RESERVE @ MITCHELL MILL

CONSTRUCTION PLANS

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: 5,335 LF 4

IMPERVIOUS AREAS:
NC ZONING DISTRICT

BUA:	413,891 SF (9.50 AC)
ROADWAYS & SIDEWALKS:	404,587 SF (9.29 AC)
PONDS:	92,849 SF (2.13 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:	134,696 SF (3.09 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	1,247,471 SF (28.64 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	33.85%



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

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ATTENTION CONTRACTORS

THE CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER, AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE INFRASTRUCTURE INSPECTIONS DIVISION AND SCHEDULE A PRE-CONSTRUCTION MEETING ON THE DEVELOPMENT PORTAL PRIOR TO BEGINNING ANY CONSTRUCTION. RALEIGH WATER MUST BE CONTACTED AT (919) 996-4540 AT LEAST TWENTY-FOUR HOURS PRIOR TO BEGINNING ANY WORK ACTIVITY AROUND CRITICAL WATER AND SEWER INFRASTRUCTURE.

FAILURE TO NOTIFY CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION, WILL RESULT IN THE ISSUANCE OF MONETARY FINES, AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

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RALEIGH WATER INSPECTIONS QUANTITIES (SUBDIVISIONS AND SITE PLANS)

PHASE NUMBER(S)	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6
NUMBER OF LOT (S)	63	61	65	0	118	83
NUMBER OF UNITS	63	61	65	0	118	83
PUBLIC WATER (LF)	3,099	3,019	2,733	1,571	3,940	2,781
PUBLIC SEWER (LF)	2,622	2,683	2,706	78	3,253	2,787
PUBLIC FORCE MAIN (LF)	-	-	-	-	-	-
PRIVATE SEWER * (LF)	-	-	-	-	-	-
WATER SERVICE STUBS (QUANTITY)	63	61	65	0	118	83
SEWER SERVICE STUBS (QUANTITY)	63	61	65	0	118	83
AVERAGE DAILY FLOW PER PHASE **	14,175	13,725	14,625	0	26,550	18,675
COMMERCIAL PROJECTS WITH SINGLE WATER AND SEWER SERVICE						
FIRE SERVICE (SIZE)						
DOMESTIC METER SIZE						
IRRIGATION METER SIZE						
AVERAGE DAILY FLOW PER PHASE **						

*SEWER MAINS AND MANHOLES AS PART OF A COLLECTION SYSTEM

**ENTIRE PROJECT FLOW. BASED ON 75GPD PER BEDROOM FOR RESIDENTIAL (APARTMENTS, SINGLE FAMILY DWELLING, TOWNHOUSE, CONDOS), OR BASED ON 15A NCAC 02T .0114 WASTEWATER DESIGN FLOW RATES FOR COMMERCIAL AND INDUSTRIAL

THE METER SIZE MUST MATCH DOMESTIC SERVICE SIZE (EXEMPTION - 3/4" SERVICE TAP WITH 5/8" METER)

PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

PUBLIC
SEWER COLLECTION / EXTENSION SYSTEM
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

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.

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT
APPROVED
EROSION CONTROL ☐ SEC-_____
STORMWATER MGMT. ☐ SWF-_____
FLOOD STUDY ☐ SWF-_____
DATE _____
ENVIRONMENTAL CONSULTANT SIGNATURE

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No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
COVER SHEET

DRAWING SHEET
C-1.0

01 OF 227

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.

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

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	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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 SRG
DRAWN BY SRG
CHECKED BY SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
ZONING CONDITION

DRAWING SHEET
C-1.1

02 OF 227

GENERAL CONSTRUCTION NOTES:

1. SEE GENERAL NOTES ON SHEET C-6.0.
2. WITHIN ALL NOTES, THE TERM CONTRACTOR WILL MEAN THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS OR VENDORS PERFORMING WORK ON THE PROJECT.
3. ANY CONTRACTOR SUBMITTING A BID FOR THIS PROJECT SHALL MAKE A SITE VISIT PRIOR TO SUBMITTING BID.
4. BOUNDARY DATA PERFORMED BY TIMMONS GROUP. SEE SURVEY FOR BENCHMARK & TBM INFORMATION. SURVEY IS REFERENCED TO NC GRID NAD 83. REFER TO EXISTING CONDITIONS PLAN
5. ANY RELOCATION OF BENCHMARKS SHALL BE PERFORMED BY A NC LICENSED SURVEYOR.
6. ALL WORK, CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE, WAKE COUNTY, NCDOT OR & CITY OF RALEIGH STANDARDS AND SPECIFICATIONS, LATEST EDITION.
7. ALL WORK, CONSTRUCTION AND MATERIALS WITHIN NCDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2018 NCDOT STANDARDS SPECIFICATIONS FOR ROADS AND STRUCTURES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT RIGHT-OF-WAY. TRAFFIC CONTROL SHALL BE MAINTAINED AT ALL TIMES WITH PROPER SIGNAGE, SIGNALS, LIGHTING, FLAGMEN. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
9. COPIES OF ALL PERMITS AND APPROVED PLANS MUST BE KEPT ON SITE IN A PERMIT BOX THAT IS CONSPICUOUSLY LOCATED AND EASILY ACCESSIBLE DURING CONSTRUCTION. THIS INCLUDES APPROVED CONSTRUCTION PLANS, APPROVED EROSION CONTROL PLANS, ENCROACHMENT AGREEMENTS, DRIVEWAY PERMITS, WATER/SEWER PERMITS, ETC.
10. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CONTACT THE NC ONE CALL CENTER AT LEAST 72 HOURS PRIOR TO DIGGING @ 1.800.632.4949. UNDERGROUND LINES SHOWN HEREON ARE APPROXIMATE OR AS REPORTED BY VARIOUS RESPONSIBLE PARTIES. THE SURVEYOR DOES NOT GUARANTEE THAT ANY UNDERGROUND STRUCTURES SUCH AS UTILITIES, TANKS AND PIPES ARE LOCATED HEREON.
11. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY TOWN, CITY OF RALEIGH OR NCDOT DAMAGED PROPERTY. THE CONTRACTOR SHALL REPAIR THE DAMAGED PROPERTY TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE AGENCY HOLDING JURISDICTION AT NO COST TO THE OWNER.
13. ANY DAMAGE DONE TO PRIVATE PROPERTY OWNERS SIGNS, MAILBOX, DRIVEWAY CULVERTS, LANDSCAPING OR OTHER PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION. AT NO COST TO OWNER.
14. CONTRACTOR IS RESPONSIBLE FOR FENCING AND SECURITY OF HIS LAYDOWN AND STORAGE AREA.
15. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
16. CONTRACTOR SHALL KEEP ALL ROADS FREE OF DIRT AND DEBRIS AT ALL TIMES.
17. CONTRACTOR SHALL PROTECT EXISTING PAVEMENTS AND UTILITIES FROM HEAVY EARTH MOVING EQUIPMENT. PROVIDE TRAFFIC CONTROL AND ADEQUATE PROTECTION METHODS AT ALL EQUIPMENT CROSSINGS.
18. ALL STRUCTURAL FILL MATERIAL SHALL BE FREE OF ALL STICKS, ROCKS, AND CLUMPS OF MUD. ALL ROCKS GREATER THAN 3" DURING EXCAVATION SHALL BE REMOVED.
19. CONCRETE SIDEWALKS THAT ARE TO BE REMOVED SHALL BE CUT BACK TO NEAREST EXPANSION OR CONTROL JOINT AND REPLACED WITH 4-INCH CONCRETE SIDEWALK FINISHED TO MATCH EXISTING SIDEWALKS.
20. CONTRACTOR TO COORDINATE WITH CITY OF RALEIGH FOR TEMPORARY WATER NEEDED DURING CONSTRUCTION. IF PERMITTED TO CONNECT TO EXISTING FIRE HYDRANT A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER WILL BE REQUIRED.
21. THE TRANSITION OF PROPOSED ROADWAY TO EXISTING ROADWAY SHALL BE DONE WITH A MINIMUM 8-FT TRANSITION WHERE THE EXISTING PAVEMENT IS MILLED TO A MINIMUM DEPTH OF 1-1/2" AND OVERLAID.
22. ALL PAVEMENT SAW CUTS SHALL BE NEAT, STRAIGHT AND FULL DEPTH.
23. ALL RIP-RAP IS TO BE INSTALLED WITH NON-WOVEN FILTER FABRIC BENEATH (MIRAFI 14ON OR APPROVED EQUAL).
24. HDPE PIPE SHALL BE ADS N-12 WT (ASTM D3212) OR APPROVED EQUAL INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
25. ALL SITE CONSTRUCTION MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE FOLLOWING STAGES:
    - A. COMPLETION OF GRADING SUBGRADE PRIOR TO PLACING STONE BASE.
    - B. COMPLETION OF STONE PLACEMENT PRIOR TO PAVING.
    - C. FINAL INSPECTION WHEN ALL WORK IS COMPLETE.
26. PRIOR TO PLACING CABC STONE BASE, THE CONTRACTOR SHOULD NOTIFY THE GEOTECHNICAL ENGINEER TO INSPECT THE PROOF ROLL OF THE SUBGRADE. ANY STONE PLACED WITHOUT PRIOR APPROVAL WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO RE-CONSTRUCTION IF SUBGRADE DOES NOT MEET TOWN AND NCDOT STANDARDS & SPECIFICATIONS.
27. ALL UTILITY SERVICES, (POWER, TELEPHONE, CABLE, ETC.) ARE PROPOSED TO BE UNDERGROUND. THE CONTRACTOR SHALL COORDINATE WITH THE PRIVATE UTILITY SERVICE COMPANIES FOR ANY REQUIRED CONDUITS OR POINT OF CONTACT CONDITIONS.
28. ALL PUBLIC UTILITIES THAT REQUIRE AN ENGINEERING CERTIFICATION MUST BE INSPECTED BY A PROFESSIONAL ENGINEER ON A PERIODIC BASIS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER WHEN INSTALLING UTILITIES FOR PERIODIC INSPECTIONS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AT THE TIME OF PRESSURE TESTING AND WATER LINE DISINFECTION. THE CONTRACTOR SHALL SUPPLY THE PROJECT ENGINEER PRESSURE TEST RESULTS.
29. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED ON THE PLANS OR 12 INCHES, WHICH EVER IS LESS, CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
30. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL, TO AN APPROVED NCDENR LOCATION, OF ANY EXCESS TOPSOIL OR UNCLASSIFIED EXCAVATION HE DETERMINES IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION.
31. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE DAILY RECORD KEEPING OF THE AS-BUILT CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKEOUT ASSOCIATED WITH THE PROJECT. PREPARATION OF THE NECESSARY/REQUIRED AS-BUILT PLANS TO BE SUBMITTED TO TOWN OF ROLESVILLE AND/OR CITY RALEIGH PUBLIC UTILITIES AND/OR ALL OTHER INFORMATION REQUIRED IN CONNECTION WITH RELEASE OF BONDS.
32. THE CONTRACTOR SHALL INCLUDE IN THE PRICE, ANY AND ALL COSTS ASSOCIATED WITH PROVIDING A PROFESSIONAL ENGINEER ON SITE IF REQUIRED, DURING THE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITIES, UNDERGROUND UTILITIES, ETC. AS REQUIRED FOR AS-BUILT CERTIFICATION.
33. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. NCDOT, TOWN OF ROLESVILLE, CITY OF RALEIGH, & ENGINEER OF RECORD ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
34. TESTING BY CONTRACTOR: CONTRACTOR SHALL EMPLOY AT HIS EXPENSE AN OUTSIDE INDEPENDENT SOIL TESTING SERVICE (APPROVED BY THE OWNER) TO PERFORM SOIL TESTING AND INSPECTION SERVICE FOR QUALITY CONTROL TESTING DURING EARTHWORK OPERATIONS. COPIES OF RESULTS OF TESTS SHALL BE SUBMITTED BY THE TESTING SERVICE DIRECTLY TO THE CONTRACTOR, THE OWNER, AND THE APPLICABLE APPROVING AGENCY. --THE TESTING SERVICE WILL CLASSIFY PROPOSED ON-SITE AND BORROW SOILS TO VERIFY THAT SOILS COMPLY WITH SPECIFIED REQUIREMENTS AND TO PERFORM REQUIRED FIELD AND LABORATORY TESTING. (MINIMUM REQUIRED SOIL BEARING CAPACITY IS NOTED ON THE STRUCTURAL DRAWINGS). -IN PAVED AND BUILDING SLAB AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 2000 SQUARE FEET OF FILL IN EACH COMPACTED FILL LAYER. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION. --IN FOUNDATION WALL AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 100 FEET OR LESS OF WALL LENGTH OF FILL IN EACH COMPACTED FILL LAYER, WITH NO LESS THAN TWO TESTS ALONG A WALL FACE. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION.
35. COMPACTION: COMPACT EACH LAYER OF BACKFILL AND FILL SOIL MATERIALS AND THE TOP 12" OF SUBGRADE IN CUT AREAS TO 98% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99 FOR STRUCTURES, SLABS, AND PAVEMENTS AND 95% OF MAXIMUM DENSITY FOR EMBANKMENTS OR UNPAVED AREAS. MAX LIFT THICKNESS FOR FILL AREAS IS 8 INCHES.
36. DESIGN/FIELD CONDITIONS QUITE EASILY MAY VARY FROM THAT REPRESENTED IN THE INITIAL SOILS REPORT AND/OR TOPOGRAPHICAL REPORT. ISOLATED AREAS MAY SHOW UP WEAK AND ADVERSE SOILS OR GROUNDWATER CONDITIONS MAY BE DISCOVERED THAT WERE NOT REVEALED DURING THE INITIAL SOILS INVESTIGATION. THEREFORE, THE OWNER/CLIENT IS TO BE AWARE THAT ENGINEER OF RECORD WILL NOT AND CANNOT BE HELD RESPONSIBLE FOR ANY FAILURES TO EITHER A STREET OR PARKING LOT PAVEMENT DESIGN UNLESS WE CAN BE FULLY AND TOTALLY INVOLVED IN THE CONSTRUCTION PROCESS WHICH MAY INCLUDE, BUT MAY NOT NECESSARILY BE LIMITED TO, TESTING SUBGRADE AND BASE DENSITY, ENGAGING THE GEOTECHNICAL ENGINEER FOR THE EVALUATION OF THE SUBGRADE AND FOR THE OBSERVATION OF PROOF ROLLING SUBGRADE AND BASE AT VARIOUS STEPS OF CONSTRUCTION, OPPORTUNITY FOR THE DESIGN ENGINEER TO CALL IN A GEOTECHNICAL ENGINEER FOR CONSULTATION AND ADVICE, ETC. - STEPS WHICH TAKEN ALTOGETHER WITH THE INITIAL DESIGN SHOWN ON THE PLANS, CONSTITUTE THE COMPLETE DESIGN OF THE ROAD, STREET OF PARKING AREA (PRIVATE OR PUBLIC). THE DESIGN ENGINEER MUST BE GIVEN THE FULL LATITUDE AND OPPORTUNITY TO COMPLETE THE DESIGN BY FULLY PARTICIPATING IN THE CONSTRUCTION PROCESS. PLAN DESIGN IS A SMALL PORTION OF THE DESIGN AND CANNOT BE SEPARATED FROM THE CONSTRUCTION PROCESS IF THE OWNER'S/CLIENT'S DESIRE IS TO HAVE THE DESIGN ENGINEER STAND BEHIND THE COMPLETED DESIGNED PROJECT.
37. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDING PADS.
38. THE SITE PREVIOUSLY CONTAINED RESIDENTIAL / FARM STRUCTURES CONTRACTOR RESPONSIBLE FOR REMOVAL OF ANY FOUNDATIONS AND SEPTIC SYSTEMS PER NCDNR REQUIREMENTS.

GENERAL ABBREVIATIONS:

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

GENERAL ABBREVIATIONS:

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

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

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
CIVIL NOTES

DRAWING / SHEET
C-2.0

03 OF 227

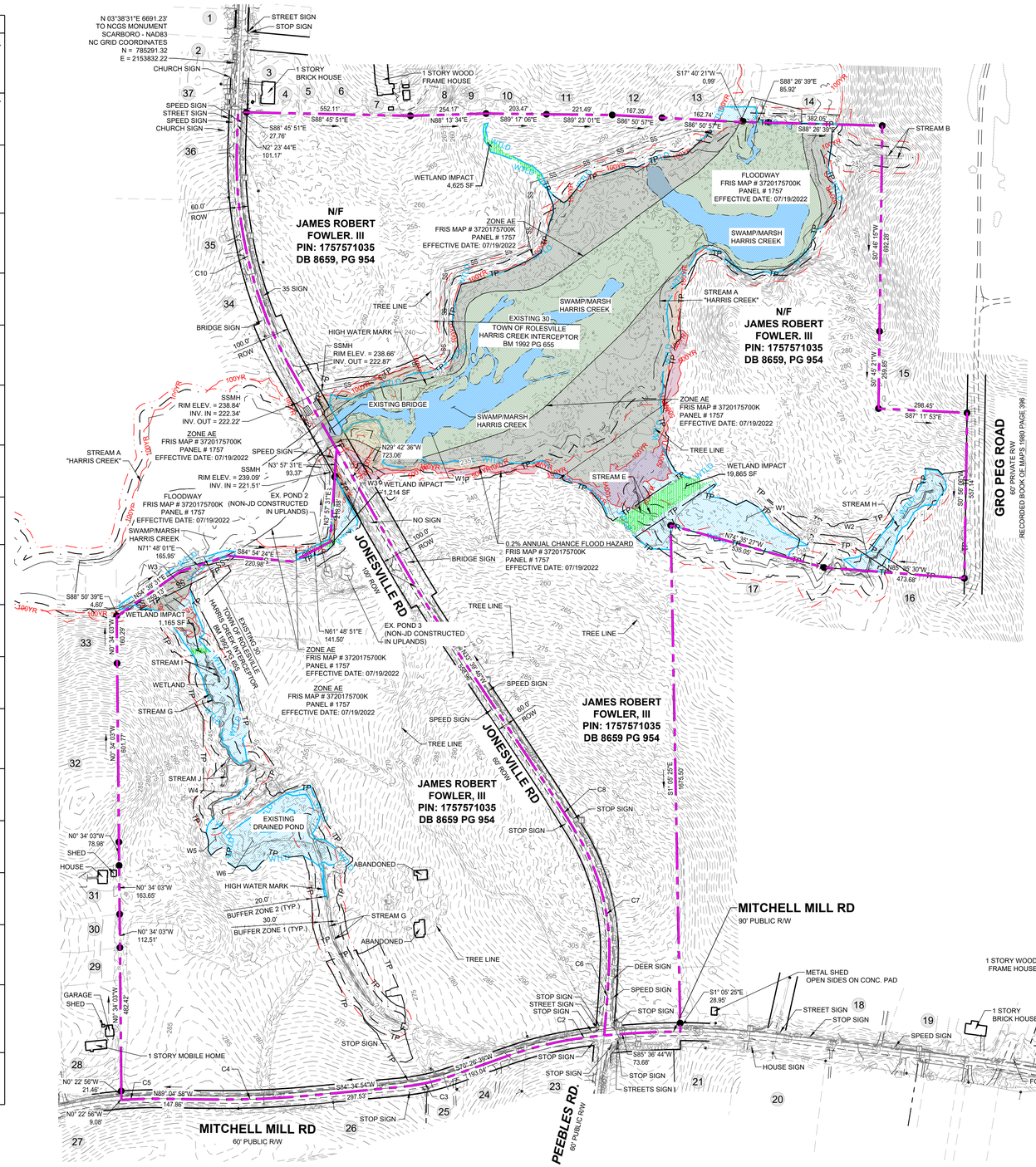
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ADJOINER INFORMATION

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: 1757553215 DB 17220 PG 2509 LOT 3 - BM 2018 PG 1333 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 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:

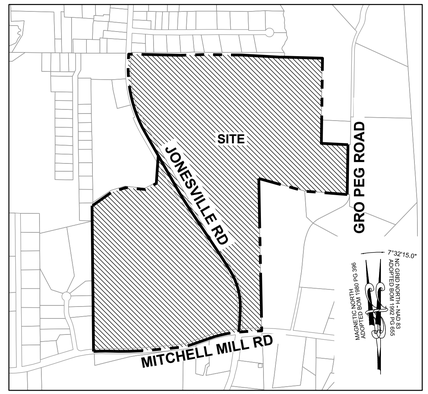
SF: SINGLE FAMILY
VA: VACANT
MO: MOBILE
AG: AGRICULTURE
CH: CHURCH



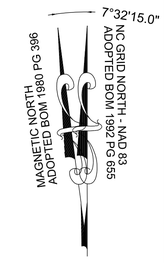
LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 40 — 5' CONTOUR
- 1' CONTOUR
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- EXISTING TREE
- NEW IRON PIPE
- EXISTING IRON PIPE
- WTLD / WTLD — EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- WETLAND IMPACTS

PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.66'	177.62'	S 85°36'44" W
C2	1293.60'	342.46'	341.46'	S 70°26'39" W
C3	713.00'	175.93'	175.49'	S 84°34'54" W
C4	3289.02'	363.69'	363.50'	N 89°04'58" W
C5	1415.00'	134.86'	134.81'	N 85°27'24" W
C6	4219.80'	259.16'	259.12'	N 02°03'26" E
C7	760.57'	443.75'	437.48'	N 31°22'17" W
C8	5980.51'	247.98'	249.97'	N 33°39'46" W
C9	4196.85'	289.52'	289.47'	N 29°42'36" W
C10	1444.00'	809.14'	798.60'	N 02°23'44" E



VICINITY MAP
1" = 800'



