR:	10'

TOWNHOME SETBACKS NC-CZ

FRONT 20':	20'
SIDE (STREET FRONTAGE):	10'
REAR:	20'
BUILDING SEPARATION:	30'
PARKING REQUIREMENT:	2.25 CARS PER UNIT
SHOWN UNITS:	118
REQUIRED PARKING:	248
OFF-STREET PARKING:	265

RIGHT OF WAY & OTHER AREAS:
NATURAL WETLANDS: 1,215,431 SF (27.90 AC)

OVERALL & PERIMETER STANDARDS:
SITE PERIMETER BUFFER TYPE 2
THOROUGHFARE BUFFER (JONESVILLE & MITCHELL MILL)

LOT ACREAGE:
NC ZONING DISTRICT

	DSF:	TOWNHOME:
TOTAL NUMBER PROPOSED LOTS:	83 LOTS	118 LOTS
MINIMUM PROPOSED LOT SIZE:	5,000 SF	2,000 SF
MAXIMUM PROPOSED LOT SIZE:	8,545 SF	2,131 SF
MINIMUM LOT WIDTH:	50'	
MINIMUM LOT LENGTH:	100'	
PROPOSED DENSITY:	4.41 UNITS/AC	
MINIMUM COMMERCIAL AREA:	50,000 SF	

RM ZONE

	DSF:
TOTAL NUMBER PROPOSED LOTS:	189 LOTS
MINIMUM PROPOSED LOT SIZE:	5,000 SF
MAXIMUM PROPOSED LOT SIZE:	13,548 SF
MINIMUM LOT WIDTH:	50'
PROPOSED DENSITY:	2.23 UNITS/AC

OPEN SPACE BREAKDOWN:
SEE OPEN SPACE CHART PAGES C-6
GREENWAY: 5,311 LF

IMPERVIOUS AREAS:
NC ZONING DISTRICT

BUA:	413,891 SF (9.50 AC)
ROADWAYS & SIDEWALKS:	404,587 SF (9.29 AC)
PONDS:	134,640 SF (3.09 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	953,118 SF (21.88 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	40.46%

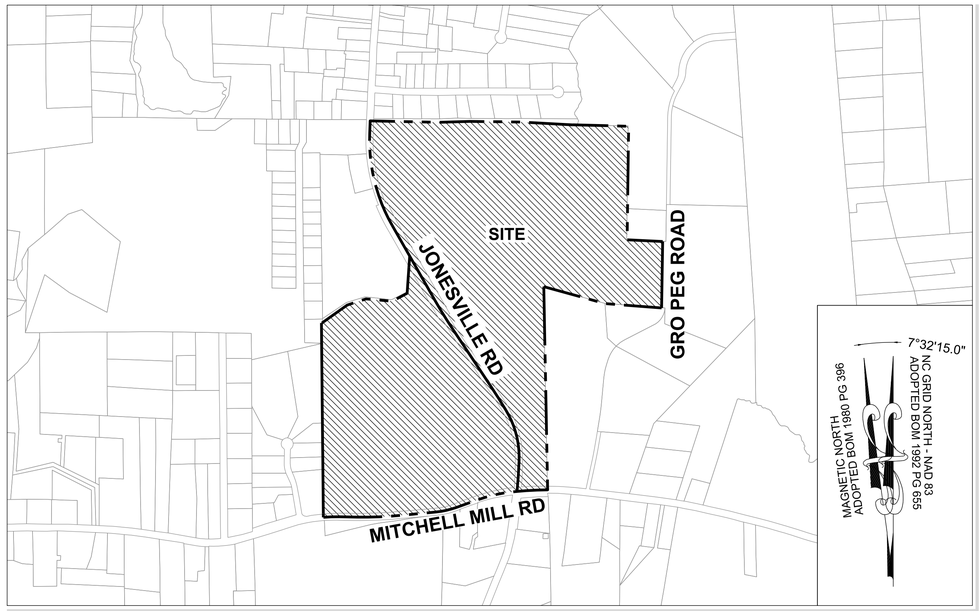
RM-CZ ZONE

BUA:	625,597 SF (14.36AC)
ROADWAYS & SIDEWALKS:	476,043 SF (10.93 AC)
PONDS:	145,831 SF (3.35 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	1,247,471 SF (28.64 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	33.85%

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

CONDITIONS OF APPROVAL:

A WATER MODEL WILL BE REQUIRED TO BE COMPLETED BY THE PROJECT ENGINEER TO DEMONSTRATE THAT THE PROPOSED WATERLINE EXTENSION WILL PROVIDE ADEQUATE FIRE FLOW AND PRESSURE FOR THE PROPOSED DEVELOPMENT.



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

SHEET INDEX		
01	C-1.0	COVER SHEET
02	C-1.1	ZONING CONDITION
03	C-2.0	EXISTING CONDITIONS PLAN
04	C-2.1	OVERALL TREE INVENTORY MAP
05 - 11	C-2.2 - C-2.8	PARTIAL TREE INVENTORY MAP I - VII
12	C-2.9	TREE INVENTORY TABLE
13	C-2.10	TREE PROTECTION PLAN
14	C-3.0	DEMOLITION PLAN
15	C-4.0	PHASING PLAN
16	C-4.1	BLOCK AND LOT PLAN
17	C-5.0	OVERALL SITE PLAN
18 - 26	C-5.1 - C-5.9	PARTIAL SITE PLAN I - IX
27	C-5.10	LOT SIZE TABLES
28	C-5.11	SITE TABLES - NC ZONE
29	C-5.12	SITE TABLES - RM ZONE
30	C-6.0	OVERALL OPEN SPACE NC-CZ
31	C-6.1	PASSIVE & ACTIVE OPEN SPACE NC-CZ ZONE
32	C-6.2	OVERALL OPEN SPACE RM-CZ
33	C-6.3	OPEN SPACE RM-CZ
34	C-7.0	OVERALL UTILITY PLAN
35 - 43	C-7.1 - C-7.9	PARTIAL UTILITY PLAN I - IX
44	C-7.10	SEWER TABLES
45	C-7.11	OFF-SITE UTILITY PLAN
46	C-8.0	OVERALL GRADING AND DRAINAGE PLAN
47 - 55	C-8.1 - C-8.9	PARTIAL GRADING AND DRAINAGE PLAN I - IX
56	C-8.10	STORM DRAINAGE TABLES
57	C-8.11	STORM DRAINAGE TABLES
58	C-9.0	OVERALL LANDSCAPE PLAN
59 - 67	C-9.1 - C-9.9	PARTIAL LANDSCAPE PLAN I - IX
68	C-10.0	OVERALL PRESERVATION PLAN
69 - 76	C-10.1 - C-10.8	PRESERVATION PLAN I - VIII
77	C-10.9	PRESERVATION PLAN TABLES
78 - 80	D-1.0 - D-1.2	SITE DETAILS
81	D-2.0	STORM DRAINAGE DETAILS
82	D-3.0	SANITARY SEWER & WATER DETAILS

Rolesville
Genuine Community • Capital Connection • Est. 1837
Planning

PSP-23-03 / Preliminary Subdivision Plat /
Reserve at Mitchell Mill
APPROVED
Date: December 9, 2024

Meredith Gruber

Town of Rolesville Planning Department

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/07/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 82

EXHIBIT D

MIXED-USE NEIGHBORHOOD CENTER CONDITIONAL ZONING
DISTRICT (NC-CZ) AND RESIDENTIAL MEDIUM DENSITY CONDITIONAL ZONING DISTRICT (RM-CZ)
ZONING CONDITIONS

Conditions Applicable to the entire property:

1. The subject property shall be developed generally in accordance with the sketch plan attached hereto as Exhibit 1 and incorporated herein as if fully set out. The approximately 55± acre portion of the subject property located west of Jonesville Road and further described as Parcel 1 on the attached Exhibit 2 attached hereto shall be zoned NC-CZ and the approximately 86± acre portion of the property located east of Jonesville Road and further described as Parcel 2 on Exhibit 2 attached hereto shall be zoned RM-CZ. The improvements described herein may be developed in phase 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 Sixty Thousand Dollars and No Cents ($60,000.00) 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-pollinator-plants/ Where evergreen plantings or street trees are required by the Rolesville Land Development Ordinance as the same may be amended from time to time, pollinator plantings shall not be required. Nothing herein shall be construed to limit the plant materials permitted on individual residential lots. Compliance with this condition shall be demonstrated at construction infrastructure drawings for each phase.

6. Recreational Amenities:

The following recreational amenities shall be provided generally as shown on the attached Exhibit 1 as a part of the development of the subject property and dedicated to the Homeowner's Association except for those areas offered to and accepted by the Town of Rolesville:

   a. A swimming pool and cabana, including changing rooms and restrooms shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
   b. At least one fenced playground shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
   c. At least one fenced dog park shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
   d. Public greenway on a greenway easement dedicated to the Town of Rolesville with paved trails at least ten feet wide (10') shall be constructed generally as shown on the attached Exhibit 1;
   e. A greenway trail head with at least four (4) parking spaces shall be constructed generally as shown on Exhibit 1 and offered to the Town of Rolesville for use as a greenway trail head prior to the issuance of the 200th building permit for a dwelling unit. The Town of Rolesville may accept or reject the offer of dedication in its sole discretion prior to the issuance of the 250th building permit. If the Town of Rolesville accepts dedication of this trailhead, the area dedicated to the Town of Rolesville shall be credited to this project as active open space. If the Town of Rolesville does not accept or reject the dedication of this area in writing prior to issuance of the 250th building permit, it shall be dedicated to the homeowner's association.
   f. At least one (1) community garden shall be provided prior to issuance of the 336th building permit for a dwelling unit; and
   g. At least one (1) acre of undeveloped land in the area located at the northeast quadrant of the intersection of Jonesville Road and Mitchell Mill Road shall be offered to the Town of Rolesville generally as shown on the attached Exhibit 1 for recreational uses prior to the issuance of the 150th building permit for a dwelling unit. The Town of Rolesville may accept or reject the offer of dedication in its sole discretion prior to the issuance of the 200th building permit. If the Town of Rolesville accepts dedication of this property, the area dedicated to the Town of Rolesville shall be credited to this project as active open space. If the Town of Rolesville does not accept or reject the dedication of this area in writing prior to the issuance of the 200th building permit, it shall be dedicated to the homeowner's association.

7. Additional Driveway Access and Crosswalk to Commercial Area:

Prior to the issuance of the first building permit, the property owner shall apply to NCDOT to allow the installation of an additional driveway access and cross-walk across Jonesville Road from the property zoned RM-CZ to the commercial area located in the northwest quadrant of the intersection of Mitchell Mill and Jonesville Road, both as generally shown as "Potential Additional Driveway and Cross Walk Connection Per Condition #7 of Zoning Conditions" on Exhibit 1. The application to NCDOT shall include a plan for the driveway connection and crosswalk drawn by an engineer and an update to the existing traffic impact analysis prepared by a traffic engineer. If NCDOT approves such a crosswalk and/or driveway access, the property owner shall install them in accordance with the requirements of NCDOT.

8. Transportation Improvements:

To address transportation impacts reasonably expected to be generated by the development, the following road improvements shall be installed in accordance with future phasing plans approved by the Town:

   a. Jonesville Road:
      i. Widen Jonesville Road along the site frontage between Site Access 1 and Mitchell Mill to the roadways ultimate cross section per Rolesville Community Transportation Plan, 2 lanes with two-way left turn lanes.
   b. Mitchell Mill Road:
      i. Widen one-half section along the site frontage to this roadway's ultimate cross section per the Rolesville Community Transportation Plan, 4-lane median divided.
   c. Mitchell Mill Road and Jonesville Road/Peebles Road:
      i. Provide a southbound (Jonesville Road) left turn lane with at least 100 feet of storage and appropriate decel and taper; and
      ii. Construct an eastbound (Mitchell Mill Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.
   d. Jonesville Road and Site Access 1:
      i. Construct the westbound approach (Site Access 1) with one ingress lane and one egress lane;
      ii. Provide stop-control for westbound approach (Site Access 1); and
      iii. Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.
   e. Jonesville Road and Site Access 2:
      i. Construct the westbound approach (Site Access 2) with one ingress lane and one egress lane;
      ii. Provide stop-control for westbound approach (Site Access 2); and
      iii. Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.
   f. Jonesville Road and Site Access 3:
      i. Construct the eastbound and westbound approaches (Site Access 3) with one ingress lane and one egress lane;
      ii. Provide stop-control for eastbound and westbound approach (Site Access 3);
      iii. Construct northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper;
      iv. Construct northbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper;
      v. Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper; and
      vi. Construct a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.
   g. Jonesville Road and Site Access 4:
      i. Construct the eastbound approach (Site Access 4) with one ingress lane and one egress lane;
      ii. Provide stop-control for eastbound approach (Site Access 4);
      iii. Provide a northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper; and
      iv. Provide a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.
   h. Mitchell 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 401Bypass 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(1)(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 facade 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.

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

Signature: Print Name: Dana Bright Dana Bright 3-7-2024

Date:

Signature: Print Name: Randy Bright Randy Bright 3-7-2024

Date:

Signature: Print Name: Giny Wheeler Giny Wheeler 3-7-24

Date:

Signature: Print Name: Stephen Wheeler Stephen Wheeler 3/7/2024

Date:

Signature: Print Name: Leigh Fowler Leigh Fowler

Date: 3/7/2024

Signature: Print Name: James Robert Fowler, III James Robert Fowler, III

Date: 3-7-24

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/07/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

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

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

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

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

DRAWING SHEET
C-1.1

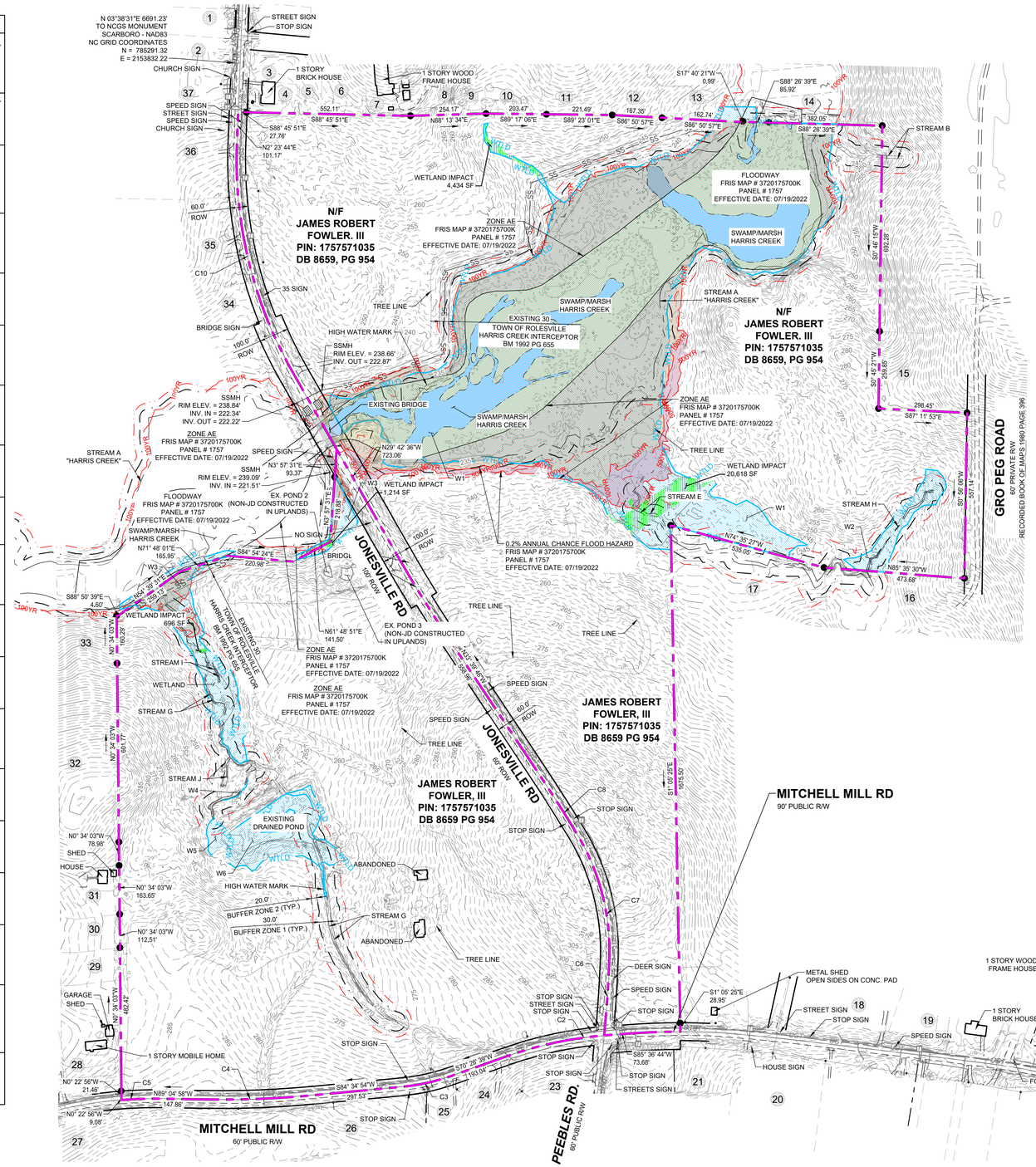
02 OF 82

ADJOINER INFORMATION

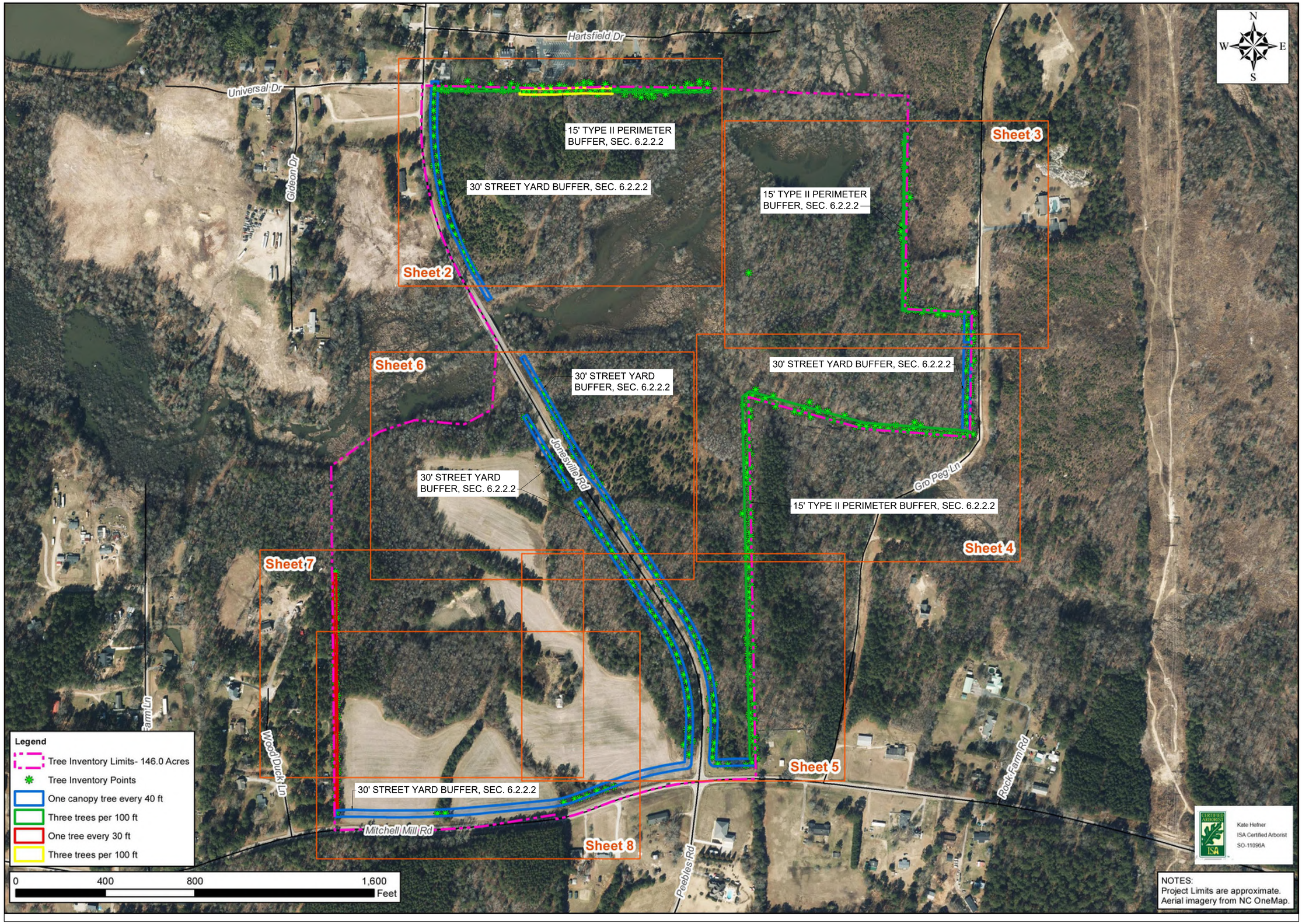
1	CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421 ZONING: R-30 (WC) USE: SF	20	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
2	ABRAHAM T.BURNHAM ANDKYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734 ZONING: R-30 (WC) USE: SF	21	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757641415 DB 5344 PG 819 ZONING: R-30 (WC) USE: VA
3	JOE L. GREEN PIN: 1757483799 DB 15-E PG 2691 ZONING: R-30 (WC) USE: SF	22	CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON PIN: 1757556361 DB 17855 PG 457 LOT 4 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
4	CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES PIN: 1757484609 DB 2305 PG 673 ZONING: R-30 (WC) USE: SF	23	ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS PIN: 1757553215 DB 17220 PG 2509 LOT 3 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
5	BENJAMIN FERRELL PIN: 1757485713 DB 1697 PG 465 ZONING: R-30 (WC) USE: SF	24	TODD KENDALL HONEYCUTT PIN: 1757551202 DB 13474 PG 1974 LOT 2 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
6	ALESHIA FERRELL & ARRON WALKER PIN: 1757486733 DB 6374 PG 89 BM 1996 PG 00524 ZONING: R-30 (WC) USE: SF	25	CURTIS L. HONEYCUTT AND WIFE TODD KENDALL PIN: 1757540996 DB 19269 PG 2474 LOT 1 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
7	CHRIST HOLINESS CHURCH #1 PIN: 1757487783 DB 2928 PG 328 ZONING: R-30 (WC) USE: CH	26	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868 ZONING: R-30 (WC) USE: FO
8	CHRIST HOLINESS CHURCH #1 PIN: 1757349473 DB 4321 PG 788 ZONING: R-30 (WC) USE: VA	27	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 ZONING: R-30 (WC) USE: FO
9	CHRIST HOLINESS CHURCH #1 PIN: 1757580764 DB 9467 PG 430 ZONING: R-30 (WC) USE: VA	28	PERR Y.ELWOOD RYAN PIN: 1757357582 DB 19282 PG 2780 ZONING: R-30 (WC) USE: MO
10	ALICIA BROWN & CARL T. JONES PIN: 1757582714 DB 16128 PG 183 ZONING: R-30 (WC) USE: SF	29	TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE PIN: 1757357764 DB 9236 PG 2229 LOT 3 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
11	RS RENTAL II LLC PIN: 1757584724 DB 18703 PG 2414 BM 1981 PG 894 ZONING: R-30 (WC) USE: SF	30	BERNARD MILLER PIN: 1757357865 DB 15416 PG 1651 LOT 4 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
12	KAREN E. BASS PIN: 1757586704 DB 12560 PG 1626 BM 1984 PG 943 ZONING: R-30 (WC) USE: SF	31	MARCIE L. HOLDEN PIN: 1757358908 DB 15599 PG 1003 LOT 5 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
13	JAMES K. WILLIAMS PIN: 1757588784 DB 16784 PG 1013 BM 1989 PG 01474 ZONING: R-30 (WC) USE: VA	32	MEGAN KULAWIAK PIN: 1757367367 DB 16226 PG 1133 LOT 6 BM 1990 PG 00387 ZONING: R-30 (WC) USE: VA
14	GRO PEG PROPERTIES LLC PIN: 1757684697 DB 18359 PG 1707 LOT 5 - BM 1980 PG 00396 ZONING: R-30 (WC) USE: VA	33	KENNETH INVESTMENT LLC. PIN: 1757368816 DB 19248 PG 1884 ZONING: R-30 (WC) USE: VA
15	SCOTT & THERESA CARLE PIN: 1757675786 DB 14863 PG 2493 LOT 4A- BM 1980 PG 00396 ZONING: R-30 (WC) USE: VA	34	KENNETH INVESTMENT LLC PIN: 1757471559 DB 19248 PG 1884 LOT - BM 2007 PG 01224 ZONING: R-30 (WC) USE: VA
16	GRO PEG PROPERTIES PIN: 1757664956 DB 19081 PG 2786 LOT 2A- BM 1982 PG 00581 ZONING: R-30 (WC) USE: VA	35	HENRY ALSTON PIN: 1757481376 DB 19248 PG 984 BM 1982 PG 721 ZONING: R-30 (WC) USE: SF
17	MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC PIN: 1757660324 DB 10124 PG 2778 LOT 1- BM 2002 PG 991 ZONING: R-30 (WC) USE: VA	36	UNIVERSAL CHURCH OF PRAYER PIN: 1757388408 DB 19559 PG 1723 LOT - BM 2002 PG 00667 ZONING: R-30 (WC) USE: CH
18	G.ARCHIE UNDERHILL, JR. AND WIFE, TERESSA C. UNDERHILL PIN: 1757653765 DB 8443 PG 2129 BM 1999 PG 1357 ZONING: R-30 (WC) USE: SF	37	ROZELIA J. HARTSFIELD HEIRS PIN: 1757481740 DB 10-E PG 1220 ZONING: R-30 (WC) USE: VA
19	GENADIUS MAC PREDDY AND WIFE, MATTIE F. PREDDY PIN: 1757656586 DB 1882 PG 342 ZONING: R-30 (WC) USE: SF		

LEGEND:

SF: SINGLE FAMILY
VA: VACANT
MO: MOBILE
AG: AGRICULTURE
CH: CHURCH


N/F
JAMES ROBERT FOWLER. III
PIN: 1757571035
DB 8659, PG 954
JONESVILLE RD
60' PUBLIC R/W
GRO PEG ROAD
60' PUBLIC R/W
RECORDED BOOK OF MAPS 1980 PAGE 396
MITCHELL MILL RD
60' PUBLIC R/W
PEEBLES RD.
60' PUBLIC R/W
JAMES ROBERT FOWLER, III
PIN: 1757571035
DB 8659 PG 954
MITCHELL MILL RD
90' PUBLIC R/W
FLOODWAY
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
ZONE AE
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
0.2% ANNUAL CHANCE FLOOD HAZARD
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
SWAMP/MARSH HARRIS CREEK
WETLAND IMPACT 4,434 SF
WETLAND IMPACT 20,618 SF
WETLAND IMPACT 1,214 SF
WETLAND IMPACT 696 SF
EXISTING BRIDGE
EXISTING 30' TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
EXISTING DRAINED POND
EX. POND 2 (NON-JD CONSTRUCTED IN UPLANDS)
EX. POND 3 (NON-JD CONSTRUCTED IN UPLANDS)
STREAM A "HARRIS CREEK"
STREAM B
STREAM E
STREAM G
STREAM H
STREAM I
STREAM J
1 STORY WOOD FRAME HOUSE
1 STORY BRICK HOUSE
1 STORY MOBILE HOME
SHED
GARAGE
HOUSE
HIGH WATER MARK
TREE LINE
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)
ABANDONED
METAL SHED OPEN SIDES ON CONC. PAD
HOUSE SIGN
FOR SIGN
STREETS SIGN
DEER SIGN
SPEED SIGN
STOP SIGN
STREET SIGN
BRIDGE SIGN
CHURCH SIGN
35 SIGN
NO SIGN
SSMH
EXISTING 100YR
EXISTING 500YR
EXISTING WTLD
EXISTING 40
EXISTING 55
EXISTING 260
EXISTING 265
EXISTING 270
EXISTING 275
EXISTING 280
EXISTING 285
EXISTING 290
EXISTING 295
EXISTING 300
EXISTING 305
EXISTING 310
EXISTING 315
EXISTING 320
EXISTING 325
EXISTING 330
EXISTING 335
EXISTING 340
EXISTING 345
EXISTING 350
EXISTING 355
EXISTING

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP-V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP-V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP-V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP-V6-23-03	11/01/2024	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

OVERALL TREE INVENTORY MAP

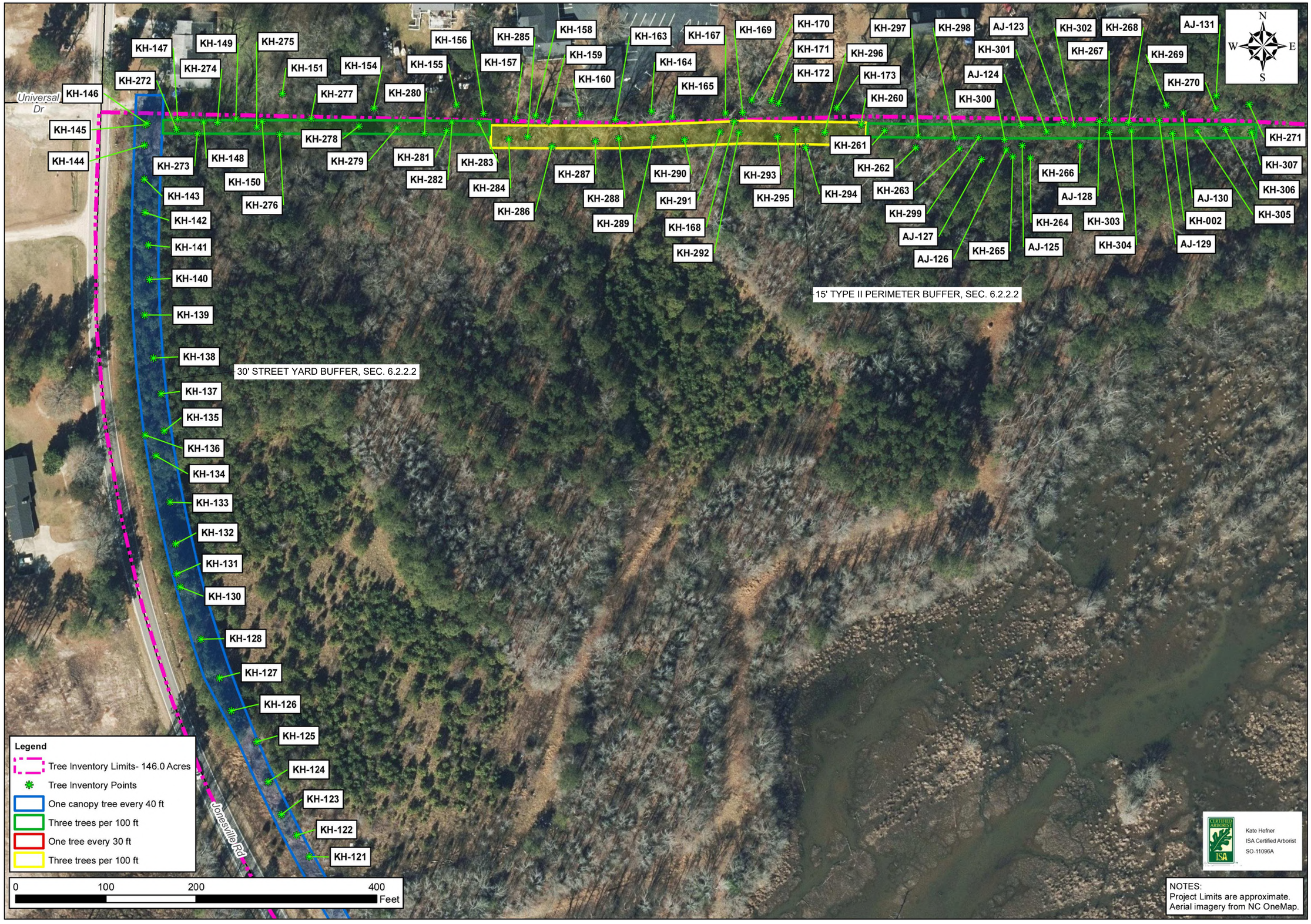
DRAWING SHEET

C-2.1

04 OF 82

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

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

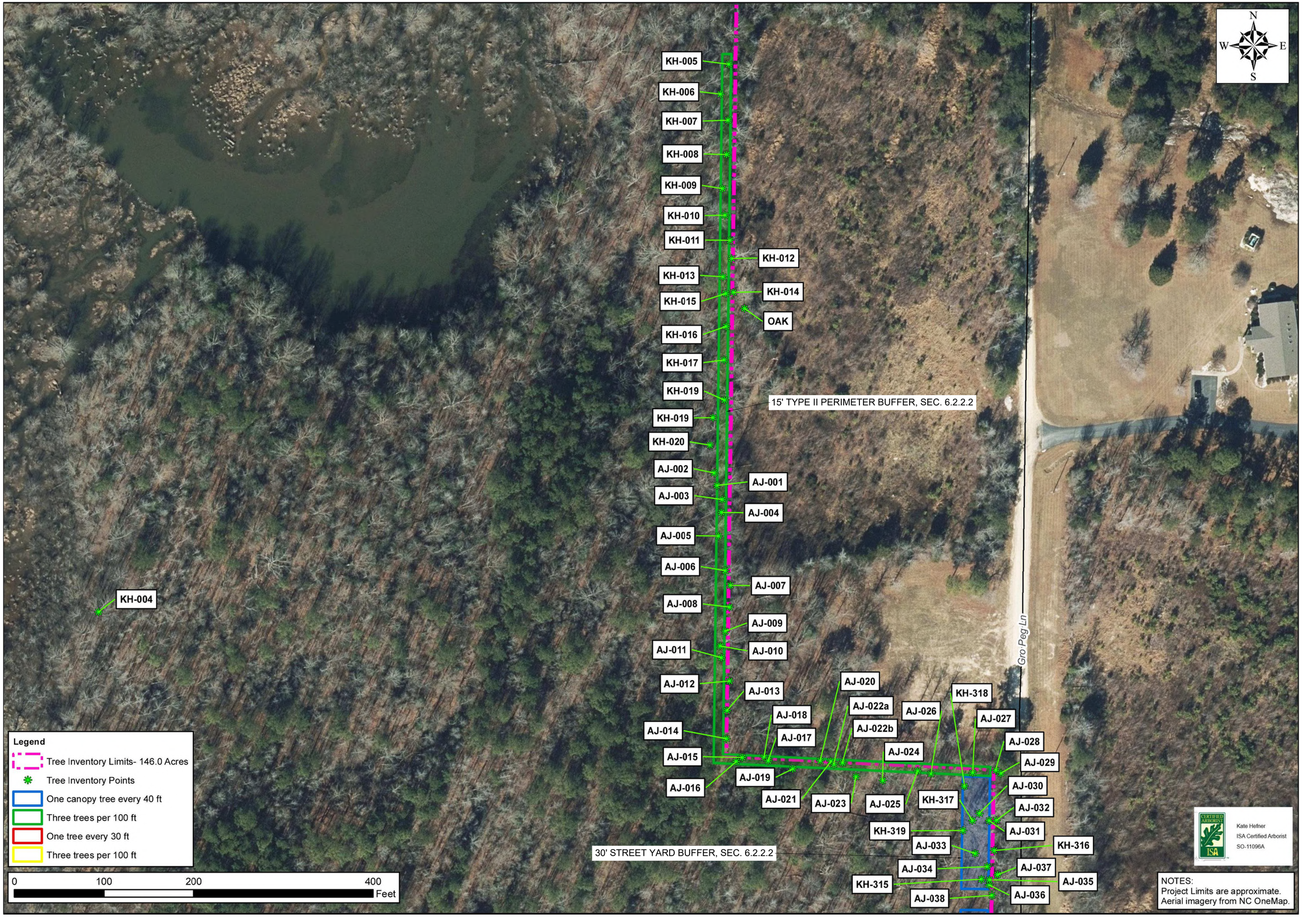
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP I

DRAWING SHEET
C-2.2

05 OF 82

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



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

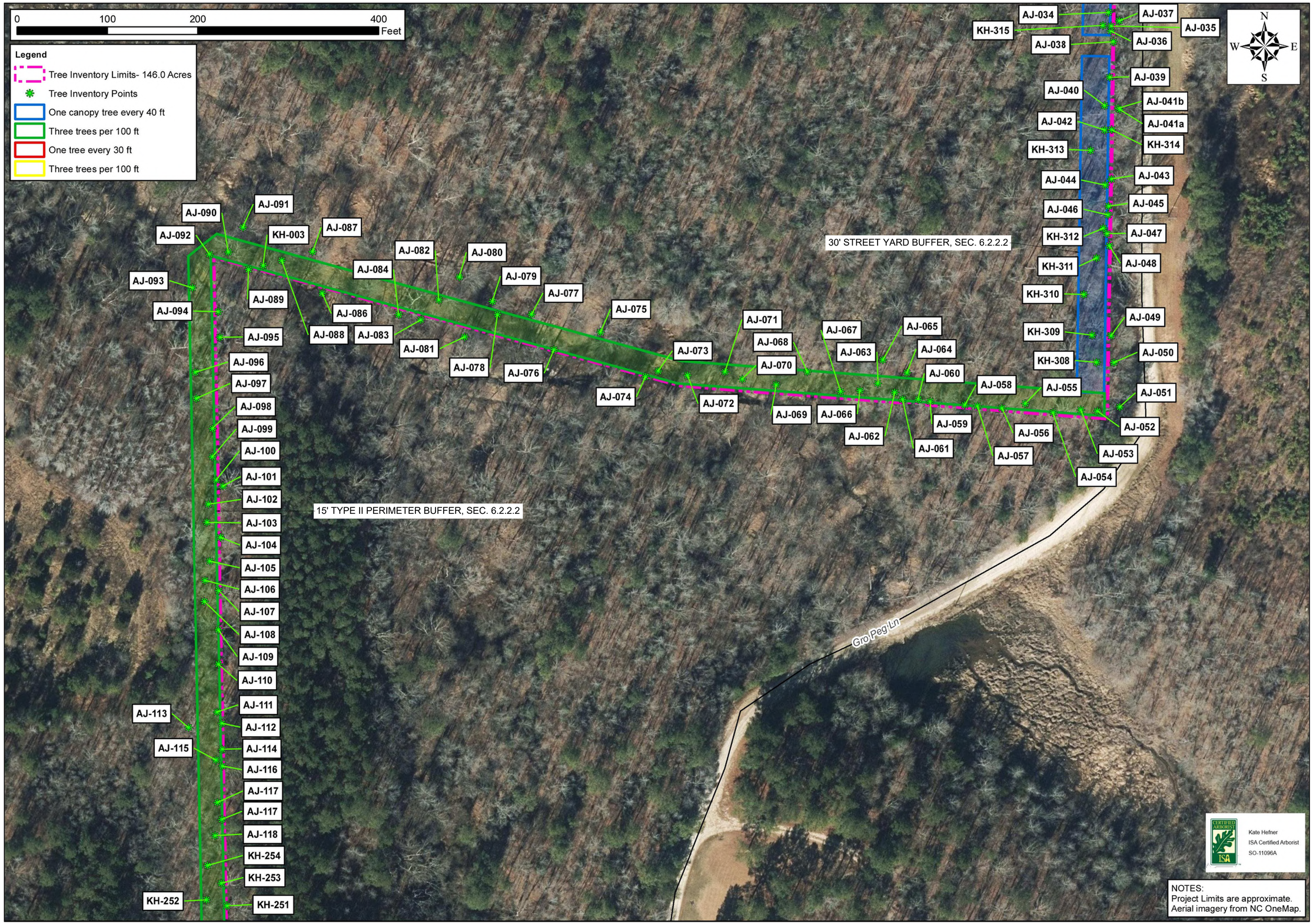
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL TREE INVENTORY MAP II

DRAWING SHEET
C-2.3

06 OF 82

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.



Kate Hefner
ISA Certified Arborist
SO-11096A

NOTES:
Project Limits are approximate.
Aerial imagery from NC OneMap.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP-V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP-V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP-V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP-V6-23-03	11/01/2024	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

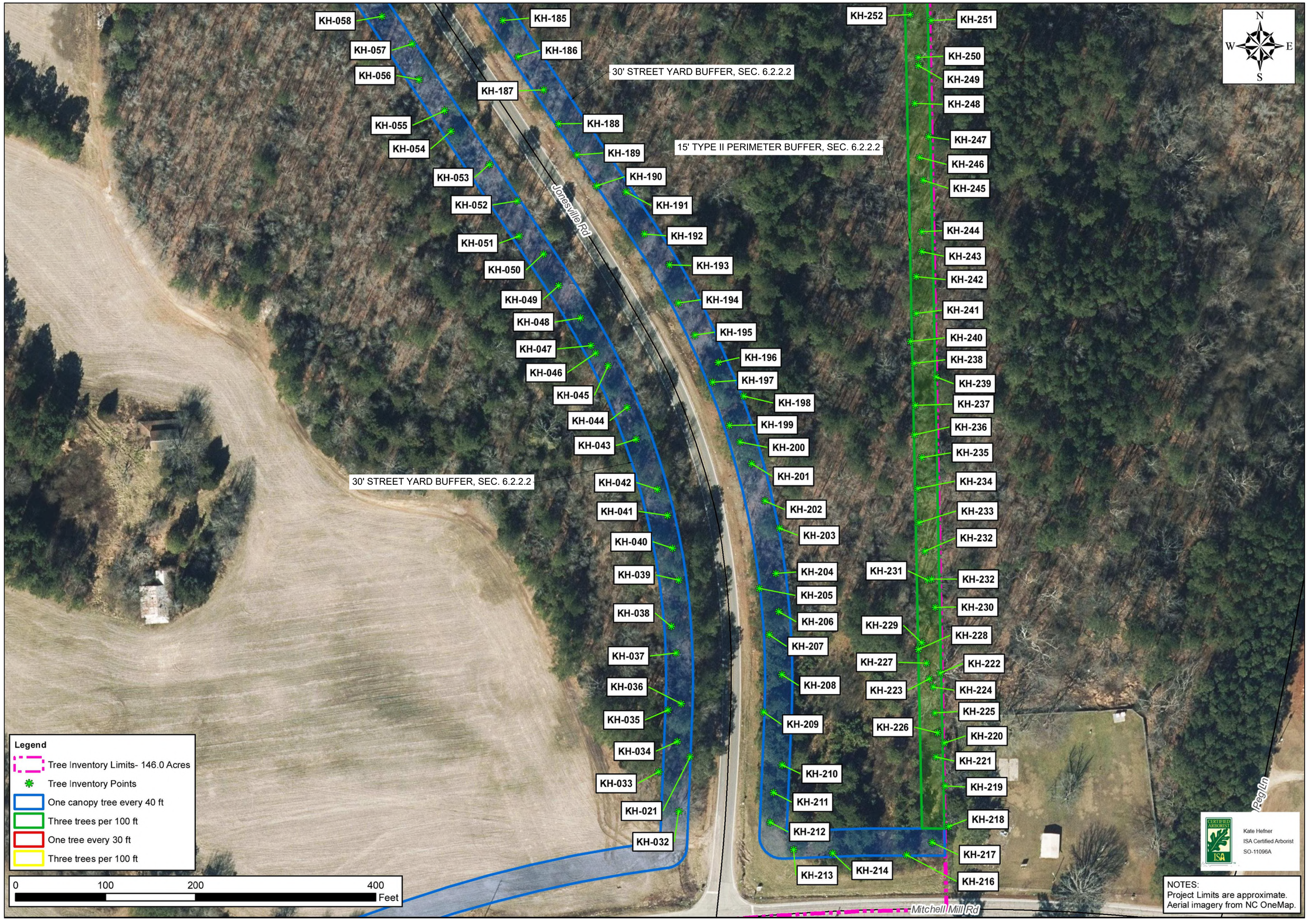
STRONG ROCK PROJECT PSP-23-03	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL TREE INVENTORY MAP III

DRAWING SHEET
C-2.4

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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

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

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

PARTIAL TREE INVENTORY MAP IV

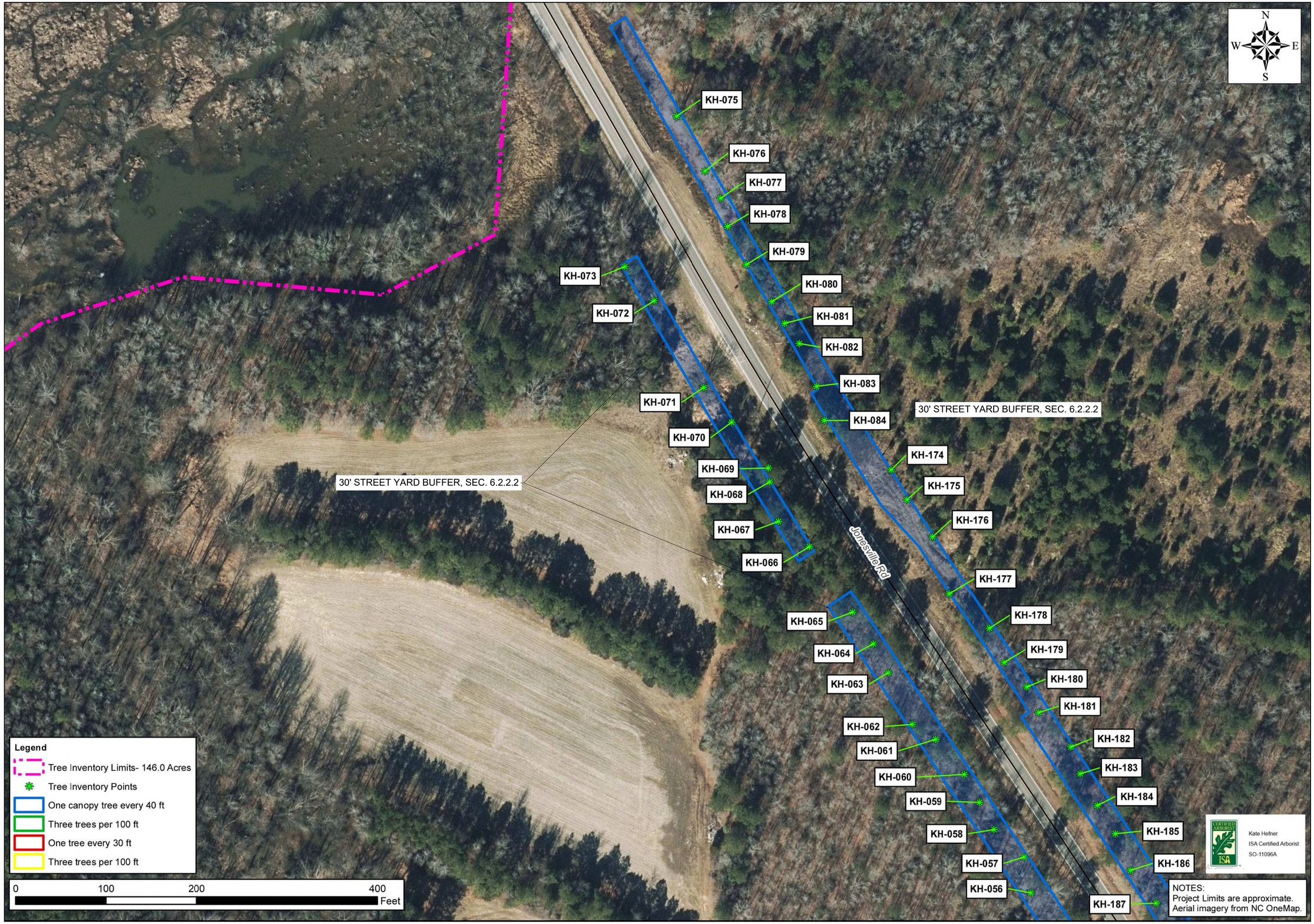
DRAWING SHEET

C-2.5

08 OF 82

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

PROGRESS PLOT DATE: 12/13/2024



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 TREE INVENTORY MAP V

DRAWING SHEET

C-2.6

09 OF 82

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP-V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP- V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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

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

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

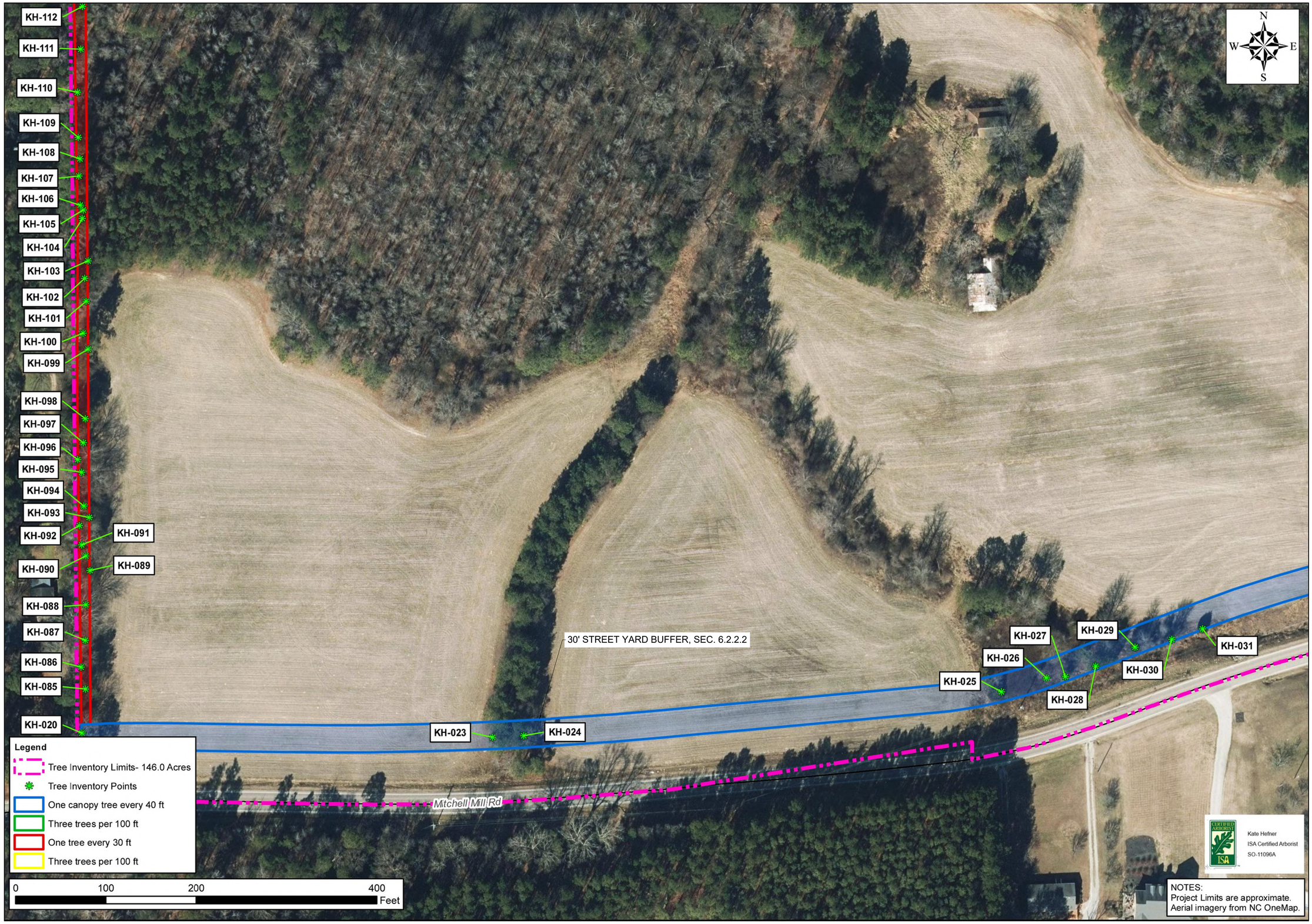
PARTIAL TREE INVENTORY MAP VI

DRAWING SHEET
C-2.7

10 OF 82

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

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/07/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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

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

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

PARTIAL TREE INVENTORY MAP VII

DRAWING SHEET

C-2.8

11 OF 82

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.

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	6"	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	8"	Good
AJ-104	QURU	19"	Good
AJ-105	QUNI	17"	Good
AJ-106	LIST	7"	Good
AJ-107	QURU	28"	Good
AJ-108	LIST	5"	Good
AJ-109	QUST	18"	Good
AJ-110	PRSE	6"	Good
AJ-111	LIST	14"	Good
AJ-112	PITA	21"	Good
AJ-113	QUPH	18"	Good
AJ-114	PITA	28"	Good
AJ-115	CACA	5"	Good
AJ-116	QUST	20"	Good
AJ-117	CACA	6"	Good
AJ-117	CACA	7"	Good
AJ-118	QUNI	16"	Good
AJ-123	PITA	23"	Good
AJ-124	PITA	25"	Good
AJ-125	PRSE	6"	Good
AJ-126	QUNI	7"	Good
AJ-127	QUNI	7"	Good
AJ-128	PITA	20"	Good
AJ-129	PITA	20"	Good
AJ-130	LITU	21"	Good
AJ-131	ULRU	8"	Good

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

Tree Code	Botanical Name	DBH	Condition Overall
KH-067	PITA	13"	Good
KH-068	JUVI	9"	Good
KH-069	PITA	27"	Excellent
KH-070	ULRU	9"	Good
KH-071	ULRU	12"	Good
KH-072	LIST	14"	Good
KH-073	PITA	12"	Good
KH-075	QUNI	12"	Good
KH-076	QUAL	9"	Good
KH-077	QUAL	4"	Good
KH-078	QUAL	7"	Good
KH-079	PITA	14"	Good
KH-080	QUAL	7"	Good
KH-081	PITA	10"	Good
KH-082	PLOR	4"	Good
KH-083	PLOR	4"	Good
KH-084	PITA	15"	Good
KH-085	PITA	18"	Good
KH-086	QUNI	8"	Good
KH-087	MORU	4"	Good
KH-088	MORU	5"	Good
KH-089	MORU	5"	Good
KH-090	OXAR	7"	Good
KH-091	PRSE	22/14"	Poor
KH-092	QUNI	19"	Good
KH-093	MORU	6"	Good
KH-094	JUVI	7"	Good
KH-095	PRSE	14/16"	Good
KH-096	PRSE	25"	Good
KH-097	PRSE	4"	Fair
KH-098	PITA	11"	Good
KH-099	ULAL	3"	Good
KH-100	PITA	19"	Good
KH-101	QUNI	3"	Good
KH-102	ULRU	15"	Good
KH-103	ULRU	6"	Good
KH-104	PITA	11"	Good
KH-105	PITA	23"	Good
KH-106	PITA	22"	Good
KH-107	PITA	29"	Good
KH-108	PITA	26"	Good
KH-109	PITA	28"	Good
KH-110	QUNI	11"	Good
KH-111	QUNI	10"	Good
KH-112	QUNI	7"	Good
KH-113	QUNI	11"	Good
KH-114	QURU	11"	Good
KH-115	PRSE	4"	Poor
KH-116	PITA	12"	Good
KH-117	PITA	12"	Good
KH-118	PITA	13/10"	Good
KH-119	PITA	8"	Fair
KH-120	QUAL	11"	Good
KH-121	QURU	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	8"	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	8"	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	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-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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

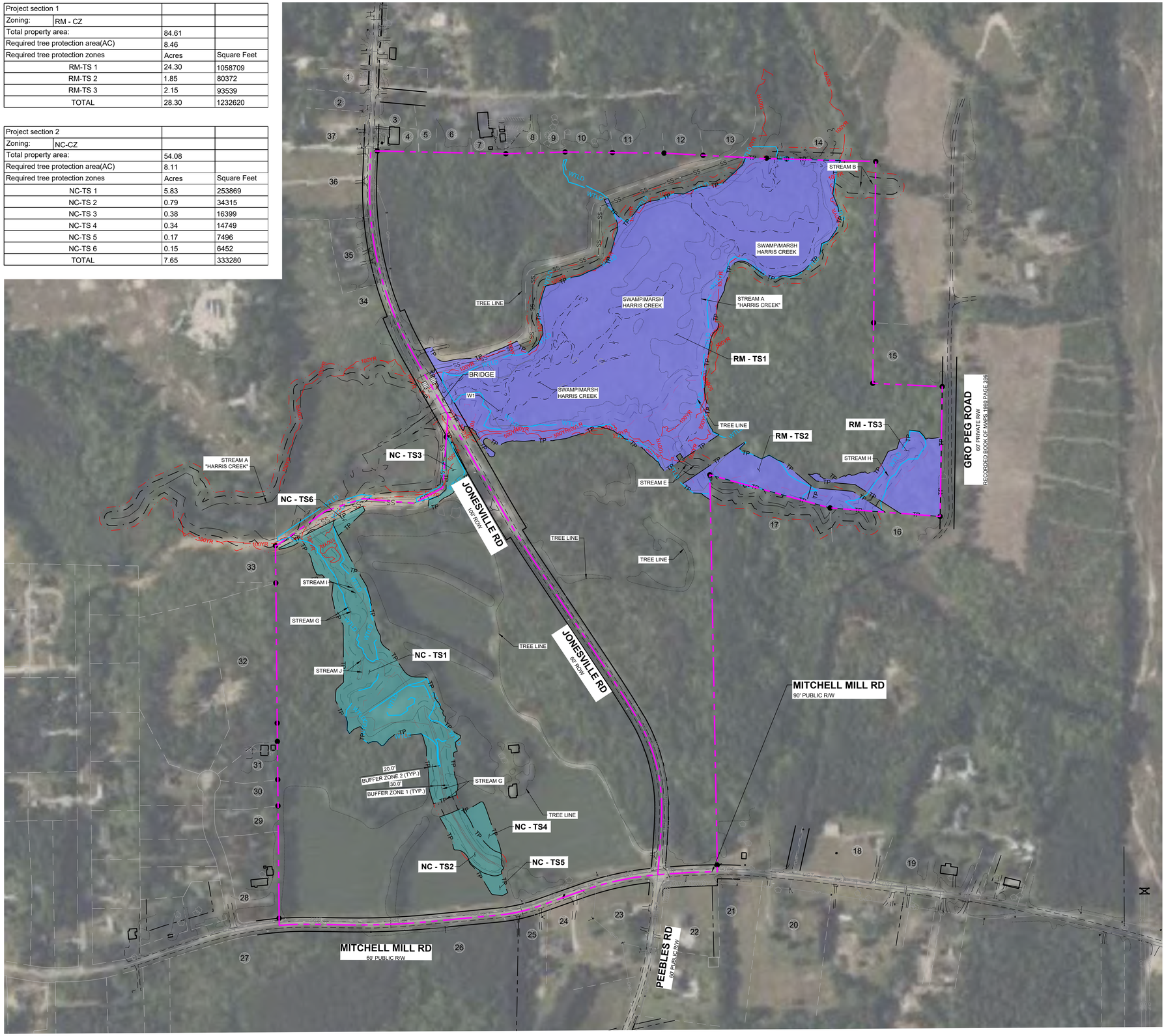
DRAWING SHEET
C-2.9

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.

PROGRESS PLOT DATE: 12/13/2024

Project section 1		
Zoning:	RM - CZ	
Total property area:	84.61	
Required tree protection area(AC)	8.46	
Required tree protection zones	Acres	Square Feet
RM-TS 1	24.30	1058709
RM-TS 2	1.85	80372
RM-TS 3	2.15	93539
TOTAL	28.30	1232620

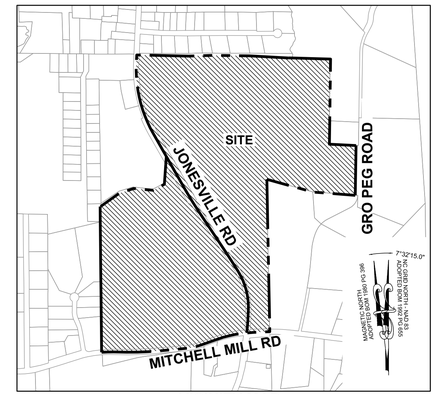
Project section 2		
Zoning:	NC-CZ	
Total property area:	54.08	
Required tree protection area(AC)	8.11	
Required tree protection zones	Acres	Square Feet
NC-TS 1	5.83	253869
NC-TS 2	0.79	34315
NC-TS 3	0.38	16399
NC-TS 4	0.34	14749
NC-TS 5	0.17	7496
NC-TS 6	0.15	6452
TOTAL	7.65	333280



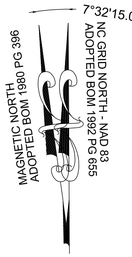
NOTES:
SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500 YEAR FLOOD LINE
- 100 YEAR FLOOD LINE
- SWAMP/MARSH HARRIS CREEK
- EXISTING TREE
- NEW IRON PIPE
- EXISTING IRON PIPE
- EXISTING WETLAND
- TREE PROTECTION AREA - NC ZONE
- TREE PROTECTION AREA - RM ZONE



VICINITY MAP
1" = 800'



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

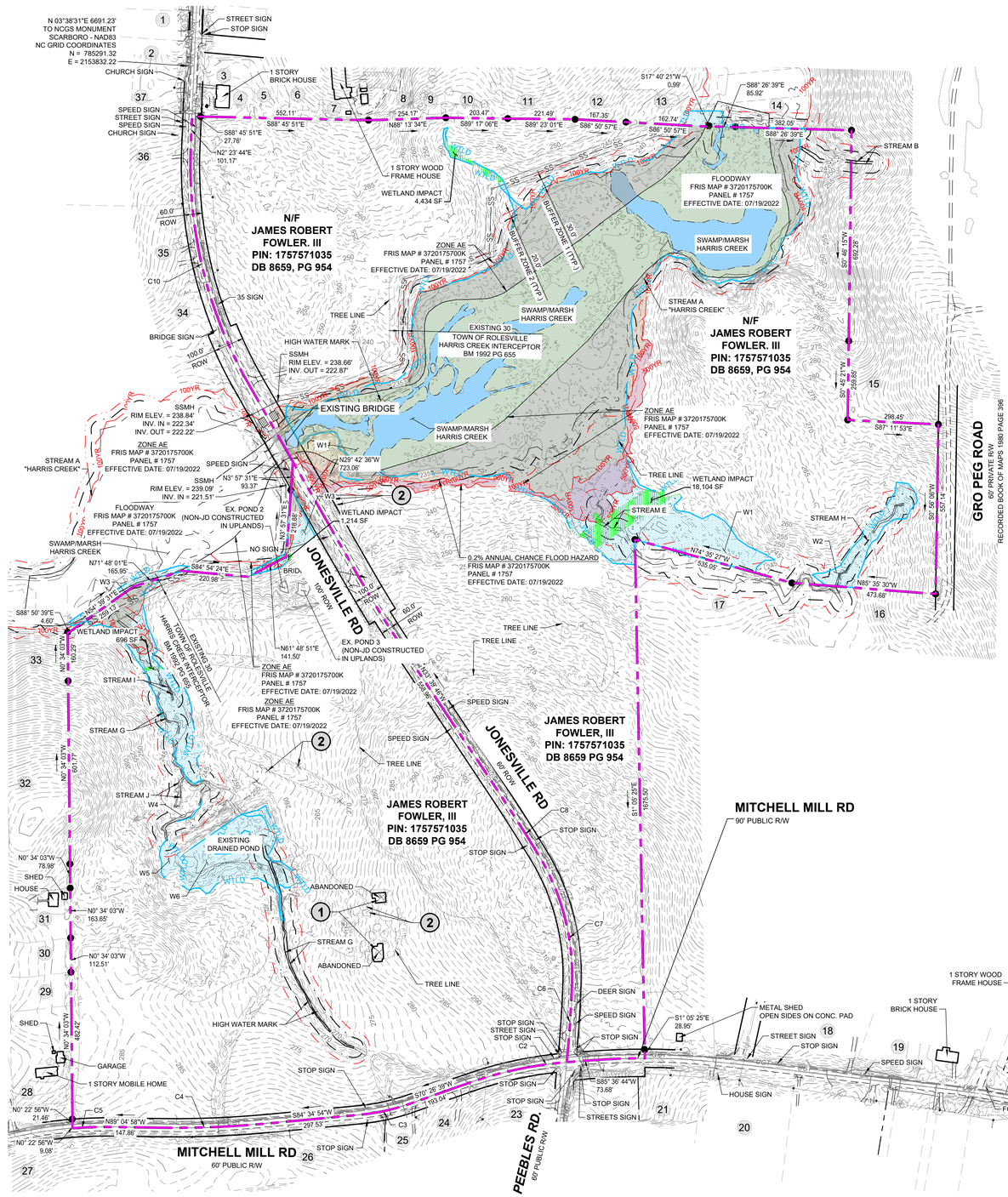
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

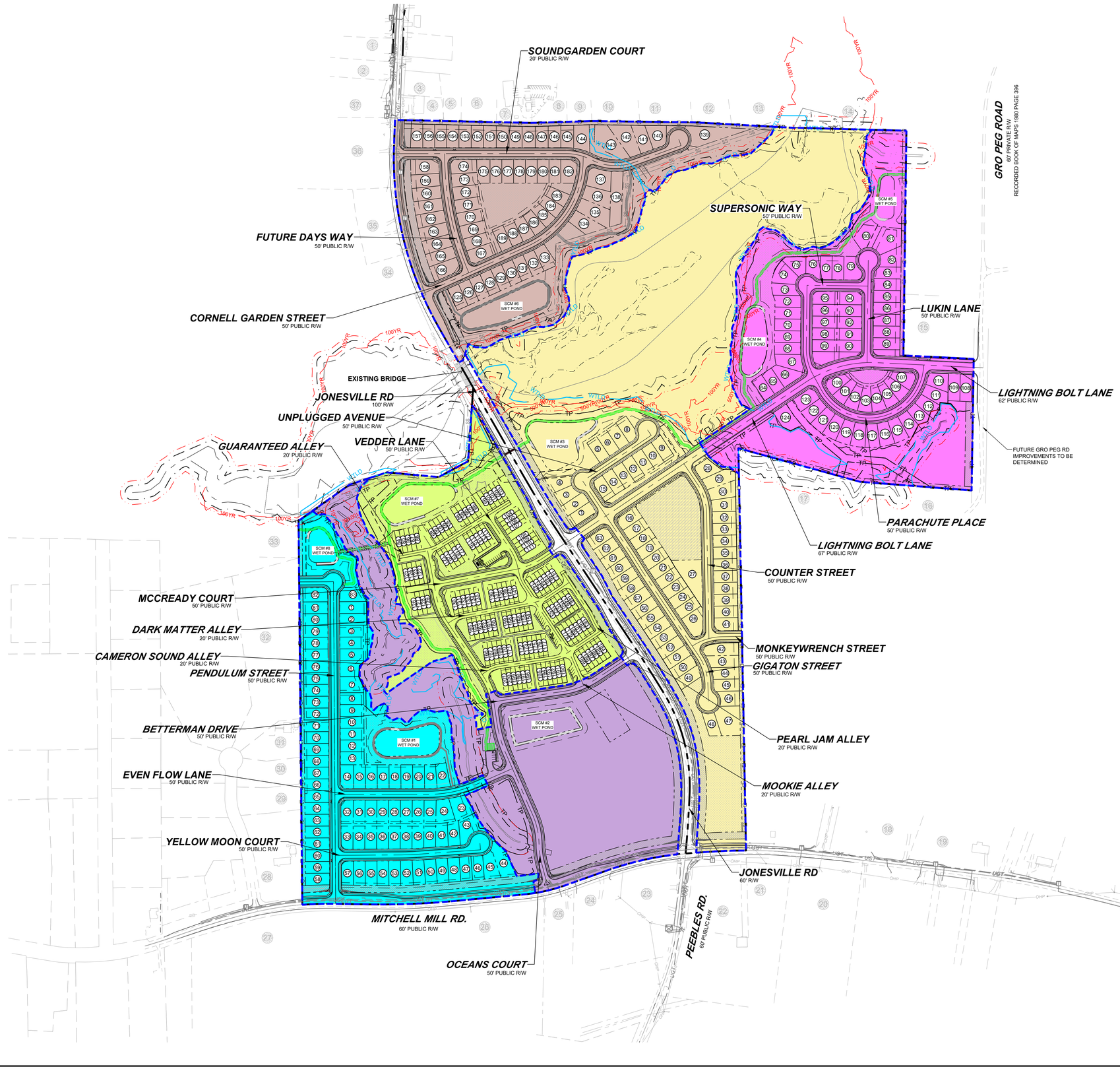
DRAWING SHEET
C-2.10

13 OF 82

ADJOINER INFORMATION			
1	CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421 ZONING: R-30 (WC) USE: SF	20	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
2	ABRAHAM T.BURNHAM ANDKYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734 ZONING: R-30 (WC) USE: SF	21	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757641415 DB 5344 PG 819 ZONING: R-30 (WC) USE: VA
3	JOE L. GREEN PIN: 1757483799 DB 15-E PG 2691 ZONING: R-30 (WC) USE: SF	22	CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON PIN: 1757556361 DB 17855 PG 457 LOT 4 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
4	CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES PIN: 1757484609 DB 2305 PG 673 ZONING: R-30 (WC) USE: SF	23	ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS PIN: 1757553215 DB 17220 PG 2509 LOT 3 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
5	BENJAMIN FERRELL PIN: 1757485713 DB 1697 PG 465 ZONING: R-30 (WC) USE: SF	24	TODD KENDALL HONEYCUTT PIN: 1757551202 DB 13474 PG 1974 LOT 2 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
6	ALESHIA FERRELL & ARRON WALKER PIN: 1757486733 DB 6374 PG 89 BM 1996 PG 00524 ZONING: R-30 (WC) USE: SF	25	CURTIS L. HONEYCUTT AND WIFE TODD KENDALL PIN: 1757540996 DB 19269 PG 2474 LOT 1 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
7	CHRIST HOLINESS CHURCH #1 PIN: 1757487783 DB 2928 PG 328 ZONING: R-30 (WC) USE: CH	26	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868 ZONING: R-30 (WC) USE: FO
8	CHRIST HOLINESS CHURCH #1 PIN: 1757489733 DB 4321 PG 788 ZONING: R-30 (WC) USE: VA	27	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 ZONING: R-30 (WC) USE: FO
9	CHRIST HOLINESS CHURCH #1 PIN: 1757580764 DB 9467 PG 430 ZONING: R-30 (WC) USE: VA	28	PERR Y.ELWOOD RYAN PIN: 1757357582 DB 19292 PG 2780 ZONING: R-30 (WC) USE: MO
10	ALICIA BROWN & CARL T. JONES PIN: 1757582714 DB 16128 PG 183 ZONING: R-30 (WC) USE: SF	29	TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE PIN: 1757357764 DB 9236 PG 2229 LOT 3 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
11	RS RENTAL II LLC PIN: 1757584724 DB 18703 PG 2414 BM 1981 PG 894 ZONING: R-30 (WC) USE: SF	30	BERNARD MILLER PIN: 1757357865 DB 15416 PG 1651 LOT 4 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
12	KAREN E. BASS PIN: 1757586704 DB 12560 PG 1626 BM 1984 PG 943 ZONING: R-30 (WC) USE: SF	31	MARCIE L. HOLDEN PIN: 1757358908 DB 15599 PG 1003 LOT 5 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
13	JAMES K. WILLIAMS PIN: 1757588784 DB 16784 PG 1013 BM 1989 PG 01474 ZONING: R-30 (WC) USE: VA	32	MEGAN KULAWIAK PIN: 1757367367 DB 16226 PG 1133 LOT 6 BM 1990 PG 00387 ZONING: R-30 (WC) USE: VA
14	GRO PEG PROPERTIES LLC PIN: 1757684697 DB 18359 PG 1707 LOT 5 - BM 1980 PG 00396 ZONING: R-30 (WC) USE: VA	33	KENNETH INVESTMENT LLC. PIN: 1757368816 DB 19248 PG 1884 ZONING: R-30 (WC) USE: VA
15	SCOTT & THERESA CARLE PIN: 1757675786 DB 14863 PG 2493 LOT 4A- BM 1980 PG 00396 ZONING: R-30 (WC) USE: VA	34	KENNETH INVESTMENT LLC PIN: 1757471559 DB 19248 PG 1884 LOT - BM 2007 PG 01224 ZONING: R-30 (WC) USE: VA
16	GRO PEG PROPERTIES PIN: 1757664656 DB 19081 PG 2786 LOT 2A- BM 1982 PG 00581 ZONING: R-30 (WC) USE: VA	35	HENRY ALSTON PIN: 1757481376 DB 19248 PG 984 BM 1982 PG 721 ZONING: R-30 (WC) USE: SF
17	MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC PIN: 1757660324 DB 10124 PG 2778 LOT 1- BM 2002 PG 991 ZONING: R-30 (WC) USE: VA	36	UNIVERSAL CHURCH OF PRAYER PIN: 1757388408 DB 19599 PG 1723 LOT - BM 2002 PG 00667 ZONING: R-30 (WC) USE: CH
18	G.ARCHIE UNDERHILL, JR. AND WIFE, TERESSA C. UNDERHILL PIN: 1757653765 DB 8443 PG 2129 BM 1999 PG 1357 ZONING: R-30 (WC) USE: SF	37	ROZELIA J. HARTSFIELD HEIRS PIN: 1757481740 DB 10-E PG 1220 ZONING: R-30 (WC) USE: VA
19	GENADIUS MAC PREDDY AND WIFE, MATTIE F. PREDDY PIN: 1757656586 DB 1882 PG 342 ZONING: R-30 (WC) USE: SF		


N/F
JAMES ROBERT
FOWLER. III
PIN: 1757571035
DB 8659, PG 954
JONESVILLE RD
60' PUBLIC R/W
GRO PEG ROAD
60' PRIVATE R/W
RECORDED BOOK OF MAPS 1980 PAGE 396
MITCHELL MILL RD
60' PUBLIC R/W
PEEBLES RD.
60' PUBLIC R/W
JAMES ROBERT
FOWLER, III
PIN: 1757571035
DB 8659 PG 954
MITCHELL MILL RD
90' PUBLIC R/W
EXISTING BRIDGE
FLOODWAY
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
SWAMP/MARSH
HARRIS CREEK
STREAM A
"HARRIS CREEK"
STREAM B
STREAM E
STREAM G
STREAM H
STREAM I
STREAM J
WETLAND IMPACT
4,434 SF
WETLAND IMPACT
1,214 SF
WETLAND IMPACT
18,104 SF
EX. POND 2
(NON-JD CONSTRUCTED
IN UPLANDS)
EX. POND 3
(NON-JD CONSTRUCTED
IN UPLANDS)
EXISTING
DRAINED POND
ABANDONED
ABANDONED
EXISTING 30'
TOWN OF ROLESVILLE
HARRIS CREEK INTERCEPTOR
BM 1992 PG 655
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)
0.2% ANNUAL CHANCE FLOOD HAZARD
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
ZONE AE
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
1 STORY BRICK HOUSE
1 STORY WOOD FRAME HOUSE
1 STORY MOBILE HOME
GARAGE
SHED
SHED
HOUSE
METAL SHED
OPEN SIDES ON CONC. PAD
STREET SIGN
STOP SIGN
SPEED SIGN
DEER SIGN
HOUSE SIGN
FOR SIGN
STREETS SIGN
HIGH WATER MARK
TREE LINE
BRIDGE SIGN
35 SIGN
SPEED SIGN
NO SIGN
STREET SIGN
CHURCH SIGN
SPEED SIGN
STREET SIGN
CHURCH SIGN
STOP SIGN
STREET SIGN
STOP SIGN
STOP SIGN
STOP

PROGRESS PLOT DATE: 12/13/2024



LEGEND:

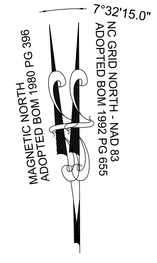
- PHASE 1: 42.33 AC
- PHASE 2: 22.02 AC
- PHASE 3: 20.26 AC
- PHASE 4: 18.32 AC
- PHASE 5: 16.71 AC
- PHASE 6: 19.05 AC

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS
SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS
SEE SHEETS C-6 FOR OPEN SPACE INFORMATION

TOWNHOME NOTES:

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



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

PHASING PLAN

DRAWING SHEET

C-4.0

PROGRESS PLOT DATE: 12/13/2024



LEGEND:

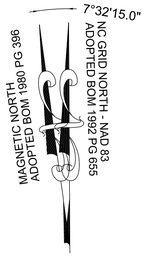
- BLOCK A
- BLOCK B
- BLOCK C
- BLOCK D
- BLOCK E
- BLOCK F
- BLOCK G
- BLOCK H
- BLOCK I
- BLOCK J
- BLOCK K
- BLOCK L
- BLOCK M
- BLOCK N
- BLOCK O
- BLOCK P
- BLOCK Q
- BLOCK R
- BLOCK S
- BLOCK T
- BLOCK U
- BLOCK V
- BLOCK W
- BLOCK X
- BLOCK Y
- BLOCK Z
- BLOCK AA
- BLOCK AB
- BLOCK AC
- BLOCK AD
- BLOCK AE
- BLOCK AF
- BLOCK AG
- BLOCK AH
- BLOCK AI

TOWNHOME NOTES:

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

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS
SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

BLOCK AND LOT PLAN

DRAWING SHEET

C-4.1

16 OF 82

PROGRESS PLOT DATE: 12/13/2024

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	SOUNDGARDEN COURT	28.00'	N19°46'28"W	22+38.85	22+66.85
L2	SOUNDGARDEN COURT	729.66'	N89°58'55"E	10+00.00	17+29.66
L3	SOUNDGARDEN COURT	211.22'	N70°13'32"E	20+27.63	22+38.85
L4	CORNELL GARDEN STREET	15.79'	N0°01'05"W	19+50.07	19+65.85
L5	CORNELL GARDEN STREET	491.62'	N65°38'58"E	10+00.00	14+91.62
L6	LIGHTNING BOLT LANE	1222.94'	N56°12'22"E	10+00.00	22+22.94
L7	LIGHTNING BOLT LANE	451.93'	S87°11'53"E	25+42.30	29+94.22
L8	UNPLUGGED AVENUE	348.89'	N56°12'22"E	11+76.90	15+25.79
L9	UNPLUGGED AVENUE	28.00'	N33°47'38"W	15+25.79	15+53.79
L10	UNPLUGGED AVENUE	176.90'	N33°46'39"W	10+00.00	11+76.90
L11	GIGATON STREET	68.95'	S1°05'25"E	18+43.12	19+12.07
L12	GIGATON STREET	70.05'	S32°03'33"E	12+05.00	12+75.05
L13	GIGATON STREET	406.86'	S33°46'39"E	13+05.04	17+11.90
L14	GIGATON STREET	175.00'	S33°46'39"E	10+00.00	11+75.00
L15	COUNTER STREET	103.46'	S33°47'38"E	10+00.00	11+03.46
L16	COUNTER STREET	530.88'	S1°05'25"E	12+34.74	17+65.61
L17	MONKEYWRENCH STREET	2.12'	S56°13'21"W	12+16.59	12+18.71
L18	MONKEYWRENCH STREET	85.37'	S88°54'35"W	10+00.00	10+85.37
L19	SUPERSONIC WAY	11.85'	N28°40'26"W	10+00.00	10+11.85
L20	SUPERSONIC WAY	258.23'	S89°18'50"E	13+94.68	16+52.91
L21	SUPERSONIC WAY	264.97'	N0°41'10"E	11+29.71	13+94.68
L22	PARACHUTE PLACE	61.73'	S28°40'26"E	10+00.00	10+61.73
L23	PARACHUTE PLACE	2.61'	N59°15'52"E	14+31.29	14+33.90
L24	PARACHUTE PLACE	4.68'	N2°48'07"E	16+60.56	16+65.24
L25	LUKIN LANE	434.34'	N0°41'10"E	10+00.00	14+34.34
L26	MCCREADY COURT	116.47'	S56°12'22"W	10+00.00	11+16.47
L27	MCCREADY COURT	351.71'	S79°05'59"W	12+40.34	15+92.05
L28	OCEANS COURT	115.42'	N14°39'30"W	10+00.00	11+15.42
L29	OCEANS COURT	17.18'	N2°10'11"W	11+91.71	12+08.88
L30	OCEANS COURT	288.95'	N23°37'43"W	13+24.99	16+13.93

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L31	OCEANS COURT	76.14'	N8°29'13"W	17+46.08	18+22.21
L32	OCEANS COURT	274.64'	N33°36'56"W	19+58.17	22+32.81
L33	OCEANS COURT	30.91'	N10°59'05"W	25+15.22	25+46.13
L34	OCEANS COURT	56.04'	N10°59'05"W	23+55.26	24+11.30
L35	OCEANS COURT	103.92'	N10°59'05"W	24+11.31	25+15.22
L36	BETTERMAN DRIVE	205.88'	S56°21'23"W	10+00.00	12+05.88
L37	BETTERMAN DRIVE	298.92'	S81°30'47"W	13+59.56	16+58.48
L38	VEDDER LANE	7.54'	N12°48'44"W	10+00.00	10+07.54
L39	VEDDER LANE	169.36'	N33°39'46"W	10+91.24	12+60.59
L40	EVEN FLOW LANE	398.73'	N90°00'00"E	10+00.00	13+98.73
L41	EVEN FLOW LANE	167.06'	N66°21'40"E	16+05.02	17+72.08
L42	YELLOW MOON COURT	282.58'	N89°36'34"E	10+00.00	12+82.58
L43	YELLOW MOON COURT	269.10'	N85°56'51"E	13+46.50	16+15.59
L44	YELLOW MOON COURT	28.00'	N4°03'09"W	16+15.60	16+43.59
L45	PENDULUM STREET	1364.52'	N0°23'26"W	10+00.00	23+64.52
L46	PENDULUM STREET	145.41'	S89°36'32"W	23+64.53	25+09.93
L47	MOOKIE ALLEY	22.33'	S12°40'02"E	10+00.00	10+22.33
L48	MOOKIE ALLEY	341.67'	S33°36'56"E	10+77.18	14+18.84
L49	MOOKIE ALLEY	125.34'	S23°26'24"E	14+45.48	15+70.82
L50	CAMERON SOUND ALLEY	20.01'	N56°23'04"E	10+00.00	10+20.01
L51	CAMERON SOUND ALLEY	225.68'	N81°30'47"E	10+85.80	13+11.48
L52	CAMERON SOUND ALLEY	163.72'	N56°21'23"E	13+77.34	15+41.05
L53	DARK MATTER ALLEY	16.09'	N56°23'04"E	10+00.00	10+16.09
L54	DARK MATTER ALLEY	303.00'	N79°05'59"E	10+75.57	13+78.57
L55	DARK MATTER ALLEY	111.56'	N56°23'04"E	14+38.04	15+49.60
L56	GUARANTEED ALLEY	355.03'	N58°06'55"E	11+75.08	15+30.10
L57	GUARANTEED ALLEY	120.13'	N79°05'59"E	10+00.00	11+20.13
L58	PEARL JAM ALLEY	22.86'	N33°38'37"W	10+00.00	10+22.86
L59	PEARL JAM ALLEY	32.89'	N25°36'48"W	10+43.89	10+76.78
L60	PEARL JAM ALLEY	192.60'	N33°36'56"W	10+97.73	12+90.33

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	SOUNDGARDEN COURT	230.00'	109.33'	108.30'	S76°24'01"E	17+29.66	18+38.99
C2	SOUNDGARDEN COURT	230.00'	188.64'	183.39'	S86°16'43"E	18+38.99	20+27.63
C3	FUTURE DAYS WAY	1250.00'	518.68'	514.96'	S11°25'57"E	10+00.00	15+18.68
C4	CORNELL GARDEN STREET	400.00'	458.45'	433.76'	N32°48'56"E	14+91.62	19+50.06
C5	LIGHTNING BOLT LANE	500.00'	319.36'	313.96'	N74°30'15"E	22+22.94	25+42.30
C6	GIGATON STREET	230.00'	131.21'	129.44'	S17°26'02"E	17+11.90	18+43.12
C7	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E	11+75.00	12+04.99
C8	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E	12+75.05	13+05.04
C9	COUNTER STREET	230.00'	131.28'	129.51'	S17°26'31"E	11+03.46	12+34.74
C10	MONKEYWRENCH STREET	230.00'	131.21'	129.44'	S72°33'58"W	10+85.37	12+16.59
C11	SUPERSONIC WAY	230.00'	117.86'	116.57'	N13°59'38"W	10+11.85	11+29.71
C12	PARACHUTE PLACE	230.00'	369.56'	331.07'	S74°42'17"E	10+61.73	14+31.29
C13	PARACHUTE PLACE	230.00'	226.66'	217.60'	N31°02'00"E	14+33.90	16+60.56
C14	MCCREADY COURT	310.00'	123.87'	123.04'	S67°39'11"W	11+16.47	12+40.33
C15	OCEANS COURT	350.00'	76.29'	76.14'	N8°24'51"W	11+15.42	11+91.71
C16	OCEANS COURT	310.00'	116.10'	115.43'	N12°53'57"W	12+08.88	13+24.99
C17	OCEANS COURT	500.00'	132.14'	131.75'	N16°03'28"W	16+13.93	17+46.07
C18	OCEANS COURT	310.00'	135.96'	134.87'	N21°03'04"W	18+22.21	19+58.17
C19	OCEANS COURT	310.00'	122.44'	121.65'	N22°18'00"W	22+32.81	23+55.26
C20	BETTERMAN DRIVE	350.00'	153.67'	152.44'	S68°56'05"W	12+05.88	13+59.56
C21	VEDDER LANE	230.00'	83.70'	83.24'	N23°14'15"W	10+07.54	10+91.24
C22	EVEN FLOW LANE	500.00'	206.29'	204.83'	N78°10'50"E	13+98.73	16+05.02
C23	YELLOW MOON COURT	1000.00'	63.91'	63.90'	N87°46'43"E	12+82.58	13+46.49
C24	MOOKIE ALLEY	150.00'	54.84'	54.54'	S23°08'29"E	10+22.33	10+77.17
C25	MOOKIE ALLEY	150.00'	26.64'	26.60'	S28°31'40"E	14+18.84	14+45.48

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C26	CAMERON SOUND ALLEY	150.00'	65.79'	65.26'	N68°56'56"E	10+20.01	10+85.79
C27	CAMERON SOUND ALLEY	150.00'	65.86'	65.33'	N68°56'05"E	13+11.48	13+77.34
C28	DARK MATTER ALLEY	150.00'	59.47'	59.08'	N67°44'32"E	10+16.09	10+75.56
C29	DARK MATTER ALLEY	150.00'	59.47'	59.08'	N67°44'32"E	13+78.57	14+38.03
C30	GUARANTEED ALLEY	150.00'	54.94'	54.63'	N68°36'27"E	11+20.13	11+75.07
C31	PEARL JAM ALLEY	150.00'	21.02'	21.01'	N29°37'42"W	10+22.86	10+43.89
C32	PEARL JAM ALLEY	150.00'	20.95'	20.93'	N29°36'52"W	10+76.78	10+97.73



LEGEND:

- EXISTING PROPERTY LINE
- 500YR FLOOD LINE
- 100YR FLOOD LINE
- SIGN
- STOP BAR
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- ROLESVILLE STANDARD VALLEY CURB
- STANDARD CURB & GUTTER
- GREENWAY
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- POLINATOR GARDEN
- ACTIVE & PASSIVE OPEN SPACE
- 30' STREET YARD BUFFER
- 15' TYPE II PERIMETER BUFFER
- OPEN SPACE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- TREE PROTECTION FENCE
- GENERIC WOODEN PRIVACY FENCE
- FENCE PICKET FLAT-TOP
- FENCING

TOWNHOME NOTES:

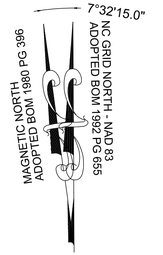
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS
SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS

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.
12. ALL RETAINING WALLS TO BE DESIGNED BY OTHERS.
13. DETAILED DRAWINGS OF EACH AMENITY, THAT SHOWS COMPLIANCE WITH 6.2.1.G.5 AND 6.2.1.G.6, WILL BE PROVIDED IN A SUBSEQUENT SITE PLAN SUBMITTAL
14. DETAILED DRAWINGS OF THE COMMERCIAL AREA WILL BE PROVIDED IN A SUBSEQUENT SITE PLAN SUBMITTAL



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

OVERALL SITE PLAN

DRAWING SHEET
C-5.0

17 OF 82

PROGRESS PLOT DATE: 12/13/2024

CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES
PIN: 1757484609
DB 2305 PG 673
ZONING: R-30 (WC)
USE: SF

BENJAMIN FERRELL
PIN: 1757485713
DB 1697 PG 465
ZONING: R-30 (WC)
USE: SF

ALESHIA FERRELL & ARRON WALKER
PIN: 1757486733
DB 6374 PG 89
BM 1996 PG 00524
ZONING: R-30 (WC)
USE: SF

CHRIST HOLINESS CHURCH #1
PIN: 1757487783
DB 2928 PG 328
ZONING: R-30 (WC)
USE: CH

CHRIST HOLINESS CHURCH #1
PIN: 1757489733
DB 4321 PG 788
ZONING: R-30 (WC)
USE: VA

CHRIST HOLINESS CHURCH #1
PIN: 1757580764
DB 9467 PG 430
ZONING: R-30 (WC)
USE: VA

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

SOUNDGARDEN COURT
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

JONESVILLE RD
60' R/W

BALLFIELD
1.05 AC

POLLINATOR GARDEN
1.83 AC

SMALL IPEMA PLAYGROUND
0.20 AC

PRIMITIVE TRAIL
1.55 AC

SCM #6
WET POND
43,550 SF
1.00 AC

STREAM A "HARRIS CREEK"

SWAMP/MARSH
HARRIS CREEK

FLOODZONE AE

FLOODWAY

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

MATCH LINE
FOR CONTINUATION, SEE C-5.2

MATCH LINE
FOR CONTINUATION, SEE C-5.4

PHASE LINE (TYP.)
PROPERTY LINE (TYP.)
GENERIC WOODEN PRIVACY FENCE 6' TALL
RET. WALL BY OTHERS (TYP.)
TYPE II PERIMETER BUFFER
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
30.0' SANITARY SEWER EASEMENT
10.0' WIDE PRIVATE MULTI-USE PATHWAY
SIDE SETBACK (TYP.)
SIDEWALK
CROSSWALK (TYP.)
STOP BAR (TYP.)
PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT
THE OVERHEAD POWER WILL BE RELOCATED
30.0' STREET YARD BUFFER
10'X70' SIGHT DISTANCE TRIANGLES
WHEELCHAIR RAMPS (TYP.)
SIDE PATH
20.0' DRAINAGE & ACCESS EASEMENT
SCM MAINTENANCE EASEMENT

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

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

SITE KEY PLAN

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

LEGEND:

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-5.1

18 OF 82

PROGRESS PLOT DATE: 12/13/2024

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

SOUNDGARDEN COURT
50' PUBLIC R/W

136
13,113 SF

30.0' SANITARY SEWER EASEMENT

TYPE II PERIMETER BUFFER

POLLINATOR GARDEN
1.83 AC

TOWN OF ROLESVILLE PARKS GREENWAY INTERCEPT FOR BM 1997 PG 855

MATCH LINE
FOR CONTINUATION, SEE C-5.1

STREAM A "HARRIS CREEK"

BUFFER ZONE 2 (TYP.)