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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DRAWN BY	SRG
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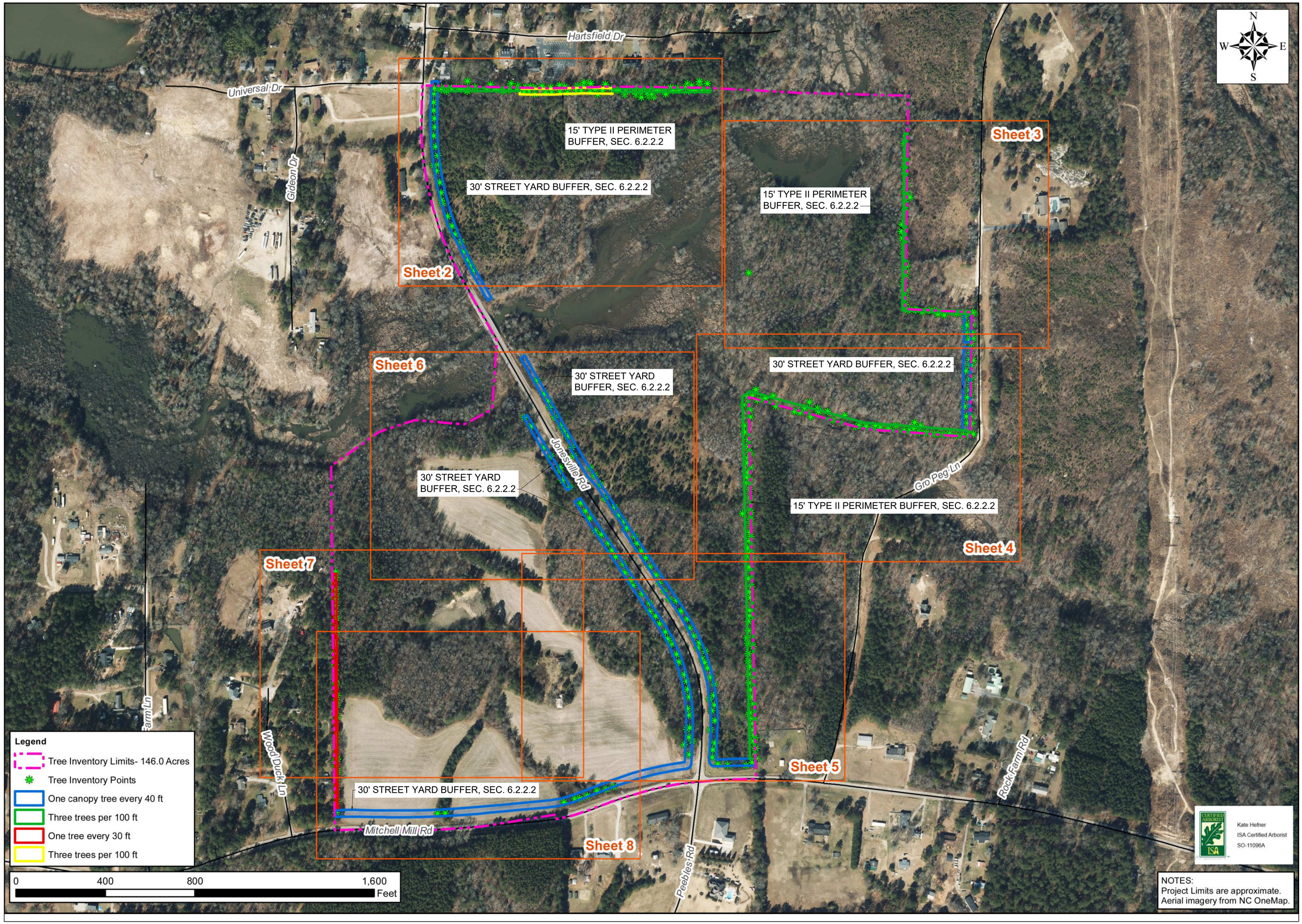
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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

EXISTING CONDITIONS PLAN

DRAWING SHEET
C-3.0

04 OF 227

PROGRESS PLOT DATE: 05/29/25



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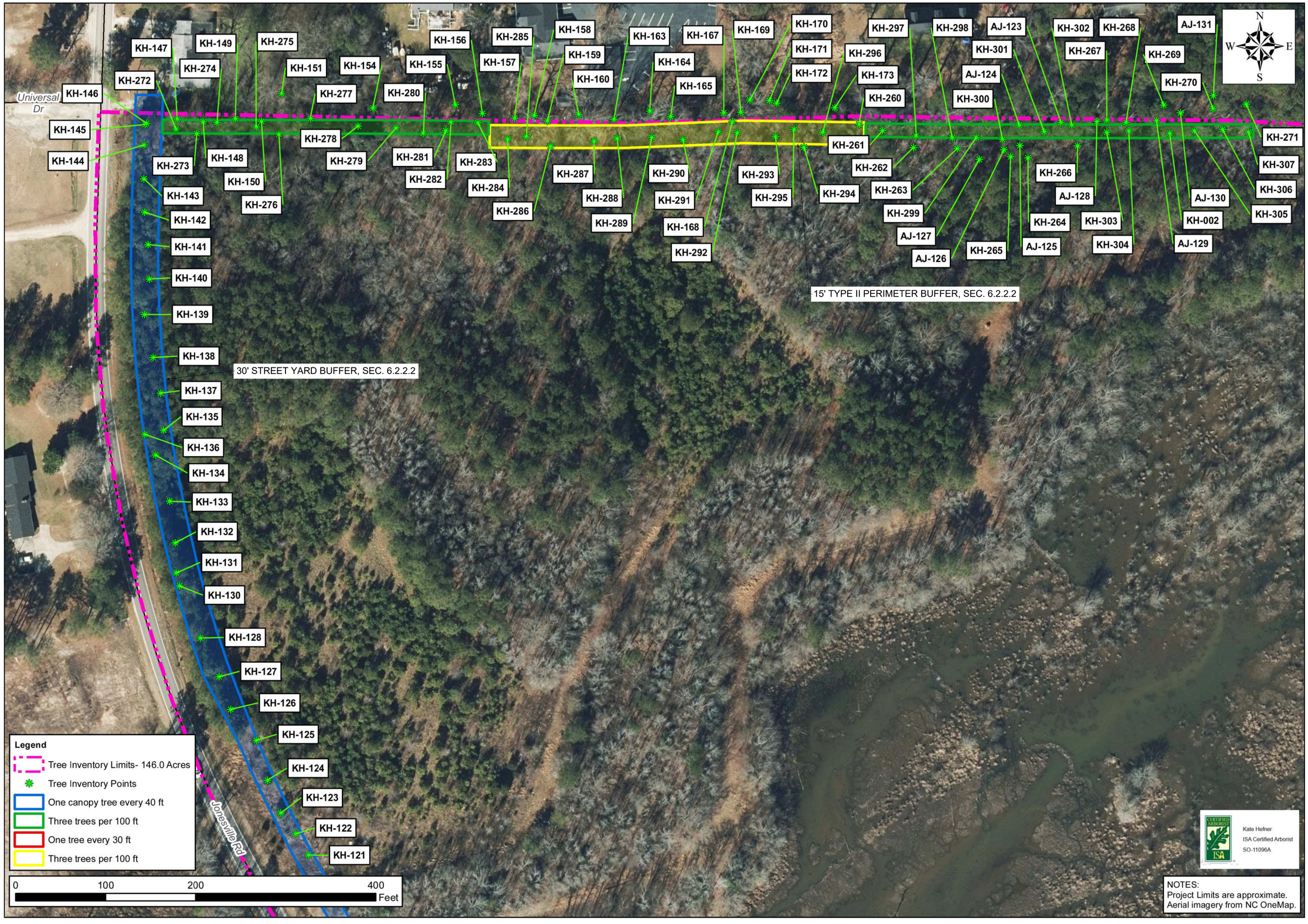
OVERALL TREE INVENTORY MAP

DRAWING SHEET
C-3.1

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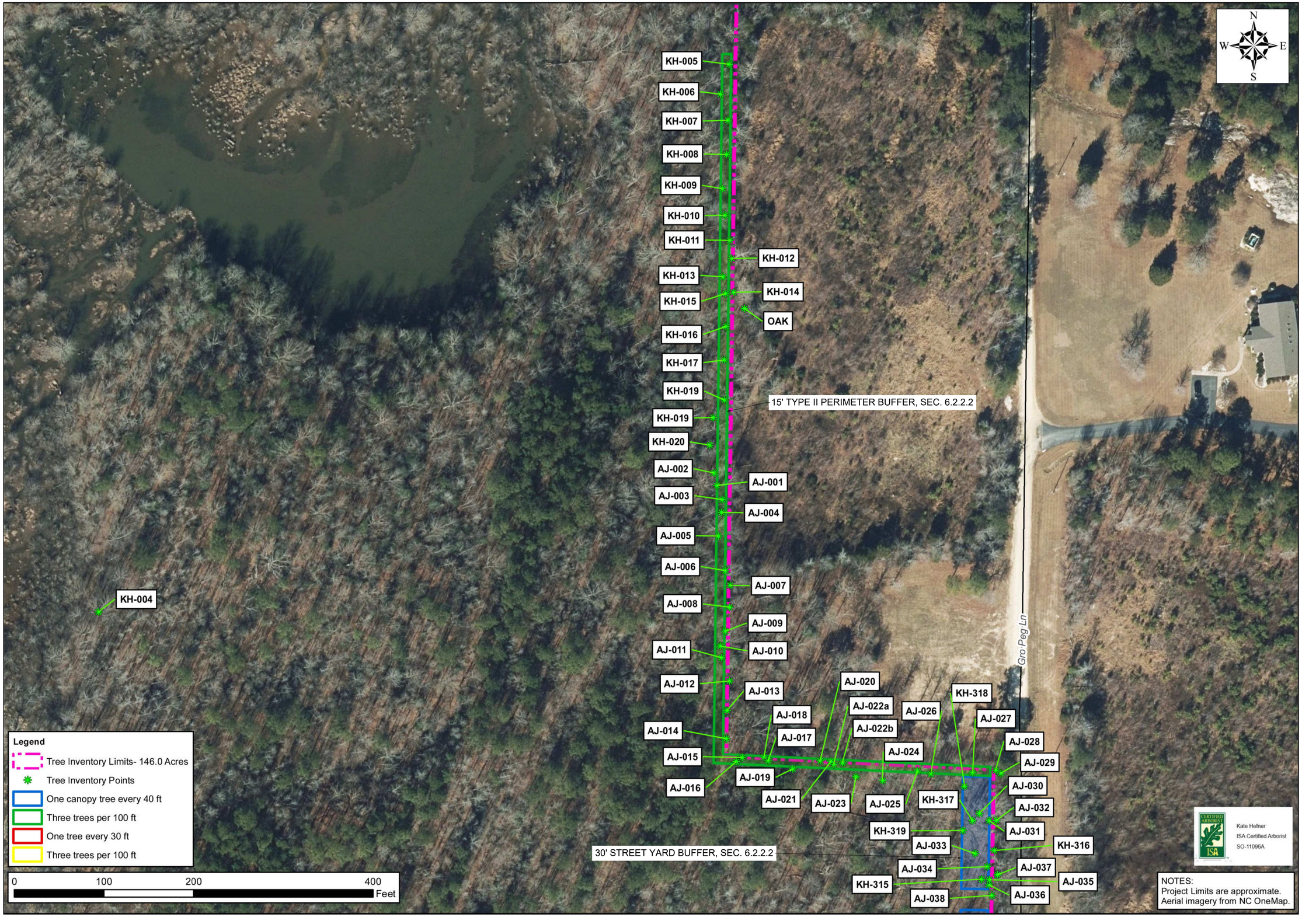
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PARTIAL TREE INVENTORY MAP I

DRAWING SHEET
C-3.2

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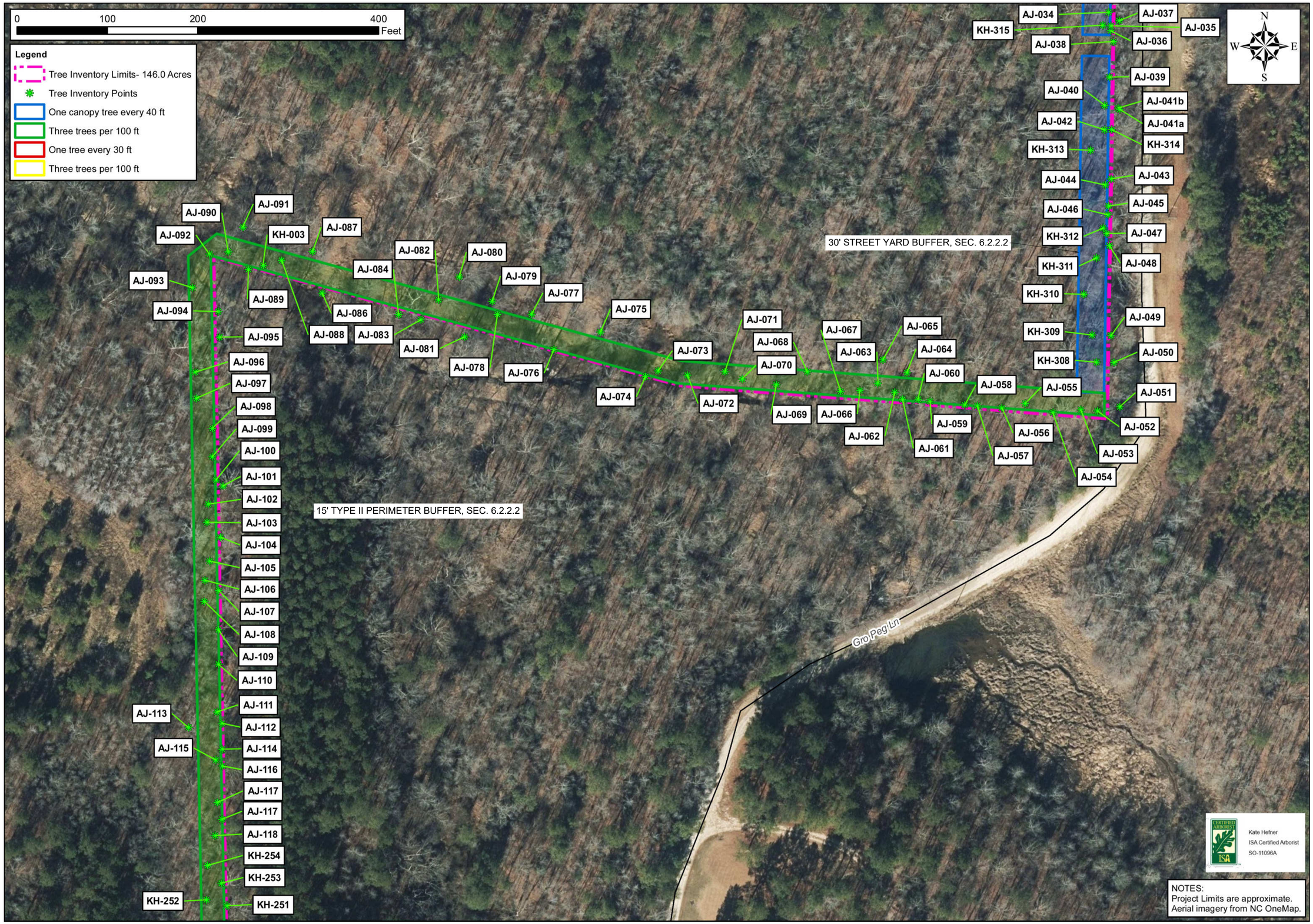
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PARTIAL TREE INVENTORY MAP II

DRAWING SHEET
C-3.3

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PARTIAL TREE INVENTORY MAP III

DRAWING SHEET
C-3.4

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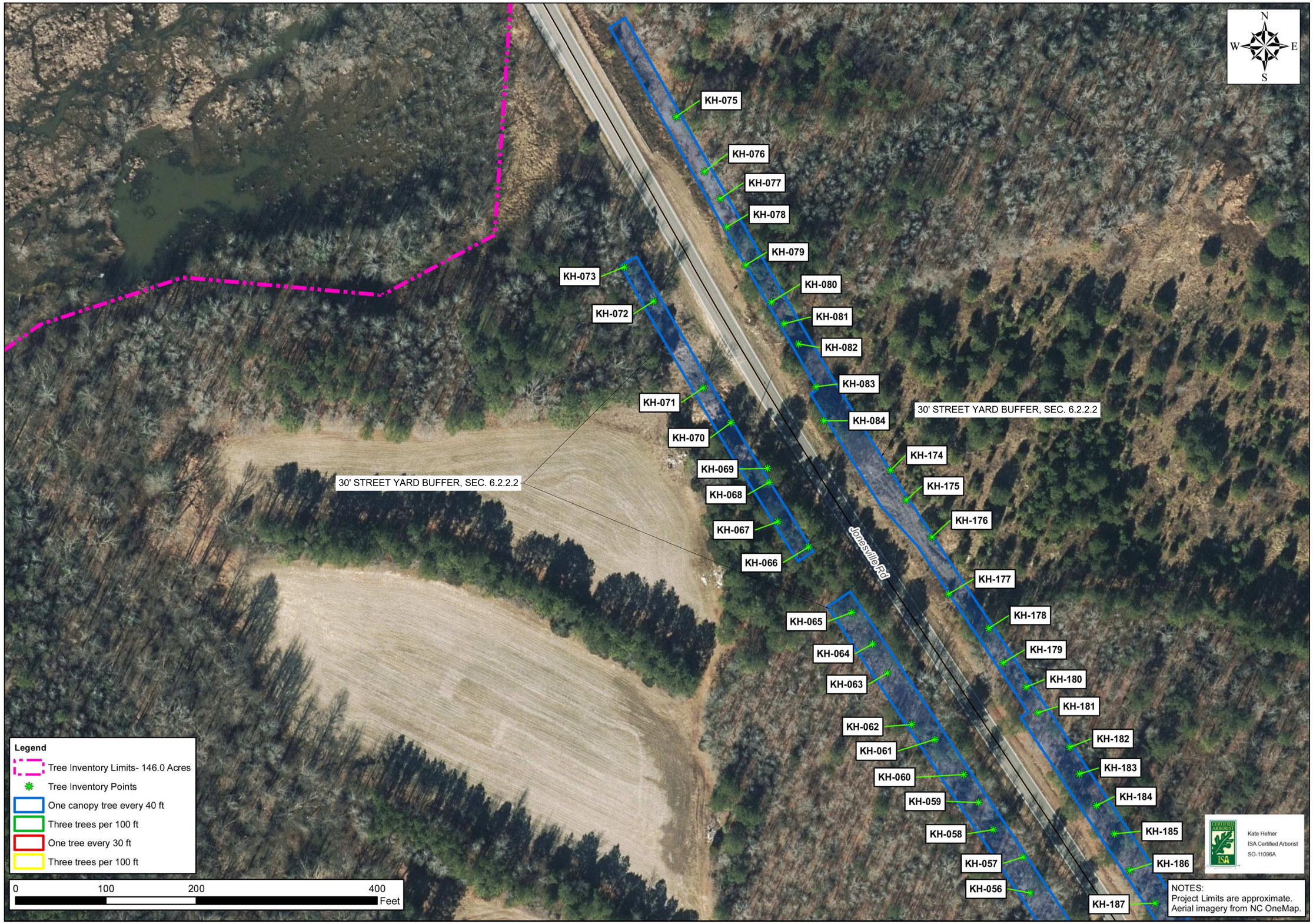
PARTIAL TREE INVENTORY MAP IV

DRAWING / SHEET
C-3.5

09 OF 227

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PARTIAL TREE INVENTORY MAP V

DRAWING
SHEET

C-3.6

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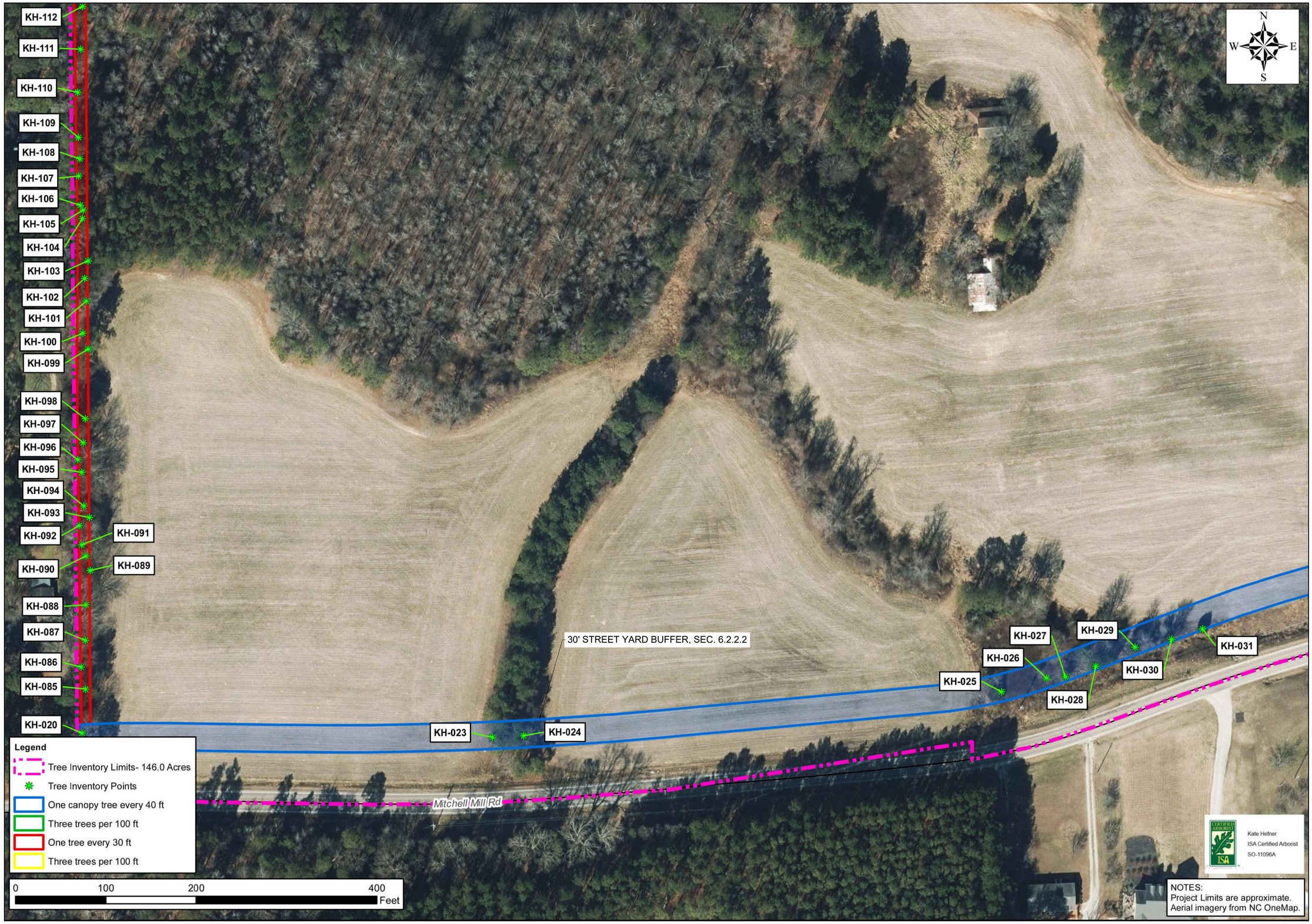
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CONSTRUCTION PLANS

PARTIAL TREE INVENTORY MAP VI

DRAWING SHEET
C-3.7

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PARTIAL TREE INVENTORY MAP VII