BUFFER ZONE 1 (TYP.)

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

PARKOUR COURSE
1.72 AC

SUPERSONIC WAY
50' PUBLIC R/W

30.0' GREENWAY EASEMENT

10.0' GREENWAY

20.0' PRIVATE DRAINAGE EASEMENT

SCM MAINTENANCE EASEMENT

FLOOD ZONE AE

SCM #4
WET POND
29,481 SF
0.68 AC

10.0' BERM

GREENWAY TRAIL

SIDE SETBACK (TYP.)

WHEELCHAIR RAMPS (TYP.)

SIDEWALK

CROSSWALK (TYP.)

20.0' PUBLIC DRAINAGE EASEMENT

LUKIN LANE
50' PUBLIC R/W

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

PHASE LINE (TYP.)

STREAM B

SCM MAINTENANCE EASEMENT

RET. WALL BY OTHERS (TYP.)

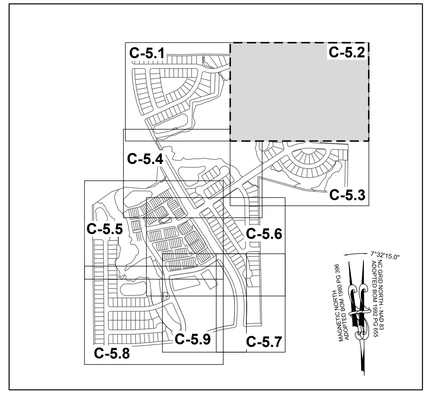
SCM #5
WET POND
13,785 SF
0.32 AC

20.0' SANITARY SEWER EASEMENT

15.0'
TYPE II PERIMETER BUFFER

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT



SITE KEY PLAN

LEGEND:

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

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.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

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

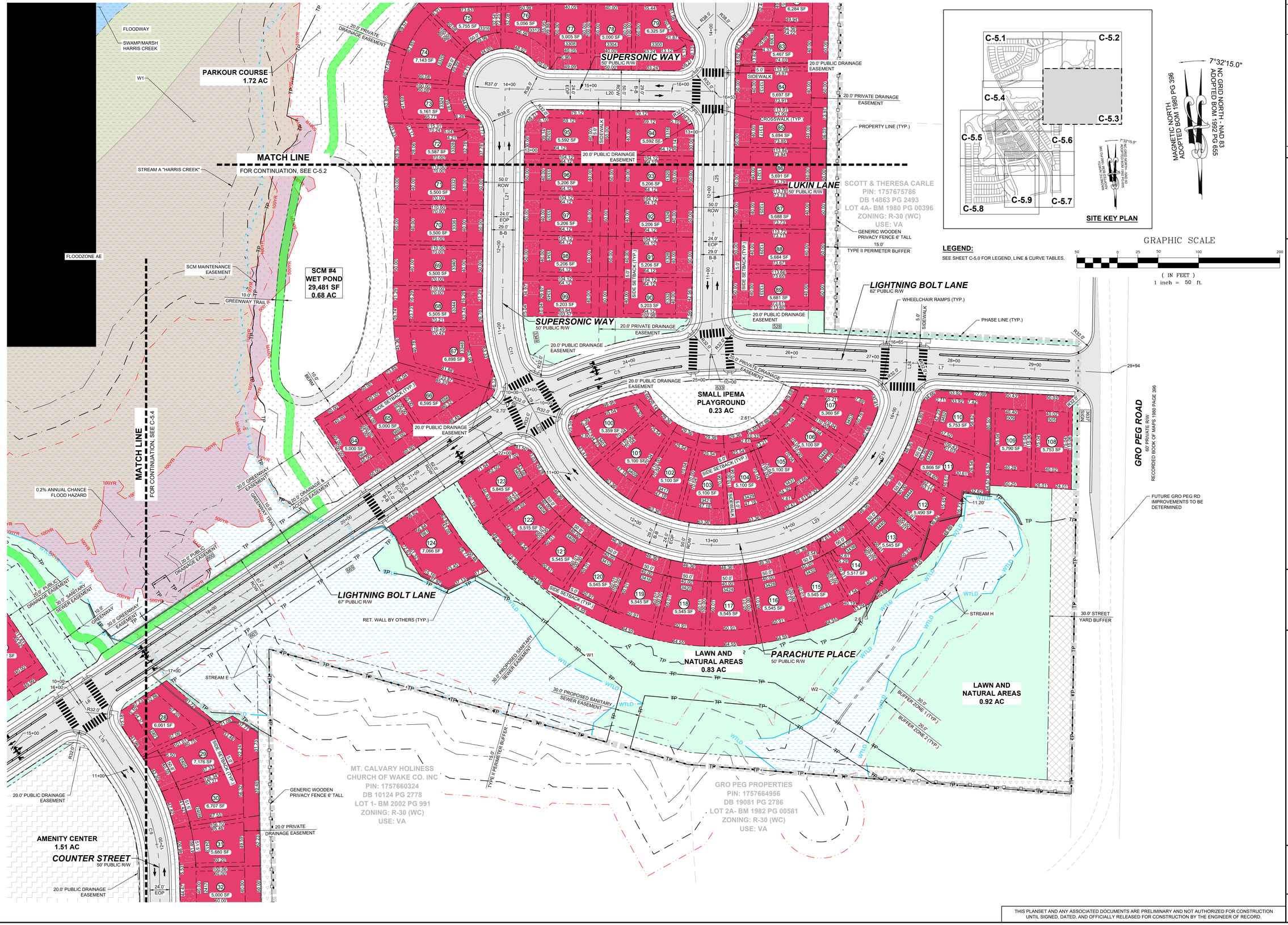
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-5.2

19 OF 82

PROGRESS PLOT DATE: 12/13/2024



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 III

DRAWING SHEET
C-5.3

20 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

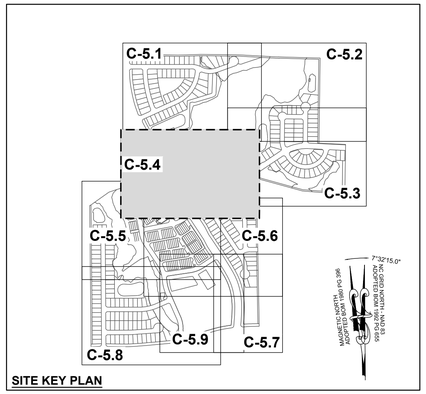
7°32'15.0"

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-5.0 FOR LEGEND, LINE & CURVE TABLES.

MATCH LINE
FOR CONTINUATION, SEE C-5.1

MATCH LINE
FOR CONTINUATION, SEE C-5.3

MATCH LINE
FOR CONTINUATION, SEE C-5.5

STREAM A "HARRIS CREEK"

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

BRIDGE

RET. WALL BY OTHERS (TYP.)

PHASE LINE (TYP.)

JONESVILLE RD
100' R/W

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

SCM #3
WET POND
43,031 SF
0.99 AC

UNPLUGGED AVENUE
50' PUBLIC R/W

SCM #7
WET POND
39,329 SF
0.90 AC

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

AMENITY CENTER
1.51 AC

GREENWAY
(898 LF)

0.2% ANNUAL CHANCE FLOOD HAZARD

SCM MAINTENANCE EASEMENT

GREENWAY TRAIL

10.0' BERM

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE & ACCESS EASEMENT

30.0' SANITARY SEWER EASEMENT

PROPOSED OVERHEAD POWER RELOCATION

35.0' COMBINED UTILITY EASEMENT (TYP.)

STREET YARD BUFFER

WHEELCHAIR RAMPS (TYP.)

SIDE PATH

CROSSWALK (TYP.)

SIDEWALK

10'x70' SIGHT DISTANCE TRIANGLES

PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT

TYPE II PERIMETER BUFFER

STREAM E

GENERIC WOODEN PRIVACY FENCE 6' TALL

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 IV

DRAWING SHEET
C-5.4

21 OF 82

PROGRESS PLOT DATE: 12/13/2024

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

SITE KEY PLAN

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

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

MAGNETIC NORTH ADOPTED BOM 1980 PG 396
7°32'15.0"
NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 555

MATCH LINE
FOR CONTINUATION, SEE C-5.4

UNPLUGGED AVENUE
50' PUBLIC R/W

JONESVILLE RD
100' R/W

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

SCM #7
WET POND
39,329 SF
0.90 AC

SCM #8
WET POND
16,676 SF
0.38 AC

POCKET PARK II
0.38 AC

POCKET PARK I
0.70 AC

GREENWAY
(1,808 LF)

GREENWAY
(439 LF)

EXISTING DRAINED POND

KENNETH INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA

MATCH LINE
FOR CONTINUATION, SEE C-5.8

TOWNHOME NOTES:

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP-V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP-V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP-V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP-V6-23-03	11/01/2024	SREG

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

NGROCK
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 V

DRAWING SHEET
C-5.5

22 OF 82

PROGRESS PLOT DATE: 12/13/2024

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

10'X70' SIGHT DISTANCE TRIANGLE

LIGHTNING BOLT LANE
62' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

AMENITY CENTER
1.51 AC
AMENITY CENTER
SEPARATE SITE DEVELOPMENT PLAN
PRIOR TO DEVELOPMENT

GIGATON STREET
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

20.0' PRIVATE DRAINAGE EASEMENT

5.0' SIDEWALK

RET. WALL BY OTHERS (TYP.)

MAIL KIOSK

POCKET PARK II
0.38 AC

MCCREADY COURT
50' PUBLIC R/W

10'X70' SIGHT DISTANCE TRIANGLES

PEARL JAM ALLEY
20' PUBLIC R/W

PROPOSED OVERHEAD POWER RELOCATION

DARK MATTER ALLEY
20' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-5.5

CAMERON SOUND ALLEY
20' PUBLIC R/W

POCKET PARK I
0.70 AC

10.0' GREENWAY

BUFFER ZONE 2 (TYP.)

BUFFER ZONE 1 (TYP.)

STREAM G

TRAIL HEAD

WETLD

TP

BETTERMAN DRIVE
50' PUBLIC R/W

WHEELCHAIR RAMPS (TYP.)

SCM #2
WET POND
33,807 SF
0.78 AC

PLAZA
0.46 AC

SCM MAINTENANCE EASEMENT

OCEANS COURT
50' PUBLIC R/W

FUTURE COMMERCIAL
LOT 1
BLOCK A
8.48 AC

JONESVILLE RD
100' R/W

MATCH LINE
FOR CONTINUATION, SEE C-5.7

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

10'X70' SIGHT DISTANCE TRIANGLES

30.0' STREET YARD BUFFER

MONKEYWRENCH STREET
50' PUBLIC R/W

RET.WALL BY OTHERS (TYP.)

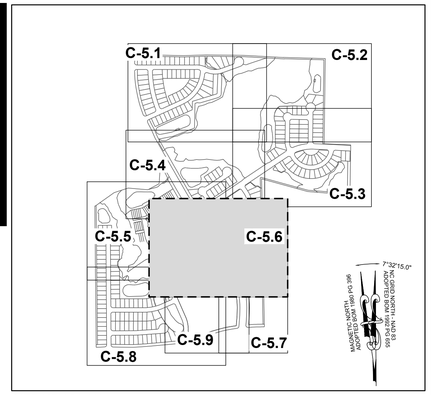
15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

CRICKET PITCH
1.68 AC



SITE KEY PLAN

LEGEND:

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

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

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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V5-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

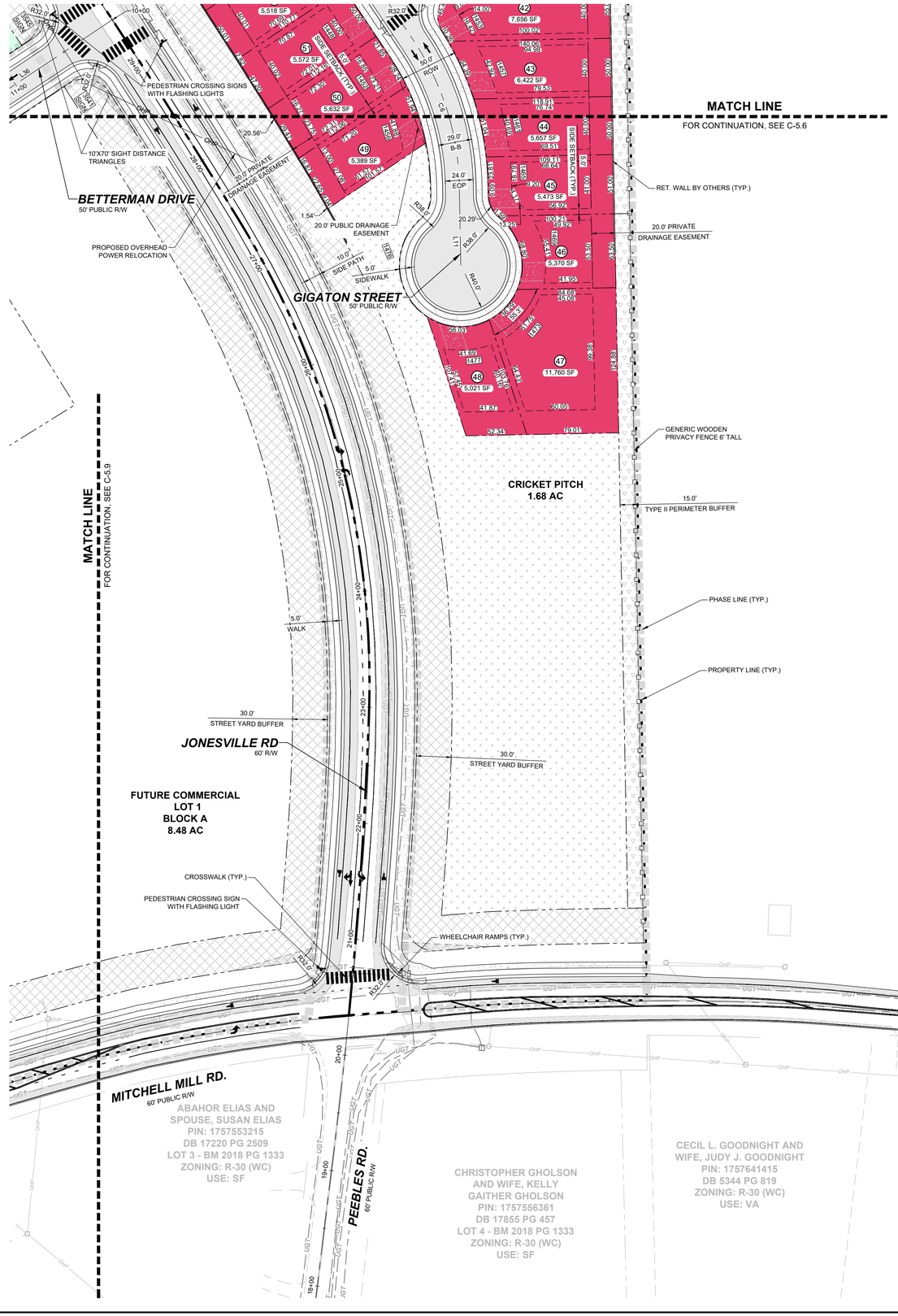
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PARTIAL SITE PLAN VI

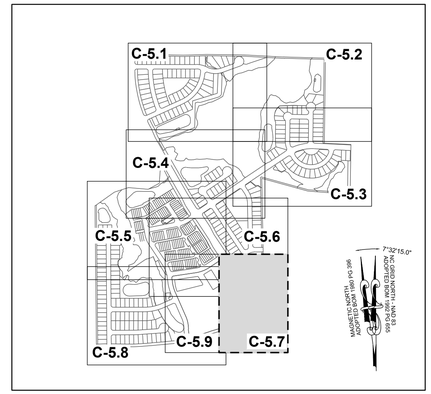
DRAWING SHEET
C-5.6

23 OF 82

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

PROGRESS PLOT DATE: 12/13/2024





SITE KEY PLAN

LEGEND:

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

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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 VII

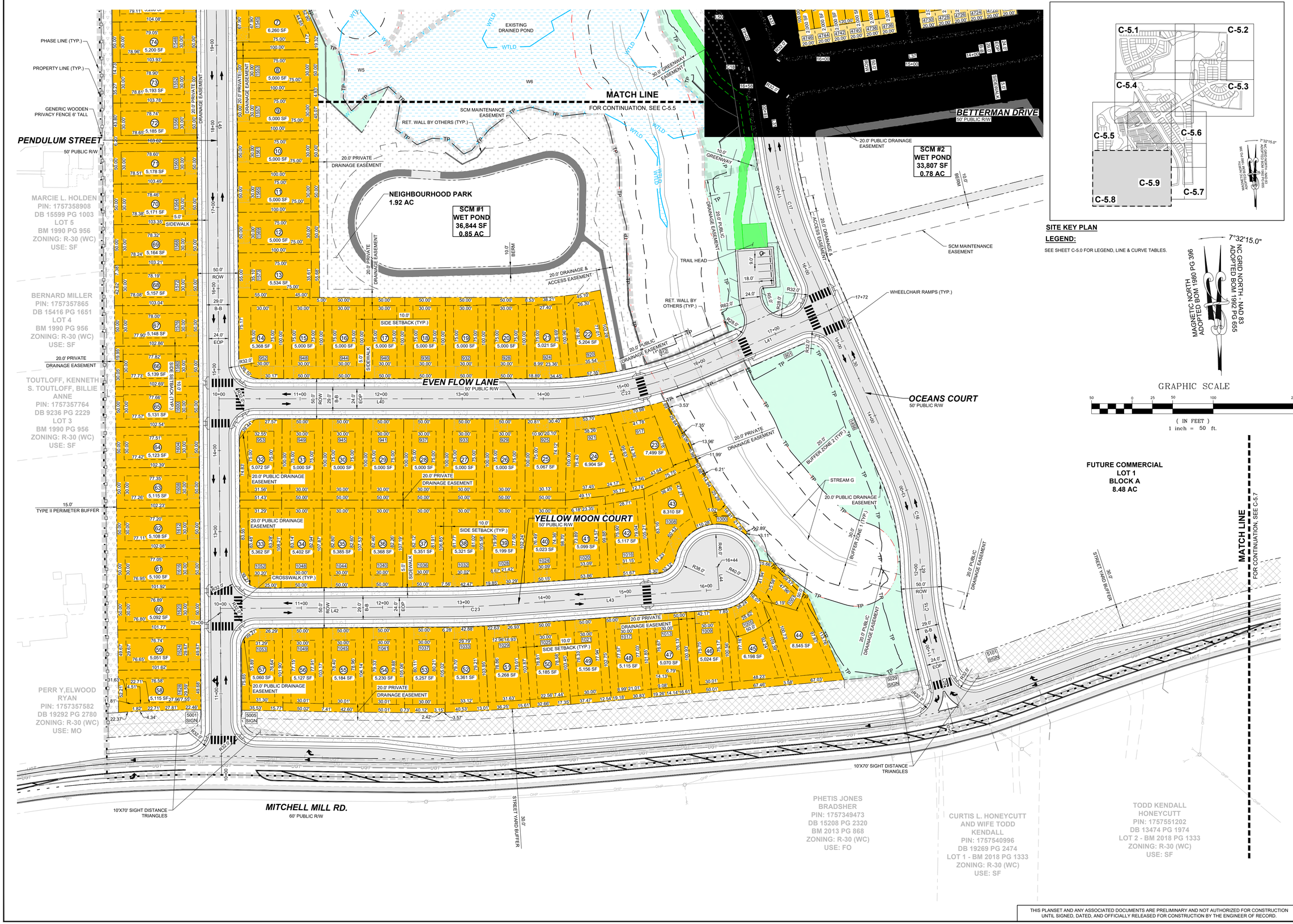
DRAWING SHEET

C-5.7

24 OF 82

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

PROGRESS PLOT DATE: 12/13/2024



SITE KEY PLAN

LEGEND:

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

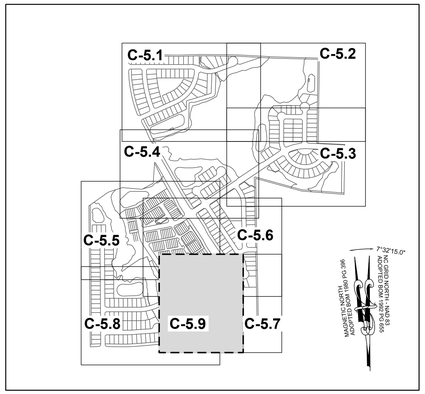
PARTIAL SITE PLAN VIII

DRAWING SHEET

C-5.8

25 OF 82

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.



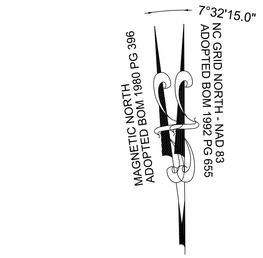
SITE KEY PLAN

LEGEND:

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

TOWNHOME NOTES:

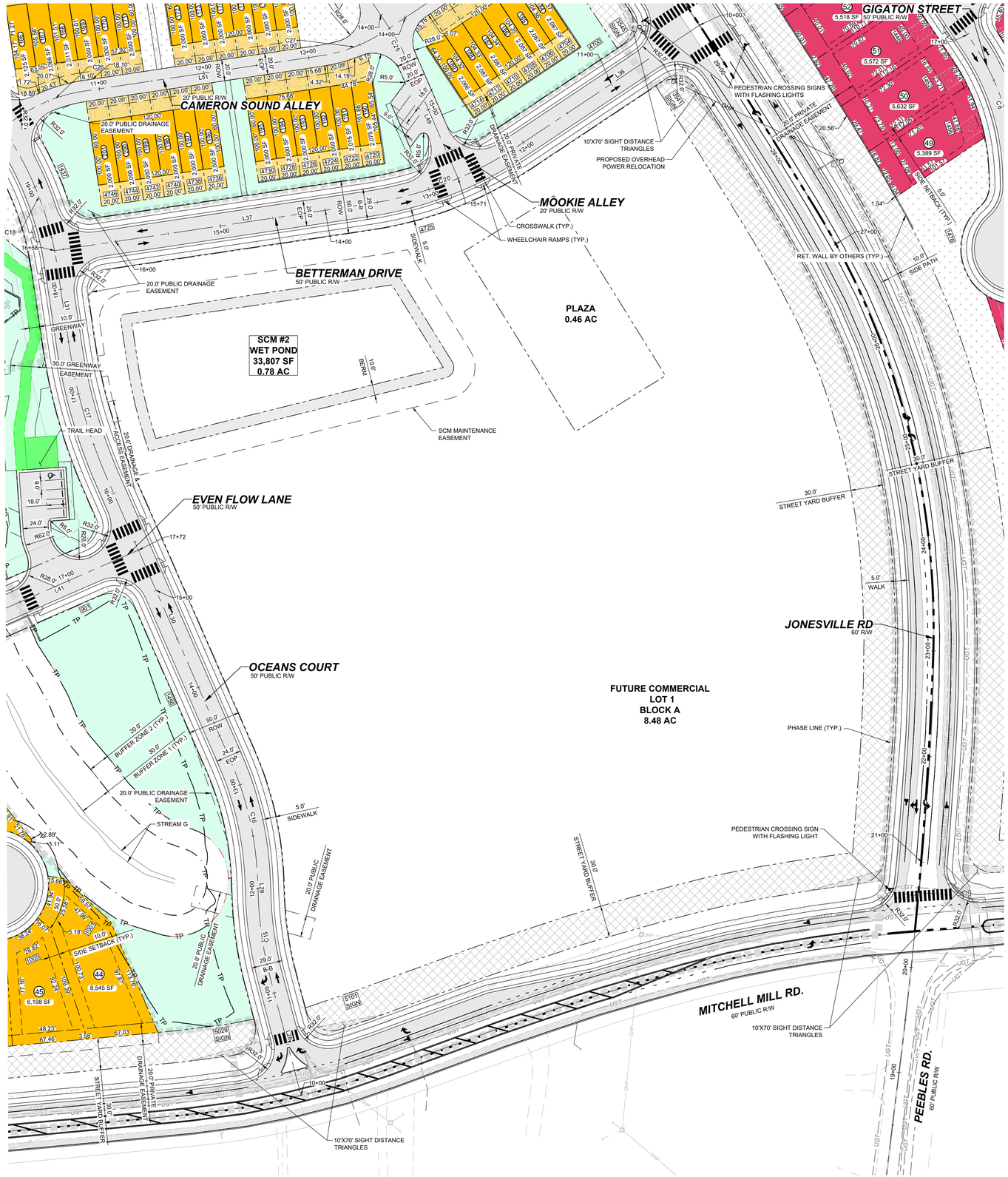
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 IX

DRAWING
SHEET

C-5.9

26 OF 82

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.

DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
3	5,000	FRONT: 50' DEPTH: 100'
4	5,000	FRONT: 50' DEPTH: 100'
5	5,000	FRONT: 50' DEPTH: 100'
6	5,703	FRONT: 68' DEPTH: 100'
7	6,260	FRONT: 68' 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	5,000	FRONT: 50' DEPTH: 100'
13	5,534	FRONT: 55' DEPTH: 100'
14	5,368	FRONT: 53' 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	5,000	FRONT: 50' DEPTH: 100'
21	5,021	FRONT: 52' DEPTH: 100'
22	5,204	FRONT: 55' DEPTH: 101'
23	7,499	FRONT: 74' DEPTH: 100'
24	6,904	FRONT: 58' DEPTH: 101'
25	5,067	FRONT: 51' DEPTH: 101'
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	5,000	FRONT: 50' DEPTH: 100'
32	5,072	FRONT: 50' DEPTH: 100'
33	5,362	FRONT: 50' DEPTH: 108'
34	5,402	FRONT: 50' DEPTH: 108'
35	5,385	FRONT: 50' DEPTH: 108'
36	5,368	FRONT: 50' DEPTH: 107'
37	5,351	FRONT: 50' DEPTH: 107'
38	5,321	FRONT: 50' DEPTH: 106'
39	5,199	FRONT: 50' DEPTH: 106'
40	5,023	FRONT: 50' DEPTH: 102'
41	5,099	FRONT: 53' DEPTH: 100'
42	5,117	FRONT: 51' DEPTH: 105'
43	8,310	FRONT: 132' DEPTH: 105'
44	8,545	FRONT: 50' DEPTH: 174'

DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
45	6,198	FRONT: 50' DEPTH: 125'
46	5,024	FRONT: 50' DEPTH: 101'
47	5,070	FRONT: 50' DEPTH: 102'
48	5,115	FRONT: 50' DEPTH: 103'
49	5,156	FRONT: 50' DEPTH: 103'
50	5,185	FRONT: 50' DEPTH: 104'
51	5,268	FRONT: 50' DEPTH: 104'
52	5,361	FRONT: 50' DEPTH: 105'
53	5,257	FRONT: 50' DEPTH: 105'
54	5,230	FRONT: 50' DEPTH: 105'
55	5,184	FRONT: 50' DEPTH: 104'
56	5,127	FRONT: 50' DEPTH: 103'
57	5,060	FRONT: 51' DEPTH: 102'
58	5,115	FRONT: 50' DEPTH: 102'
59	5,051	FRONT: 50' DEPTH: 102'
60	5,092	FRONT: 50' DEPTH: 102'
61	5,100	FRONT: 50' DEPTH: 102'
62	5,108	FRONT: 50' DEPTH: 102'
63	5,115	FRONT: 50' DEPTH: 102'
64	5,123	FRONT: 50' DEPTH: 103'
65	5,131	FRONT: 50' DEPTH: 103'
66	5,139	FRONT: 50' DEPTH: 103'
67	5,148	FRONT: 50' DEPTH: 103'
68	5,157	FRONT: 50' DEPTH: 103'
69	5,164	FRONT: 50' DEPTH: 103'
70	5,171	FRONT: 50' DEPTH: 103'
71	5,178	FRONT: 50' DEPTH: 104'
72	5,185	FRONT: 50' DEPTH: 104'
73	5,193	FRONT: 50' DEPTH: 104'
74	5,200	FRONT: 50' DEPTH: 104'
75	5,208	FRONT: 50' DEPTH: 104'
76	5,215	FRONT: 50' DEPTH: 104'
77	5,223	FRONT: 50' DEPTH: 105'
78	5,230	FRONT: 50' DEPTH: 105'
79	5,238	FRONT: 50' DEPTH: 105'
82	6,236	FRONT: 60' DEPTH: 105'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
1	5,799	FRONT: 53' DEPTH: 110'
2	5,461	FRONT: 55' DEPTH: 110'
3	5,051	FRONT: 56' DEPTH: 102'
4	5,748	FRONT: 50' DEPTH: 123'
5	5,000	FRONT: 50' DEPTH: 100'
6	5,000	FRONT: 50' DEPTH: 100'
7	5,000	FRONT: 50' DEPTH: 100'
8	5,040	FRONT: 52' DEPTH: 103'
9	5,122	FRONT: 51' DEPTH: 112'
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	5,000	FRONT: 50' DEPTH: 100'
15	5,565	FRONT: 59' DEPTH: 100'
16	5,440	FRONT: 55' DEPTH: 100'
17	5,000	FRONT: 50' DEPTH: 100'
18	5,001	FRONT: 50' DEPTH: 100'
19	5,039	FRONT: 50' DEPTH: 102'
20	5,113	FRONT: 50' DEPTH: 103'
21	5,075	FRONT: 50' DEPTH: 103'
22	5,000	FRONT: 50' DEPTH: 100'
23	5,000	FRONT: 50' DEPTH: 100'
24	5,000	FRONT: 50' DEPTH: 100'
25	5,000	FRONT: 50' DEPTH: 100'
26	7,374	FRONT: 99' DEPTH: 100'
27	13,548	FRONT: 175' DEPTH: 130'
28	6,061	FRONT: 65' DEPTH: 101'
29	7,176	FRONT: 51' DEPTH: 126'
30	6,707	FRONT: 51' DEPTH: 126'
31	5,680	FRONT: 51' DEPTH: 107'
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	5,000	FRONT: 50' DEPTH: 100'
41	5,356	FRONT: 54' DEPTH: 100'
42	7,656	FRONT: 46' DEPTH: 140'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
43	6,422	FRONT: 54' DEPTH: 140'
44	5,657	FRONT: 51' DEPTH: 119'
45	5,473	FRONT: 56' DEPTH: 109'
46	5,370	FRONT: 66' DEPTH: 100'
47	11,760	FRONT: 62' DEPTH: 104'
48	5,021	FRONT: 53' DEPTH: 107'
49	5,389	FRONT: 52' DEPTH: 108'
50	5,632	FRONT: 50' DEPTH: 112'
51	5,572	FRONT: 50' DEPTH: 112'
52	5,518	FRONT: 50' DEPTH: 111'
53	5,481	FRONT: 50' DEPTH: 110'
54	5,466	FRONT: 50' DEPTH: 109'
55	5,457	FRONT: 50' DEPTH: 109'
56	5,450	FRONT: 50' DEPTH: 109'
57	5,449	FRONT: 50' DEPTH: 109'
58	5,453	FRONT: 50' DEPTH: 109'
59	5,282	FRONT: 50' DEPTH: 109'
60	5,070	FRONT: 50' DEPTH: 109'
61	5,021	FRONT: 50' DEPTH: 105'
62	5,013	FRONT: 50' DEPTH: 100'
63	5,432	FRONT: 55' DEPTH: 100'
64	5,000	FRONT: 50' DEPTH: 100'
65	5,000	FRONT: 50' DEPTH: 100'
66	6,595	FRONT: 92' DEPTH: 124'
67	6,898	FRONT: 75' DEPTH: 124'
68	5,505	FRONT: 50' DEPTH: 110'
69	5,500	FRONT: 50' DEPTH: 110'
70	5,500	FRONT: 50' DEPTH: 110'
71	5,500	FRONT: 50' DEPTH: 110'
72	5,587	FRONT: 50' DEPTH: 115'
73	5,161	FRONT: 51' DEPTH: 115'
74	7,143	FRONT: 50' DEPTH: 100'
75	5,755	FRONT: 50' DEPTH: 100'
76	5,056	FRONT: 69' DEPTH: 100'
77	5,005	FRONT: 50' DEPTH: 100'
78	5,000	FRONT: 50' DEPTH: 100'
79	6,325	FRONT: 78' DEPTH: 100'
80	8,057	FRONT: 68' DEPTH: 101'
81	10,300	FRONT: 61' DEPTH: 101'
82	6,284	FRONT: 60' DEPTH: 100'
83	5,467	FRONT: 58' DEPTH: 114'
84	5,697	FRONT: 50' DEPTH: 114'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
85	5,694	FRONT: 50' DEPTH: 114'
86	5,691	FRONT: 50' DEPTH: 114'
87	5,688	FRONT: 50' DEPTH: 114'
88	5,684	FRONT: 50' DEPTH: 114'
89	5,681	FRONT: 50' DEPTH: 114'
90	5,203	FRONT: 50' DEPTH: 104'
91	5,206	FRONT: 50' DEPTH: 104'
92	5,206	FRONT: 50' DEPTH: 104'
93	5,206	FRONT: 50' DEPTH: 104'
94	5,592	FRONT: 54' DEPTH: 104'
95	5,592	FRONT: 54' DEPTH: 104'
96	5,206	FRONT: 50' DEPTH: 104'
97	5,206	FRONT: 50' DEPTH: 104'
98	5,206	FRONT: 50' DEPTH: 104'
99	5,203	FRONT: 50' DEPTH: 104'
100	5,359	FRONT:63' 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	5,100	FRONT: 57' DEPTH: 110'
107	5,360	FRONT: 69' DEPTH: 110'
108	5,753	FRONT: 50' DEPTH: 115'
109	5,790	FRONT: 50' DEPTH: 115'
110	5,753	FRONT: 53' DEPTH: 110'
111	5,866	FRONT: 50' DEPTH: 100'
112	5,490	FRONT: 50' DEPTH: 100'
113	5,545	FRONT: 50' DEPTH: 100'
114	5,517	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'
121	5,545	FRONT: 50' DEPTH: 100'
122	5,515	FRONT: 50' DEPTH: 100'
123	5,845	FRONT: 59' DEPTH: 100'
124	7,066	FRONT: 52' DEPTH: 110'
125	5,000	FRONT: 50' DEPTH: 100'
126	5,000	FRONT: 50' DEPTH: 100'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
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	5,196	FRONT: 50' DEPTH: 100'
133	5,709	FRONT: 50' DEPTH: 100'
134	7,801	FRONT: 59' DEPTH: 102'
135	9,707	FRONT: 59' DEPTH: 152'
136	7,674	FRONT: 59' DEPTH: 131'
137	8,151	FRONT: 81' DEPTH: 109'
138	11,203	FRONT: 50' DEPTH: 236'
139	13,113	FRONT: 90' DEPTH: 277'
140	6,857	FRONT: 66' DEPTH: 108'
141	6,523	FRONT: 55' DEPTH: 129'
142	10,038	FRONT: 54' DEPTH: 170'
143	11,353	FRONT: 64' DEPTH: 170'
144	7,101	FRONT: 70' DEPTH: 118'
145	5,191	FRONT: 55' DEPTH: 98'
146	5,010	FRONT: 54' DEPTH: 94'
147	5,005	FRONT: 55' DEPTH: 92'
148	5,045	FRONT: 56' DEPTH: 91'
149	5,047	FRONT: 55' DEPTH: 92'
150	5,031	FRONT: 54' DEPTH: 93'
151	5,029	FRONT: 53' DEPTH: 95'
152	5,014	FRONT: 53' DEPTH: 96'
153	5,023	FRONT: 52' DEPTH: 97'
154	5,021	FRONT: 52' DEPTH: 98'
155	5,033	FRONT: 51' DEPTH: 99'
156	5,036	FRONT: 51' DEPTH: 100'
157	5,074	FRONT: 52' DEPTH: 101'
158	7,319	FRONT: 59' DEPTH: 120'
159	6,614	FRONT: 53' DEPTH: 121'
160	6,630	FRONT: 53' DEPTH: 121'
161	6,616	FRONT: 53' DEPTH: 121'
162	6,622	FRONT: 53' DEPTH: 121'
163	6,635	FRONT: 53' DEPTH: 121'
164	6,645	FRONT: 53' DEPTH: 121'
165	6,387	FRONT: 51' DEPTH: 122'
166	7,431	FRONT: 58' DEPTH: 122'
167	6,292	FRONT: 61' DEPTH: 110'
168	5,464	FRONT: 51' DEPTH: 110'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
169	5,910	FRONT: 55' DEPTH: 100'
170	5,908	FRONT: 55' DEPTH: 100'
171	5,908	FRONT: 55' DEPTH: 100'
172	5,908	FRONT: 55' DEPTH: 100'
173	5,909	FRONT: 55' DEPTH: 100'
174	6,280	FRONT: 60' DEPTH: 110'
175	5,454	FRONT: 56' DEPTH: 101'
176	5,000	FRONT: 50' DEPTH: 100'
177	5,000	FRONT: 50' DEPTH: 100'
178	5,000	FRONT: 50' DEPTH: 100'
179	5,000	FRONT: 50' DEPTH: 100'
180	5,000	FRONT: 50' DEPTH: 100'
181	5,000	FRONT: 50' DEPTH: 100'
182	6,401	FRONT: 69' DEPTH: 100'
183	5,000	FRONT: 55' DEPTH: 100'
184	5,000	FRONT: 55' DEPTH: 100'
185	5,000	FRONT: 55' DEPTH: 100'
186	5,000	FRONT: 55' DEPTH: 100'
187	5,000	FRONT: 54' DEPTH: 100'
188	5,000	FRONT: 50' DEPTH: 100'
189	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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

27 OF 82

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 1984 "A" SLAB	PLAN 2097 "A" SLAB
1	SINGLE FAMILY 50' WIDE					
2	SINGLE FAMILY 50' WIDE					
3	SINGLE FAMILY 50' WIDE					
4	SINGLE FAMILY 50' WIDE					
5	SINGLE FAMILY 50' WIDE					
6	SINGLE FAMILY 50' WIDE	X	X	X	X	X
7	SINGLE FAMILY 50' WIDE	X	X	X	X	X
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					
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					
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 1984 "A" SLAB	PLAN 2097 "A" SLAB
42	SINGLE FAMILY 50' WIDE					
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					
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					
80	SINGLE FAMILY 50' WIDE					
81	SINGLE FAMILY 50' WIDE					
82	SINGLE FAMILY 50' WIDE					
83	SINGLE FAMILY 51' WIDE					

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 - NC ZONE

DRAWING SHEET

C-5.11

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 1984 "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	X	X	X	X	X
8	SINGLE FAMILY 50' WIDE					
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	X	X	X	X	X
26	SINGLE FAMILY 50' WIDE					
27	SINGLE FAMILY 50' WIDE	X	X	X	X	X
28	SINGLE FAMILY 50' WIDE	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	X	X	X	X	X
46	SINGLE FAMILY 50' WIDE					
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 1984 "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	X	X	X	X	X
73	SINGLE FAMILY 50' WIDE					
74	SINGLE FAMILY 50' WIDE	X	X	X	X	X
75	SINGLE FAMILY 50' WIDE					
76	SINGLE FAMILY 50' WIDE					
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	
81	SINGLE FAMILY 50' WIDE	X	X	X	X	X
82	SINGLE FAMILY 50' WIDE	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	X	X	X	X	X
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					
108	SINGLE FAMILY 50' WIDE	X	X	X	X	X
109	SINGLE FAMILY 50' WIDE	X	X	X	X	X
110	SINGLE FAMILY 50' WIDE	X				
111	SINGLE FAMILY 50' WIDE					
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	X	X	X	X	X
124	SINGLE FAMILY 50' WIDE					
125	SINGLE FAMILY 50' WIDE					
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 1984 "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	X	X	X	X	X
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	X	X	X	X	X
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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 - RM ZONE

DRAWING SHEET

C-5.12

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

PROGRESS PLOT DATE: 12/13/2024

NC-CZ LAND USE CHART					
	UDO SECTION	REQUIRED		PROPOSED	
		SF	AC	SF	AC
TOTAL AREA				2,355,725	54.08
< 75% RESIDENTIAL USE REQUIREMENT	6.2.1.D.2	1,649,008	37.86 % (<75%)	1,072,062	24.61 (45.5%)
15% COMMERICAL USE REQUIREMENT	3.4.3.D.1	353,359	8.11% (15%)	369,542	8.48 (15.7%)
15% OPEN SPACE REQUIREMENT	6.2.1.D.1	353,359	8.11% (15%)	887,346	20.37 (37.7%)

NC-CZ OPEN SPACE BREAKDOWN						
					ACTUAL	
					SF	AC
TOTAL PROPERTY AREA	PHASE 4				797,972	18.32
	PHASE 5				727,802	16.71
	PHASE 6				829,951	19.05
	TOTAL NC-CZ AREA				**2,355,725**	**54.08**
			REQUIRED		PROPOSED	
OPEN SPACE	SECTION 6.2.1.D.2	**PHASE 4**	119,696	2.75	344,530	7.91
		PHASE 5	109,170	2.51	344,217	7.90
		PHASE 6	124,493	2.86	198,599	4.56
		TOTAL	**353,359**	**8.11 (15%)**	**887,346**	**20.37 (37.7%)**

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- OPEN SPACE
- COMMERCIAL ZONE
- WTLD — EXISTING WETLAND

NOTES:

1. DETAILED DRAWINGS OF EACH AMENITY, THAT SHOWS COMPLIANCE WITH 6.2.1.G.5 AND 6.2.1.G.6, WILL BE PROVIDED IN A SUBSEQUENT SITE PLAN SUBMITTAL
2. DETAILED DRAWINGS OF THE COMMERCIAL AREA WILL BE PROVIDED IN A SUBSEQUENT SITE PLAN SUBMITTAL

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

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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
OVERALL OPEN SPACE NC-CZ

DRAWING SHEET
C-6.0

30 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

NC-CZ PASSIVE AND ACTIVE OPEN SPACE CALCULATIONS						
			REQUIRED		PROPOSED	
			SF	AC	SF	AC
TOTAL PROPERTY AREA		PHASE 4			797,972	18.32
		PHASE 5			727,802	16.71
		PHASE 6			829,951	19.05
		TOTAL NC-CZ AREA			2,355,725	54.08
PASSIVE OPEN SPACE PER PHASE "POS"		SECTION 6.2.1.D.2	353,359	8.11	470,661	10.80
PHASE 4						
POS 1	30' THOROUGHFARE BUFFER	SECTION 6.2.2.2.D.1			39,885	0.92
POS 2	GREENWAY				2,981	0.07
POS 3	NATURAL WETLAND/BUFFERS				264,175	6.06
PHASE 5						
POS 4	30' THOROUGHFARE BUFFER	SECTION 6.2.2.2.D.1			32,607	0.75
POS 5	GREENWAY				49,397	1.13
POS 6	NATURAL WETLAND				17,299	0.40
PHASE 6						
POS 7	PERIMETER 15' TYPE 2 BUFFER	SECTION 6.2.2.1.F.2			22,524	0.52
POS 8	30' THOROUGHFARE BUFFER	SECTION 6.2.2.2.D.1			28,274	0.65
POS 9	GREENWAY				13,518	0.31
POS 10	NATURAL BUFFERS				1,547	0.04
ACTIVE OPEN SPACE "AS"		SECTION 6.2.1.G.12	176,679	4.06	183,753	4.22
PHASE 4						
AS 1	SMALL 1: COMMERCIAL PLAZA				20,000	0.46
PHASE 5						
AS 2	MEDIUM 1: BASKETBALL COURT				33,133	0.76
AS 3	SMALL 2: TOWNHOUSE POCKET PARK I				30,545	0.70
AS 4	SMALL 3: TOWNHOUSE POCKET PARK II				16,362	0.38
PHASE 6						

"POS": PASSIVE OPEN SPACE
"AS": ACTIVE (OPEN) SPACE

NOTES:

* DETAILED DRAWINGS OF EACH AMENITY, THAT SHOWS COMPLIANCE WITH SUBSECTIONS 5 AND 6, WILL BE PROVIDED IN A LATER CD SUBMITTAL

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- PROPOSED ACTIVE OPEN SPACE
- PROPOSED PASSIVE OPEN SPACE
- WTLD — EXISTING WETLAND

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396
NC GRID NORTH - NAD 83
ADOPTED BOM 1982 PG 855

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

PASSIVE & ACTIVE OPEN SPACE
NC-CZ ZONE

DRAWING SHEET
C-6.1

31 OF 82

LEGEND:

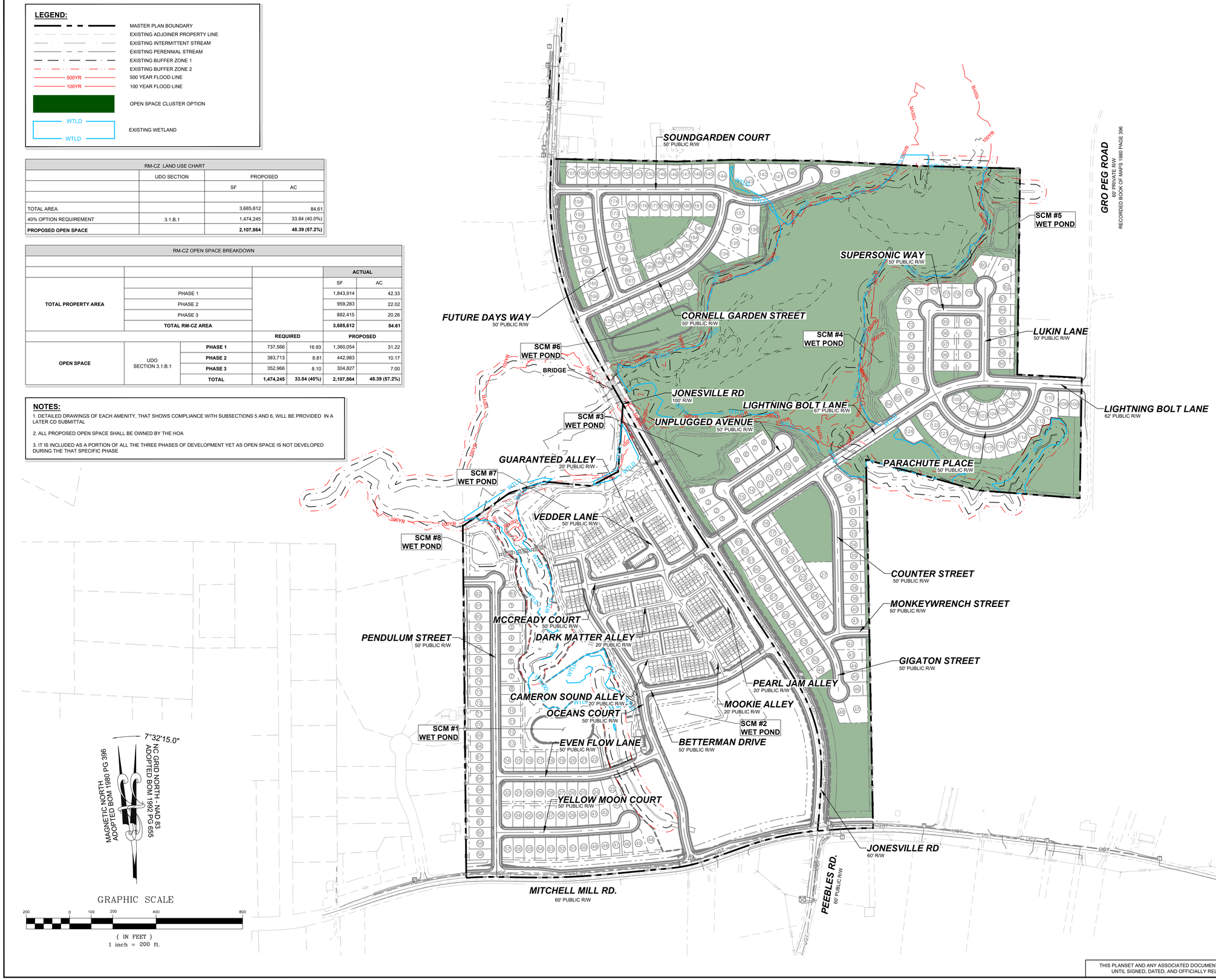
- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- OPEN SPACE CLUSTER OPTION
- WTLD — EXISTING WETLAND

RM-CZ LAND USE CHART			
	UDO SECTION	PROPOSED	
		SF	AC
TOTAL AREA		3,685,612	84.61
40% OPTION REQUIREMENT	3.1.B.1	1,474,245	33.84 (40.0%)
PROPOSED OPEN SPACE		**2,107,864**	**48.39 (57.2%)**

RM-CZ OPEN SPACE BREAKDOWN						
					ACTUAL	
					SF	AC
TOTAL PROPERTY AREA	PHASE 1				1,843,914	42.33
	PHASE 2				959,283	22.02
	PHASE 3				882,415	20.26
	TOTAL RM-CZ AREA				**3,685,612**	**84.61**
			REQUIRED		**PROPOSED**	
OPEN SPACE	UDO SECTION 3.1.B.1	**PHASE 1**	737,566	16.93	1,360,054	31.22
		PHASE 2	383,713	8.81	442,983	10.17
		PHASE 3	352,966	8.10	304,827	7.00
		TOTAL	**1,474,245**	**33.84 (40%)**	**2,107,864**	**48.39 (57.2%)**

NOTES:

1. DETAILED DRAWINGS OF EACH AMENITY, THAT SHOWS COMPLIANCE WITH SUBSECTIONS 5 AND 6, WILL BE PROVIDED IN A LATER CD SUBMITTAL
2. ALL PROPOSED OPEN SPACE SHALL BE OWNED BY THE HOA
3. IT IS INCLUDED AS A PORTION OF ALL THE THREE PHASES OF DEVELOPMENT YET AS OPEN SPACE IS NOT DEVELOPED DURING THE THAT SPECIFIC PHASE



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

OVERALL OPEN SPACE RM-CZ

DRAWING SHEET
C-6.2

32 OF 82

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.

RM-CZ PASSIVE AND ACTIVE OPEN SPACE CALCULATIONS							
			REQUIRED			PROPOSED	
			SF	AC	PERCENT	SF	AC
TOTAL PROPERTY AREA		PHASE 1				1,843,914	42.33
		PHASE 2				959,283	22.02
		PHASE 3				882,415	20.26
		TOTAL RM-CZ AREA				**3,685,612**	**84.61**
OPEN SPACE							
PASSIVE		6.2.1.D.1	442,273	10.15	**12%**		
ACTIVE		6.2.1.G.12	221,137	5.08	**6%**		
PASSIVE OPEN SPACE PER PHASE "POS"							
PHASE 1							
POS 1	GREENWAY					26,891	0.62 (0.7%)
POS 2	NATURAL AREAS					1,023,711	23.36 (27.6%)
PHASE 2							
POS 3	GREENWAY					48,030	1.10 (1.3%)
POS 4	LAWN AND NATURAL AREA					39,881	0.92 (1.1%)
POS 5	LAWN AND NATURAL AREA					36,042	0.83 (1.0%)
PHASE 3							
POS 6	POLLINATOR GARDEN					79,675	1.83 (2.2%)
POS 7	PRIMITIVE TRAIL					67,570	1.55 (1.8%)
TOTAL PROPOSED PASSIVE OPEN SPACE		SECTION 6.2.1.D.1	**442,273**	**10.15**	**12%**	**1,321,800**	**30.20 (35.7%)**
ACTIVE OPEN SPACE "AS"							
PHASE 1							
AS 1	CRICKET PITCH					73,374	1.68 (2.0%)
AS 2	AMENITY CENTER					65,780	1.51 (1.8%)
PHASE 2							
AS 3	SMALL IPEMA PLAYGROUND					9,855	0.23 (0.3%)
AS 4	PARKOUR COURSE					74,829	1.72 (2.0%)
PHASE 3							
AS 5	SMALL IPEMA PLAYGROUND					8,742	0.20 (0.2%)
AS 6	BALLFIELD					45,842	1.05 (1.2%)
TOTALS PHASES 1,2 & 3		SECTION 6.2.1.G.12	**221,173**	**5.08**	**6%**	**278,421**	**6.39 (7.6%)**

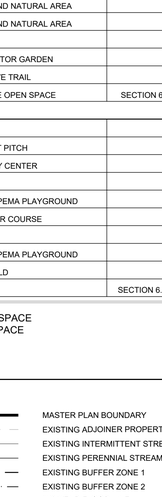
"POS": PASSIVE OPEN SPACE
"AS": ACTIVE (OPEN) SPACE

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- PASSIVE OPEN SPACE
- ACTIVE OPEN SPACE
- WTLD — EXISTING WETLAND

NOTES:

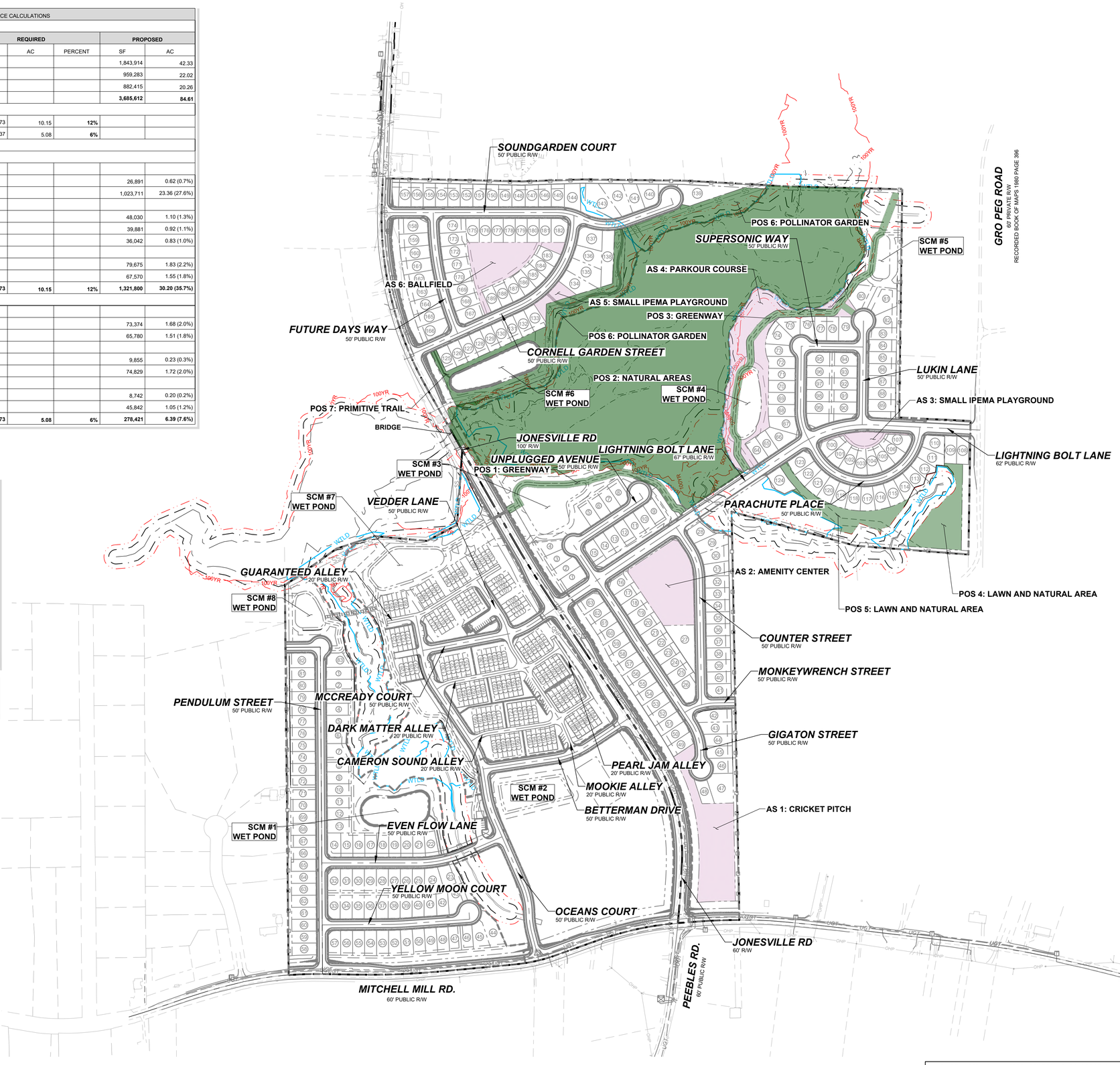
* DETAILED DRAWINGS OF EACH AMENITY, THAT SHOWS COMPLIANCE WITH SUBSECTIONS 5 AND 6, WILL BE PROVIDED IN A LATER CD SUBMITTAL.



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

PASSIVE & ACTIVE OPEN SPACE
RM-CZ ZONE

DRAWING SHEET
C-6.3

33 OF 82

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:

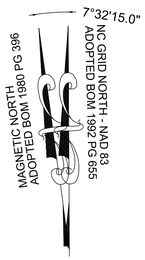
STANDARD UTILITY NOTES (AS APPLICABLE):

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
- CROSS
- BLOW OFF VALVE
- SANITARY MANHOLE





GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

NOTES:
SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-7.0

PROGRESS PLOT DATE: 12/13/2024

CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES
PIN: 1757484609
DB 2305 PG 673
ZONING: R-30 (WC)
USE: SF

BENJAMIN FERRELL
PIN: 1757485713
DB 1697 PG 465
ZONING: R-30 (WC)
USE: SF

ALESHIA FERRELL & ARRON WALKER
PIN: 1757486733
DB 6374 PG 89
BM 1996 PG 00524
ZONING: R-30 (WC)
USE: SF

15.0' TYPE II PERIMETER BUFFER

CHRIST HOLINESS CHURCH #1
PIN: 1757487783
DB 2928 PG 328
ZONING: R-30 (WC)
USE: CH

RET. WALL BY OTHERS (TYP.)

CHRIST HOLINESS CHURCH #1
PIN: 1757489733
DB 4321 PG 788
ZONING: R-30 (WC)
USE: VA

CHRIST HOLINESS CHURCH #1
PIN: 1757580764
DB 9467 PG 430
ZONING: R-30 (WC)
USE: VA

GENERIC WOODEN PRIVACY FENCE 6' TALL

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

PROPERTY LINE

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

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

SOUNDGARDEN COURT
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W
PRIMITIVE TRAIL

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

PROPOSED 12" DIP W/L

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

8" DIP W/L

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

FHA W/T 3'X6' CORWLE

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

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

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

8" 22.5° BEND

8" 11.25° BEND

SSMH #01 · SSMH #02 · SSMH #03 · SSMH #04 · SSMH #05 · SSMH #06 · SSMH #07 · SSMH #08 · SSMH #09 · SSMH #10 · SSMH #11 · SSMH #12 · SSMH #13 · SSMH #14 · SSMH #15 · SSMH #87 · SSMH #88 · SSMH #89

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 · P #86 · P #87 · P #88

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

8" BLOW OFF ASSEMBLY

DOG HOUSE SSMH #92

30.0' SANITARY SEWER EASEMENT

POLLINATOR GARDEN

BALLFIELD

SMALL IPEMA PLAYGROUND

SCM #6 WET POND

10.0' BERM

SCM MAINTENANCE EASEMENT

10.00' WIDE PRIVATE MULTI-USE PATHWAY

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

FOOD ZONE AE

FLOODZONE AE

FLOODWAY

100YR

BUFFER ZONE 1 (TYP.) 30.0'

BUFFER ZONE 2 (TYP.) 20.0'

30.0' STREET YARD BUFFER

20.0' DRAINAGE & ACCESS EASEMENT

PHASE LINE (TYP.)

30' SANITARY SEWER EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-7.4

MATCH LINE
FOR CONTINUATION, SEE C-7.2

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.

SITE KEY PLAN

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

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

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

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 I

DRAWING / SHEET
C-7.1

35 OF 82

PROGRESS PLOT DATE: 12/13/2024

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

TOWN OF ROLESVILLE 8" HARRIS CREEK INTERCEPTOR BM 1992 PG 655

30.0' EXISTING

8" BLOW OFF ASSEMBLY

SSMH #89

22+67

22+00

P #89

SS

30.0' SANITARY SEWER EASEMENT

DOG HOUSE SSMH #92

EX. SSMH #02

EX. SSMH #01

PROPERTY LINE

POLLINATOR GARDEN

MATCH LINE
FOR CONTINUATION, SEE C-7.1

STREAM A "HARRIS CREEK"

BUFFER ZONE 2 (TYP.)

30.0' BUFFER ZONE 1 (TYP.)

STREAM B

FOOD ZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

SCM MAINTENANCE EASEMENT

GENERIC WOODEN PRIVACY FENCE 6' TALL

RET. WALL BY OTHERS (TYP.)

10.0' GREENWAY TRAIL

SCM #5
WET POND

10.0' BERM

30.0' GREENWAY EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

20.0' SANITARY SEWER EASEMENT

10.0' GREENWAY

PHASE LINE (TYP.)

PARKOUR COURSE

20.0' PRIVATE DRAINAGE EASEMENT

SSMH #16

FHA W/T
3'X6' CORWLE

15.0' TYPE II
PERIMETER BUFFER

20.0' PRIVATE
DRAINAGE EASEMENT

8" 45° BEND

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

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

P #16

P #18

SSMH #19

SSMH #18

8" DIP W/L

20.0' PUBLIC
DRAINAGE EASEMENT

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

SUPERSONIC WAY
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-7.3

P #17

P #19

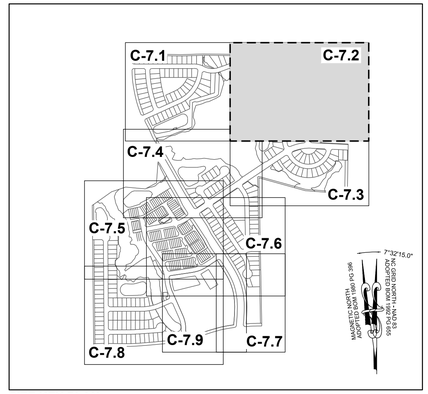
LUKIN LANE
50' PUBLIC R/W

SCM #4
WET POND

SSMH #17

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

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.



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

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.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK 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

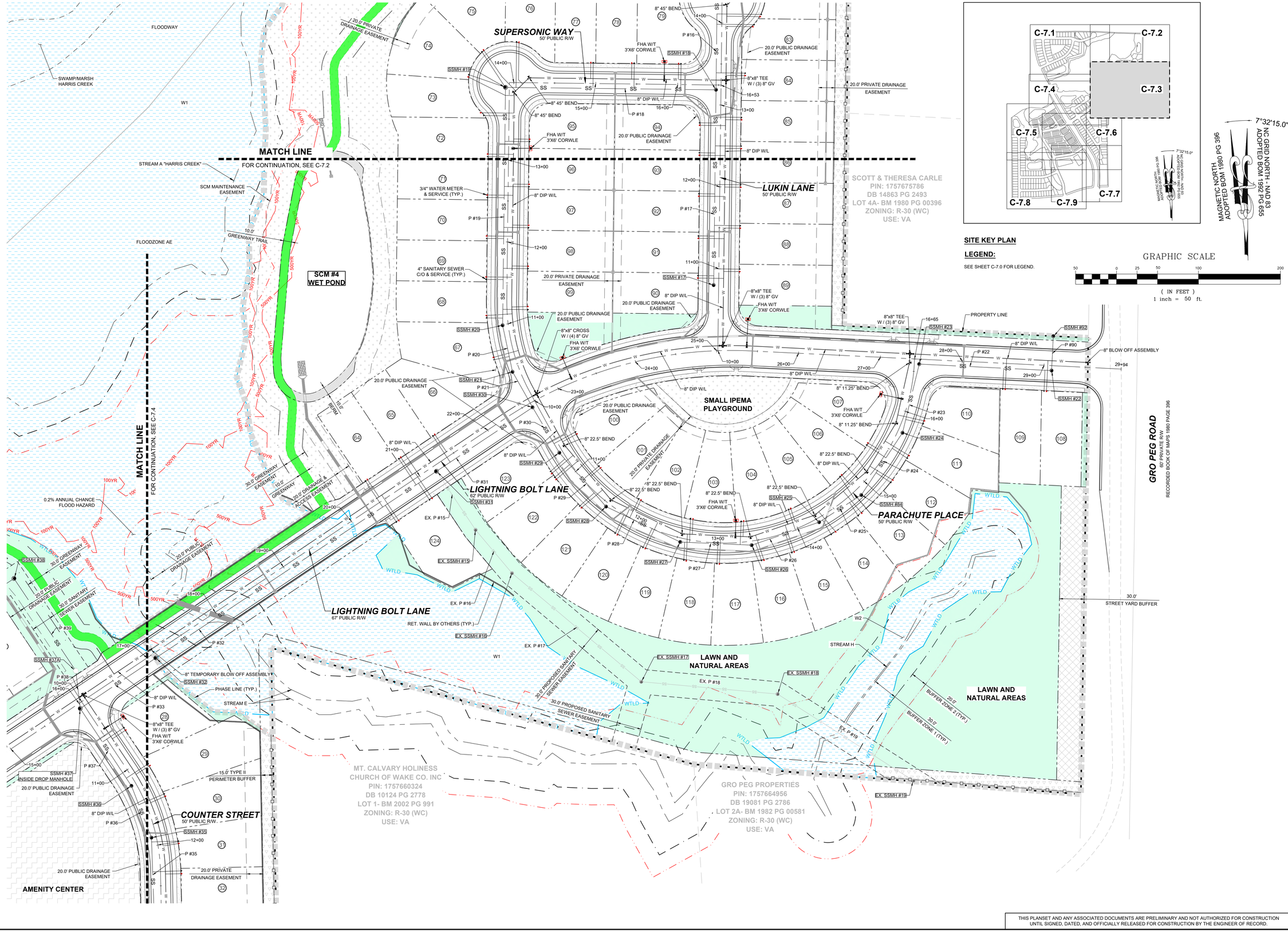
PARTIAL UTILITY PLAN II

DRAWING SHEET

C-7.2

36 OF 82

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 III

DRAWING SHEET

C-7.3

37 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

LEGEND:

SEE SHEET C-7.0 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.

SITE KEY PLAN

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

MATCH LINE
FOR CONTINUATION, SEE C-7.1

MATCH LINE
FOR CONTINUATION, SEE C-7.3

MATCH LINE
FOR CONTINUATION, SEE C-7.5

SSMH #87
30' SANITARY SEWER EASEMENT
EX. SSMH #07
SCM MAINTENANCE EASEMENT
P #86
EX. SSMH #08
EX. SSMH #09
45+00
44+00
43+00
42+00
41+00
40+00
39+00
38+00
37+00
36+00
30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)
FLOODZONE AE
STREAM A "HARRIS CREEK"
BRIDGE
W1
SWAMP/MARSH HARRIS CREEK
PROPOSED 12" DIP W/L
EX. SSMH #10
PHASE LINE (TYP.)
W2
FLOODWAY
PROPERTY LINE
RET. WALL BY OTHERS (TYP.)
FLOODZONE AE
SWAMP/MARSH HARRIS CREEK
EX. SSMH #11
SCM MAINTENANCE EASEMENT
EX. SSMH #13
P #78
EX. SSMH #12
SSMH #76
P #77
30.0' SANITARY SEWER EASEMENT
10.0' GREENWAY TRAIL
10.0' BERM
SCM #7 WET POND
SCM #3 WET POND
10.0' GREENWAY TRAIL
10.0' BERM
20.0' PUBLIC DRAINAGE EASEMENT
OHP
SS
W
WTLD
100YR
500YR
MAJOR

FLOODZONE AE
0.2% ANNUAL CHANCE FLOOD HAZARD
SCM MAINTENANCE EASEMENT
PROPOSED OVERHEAD POWER RELOCATION
8" BLOW OFF ASSEMBLY
30.0' STREET YARD BUFFER
8"x8" TEE W / (3) 8" GV
FHA W/T 3'X6' CORWLE
8" DIP W/L
15+30
15+00
14+00
12+61
12+00
13+00
11+00
SSMH #61
SSMH #62
P #63
P #64
P #62
8" 22.5° BEND
8"x8" TEE W / (3) 8" GV
SSMH #64
P #65
P #67
SSMH #74
20.0' DRAINAGE & ACCESS EASEMENT
30.0' SANITARY SEWER EASEMENT
GUARANTEED ALLEY
20' PUBLIC R/W
SCM MAINTENANCE EASEMENT
VEDDER LANE
50' PUBLIC R/W
8" DIP W/L
8" TEMPORARY BLOW OFF ASSEMBLY
12"x8" CROSS W / (2) 12" GV (2) 8" GV
SSMH #78
SSMH #47
P #47
P #48
P #46A
SSMH #46A
30.0' SANITARY SEWER EASEMENT
30.0' STREET YARD BUFFER
JONESVILLE RD
60' R/W
8" TEMPORARY BLOW OFF ASSEMBLY
8"x8" CROSS W / (4) 8" GV
8" DIP W/L
SSMH #45
P #41
11+00
10+00
35+00
GIGATON STREET
50' PUBLIC R/W
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
SSMH #46
8" 45° BEND
P #46
SSMH #45A
INSIDE DROP MANHOLE
LIGHTNING BOLT LANE
62' PUBLIC R/W
P #40A
12+00
13+00
SSMH #39
P #40
14+00
15+00
UNPLUGGED AVENUE
50' PUBLIC R/W
8" BLOW OFF ASSEMBLY
8" DIP W/L
3/4" WATER METER & SERVICE (TYP.)
4" SANITARY SEWER C/O & SERVICE (TYP.)
FHA W/T 3'X6' CORWLE
SSMH #38
P #39
SSMH #37A
P #38
10+00
16+00
17+00
18+00
19+00
30.0' GREENWAY EASEMENT
30.0' SANITARY SEWER EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
SSMH #32
8" TEMPORARY BLOW OFF ASSEMBLY
PHASE LINE (TYP.)
STREAM E
P #33
8"x8" TEE W / (3) 8" GV
FHA W/T 3'X6' CORWLE
15.0' TYPE II PERIMETER BUFFER
SSMH #37
INSIDE DROP MANHOLE
P #37
SSMH #36
P #36
COUNTER STREET
50' PUBLIC R/W.
SSMH #35
P #35
AMENITY CENTER
FHA W/T 3'X6' CORWLE
P #34
P #32

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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-7.4

38 OF 82

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

FOR CONTINUATION, SEE C-7.4

MATCH LINE

FLOODWAY

TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1990 PG 655

30.0' EXISTING

KENNETH INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA

SCM #7 WET POND

SCM #8 WET POND

SCM MAINTENANCE EASEMENT

GREENWAY TRAIL

10' BOARDWALK

30.0' SANITARY SEWER EASEMENT

10.0' BERM

PHASE LINE (TYP.)

STREAM I

STREAM G

STREAM J

W4

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

RET. WALL BY OTHERS (TYP.)

EXISTING DRAINED POND

30.0' GREENWAY EASEMENT

15.0' TYPE II PERIMETER BUFFER

GUARANTEED ALLEY 20' PUBLIC R/W

VEDDER LANE 50' PUBLIC R/W

POCKET PARK II

OCEANS COURT 50' PUBLIC R/W

MCCREADY COURT 50' PUBLIC R/W

POCKET PARK I

CAMERON SOUND ALLEY 20' PUBLIC R/W

MOOKIE ALLEY 20' PUBLIC R/W

BETTERMAN DRIVE 50' PUBLIC R/W

PENDULUM STREET 50' PUBLIC R/W

JONESVILLE RD 60' R/W

LIGHTNING BOLT LANE 62' PUBLIC R/W

GIGATON STREET 50' PUBLIC R/W

DARK MATTER ALLEY 20' PUBLIC R/W

PEARL JAM ALLEY 20' PUBLIC R/W

PROPOSED OVERHEAD POWER RELOCATION

PROPOSED 12" DIP W/L

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

30.0' STREET YARD BUFFER

MATCH LINE
FOR CONTINUATION, SEE C-7.6

MATCH LINE
FOR CONTINUATION, SEE C-7.8

LEGEND:
SEE SHEET C-7.0 FOR LEGEND.

SITE KEY PLAN

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

MAGNETIC NORTH ADOPTED BOM 1990 PG 396 — NAD 83 NORTH - NAD 83 ADOPTED BOM 1990 PG 655 — 7°32'15.0"

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

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'S 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-7.5

39 OF 82

PROGRESS PLOT DATE: 12/13/2024

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

DARK MATTER ALLEY
20' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

AMENITY CENTER

POCKET PARK II

POCKET PARK I

PLAZA

SCM #2
WET POND

FUTURE COMMERCIAL
LOT 1
BLOCK A
8.48 AC

CRICKET PITCH

RET. WALL BY OTHERS (TYP.)

SCM MAINTENANCE EASEMENT

PROPOSED OVERHEAD POWER RELOCATION

PROPOSED 12" DIP W/L

PHASE LINE (TYP.)

8" BLOW OFF ASSEMBLY

8" TEMPORARY BLOW OFF ASSEMBLY

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

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

12"x8" CROSS W / (2) 12" GV (2) 8" GV

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

8" 22.5° BEND

8" 11.25° BEND

8" 90° BEND

8" DIP W/L

FHA W/T 3'X6' CORWLE

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

30.0' STREET YARD BUFFER

30.0' GREENWAY EASEMENT

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

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

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

BUFFER ZONE 1 (TYP.) 30.0'

BUFFER ZONE 2 (TYP.) 20.0'

10.0' BERM

11.0' GREENWAY

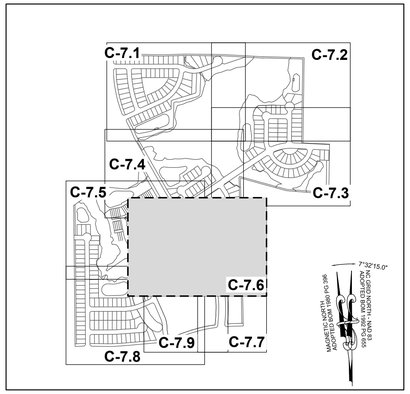
WTLD

STREAM G

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.7

MATCH LINE
FOR CONTINUATION, SEE C-7.9



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.

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

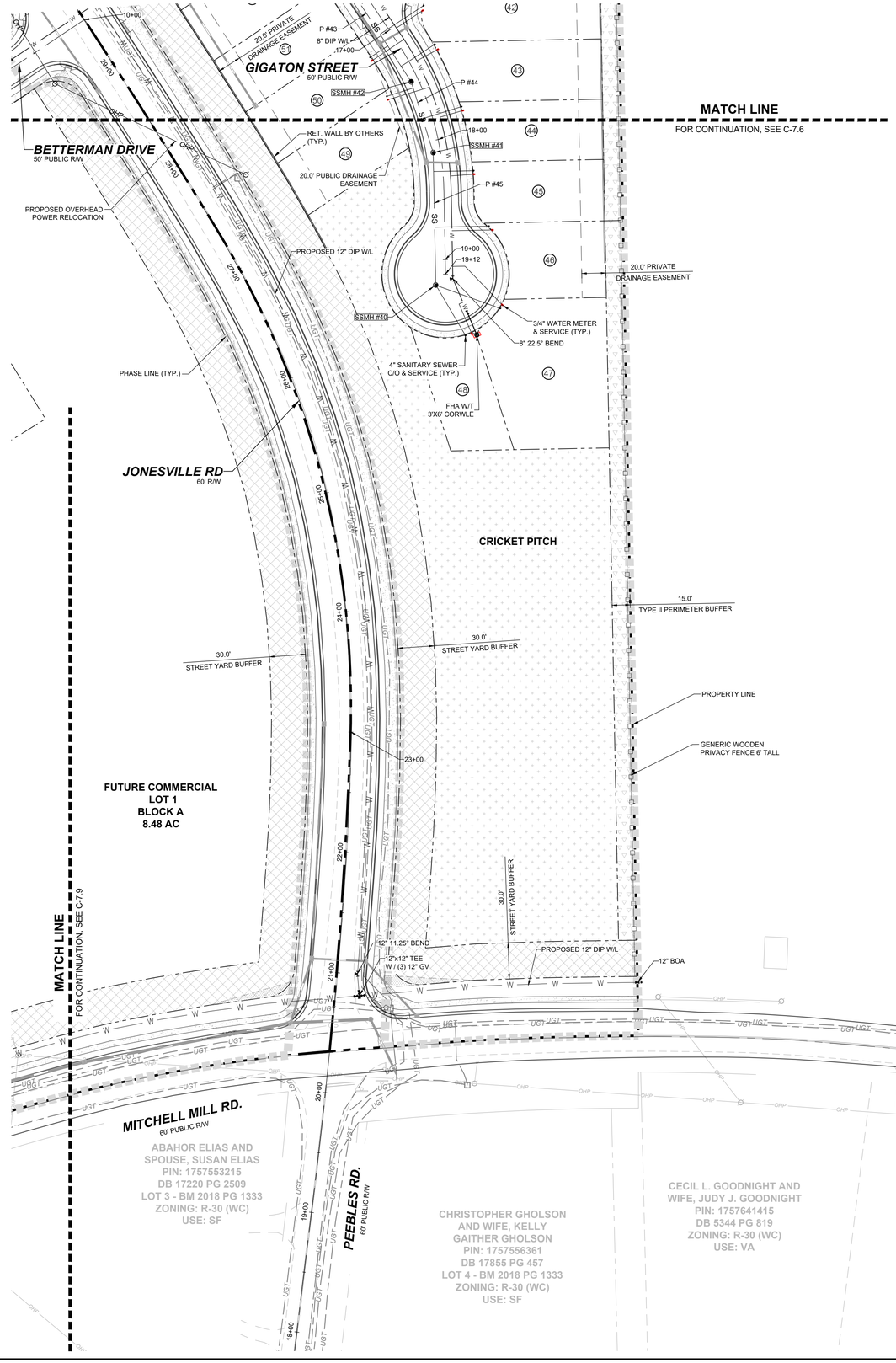
STRONG ROCK PROJECT #	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

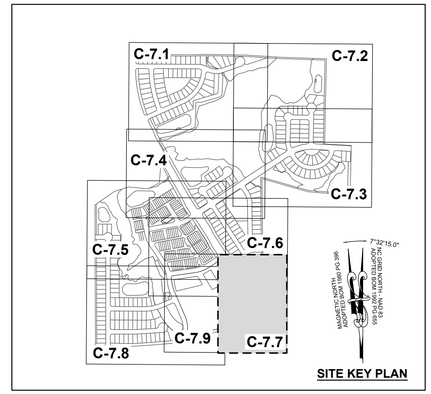
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PARTIAL UTILITY PLAN VI

DRAWING SHEET
C-7.6

40 OF 82

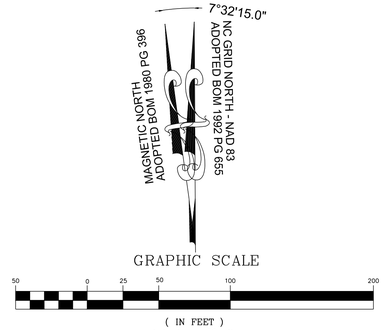
PROGRESS PLOT DATE: 12/13/2024





LEGEND:

SEE SHEET C-7.0 FOR LEGEND.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 VII

DRAWING SHEET

C-7.7

41 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.7

NEIGHBOURHOOD PARK

SCM #1
WET POND

SCM #2
WET POND

SCM MAINTENANCE EASEMENT

10.0' BERM

30.0' GREENWAY EASEMENT

10.0' GREENWAY

RET. WALL BY OTHERS (TYP.)

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

PHASE LINE (TYP.)

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

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

8" DIP W/L

8" TEMPORARY BLOW OFF ASSEMBLY

8" 11.25° BEND

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

FHA W/T 3'X6' CORWLE

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

8" 22.5° BEND

12" 11.25° BEND

PROPOSED 12" DIP W/L

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

30.0' STREET YARD BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

SSMH #69
INSIDE DROP MANHOLE

SSMH #70

SSMH #67

SSMH #68

SSMH #82

SSMH #77

SSMH #66

P #72

P #73

P #74

P #68

P #69

P #70

P #71

P #80

W6

WTLD

UGT

OHP

SS

W

BETTERMAN DRIVE
50' PUBLIC R/W

EVEN FLOW LANE
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

YELLOW MOON COURT
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

MARCIE L. HOLDEN
PIN: 1757358908
DB 15599 PG 1003
LOT 5
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

BERNARD MILLER
PIN: 1757357865
DB 15416 PG 1651
LOT 4
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

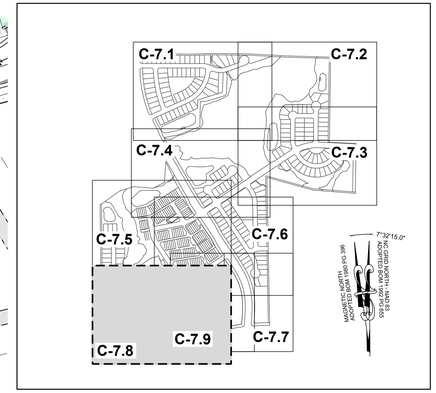
TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE
PIN: 1757357764
DB 9236 PG 2229
LOT 3
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

PERR Y,ELWOOD RYAN
PIN: 1757357582
DB 19292 PG 2780
ZONING: R-30 (WC)
USE: MO

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868
ZONING: R-30 (WC)
USE: FO

CURTIS L. HONEYCUTT AND WIFE TODD KENDALL
PIN: 1757540996
DB 19269 PG 2474
LOT 1 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 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.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

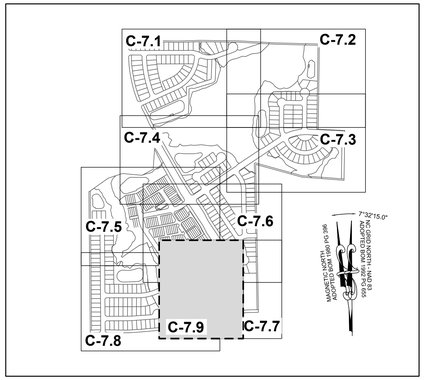
PARTIAL UTILITY PLAN VIII

DRAWING SHEET

C-7.8

42 OF 82

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.



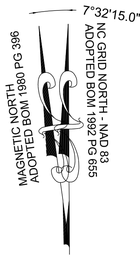
SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

TOWNHOME NOTES:

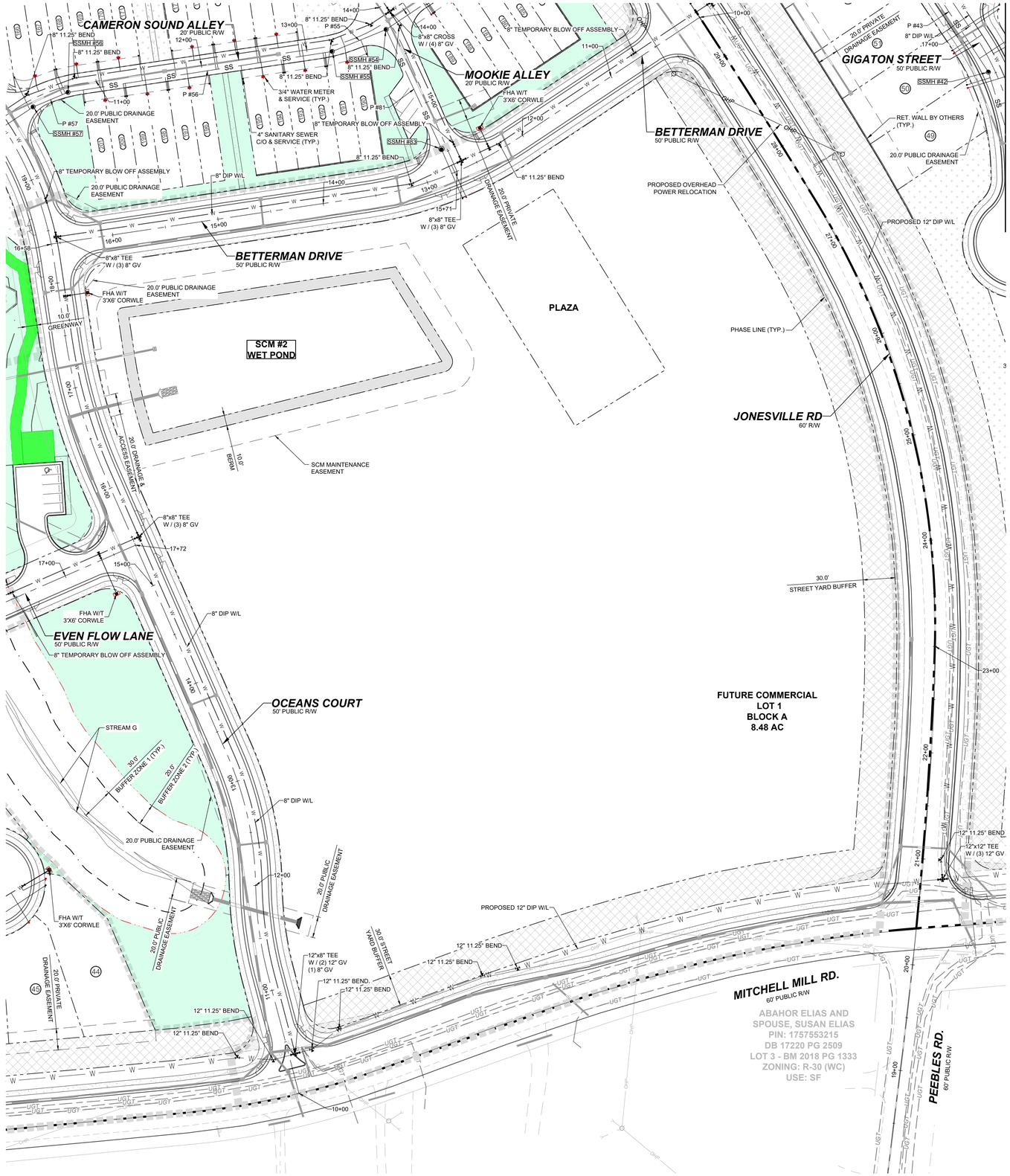
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 IX

DRAWING SHEET

C-7.9

43 OF 82

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.