DRAWING SHEET

C-3.8

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Tree Code	Botanical Name	DBH	Condition Overall
AJ-001	LITU	19"	Good
AJ-002	CATO	10"	Good
AJ-003	QUAL	10"	Good
AJ-004	JUVI	6"	Good
AJ-005	CATO	13"	Good
AJ-006	QURU	10"	Good
AJ-007	QURU	8"	Good
AJ-008	LIST	18"	Good
AJ-009	QUAL	6"	Good
AJ-010	QURU	14"	Good
AJ-011	QUAL	14"	Good
AJ-012	QUAL	12"	Good
AJ-013	CATO	6"	Good
AJ-014	ACRU	14"	Good
AJ-015	QUNI	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	6"	Good
AJ-104	QURU	19"	Good
AJ-105	QUNI	17"	Good
AJ-106	LIST	7"	Good
AJ-107	QURU	28"	Good
AJ-108	LIST	5"	Good
AJ-109	QUST	18"	Good
AJ-110	PRSE	6"	Good
AJ-111	LIST	14"	Good
AJ-112	PITA	21"	Good
AJ-113	QUPH	18"	Good
AJ-114	PITA	28"	Good
AJ-115	CACA	5"	Good
AJ-116	QUST	20"	Good
AJ-117	CACA	6"	Good
AJ-117	CACA	7"	Good
AJ-118	QUNI	16"	Good
AJ-123	PITA	23"	Good
AJ-124	PITA	25"	Good
AJ-125	PRSE	6"	Good
AJ-126	QUNI	7"	Good
AJ-127	QUNI	7"	Good
AJ-128	PITA	20"	Good
AJ-129	PITA	20"	Good
AJ-130	LITU	21"	Good
AJ-131	ULRU	8"	Good

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

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

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03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	P&P-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

TREE INVENTORY TABLE

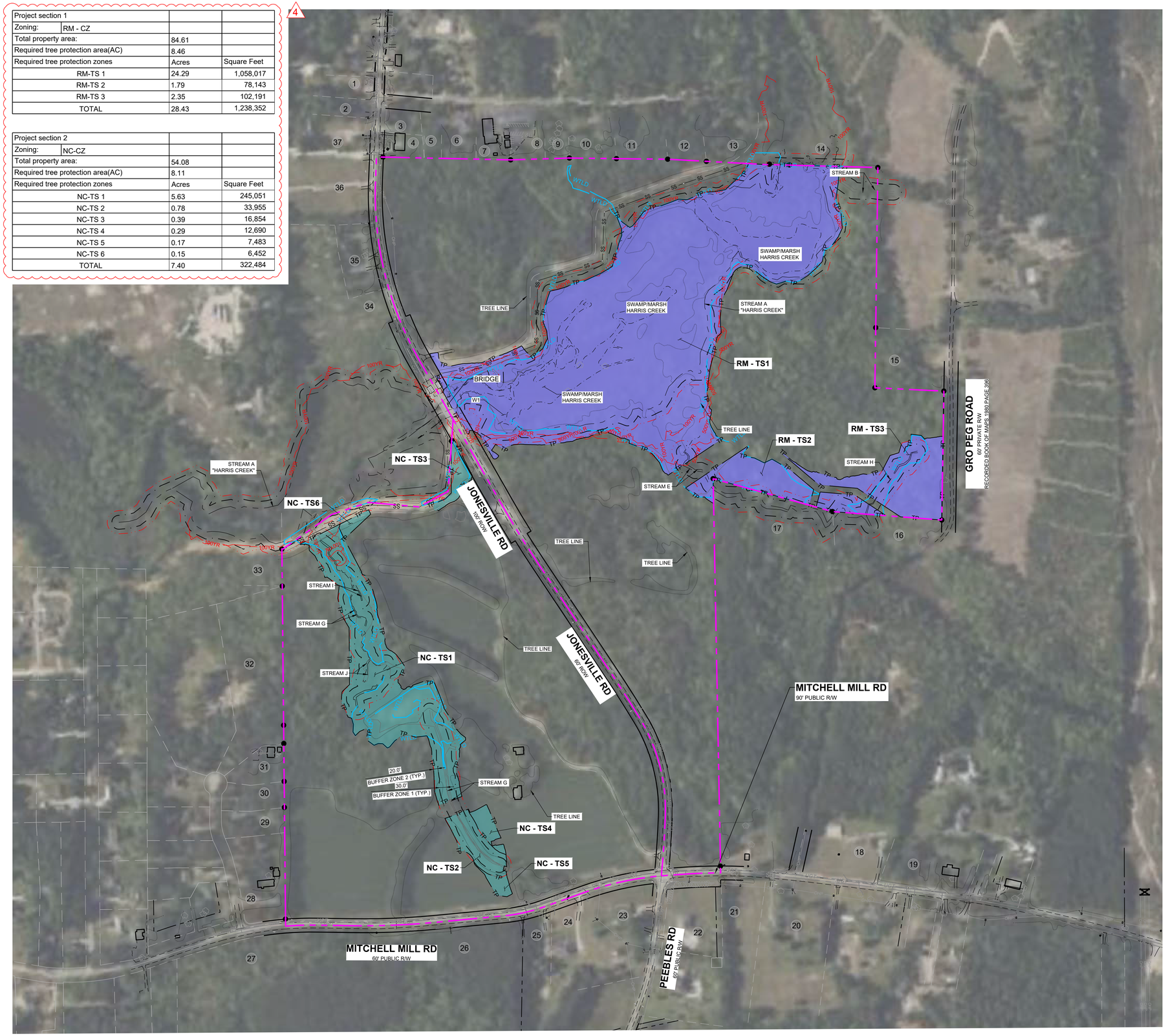
DRAWING SHEET
C-3.9

13 OF 227

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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	24.29	1,058,017
RM-TS 2	1.79	78,143
RM-TS 3	2.35	102,191
TOTAL	28.43	1,238,352

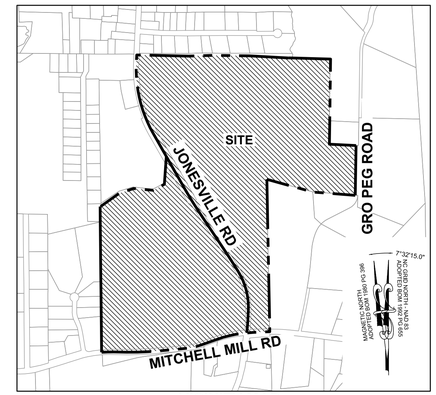
Project section 2		
Zoning:	NC-CZ	
Total property area:	54.08	
Required tree protection area(AC)	8.11	
Required tree protection zones	Acres	Square Feet
NC-TS 1	5.63	245,051
NC-TS 2	0.78	33,955
NC-TS 3	0.39	16,854
NC-TS 4	0.29	12,690
NC-TS 5	0.17	7,483
NC-TS 6	0.15	6,452
TOTAL	7.40	322,484



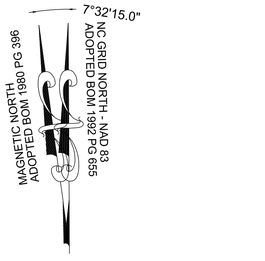
NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

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



VICINITY MAP
1" = 800'



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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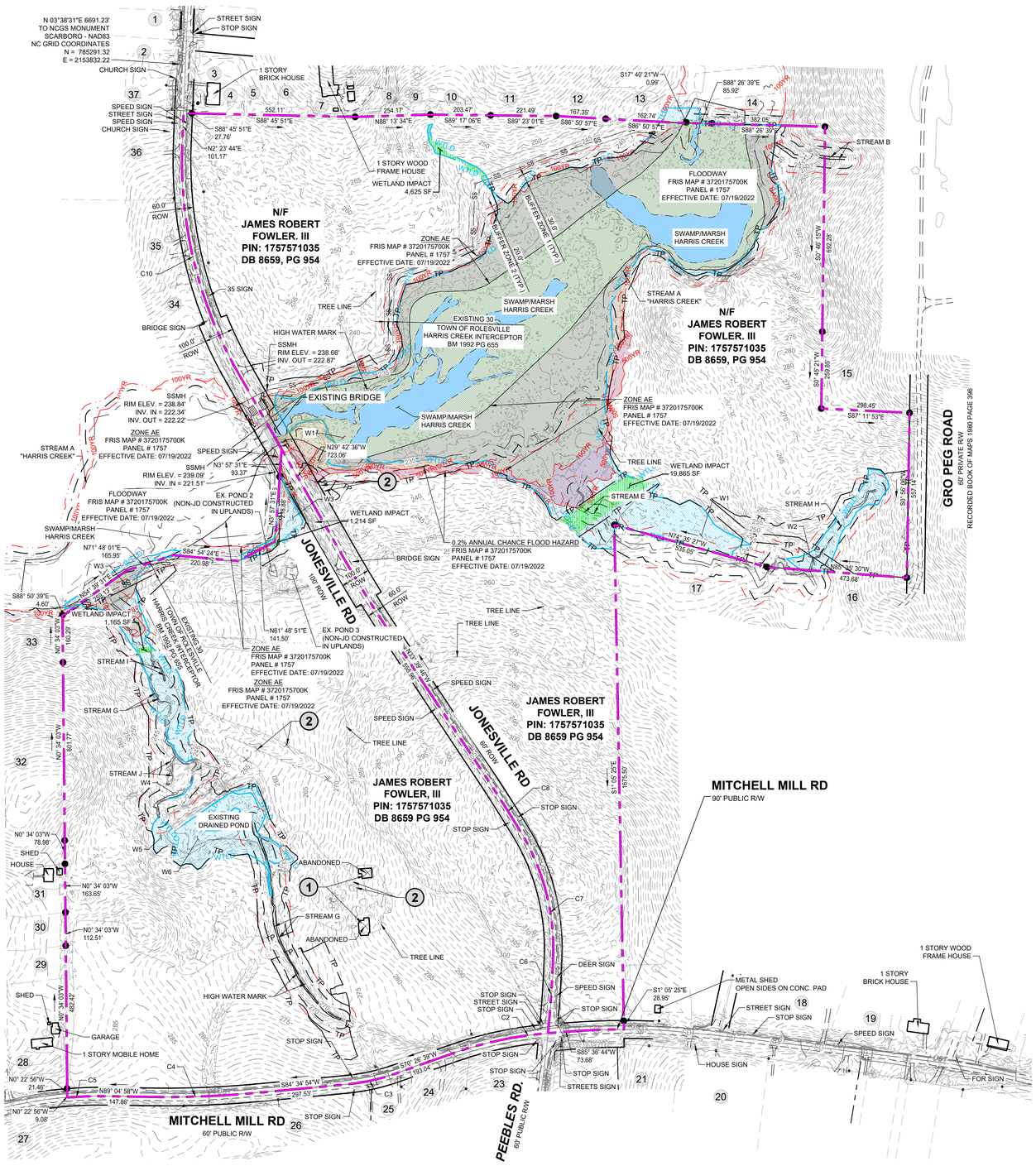
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

TREE PROTECTION PLAN

DRAWING SHEET
C-3.10

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: 1757540096 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 19359 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: SF	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		



DEMOLITION KEYNOTES:

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

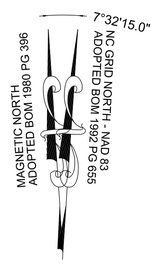
LEGEND:

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

PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.66'	177.62'	S 85°36'44" W
C2	1293.60'	342.46'	341.46'	S 70°26'39" W
C3	713.00'	175.93'	175.49'	S 84°34'54" W
C4	3289.02'	363.69'	363.50'	N 89°04'58" W
C5	1415.00'	134.86'	134.81'	N 85°27'24" W
C6	4219.80'	259.16'	259.12'	N 02°03'26" E
C7	760.57'	443.75'	437.48'	N 31°22'17" W
C8	5980.51'	247.98'	249.97'	N 33°39'46" W
C9	4196.85'	289.52'	289.47'	N 29°42'36" W
C10	1444.00'	809.14'	798.60'	N 02°23'44" E



VICINITY MAP
1" = 800'



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
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03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

DEMOLITION PLAN

DRAWING SHEET
C-4.0

15 OF 227

SOUNDGARDEN COURT
20' PUBLIC R/W

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

SUPERSONIC WAY
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

EXISTING BRIDGE

JONESVILLE RD
100' R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

GUARANTEED ALLEY
20' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

FUTURE GRO PEG RD
IMPROVEMENTS TO BE
DETERMINED

PARACHUTE PLACE
50' PUBLIC R/W

LIGHTNING BOLT LANE
67' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

EVEN FLOW LANE
50' PUBLIC R/W

YELLOW MOON COURT
50' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

JONESVILLE RD
60' R/W

MITCHELL MILL RD.
60' PUBLIC R/W

PEEBLES RD.
60' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

COMMERCIAL SITE
(SEPARATE CID SUBMITTAL)

SCM #1 WET POND
SCM #2 WET POND
SCM #3 WET POND
SCM #4 WET POND
SCM #5 WET POND
SCM #6 WET POND
SCM #7 WET POND
SCM #8 WET POND

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-3.0 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

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

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

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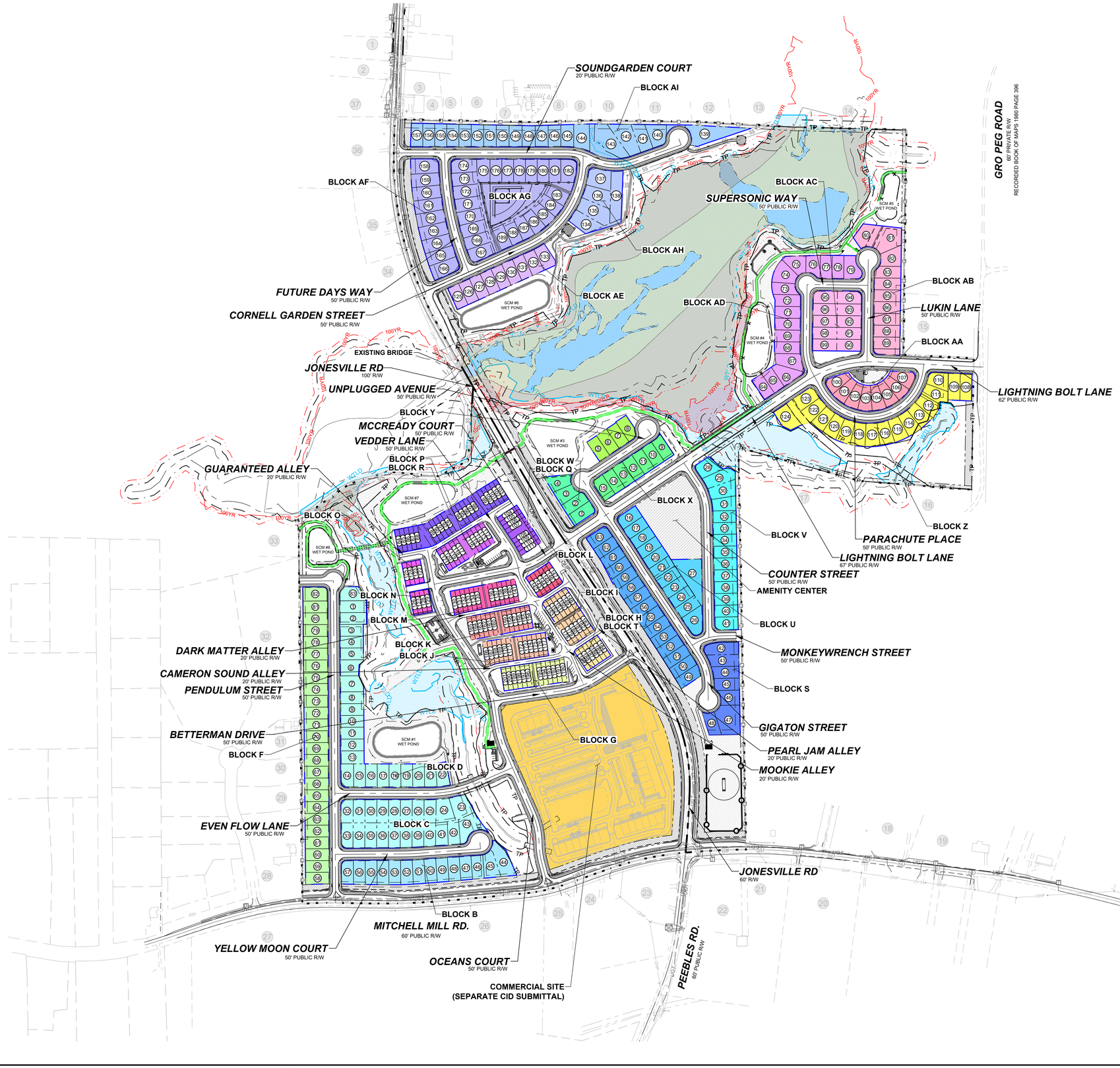
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CHECKED BY	SRG

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

PHASING PLAN

DRAWING SHEET
C-5.0

PROGRESS PLOT DATE: 05/29/25



LEGEND:

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

TOWNHOME NOTES:

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NOTES:

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7°32'15.0"
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ADOPTED BOM 1992 PG 655
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

BLOCK AND LOT PLAN

DRAWING SHEET

C-5.1

17 OF 227

PROGRESS PLOT DATE: 05/29/25

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	SOUNDGARDEN COURT	729.66'	N89°58'55"E	10+00.00	17+29.66
L2	SOUNDGARDEN COURT	211.22'	N70°13'32"E	20+27.63	22+38.85
L3	SOUNDGARDEN COURT	28.00'	N19°46'28"W	22+38.85	22+66.85
L4	CORNELL GARDEN STREET	491.62'	N65°38'58"E	10+00.00	14+91.62
L5	CORNELL GARDEN STREET	15.79'	N0°01'05"W	19+50.07	19+65.85
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	176.90'	N33°46'39"W	10+00.00	11+76.90
L9	UNPLUGGED AVENUE	348.89'	N56°12'22"E	11+76.90	15+25.79
L10	UNPLUGGED AVENUE	28.00'	N33°47'38"W	15+25.79	15+53.79
L11	GIGATON STREET	175.00'	S33°46'39"E	10+00.00	11+75.00
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	68.95'	S1°05'25"E	18+43.12	19+12.07
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	85.37'	S88°54'35"W	10+00.00	10+85.37
L18	MONKEYWRENCH STREET	2.12'	S56°13'21"W	12+16.59	12+18.71
L19	SUPERSONIC WAY	11.85'	N28°40'26"W	10+00.00	10+11.85
L20	SUPERSONIC WAY	264.97'	N0°41'10"E	11+29.71	13+94.68
L21	SUPERSONIC WAY	258.23'	S89°18'50"E	13+94.68	16+52.91
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	56.04'	N10°59'05"W	23+55.26	24+11.30
L34	OCEANS COURT	103.92'	N10°59'05"W	24+11.31	25+15.22
L35	OCEANS COURT	30.91'	N10°59'05"W	25+15.22	25+46.13
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	120.13'	N79°05'59"E	10+00.00	11+20.13
L57	GUARANTEED ALLEY	355.03'	N58°06'55"E	11+75.08	15+30.10
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	1000.00'	29.99'	29.99'	S32°55'06"E	11+75.00	12+04.99
C7	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E	12+75.05	13+05.04
C8	GIGATON STREET	230.00'	131.21'	129.44'	S17°26'02"E	17+11.90	18+43.12
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
- 500 YEAR FLOOD LINE
- 100 YEAR 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
- WTLD — EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- TP — TREE PROTECTION FENCE
- GENERIC WOODEN PRIVACY FENCE
- FENCE PICKET FLAT-TOP
- X — X — FENCING

TOWNHOME NOTES:

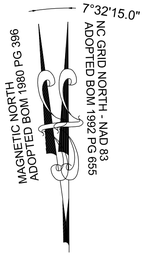
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NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS
SEE SHEET C-3.0 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.

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OVERALL SITE PLAN

DRAWING SHEET
C-6.0

18 OF 227

PROGRESS PLOT DATE: 05/29/25

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

RET. WALL BY OTHERS (TYP.)
TYPE II PERIMETER BUFFER
15.0'
20.0' PRIVATE DRAINAGE EASEMENT
PROPERTY LINE (TYP.)
PHASE LINE (TYP.)
GENERIC WOODEN PRIVACY FENCE 6' TALL

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

SCM #6
WET POND
43,550 SF
1.00 AC

POLLINATOR GARDEN
1.08 AC

SMALL IPEMA PLAYGROUND
0.20 AC

PRIMITIVE TRAIL
1.42 AC

LEFT TURN STORAGE LENGTH 100.0'
11.0' LANE
5.0' BIKE LANE
11.0' LANE
30.0' STREET YARD BUFFER
STREET NAME SIGN (TYP.)
SPEED LIMIT SIGN (TYP.)
10'X70' SIGHT DISTANCE TRIANGLES
CROSSWALK (TYP.)
STOP SIGN (TYP.)
STOP BAR (TYP.)
20.0' PUBLIC DRAINAGE EASEMENT
SIDE SETBACK (TYP.)
THE OVERHEAD POWER WILL BE RELOCATED
30.0' STREET YARD BUFFER
10.0' SIDE PATH
1.0' PAVED SHOULDER
11.0' LANE
5.0' BIKE LANE
11.0' LANE
11.0' LEFT TURN LANE
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
10'X70' SIGHT DISTANCE TRIANGLES
WHEELCHAIR RAMPS (TYP.)
10'X70' SIGHT DISTANCE TRIANGLES
PEDESTRIAN CROSSING SIGN (TYP.)
11.0' LANE
11.0' LANE
11.0' LEFT TURN LANE
11.0' LANE
11.0' RIGHT TURN LANE
100.0' RIGHT TURN STORAGE LENGTH
100.0' RIGHT TURN TAPER LENGTH
20.0' PRIVATE DRAINAGE EASEMENT
20.0' DRAINAGE & ACCESS EASEMENT
30.0' STREET YARD BUFFER
8.0' WIDE PERVIOUS PRIMITIVE TRAIL OUT OF CRUSHED GRANITE OR APPROVED EQUAL (CA. 864 LF)
10.0' BERM
SCM MAINTENANCE EASEMENT
5.0' WIDE PERVIOUS PRIMITIVE TRAIL OUT OF CRUSHED GRANITE OR APPROVED EQUAL (231 LF) SEE REFERENCE IMAGE THIS SHEET
30.0' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 46 LF)
3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)
30.0' SANITARY SEWER EASEMENT
10.0' WIDE PAVED LAWN PLAY
10.0' WIDE PRIVATE MULTI-USE PATHWAY
30.0' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
STREAM A "HARRIS CREEK"
SWAMP/MARSH HARRIS CREEK
FLOODZONE AE
FLOODWAY
BUFFER ZONE 1 (TYP.)
30.0'
BUFFER ZONE 2 (TYP.)
30.0'
W1
WTLD
100YR
TP
SS

MATCH LINE
FOR CONTINUATION, SEE C-6.2

MATCH LINE
FOR CONTINUATION, SEE C-6.4

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.

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

SITE KEY PLAN

LEGEND:
SEE SHEET C-6.0 FOR LEGEND, LINE & CURVE TABLES.

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No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

DRAWING SHEET
C-6.1

19 OF 227

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

SOUNDGARDEN COURT
50' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

POLLINATOR GARDEN
1.08 AC

PARKOUR COURSE
1.53 AC

SCM #5
WET POND
15,033 SF
0.35 AC

SCM #4
WET POND
33,082 SF
0.76 AC

MATCH LINE
FOR CONTINUATION, SEE C-6.1

MATCH LINE
FOR CONTINUATION, SEE C-6.3

STREAM A "HARRIS CREEK"

STREAM B

FLOODWAY

FLOOD ZONE AE

SWAMP/MARSH
HARRIS CREEK

GREENWAY
(1,456 LF)

GREENWAY TRAIL

GREENWAY BOARDWALK CROSSING
OVER SPILLWAY, BY OTHERS (CA. 39 LF)

GREENWAY BOARDWALK CROSSING
OVER SPILLWAY, BY OTHERS (CA. 44 LF)

RET. WALL BY OTHERS (TYP.)

TYPE II PERIMETER BUFFER

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

SIDE SETBACK (TYP.)

WHEELCHAIR RAMPS (TYP.)

STREET NAME
SIGN (TYP.)

DEAD END
SIGN (TYP.)

STOP SIGN (TYP.)

CROSSWALK (TYP.)

SIDEWALK

GENERIC WOODEN
PRIVACY FENCE 6' TALL

PROPERTY LINE

PHASE LINE (TYP.)

SCM MAINTENANCE
EASEMENT

20.0' PUBLIC
DRAINAGE EASEMENT

20.0' PRIVATE
DRAINAGE EASEMENT

30.0' SANITARY
SEWER EASEMENT

30.0' GREENWAY
EASEMENT

3.0' CITY OF RALEIGH
UTILITY EASEMENT (TYP.)

30.0' EXISTING
CREEK BUFFER PER
BM 1980 PG 655

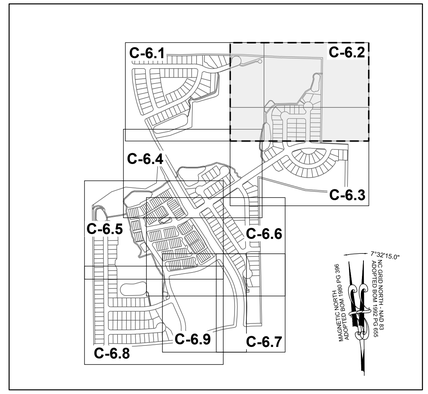
10.0' WIDE REMOVED
LANDSCAPE BUFFER

136
13,113 SF

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 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.

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03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

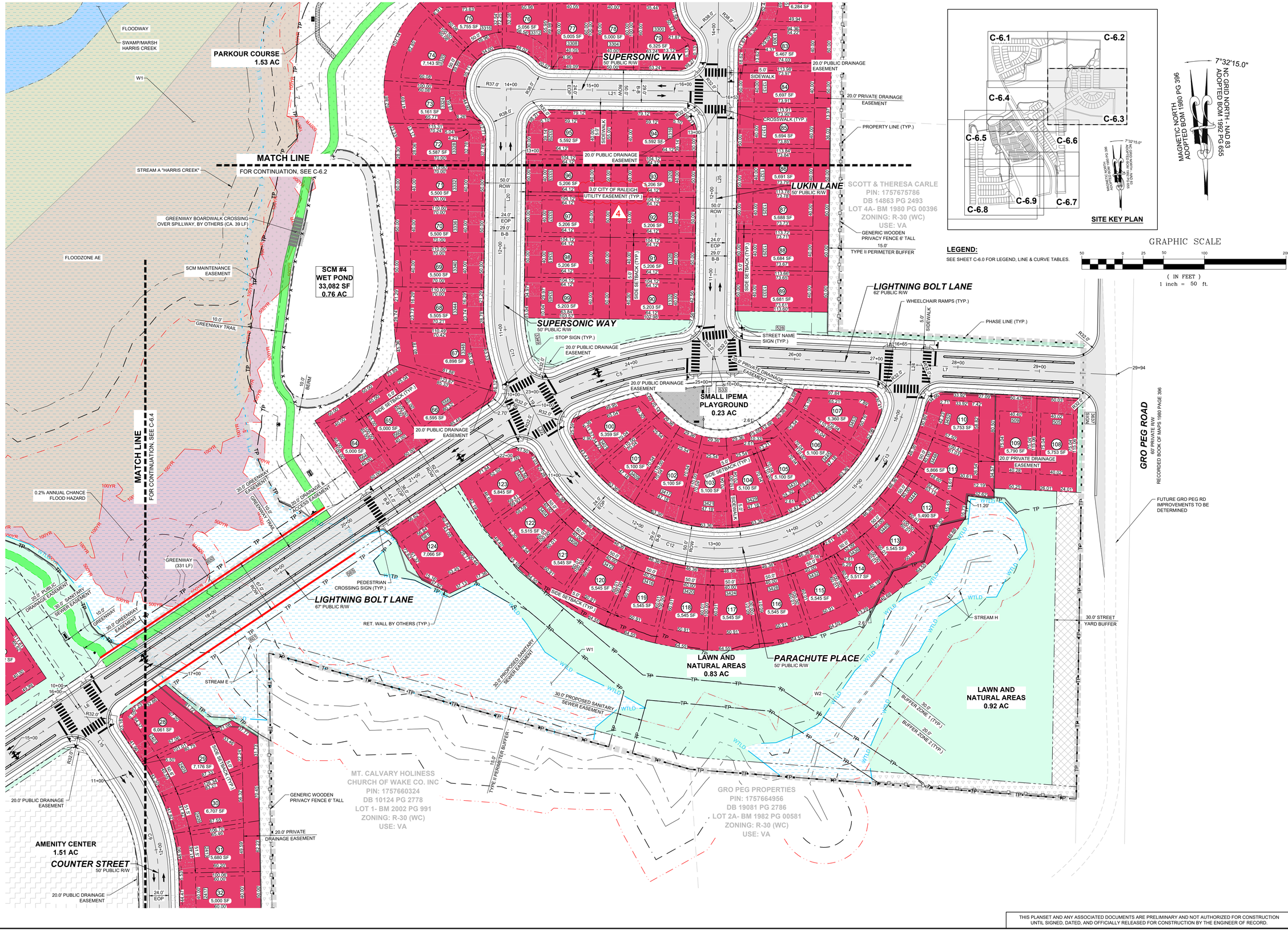
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET
C-6.2

PROGRESS PLOT DATE: 05/29/25



LEGEND:

SEE SHEET C-6.0 FOR LEGEND, LINE & CURVE TABLES.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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

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

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL SITE PLAN III

DRAWING SHEET
C-6.3

21 OF 227

PROGRESS PLOT DATE: 05/29/25

TOWNHOME NOTES:

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

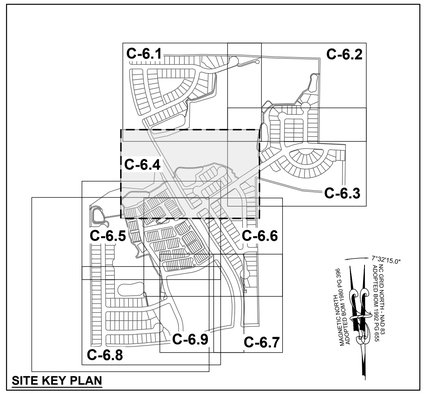
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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-6.0 FOR LEGEND, LINE & CURVE TABLES.

MATCH LINE
FOR CONTINUATION, SEE C-6.1

MATCH LINE
FOR CONTINUATION, SEE C-6.3

MATCH LINE
FOR CONTINUATION, SEE C-6.5

JONESVILLE RD
100' R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

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

SCM #3
WET POND
43,031 SF
0.99 AC

SCM #7
WET POND
39,329 SF
0.90 AC

BRIDGE

STREAM A "HARRIS CREEK"

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

RET. WALL BY OTHERS (TYP.)

PHASE LINE (TYP.)

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

SCM MAINTENANCE EASEMENT

GREENWAY TRAIL

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 39 LF)

GREENWAY BOARDWALK CROSSING OVER SPILLWAY BY OTHERS (CA. 70 LF)

GREENWAY (895 LF)

GREENWAY (331 LF)

SCM MAINTENANCE EASEMENT

30.0' SANITARY SEWER EASEMENT

PROPOSED OVERHEAD POWER RELOCATION

35.0' COMBINED W/S EASEMENT (TYP.)

STREET YARD BUFFER

WHEELCHAIR RAMPS (TYP.)

SIDE PATH

11.0' LEFT TURN LANE

5.0' BIKE LANE

11.0' OVR LANE

5.0' BIKE LANE

100.0' RIGHT TURN TAPER LENGTH

STORAGE LENGTH

CROSSWALK (TYP.)

STOP SIGN (TYP.)

STREET NAME SIGN (TYP.)

PARKING SIGN (TYP.)

10'x70' SIGHT DISTANCE TRIANGLES

10'x70' SIGHT DISTANCE TRIANGLES

10'x70' SIGHT DISTANCE TRIANGLES

SIDEWALK

SIDE SETBACK (TYP.)

REAR SETBACK (TYP.)

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

30.0' SANITARY SEWER EASEMENT

10.0' GREENWAY EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

5.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

TYPE II PERIMETER BUFFER

STREAM E

GENERIC WOODEN PRIVACY FENCE 6' TALL

0.2% ANNUAL CHANCE FLOOD HAZARD

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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

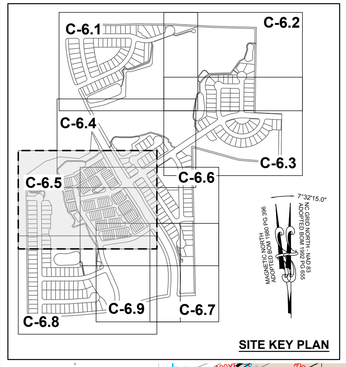
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

DRAWING SHEET
C-6.4

22 OF 227

PROGRESS PLOT DATE: 05/29/25



SITE KEY PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND:
SEE SHEET C-6.0 FOR LEGEND, LINE & CURVE TABLES.

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

7°32'15.0"

GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 555

MATCH LINE
FOR CONTINUATION, SEE C-6.4

SCM #7
WET POND
39,329 SF
0.90 AC

SCM #8
WET POND
16,676 SF
0.38 AC

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

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 39 LF)

GREENWAY (1,908 LF)

GREENWAY (745 LF)

10' BOARDWALK

TOWN OF ROLESVILLE INTERCEPTOR 8IN +/- PVC SS

30.0' EXISTING CREEK

SCM MAINTENANCE EASEMENT

20.0' DRAINAGE ACCESS EASEMENT

10.0' BERM

30.0' SANITARY SEWER EASEMENT

RET. WALL BY OTHERS (TYP.)

STREAM I

STREAM G

STREAM J

W3

W4

W5

W6

EXISTING DRAINED POND

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

TYPE III BARRICADES (TYP.)

TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

PHASE LINE (TYP.)

SIDE SETBACK (TYP.)

10.0' SIDE SETBACK (TYP.)

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

PEDESTRIAN CROSSING SIGN (TYP.)

3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

CROSSWALK (TYP.)

PARKING SIGN (TYP.)

MAIL KIOSK

STOP SIGN (TYP.)

STREET NAME SIGN (TYP.)

10'X70' SIGHT DISTANCE TRIANGLES

10'X70' SIGHT DISTANCE TRIANGLES

10'X70' SIGHT DISTANCE TRIANGLES

PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT

WHEELCHAIR RAMPS (TYP.)

SIDEWALK

30.0' STREET YARD BUFFER

30.0' CORRIDOR/BUFFER EASEMENT (TYP.)

SCM MAINTENANCE EASEMENT

PROPOSED OVERHEAD POWER RELOCATION

20.0' PRIVATE DRAINAGE EASEMENT

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

POCKET PARK II 0.38 AC

MCCREADY COURT 50' PUBLIC R/W

PEARL JAM ALLEY 20' PUBLIC R/W

OCEANS COURT 50' PUBLIC R/W

BASKETBALL COURT 0.76 AC

POCKET PARK I 0.70 AC

PENDULUM STREET 50' PUBLIC R/W

DARK MATTER ALLEY 20' PUBLIC R/W

MOOKIE ALLEY 20' PUBLIC R/W

CAMERON SOUND ALLEY 20' PUBLIC R/W

BETTERMAN DRIVE 50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-6.6

MATCH LINE
FOR CONTINUATION, SEE C-6.8

TOWNHOME NOTES:

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

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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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

DRAWING SHEET
C-6.5

23 OF 227

PROGRESS PLOT DATE: 05/29/25

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

COUNTER STREET
50' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

DARK MATTER ALLEY
20' 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

JONESVILLE RD
100' R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

POCKET PARK II
0.38 AC

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

MATCH LINE
FOR CONTINUATION, SEE C-6.5

MATCH LINE
FOR CONTINUATION, SEE C-6.7

BUILDING A

BUILDING E

COMMERCIAL SITE
(SEPARATE CID SUBMITTAL)
9.66 AC

CRICKET PITCH
1.68 AC

PROPOSED OVERHEAD POWER RELOCATION

PARKING SIGN (TYP.)

MAIL KIOSK

STOP SIGN (TYP.)

STREET NAME SIGN (TYP.)

10'X70' SIGHT DISTANCE TRIANGLE

10'X70' SIGHT DISTANCE TRIANGLES

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

5.0' SIDEWALK

RET. WALL BY OTHERS (TYP.)

SIDE SETBACK (TYP.)

30.0' STREET YARD BUFFER

WHEELCHAIR RAMPS (TYP.)

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

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.)

10.0' GREENWAY

TRAIL HEAD

STREAM G

WTLD

TP

SITE KEY PLAN

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

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-6.0 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	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL

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

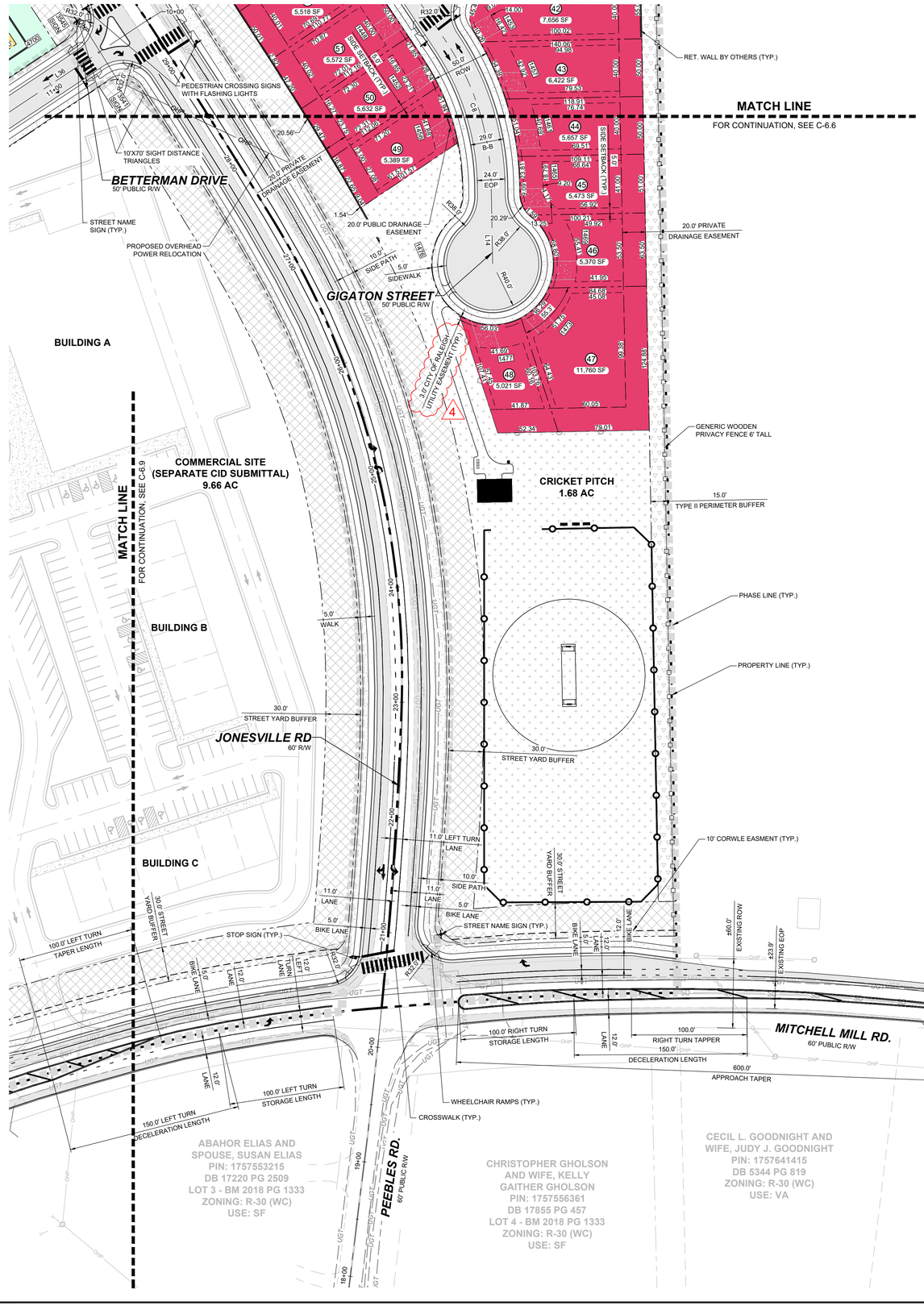
STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

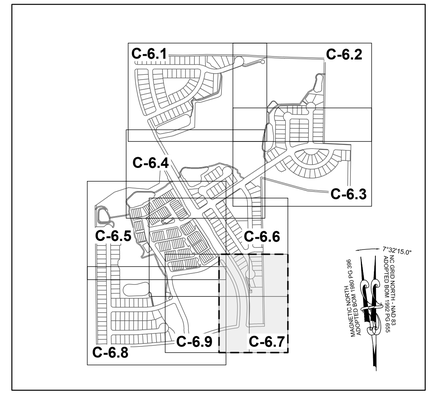
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL SITE PLAN VI

DRAWING SHEET
C-6.6

24 OF 227

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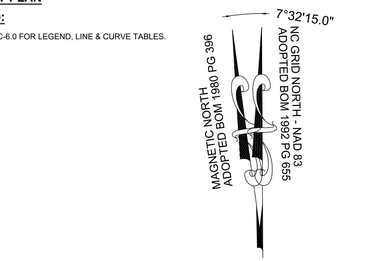




SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND, LINE & CURVE TABLES.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024 SREG
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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025 SREG

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

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

PARTIAL SITE PLAN VII

DRAWING SHEET

C-6.7

25 OF 227

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PROGRESS PLOT DATE: 05/29/25

PHASE LINE (TYP.)

PROPERTY LINE (TYP.)

GENERIC WOODEN PRIVACY FENCE 6' TALL

PENDULUM STREET
50' 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

20.0' PRIVATE DRAINAGE EASEMENT

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

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

EXISTING DRAINED POND

W5 20.0' PRIVATE DRAINAGE EASEMENT

W6

MATCH LINE
FOR CONTINUATION, SEE C-6.5

SCM MAINTENANCE EASEMENT

RET. WALL BY OTHERS (TYP.)

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 36 LF)

NEIGHBOURHOOD PARK
1.92 AC

SCM #1
WET POND
36,844 SF
0.85 AC

8.0' WIDE CRUSHED GRAVEL OR APPROVED EQUAL (CA. 744 LF)

10.0' BERM

20.0' DRAINAGE & ACCESS EASEMENT

30.0' GREENWAY EASEMENT

10.0' GREENWAY

20.0' PUBLIC DRAINAGE EASEMENT

TRAIL HEAD

RET. WALL BY OTHERS (TYP.)

BETTERMAN DRIVE
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

BUILDING E

WHEELCHAIR RAMPS (TYP.)

COMMERCIAL SITE
(SEPARATE CID SUBMITTAL)
9.66 AC

OCEANS COURT
50' PUBLIC R/W

EVEN FLOW LANE
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

SIDE SETBACK (TYP.)

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

SCM / PLAZA

STREAM G

BUFFER ZONE 2 (TYP.)

BUFFER ZONE 1 (TYP.)

YELLOW MOON COURT
50' PUBLIC R/W

3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

SIDE SETBACK (TYP.)

PEDESTRIAN CROSSING SIGN (TYP.)

BUILDING D

MATCH LINE
FOR CONTINUATION, SEE C-6.7

STREET YARD BUFFER 30.0'

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

10'x70' SIGHT DISTANCE TRIANGLES (TYP.)

5029 SIGN

5101 SIGN

100.0' LEFT TURN TAPER LENGTH

150.0' DECELERATION LENGTH

100.0' TAPER

100.0' RIGHT TURN STORAGE LENGTH

5001 SIGN

5005 SIGN

STOP SIGN (TYP.)

CROSSWALK (TYP.)

10' CORWLE EASEMENT (TYP.)

100.0' RIGHT TURN STORAGE LENGTH

150.0' DECELERATION LENGTH

100.0' TAPER

5.0' BIKE LANE

12.0' RIGHT TURN LANE

100.0' LEFT TURN STORAGE LENGTH

12.0' TURN LANE

12.0' LEFT

STREET NAME SIGN (TYP.)

1.0' PAVED SHOULDER

MITCHELL MILL RD.
60' PUBLIC R/W

STREET YARD BUFFER 30.0'

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

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

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

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND, LINE & CURVE TABLES.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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SEAL

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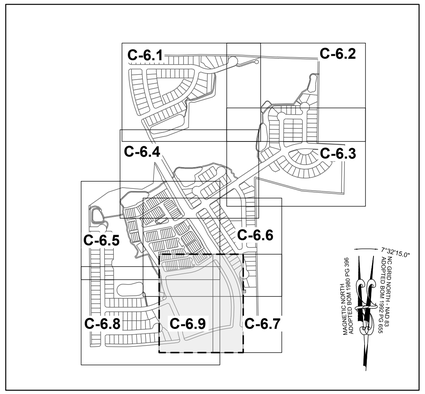
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DRAWN BY	SRG
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609

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

DRAWING SHEET
C-6.8

26 OF 227



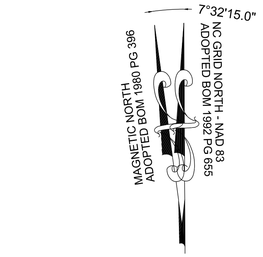
SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND, LINE & CURVE TABLES.