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	PVC - SDR 26	8"	296	250.76	249.28	0.50%
P #02	PVC - SDR 26	8"	205	249.08	247.04	1.00%
P #03	PVC - SDR 26	8"	235	246.84	241.98	2.06%
P #04	PVC - SDR 26	8"	78	241.78	241.39	0.50%
P #05	PVC - SDR 26	8"	86	241.19	240.76	0.50%
P #06	PVC - SDR 26	8"	83	240.56	240.15	0.50%
P #07	PVC - SDR 26	8"	119	239.95	239.35	0.50%
P #08	PVC - SDR 26	8"	92	239.15	238.69	0.50%
P #09	PVC - SDR 26	8"	291	238.49	237.04	0.50%
P #10	PVC - SDR 26	8"	140	251.59	245.70	4.20%
P #11	PVC - SDR 26	8"	134	245.50	242.15	2.51%
P #12	PVC - SDR 26	8"	137	241.95	239.69	1.65%
P #13	PVC - SDR 26	8"	50	239.49	238.32	2.35%
P #14	PVC - SDR 26	8"	147	236.84	231.80	3.44%
P #15	PVC - SDR 26	8"	189	231.60	230.66	0.50%
P #16	PVC - SDR 26	8"	149	252.05	251.31	0.50%
P #17	PVC - SDR 26	8"	238	257.50	253.26	1.78%
P #18	PVC - SDR 26	8"	257	251.11	249.82	0.50%
P #19	PVC - SDR 26	8"	290	249.62	248.17	0.50%
P #20	PVC - SDR 26	8"	58	247.97	247.68	0.50%
P #21	PVC - SDR 26	8"	50	247.48	247.23	0.50%
P #22	PVC - SDR 26	8"	162	277.78	272.52	3.26%
P #23	PVC - SDR 26	8"	86	272.32	267.42	5.68%
P #24	PVC - SDR 26	8"	91	267.22	261.08	6.74%
P #25	PVC - SDR 26	8"	61	260.88	258.23	4.32%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #26	PVC - SDR 26	8"	87	258.03	256.45	1.82%
P #27	PVC - SDR 26	8"	87	256.25	253.00	3.73%
P #28	PVC - SDR 26	8"	100	252.80	250.80	1.99%
P #29	PVC - SDR 26	8"	87	250.60	249.16	1.66%
P #30	PVC - SDR 26	8"	64	248.96	246.64	3.62%
P #31	PVC - SDR 26	8"	141	246.44	237.20	6.55%
P #32	PVC - SDR 26	8"	411	237.00	233.15	0.94%
P #33	PVC - SDR 26	8"	111	232.95	232.39	0.50%
P #34	PVC - SDR 26	8"	302	279.47	265.29	4.69%
P #35	PVC - SDR 26	8"	272	262.79	247.30	5.70%
P #36	PVC - SDR 26	8"	68	247.10	246.76	0.50%
P #37	PVC - SDR 26	8"	113	246.56	245.00	1.38%
P #38	PVC - SDR 26	8"	46	232.19	231.96	0.50%
P #39	PVC - SDR 26	8"	136	231.76	231.08	0.50%
P #40	DIP	8"	176	230.88	230.00	0.50%
P #40A	DIP	8"	242	229.80	228.59	0.50%
P #41	PVC - SDR 26	8"	195	267.30	256.90	5.33%
P #41A	PVC - SDR 26	8"	181	256.70	248.86	4.32%
P #42	PVC - SDR 26	8"	268	282.70	267.50	5.68%
P #43	PVC - SDR 26	8"	272	294.38	282.90	4.22%
P #44	PVC - SDR 26	8"	62	298.77	294.58	6.79%
P #45	PVC - SDR 26	8"	110	304.02	298.97	4.60%
P #46	DIP	8"	59	228.39	228.10	0.50%
P #46A	DIP	8"	296	227.90	226.42	0.50%
P #47	DIP	8"	66	226.22	225.89	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #48	DIP	8"	116	225.69	225.11	0.50%
P #49	PVC - SDR 26	8"	106	268.24	260.79	7.00%
P #50	PVC - SDR 26	8"	44	258.29	256.66	3.75%
P #51	PVC - SDR 26	8"	317	256.46	245.37	3.50%
P #52	PVC - SDR 26	8"	35	245.17	245.00	0.50%
P #53	PVC - SDR 26	8"	30	244.80	244.64	0.50%
P #54	PVC - SDR 26	8"	150	281.01	274.73	4.19%
P #55	PVC - SDR 26	8"	55	274.53	273.38	2.10%
P #56	PVC - SDR 26	8"	251	273.18	263.91	3.69%
P #57	PVC - SDR 26	8"	35	263.71	260.70	8.49%
P #58	PVC - SDR 26	8"	40	260.50	259.36	2.86%
P #59	PVC - SDR 26	8"	261	259.16	246.50	4.84%
P #60	PVC - SDR 26	8"	84	244.44	242.20	2.68%
P #61	PVC - SDR 26	8"	92	242.00	240.90	1.19%
P #62	PVC - SDR 26	8"	223	250.21	243.44	3.03%
P #63	PVC - SDR 26	8"	104	245.48	243.44	1.98%
P #64	PVC - SDR 26	8"	272	243.24	237.63	2.06%
P #65	PVC - SDR 26	8"	27	237.43	236.33	4.15%
P #66	PVC - SDR 26	8"	110	236.13	235.58	0.50%
P #67	PVC - SDR 26	8"	80	235.38	234.98	0.50%
P #68	DIP	8"	325	263.14	261.51	0.50%
P #69	PVC - SDR 26	8"	302	264.85	263.34	0.50%
P #70	DIP	8"	396	264.77	262.21	0.65%
P #71	PVC - SDR 26	8"	114	284.29	277.76	5.71%
P #72	DIP	8"	259	261.31	260.02	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #73	DIP	8"	288	259.82	258.38	0.50%
P #74	PVC - SDR 26	8"	223	258.18	257.07	0.50%
P #75	PVC - SDR 26	8"	390	256.27	253.49	0.71%
P #76	PVC - SDR 35	8"	172	234.78	231.63	1.83%
P #77	PVC - SDR 35	8"	157	231.43	230.65	0.50%
P #78	PVC - SDR 35	8"	47	230.45	230.21	0.50%
P #79	PVC - SDR 26	8"	124	253.29	248.25	4.05%
P #80	PVC - SDR 26	8"	100	265.48	264.97	0.50%
P #81	PVC - SDR 26	8"	124	276.77	274.93	1.49%
P #82	DIP	8"	234	248.05	230.01	7.70%
P #83	PVC - SDR 35	8"	36	227.51	225.98	4.23%
P #84	PVC - SDR 26	8"	148	240.70	236.33	2.96%
P #85	PVC - SDR 26	8"	107	243.08	242.30	0.73%
P #86	PVC - SDR 26	8"	67	230.46	230.12	0.50%
P #87	PVC - SDR 26	8"	79	240.66	236.99	4.64%
P #88	PVC - SDR 26	8"	240	236.79	234.18	1.09%
P #89	PVC - SDR 26	8"	39	233.98	233.79	0.50%
P #90	PVC - SDR 26	8"	42	280.08	277.98	5.00%
P #91	PVC - SDR 26	8"	139	280.37	279.67	0.50%
P #92	PVC - SDR 26	8"	105	253.63	253.10	0.50%
P #93	PVC - SDR 26	8"	130	252.90	252.25	0.50%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
DOG HOUSE SSMH #92	5'	243.62	231.47 E 233.79 N	231.27 W	12.34
SSMH #01	4'	259.64		250.76 E	8.88
SSMH #02	4'	257.52	249.28 W	249.08 E	8.44
SSMH #03	4'	255.62	247.04 W	246.84 E	8.78
SSMH #04	4'	250.81	241.98 W	241.78 S	9.03
SSMH #05	4'	251.21	241.39 N	241.19 S	10.02
SSMH #06	4'	250.79	240.76 N	240.56 SW	10.23
SSMH #07	4'	250.33	240.15 NE	239.95 SW	10.38
SSMH #08	4'	249.73	239.35 NE	239.15 SW	10.58
SSMH #09	4'	249.17	238.69 NE	238.49 SW	10.68
SSMH #10	4'	257.33		251.59 S	5.77
SSMH #11	4'	254.40	245.70 N	245.50 S	8.92
SSMH #12	4'	251.62	242.15 N	241.95 S	9.66
SSMH #13	4'	248.69	239.69 N	239.49 SE	9.21
SSMH #14	4'	247.66	237.04 NE 238.32 NW	236.84 SW	10.82
SSMH #15	4'	242.27	231.80 NE	231.60 SE	10.67
SSMH #16	4'	260.65	252.25 NE	252.05 S	8.62
SSMH #17	4'	265.86		257.50 N	8.39
SSMH #18	4'	262.32	251.31 N 253.26 S	251.11 W	11.23
SSMH #19	5'	264.15	249.82 E	249.62 S	14.53
SSMH #20	4'	257.86	248.17 N	247.97 S	9.89
SSMH #21	4'	256.43	247.68 N	247.48 SE	8.95
SSMH #22	4'	286.97	277.98 N	277.78 W	9.19
SSMH #23	4'	279.55	272.52 E	272.32 S	7.23
SSMH #24	4'	274.48	267.42 N	267.22 SW	7.26

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #25	4'	265.51	258.23 NE	258.03 W	7.48
SSMH #26	4'	262.13	256.45 E	256.25 W	5.89
SSMH #27	4'	260.47	253.00 E	252.80 NW	7.67
SSMH #28	4'	258.56	250.80 SE	250.60 NW	7.95
SSMH #29	4'	256.92	249.16 SE	248.96 NW	7.96
SSMH #30	4'	256.07	246.64 SE 247.23 NW	246.44 SW	9.66
SSMH #31	5'	251.80	237.20 NE 237.20 SE	237.00 SW	15.31
SSMH #32	5'	252.01	233.15 NE	232.95 SW	19.08
SSMH #33	5'	296.53	279.67 E	279.47 N	17.08
SSMH #34	4'	273.76	265.29 S	262.79 N	10.97
SSMH #35	4'	256.83	247.30 S	247.10 N	9.76
SSMH #36	4'	254.96	246.76 S	246.56 NW	8.40
SSMH #37 INSIDE DROP MANHOLE	6'	252.66	232.39 NE 245.00 SE	232.19 N	20.47
SSMH #37A	6'	252.49	231.96 S	231.76 NW	20.76
SSMH #38	5'	247.83	231.08 SE	230.88 SW	16.95
SSMH #39	6'	251.21	230.00 NE	229.80 SW	21.41
SSMH #40	4'	311.84		304.02 N	7.82
SSMH #41	4'	306.80	298.97 S	298.77 N	8.04
SSMH #42	4'	303.66	294.58 S	294.38 NW	9.30
SSMH #43	4'	292.93	282.90 SE	282.70 NW	10.23
SSMH #44	4'	276.65	267.50 SE	267.30 NW	9.38
SSMH #45	5'	269.46	256.90 SE	256.70 NW	12.78
SSMH #45A INSIDE DROP MANHOLE	6'	257.61	248.86 SE 228.59 NE	228.39 NW	29.22
SSMH #46	6'	255.99	228.10 SE	227.90 W	28.09
SSMH #46A	6'	252.21	226.42 E	226.22 NW	25.99

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #47	6'	249.33	225.89 SE	225.69 W	23.64
SSMH #48	4'	276.94		268.24 SW	8.70
SSMH #49	4'	269.59	260.79 NE	258.29 W	11.30
SSMH #50	4'	266.71	256.66 E	256.46 W	10.25
SSMH #51	4'	257.07	245.37 E	245.17 SW	11.90
SSMH #52	5'	256.95	245.00 NE	244.80 SW	12.15
SSMH #53	4'	286.96		281.01 SW	5.95
SSMH #54	4'	282.54	274.73 NE 274.93 SE	274.53 W	8.04
SSMH #55	4'	280.40	273.38 E	273.18 W	7.22
SSMH #56	4'	272.28	263.91 E	263.71 SW	8.56
SSMH #57	4'	271.19	260.70 NE	260.50 SW	10.69
SSMH #58	4'	270.44	259.36 NE	259.16 NW	11.28
SSMH #59	5'	256.67	244.64 NE 246.50 SE	244.44 NW	12.22
SSMH #60	4'	261.29		250.21 NW	11.08
SSMH #61	4'	254.27		245.48 SW	8.79
SSMH #62	4'	252.21	243.44 SE 243.44 NE	243.24 SW	8.98
SSMH #63	5'	248.22	235.58 E	235.38 NW	12.84
SSMH #64	4'	247.68	236.33 E 236.33 S	236.13 W	11.55
SSMH #65 INSIDE DROP MANHOLE	6'	284.31	261.51 E 277.76 S	261.31 N	23.02
SSMH #66	5'	278.65	263.34 E	263.14 W	15.51
SSMH #67	4'	275.45	264.97 E	264.77 W	10.68
SSMH #68	4'	289.85		284.29 N	5.58
SSMH #69	6'	280.06	260.02 S 262.21 E	259.82 N	20.26
SSMH #70	5'	274.89	258.38 S	258.18 N	16.71
SSMH #71	5'	268.62	257.07 S	256.27 N	12.35

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #72	4'	259.78	253.49 S	253.29 W	6.51
SSMH #74	4'	241.18	234.98 SE	234.78 NW	6.41
SSMH #75	4'	236.45	231.63 SE	231.43 NE	5.01
SSMH #76	4'	240.05	230.65 SW	230.45 NW	9.60
SSMH #77	4'	273.17		264.85 W	8.32
SSMH #78	4'	247.61	237.63 NE	237.43 W	10.18
SSMH #79	4'	252.61	242.20 SE	242.00 N	10.63
SSMH #80	5'	265.00	248.25 E	248.05 N	16.95
SSMH #81	4'	239.69	230.01 S	227.51 NW	12.18
SSMH #82	4'	273.71		265.48 W	8.24
SSMH #83	5'	290.96		276.77 NW	14.19
SSMH #84	4'	269.03	261.08 NE	260.88 SW	8.16
SSMH #85	4'	250.59	240.90 S 242.30 W	240.70 N	9.92
SSMH #86	4'	248.78		243.08 E	5.70
SSMH #87	4'	239.60	230.66 NW	230.46 SE	9.14
SSMH #89	5'	246.48	234.18 W	233.98 S	12.49
SSMH #90	4'	244.85	236.99 W	236.79 E	8.06
SSMH #91	4'	246.95		240.66 E	6.29
SSMH #92	4'	291.86		280.08 S	11.78
SSMH #93	4'	284.28		280.37 W	3.91
SSMH #94	4'	271.00		253.63 W	17.37
SSMH #95	4'	256.89	253.10 E	252.90 SW	3.98

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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
SEWER TABLES

DRAWING SHEET
C-7.10

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

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

LEGEND:

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

PROPOSED 8" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

PROPOSED 12" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

PROPOSED 12" DIP WATER MAIN

PROPOSED 12" DIP WATER MAIN

CONNECT TO EXISTING WATER MAIN

JONESVILLE RD
100' R/W

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

WATKINS RD.

MITCHELL MILL RD.
60' PUBLIC R/W

PEEBLES RD.
60' PUBLIC R/W

7°32'15.0"

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

400 0 200 400 800 1600

(IN FEET)
1 inch = 400 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

OFF-SITE UTILITY PLAN

DRAWING SHEET

C-7.11

45 OF 82

PROGRESS PLOT DATE: 12/13/2024

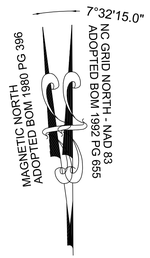


NOTES:
SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS

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
- 239 PROP. MINOR CONTOURS



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/07/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

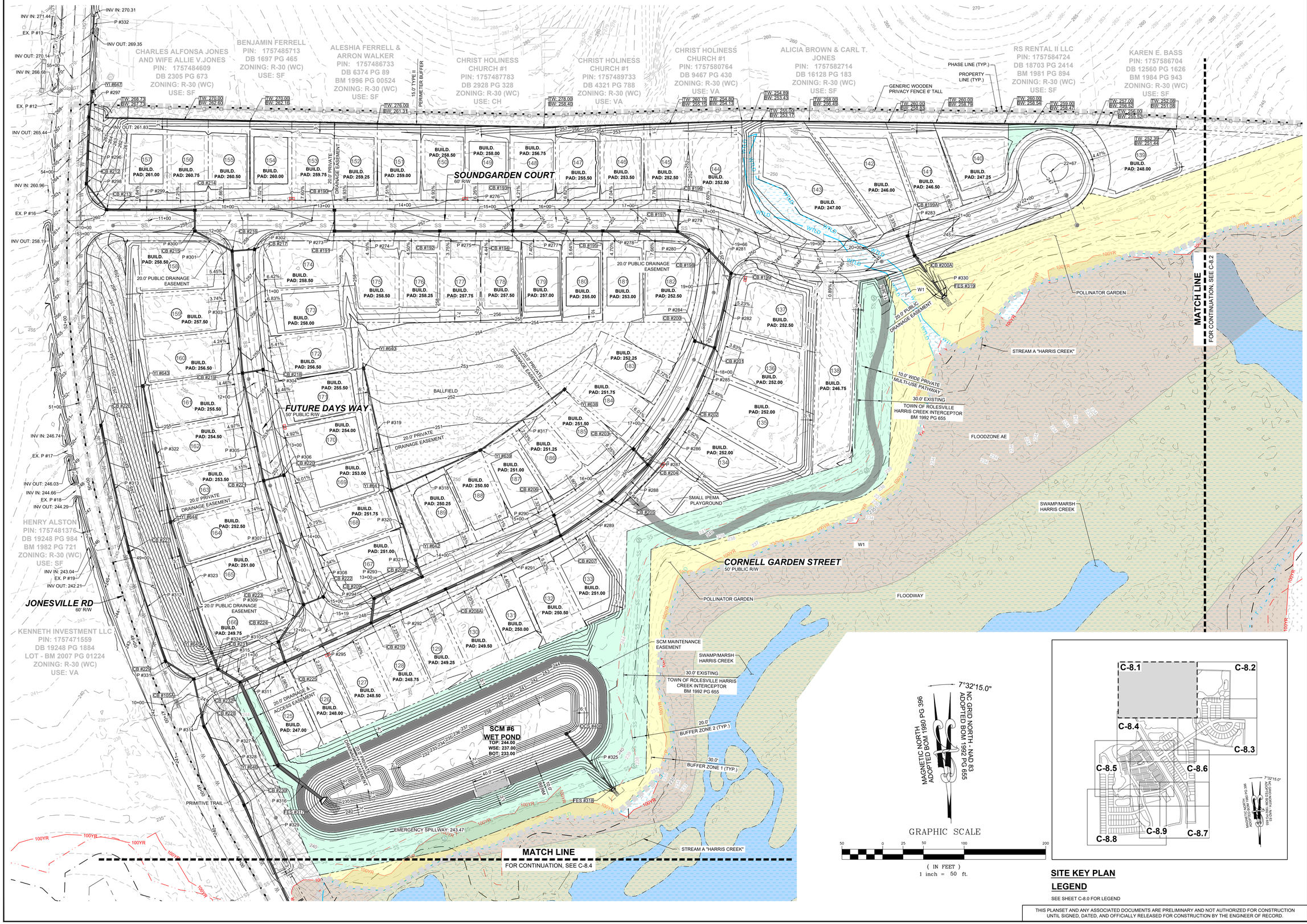
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

OVERALL GRADING AND DRAINAGE PLAN

DRAWING SHEET
C-8.0

46 OF 82

PROGRESS PLOT DATE: 12/13/2024



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 I

DRAWING SHEET

C-8.1

47 OF 82

PROGRESS PLOT DATE: 12/13/2024

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

SOUNDGARDEN COURT
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-8.1

MATCH LINE
FOR CONTINUATION, SEE C-8.3

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

SCM #5
WET POND
TOP: 254.00
WSE: 248.00
BOT: 245.00

SCM #4
WET POND
TOP: 246.00
WSE: 240.00
BOT: 236.00

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

STREAM A "HARRIS CREEK"
STREAM B
SWAMP/MARSH
HARRIS CREEK
FLOODWAY
FLOOD ZONE AE
PARKOUR COURSE
POLLINATOR GARDEN
GENERIC WOODEN PRIVACY FENCE 6' TALL
PROPERTY LINE (TYP.)
PHASE LINE (TYP.)
15.0' TYPE II PERIMETER BUFFER
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)
30' EXISTING TOWN OF ROLESVILLE CREEK INTERCEPTOR BM 1982 PG 695
GREENWAY TRAIL
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' SANITARY SEWER EASEMENT
SCM MAINTENANCE EASEMENT
EMERGENCY SPILLWAY: 253.00
EMERGENCY SPILLWAY: 245.00
SWAMP/MARSH HARRIS CREEK
BUILD. PAD: 248.00
BUILD. PAD: 255.75
BUILD. PAD: 259.75
BUILD. PAD: 260.75
BUILD. PAD: 261.00
BUILD. PAD: 261.50
BUILD. PAD: 262.50
BUILD. PAD: 263.50
BUILD. PAD: 264.00
BUILD. PAD: 264.50
BUILD. PAD: 264.75
BUILD. PAD: 265.00
BUILD. PAD: 265.25
BUILD. PAD: 266.00
BUILD. PAD: 267.50
BUILD. PAD: 261.50
BUILD. PAD: 261.75
BUILD. PAD: 262.50
BUILD. PAD: 263.50
BUILD. PAD: 264.00
BUILD. PAD: 264.50
BUILD. PAD: 264.75
BUILD. PAD: 265.00
BUILD. PAD: 265.25
BUILD. PAD: 265.75
BUILD. PAD: 267.25

SITE KEY PLAN

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

MAGNETIC NORTH ADOPTED BOM 1980 PG 396
NCG GRID NORTH - NAD 83 ADOPTED BOM 1982 PG 695
7°32'15.0"

LEGEND

SEE SHEET C-8.0 FOR LEGEND

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

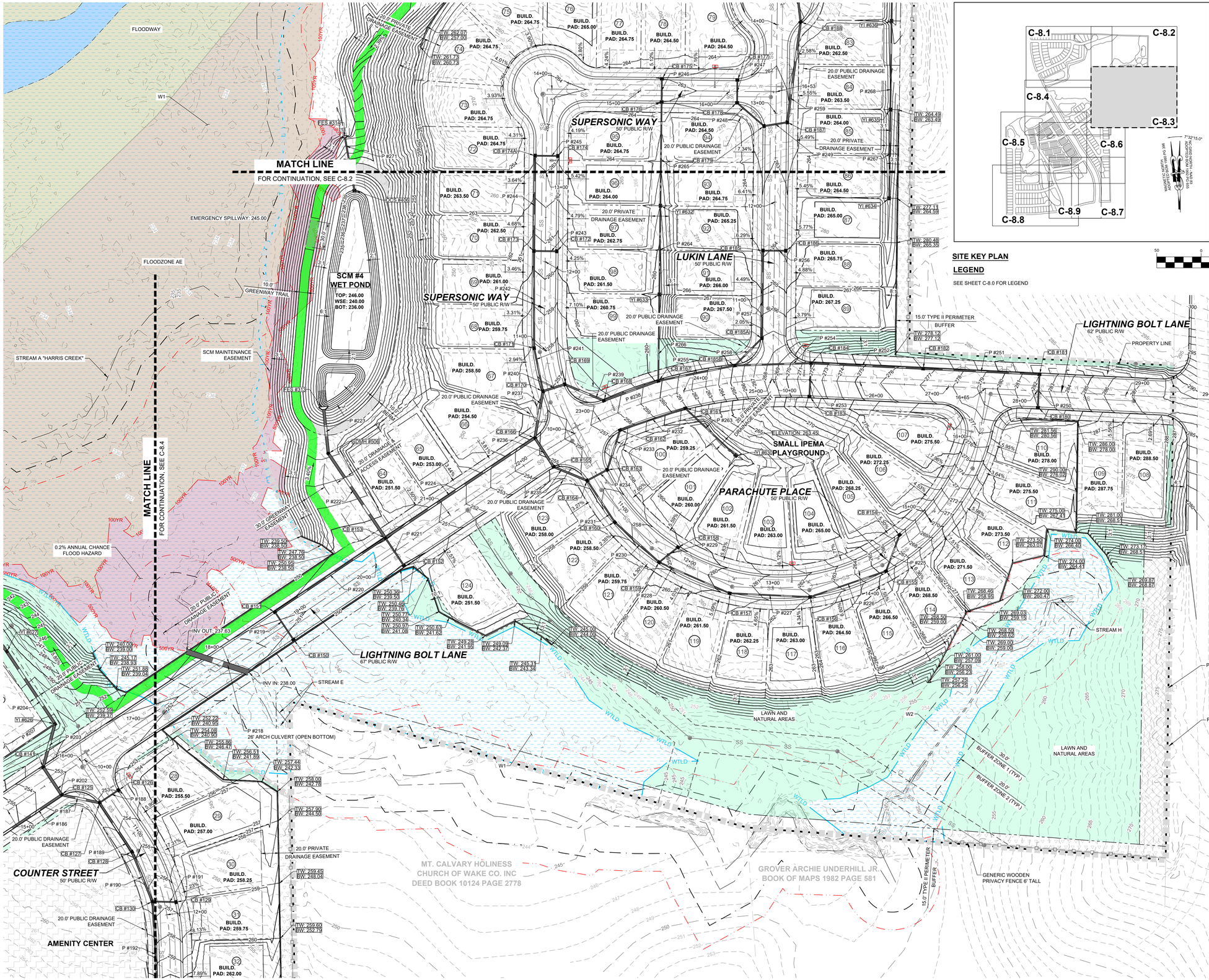
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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-8.2

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 III

DRAWING SHEET

C-8.3

49 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

C-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

SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

MATCH LINE
FOR CONTINUATION, SEE C-8.1

MATCH LINE
FOR CONTINUATION, SEE C-8.5

MATCH LINE
FOR CONTINUATION, SEE C-8.3

STREAM A "HARRIS CREEK"
FLOODZONE AE
FLOODWAY
BRIDGE
SWAMP/MARSH
HARRIS CREEK
PROPERTY LINE (TYP.)
PHASE LINE (TYP.)
0.2% ANNUAL CHANCE FLOOD HAZARD
EMERGENCY SPILLWAY: 246.00
EMERGENCY SPILLWAY: 245.00
SCM MAINTENANCE EASEMENT
GREENWAY TRAIL
GREENWAY EASEMENT
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)
STREET YARD BUFFER
PROPOSED OVERHEAD POWER RELOCATION
66 LF 24" RCP @ 0.88%
100.0'
ACCESS EASEMENT
17.4' DRAINAGE &

SCM #3
WET POND
TOP: 247.00
WSE: 240.00
BOT: 236.00

SCM #7
WET POND
TOP: 246.00
WSE: 239.00
BOT: 235.00

JONESVILLE RD
60' R/W

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

LIGHTNING BOLT LANE
67' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
20.0' DRAINAGE & ACCESS EASEMENT
30.0' PUBLIC DRAINAGE EASEMENT
AMENITY CENTER
GENERIC WOODEN PRIVACY FENCE 6' TALL
15.0' TYPE II PERIMETER BUFFER

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

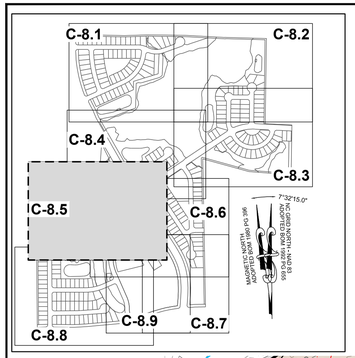
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL GRADING AND DRAINAGE PLAN IV

DRAWING SHEET
C-8.4

50 OF 82

PROGRESS PLOT DATE: 12/13/2024



TOWNHOME NOTES:

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

SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

KENNETH
INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA

MATCH LINE
FOR CONTINUATION, SEE C-8.4

MATCH LINE
FOR CONTINUATION, SEE C-8.6

MATCH LINE
FOR CONTINUATION, SEE C-8.8

JONESVILLE RD
60' R/W

GUARANTEED ALLEY
20' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

PEARL JAM ALLEY
20' PRIVATE R/W

DARK MATTER ALLEY
20' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

SCM #7
WET POND
TOP: 246.00
WSE: 239.00
BOT: 235.00

SCM #8
WET POND
TOP: 245.00
WSE: 240.00
BOT: 236.00

EXISTING DRAINED POND

STREAM A "HARRIS CREEK"

STREAM I

STREAM J

STREAM G

ELEVATION: 257.00

SCM MAINTENANCE EASEMENT

EMERGENCY SPILLWAY: 245.00

EMERGENCY SPILLWAY: 244.00

10' BOARDWALK

GREENWAY TRAIL

10.0' GREENWAY EASEMENT

30.0' GREENWAY EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

PROPOSED OVERHEAD POWER RELOCATION

POCKET PARK I

POCKET PARK II

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

PHASE LINE (TYP.)

PROPERTY LINE (TYP.)

GENERIC WOODEN PRIVATE FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

W3 W4 W6

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP-V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP-V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP-V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP-V6-23-03	11/01/2024	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 V

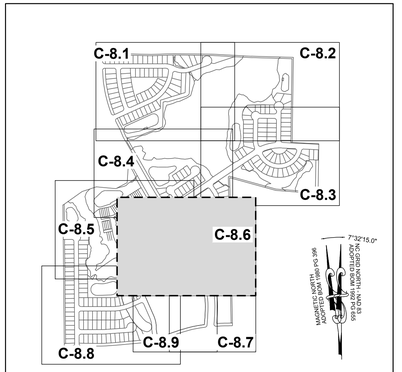
DRAWING SHEET
C-8.5

51 OF 82

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

GRAPHIC SCALE

(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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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	P8P-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

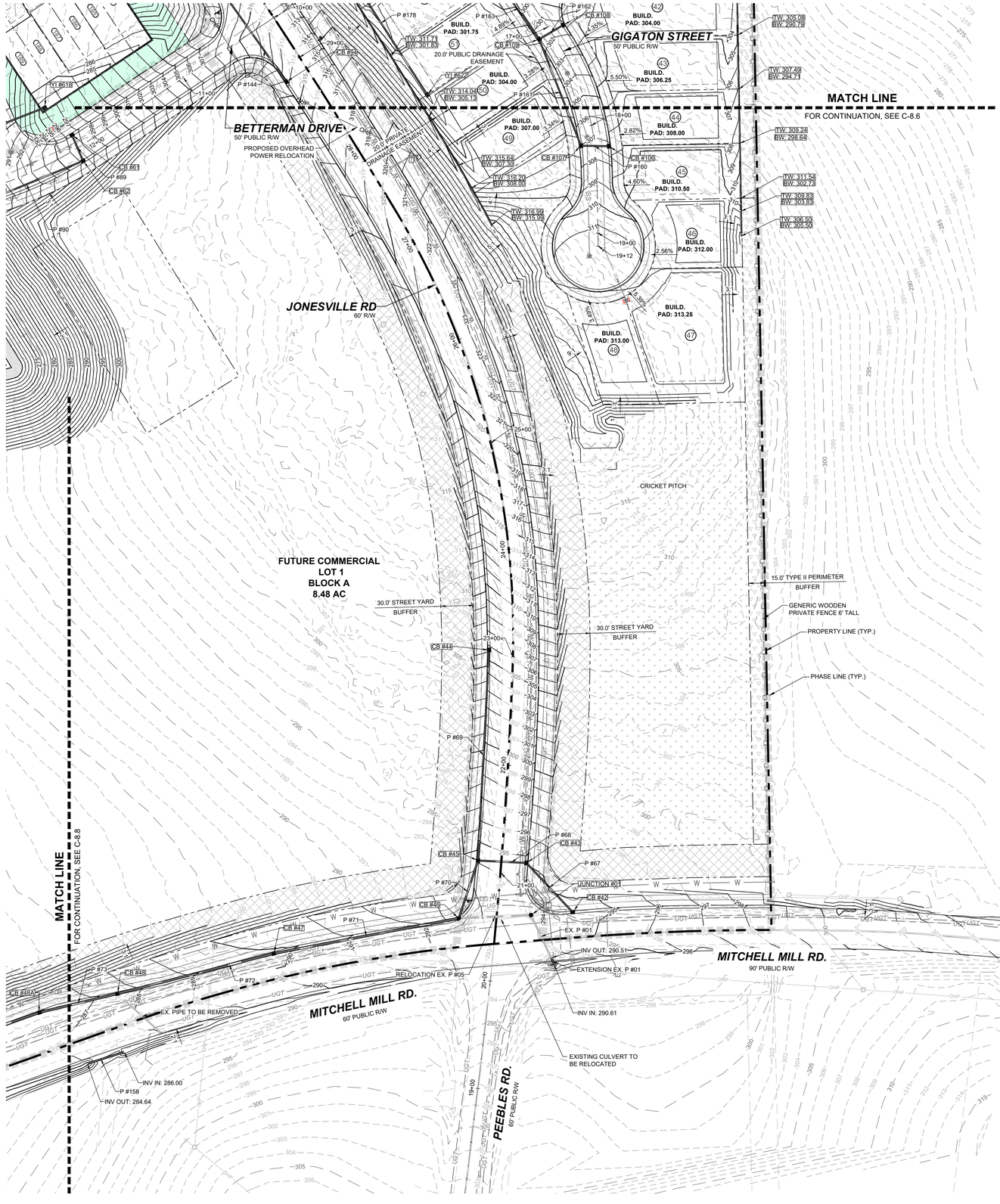
DRAWING SHEET

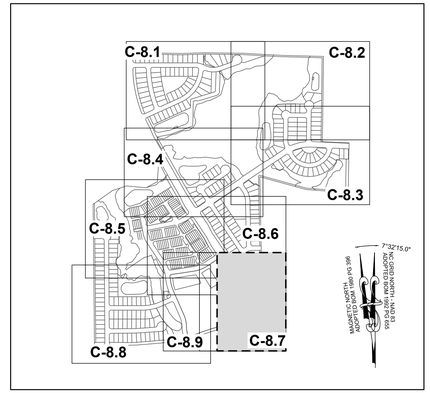
C-8.6

52 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

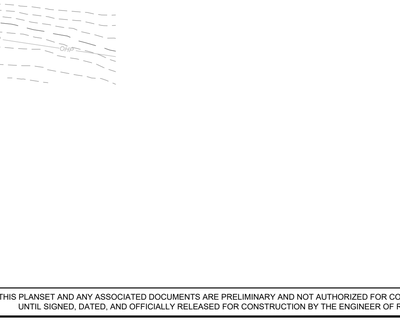




SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 VII

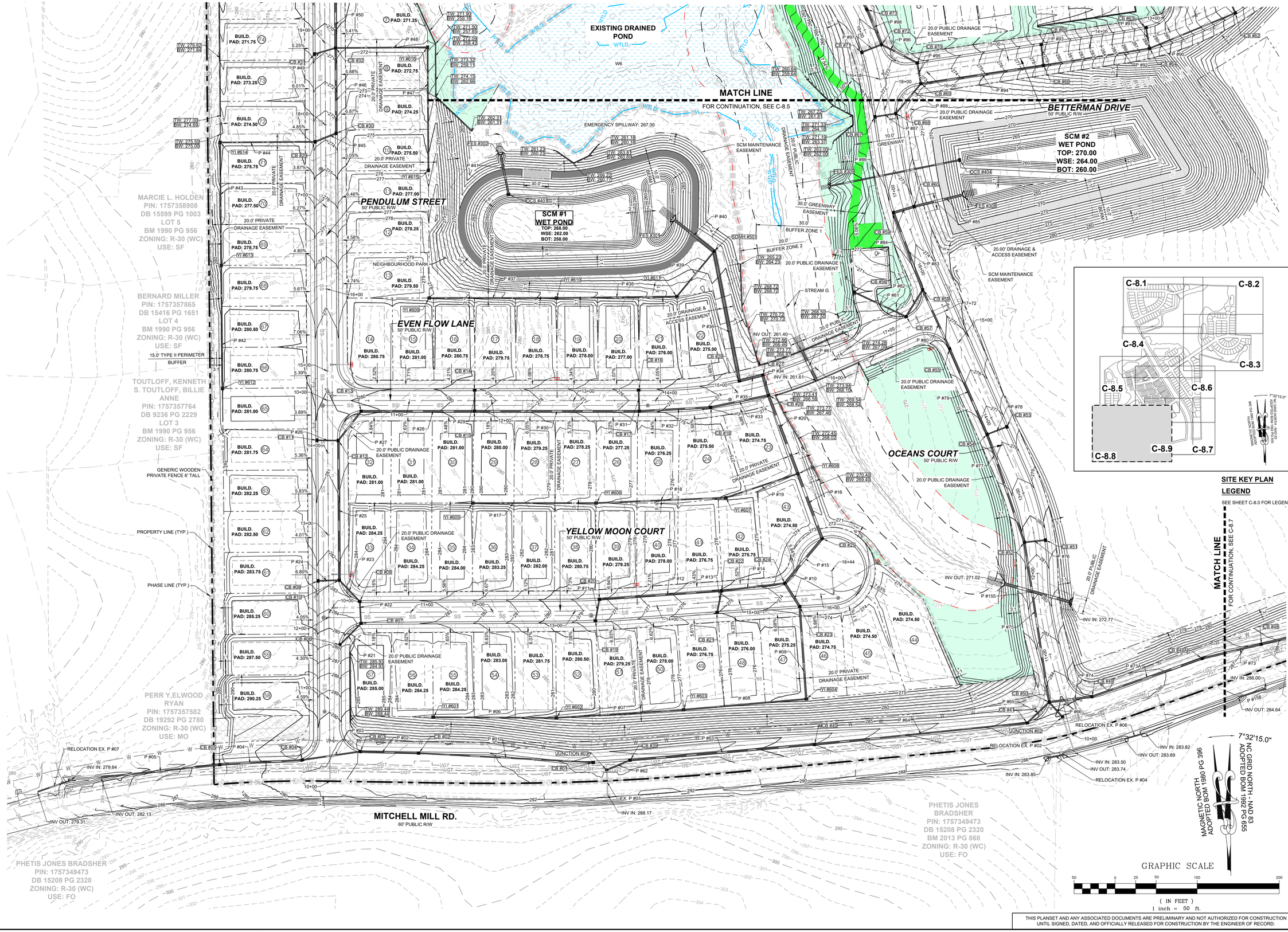
DRAWING SHEET

C-8.7

53 OF 82

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

PROGRESS PLOT DATE: 12/13/2024



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

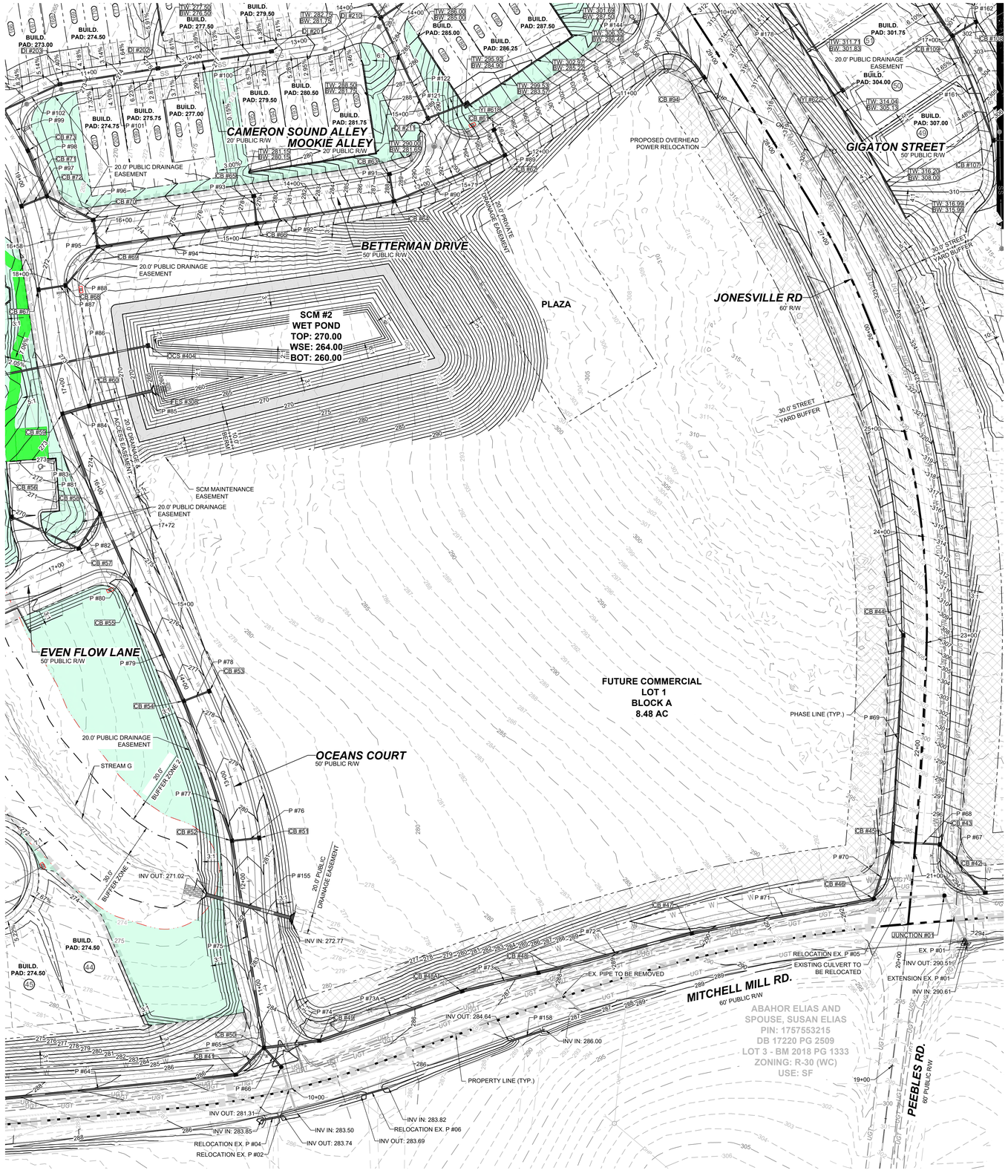
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

PARTIAL GRADING AND DRAINAGE PLAN VIII

DRAWING SHEET
C-8.8

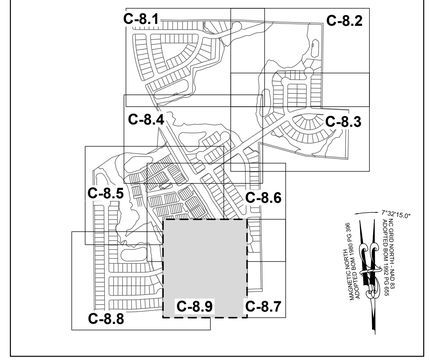
54 OF 82

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.