TOWNHOME NOTES:

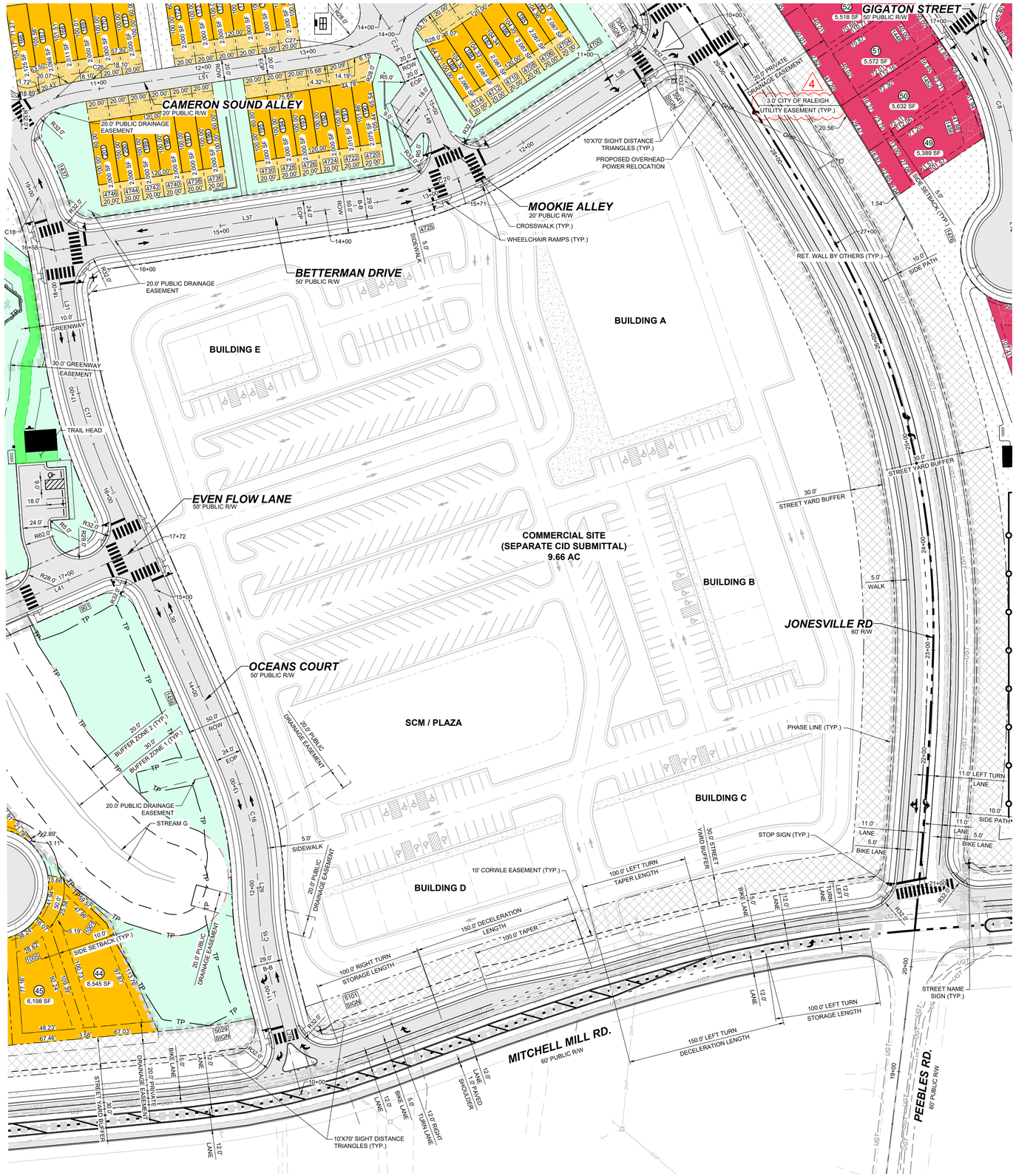
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

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(IN FEET)
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL SITE PLAN IX

DRAWING SHEET
C-6.9

27 OF 227

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DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
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'
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'
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'
45	6,198	FRONT: 50' DEPTH: 125'
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'

DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
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'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
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'
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'
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'
66	6,595	FRONT: 92' DEPTH: 124'
67	6,898	FRONT: 75' DEPTH: 124'
68	5,505	FRONT: 50' DEPTH: 110'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
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'
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'
82	6,284	FRONT: 60' DEPTH: 100'
84	5,697	FRONT: 50' DEPTH: 114'
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'
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'
101	5,100	FRONT: 57' DEPTH: 110'
102	5,100	FRONT: 57' DEPTH: 110'
103	5,100	FRONT: 57' DEPTH: 110'
108	5,753	FRONT: 50' DEPTH: 115'
109	5,790	FRONT: 50' DEPTH: 115'
110	5,753	FRONT: 53' DEPTH: 100'
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'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
124	7,066	FRONT: 52' DEPTH: 110'
125	5,000	FRONT: 50' DEPTH: 100'
126	5,000	FRONT: 50' DEPTH: 100'
127	5,000	FRONT: 50' DEPTH: 100'
128	5,000	FRONT: 50' DEPTH: 100'
129	5,000	FRONT: 50' DEPTH: 100'
130	5,000	FRONT: 50' DEPTH: 100'
131	5,000	FRONT: 50' DEPTH: 100'
132	5,196	FRONT: 50' DEPTH: 100'
133	5,709	FRONT: 50' DEPTH: 100'
134	7,388	FRONT: 59' DEPTH: 102'
135	9,518	FRONT: 59' DEPTH: 152'
136	7,674	FRONT: 59' DEPTH: 131'
137	8,151	FRONT: 81' DEPTH: 109'
138	10,501	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'
157	5,074	FRONT: 52' DEPTH: 101'
158	7,319	FRONT: 59' DEPTH: 120'
167	6,292	FRONT: 61' DEPTH: 110'
168	5,464	FRONT: 51' DEPTH: 110'
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'

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SEAL:

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

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CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
LOT SIZE TABLES

DRAWING SHEET
C-6.10

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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	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

SITE TABLES - NC ZONE

DRAWING SHEET

C-6.11

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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	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
SITE TABLES - RM ZONE

DRAWING SHEET
C-6.12

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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%)	882,078	20.25 (37.44%)

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	193,330	4.44
		TOTAL	353,359	8.11 (15%)	882,078	20.25 (37.44%)

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.

SCM #3 WET POND
SCM #7 WET POND
SCM #8 WET POND
SCM #1 WET POND
VEDDER LANE 50' PUBLIC R/W
GUARANTEED ALLEY 20' PUBLIC R/W
MCCREADY COURT 50' PUBLIC R/W
PENDULUM STREET 50' PUBLIC R/W
DARK MATTER ALLEY 20' PUBLIC R/W
PEARL JAM ALLEY 20' PUBLIC R/W
MOOKIE ALLEY 20' PUBLIC R/W
COUNTER STREET 50' PUBLIC R/W
MONKEYWRENCH STREET 50' PUBLIC R/W
CAMERON SOUND ALLEY 20' PUBLIC R/W
GIGATON STREET 50' PUBLIC R/W
BETTERMAN DRIVE 50' PUBLIC R/W
EVEN FLOW LANE 50' PUBLIC R/W
YELLOW MOON COURT 50' PUBLIC R/W
OCEANS COURT 50' PUBLIC R/W
JONESVILLE RD 60' R/W
COMMERCIAL SITE (SEPARATE CID SUBMITTAL)
PEEBLES RD. 60' PUBLIC R/W
MITCHELL MILL RD. 60' PUBLIC R/W

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

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

OVERALL OPEN SPACE NC-CZ

DRAWING SHEET
C-7.0

31 OF 227

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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	482,209	11.07
PHASE 4						
POS 1	30' THOROUGHFARE BUFFER	SECTION 6.2.2.2.D.1			39,885	0.92
POS 2	GREENWAY				2,814	0.06
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				52,461	1.20
POS 6	NATURAL WETLAND				17,299	0.40
PHASE 6						
POS 7	PERIMETER 15' TYPE 2 BUFFER	SECTION 6.2.2.1.F.2			22,526	0.52
POS 8	30' THOROUGHFARE BUFFER	SECTION 6.2.2.2.D.1			28,274	0.65
POS 9	GREENWAY				20,862	0.48
POS 10	NATURAL BUFFERS				1,307	0.03
ACTIVE OPEN SPACE "AS"		SECTION 6.2.1.G.12	176,679	4.06	160,596	3.69
PHASE 5						
AS 1	MEDIUM 1: BASKETBALL COURT				29,976	0.69
AS 2	SMALL 2: TOWNHOUSE POCKET PARK I				30,545	0.70
AS 3	SMALL 3: TOWNHOUSE POCKET PARK II				16,362	0.38
PHASE 6						
AS 4	MEDIUM 2: NEIGHBORHOOD PARK				83,713	1.92

"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 1992 PG 855

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

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03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

PASSIVE & ACTIVE OPEN SPACE
NC-CZ ZONE

DRAWING SHEET
C-7.1

LEGEND:

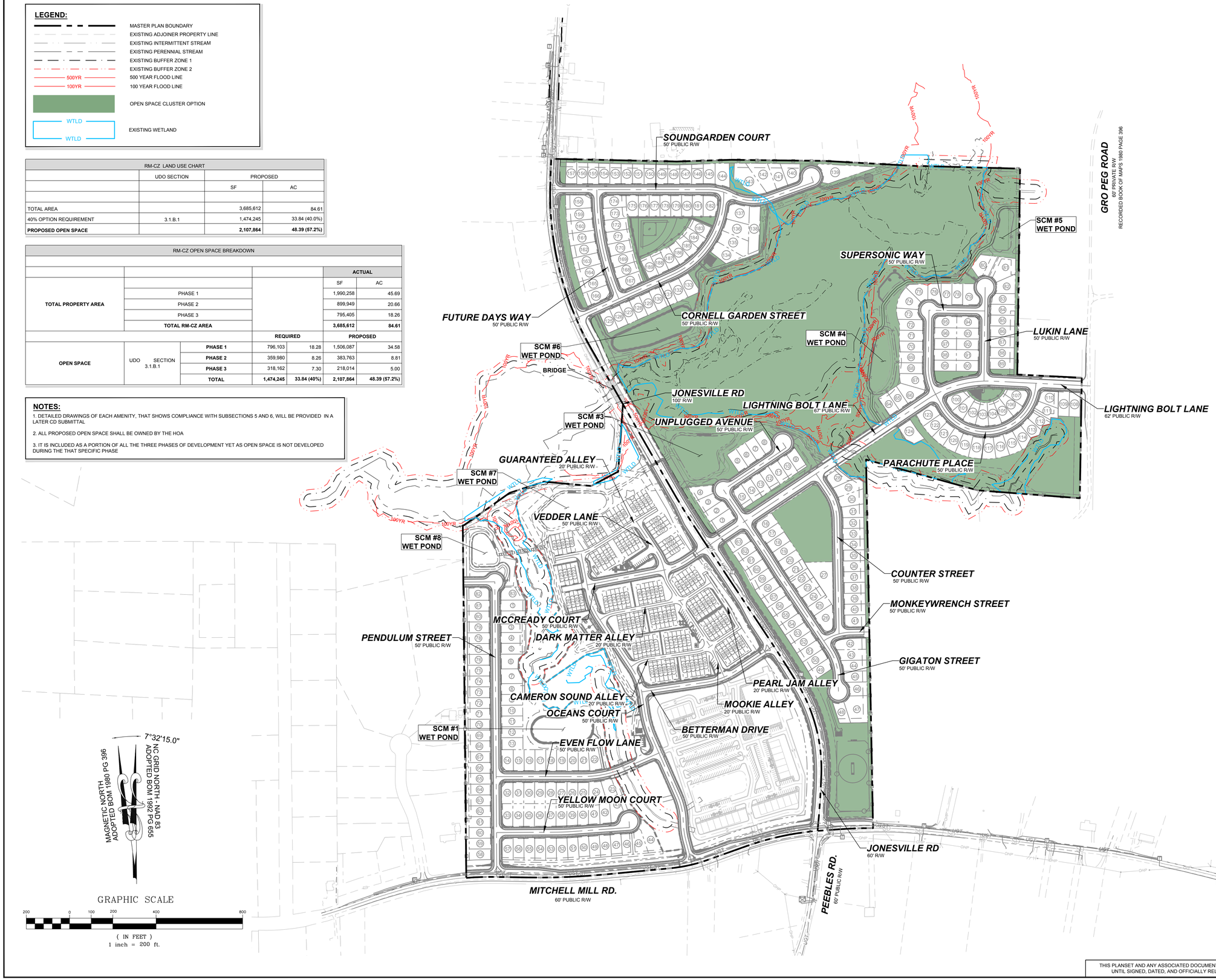
- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- OPEN SPACE CLUSTER OPTION
- WTLD — EXISTING WETLAND

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				1,990,258	45.69
	PHASE 2				899,949	20.66
	PHASE 3				795,405	18.26
	TOTAL RM-CZ AREA				**3,685,612**	**84.61**
			REQUIRED		**PROPOSED**	
OPEN SPACE	UDO SECTION 3.1.B.1	**PHASE 1**	796,103	18.28	1,506,087	34.58
		PHASE 2	359,980	8.26	383,763	8.81
		PHASE 3	318,162	7.30	218,014	5.00
		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



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

OVERALL OPEN SPACE RM-CZ

DRAWING SHEET

C-7.2

RM-CZ PASSIVE AND ACTIVE OPEN SPACE CALCULATIONS							
			REQUIRED			PROPOSED	
			SF	AC	PERCENT	SF	AC
TOTAL PROPERTY AREA		PHASE 1				1,990,258	45.69
		PHASE 2				899,949	20.66
		PHASE 3				795,405	18.26
		TOTAL RM-CZ AREA				**3,685,612**	**84.61**
OPEN SPACE							
PASSIVE		6.2.1.D.1	442,273.44	10.15	**12%**		
ACTIVE		6.2.1.G.12	221,136.72	5.08	**6%**		
PASSIVE OPEN SPACE PER PHASE "POS"							
PHASE 1							
POS 1	GREENWAY					26,869	0.62 (0.7%)
POS 2	NATURAL AREAS					1,163,923	26.72 (31.6%)
PHASE 2							
POS 3	GREENWAY					45,020	1.03 (1.2%)
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					47,045	1.08 (1.3%)
POS 7	PRIMITIVE TRAIL					60,548	1.39 (1.6%)
TOTAL PROPOSED PASSIVE OPEN SPACE		SECTION 6.2.1.D.1	**442,273.00**	**10.15**	**12%**	**1,419,329**	**32.58 (38.5%)**
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					74,931	1.71 (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	**221,173.00**	**5.08**	**6%**	**278,524**	**6.39 (7.6%)**

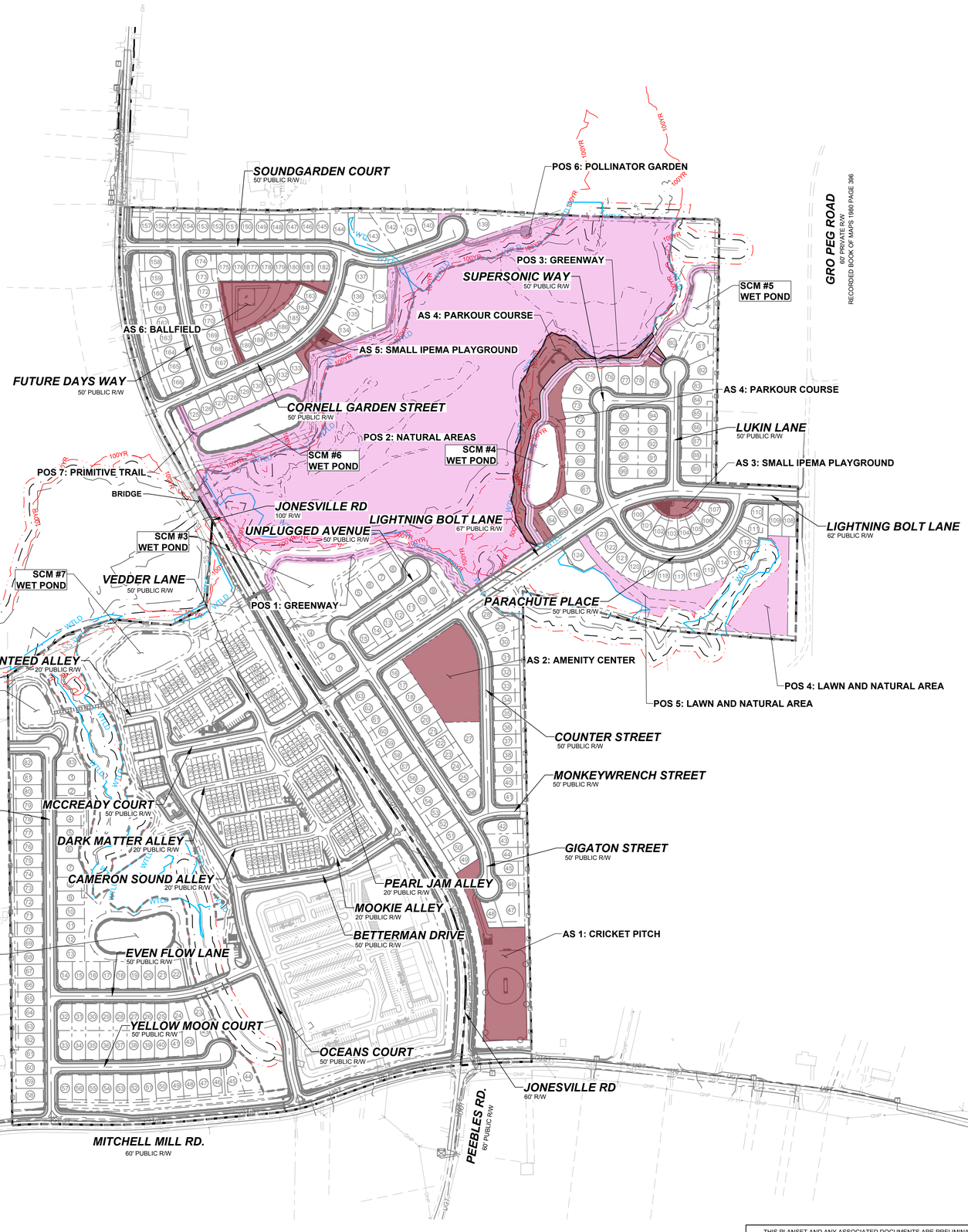
"POS": PASSIVE OPEN SPACE
"AS": ACTIVE (OPEN) SPACE

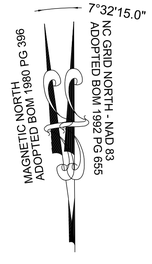
LEGEND:

- 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
- ACTIVE OPEN SPACE
- PASSIVE 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.





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(IN FEET)
1 inch = 200 ft.

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DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

PASSIVE & ACTIVE OPEN SPACE
RM-CZ ZONE

DRAWING SHEET
C-7.3

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 34" - 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.

STANDARD UTILITY NOTES:

- **UTILITY PLAN(S) FOR CITY OF RALEIGH AND MERGER TOWNS**

STANDARD UTILITY NOTES :

1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
2. UTILITY SEPARATION REQUIREMENTS:
   a. A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC 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, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
   d. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
   e. MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORMDRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W- 41 & S-49).
   f. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
4. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY.
5. 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.
6. SEWER BYPASS PUMPING – A BYPASS PLAN SEALED BY AN NC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL. THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE PUBLIC UTILITIES HANDBOOK.
7. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
8. 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.
9. INSTALL 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.
10. INSPECTIONS OF 4" AND LARGER WATER MAINS OF THE PRIVATE DISTRIBUTION SYSTEM WILL BE INSPECTED AS PART OF THE INFRASTRUCTURE PERMIT.
11. PRIVATE SEWER MAINS AS PART OF A COLLECTION SYSTEM ARE PERMITTED AND INSPECTED UNDER THE PRIVATE INFRASTRUCTURE PERMIT FOR SEWER.
12. ANY WATER OR SEWER SERVICES ON PRIVATE PROPERTY THAT WILL BE INSTALLED UNDER CONSTRUCTION DRAWINGS MAY REQUIRE A PLUMBING UTILITY PERMIT IN THE CITY OF RALEIGH. CONSULT WITH THE ENGINEERING INSPECTION COORDINATOR DURING THE PRE-CONSTRUCTION MEETING ON THE NECESSARY PERMITS.
13. INSTALL SEWER SERVICES WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED PER THE CURRENT NC PLUMBING CODE.
14. 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 UPSTREAMMANHOLE.
15. 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.
16. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
17. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC AND/OR BUILDING PERMIT. CONTACT (919) 996-4516 OR fog@raleighnc.gov FOR MORE INFORMATION.
18. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON THE DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA.
19. THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST.
20. THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPENDIX A – GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
21. 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 Cross.connection@raleighnc.gov FOR MORE INFORMATION.
22. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN $250,000.00 MUST UNDERGO THE PUBLIC BIDDING PROCESS.
23. PRIVATE SUB-METERING - NO RESALE OF WATER SHALL OCCUR WITHOUT APPROVAL OF THE NORTH CAROLINA UTILITY COMMISSION. SUB-METERING SHALL BE IN ACCORDANCE WITH SECTION 1400 OF THE "SAFE DRINKING WATER ACT".

PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM

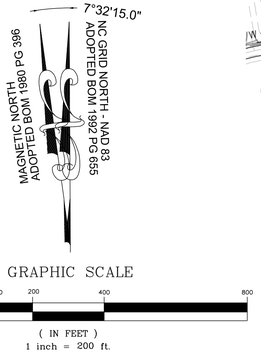
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.
CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

PUBLIC
SEWER COLLECTION / EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.
CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

4





GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

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

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CONSTRUCTION PLANS
OVERALL UTILITY PLAN

DRAWING SHEET
C-8.0

PROGRESS PLOT DATE: 05/29/25

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

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

RET. WALL BY OTHERS (TYP.)

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

CHRISTH 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

55+00
12" BLOW OFF ASSEMBLY
PROPOSED 12" DIP W/L
54+00
12"x8" TEE W / (2) 12" GV (1) 8" GV
10+00
53+00
52+00
PROPOSED 12" DIP W/L
51+00
50+00
49+00
48+00
47+00
46+00
45+00

SOUNDGARDEN COURT
50' PUBLIC R/W

4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
8"x8" TEE W / (3) 8" GV
8" DIP W/L
8" 22.5° BEND
8" 11.25° BEND
8"x8" TEE W / (3) 8" GV
FHA
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 #90
SSMH #91
SSMH #92
SSMH #93
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 #90
P #91
P #92
P #99
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)
30.0' STREET YARD BUFFER
30' SANITARY SEWER EASEMENT
WTLD
W1
100YR

FUTURE DAYS WAY
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

BALLFIELD
SMALL IPEMA PLAYGROUND
POLLINATOR GARDEN
DOG HOUSE SSMH #92
FOOD ZONE AE
FLOODZONE AE
FLOODWAY
10.00' WIDE PRIVATE MULTI-USE PATHWAY
PRIMITIVE TRAIL
STREAM A "HARRIS CREEK"
SWAMP/MARSH HARRIS CREEK
SCM MAINTENANCE EASEMENT
SCM #6 WET POND
10.0' BERM
FHA W/T 3'X6' CORWLE
30.0' EXISTING PERENNIAL STREAM BUFFER HARRIS CREEK
TOWN OF ROLESVILLE INTERCEPT FOR BM 1984 PG 650

MATCH LINE
FOR CONTINUATION, SEE C-8.2

MATCH LINE
FOR CONTINUATION, SEE C-8.4

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

PHASE LINE (TYP.)

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

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

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY
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02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

PARTIAL UTILITY PLAN I

DRAWING SHEET
C-8.1

36 OF 227

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

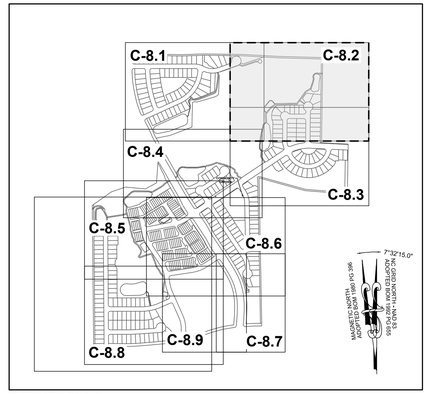
KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

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

PROPERTY LINE
EX. SSMH #01
EX. P #03
SSMH #91
22+67
8" DIP W/L
FHA
22+00
P #92
30.0' SANITARY SEWER EASEMENT
EX. SSMH #02
EX. P #01
EX. P #02
DOG HOUSE SSMH #02
POLLINATOR GARDEN
FOOD ZONE AE
MATCH LINE
FOR CONTINUATION, SEE C-8.1
30.0' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
BUFFER ZONE 2 (TYP.)
20.00'
BUFFER ZONE 1 (TYP.)
30.00'
STREAM A "HARRIS CREEK"
STREAM B
WTLD
100YR
SCM MAINTENANCE EASEMENT
GENERIC WOODEN PRIVACY FENCE 6' TALL
10.0' GREENWAY TRAIL
RET. WALL BY OTHERS (TYP.)
SCM #5 WET POND
10.0' BERM
30.0' GREENWAY EASEMENT
20.0' DRAINAGE & ACCESS EASEMENT
30.0' SANITARY SEWER EASEMENT
P #95
SSMH #95
SSMH #96
P #96
SSMH #16
FHA
15.0' TYPE II PERIMETER BUFFER
8" 45° BEND
8" DIP W/L
20.0' PUBLIC DRAINAGE EASEMENT
8"x8" TEE W / (3) 8" GV
3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)
SUPERSONIC WAY
50' PUBLIC R/W
4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
P #16
P #17
P #18
SSMH #17
SSMH #18
SSMH #19
LUKIN LANE
50' PUBLIC R/W
20.0' PRIVATE DRAINAGE EASEMENT
SWAMP/MARSH HARRIS CREEK
FLOODWAY
SWAMP/MARSH HARRIS CREEK
PHASE LINE (TYP.)
PARKOUR COURSE
FOOD ZONE AE
MATCH LINE
FOR CONTINUATION, SEE C-8.3
SCM #4 WET POND
10.0' GREENWAY TRAIL
SCM MAINTENANCE EASEMENT
GRO PEG RD
60' PRIVATE R/W
RECORDED BOOK OF MAPS
1980 PAGE 396



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 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.

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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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

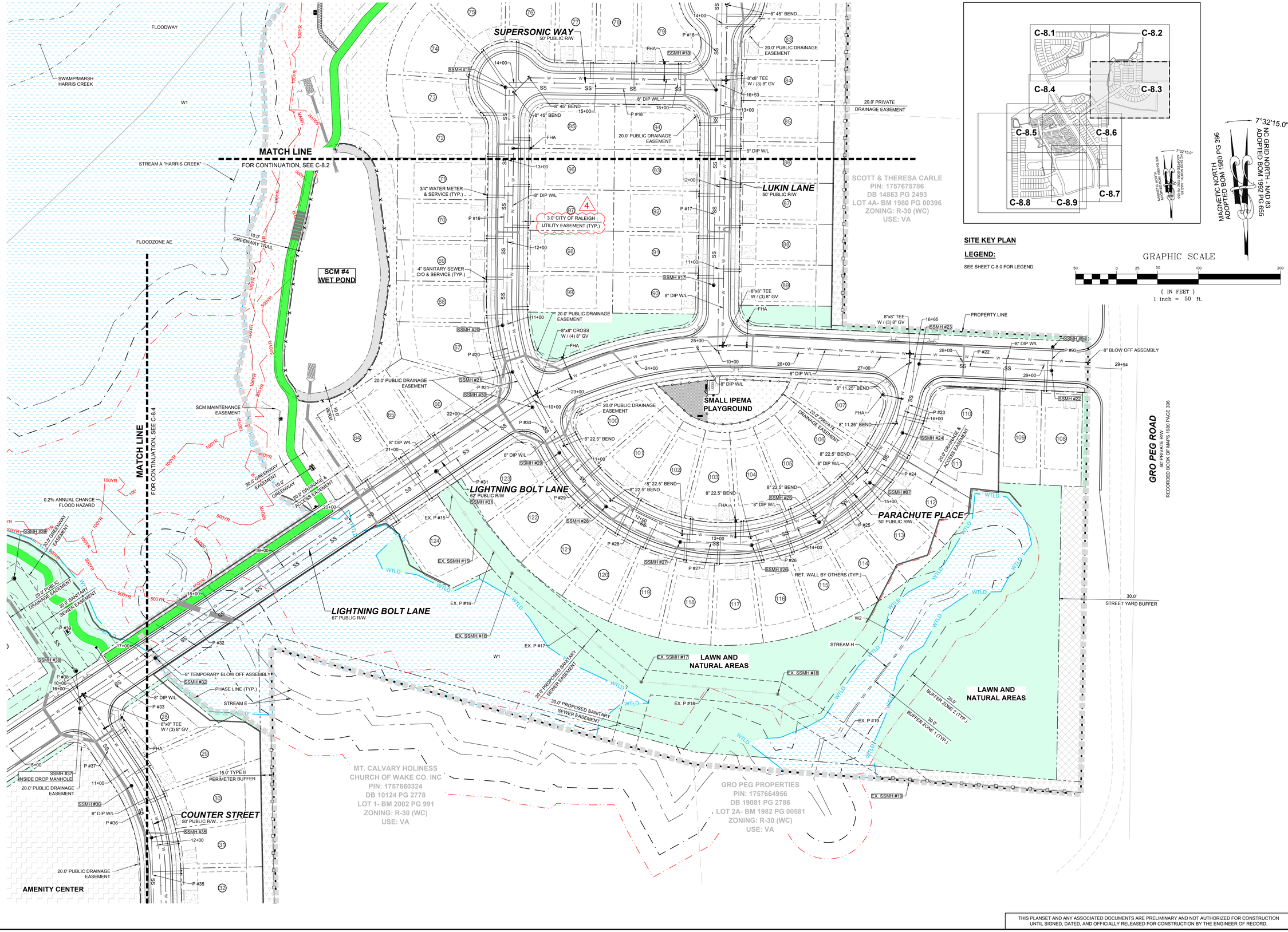
PARTIAL UTILITY PLAN II

DRAWING SHEET
C-8.2

37 OF 227

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PROGRESS PLOT DATE: 05/29/25



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

PARTIAL UTILITY PLAN III

DRAWING SHEET

C-8.3

38 OF 227

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TOWNHOME NOTES:

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

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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

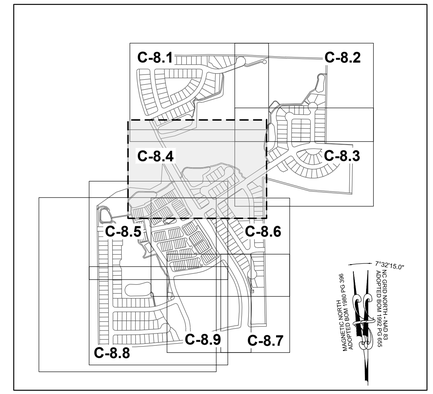
MAGNETIC NORTH ADOPTED BOM 1980 PG 396

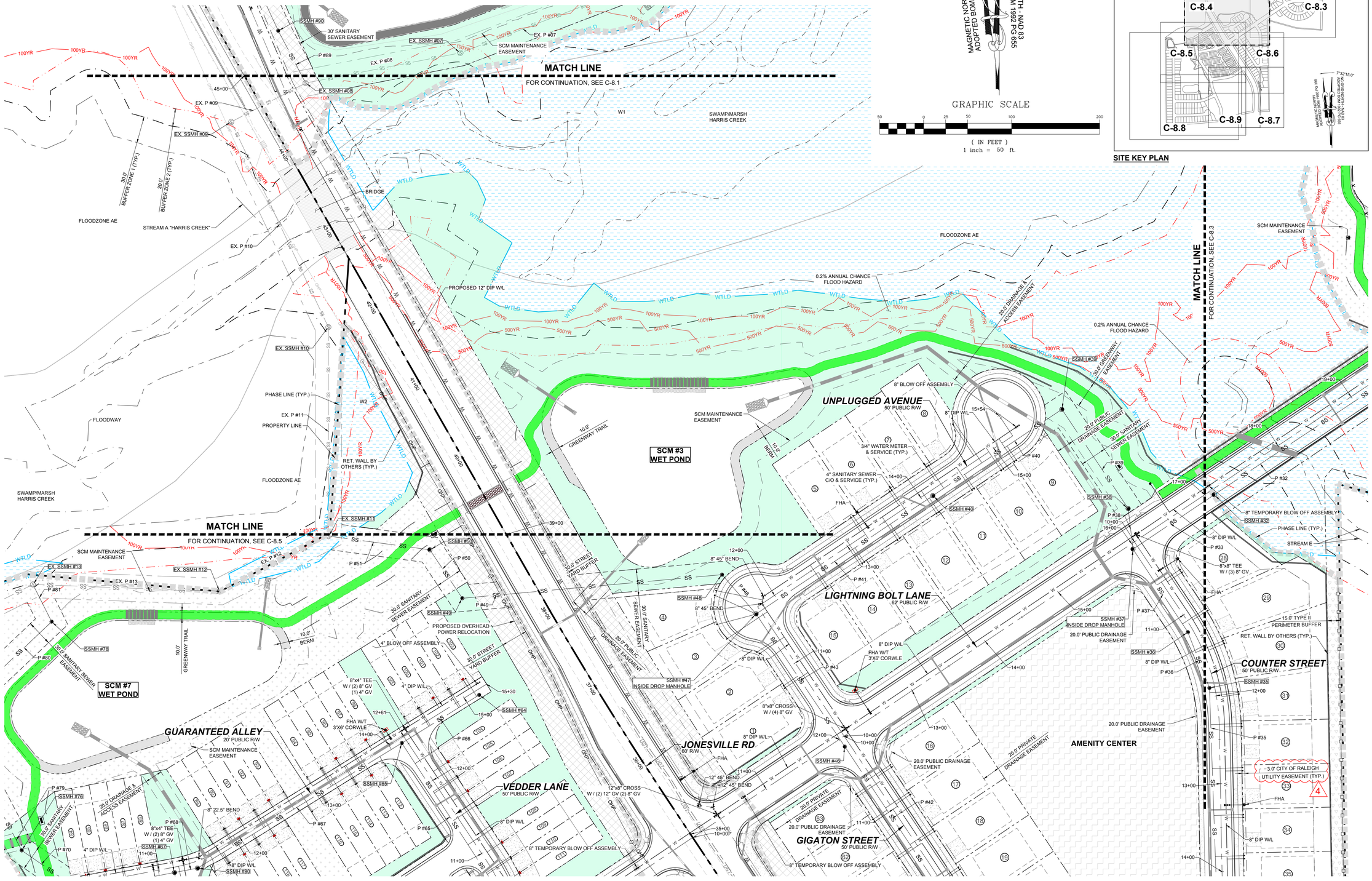
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN





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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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-8.4

39 OF 227

PROGRESS PLOT DATE: 05/29/25

TOWNHOME NOTES:

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

FOR CONTINUATION, SEE C-8.4

MATCH LINE

SCM #7 WET POND

SCM #8 WET POND

GUARANTEED ALLEY 20' PUBLIC R/W

VEDDER LANE 50' PUBLIC R/W

JONESVILLE RD 60' R/W

GIGATON STREET 50' PUBLIC R/W

DARK MATTER ALLEY 20' PUBLIC R/W

MCCREADY COURT 50' PUBLIC R/W

OCEANS COURT 50' PUBLIC R/W

PENDULUM STREET 50' PUBLIC R/W

POCKET PARK I

POCKET PARK II

CAMERON SOUND ALLEY 20' PUBLIC R/W

MOOKIE ALLEY 20' PUBLIC R/W

PEARL JAM ALLEY 20' PUBLIC R/W

BETTERMAN DRIVE 50' PUBLIC R/W

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

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

7°32'15.0" NCGRID NORTH - NAD 83 ADOPTED BOM 1992 PG 555

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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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 P97-23-03

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

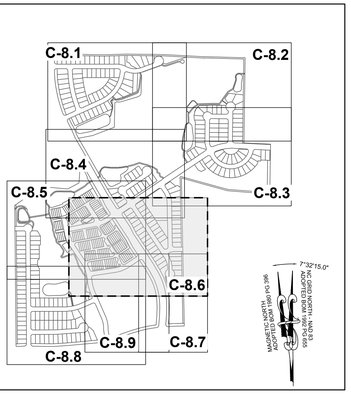
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN V

DRAWING SHEET
C-8.5

40 OF 227

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
MCCREADY COURT
50' PUBLIC R/W
PEARL JAM ALLEY
20' 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
AMENITY CENTER
POCKET PARK II
POCKET PARK I
CRICKET PITCH
MATCH LINE
FOR CONTINUATION, SEE C-8.9
MATCH LINE
FOR CONTINUATION, SEE C-8.5
MATCH LINE
FOR CONTINUATION, SEE C-8.7
30.0' STREET YARD BUFFER
30.0' GREENWAY EASEMENT
10.0' GREENWAY
30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)
10.0' BERM
STREAM G
WTLD
15.0' TYPE II PERIMETER BUFFER
GENERIC WOODEN PRIVACY FENCE 6' TALL
3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)
RET. WALL BY OTHERS (TYP.)
68 LF 8" PVC - SDR 26 @ 2.02%
4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
PROPOSED OVERHEAD POWER RELOCATION
PROPOSED 12" DIP W/L
PHASE LINE (TYP.)



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

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

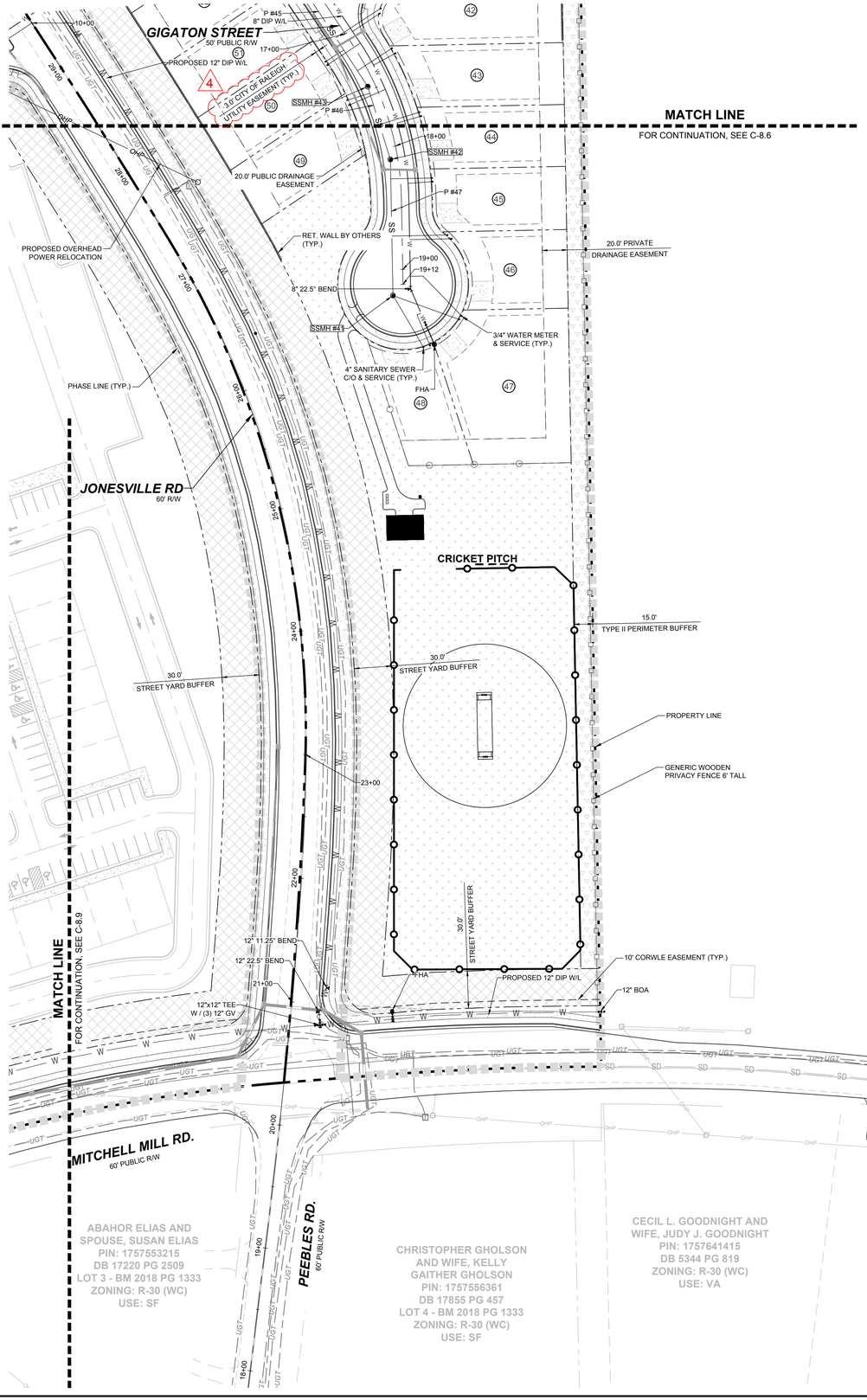
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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

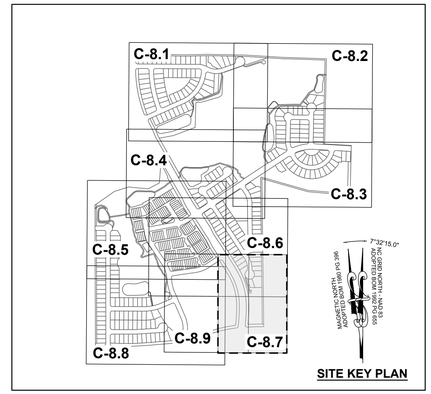
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

DRAWING SHEET
C-8.6

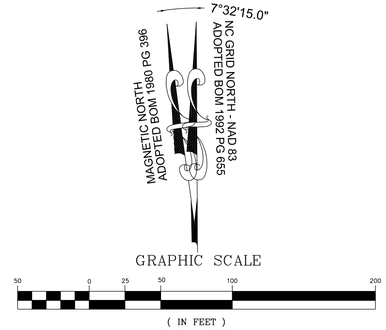
PROGRESS PLOT DATE: 05/29/25


GIGATON STREET
50' PUBLIC R/W
PROPOSED 12" DIP W/L
3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)
SSMH #43
P #46
P #45
8" DIP W/L
MATCH LINE
FOR CONTINUATION, SEE C-8.6
SSMH #42
P #47
20.0' PUBLIC DRAINAGE EASEMENT
RET. WALL BY OTHERS (TYP.)
PROPOSED OVERHEAD POWER RELOCATION
20.0' PRIVATE DRAINAGE EASEMENT
8" 22.5° BEND
SSMH #41
3/4" WATER METER & SERVICE (TYP.)
4" SANITARY SEWER C/O & SERVICE (TYP.)
FHA
PHASE LINE (TYP.)
JONESVILLE RD
60' R/W
CRICKET PITCH
15.0' TYPE II PERIMETER BUFFER
30.0' STREET YARD BUFFER
PROPERTY LINE
GENERIC WOODEN PRIVACY FENCE 6' TALL
10' CORWLE EASEMENT (TYP.)
PROPOSED 12" DIP W/L
12" BOA
12"x12" TEE W / (3) 12" GV
12" 11.25° BEND
12" 22.5° BEND
MATCH LINE
FOR CONTINUATION, SEE C-8.9
MITCHELL MILL RD.
60' PUBLIC R/W
PEEBLES RD.
60' PUBLIC R/W
ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF
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
CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819
ZONING: R-30 (WC)
USE: VA
CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819
ZONING: R-30 (WC)
USE: SF
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



LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



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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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

PARTIAL UTILITY PLAN VII

DRAWING SHEET

C-8.7

42 OF 227

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PROGRESS PLOT DATE: 05/29/25

MATCH LINE
FOR CONTINUATION, SEE C-8.5

MATCH LINE
FOR CONTINUATION, SEE C-8.7

NEIGHBOURHOOD PARK

SCM #1
WET POND

SCM MAINTENANCE EASEMENT

10.0' BERM

10.0' GREENWAY

30.0' GREENWAY EASEMENT

RET. WALL BY OTHERS (TYP.)

W6

WTLD

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

SCM / PLAZA

MITCHELL MILL RD.
60' PUBLIC R/W

PHASE LINE (TYP.)