TOWNHOME NOTES:

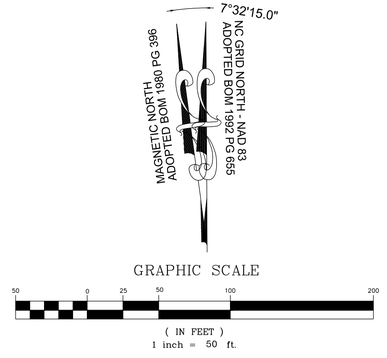
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

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

PARTIAL GRADING AND DRAINAGE PLAN IX

DRAWING SHEET

C-8.9

55 OF 82

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
EX. P #01	RCP	18"	44	290.51	289.86	1.49%
EX. P #03	RCP	18"	30	288.17	287.16	3.36%
EX. P #08	RCP	15"	22	282.61	282.22	1.77%
EX. P #09	RCP	18"	47	281.47	279.44	4.32%
EX. P #10	RCP	15"	26	280.24	279.40	3.21%
EX. P #11	RCP	15"	32	276.63	275.58	3.24%
EX. P #12	RCP	15"	39	266.68	265.44	3.22%
EX. P #13	RCP	15"	22	271.44	270.14	5.93%
EX. P #14	RCP	15"	21	274.67	273.97	3.40%
EX. P #15	RCP	15"	26	277.32	276.50	3.15%
EX. P #16	RCP	15"	41	260.96	258.19	6.80%
EX. P #17	RCP	15"	18	246.74	246.03	3.95%
EX. P #18	RCP	15"	20	244.66	244.29	1.87%
EX. P #19	RCP	15"	23	243.04	242.21	3.67%
EXTENSION EX. P #01	RCP	18"	7	290.61	290.51	1.47%
P #01	CLASS IV RCP	15"	213	287.77	286.71	0.50%
P #02	RCP	15"	71	286.51	286.15	0.50%
P #03	RCP	18"	71	285.95	285.60	0.50%
P #04	RCP	18"	101	285.40	284.89	0.50%
P #05	RCP	18"	146	284.69	282.13	1.76%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #06	RCP	15"	150	278.05	273.94	2.74%
P #07	RCP	15"	155	273.30	271.71	1.03%
P #08	RCP	18"	150	271.51	269.29	1.48%
P #09	RCP	24"	113	268.75	268.18	0.50%
P #10	RCP	30"	34	267.73	267.49	0.69%
P #11	RCP	15"	27	273.92	273.76	0.58%
P #12	RCP	15"	149	273.56	270.13	2.30%
P #13	RCP	15"	27	270.54	270.22	1.21%
P #14	RCP	18"	78	269.93	268.50	1.84%
P #15	RCP	30"	71	266.91	266.50	0.58%
P #16	RCP	36"	85	265.90	265.48	0.50%
P #17	RCP	15"	150	275.34	272.76	1.72%
P #18	RCP	15"	158	272.44	270.24	1.38%
P #19	RCP	15"	93	270.04	267.78	2.45%
P #20	RCP	36"	102	265.28	264.77	0.50%
P #21	RCP	15"	37	281.29	279.14	5.88%
P #22	RCP	15"	27	278.94	278.66	1.04%
P #23	RCP	15"	36	278.46	277.34	3.13%
P #24	RCP	15"	26	277.58	277.34	0.92%
P #25	RCP	18"	170	277.14	275.39	1.03%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #26	RCP	15"	26	275.76	275.63	0.50%
P #27	RCP	18"	45	275.19	274.69	1.10%
P #28	RCP	24"	138	274.49	273.80	0.50%
P #29	RCP	15"	26	274.71	274.58	0.50%
P #30	RCP	24"	201	273.60	270.05	1.77%
P #31	RCP	15"	26	270.89	270.76	0.50%
P #32	RCP	24"	87	269.85	268.60	1.43%
P #33	RCP	24"	72	268.40	266.98	1.98%
P #34	RCP	36"	26	264.57	264.44	0.50%
P #35	RCP	36"	29	264.24	264.10	0.50%
P #36	RCP	36"	161	263.90	262.68	0.75%
P #37	RCP	15"	155	273.50	270.00	2.26%
P #38	RCP	15"	147	269.80	266.56	2.21%
P #39	RCP	15"	71	266.36	263.80	3.59%
P #40	RCP	36"	61	262.48	262.00	0.79%
P #41	RCP	24"	49	262.00	261.54	0.94%
P #42	RCP	15"	150	275.45	273.43	1.35%
P #43	RCP	15"	150	273.22	269.44	2.52%
P #44	RCP	15"	116	269.24	268.66	0.50%
P #45	RCP	18"	28	268.21	268.07	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #46	RCP	18"	104	267.87	265.38	2.40%
P #47	RCP	15"	150	271.06	265.90	3.44%
P #48	RCP	15"	112	265.70	264.58	1.00%
P #49	RCP	15"	27	266.15	264.58	5.88%
P #50	RCP	24"	186	264.38	260.06	2.31%
P #51	RCP	15"	26	260.89	260.63	1.00%
P #52	RCP	24"	99	259.86	257.94	1.94%
P #53	RCP	15"	112	259.49	257.85	1.46%
P #54	RCP	15"	26	258.75	257.85	3.50%
P #55	RCP	24"	149	257.65	249.50	5.48%
P #56	RCP	15"	36	249.86	249.50	1.00%
P #57	RCP	30"	68	248.50	244.18	6.39%
P #58	RCP	30"	50	243.98	240.74	6.55%
P #59	RCP	30"	54	240.54	240.00	1.00%
P #60	RCP	24"	64	238.00	234.00	6.27%
P #61	RCP	36"	42	261.61	261.40	0.50%
P #62	RCP	18"	31	286.96	286.64	1.03%
P #63	RCP	18"	226	286.44	284.19	1.00%
P #64	RCP	18"	261	283.83	281.22	1.00%
P #65	RCP	18"	37	281.02	280.31	1.94%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #66	RCP	18"	24	281.11	280.31	3.28%
P #67	RCP	15"	62	289.66	289.34	0.51%
P #68	RCP	15"	45	289.14	288.92	0.51%
P #69	RCP	15"	195	300.49	288.32	6.24%
P #70	RCP	18"	56	288.12	287.56	1.00%
P #71	RCP	24"	174	287.36	285.45	1.09%
P #72	RCP	24"	149	285.25	283.20	1.38%
P #73	RCP	24"	74	282.79	281.66	1.53%
P #73A	RCP	24"	142	281.46	280.75	0.50%
P #74	RCP	24"	52	280.55	279.78	1.47%
P #75	RCP	24"	197	279.23	276.24	1.52%
P #76	RCP	15"	26	275.08	274.82	1.00%
P #77	RCP	24"	139	273.99	271.20	2.00%
P #78	RCP	15"	26	272.44	272.31	0.50%
P #79	RCP	24"	114	271.00	269.87	0.99%
P #80	RCP	24"	79	269.67	266.25	4.32%
P #81	RCP	15"	70	267.04	266.64	0.56%
P #82	RCP	18"	38	266.44	266.25	0.50%
P #83	RCP	30"	101	266.05	265.55	0.50%
P #84	RCP	30"	26	265.35	265.22	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #85	RCP	30"	61	265.02	264.00	1.68%
P #86	RCP	18"	161	264.00	263.17	0.51%
P #87	RCP	15"	26	268.28	267.55	2.83%
P #88	RCP	15"	48	267.35	267.11	0.50%
P #89	RCP	15"	26	291.99	291.38	2.33%
P #90	RCP	15"	113	291.18	283.33	6.95%
P #91	RCP	15"	26	283.66	283.33	1.27%
P #92	RCP	15"	131	283.13	273.91	7.04%
P #93	RCP	15"	26	274.09	273.96	0.50%
P #94	RCP	15"	151	273.15	267.25	3.91%
P #95	RCP	18"	26	266.91	266.78	0.50%
P #96	RCP	18"	49	266.58	266.34	0.50%
P #97	RCP	15"	26	266.68	266.55	0.50%
P #98	RCP	24"	46	265.69	265.32	0.79%
P #99	RCP	24"	45	265.12	264.90	0.50%
P #100	RCP	15"	108	274.23	270.74	3.23%
P #101	RCP	15"	93	270.54	267.72	3.01%
P #102	RCP	15"	58	267.52	265.82	2.93%
P #103	RCP	24"	97	264.70	261.19	3.62%
P #104	RCP	15"	25	261.91	261.79	0.52%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #105	RCP	24"	119	260.99	253.64	6.16%
P #106	RCP	15"	26	254.46	254.33	0.50%
P #107	RCP	24"	44	253.44	250.97	5.66%
P #108	RCP	15"	107	256.03	253.94	1.95%
P #109	RCP	15"	95	253.74	252.62	1.18%
P #110	RCP	15"	52	252.42	251.79	1.23%
P #111	RCP	30"	111	250.39	245.22	4.67%
P #112	RCP	15"	34	246.80	246.63	0.51%
P #113	RCP	30"	50	245.02	244.77	0.50%
P #114	RCP	15"	26	250.87	250.74	0.50%
P #115	RCP	18"	167	250.54	246.42	2.47%
P #116	RCP	30"	26	244.57	244.44	0.50%
P #117	RCP	30"	59	244.24	242.63	2.73%
P #118	RCP	30"	52	242.39	241.81	1.12%
P #119	RCP	15"	28	243.66	243.51	0.55%
P #120	RCP	36"	40	241.61	240.80	2.04%
P #121	RCP	15"	39	278.86	278.67	0.50%
P #122	RCP	15"	105	278.47	277.75	0.68%
P #123	RCP	15"	78	280.26	277.75	3.22%
P #124	RCP	15"	132	277.55	268.14	7.11%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #125	RCP	15"	112	267.60	262.26	4.76%
P #126	RCP	15"	44	272.53	272.31	0.50%
P #127	RCP	15"	123	279.45	274.43	4.09%
P #128	RCP	15"	91	272.10	267.59	4.94%
P #129	RCP	15"	75	267.33	262.54	6.38%
P #130	RCP	18"	115	261.87	258.35	3.07%
P #131	RCP	18"	29	260.31	259.45	3.00%
P #132	RCP	18"	56	259.25	258.52	1.29%
P #133	RCP	18"	133	258.06	252.81	3.96%
P #134	RCP	15"	32	252.76	252.60	0.50%
P #135	RCP	24"	26	251.70	251.57	0.50%
P #136	RCP	24"	89	251.37	250.06	1.47%
P #137	RCP	15"	26	250.82	250.70	0.50%
P #138	RCP	24"	87	249.73	246.63	3.56%
P #139	RCP	30"	157	244.13	242.95	0.75%
P #140	RCP	36"	121	242.40	241.45	0.78%
P #141	RCP	42"	119	240.60	239.74	0.72%
P #142	RCP	42"	78	239.54	239.00	0.69%
P #143	RCP	24"	66	239.00	238.42	0.88%
P #144	RCP	15"	231	308.82	293.73	6.54%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #145	RCP	15"	52	294.25	293.73	0.99%
P #146	RCP	15"	183	293.53	280.57	7.10%
P #147	RCP	15"	56	280.74	280.46	0.50%
P #148	RCP	15"	150	279.82	270.99	5.87%
P #149	RCP	18"	98	270.79	265.64	5.27%
P #150	RCP	15"	56	271.95	271.50	0.81%
P #151	RCP	18"	86	265.10	260.15	5.76%
P #152	RCP	18"	150	259.12	252.01	4.72%
P #153	RCP	24"	45	251.21	248.90	5.16%
P #154	RCP	24"	107	247.75	240.00	7.23%
P #155	RCP	36"	83	272.77	271.02	2.12%
P #156	RCP	15"	70	242.73	237.90	6.89%
P #157	RCP	15"	45	246.24	243.55	6.04%
P #158	CLASS IV RCP	18"	36	286.00	284.64	3.83%
P #160	RCP	15"	26	302.74	302.56	0.69%
P #161	RCP	15"	106	302.36	296.68	5.37%
P #162	RCP	15"	26	296.91	296.76	0.57%
P #163	RCP	15"	115	296.48	291.43	4.37%
P #164	RCP	15"	99	291.23	288.57	2.68%
P #165	RCP	15"	26	288.57	288.44	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #166	RCP	18"	150	288.24	282.18	4.04%
P #167	RCP	15"	26	282.61	282.48	0.50%
P #168	RCP	18"	149	281.98	269.65	8.25%
P #169	RCP	15"	26	271.06	269.74	5.07%
P #170	RCP	24"	140	268.89	262.95	4.23%
P #171	RCP	24"	46	264.70	263.36	2.88%
P #172	RCP	15"	38	266.54	266.35	0.50%
P #173	RCP	24"	68	265.52	264.92	0.89%
P #174	RCP	18"	71	266.07	265.72	0.50%
P #175	RCP	15"	150	275.15	266.27	5.91%
P #176	RCP	15"	150	285.63	275.35	6.85%
P #177	RCP	15"	150	290.09	285.83	2.84%
P #178	RCP	15"	150	296.78	290.29	4.32%
P #179	RCP	30"	26	262.75	262.44	1.19%
P #180	RCP	30"	49	262.24	259.63	5.34%
P #181	RCP	30"	82	259.43	256.17	3.99%
P #182	RCP	18"	30	259.34	256.91	8.00%
P #183	RCP	15"	147	270.25	260.64	6.54%
P #184	RCP	15"	100	278.45	270.45	8.00%
P #185	RCP	15"	38	258.29	258.11	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #186	RCP	30"	221	255.97	245.81	4.59%
P #187	RCP	30"	44	247.38	246.61	1.76%
P #188	RCP	15"	26	248.69	248.56	0.50%
P #189	RCP	24"	66	249.22	247.58	2.47%
P #190	RCP	24"	61	250.74	249.42	2.19%
P #191	RCP	15"	27	252.12	251.99	0.50%
P #192	RCP	18"	145	258.13	250.94	4.96%
P #193	RCP	15"	26	259.42	259.29	0.50%
P #194	RCP	15"	200	273.19	259.20	7.00%
P #195	RCP	15"	26	274.92	274.00	3.61%
P #196	RCP	15"	190	281.82	274.00	4.11%
P #197	RCP	18"	42	285.38	282.41	7.00%
P #198	RCP	15"	28	282.16	282.02	0.50%
P #199	RCP	15"	38	282.55	282.36	0.50%
P #200	RCP	15"	66	283.08	282.75	0.50%
P #201	RCP	15"	26	283.41	283.28	0.50%
P #202	RCP	36"	38	245.61	245.42	0.50%
P #203	RCP	36"	50	245.22	243.74	2.92%
P #204	RCP	36"	98	243.54	243.05	0.50%
P #205	RCP	36"	55	242.85	242.35	0.92%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #206	RCP	15"	150	247.99	246.02	1.31%
P #207	RCP	18"	110	245.82	245.09	0.67%
P #208	RCP	15"	53	255.38	251.12	8.00%
P #209	RCP	15"	56	249.94	247.82	3.81%
P #210	RCP	15"	26	248.13	248.00	0.50%
P #211	RCP	18"	137	247.62	245.62	1.46%
P #212	RCP	15"	31	246.51	246.35	0.50%
P #213	RCP	18"	101	245.42	244.91	0.50%
P #214	RCP	24"	77	244.71	244.32	0.50%
P #215	RCP	42"	128	242.15	241.17	0.76%
P #216	RCP	42"	191	240.97	240.00	0.51%
P #217	RCP	36"	77	240.00	238.69	1.71%
P #218	26' ARCH CULVERT (OPEN BOTTOM)	72"	74	238.00	237.63	0.50%
P #219	RCP	15"	38	246.31	246.12	0.50%
P #220	RCP	18"	150	245.92	245.17	0.50%
P #221	RCP	18"	38	245.24	245.05	0.50%
P #222	RCP	36"	115	243.02	241.04	1.72%
P #223	RCP	36"	49	240.84	240.00	1.71%
P #224	RCP	30"	203	248.06	243.22	2.38%
P #225	RCP	15"	43	263.02	261.03	4.57%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #226	RCP	15"	90	260.83	257.52	3.65%
P #227	RCP	15"	91	257.32	255.72	1.76%
P #228	RCP	15"	87	255.52	254.10	1.64%
P #229	RCP	15"	27	254.24	254.10	0.53%
P #230	RCP	18"	67	253.80	252.18	2.41%
P #231	RCP	18"	56	251.98	250.98	1.76%
P #232	RCP	18"	78	253.23	252.57	0.85%
P #233	RCP	18"	47	252.37	251.59	1.64%
P #234	RCP	18"	26	251.39	251.26	0.50%
P #235	RCP	24"	41	250.78	248.89	4.64%
P #236	RCP	30"	39	248.69	248.26	1.11%
P #237	RCP	30"	53	251.39	248.87	4.72%
P #238	RCP	24"	65	253.47	252.71	1.17%
P #239	RCP	24"	48	252.51	251.92	1.23%
P #240	RCP	24"	26	251.72	251.59	0.50%
P #241	RCP	18"	50	252.72	251.72	2.01%
P #242	RCP	18"	110	255.46	252.92	2.33%
P #243	RCP	15"	26	256.01	255.88	0.50%
P #244	RCP	18"	107	258.29	255.66	2.44%
P #245	RCP	15"	26	258.69	258.56	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #246	RCP	15"	26	258.56	258.43	0.50%
P #247	RCP	15"	26	257.89	257.76	0.50%
P #248	RCP	15"	40	257.56	257.36	0.50%
P #249	RCP	18"	27	257.16	257.03	0.50%
P #250	RCP	15"	38	277.52	276.95	1.50%
P #251	RCP	18"	131	276.75	271.30	4.15%
P #252	RCP	18"	127	271.10	265.16	4.70%
P #253	RCP	15"	38	267.23	267.04	0.50%
P #254	RCP	18"	86	264.96	260.39	5.31%
P #255	RCP	18"	88	257.93	253.67	4.84%
P #256	RCP	15"	26	259.37	259.24	0.50%
P #257	RCP	15"	99	259.04	258.55	0.50%
P #258	RCP	15"	43	258.35	258.13	0.50%
P #259	RCP	24"	114	256.83	255.54	1.13%
P #260	RCP	24"	68	255.34	254.57	1.12%
P #261	RCP	30"	109	254.37	250.79	3.29%
P #261A	RCP	30"	58	248.29	248.00	0.50%
P #263	RCP	15"	78	253.82	253.43	0.50%
P #264	RCP	15"	100	256.27	254.35	1.92%
P #265	RCP	15"	117	258.23	256.56	1.43%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #266	RCP	15"	98	254.15	253.67	0.50%
P #267	RCP	15"	100	257.20	255.70	1.50%
P #268	RCP	15"	100	255.50	253.85	1.65%
P #269	RCP	15"	165	253.61	252.26	0.82%
P #270	RCP	18"	72	249.76	248.00	2.46%
P #271	RCP	18"	60	240.00	238.50	2.49%
P #272	RCP	18"	78	246.50	240.26	8.00%
P #273	RCP	15"	26	253.33	253.20	0.50%
P #274	RCP	15"	129	253.00	252.36	0.50%
P #275	RCP	15"	89	252.16	251.43	0.82%
P #276	RCP	15"	26	251.24	251.11	0.50%
P #277	RCP	18"	111	250.71	247.39	3.00%
P #278	RCP	24"	91	247.19	245.48	1.87%
P #279	RCP	18"	26	245.90	245.48	1.62%
P #280	RCP	24"	45	245.28	245.06	0.50%
P #281	RCP	24"	39	244.86	244.61	0.63%
P #282	RCP	24"	94	244.41	243.95	0.50%
P #283	RCP	24"	26	239.39	239.26	0.50%
P #284	RCP	15"	26	247.51	245.52	7.72%
P #285	RCP	24"	82	243.75	243.33	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #286	RCP	24"	84	243.13	242.71	0.50%
P #287	RCP	18"	26	244.04	243.91	0.50%
P #288	RCP	30"	62	242.51	242.21	0.50%
P #289	RCP	30"	77	242.01	241.62	0.50%
P #290	RCP	15"	26	243.86	242.75	4.22%
P #291	RCP	30"	156	241.42	240.64	0.50%
P #292	RCP	30"	100	240.44	239.94	0.50%
P #293	RCP	24"	64	241.00	240.68	0.50%
P #294	RCP	30"	30	240.48	240.33	0.50%
P #295	RCP	36"	116	239.74	239.16	0.50%
P #296	RCP	15"	82	261.63	257.68	4.84%
P #297	RCP	15"	32	262.22	261.83	1.24%
P #298	RCP	15"	40	257.48	255.42	5.10%
P #299	RCP	15"	108	255.05	253.58	1.36%
P #300	RCP	18"	26	253.38	253.25	0.50%
P #301	RCP	18"	52	253.05	252.79	0.52%
P #302	RCP	15"	28	253.14	252.72	1.50%
P #303	RCP	18"	150	252.52	248.50	2.67%
P #304	RCP	15"	26	249.46	248.94	2.00%
P #305	RCP	18"	135	248.30	244.57	2.78%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #306	RCP	15"	26	245.35	245.22	0.50%
P #307	RCP	18"	160	244.37	242.60	1.10%
P #308	RCP	15"	26	243.56	243.25	1.16%
P #309	RCP	24"	55	242.40	240.43	3.58%
P #310	RCP	30"	26	240.23	239.27	3.70%
P #311	RCP	36"	60	238.90	238.30	1.00%
P #312	RCP	15"	141	240.55	238.16	1.69%
P #313	RCP	15"	159	245.74	240.75	3.14%
P #314	CLASS IV RCP	18"	60	236.92	236.62	0.50%
P #315	RCP	30"	31	238.46	238.30	0.50%
P #316	RCP	42"	68	237.34	237.00	0.50%
P #317	RCP	15"	127	244.91	242.96	1.53%
P #318	RCP	15"	120	242.76	242.16	0.50%
P #319	RCP	15"	153	248.39	243.41	3.24%
P #320	RCP	18"	91	241.96	241.51	0.50%
P #321	RCP	24"	22	241.31	241.20	0.50%
P #322	RCP	15"	170	249.76	245.96	2.23%
P #323	RCP	18"	168	245.69	240.78	2.92%
P #324	RCP	24"	22	238.78	238.66	0.57%
P #325	RCP	18"	88	237.00	236.56	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #327	RCP	42"	112	238.10	237.54	0.50%
P #328	CLASS IV RCP	18"	108	236.42	235.88	0.50%
P #329	CLASS IV RCP	24"	137	235.68	235.00	0.50%
P #330	RCP	24"	60	239.06	238.51	0.90%
P #331	RCP	18"	41	237.32	237.12	0.50%
P #332	RCP	15"	25	270.31	269.35	3.78%
P #333	CLASS IV RCP	24"	19	234.80	234.65	0.78%
RELOCATION EX. P #02	RCP	18"	45	283.50	281.31	4.83%
RELOCATION EX. P #04	RCP	18"	22	283.85	283.74	0.50%
RELOCATION EX. P #05	RCP	24"	67	289.66	288.37	1.93%
RELOCATION EX. P #06	RCP	15"	27	283.82	283.69	0.50%
RELOCATION EX. P #07	RCP	15"	43	279.64	279.31	0.76%

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK ENGINEERING GROUP

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-8.10

56 OF 82

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

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	290.53		287.77 W
CB #02	2' X 3'	292.17	286.71 E	286.51 W
CB #03	2' X 3'	292.06	286.15 E	285.95 W
CB #04	2' X 3'	290.70	285.60 E	285.40 W
CB #05	2' X 3'	288.14	284.89 E	284.69 W
CB #06	2' X 3'	285.75		281.29 NE
CB #07	2' X 3'	283.70	279.14 SW	278.94 N
CB #08	2' X 3'	283.31	278.66 S	278.46 NW
CB #09	2' X 3'	282.52		277.58 E
CB #10	2' X 3'	282.49	277.34 W 277.34 SE	277.14 N
CB #11	2' X 3'	280.30		275.76 E
CB #12	2' X 3'	280.32	275.39 S 275.63 W	275.19 NE
CB #13	2' X 3'	279.80	274.69 SW	274.49 E
CB #14	2' X 3'	279.19		274.71 S
CB #15	2' X 3'	279.18	273.80 W 274.58 N	273.60 E
CB #16	2' X 3'	275.48		270.89 S
CB #17	2' X 3'	275.46	270.05 W 270.76 N	269.85 E
CB #18	2' X 3'	273.89	268.60 W	268.40 E
CB #19	2' X 3'	278.35		273.92 N
CB #20	2' X 3'	278.19	273.76 S	273.56 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #21	2' X 3'	275.00		270.54 N
CB #22	2' X 3'	274.88	270.22 S 270.13 W	269.93 E
CB #23	2' X 3'	273.62	268.18 S	267.73 NW
CB #24	2' X 3'	273.37	267.49 SE 268.50 W	266.91 NE
CB #25	2' X 3'	272.30	266.50 SW	265.90 N
CB #26	2' X 3'	273.31	264.77 S 266.98 W	264.57 N
CB #27	2' X 3'	273.30	264.44 S	264.24 W
CB #28	2' X 3'	273.41	264.10 E	263.90 N
CB #29	2' X 3'	273.77	268.66 W	268.21 E
CB #30	2' X 3'	273.48	268.07 W	267.87 N
CB #31	2' X 3'	270.75		266.15 E
CB #32	2' X 3'	270.55	265.38 S 264.58 W 264.58 E	264.38 N
CB #33	2' X 3'	265.30		260.89 E
CB #34	2' X 3'	265.29	260.06 S 260.63 W	259.86 N
CB #35 (DOUBLE)	2' X 3'	262.50		258.75 E
CB #36	2' X 3'	262.50	257.94 S 257.85 W 257.85 E	257.65 N
CB #37	2' X 3'	259.78		249.86 E
CB #38	2' X 3'	259.13	249.50 S 249.50 W	248.50 N
CB #39	2' X 3'	290.67	286.64 SW	286.44 E
CB #40	2' X 3'	288.98	284.19 W	283.83 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #41	2' X 3'	285.23	281.22 W	281.02 NE
CB #42	2' X 3'	293.98		289.66 NW
CB #43	2' X 3'	294.69	289.34 SE	289.14 W
CB #44	2' X 3'	305.72		300.49 S
CB #45	2' X 3'	294.07	288.92 E 288.32 N	288.12 S
CB #46	2' X 3'	292.83	287.56 N 288.37 E	287.36 W
CB #47	2' X 3'	289.80	285.45 E	285.25 W
CB #48	2' X 3'	287.46	283.20 E	282.79 W
CB #48A	2' X 3'	286.03	281.66 E	281.46 W
CB #49	2' X 3'	284.97	280.75 E	280.55 W
CB #50	2' X 3'	284.44	280.31 SE 280.31 SW 279.78 E	279.23 N
CB #51	2' X 3'	280.37		275.08 W
CB #52	2' X 3'	280.35	276.24 S 274.82 E	273.99 N
CB #53	2' X 3'	277.39		272.44 W
CB #54	2' X 3'	277.37	271.20 S 272.31 E	271.00 NW
CB #55	2' X 3'	275.12	269.87 SE	269.67 NW
CB #56	2' X 3'	269.95		267.04 SE
CB #57	2' X 3'	274.21	266.64 NW	266.44 NE
CB #58	2' X 3'	274.18	266.25 SW 266.25 SE	266.05 N
CB #59	2' X 3'	273.23	265.55 S	265.35 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #60	2' X 3'	273.20	265.22 W	265.02 E
CB #61	2' X 3'	296.43		291.99 SE
CB #62	2' X 3'	296.14	291.38 NW	291.18 W
CB #63	2' X 3'	288.09		283.66 S
CB #64	2' X 3'	287.96	283.33 E 283.33 N	283.13 W
CB #65	2' X 3'	278.58		274.09 S
CB #66	2' X 3'	278.50	273.96 N 273.91 E	273.15 W
CB #67	2' X 3'	271.99		268.28 E
CB #68	2' X 3'	271.99	267.55 W	267.35 NE
CB #69	2' X 3'	272.74	267.11 SW 267.25 E	266.91 N
CB #70	2' X 3'	272.71	266.78 S	266.58 NW
CB #71	2' X 3'	271.12		266.68 E
CB #72	2' X 3'	271.40	266.34 SE 266.55 W	265.69 NW
CB #73	2' X 3'	270.61	265.32 SE	265.12 NW
CB #74	2' X 3'	266.44		261.91 NE
CB #75	2' X 3'	266.44	261.19 SE 261.79 SW	260.99 NW
CB #76	2' X 3'	258.87		254.46 NE
CB #77	2' X 3'	258.98	254.33 SW 253.64 SE	253.44 NW
CB #78	2' X 3'	251.32		246.80 E
CB #79	2' X 3'	251.30	245.22 S 246.63 W	245.02 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #80	2' X 3'	255.33		250.87 S
CB #81	2' X 3'	255.32	250.74 N	250.54 W
CB #82	2' X 3'	251.40	244.77 S 246.42 E	244.57 N
CB #83	2' X 3'	251.39	244.44 S	244.24 NW
CB #84	2' X 3'	248.77	242.63 SE	242.39 N
CB #85	2' X 3'	248.12		243.66 E
CB #86	2' X 3'	248.01	243.51 W 241.81 S	241.61 N
CB #87	2' X 3'	265.02		260.31 S
CB #88	2' X 3'	264.47	259.45 N	259.25 SW
CB #89	2' X 3'	257.05		252.76 NE
CB #90	2' X 3'	259.01	252.60 SW 252.81 SE	251.70 NE
CB #91	2' X 3'	258.88	251.57 SW	251.37 NW
CB #92	2' X 3'	255.26		250.82 NE
CB #93	2' X 3'	255.31	250.06 SE 250.70 SW	249.73 NW
CB #94	2' X 3'	313.67		308.82 NW
CB #95	2' X 3'	298.71		294.25 SW
CB #96	2' X 3'	298.22	293.73 NE 293.73 SE	293.53 NW
CB #97	2' X 3'	285.02		280.74 SW
CB #98	2' X 3'	285.14	280.57 SE 280.46 NE	279.82 NW
CB #99	2' X 3'	275.93	270.99 SE 271.50 NE	270.79 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #100	2' X 3'	276.38		271.95 SW
CB #101	2' X 3'	270.88	265.64 SE	265.10 NW
CB #102	2' X 3'	266.43	260.15 SE	259.12 NW
CB #103	2' X 3'	258.56	248.90 SW	247.75 NE
CB #104	2' X 3'	259.32	252.01 SE	251.21 NE
CB #105	2' X 3'	250.80	243.55 NE	242.73 W
CB #105A	2' X 3'	241.11	237.12 NW	236.92 S
CB #105B	2' X 3'	250.83		246.24 SW
CB #106	2' X 3'	307.18		302.74 W
CB #107	2' X 3'	307.00	302.56 E	302.36 N
CB #108	2' X 3'	301.29		296.91 SW
CB #109	2' X 3'	301.42	296.76 NE 296.68 S	296.48 NW
CB #110	2' X 3'	296.15	291.43 SE	291.23 NW
CB #111	2' X 3'	293.25		288.57 SW
CB #112	2' X 3'	293.25	288.57 SE 288.44 NE	288.24 NW
CB #113	2' X 3'	287.04		282.61 SW
CB #114	2' X 3'	287.02	282.48 NE 282.18 SE	281.98 NW
CB #115	2' X 3'	275.36		271.06 SW
CB #116	2' X 3'	275.40	269.74 NE 269.65 SE	268.89 NW
CB #117	2' X 3'	269.36	262.95 SE 263.36 W	262.75 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #118	2' X 3'	270.95		266.54 SE
CB #119	2' X 3'	270.97	266.35 NW 264.92 SW	264.70 E
CB #120	2' X 3'	272.51	265.72 SE	265.52 NE
CB #121	2' X 3'	269.03	262.44 SW	262.24 N
CB #122	2' X 3'	266.52	259.63 S	259.43 NE
CB #123	2' X 3'	262.73		258.29 SE
CB #124	2' X 3'	262.72	256.17 SW 258.11 NW 256.91 S	255.97 NE
CB #125	2' X 3'	252.95	246.61 E 245.81 SW	245.61 NW
CB #126	2' X 3'	252.92		248.69 SW
CB #127	2' X 3'	252.92	248.56 NE 247.58 SE	247.38 W
CB #128	2' X 3'	254.72	249.42 S	249.22 NW
CB #129	2' X 3'	256.63		252.12 W
CB #130	2' X 3'	256.44	250.94 S 251.99 E	250.74 N
CB #131	2' X 3'	263.54		259.42 W
CB #132	2' X 3'	263.55	259.29 E 259.20 S	258.13 N
CB #133	2' X 3'	278.67		274.92 W
CB #134	2' X 3'	278.63	274.00 E 274.00 S	273.19 N
CB #135	2' X 3'	297.12		285.38 N
CB #136	2' X 3'	293.50	282.02 E 282.41 S	281.82 N
CB #137	2' X 3'	293.68	282.36 SE	282.16 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #138	2' X 3'	292.75	282.75 E	282.55 NW
CB #139	2' X 3'	287.84	283.28 S	283.08 W
CB #140	2' X 3'	287.84		283.41 N
CB #141	2' X 3'	252.93	245.42 SE	245.22 N
CB #142	2' X 3'	260.08		255.38 NE
CB #143	2' X 3'	255.56	251.12 SW	249.94 NE
CB #144	2' X 3'	252.81		248.13 SE
CB #145	2' X 3'	252.79	247.82 SW 248.00 NW	247.62 NE
CB #146	2' X 3'	251.23		246.51 E
CB #147	2' X 3'	251.11	245.62 SW 246.35 W	245.42 NE
CB #148	2' X 3'	250.41	244.91 SW	244.71 NE
CB #149	2' X 3'	249.97	242.35 SE 244.32 SW	242.15 NW
CB #150	2' X 3'	250.75		246.31 NW
CB #151	2' X 3'	250.75	246.12 SE	245.92 NE
CB #152	2' X 3'	249.93		245.24 NW
CB #153	2' X 3'	249.93	243.22 NE 245.05 SE 245.17 SW	243.02 NW
CB #154	2' X 3'	267.45		263.02 S
CB #155	2' X 3'	265.33	261.03 N	260.83 W
CB #156	2' X 3'	261.93	257.52 E	257.32 W
CB #157	2' X 3'	260.25	255.72 E	255.52 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #158	2' X 3'	258.82		254.24 SW
CB #159	2' X 3'	258.66	254.10 NE 254.10 SE	253.80 NW
CB #160	2' X 3'	257.43	252.18 SE	251.98 NW
CB #161	2' X 3'	260.87	253.43 SE	253.23 W
CB #162	2' X 3'	257.27	252.57 E	252.37 S
CB #163	2' X 3'	256.10	251.59 N	251.39 SW
CB #164	2' X 3'	256.38	251.26 NE 250.98 SE	250.78 W
CB #165	2' X 3'	254.77	248.89 E	248.69 NW
CB #166	2' X 3'	254.75	248.26 SE 248.87 N	248.06 SW
CB #167	2' X 3'	259.74	253.67 N 253.67 E	253.47 W
CB #168	2' X 3'	257.31	252.71 E	252.51 NW
CB #169	2' X 3'	256.65	251.92 SE	251.72 W
CB #170	2' X 3'	256.66	251.72 N 251.59 E	251.39 S
CB #171	2' X 3'	257.82	252.92 N	252.72 S
CB #172	2' X 3'	260.49		256.01 W
CB #173	2' X 3'	260.49	255.88 E 255.66 N	255.46 S
CB #174	2' X 3'	263.14		258.69 W
CB #174A	2' X 3'	263.14	258.56 E	258.29 S
CB #175	2' X 3'	263.00		258.56 S
CB #176	2' X 3'	263.00	258.43 N	258.23 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #177	2' X 3'	262.33		257.89 S
CB #178	2' X 3'	262.33	257.76 N	257.56 SE
CB #179	2' X 3'	262.38	257.36 NW	257.16 E
CB #180	2' X 3'	281.96		277.52 N
CB #181	2' X 3'	281.95	276.95 S	276.75 W
CB #182	2' X 3'	276.64	271.30 E	271.10 W
CB #183	2' X 3'	271.66		267.23 N
CB #184	2' X 3'	271.67	267.04 S 265.16 E	264.96 W
CB #185	2' X 3'	263.81	259.24 E	259.04 S
CB #185A	2' X 3'	267.02	258.55 N	258.35 SW
CB #185B	2' X 3'	265.10	258.13 NE 260.39 E	257.93 W
CB #186	2' X 3'	263.81		259.37 W
CB #187	2' X 3'	262.30	257.03 W	256.83 N
CB #188	2' X 3'	261.03	255.54 S	255.34 N
CB #189	2' X 3'	260.40	254.57 S	254.37 NE
CB #190	2' X 3'	257.52		253.33 S
CB #191	2' X 3'	257.60	253.20 N	253.00 E
CB #192	2' X 3'	256.62	252.36 W	252.16 E
CB #193	2' X 3'	255.68		251.24 S
CB #194	2' X 3'	255.68	251.43 W 251.11 N	250.71 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #195	2' X 3'	252.10	247.39 W	247.19 E
CB #196	2' X 3'	250.34		245.90 S
CB #197	2' X 3'	250.34	245.48 N 245.48 W	245.28 SE
CB #198	2' X 3'	250.70	245.06 NW	244.86 SE
CB #199	2' X 3'	250.71	244.61 NW	244.41 S
CB #199A	2' X 3'	244.42		239.39 S
CB #200	2' X 3'	250.73		247.51 E
CB #200A	2' X 3'	244.42	239.26 N	239.06 SE
CB #201	2' X 3'	250.73	243.95 N 245.52 W	243.75 SW
CB #202	2' X 3'	250.29	243.33 NE	243.13 SW
CB #203	2' X 3'	249.87		244.04 SE
CB #204	2' X 3'	249.86	242.71 NE 243.91 NW	242.51 SW
CB #205	2' X 3'	249.53	242.21 NE	242.01 SW
CB #206	2' X 3'	249.15		243.86 S
CB #207	2' X 3'	249.12	241.62 NE 242.75 N	241.42 SW
CB #208	2' X 3'	248.17	241.20 N	241.00 SW
CB #208A	2' X 3'	248.29	240.64 NE	240.44 SW
CB #209	2' X 3'	247.82	240.68 NE	240.48 S
CB #210	2' X 3'	247.76	239.94 NE 240.33 N	239.74 SW
CB #211	2' X 3'	266.07	261.83 N	261.63 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #212	2' X 3'	262.12	257.68 N	257.48 SE
CB #213	2' X 3'	259.94	255.42 NW	255.05 E
CB #214	2' X 3'	258.71	253.58 W	253.38 S
CB #215	2' X 3'	258.68	253.25 N	253.05 SE
CB #216	2' X 3'	257.61	252.72 E 252.79 NW	252.52 S
CB #217	2' X 3'	257.50		253.14 W
CB #218	2' X 3'	254.42		249.46 W
CB #219	2' X 3'	254.40	248.94 E 248.50 N	248.30 S
CB #220	2' X 3'	251.62		245.35 W
CB #221	2' X 3'	251.61	245.22 E 244.57 N	244.37 S
CB #222	2' X 3'	248.57		243.56 W
CB #223	2' X 3'	248.10	243.25 E 242.60 N	242.40 SW
CB #224	2' X 3'	246.27	240.43 NE	240.23 S
CB #225	2' X 3'	246.24	239.27 N 239.16 NE	238.90 SW
CB #226	2' X 3'	248.99		245.74 S
CB #227	2' X 3'	244.35	240.75 N	240.55 S
CB #228	2' X 3'	239.80	236.62 N	236.42 SE
CB #229	2' X 3'	241.23	238.16 N	237.32 SE
CB #230	2' X 3'	238.41	235.88 NW	235.68 SE
CB #231	2' X 3'	242.69	238.66 N	238.46 SE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #232	2' X 3'	243.54	238.30 NE 238.30 NW	238.10 SE
EX. GTI	2' X 3'	239.22	235.00 NW	234.80 NE

OCS TABLE			
OCS NO	SIZE	TOP	INV. OUT
OCS #401	2' X 3'	265.60	262.00 N
OCS #402	2' X 3'	242.50	238.00 N
OCS #403	2' X 3'	243.25	239.00 N
OCS #404	2' X 3'	267.00	264.00 W
OCS #405	2' X 3'	244.50	240.00 NW
OCS #406	2' X 3'	244.00	240.00 N
OCS #407	2' X 3'	253.00	246.50 NW
OCS #408	2' X 3'	241.25	237.00 SE

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #201	2' X 3'	278.67		274.23 W
DI #202	2' X 3'	275.17	270.74 E	270.54 W
DI #203	2' X 3'	272.16	267.72 E	267.52 SW
DI #204	2' X 3'	270.25	265.82 NE 264.90 SE	264.70 NW
DI #205	2' X 3'	260.73		256.03 W
DI #206	2' X 3'	258.57	253.94 E	253.74 W
DI #207	2' X 3'	257.04	252.62 E	252.42 SW
DI #208	2' X 3'	256.20	250.97 SE 251.79 NE	250.39 N
DI #209	2' X 3'	284.71		280.26 SW
DI #210	2' X 3'	282.19	277.75 NE 277.75 SE	277.55 NW
DI #211	2' X 3'	289.60	278.67 E	278.47 NW
DI #212	2' X 3'	272.84	268.14 SE	267.60 NW
DI #213	2' X 3'	282.82		279.45 NW
DI #214	2' X 3'	276.65		272.53 SE
DI #215	2' X 3'	278.27	274.43 SE 272.31 NW	272.10 SW
DI #216	2' X 3'	272.00	267.59 NE	267.33 SW
DI #217	2' X 3'	267.11	262.54 NE 262.26 SE	261.87 NW
DI #218	2' X 3'	263.22	258.52 NE 258.35 SE	258.06 NW
DI #219	2' X 3'	252.39	246.63 SE	244.13 SW
DI #220	2' X 3'	249.10	242.95 NE	242.40 SW
DI #221	2' X 3'	247.40	241.45 NE 240.80 S	240.60 NW

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #301	36"	265.42		262.00 SE
FES #302	24"	263.87		261.54 S
FES #303	30"	242.88		240.00 SE
FES #304	24"	236.33		234.00 S
FES #305	24"	242.33		240.00 SW
FES #306	42"	242.96		239.00 SE
FES #307	24"	240.75		238.42 S
FES #308	30"	266.88		264.00 W
FES #309	18"	264.96		263.17 E
FES #310	15"	239.42		237.90 E

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #311	42"	243.96		240.00 E
FES #312	36"	242.10		238.69 SE
FES #313	36"	243.42		240.00 S
FES #314	18"	240.29		238.50 S
FES #315	30"	250.88		248.00 S
FES #316	18"	242.05		240.26 SE
FES #317	42"	240.96		237.00 NW
FES #318	18"	238.36		236.56 NW
FES #319	24"	240.85		238.51 NW
FES #320	18"	249.79		248.00 SE

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #633	2' X 3'	259.08	254.35 N	254.15 S
YI #634	2' X 3'	261.61		257.20 N
YI #635	2' X 3'	260.27	255.70 S	255.50 N
YI #636	2' X 3'	257.75	253.85 S	253.61 N
YI #637	2' X 3'	258.50	252.26 S	249.76 NW
YI #638	2' X 3'	251.30		244.91 SW
YI #639	2' X 3'	250.00	242.96 NE	242.76 SW
YI #640	2' X 3'	252.83		248.39 S
YI #641	2' X 3'	249.58	243.41 N 242.16 NE	241.96 S
YI #642	2' X 3'	249.00	241.51 N	241.31 S
YI #643	2' X 3'	254.20		249.76 S
YI #644	2' X 3'	250.39	245.96 N	245.69 S
YI #645	2' X 3'	246.37	240.78 N	238.78 S
YI #646	2' X 3'	243.95	237.54 NW	237.34 SE
YI #647	2' X 3'	266.66		262.22 S

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #601	2' X 3'	282.48		278.05 E
YI #602	2' X 3'	278.38	273.94 W	273.30 E
YI #603	2' X 3'	276.46	271.71 W	271.51 E
YI #604	2' X 3'	274.00	269.29 W	268.75 N
YI #605	2' X 3'	279.78		275.34 E
YI #606	2' X 3'	277.20	272.76 W	272.44 E
YI #607	2' X 3'	274.74	270.24 W	270.04 E
YI #608	2' X 3'	273.35	265.48 S 267.78 W	265.28 N
YI #609	2' X 3'	277.94		273.50 E
YI #610	2' X 3'	274.44	270.00 W	269.80 E
YI #611	2' X 3'	271.00	266.56 W	266.36 NE
YI #612	2' X 3'	279.98		275.45 N
YI #613	2' X 3'	277.95	273.43 S	273.22 N
YI #614	2' X 3'	274.40	269.44 S	269.24 E
YI #615	2' X 3'	275.50		271.06 N
YI #616	2' X 3'	270.81	265.90 S	265.70 W

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #617	2' X 3'	263.20		259.49 W
YI #618	2' X 3'	283.30		278.86 W
YI #619	2' X 3'	279.80	275.35 SE	275.15 NW
YI #620	2' X 3'	290.27	285.83 SE	285.63 NW
YI #621	2' X 3'	295.28	290.29 SE	290.09 NW
YI #622	2' X 3'	301.57		296.78 NW
YI #623	2' X 3'	264.10	260.64 SE	259.34 N
YI #624	2' X 3'	275.14	270.45 SE	270.25 NW
YI #625	2' X 3'	283.26		278.45 NW
YI #626	2' X 3'	250.05	243.74 S 245.09 SW	243.54 NW
YI #627	2' X 3'	250.32	243.05 SE	242.85 NW
YI #628	2' X 3'	252.43		247.99 NE
YI #629	2' X 3'	250.60	246.02 SW	245.82 NE
YI #630	2' X 3'	258.26		253.82 NW
YI #631	2' X 3'	270.79	266.27 SE	266.07 NW
YI #632	2' X 3'	261.00	256.56 N	256.27 S

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
CB #38A	???'	258.26	244.18 S	243.98 NE
JUNCTION #01	4'	293.59	289.86 SE	289.66 W
JUNCTION #02	4'	285.22	281.31 S	281.11 NW
JUNCTION #03	4'	290.92	287.16 S	286.96 NE
SDMH #501	4'	269.00	262.68 S 263.80 SW	262.48 NW
SDMH #502	4'	251.07	240.74 SW	240.54 NW
SDMH #503	4'	246.50	239.74 SE	239.54 NW
SDMH #505	4'	246.52	241.17 SE	240.97 W
SDMH #506	4'	246.84	241.04 SE	240.84 N

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
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

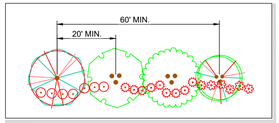
STORM DRAINAGE TABLES

DRAWING SHEET

C-8.11

57 OF 82

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.



30' STREET YARD BUFFER

NOTES:

SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS

LANDSCAPING NOTES:

1. BUFFERS SHALL BE PLATTED AS SEPARATE TRACTS TO BE OWNED AND MAINTAINED BY THE HOA OR SIMILAR ENTITY.

2. OPEN SPACE RECORDED AS A CONSERVATION EASEMENT SHALL BE INDICATED ON ALL DEVELOPMENT APPROVALS.

TOWNHOME NOTES:

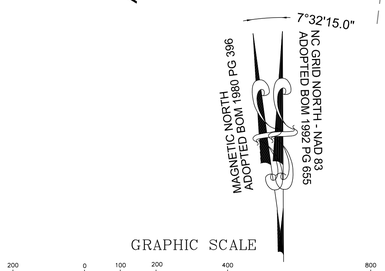
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING
STREET TREES								
	ACE FLD	51	**ACER FLORIDANUM**	**SOUTHERN SUGAR MAPLE**	12' HT.	B&B	3.0"	40' OC
	ACE SCR	57	**ACER X FREEMANII 'SCARSEN'**	**SCARLET SENTINEL® RED MAPLE**	12' HT.	B&B	3.0"	40' OC
	CAR FST	20	**CARPINUS BETULUS 'FASTIGIATA'**	**UPRIGHT EUROPEAN HORNBEAM**	12' HT.	B&B	3.0"	40' OC
	CLA LUT	39	**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	37	**GLEDITSIA TRIACANTHOS F. INERMIS**	**THORNLESS HONEY LOCUST**	12' HT.	B&B	3.0"	40' OC
	NYS SYL	40	**NYSSA SYLVATICA**	**TUPELO**	12' HT.	B&B	3.0"	40' OC
	PIS SAR	43	**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	45	**QUERCUS BICOLOR 'BONNIE AND MIKE'**	**BEACON® OAK**	12' HT.	B&B	3.0"	40' OC
	QUE UIY	27	**QUERCUS HEMISPHAERICA 'QHMTF'**	**AVALYN™ LAUREL OAK**	12' HT.	B&B	3.0"	40' OC
	QUE SHU	46	**QUERCUS SHUMARDII**	**SHUMARD OAK**	12' HT.	B&B	3.0"	40' OC
	TIL AME	54	**TILIA AMERICANA**	**AMERICAN LINDEN**	12' HT.	B&B	3.0"	40' OC
SUBTOTAL:		**512**						
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	62	**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:		**254**						

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DETAIL
BUFFER SHRUBS								
	ILE CON	475	**ACER FLORIDANUM**	**CONVEX-LEAVED JAPANESE HOLLY**	2' HT.	POT	48' O.C.	
	LOR ' 'C	512	**LOROPETALUM CHINENSE RUBRUM 'CAROLINA MIDNIGHT'**	**CAROLINA MIDNIGHT FRINGE FLOWER**	2' HT.	POT	48' O.C.	
	PRU CSL	499	**PRUNUS LUSITANICA 'ANGUSTIFLOLIA'**	**PORTUGAL LAUREL**	3 GAL.	POT	48' O.C.	
SUBTOTAL:		**1486**						





GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

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 LANDSCAPE PLAN

DRAWING SHEET

C-9.0

58 OF 82

PROGRESS PLOT DATE: 12/13/2024

CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES
PIN: 1757484609
DB 2305 PG 673
ZONING: R-30 (WC)
USE: SF

BENJAMIN FERRELL
PIN: 1757485713
DB 1697 PG 465
ZONING: R-30 (WC)
USE: SF

ALESHIA FERRELL & ARRON WALKER
PIN: 1757486733
DB 6374 PG 89
BM 1996 PG 00524
ZONING: R-30 (WC)
USE: SF

15.0' TYPE II PERIMETER BUFFER

CHRIST HOLINESS CHURCH #1
PIN: 1757487783
DB 2928 PG 328
ZONING: R-30 (WC)
USE: CH

CHRIST HOLINESS CHURCH #1
PIN: 1757489733
DB 4321 PG 788
ZONING: R-30 (WC)
USE: VA

CHRIST HOLINESS CHURCH #1
PIN: 1757580764
DB 9467 PG 430
ZONING: R-30 (WC)
USE: VA

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

RET. WALL BY OTHERS (TYP.)
GENERIC WOODEN PRIVACY FENCE 6' TALL
PROPERTY LINE (TYP.)
PHASE LINE (TYP.)
30.0' EXISTING TOWN OF ROLESVILLE INTERCEPTOR BAY 1992 PG 655 HARRIS CREEK

THE OVERHEAD POWER WILL BE RELOCATED

FUTURE DAYS WAY
50' PUBLIC R/W

BALLFIELD

30.0' STREET YARD BUFFER

STREET LIGHT (TYP.)