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

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

20.0' DRAINAGE & ACCESS EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

30.0' STREET YARD BUFFER

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

STREAM G

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

8" TEMPORARY BLOW OFF ASSEMBLY

8" 11.25° BEND

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

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

8" BLOW OFF ASSEMBLY

FHA W/T 3'X6' CORWLE

8" DIP W/L

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

12" 11.25° BEND

PROPOSED 12" DIP W/L

10' CORWLE EASEMENT (TYP.)

SSMH #68 INSIDE DROP MANHOLE

SSMH #69

SSMH #70

SSMH #71

SSMH #72

SSMH #73

SSMH #84

SSMH #79

P #71

P #72

P #73

P #74

P #75

P #76

P #77

P #83

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

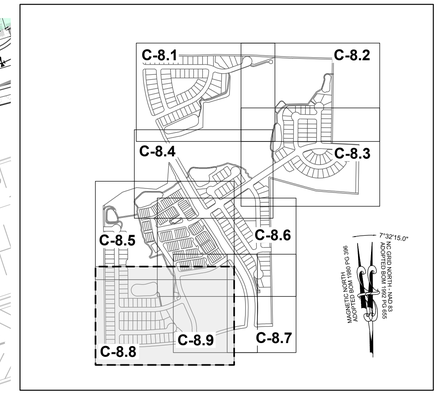
TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE
PIN: 1757357764
DB 9236 PG 2229
LOT 3
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

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.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

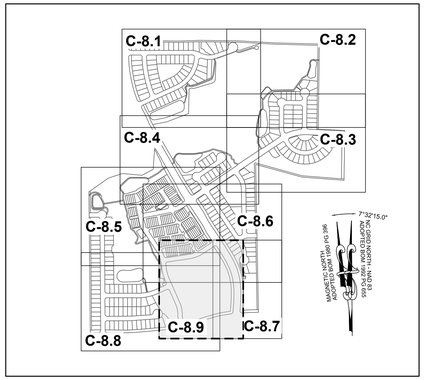
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN VIII

DRAWING SHEET

C-8.8

43 OF 227



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

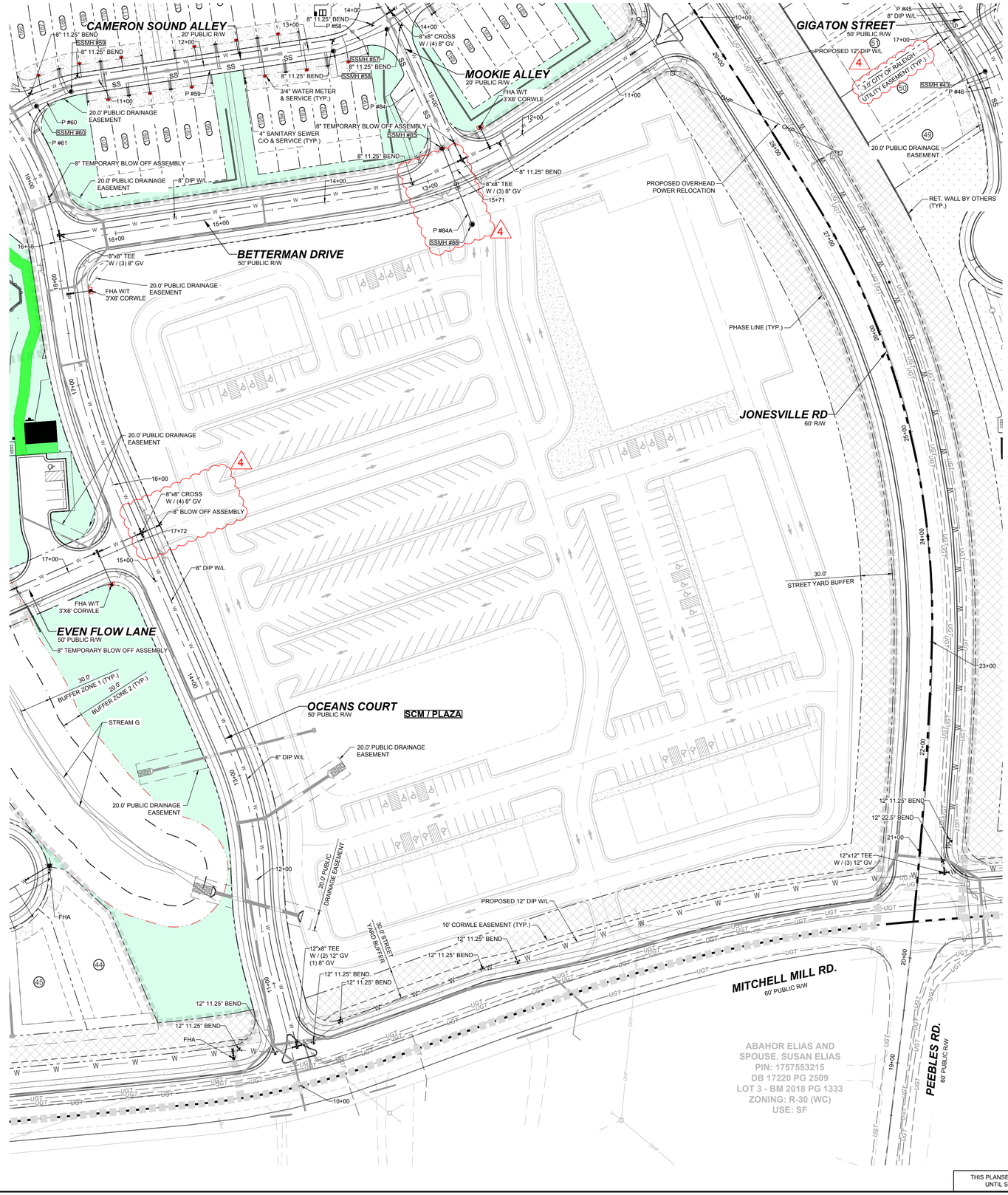
TOWNHOME NOTES:

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
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STRONG ROCK PROJECT	PSP-23-93
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SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
PARTIAL UTILITY PLAN IX

DRAWING SHEET
C-8.9

44 OF 227

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	PVC - SDR 26	8"	296	249.97	248.49	0.50%
P #02	PVC - SDR 26	8"	205	248.29	247.26	0.50%
P #03	PVC - SDR 26	8"	235	247.06	245.33	0.74%
P #04	PVC - SDR 26	8"	78	245.13	242.01	3.99%
P #05	PVC - SDR 26	8"	86	241.81	241.38	0.50%
P #06	PVC - SDR 26	8"	83	241.18	240.76	0.50%
P #07	PVC - SDR 26	8"	119	240.56	239.97	0.50%
P #08	PVC - SDR 26	8"	92	239.77	239.31	0.50%
P #09	PVC - SDR 26	8"	291	237.87	236.42	0.50%
P #10	PVC - SDR 26	8"	140	250.07	243.42	4.74%
P #11	PVC - SDR 26	8"	134	243.22	238.69	3.39%
P #12	PVC - SDR 26	8"	137	238.49	237.81	0.50%
P #13	PVC - SDR 26	8"	50	237.61	236.60	2.03%
P #14	PVC - SDR 26	8"	147	236.22	232.44	2.58%
P #15	PVC - SDR 26	8"	189	232.24	231.29	0.50%
P #16	PVC - SDR 26	8"	149	252.30	251.55	0.50%
P #17	PVC - SDR 26	8"	238	257.50	251.55	2.49%
P #18	PVC - SDR 26	8"	257	251.35	250.07	0.50%
P #19	PVC - SDR 26	8"	290	249.87	245.97	1.34%
P #20	PVC - SDR 26	8"	58	245.77	243.82	3.37%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #21	PVC - SDR 26	8"	50	243.62	241.49	4.27%
P #22	PVC - SDR 26	8"	162	279.88	273.53	3.93%
P #23	PVC - SDR 26	8"	86	273.33	270.73	3.02%
P #24	PVC - SDR 26	8"	73	270.53	265.53	6.85%
P #25	PVC - SDR 26	8"	78	265.33	260.33	6.38%
P #26	PVC - SDR 26	8"	87	260.13	256.87	3.75%
P #27	PVC - SDR 26	8"	87	256.67	249.70	8.00%
P #28	PVC - SDR 26	8"	100	249.50	247.20	2.29%
P #29	PVC - SDR 26	8"	87	247.00	243.53	3.98%
P #30	PVC - SDR 26	8"	64	243.33	241.49	2.87%
P #31	PVC - SDR 26	8"	141	241.29	237.20	2.90%
P #32	PVC - SDR 26	8"	411	237.00	234.94	0.50%
P #33	PVC - SDR 26	8"	111	234.74	234.19	0.50%
P #34	PVC - SDR 26	8"	302	278.91	264.13	4.89%
P #35	PVC - SDR 26	8"	272	263.93	246.77	6.32%
P #36	PVC - SDR 26	8"	68	246.57	245.20	2.02%
P #37	PVC - SDR 26	8"	113	245.00	243.11	1.68%
P #38	PVC - SDR 26	8"	46	233.99	233.76	0.50%
P #39	PVC - SDR 26	8"	136	233.56	232.88	0.50%
P #40	PVC - SDR 26	8"	176	232.68	231.80	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #41	DIP	8"	242	231.60	230.39	0.50%
P #42	PVC - SDR 26	8"	195	265.53	256.73	4.51%
P #43	PVC - SDR 26	8"	181	256.53	251.33	2.87%
P #44	PVC - SDR 26	8"	268	278.89	267.25	4.35%
P #45	PVC - SDR 26	8"	272	291.38	279.09	4.52%
P #46	PVC - SDR 26	8"	62	293.84	291.58	3.66%
P #47	PVC - SDR 26	8"	110	300.67	294.04	6.04%
P #48	DIP	8"	59	230.19	229.89	0.50%
P #49	DIP	8"	296	229.69	228.21	0.50%
P #50	DIP	8"	66	228.01	227.68	0.50%
P #51	DIP	8"	116	227.48	226.90	0.50%
P #52	PVC - SDR 26	8"	106	276.30	267.79	8.00%
P #53	PVC - SDR 26	8"	44	267.59	266.02	3.61%
P #54	PVC - SDR 26	8"	317	265.82	248.77	5.38%
P #55	PVC - SDR 26	8"	35	248.57	246.61	5.59%
P #56	PVC - SDR 26	8"	30	246.41	246.26	0.50%
P #57	PVC - SDR 26	8"	150	283.63	277.83	3.87%
P #58	PVC - SDR 26	8"	55	277.63	277.36	0.50%
P #59	PVC - SDR 26	8"	251	277.16	261.79	6.12%
P #60	PVC - SDR 26	8"	35	261.59	259.36	6.28%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #61	PVC - SDR 26	8"	40	259.16	258.96	0.50%
P #62	PVC - SDR 26	8"	261	258.76	248.56	3.90%
P #63	PVC - SDR 26	8"	84	246.06	245.64	0.50%
P #64	PVC - SDR 26	8"	92	245.44	241.63	4.12%
P #65	PVC - SDR 26	8"	223	259.28	247.76	5.16%
P #66	PVC - SDR 26	8"	104	249.62	245.46	4.02%
P #67	PVC - SDR 26	8"	272	245.26	240.01	1.93%
P #68	PVC - SDR 26	8"	27	239.81	239.67	0.50%
P #69	PVC - SDR 26	8"	110	239.47	238.93	0.50%
P #70	PVC - SDR 26	8"	80	238.73	235.52	3.99%
P #71	PVC - SDR 26	8"	325	266.82	265.19	0.50%
P #72	DIP	8"	297	268.50	267.02	0.50%
P #73	PVC - SDR 26	8"	396	267.04	264.94	0.53%
P #74	PVC - SDR 26	8"	114	280.33	270.04	9.00%
P #75	PVC - SDR 26	8"	259	264.99	263.70	0.50%
P #76	PVC - SDR 26	8"	288	263.50	262.06	0.50%
P #77	PVC - SDR 26	8"	223	261.86	256.83	2.26%
P #78	PVC - SDR 26	8"	390	254.33	249.00	1.37%
P #79	PVC - SDR 35	8"	172	235.32	231.63	2.14%
P #80	PVC - SDR 35	8"	157	231.43	230.65	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #81	PVC - SDR 35	8"	47	230.45	230.21	0.50%
P #82	PVC - SDR 26	8"	124	248.80	248.18	0.50%
P #83	PVC - SDR 26	8"	100	267.75	267.24	0.50%
P #84	PVC - SDR 26	8"	124	281.82	280.13	1.37%
P #84A	PVC - SDR 26	8"	78	282.41	282.02	0.50%
P #85	PVC - SDR 26	8"	226	247.98	230.01	7.95%
P #86	PVC - SDR 35	8"	44	229.81	225.98	8.74%
P #87	PVC - SDR 26	8"	148	241.43	240.69	0.50%
P #88	PVC - SDR 26	8"	107	242.16	241.63	0.50%
P #89	PVC - SDR 26	8"	67	231.09	230.76	0.50%
P #90	PVC - SDR 26	8"	79	242.99	242.59	0.50%
P #91	PVC - SDR 26	8"	240	242.39	237.48	2.04%
P #92	PVC - SDR 26	8"	39	237.28	233.77	9.00%
P #93	PVC - SDR 26	8"	29	280.93	280.08	2.95%
P #95	PVC - SDR 35	8"	105	253.87	253.35	0.50%
P #96	PVC - SDR 35	8"	130	253.15	252.50	0.50%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #01	4'	259.87		249.97 E	9.90
SSMH #02	5'	262.93	248.49 W	248.29 E	14.64
SSMH #03	5'	263.93	247.26 W	247.06 E	16.86
SSMH #04	4'	254.43	245.33 W	245.13 S	9.30
SSMH #05	4'	250.77	242.01 N	241.81 S	8.97
SSMH #06	4'	248.87	241.38 N	241.18 SW	7.69
SSMH #07	4'	248.43	240.76 NE	240.56 SW	7.87
SSMH #08	4'	247.89	239.97 NE	239.77 SW	8.12
SSMH #09	4'	247.37	239.31 NE	237.87 SW	9.50
SSMH #10	4'	259.15		250.07 S	9.11
SSMH #11	4'	252.27	243.42 N	243.22 S	9.07
SSMH #12	4'	247.16	238.69 N	238.49 S	8.67
SSMH #13	4'	246.15	237.81 N	237.61 SE	8.54
SSMH #14	4'	246.05	236.42 NE 236.60 NW	236.22 SW	9.83
SSMH #15	4'	242.06	232.44 NE	232.24 SE	9.83
SSMH #16	4'	260.64	252.50 NE	252.30 S	8.37
SSMH #17	4'	264.63		257.50 N	7.15
SSMH #18	4'	262.22	251.55 N 251.55 S	251.35 W	10.89
SSMH #19	4'	260.40	250.07 E	249.87 S	10.53
SSMH #20	4'	253.92	245.97 N	245.77 S	8.14

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #21	4'	253.00	243.82 N	243.62 SE	9.38
SSMH #22	4'	286.97	280.08 N	279.88 W	7.09
SSMH #23	4'	281.12	273.53 E	273.33 S	7.78
SSMH #24	4'	276.42	270.73 N	270.53 SW	5.89
SSMH #25	4'	268.23	260.33 NE	260.13 W	8.10
SSMH #26	4'	263.50	256.87 E	256.67 W	6.83
SSMH #27	4'	258.75	249.70 E	249.50 NW	9.25
SSMH #28	4'	254.85	247.20 SE	247.00 NW	7.85
SSMH #29	4'	253.48	243.53 SE	243.33 NW	10.15
SSMH #30	4'	252.82	241.49 SE 241.49 NW	241.29 SW	11.55
SSMH #31	5'	249.56	237.20 NE 237.20 SE	237.00 SW	13.06
SSMH #32	5'	250.01	234.94 NE	234.74 SW	15.29
SSMH #33	5'	292.53		278.91 N	13.65
SSMH #34	4'	272.81	264.13 S	263.93 N	8.88
SSMH #35	4'	255.52	246.77 S	246.57 N	8.97
SSMH #36	4'	253.06	245.20 S	245.00 NW	8.06
SSMH #37 INSIDE DROP MANHOLE	6'	251.46	234.19 NE 243.11 SE	233.99 N	17.47
SSMH #38	5'	251.44	233.76 S	233.56 NW	17.90
SSMH #39	5'	248.80	232.88 SE	232.68 SW	16.12
SSMH #41	4'	307.13		300.67 N	6.45

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #42	4'	302.03	294.04 S	293.84 N	8.20
SSMH #43	4'	299.18	291.58 S	291.38 NW	7.82
SSMH #44	4'	286.87	279.09 SE	278.89 NW	7.99
SSMH #45	4'	273.75	267.25 SE	265.53 NW	8.24
SSMH #46	4'	266.80	256.73 SE	256.53 NW	10.29
SSMH #47 INSIDE DROP MANHOLE	6'	258.46	251.33 SE 230.39 NE	230.19 NW	28.27
SSMH #50	6'	249.24	227.68 SE	227.48 W	21.76
SSMH #51	4'	284.10		276.30 SW	7.80
SSMH #52	4'	277.48	267.79 NE	267.59 W	9.89
SSMH #53	4'	275.80	266.02 E	265.82 W	9.99
SSMH #54	4'	259.60	248.77 E	248.57 SW	11.03
SSMH #55	5'	258.93	246.61 NE	246.41 SW	12.52
SSMH #56	4'	290.90		283.63 SW	7.27
SSMH #57	4'	289.04	277.83 NE 280.13 SE	277.63 W	11.44
SSMH #58	4'	286.95	277.36 E	277.16 W	9.80
SSMH #59	4'	270.20	261.79 E	261.59 SW	8.61
SSMH #60	4'	268.56	259.36 NE	259.16 SW	9.39
SSMH #61	4'	267.51	258.96 NE	258.76 NW	8.74
SSMH #62	5'	258.51	246.26 NE 248.56 SE	246.06 NW	12.45
SSMH #63	4'	269.95		259.28 NW	10.67

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #64	4'	258.00		249.62 SW	8.38
SSMH #65	4'	257.19	247.76 SE 245.46 NE	245.26 SW	11.93
SSMH #66	5'	253.09	238.93 E	238.73 NW	14.36
SSMH #68 INSIDE DROP MANHOLE	6'	283.69	265.19 E 270.04 S	264.99 N	18.73
SSMH #69	5'	277.86	267.02 E	266.82 W	11.04
SSMH #70	4'	275.31	267.24 E	267.04 W	8.26
SSMH #71	4'	289.78		280.33 N	9.47
SSMH #72	5'	275.55	263.70 S 264.94 E	263.50 N	12.08
SSMH #73	4'	272.67	262.06 S	261.86 N	10.81
SSMH #74	5'	269.01	256.83 S	254.33 N	14.67
SSMH #75	4'	260.03	249.00 S	248.80 W	11.25
SSMH #76	4'	241.30	235.52 SE	235.32 NW	5.99
SSMH #77	4'	236.45	231.63 SE	231.43 NE	5.01
SSMH #78	4'	240.05	230.65 SW	230.45 NW	9.60
SSMH #79	4'	273.14		268.50 W	4.64
SSMH #80	5'	252.38	240.01 NE	239.81 W	12.58
SSMH #81	4'	255.20	245.64 SE	245.44 N	9.78
SSMH #82	5'	264.91	248.18 E	247.98 N	16.93
SSMH #83	4'	240.25	230.01 S	229.81 N	10.44
SSMH #84	4'	273.44		267.75 W	5.69

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #85	5'	297.28	282.02 S	281.82 NW	15.46
SSMH #86	5'	300.05		282.41 N	17.66
SSMH #87	4'	272.47	265.53 NE	265.33 SW	7.14

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

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

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

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
SEWER TABLES

DRAWING
SHEET
C-8.10

45 OF 227

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PROGRESS PLOT DATE: 05/29/25

TOWNHOME NOTES:

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

LEGEND:

- W — WATER LINE
- FIRE HYDRANT ASSEMBLY
- GATE VALVE
- TEE
- BLOW OFF VALVE
- SF/LD — SILT FENCE/LIMITS OF DISTURBANCE

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 W/L, BY OTHERS

PROPOSED 12" DIP WATER MAIN

CONNECT TO EXISTING WATER MAIN

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

JONESVILLE RD 100' R/W

GRO PEG ROAD 60' 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" NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

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	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

OFF-SITE UTILITY PLAN

DRAWING SHEET

C-8.11

PROGRESS PLOT DATE: 05/29/25



NOTES:

SEE SHEET C-3.0 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
- PROP. MINOR CONTOURS

7°32'15.0"

MAGNETIC NORTH ADOPTED BOM 1990 PG 396

NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

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03	TOWN OF ROLESVILLE C/D-24-04 V3	02/07/2024	SREG
04	TOWN OF ROLESVILLE C/D-24-04 V4	06/02/2025	SREG

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	SRG	DRAWN BY	SRG
CHECKED BY	SRG		

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

OVERALL GRADING AND DRAINAGE PLAN

DRAWING SHEET

C-9.0

PROGRESS PLOT DATE: 05/29/25

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
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
60' R/W

FUTURE DAYS WAY
50' PUBLIC R/W

JONESVILLE RD
60' R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

15.0' TYPE II PERIMETER BUFFER

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

30.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

20.0' DRAINAGE & ACCESS EASEMENT

BALLFIELD

GENERIC WOODEN PRIVACY FENCE 6' TALL

PHASE LINE (TYP.)

PROPERTY LINE (TYP.)

1 - It appears water will sheet across this intersection and head south; confirm no CB is needed on the south side of the intersection

2 - Please confirm if these structures are needed, due to being near the high point.

3 - Please confirm if the drainage easement continues north here? The linework gets lost.

4 - Please confirm if this structure necessary. It doesn't appear that it will not collect much.

5 - Please confirm both these structures are needed in such a short distance.

SCM #6
WET POND
TOP: 244.00
WSE: 237.00
BOT: 233.00

14'x4' OCS #408

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 46 LF)
EMERGENCY SPILLWAY 242.50

POLLINATOR GARDEN

STREAM A "HARRIS CREEK"

10.0' WIDE PRIVATE MULTI-USE PATHWAY

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

PRIMITIVE TRAIL

FLOODZONE AE

SMALL IPEMA PLAYGROUND

SWAMP/MARSH HARRIS CREEK

FLOODWAY

SCM MAINTENANCE EASEMENT

BUFFER ZONE 2 (TYP.)

BUFFER ZONE 1 (TYP.)