SMALL IPEMA PLAYGROUND

CORNELL GARDEN STREET
50' PUBLIC R/W

SCM #6
WET POND

10.0' BERM

PRIMITIVE TRAIL

JONESVILLE RD
100' R/W

SWAMP/MARSH HARRIS CREEK

STREAM A "HARRIS CREEK"

POLLINATOR GARDEN

SOUNDGARDEN COURT
50' PUBLIC R/W

10.0' WIDE PRIVATE MULTI-USE PATHWAY

20.0' BUFFER ZONE 2 (TYP.)

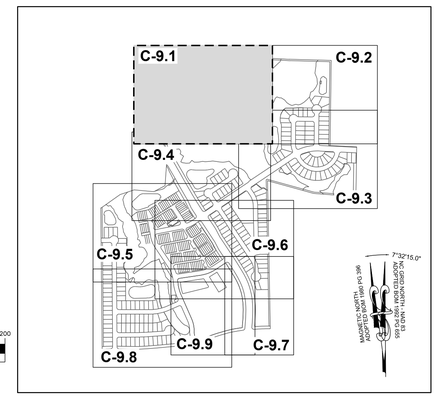
30.0' BUFFER ZONE 1 (TYP.)

MATCH LINE
FOR CONTINUATION, SEE C-9.2

MATCH LINE
FOR CONTINUATION, SEE C-9.4

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

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 LANDSCAPE PLAN I

DRAWING / SHEET
C-9.1

59 OF 82

PROGRESS PLOT DATE: 12/13/2024

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

30.0' ENSTRM/GREENWAY EASEMENT
TOWN OF ROLESVILLE
INTERCOTOR BM 1992 PG 555

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

STREAM A "HARRIS CREEK"

STREAM B

BUFFER ZONE 1 (TYP.) 20.0'

BUFFER ZONE 1 (TYP.) 30.0'

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

22+67

22+00

SOUNDGARDEN COURT
50' PUBLIC R/W

POLLINATOR GARDEN

MATCH LINE
FOR CONTINUATION, SEE C-9.1

W1

10.0' GREENWAY TRAIL

SCM #5
WET POND

PROPERTY LINE (TYP.)

10.0' BERM

SWAMP/MARSH
HARRIS CREEK

RET. WALL BY OTHERS (TYP.)

PHASE LINE (TYP.)

10.0' GREENWAY

SWAMP/MARSH
HARRIS CREEK

PARKOUR COURSE

30.0' GREENWAY EASEMENT

15.0' TYPE II
PERIMETER BUFFER

14+34

14+00

STREET LIGHT (TYP.)

SUPERSONIC WAY
50' PUBLIC R/W

14+00

16+53

13+00

15+00

16+00

MATCH LINE
FOR CONTINUATION, SEE C-9.3

13+00

12+00

10.0' BERM

10.0' GREENWAY TRAIL

SCM #4
WET POND

SUPERSONIC WAY
50' PUBLIC R/W

12+00

LUKIN LANE
50' PUBLIC R/W

11+00

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

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

C-9.1
C-9.2
C-9.4
C-9.3
C-9.5
C-9.6
C-9.9
C-9.7
C-9.8

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 555

SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

7°32'15.0"
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 555

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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 LANDSCAPE PLAN II

DRAWING SHEET

C-9.2

60 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

MATCH LINE
FOR CONTINUATION, SEE C-9.2

MATCH LINE
FOR CONTINUATION, SEE C-9.4

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

LIGHTNING BOLT LANE
67' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

PARACHUTE PLACE
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

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

SCM #4
WET POND

SMALL IPEMA
PLAYGROUND

AMENITY CENTER

LAWN AND
NATURAL AREAS

LAWN AND
NATURAL AREAS

SWAMP/MARSH
HARRIS CREEK

STREAM A "HARRIS CREEK"

STREAM E

STREAM H

W1

W2

100YR FLOOD

500YR FLOOD

0.2% ANNUAL CHANCE
FLOOD HAZARD

WTLD

10.0'
GREENWAY TRAIL

30.0' GREENWAY
EASEMENT

10.0'
GREENWAY

10.0'
BERM

RET. WALL BY OTHERS (TYP.)

STREET LIGHT (TYP.)

PROPERTY LINE (TYP.)

FUTURE GRO PEG
RD IMPROVEMENTS
TO BE DETERMINED

PHASE LINE (TYP.)

15.0'
TYPE II PERIMETER BUFFER

GENERIC WOODEN
PRIVACY FENCE 6' TALL

30.0' STREET YARD
BUFFER

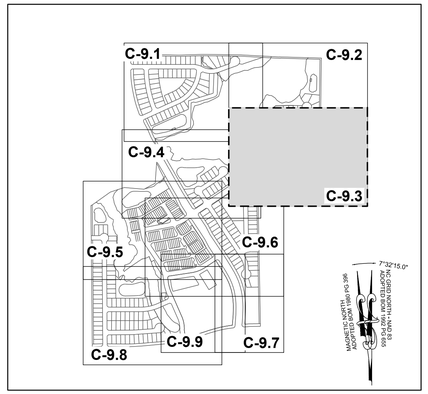
30.0'
BUFFER ZONE 1 (TYP.)

20.0'
BUFFER ZONE 2 (TYP.)

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
PIN: 1757660324
DB 10124 PG 2778
LOT 1- BM 2002 PG 991
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES
PIN: 1757664956
DB 19081 PG 2786
LOT 2A- BM 1982 PG 00581
ZONING: R-30 (WC)
USE: VA



SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 LANDSCAPE PLAN III

DRAWING SHEET

C-9.3

61 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

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-9.1 C-9.2 C-9.4 C-9.3 C-9.5 C-9.6 C-9.9 C-9.7 C-9.8

MATCH LINE
FOR CONTINUATION, SEE C-9.1

MATCH LINE
FOR CONTINUATION, SEE C-9.3

MATCH LINE
FOR CONTINUATION, SEE C-9.5

W1 SWAMP/MARSH HARRIS CREEK

W3 SWAMP/MARSH HARRIS CREEK

STREAM A "HARRIS CREEK"

STREAM E

BRIDGE

PHASE LINE (TYP.)

PROPERTY LINE (TYP.)

PROPOSED OVERHEAD POWER RELOCATION

EXISTING 30' TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1980 PG 396

BUFFER ZONE 1 (TYP.) 30.0'

BUFFER ZONE 2 (TYP.) 20.0'

0.2% ANNUAL CHANCE FLOOD HAZARD

RET. WALL BY OTHERS (TYP.)

10.0' GREENWAY TRAIL

10.0' BERM

30.0' GREENWAY EASEMENT

15.0' TYPE II PERIMETER BUFFER

SCM #3 WET POND

SCM #7 WET POND

AMENITY CENTER

STREET LIGHT (TYP.)

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

JONESVILLE RD
100' R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

LIGHTNING BOLT LANE
67' PUBLIC R/W

40+00 41+00 42+00 43+00 44+00 45+00 36+00 37+00 38+00 39+00 35+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL LANDSCAPE PLAN IV

DRAWING SHEET

C-9.4

62 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

TOWNHOME NOTES:

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

MATCH LINE
FOR CONTINUATION, SEE C-9.4

STREAM A "HARRIS CREEK"

SCM #7 WET POND

SCM #8 WET POND

KENNETH INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

10.0' GREENWAY TRAIL

10.0' BERM

10' BOARDWALK

RET. WALL BY OTHERS (TYP.)

STREAM I

STREAM G

STREAM J

W3

W4

W6

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

30.0' GREENWAY EASEMENT

EXISTING DRAINED POND

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

POCKET PARK II

STREET LIGHT (TYP.)

MCCREADY COURT
50' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

POCKET PARK I

PENDULUM STREET
50' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

JONESVILLE RD
100' R/W

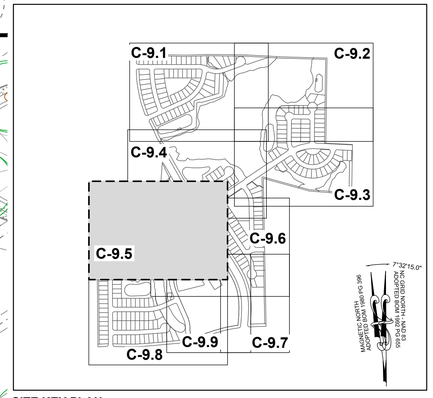
BETTERMAN DRIVE
50' PUBLIC R/W

30.0' STREET YARD BUFFER

PROPOSED OVERHEAD POWER RELOCATION

MATCH LINE
FOR CONTINUATION, SEE C-9.6

MATCH LINE
FOR CONTINUATION, SEE C-9.8



SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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 V

DRAWING SHEET
C-9.5

63 OF 82

PROGRESS PLOT DATE: 12/13/2024

GUARANTEED ALLEY
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

JONESVILLE RD
100' R/W

AMENITY CENTER

COUNTER STREET
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

POCKET PARK I

MOOKIE ALLEY
20' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

STREET LIGHT (TYP.)

30.0' STREET YARD BUFFER

PROPOSED OVERHEAD POWER RELOCATION

RET. WALL BY OTHERS (TYP.)

PHASE LINE (TYP.)

PROPERTY LINE (TYP.)

GENERIC WOODEN PRIVATE FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

MATCH LINE
FOR CONTINUATION, SEE C-9.5

MATCH LINE
FOR CONTINUATION, SEE C-9.7

MATCH LINE
FOR CONTINUATION, SEE C-9.8

SCM #2
WET POND

10.0' BERM

PLAZA

FUTURE COMMERCIAL
LOT 1
BLOCK A
8.48 AC

CRICKET PITCH

WTLD

10.0' GREENWAY

30.0' GREENWAY EASEMENT

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

30.0' STREET YARD BUFFER

SITE KEY PLAN

C-9.1 C-9.2 C-9.4 C-9.3 C-9.5 C-9.6 C-9.8 C-9.9 C-9.7

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

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

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.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

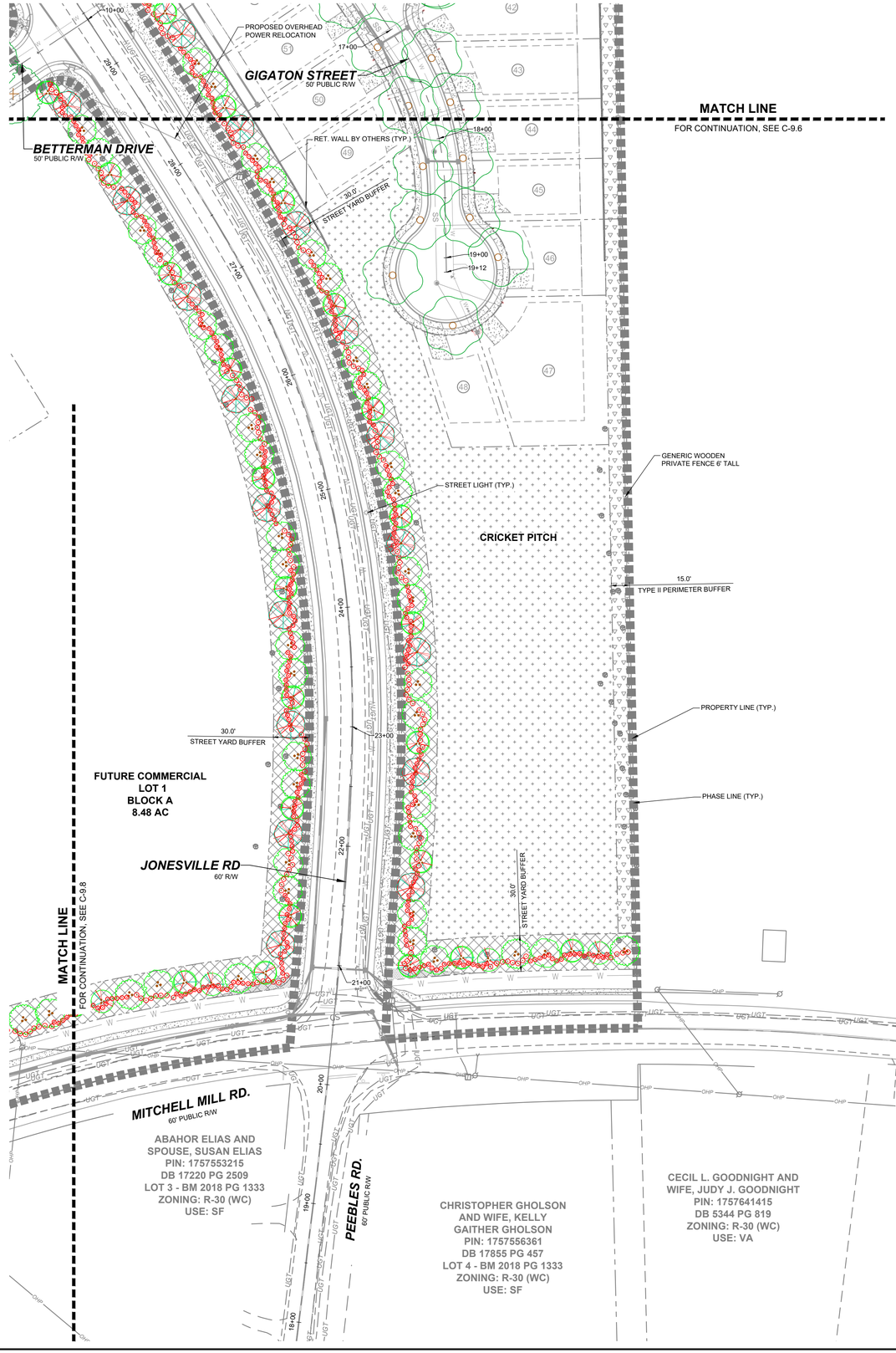
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

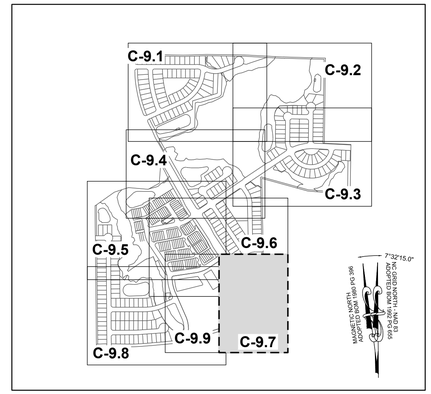
PARTIAL LANDSCAPE PLAN VI

DRAWING SHEET

C-9.6

64 OF 82

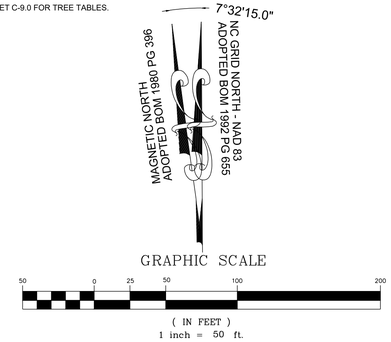




SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 LANDSCAPE PLAN VII

DRAWING SHEET

C-9.7

65 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

EXISTING DRAINED POND

RET. WALL BY OTHERS (TYP.)

MATCH LINE
FOR CONTINUATION, SEE C-9.5

SCM #1
WET POND

10.00' BERM

SCM #2
WET POND

10.00' BERM

10.0' GREENWAY

30.0' GREENWAY EASEMENT

BETTERMAN DRIVE
50' PUBLIC R/W

NEIGHBOURHOOD PARK

EVEN FLOW LANE
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

YELLOW MOON COURT
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

MARCIE L. HOLDEN
PIN: 1757358908
DB 15599 PG 1003
LOT 5
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

BERNARD MILLER
PIN: 1757357865
DB 15416 PG 1651
LOT 4
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE
PIN: 1757357764
DB 9236 PG 2229
LOT 3
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

PERR Y.ELWOOD RYAN
PIN: 1757357582
DB 19292 PG 2780
ZONING: R-30 (WC)
USE: MO

30.0' STREET YARD BUFFER

STREET LIGHT (TYP.)

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

30.0' BUFFER ZONE 2 (TYP.)

PROPERTY LINE (TYP.)

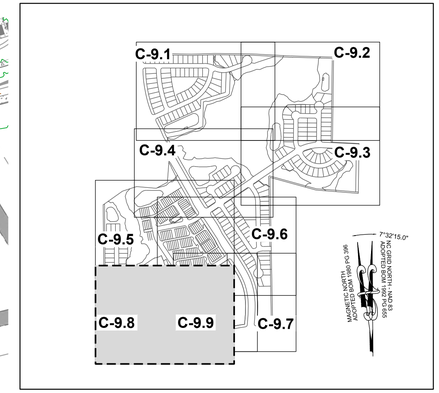
PHASE LINE (TYP.)

MATCH LINE
FOR CONTINUATION, SEE C-9.7

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868
ZONING: R-30 (WC)
USE: FO

CURTIS L. HONEYCUTT AND WIFE TODD KENDALL
PIN: 1757540996
DB 19269 PG 2474
LOT 1 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF



SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

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.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

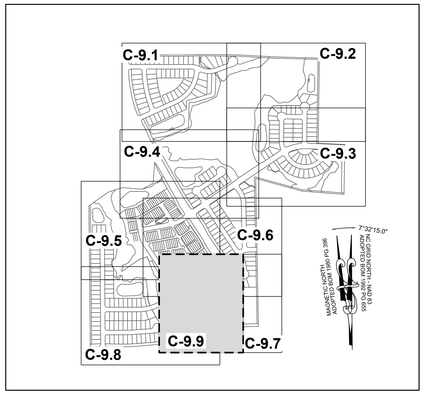
PARTIAL LANDSCAPE PLAN VIII

DRAWING SHEET

C-9.8

66 OF 82

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.



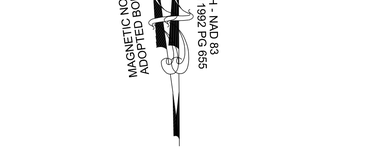
SITE KEY PLAN

LEGEND:

SEE SHEET C-9.0 FOR TREE TABLES.

TOWNHOME NOTES:

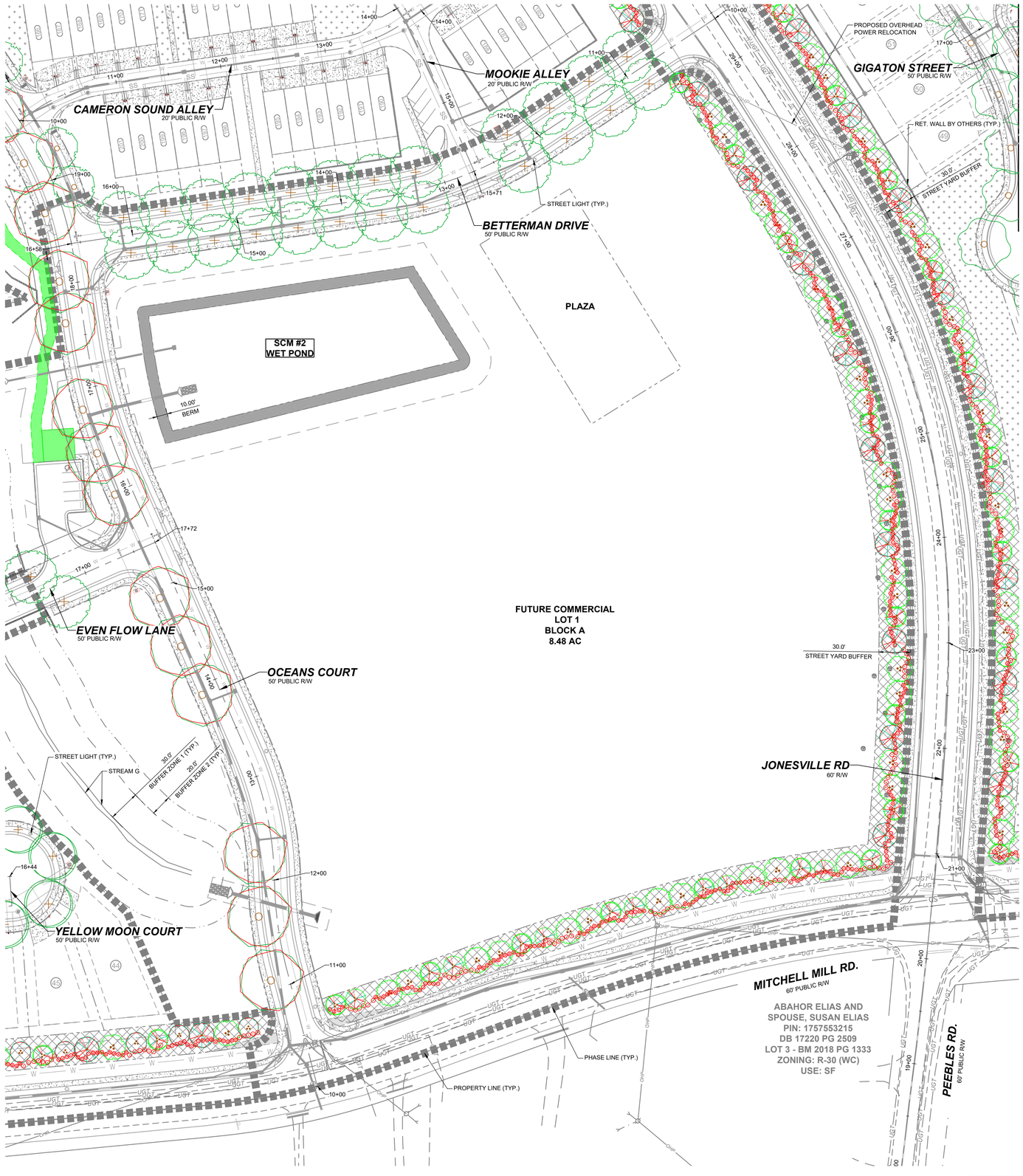
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V2-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	08/02/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL LANDSCAPE PLAN IX

DRAWING SHEET

C-9.9

67 OF 82

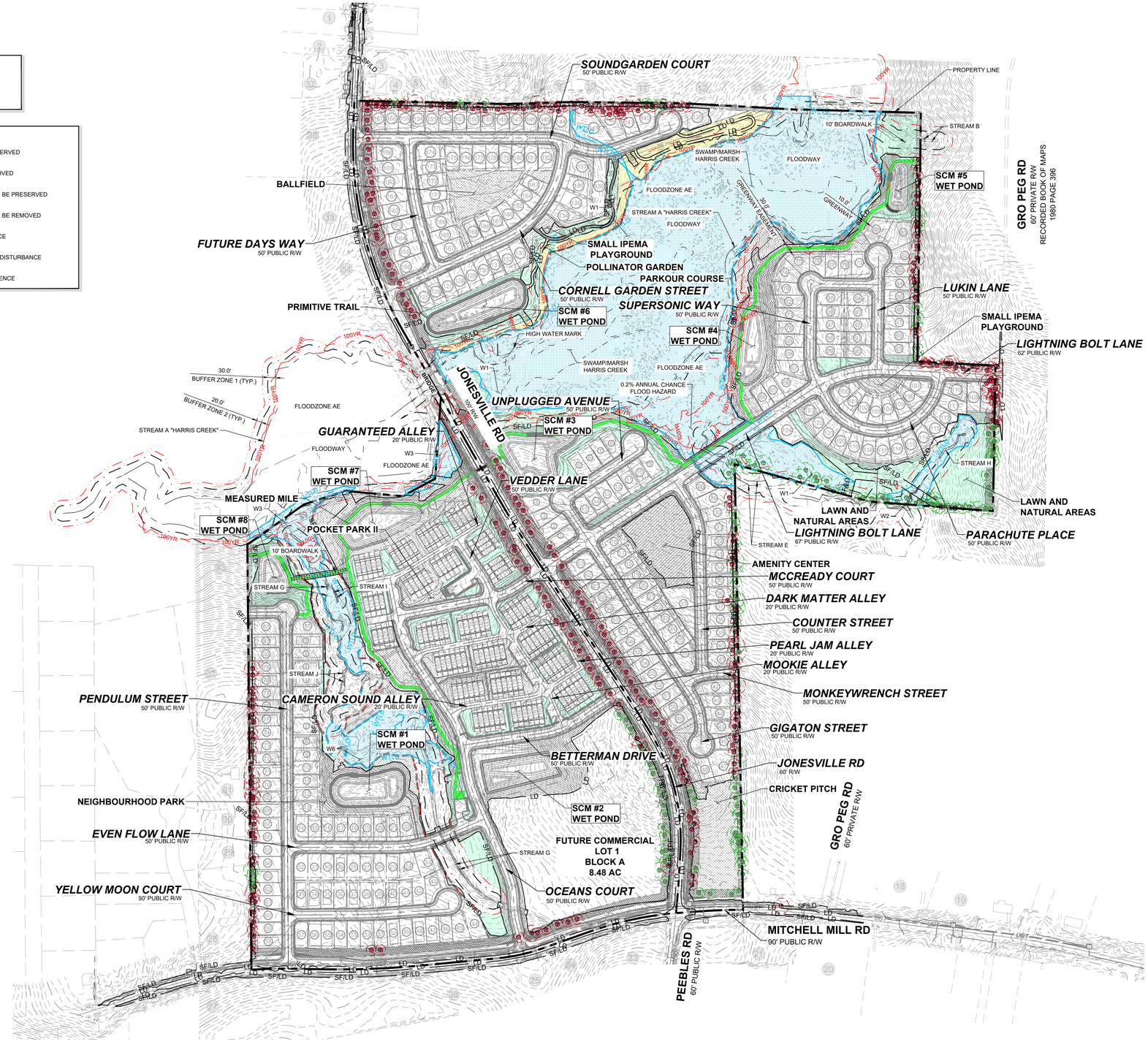
PROGRESS PLOT DATE: 12/13/2024

NOTE:

THE CRITICAL ROOT ZONES (CRZ) SHALL REMAIN FREE OF ALL BUILDING MATERIALS, REFUSE, AND DEBRIS. SEE SHEET C-2.0 FOR ADJACENT PROPERTY DETAILS

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
- TPF — TREE PROTECTION FENCE



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

OVERALL PRESERVATION PLAN

DRAWING SHEET
C-10.0

68 OF 82

PROGRESS PLOT DATE: 12/13/2024

CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES
PIN: 1757484609
DB 2305 PG 673
ZONING: R-30 (WC)
USE: SF

BENJAMIN FERRELL
PIN: 1757485713
DB 1697 PG 465
ZONING: R-30 (WC)
USE: SF

ALESHIA FERRELL & ARRON WALKER
PIN: 1757486733
DB 6374 PG 89
BM 1996 PG 00524
ZONING: R-30 (WC)
USE: SF

CHRIST HOLINESS CHURCH #1
PIN: 1757487783
DB 2928 PG 328
ZONING: R-30 (WC)
USE: CH

CHRIST HOLINESS CHURCH #1
PIN: 1757489733
DB 4321 PG 788
ZONING: R-30 (WC)
USE: VA

CHRIST HOLINESS CHURCH #1
PIN: 1757580764
DB 9467 PG 430
ZONING: R-30 (WC)
USE: VA

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

PROPERTY LINE

KH-282 KH-283 KH-159 KH-149 KH-268 AJ-129 AJ-128 KH-267

GENERIC WOODEN PRIVACY FENCE 6' TALL

30.0' STREET YARD BUFFER

15.0' TYPE II PERIMETER BUFFER

FUTURE DAYS WAY
50' PUBLIC R/W

JONESVILLE RD
60' R/W

SOUNDGARDEN COURT
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

BALLFIELD

POLLINATOR GARDEN

SMALL IPEMA PLAYGROUND

SCM #6 WET POND

10.0' BERM

PRIMITIVE TRAIL

SWAMP/MARSH HARRIS CREEK

FLOODZONE AE

FLOODWAY

STREAM A "HARRIS CREEK"

BUFFER ZONE 1 (TYP.) 30.0'

BUFFER ZONE 2 (TYP.) 20.0'

TOWN OF ROLESVILLE 30.0' EXISTING PERMANENT DRAINAGE EASEMENT FOR CREEK, INTERCEPTOR BM 1997 PG 605

MATCH LINE
FOR CONTINUATION, SEE C-10.4

MATCH LINE
FOR CONTINUATION, SEE C-10.2

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
- TPF — TREE PROTECTION FENCE

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.

SITE KEY PLAN

C-10.1 C-10.2 C-10.3 C-10.4 C-10.5 C-10.6 C-10.7 C-10.8

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 I

DRAWING SHEET
C-10.1

69 OF 82

PROGRESS PLOT DATE: 12/13/2024

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A- BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

KH-268
AJ-129
KH-011
KH-012
KH-014
AJ-003
AJ-006
AJ-008
AJ-009
AJ-013
AJ-014

POLLINATOR GARDEN
PARKOUR COURSE
SCM #5 WET POND
SCM #4 WET POND

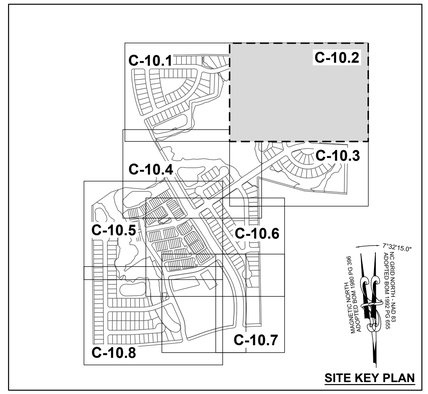
STREAM A "HARRIS CREEK"
STREAM B
FLOODWAY
FLOODZONE AE
FLOOD ZONE AE
SWAMP/MARSH HARRIS CREEK

TOWN OF ROLESVILLE GREENWAY EASEMENT PER HARRIS CREEK - NTEF PG 655 BM 1992 PG 655
30.0' EXISTING
30' GREENWAY EASEMENT
BUFFER ZONE 2 (TYP.)
BUFFER ZONE 1 (TYP.)
30.0'
20.0'
TYPE II PERIMETER BUFFER
15.0'
GREENWAY TRAIL
10.0'
BERM

GENERIC WOODEN PRIVACY FENCE 6' TALL
PROPERTY LINE

SUPERSONIC WAY
50' PUBLIC R/W
LUKIN LANE
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-10.1
MATCH LINE
FOR CONTINUATION, SEE C-10.3



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
- TPF — TREE PROTECTION FENCE

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

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL
NORTH CAROLINA PROFESSIONAL
SEAL 036225 ENGINEER
JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-10.2

70 OF 82

PROGRESS PLOT DATE: 12/13/2024

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
- TPF — TREE PROTECTION FENCE

SUPERSONIC WAY 50' PUBLIC R/W

LUKIN LANE 50' PUBLIC R/W

LIGHTNING BOLT LANE 62' PUBLIC R/W

LIGHTNING BOLT LANE 67' PUBLIC R/W

PARACHUTE PLACE 50' PUBLIC R/W

COUNTER STREET 50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-10.2

MATCH LINE
FOR CONTINUATION, SEE C-10.4

STREAM A "HARRIS CREEK"

STREAM E

STREAM H

SCM #4 WET POND

SMALL IPEMA PLAYGROUND

AMENITY CENTER

FLOODZONE AE

0.2% ANNUAL CHANCE FLOOD HAZARD

10.0' GREENWAY TRAIL

30.00' GREENWAY EASEMENT

10.00' GREENWAY TRAIL

15.00' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

30.00' BUFFER ZONE 1 (TYP.)

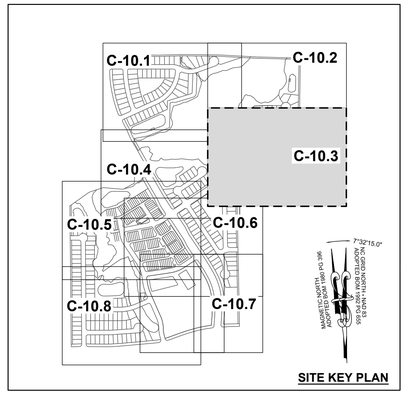
20.00' BUFFER ZONE 2 (TYP.)

30.00' STREET YARD BUFFER

SCOTT & THERESA CARLE
PIN: 1757675786
DB 14863 PG 2493
LOT 4A
BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC
PIN: 1757660324
DB 10124 PG 2778
LOT 1- BM 2002 PG 991
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES
PIN: 1757664956
DB 19081 PG 2786
LOT 2A- BM 1982 PG 00581
ZONING: R-30 (WC)
USE: VA



SITE KEY PLAN

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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

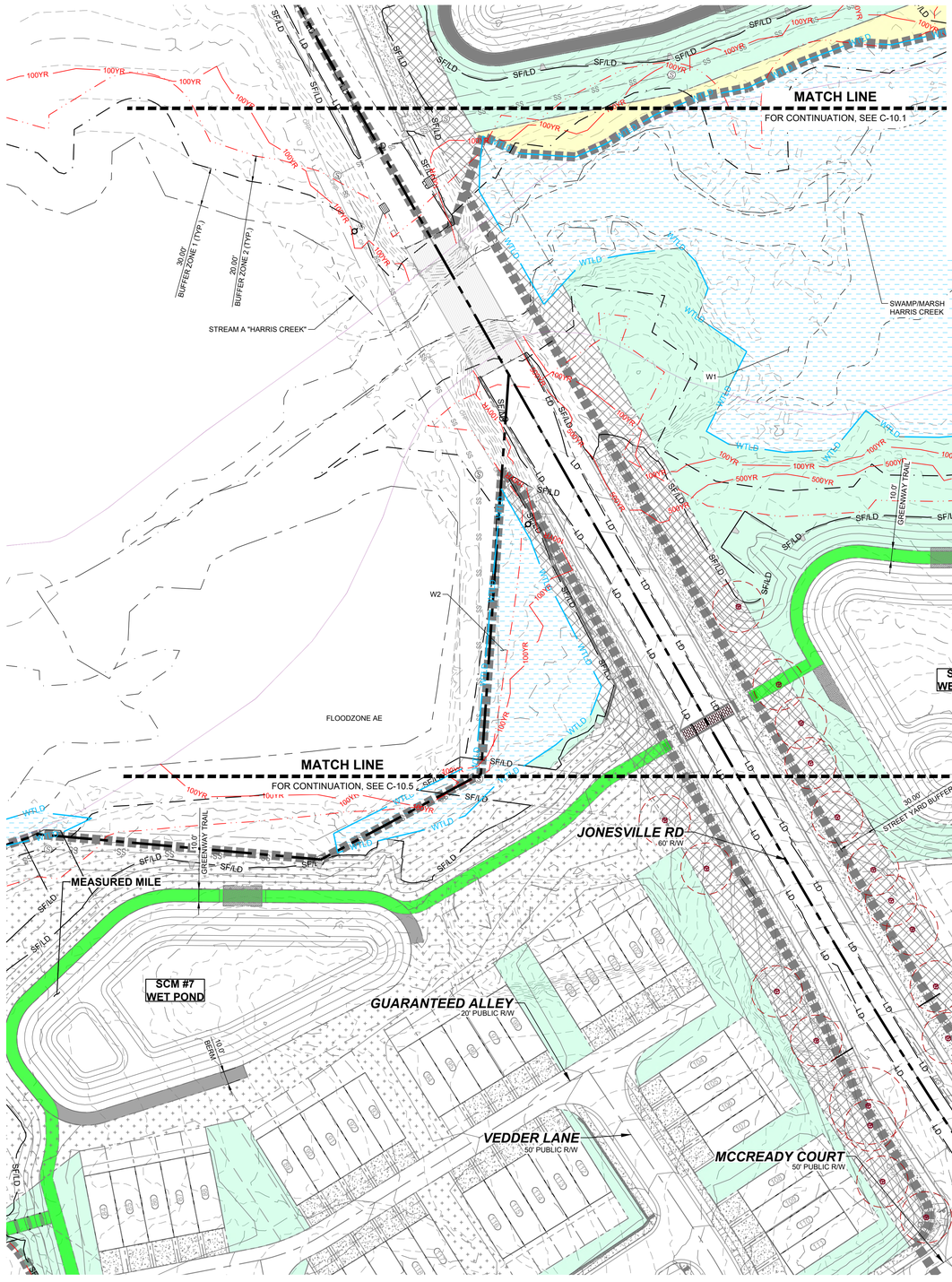
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN III

DRAWING SHEET
C-10.3

71 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

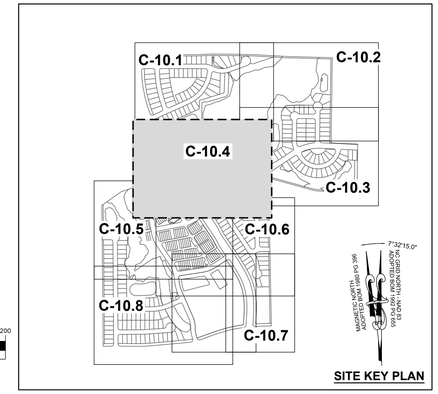


LEGEND:

- 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
- TPF — TREE PROTECTION FENCE

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.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/07/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 IV

DRAWING SHEET
C-10.4

72 OF 82

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

PROGRESS PLOT DATE: 12/13/2024

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
- TPF — TREE PROTECTION FENCE

MATCH LINE
FOR CONTINUATION, SEE C-10.4

SITE KEY PLAN
C-10.1, C-10.2, C-10.3, C-10.4, C-10.5, C-10.6, C-10.7, C-10.8
7°32'15.0" NC GRID NORTH - NAD 83
MAGNETIC NORTH ADOPTED BOM 1990 PG 396

KENNETH INVESTMENT LLC.
PIN: 1757368816
DB 19248 PG 1884
ZONING: R-30 (WC)
USE: VA

MEGAN KULAWIAK
PIN: 1757367367
DB 16226 PG 1133
LOT 6
BM 1990 PG 00387
ZONING: R-30 (WC)
USE: VA

SCM #7 WET POND
SCM #8 WET POND
10.0' BERM
GREENWAY TRAIL
10' BOARDWALK
30.00' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 855
GUARANTEED ALLEY 20' PUBLIC R/W
LIGHTNING BOLT LANE 62' PUBLIC R/W
VEDDER LANE 50' PUBLIC R/W
GIGATON STREET 50' PUBLIC R/W
POCKET PARK II
PEARL JAM ALLEY 20' PUBLIC R/W
MCCREADY COURT 50' PUBLIC R/W
DARK MATTER ALLEY 20' PUBLIC R/W
JONESVILLE RD 60' R/W
30.00' STREET YARD BUFFER
PENDULUM STREET 50' PUBLIC R/W
OCEANS COURT 50' PUBLIC R/W
CAMERON SOUND ALLEY 20' PUBLIC R/W
MOOKIE ALLEY 20' PUBLIC R/W
BETTERMAN DRIVE 50' PUBLIC R/W
15.00' TYPE II PERIMETER BUFFER
GENERIC WOODEN PRIVACY FENCE 6' TALL
STREAM I
STREAM G
STREAM
EXISTING DRAINED POND
30.00' GREENWAY EASEMENT
BUFFER ZONE 1 (TYP.) 30.0'
BUFFER ZONE 2 (TYP.) 20.0'
W3
W4
W6
MATCH LINE
FOR CONTINUATION, SEE C-10.8
MATCH LINE
FOR CONTINUATION, SEE C-10.6

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 V

DRAWING SHEET
C-10.5

73 OF 82

PROGRESS PLOT DATE: 12/13/2024

GUARANTEED ALLEY
20' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

AMENITY CENTER

AJ-099
AJ-100
AJ-101
AJ-104
AJ-107
AJ-109
AJ-110
AJ-111
AJ-112
AJ-114
AJ-116
AJ-117B
KH-251

GIGATON STREET
50' PUBLIC R/W

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

JONESVILLE RD
60' R/W

30.00'
STREET YARD BUFFER

COUNTER STREET
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-10.5

OCEANS COURT
50' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-10.7

STREAM G

10.00'
GREENWAY
SPRD

MATCH LINE
FOR CONTINUATION, SEE C-10.8

BETTERMAN DRIVE
50' PUBLIC R/W

PLAZA

SCM #2
WET POND

10.00'
BERM

FUTURE COMMERCIAL
LOT 1
BLOCK A
8.48 AC

KH-051
KH-050
KH-049
KH-046
KH-044
KH-043
KH-042
KH-041
KH-040

15.00'
TYPE II PERIMETER BUFFER

GENERIC WOODEN
PRIVACY FENCE 6' TALL

KH-239
KH-235
KH-202
KH-234
KH-203
KH-233
KH-232

CRICKET PITCH

20.00'
BUFFER ZONE 2 (TYP.)

30.00'
BUFFER ZONE 1 (TYP.)

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
TPF	TREE PROTECTION FENCE

C-10.1
C-10.2
C-10.3
C-10.4
C-10.5
C-10.6
C-10.7
C-10.8

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)
1 inch = 50 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/07/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

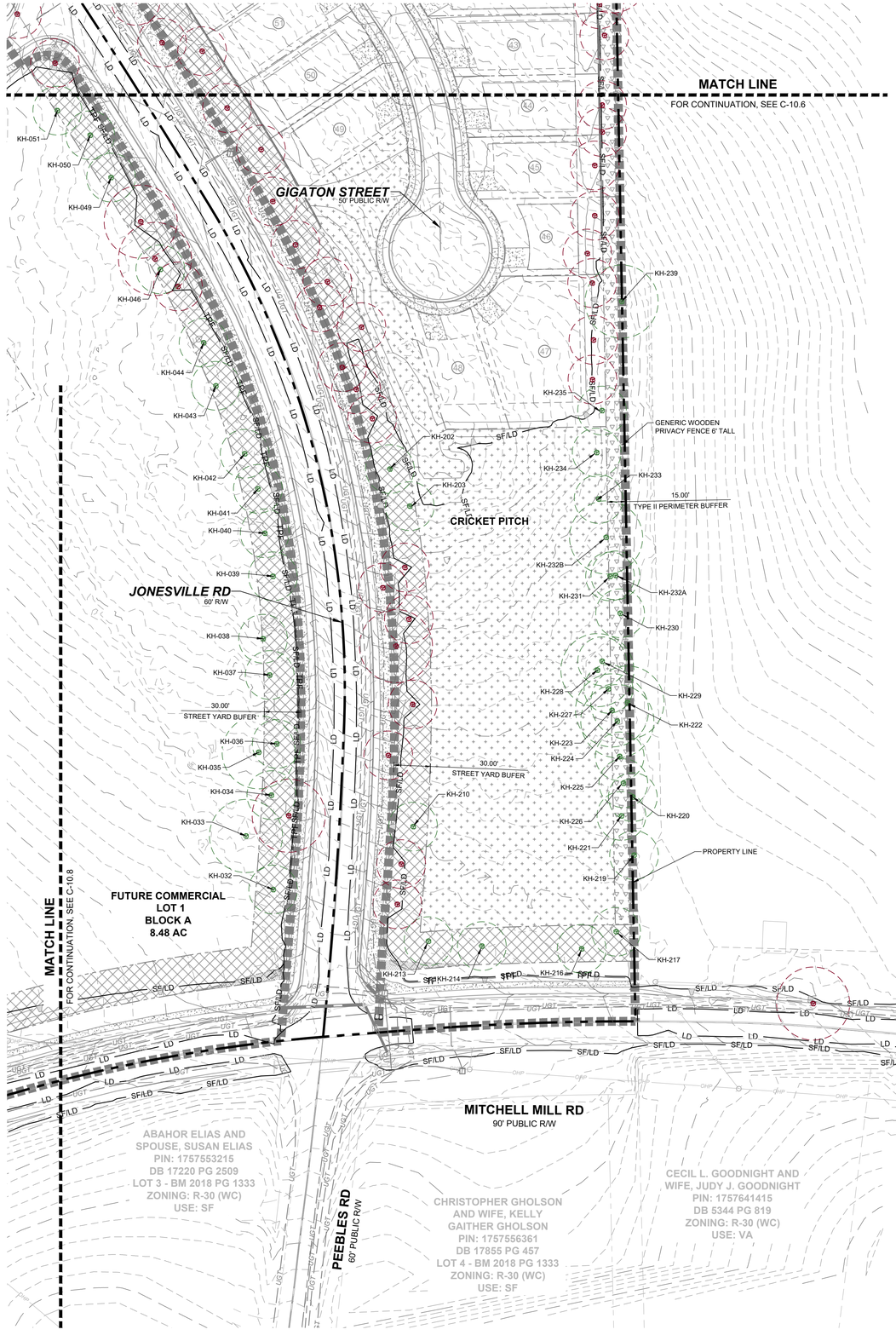
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

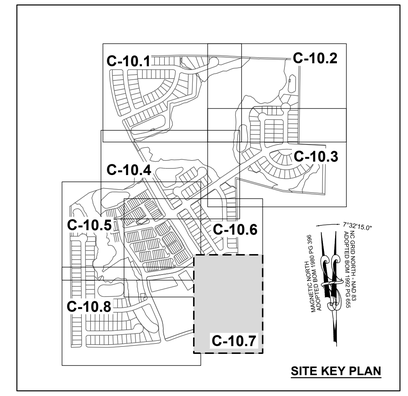
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN VI

DRAWING SHEET
C-10.6

74 OF 82

PROGRESS PLOT DATE: 12/13/2024





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
- TPF — TREE PROTECTION FENCE

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

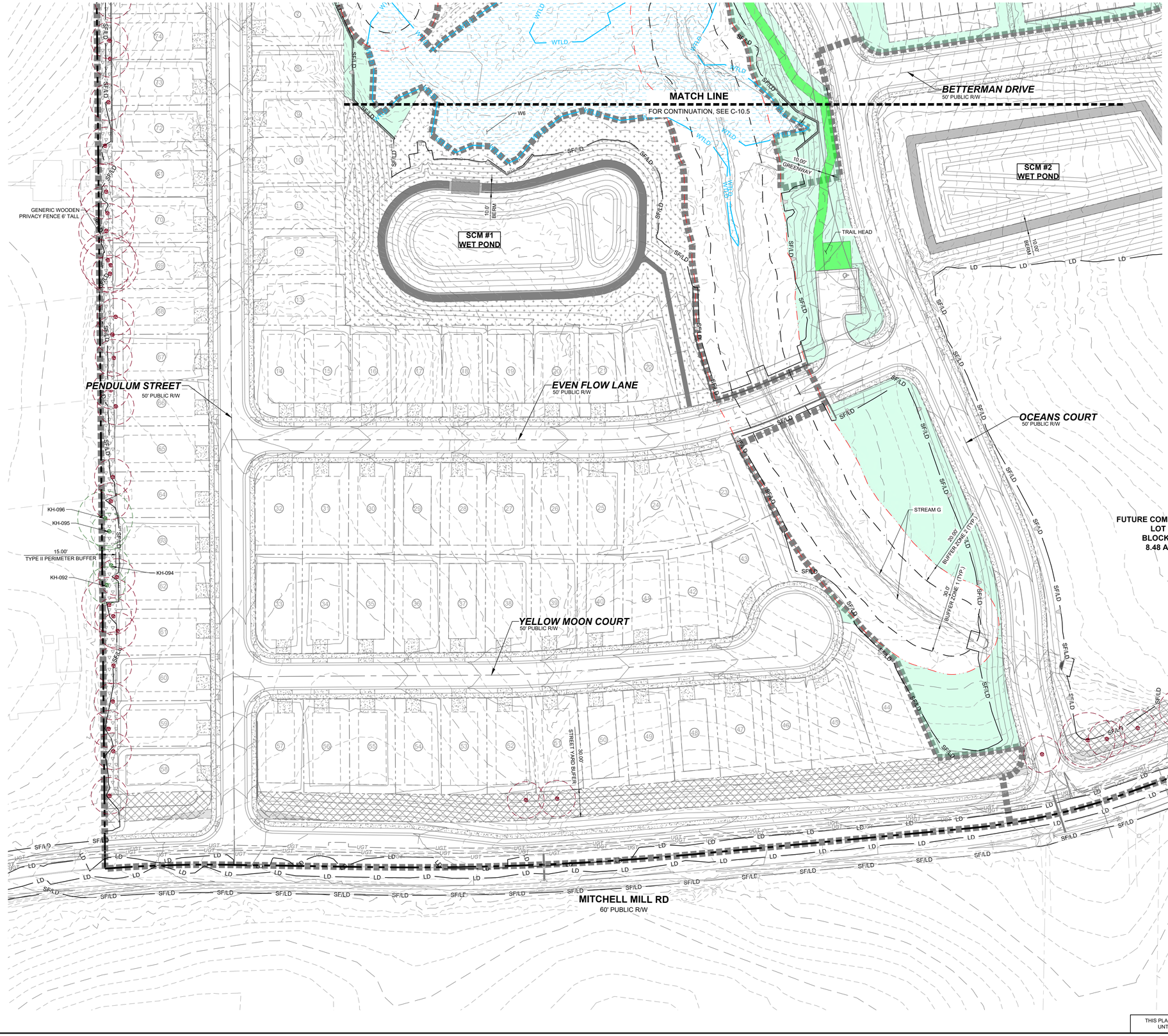
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

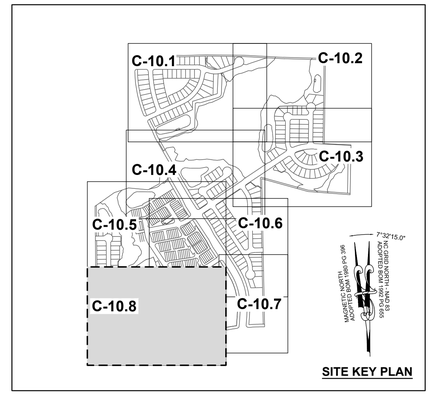
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT
PRESERVATION PLAN VII

DRAWING SHEET
C-10.7

75 OF 82

PROGRESS PLOT DATE: 12/13/2024





SITE KEY PLAN

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655
MAGNETIC NORTH
ADOPTED BOM 1990 PG 396

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
- TPF — TREE PROTECTION FENCE

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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-10.8

76 OF 82

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 OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
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
KH-233	QURU	10"	GOOD
KH-234	QURU	10/7/7/7/7	FAIR
KH-235	QURU	8"	GOOD
KH-239	PITA	26"	GOOD
KH-251	LITU	31/12"	GOOD
N/A	QURU	4"	GOOD

NO OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
AJ-003	QUAL	10"	GOOD
AJ-006	QURU	10"	GOOD
AJ-007	QURU	8"	GOOD
AJ-008	LIST	18"	GOOD
AJ-009	QUAL	6"	GOOD
AJ-012	QUAL	12"	GOOD
AJ-013	CATO	6"	GOOD
AJ-014	ACRU	14"	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

NO OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
AJ-059	LITU	24"	GOOD
AJ-060	QURU	32"	GOOD
AJ-061	ILOP	6"	GOOD
AJ-128	PITA	20"	GOOD
AJ-129	PITA	20"	GOOD
AJ-130	LITU	21"	GOOD
AJ-131	ULRU	8"	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
AJ-077	LIST	13"	GOOD
AJ-078	LIST	4"	GOOD
AJ-079	LITU	18"	POOR

NO OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
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-098	PRSE	8"	GOOD
AJ-099	QUNI	4"	GOOD
AJ-100	ILOP	4"	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

NO OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
AJ-114	PITA	28"	GOOD
AJ-116	QUST	20"	GOOD
AJ-117B	CACA	7"	GOOD
KH-005	QUAL	7"	GOOD
KH-011	CATO	6"	GOOD
KH-012	QUAL	21"	GOOD
KH-014	QUAL	20"	GOOD
KH-32	IVI	18"	GOOD
KH-33	ITA	25"	EXCELLENT
KH-34	ITA	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-092	QUNI	19"	GOOD

NO OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
KH-094	JUNI	7"	GOOD
KH-095	PRSE	14/16"	GOOD
KH-096	PRSE	25"	GOOD
KH-149	PRSE	7"	0
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	QNRN	37"	EXCELLENT
KH-159	LIST	6"	GOOD
KH-160	LITU	34"	GOOD
KH-163	QUAL	24"	GOOD
KH-164	QURU	23"	GOOD
KH-165	ILOP	8/9"	GOOD
KH-167	QUAL	21"	GOOD
KH-169	QUAL	22"	GOOD
KH-170	QURM	23"	GOOD
KH-171	PITA	21"	GOOD
KH-172	PITA	24"	GOOD
KH-173	LIST	9/8"	FAIR
KH-202	QUNI	7"	GOOD
KH-203	QUAL	9"	GOOD
KH-210	PITA	13"	GOOD
KH-213	PITA	16"	GOOD

NO OF TREES	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
KH-214	PITA	10"	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-282	PITA	25"	GOOD
KH-283	QUAL	16"	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-003	ACRU	31"	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

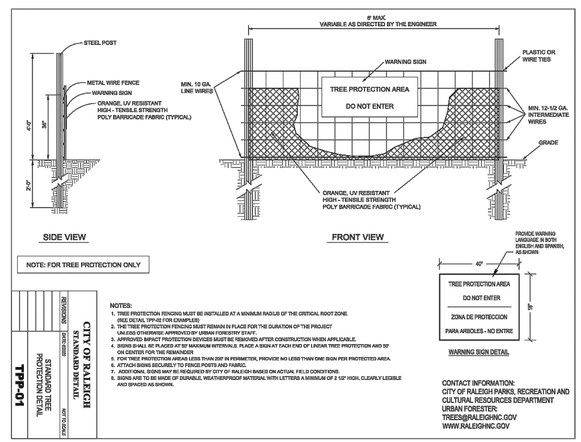
TREE TO BE REMOVED			
TYPE	NO OF TREE	BOTANICAL NAME	CALIPER INCHES
CONIFERS	AJ-022A	PITA	20''
CONIFERS	AJ-022B	PITA	20''
CONIFERS	AJ-028	PITA	25''
CONIFERS	AJ-030	OURU	20''
CONIFERS	AJ-036	PITA	20''
CONIFERS	AJ-123	PITA	23''
CONIFERS	AJ-124	PITA	25''
CONIFERS	KH-205	PITA	20''
CONIFERS	KH-002	PITA	30''
CONIFERS	KH-021	PITA	40''
CONIFERS	KH-047	PITA	21''
CONIFERS	KH-048	PITA	21''
CONIFERS	KH-054	PITA	20''
CONIFERS	KH-069	PITA	27''
CONIFERS	KH-105	PITA	23''
CONIFERS	KH-106	PITA	22''
CONIFERS	KH-107	PITA	29''
CONIFERS	KH-108	PITA	26''
CONIFERS	KH-109	PITA	28''
CONIFERS	KH-130	PITA	21''
CONIFERS	KH-131	PITA	25''
CONIFERS	KH-145	PITA	24''
CONIFERS	KH-168	OUFA	22''
CONIFERS	KH-197	PITA	20''
CONIFERS	KH-200	PITA	20''
CONIFERS	KH-207	PITA	20''
CONIFERS	KH-277	PITA	28''
CONIFERS	KH-136	PITA	29''
CONIFERS	KH-247	PITA	25''
CONIFERS	46	PITA	46''
TOTAL	30		

TREE TO BE REMOVED			
TYPE	NO OF TREE	BOTANICAL NAME	CALIPER INCHES
DECIDUOUS	AJ-001	LITU	19''
DECIDUOUS	AJ-024	QUST	22''
DECIDUOUS	AJ-031	LIST	19''
DECIDUOUS	AJ-033	LITU	27''
DECIDUOUS	AJ-034	LIST	18''
DECIDUOUS	AJ-035	LITU	23''
DECIDUOUS	AJ-038	LITU	19''
DECIDUOUS	AJ-039	LITU	36''
DECIDUOUS	AJ-040	ACRU	22''
DECIDUOUS	AJ-041B	ACRU	18''
DECIDUOUS	AJ-096	LIST	18''
DECIDUOUS	AJ-097	LITU	19''
DECIDUOUS	AJ-102	QURU	18''
DECIDUOUS	AJ-113	QUPH	18''
DECIDUOUS	KH-019	QUAL	20''
DECIDUOUS	KH-026	PRSE	26''
DECIDUOUS	KH-059	QUNI	59''
DECIDUOUS	KH-91	PRSE	22''
DECIDUOUS	KH-121	QURU	27''
DECIDUOUS	KH-261	LITU	22''
DECIDUOUS	KH-284	QUNI	20''
DECIDUOUS	KH-305	QUNI	19''
DECIDUOUS	KH-306	QUFA	19''
DECIDUOUS	KH-307	QURU	19''
DECIDUOUS	KH-317	QUAL	20''
DECIDUOUS	KH-319	QUAL	29''
DECIDUOUS	KH-245	QUAL	18''
DECIDUOUS	KH-250	QURU	24''
DECIDUOUS	KH-253	QURU	23''
TOTAL	29		

TREE TYPE	CODE SECTION	CALIPER MIN. (")	REPLACEMENT RATE	NUMBER OF TREES CUT DOWN	NUMBER OF REPLACEMENT TREES
EVERGREEN*	6.2.4.5.B.2 & 6.2.4.5.B.3	20	4 TREES	30	120
DECIDUOUS*		18	4 TREES	29	116
ALL**	6.2.4.5.B.4	60	60"	0	0
			TOTAL:	59	236

* REPLACEMENT TREES TO BE OF SIMILAR SPECIES AND SIZE

** REPLACEMENT TREE MIN 3" CALIPER



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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

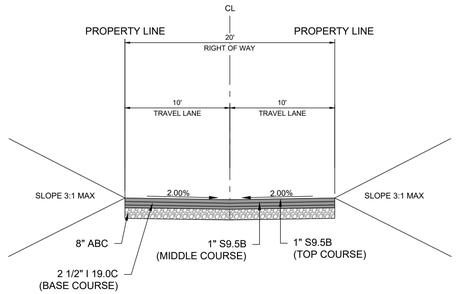
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

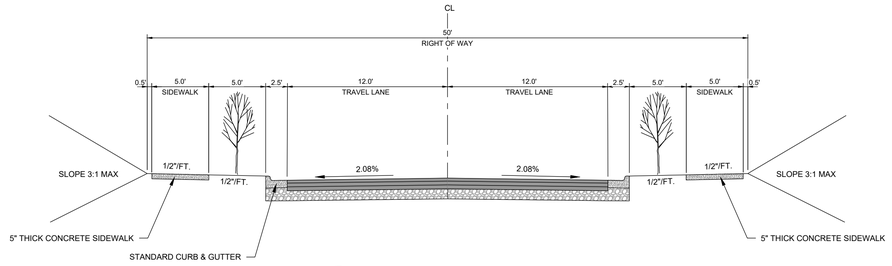
PRESERVATION PLAN TABLES

DRAWING SHEET

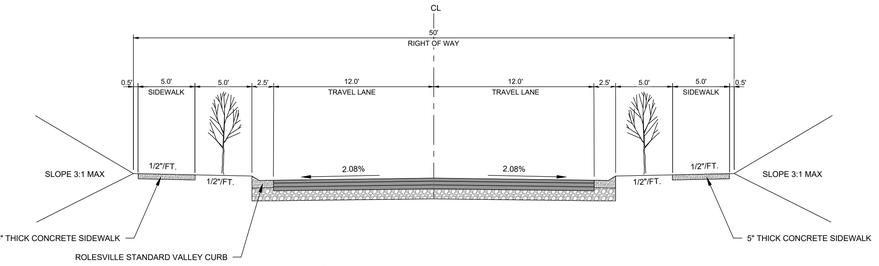
C-10.9



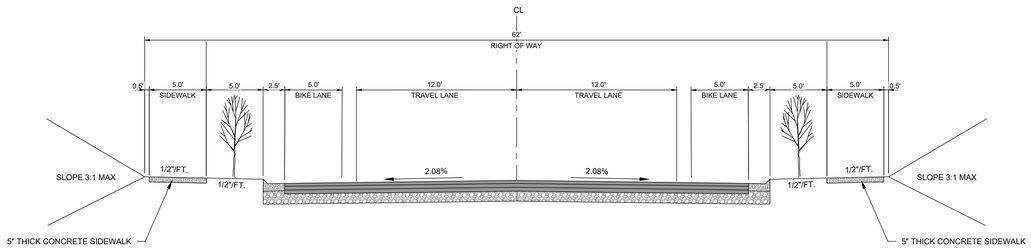
1 / D-1.0 **ALLEY CROSS SECTION - 20' ROW**
SCALE: NTS



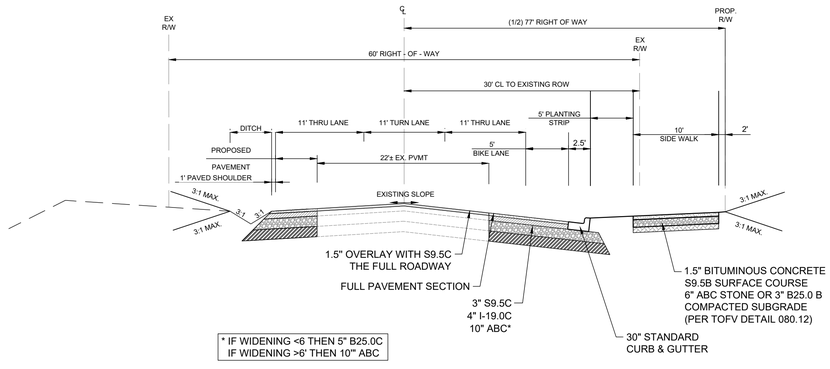
2 / D-1.0 **TYPICAL CROSS SECTION - 50' ROW**
SCALE: NTS



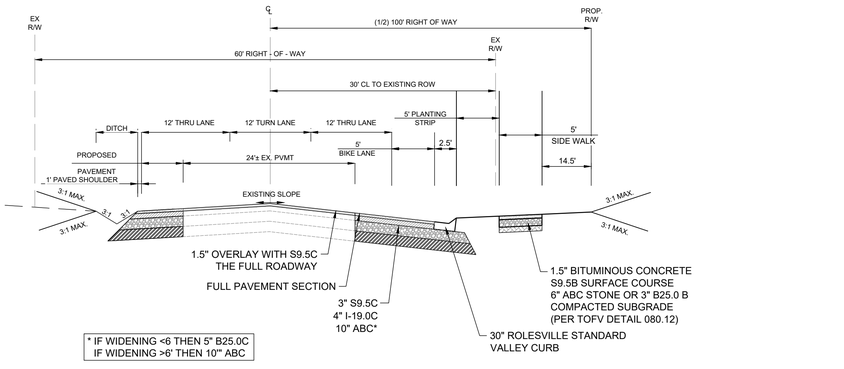
3 / D-1.0 **TYPICAL CROSS SECTION - 50' ROW**
SCALE: NTS



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



5 / D-1.0 **JONESVILLE RD ROADWAY IMPROVEMENTS**
SCALE: NTS



6 / D-1.0 **MITCHELL MILL RD ROADWAY IMPROVEMENTS**
SCALE: NTS

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	SREG

SEAL



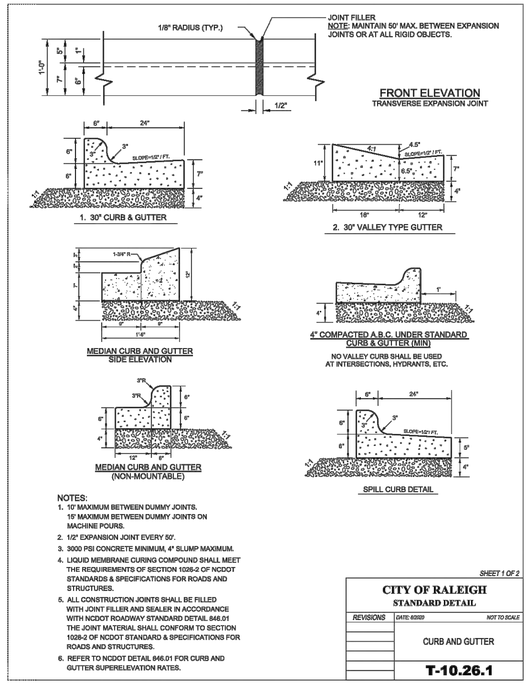
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

SITE DETAILS

DRAWING SHEET
D-1.0

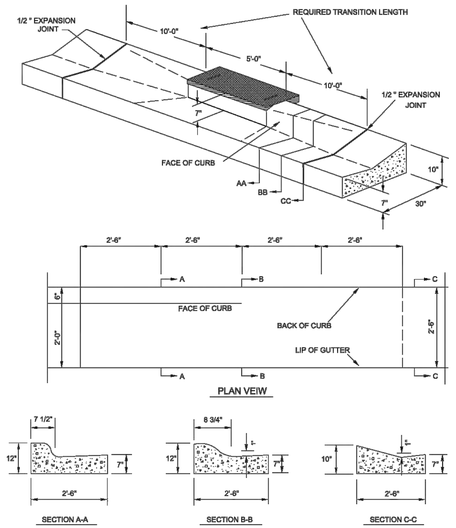


NOTES:
1. 10' MAXIMUM BETWEEN DUMMY JOINTS.
   15' MAXIMUM BETWEEN DUMMY JOINTS ON MACHINE POURS.
2. 1/2" EXPANSION JOINT EVERY 50'.
3. 3000 PSI CONCRETE MINIMUM, 4" SLUMP MAXIMUM.
4. LIQUID MEMBRANE CURING COMPOUND SHALL MEET THE REQUIREMENTS OF SECTION 1026-2 OF NCDOT STANDARDS & SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. ALL CONSTRUCTION JOINTS SHALL BE FILLED WITH JOINT FILLER AND SEALER IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DETAIL 846.01 THE JOINT MATERIAL SHALL CONFORM TO SECTION 1028-2 OF NCDOT STANDARD & SPECIFICATIONS FOR ROADS AND STRUCTURES.
6. REFER TO NCDOT DETAIL 846.01 FOR CURB AND GUTTER SUPERELEVATION RATES.

SHEET 1 OF 2

CITY OF RALEIGH
STANDARD DETAIL

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

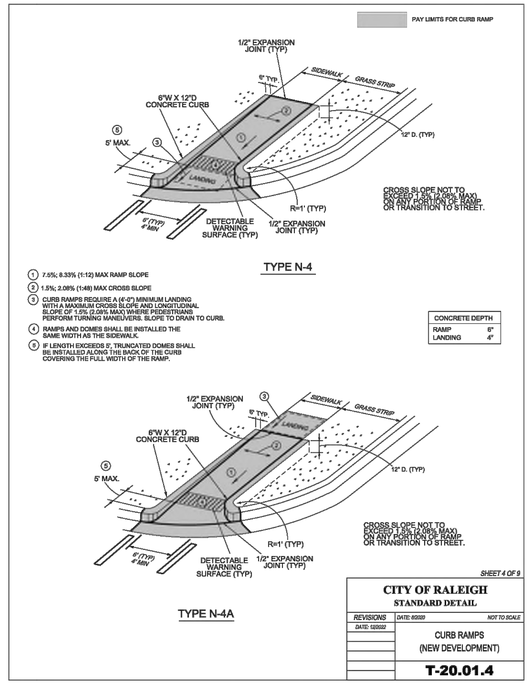


NOTES:
TRANSITION NOT TO BE LOCATED WITHIN THE CURB RADIUS.

SHEET 2 OF 2

CITY OF RALEIGH
STANDARD DETAIL

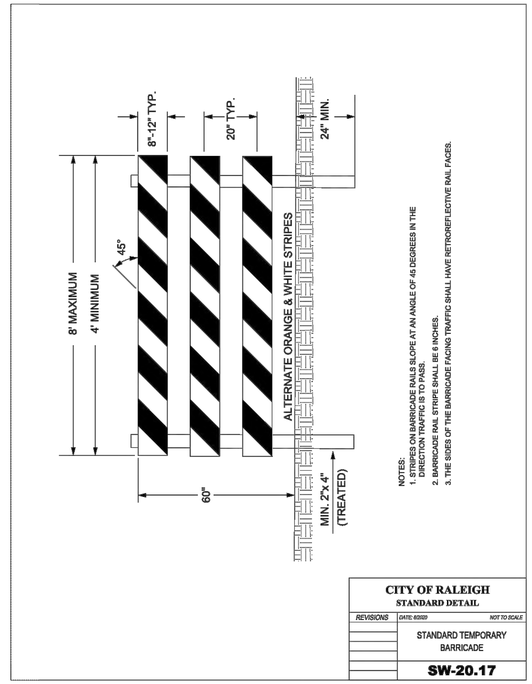
REVISIONS	DATE: 6/2020	NOT TO SCALE
		CURB TRANSITION TO 2'- 6" VALLEY GUTTER
		T-10.26.2



SHEET 4 OF 9

CITY OF RALEIGH
STANDARD DETAIL

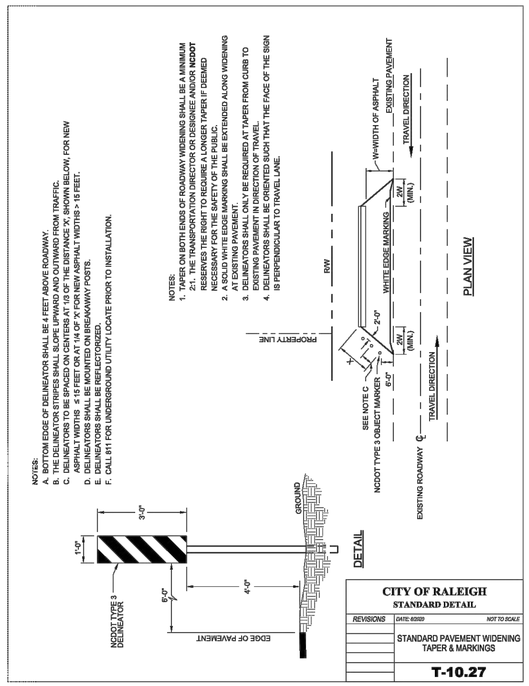
REVISIONS	DATE: 6/2020	NOT TO SCALE
DATE: 12/2022		CURB RAMPS (NEW DEVELOPMENT)
		T-20.01.4



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 6 INCHES.
3. THE SIDES OF THE BARRICADE FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.

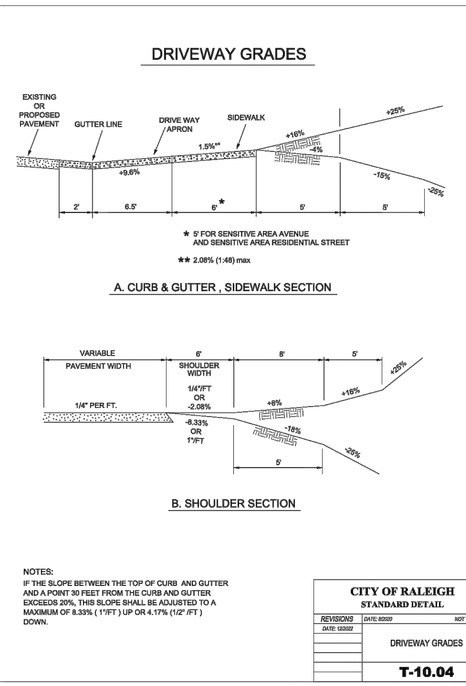
CITY OF RALEIGH
STANDARD DETAIL

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



CITY OF RALEIGH
STANDARD DETAIL

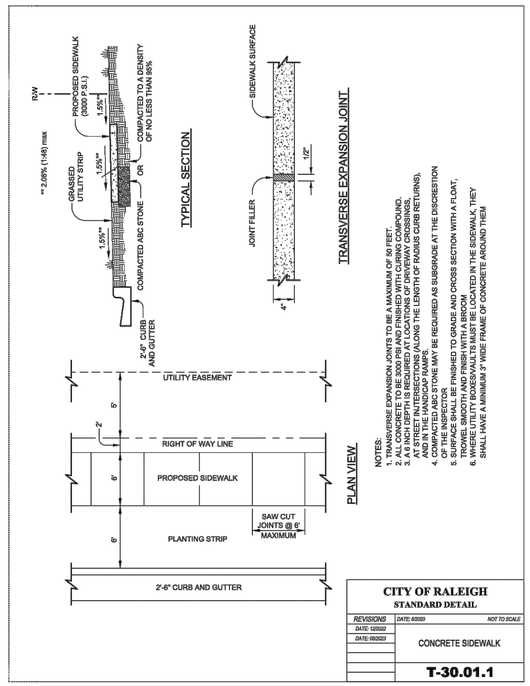
REVISIONS	DATE: 6/2020	NOT TO SCALE
		STANDARD PAVEMENT WIDENING TAPER & MARKINGS
		T-10.27



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

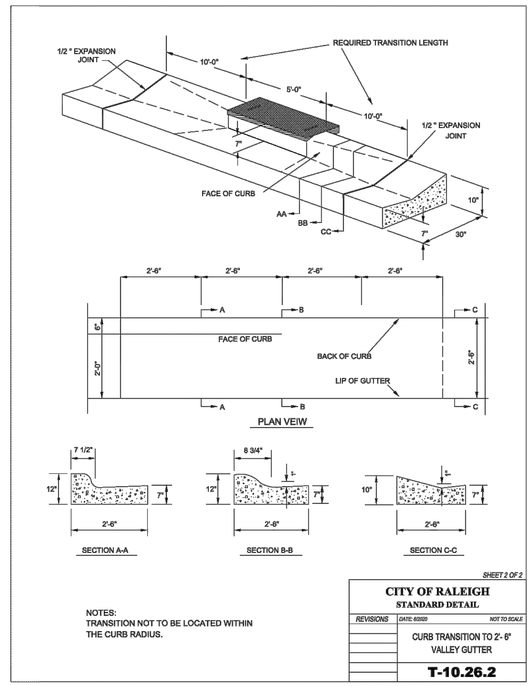
REVISIONS	DATE: 6/2020	NOT TO SCALE
DATE: 12/2022		DRIVEWAY GRADES
		T-10.04



NOTES:
1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
2. ALL CONCRETE SHALL BE 3000 PSI WITH A LIQUID MEMBRANE CURING COMPOUND.
3. A #3 INCH DEPTH 18 REQUIRED AT LOCATIONS OF DRIVEWAY CROSSINGS, AT STREET INTERSECTIONS (ALONG THE LENGTH OF RADIUS CURB RETURNS), AND WHERE TRANSVERSE JOINTS ARE REQUIRED.
4. COMPACTED ABC STONE MAY BE REQUIRED AS SUBGRADE AT THE DISCRESION 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 UTILITY BOXES/VAULTS MUST BE LOCATED 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: 09/2023		**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 PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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 DETAILS

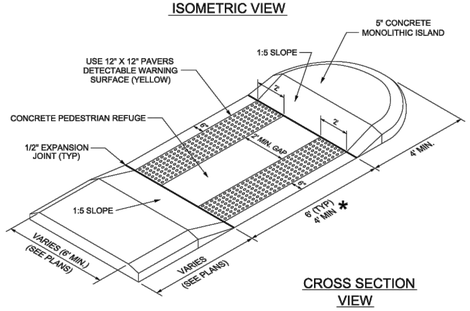
DRAWING SHEET

D-1.1

79 OF 82

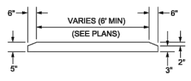
THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

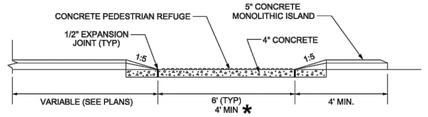
ISOMETRIC VIEW



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

CROSS SECTION VIEW

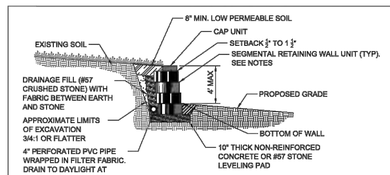




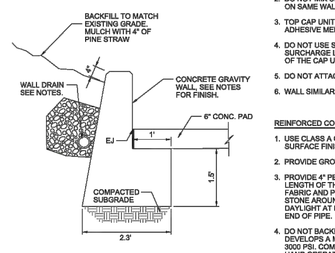
PROFILE VIEW

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
DATE: 10/2022		PEDESTRIAN REFUGE
		T-20.03



SEGMENTAL GRAVITY RETAINING WALL



REINFORCED CONCRETE 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 MECHANISMS. 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.

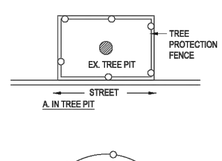
REINFORCED CONCRETE GRAVITY RETAINING WALL NOTES:

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.

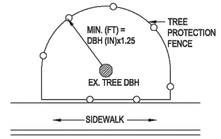
GENERAL NOTES:
1. COORDINATE WITH CITY OF RALEIGH ON WHICH WALL TYPE TO USE.
2. ALL RETAINING WALLS SHALL BE DESIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.

CITY OF RALEIGH
STANDARD DETAIL

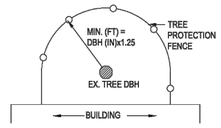
REVISIONS	DATE: 6/2020	NOT TO SCALE
		RETAINING WALL
		TT-09



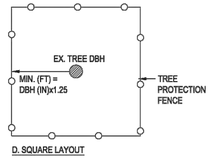
A. IN TREE PIT



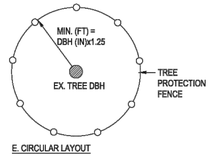
B. BY SIDEWALK



C. BY BUILDING



D. SQUARE LAYOUT



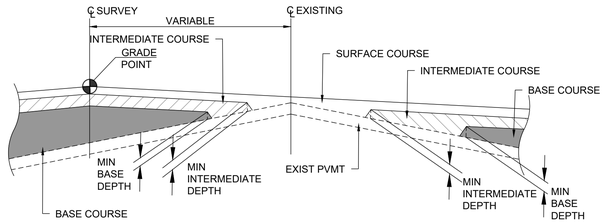
E. CIRCULAR LAYOUT

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

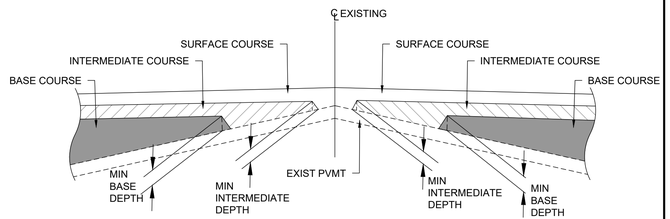
NOTES:
1. CONTRACTOR MUST PROVIDE AND INSTALL TREE PROTECTION SIGNAGE.
2. A TREE IMPACT PERMIT IS REQUIRED PRIOR TO INITIATION OF CONSTRUCTION IF ANY TREES ON CITY PROPERTY ARE TO BE IMPACTED BY PRUNING, TRENCHING, BORING, REMOVAL, PAVING, PLANTING, ETC.

CITY OF RALEIGH
STANDARD DETAIL

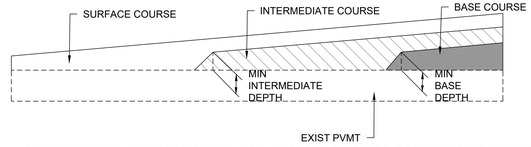
REVISIONS	DATE: 6/2020	NOT TO SCALE
		TREE PROTECTION FENCE LAYOUT
		TPP-02



SAMPLE DETAIL SHOWING METHOD OF WEDGING FOR LANE SHIFTS



SAMPLE DETAIL SHOWING METHOD OF WEDGING FOR ROOF TOP WEDGING



SAMPLE DETAIL WEDGING DETAIL FOR RESURFACING FOR EOP WEDGING TIE INS

1 / D-1.2 **WEDGING DETAIL**
SCALE: NTS

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

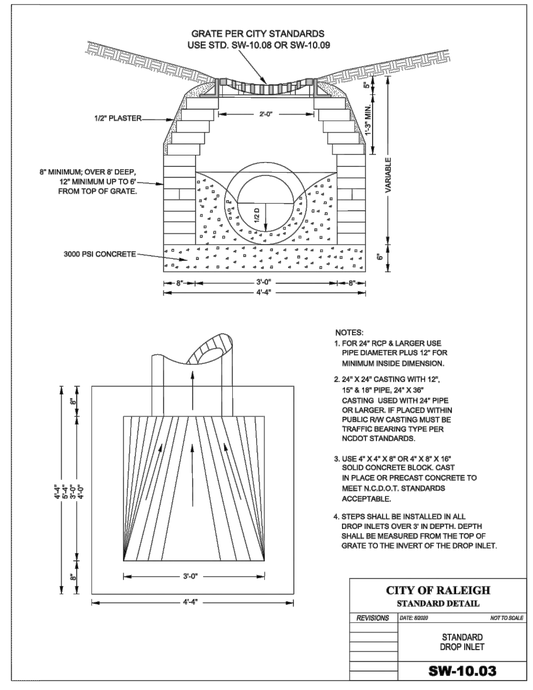
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

SITE DETAILS

DRAWING SHEET
D-1.2

80 OF 82

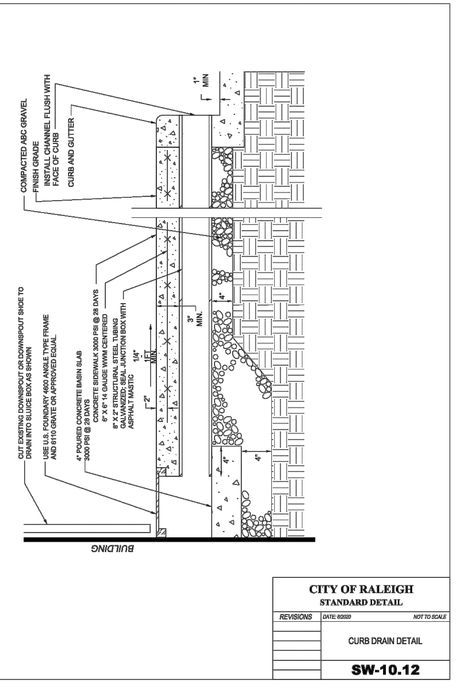
THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.



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.

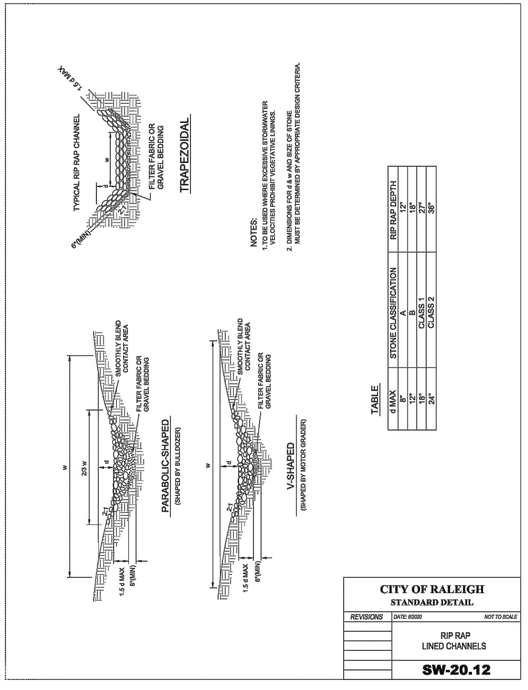
CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	STANDARD DROP INLET	
	SW-10.03	



CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	CURB DRAIN DETAIL	
	SW-10.12	



CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	RIP RAP LINED CHANNELS	
	SW-20.12	

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

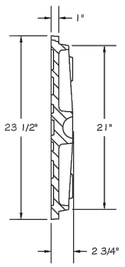
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
PRELIMINARY SUBDIVISION PLAT

STORM DRAINAGE DETAILS

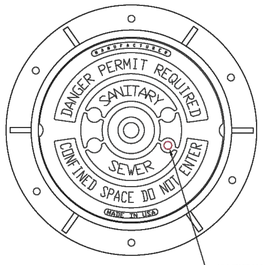
DRAWING SHEET
D-2.0

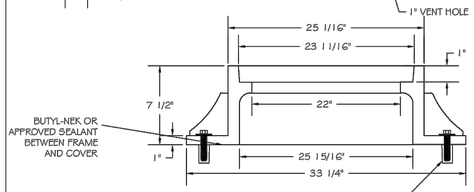
THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

COVER 120 LBS. MINIMUM



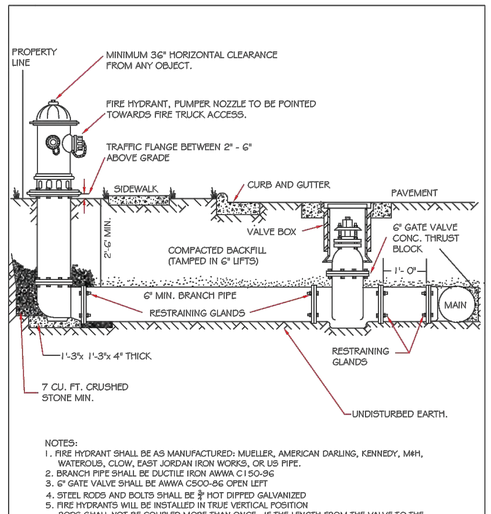
MANHOLE FRAME AND COVER





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.

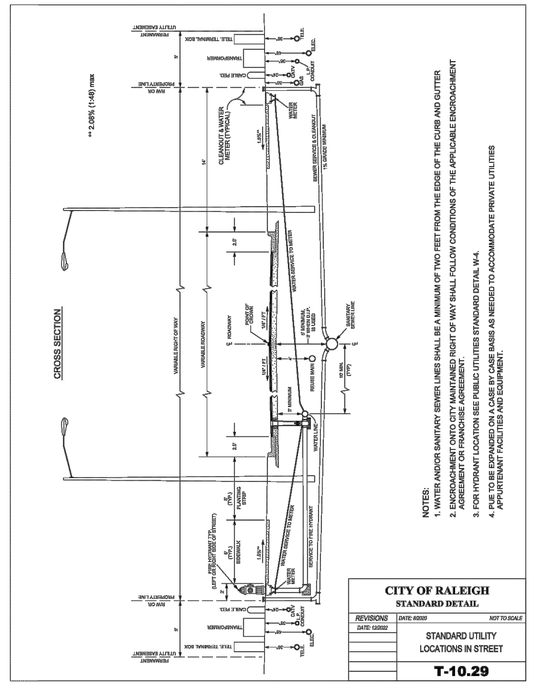
CITY OF RALEIGH				
DEPARTMENT OF PUBLIC UTILITIES				
STANDARD MANHOLE COVER				
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
S-25	3-1-87	3-1-87	A.B.B.	2-9-05
	RRH	3-30-00	D.H.L.	6-18-08



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	2/1 7/09
	DHL	2/1 4/08		



NOTES:
1. WATER AND/OR SANITARY SEWER LINES SHALL BE A MINIMUM OF TWO FEET FROM THE EDGE OF THE CURB AND GUTTER
2. ENCROACHMENT ONTO CITY MAINTAINED RIGHT OF WAY SHALL FOLLOW CONDITIONS OF THE APPLICABLE ENCROACHMENT AGREEMENT OR FRANCHISE AGREEMENT.
3. FOR HYDRANT LOCATION SEE PUBLIC UTILITIES STANDARD DETAIL W-4.
4. FUE TO BE EXPANDED ON A CASE BY CASE BASIS AS NEEDED TO ACCOMMODATE PRIVATE UTILITIES APPURTENANT FACILITIES AND EQUIPMENT.

CITY OF RALEIGH			
STANDARD DETAIL			
REVISIONS	DATE: 6/2020	NOT TO SCALE	
DATE: 12/2022	STANDARD UTILITY LOCATIONS IN STREET		
	T-10.29		

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT PSP-23-03	08/01/2023	SREG
02	TOWN OF ROLESVILLE PSP-23-03	12/05/2023	SREG
03	TOWN OF ROLESVILLE PSP V3-23-03	03/01/2024	SREG
04	TOWN OF ROLESVILLE PSP V4-23-03	06/04/2024	SREG
05	TOWN OF ROLESVILLE PSP V5-23-03	09/03/2024	SREG
06	TOWN OF ROLESVILLE PSP V6-23-03	11/01/2024	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

SANITARY SEWER & WATER DETAILS

DRAWING / SHEET

D-3.0

82 OF 82