MATCH LINE
FOR CONTINUATION, SEE C-9.2

MATCH LINE
FOR CONTINUATION, SEE C-9.4

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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

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

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

SITE KEY PLAN

LEGEND

SEE SHEET C-9.0 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
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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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 P&P-22-03			
NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	SRG
			DRAWN BY	SRG
			CHECKED BY	SRG

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

DRAWING SHEET
C-9.1

48 OF 227

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

SOUNDGARDEN COURT
50' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-9.1

MATCH LINE
FOR CONTINUATION, SEE C-9.3

STREAM A "HARRIS CREEK"

STREAM B

SWAMP/MARSH
HARRIS CREEK

FLOODWAY

FLOOD ZONE AE

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

TOWN OF ROLESVILLE CID-24-04 V2 ORDER IN RESPECT OF HARRIS BM 1982 PG 695

30.0' EXISTING GREENWAY EASEMENT

SCM #5
WET POND
TOP: 255.00
WSE: 250.00
BOT: 246.00

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

SCM MAINTENANCE EASEMENT

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 36 LF)
EMERGENCY SPILLWAY: 253.50

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 36 LF)
EMERGENCY SPILLWAY: 244.50

10.0' GREENWAY TRAIL

PARKOUR COURSE

POLLINATOR GARDEN

20.0' SANITARY SEWER EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

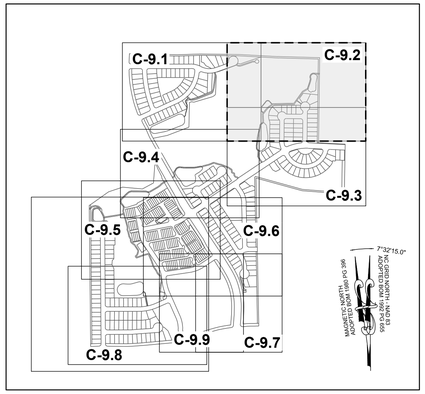
30.0' GREENWAY EASEMENT

13.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

10.0' BERM

7 - Please confirm if the drainage easement exists in this area. The linework gets lost and is hard to follow.

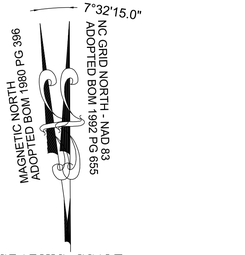
6 - Please confirm this structure is needed due to being adjacent to the high point.



SITE KEY PLAN

LEGEND

SEE SHEET C-9.0 FOR LEGEND



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

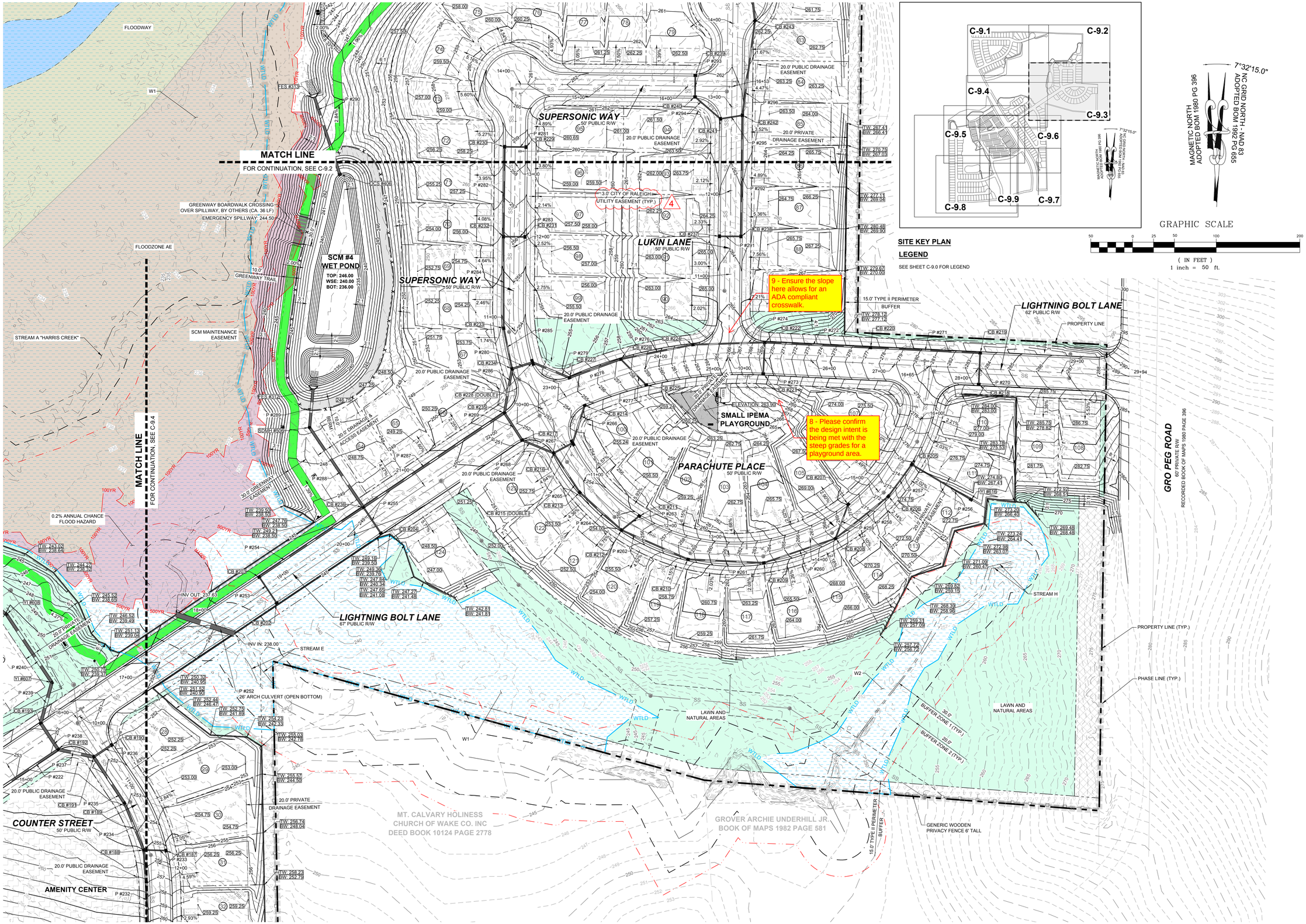
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING AND DRAINAGE PLAN II

DRAWING SHEET
C-9.2

PROGRESS PLOT DATE: 05/29/25



No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

CONSTRUCTION PLANS
PARTIAL GRADING AND DRAINAGE PLAN III

DRAWING SHEET
C-9.3

50 OF 227

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: 05/29/25

TOWNHOME NOTES:

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

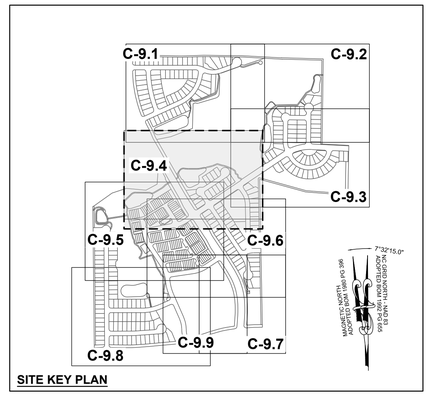
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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-9.0 FOR LEGEND

No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
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03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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 P3P-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN
		DESIGNED BY	SRG
		DRAWN BY	SRG
		CHECKED BY	SRG

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

CONSTRUCTION PLANS

PARTIAL GRADING AND DRAINAGE PLAN IV

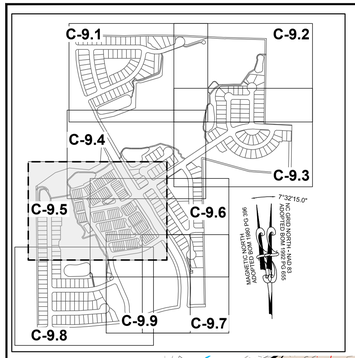
DRAWING SHEET

C-9.4

51 OF 227

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PROGRESS PLOT DATE: 05/29/25



SITE KEY PLAN

LEGEND

SEE SHEET C-9.0 FOR LEGEND

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

MATCH LINE
FOR CONTINUATION, SEE C-9.4

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

MATCH LINE
FOR CONTINUATION, SEE C-9.6

MATCH LINE
FOR CONTINUATION, SEE C-9.8

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

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

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

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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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

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

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

DRAWING SHEET
C-9.5

52 OF 227

GUARANTEED ALLEY
50' PUBLIC R/W

LIGHTNING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

DARK MATTER ALLEY
20' PUBLIC R/W

POCKET PARK I

OCEANS COURT
50' PUBLIC R/W

MOOKIE ALLEY
20' PUBLIC R/W

CAMERON SOUND ALLEY
20' PUBLIC R/W

PEARL JAM ALLEY
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

JONESVILLE RD
60' R/W

AMENITY CENTER

COUNTER STREET
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

5.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

PROPOSED OVERHEAD POWER RELOCATION

30.0' GREENWAY EASEMENT

10.0' GREENWAY EASEMENT

30.0' STREET YARD BUFFER

BUFFER ZONE 2 (TYP.)

30.00' BUFFER ZONE 1 (TYP.)

STREAM G

BUILDING E

COMMERCIAL SITE
(SEPARATE CID SUBMITTAL)

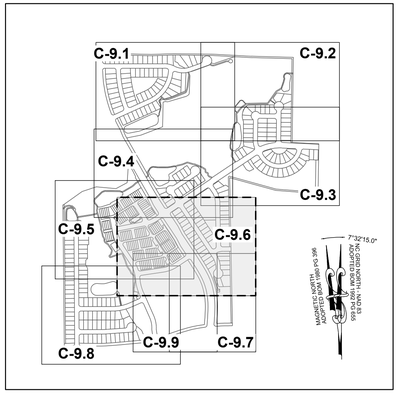
MATCH LINE
FOR CONTINUATION, SEE C-9.5

MATCH LINE
FOR CONTINUATION, SEE C-9.7

MATCH LINE
FOR CONTINUATION, SEE C-9.8

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 LEGEND

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.

No.	REVISIONS	DATE	BY
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04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

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

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

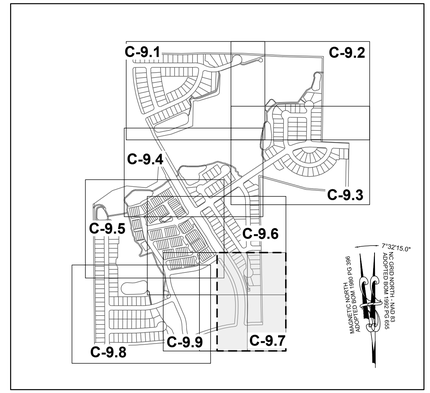
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING AND DRAINAGE PLAN VI

DRAWING SHEET
C-9.6

53 OF 227

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.

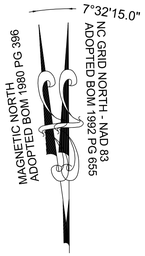




SITE KEY PLAN

LEGEND

SEE SHEET C-9.0 FOR LEGEND



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING AND DRAINAGE PLAN VII

DRAWING SHEET

C-9.7

54 OF 227

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: 05/29/25

10 - Please confirm this drainage easement is still required.

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

15.0' TYPE II PERIMETER BUFFER

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

GENERIC WOODEN PRIVATE FENCE 6' TALL

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

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
ZONING: R-30 (WC)
USE: FO

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

EXISTING DRAINED POND

20.0' PRIVATE DRAINAGE EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-9.5

GREENWAY BOARDWALK CROSSING OVER SPILLWAY, BY OTHERS (CA. 36 LF)
EMERGENCY SPILLWAY: 266.50

SCM MAINTENANCE EASEMENT

SCM #1
WET POND
TOP: 268.00
WSE: 262.00
BOT: 258.00

PENDULUM STREET
50' PUBLIC R/W

NEIGHBOURHOOD PARK

EVEN FLOW LANE
50' PUBLIC R/W

20.0' DRAINAGE & ACCESS EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

3.0' CITY OF RALEIGH UTILITY EASEMENT (TYP.)

YELLOW MOON COURT
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

GREENWAY

30.0' GREENWAY EASEMENT

BUILDING E

COMMERCIAL SITE
(SEPARATE CID SUBMITTAL)

BUFFER ZONE 1

BUFFER ZONE 2

STREAM G

OCEANS COURT
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

BUILDING D

MATCH LINE
FOR CONTINUATION, SEE C-9.7

SITE KEY PLAN

LEGEND
SEE SHEET C-9.0 FOR LEGEND

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

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

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

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No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING AND DRAINAGE PLAN VIII

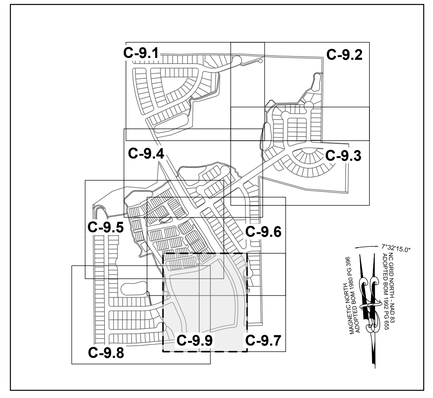
DRAWING SHEET
C-9.8

55 OF 227



TOWNHOME NOTES:

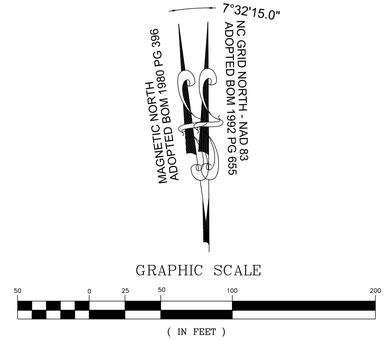
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND

SEE SHEET C-9.0 FOR LEGEND



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No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL

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

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

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

DRAWING SHEET
C-9.9

56 OF 227

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
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	CLASS IV RCP	18"	101	285.40	284.33	1.06%
P #05	CLASS IV RCP	18"	128	284.13	283.49	0.50%
P #06	RCP	15"	37	280.95	278.16	7.63%
P #07	RCP	15"	26	277.96	276.11	7.00%
P #08	RCP	15"	26	276.33	276.20	0.50%
P #09	RCP	15"	38	276.00	275.81	0.50%
P #10	RCP	18"	185	275.61	274.57	0.56%
P #11	RCP	15"	26	274.85	274.57	1.06%
P #12	RCP	18"	200	274.34	271.08	1.63%
P #13	RCP	15"	26	271.48	271.08	1.54%
P #14	RCP	18"	131	270.88	268.11	2.11%
P #15	RCP	24"	71	267.91	266.10	2.55%
P #16	RCP	15"	155	273.46	271.48	1.27%
P #17	RCP	18"	200	271.28	268.64	1.32%
P #18	RCP	24"	113	268.44	267.29	1.01%
P #19	RCP	30"	82	267.09	266.10	1.21%
P #20	RCP	36"	85	265.90	265.48	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #21	RCP	36"	102	265.28	264.62	0.65%
P #22	RCP	36"	26	264.42	264.29	0.50%
P #23	RCP	36"	29	264.09	263.94	0.50%
P #24	RCP	15"	26	270.89	270.76	0.50%
P #25	RCP	18"	123	270.56	264.74	4.72%
P #26	RCP	36"	161	263.74	262.67	0.67%
P #27	RCP	36"	61	262.47	262.00	0.77%
P #28	RCP	24"	49	262.00	261.54	0.94%
P #29	RCP	36"	42	261.61	261.40	0.50%
P #30	RCP	15"	26	271.15	271.02	0.50%
P #31	RCP	18"	47	270.81	270.57	0.50%
P #32	RCP	18"	26	270.37	270.24	0.50%
P #33	RCP	18"	48	270.04	269.80	0.50%
P #34	RCP	18"	180	269.60	268.65	0.53%
P #35	RCP	18"	29	268.87	268.65	0.76%
P #36	RCP	18"	151	268.45	264.65	2.52%
P #37	RCP	15"	29	265.80	264.65	3.92%
P #38	RCP	24"	186	264.45	262.56	1.02%
P #39	RCP	15"	26	263.37	262.56	3.15%
P #40	RCP	24"	150	262.36	256.00	4.24%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #41	RCP	24"	112	254.76	254.20	0.50%
P #42	RCP	18"	26	254.43	254.20	0.89%
P #43	RCP	30"	136	254.00	253.32	0.50%
P #44	RCP	15"	26	254.92	254.72	0.77%
P #45	RCP	30"	45	253.12	251.04	4.66%
P #46	RCP	30"	40	250.84	248.04	7.00%
P #47	RCP	30"	103	247.84	240.65	7.00%
P #48	RCP	30"	90	240.45	240.00	0.50%
P #50	CLASS IV RCP	18"	226	286.44	284.19	1.00%
P #51	CLASS IV RCP	18"	261	283.83	281.22	1.00%
P #52	CLASS IV RCP	18"	37	281.02	280.31	1.94%
P #53	RCP	18"	26	279.97	279.70	1.00%
P #54	CLASS IV RCP	18"	36	286.00	284.64	3.83%
P #55	CLASS IV RCP	15"	209	300.49	289.12	5.44%
P #56	CLASS IV RCP	24"	35	289.53	289.24	0.83%
P #57	CLASS IV RCP	24"	62	291.58	289.73	2.98%
P #58	CLASS IV RCP	24"	49	289.04	288.79	0.50%
P #59	CLASS IV RCP	24"	47	288.12	287.82	0.64%
P #60	CLASS IV RCP	24"	169	287.36	285.46	1.12%
P #61	CLASS IV RCP	24"	149	285.26	283.20	1.38%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #62	CLASS IV RCP	24"	74	282.79	281.66	1.53%
P #63	CLASS IV RCP	24"	142	281.46	280.75	0.50%
P #64	CLASS IV RCP	24"	52	280.55	279.78	1.46%
P #65	RCP	24"	63	237.00	234.19	4.44%
P #66	CLASS IV RCP	24"	213	279.13	275.58	1.67%
P #67	CLASS IV RCP	30"	26	274.54	274.40	0.50%
P #68	RCP	30"	72	274.20	273.00	1.66%
P #69	RCP	36"	83	272.77	271.02	2.12%
P #70	RCP	24"	157	273.00	271.98	0.65%
P #71	RCP	15"	26	273.34	273.21	0.50%
P #72	RCP	15"	114	272.52	269.60	2.57%
P #73	RCP	15"	79	269.40	269.00	0.50%
P #74	RCP	15"	70	271.03	270.67	0.50%
P #75	RCP	15"	38	270.47	270.29	0.50%
P #76	RCP	15"	147	268.80	268.07	0.50%
P #77	RCP	15"	26	270.09	269.96	0.50%
P #78	RCP	15"	72	267.87	266.72	1.58%
P #79	RCP	15"	26	266.52	266.39	0.50%
P #80	RCP	18"	48	266.19	265.96	0.50%
P #81	RCP	15"	26	296.53	296.34	0.73%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #82	RCP	15"	113	296.14	290.65	4.86%
P #83	RCP	15"	26	290.78	290.65	0.50%
P #84	RCP	15"	131	290.45	280.53	7.57%
P #85	RCP	15"	26	280.66	280.53	0.50%
P #86	RCP	15"	151	280.33	268.26	8.00%
P #87	RCP	24"	26	265.76	265.63	0.50%
P #88	RCP	24"	47	265.43	265.04	0.83%
P #89	RCP	15"	26	265.47	265.04	1.68%
P #90	RCP	24"	50	264.84	263.06	3.58%
P #91	RCP	24"	45	262.86	261.93	2.10%
P #92	RCP	15"	108	280.03	272.06	7.37%
P #93	RCP	15"	93	271.86	265.43	6.89%
P #94	RCP	15"	58	265.23	261.93	5.67%
P #95	RCP	24"	97	261.73	258.68	3.15%
P #96	RCP	15"	25	259.59	258.68	3.67%
P #97	RCP	24"	119	258.48	254.63	3.22%
P #98	RCP	15"	26	255.44	254.63	3.12%
P #99	RCP	24"	44	254.43	251.46	6.81%
P #100	RCP	15"	107	266.17	258.26	7.38%
P #101	RCP	15"	95	258.06	254.71	3.54%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #102	RCP	15"	52	254.51	251.46	5.90%
P #103	RCP	30"	128	251.26	247.03	3.32%
P #104	RCP	15"	27	249.04	248.53	1.92%
P #105	RCP	30"	43	246.83	245.59	2.92%
P #106	RCP	15"	26	259.78	259.33	1.74%
P #107	RCP	18"	167	259.13	247.89	6.75%
P #108	RCP	36"	26	245.39	244.98	1.59%
P #109	RCP	36"	59	244.78	244.48	0.50%
P #110	RCP	36"	52	244.28	244.02	0.50%
P #111	RCP	15"	28	245.92	245.15	2.71%
P #112	RCP	36"	40	243.82	243.16	1.65%
P #113	RCP	15"	105	291.78	283.16	8.23%
P #114	RCP	15"	78	285.39	283.32	2.65%
P #115	RCP	15"	132	282.96	275.48	5.66%
P #116	RCP	15"	112	275.28	271.34	3.51%
P #117	RCP	15"	123	286.06	278.58	6.09%
P #118	RCP	15"	44	278.80	278.58	0.50%
P #119	RCP	15"	91	278.38	274.38	4.38%
P #120	RCP	15"	75	274.18	271.34	3.78%
P #121	RCP	18"	115	271.14	266.51	4.03%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #122	RCP	18"	29	267.14	267.00	0.50%
P #123	RCP	18"	56	266.80	266.51	0.50%
P #124	RCP	18"	133	266.31	260.97	4.03%
P #125	RCP	24"	32	260.52	260.36	0.50%
P #126	RCP	24"	26	260.16	259.54	2.39%
P #127	RCP	24"	89	259.34	255.96	3.78%
P #128	RCP	15"	26	257.04	255.96	4.23%
P #129	RCP	24"	87	255.76	251.50	4.89%
P #130	RCP	30"	157	251.30	248.47	1.81%
P #131	RCP	36"	121	247.65	243.16	3.71%
P #132	RCP	42"	119	242.96	240.10	2.41%
P #133	RCP	42"	78	239.54	239.00	0.69%
P #134	RCP	24"	66	239.00	238.42	0.88%
P #135	RCP	15"	128	302.18	293.73	6.60%
P #136	RCP	15"	103	309.08	302.38	6.50%
P #137	RCP	15"	183	293.53	280.02	7.40%
P #138	RCP	15"	150	279.82	270.99	5.87%
P #139	RCP	18"	98	270.79	265.64	5.27%
P #140	RCP	18"	86	265.44	259.32	7.13%
P #141	RCP	18"	150	259.12	252.01	4.72%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #142	RCP	24"	45	251.21	247.95	7.30%
P #143	RCP	24"	107	247.75	240.00	7.23%
P #144	RCP	15"	77	244.55	242.06	3.24%
P #144A	RCP	15"	82	241.86	239.92	2.36%
P #145	CLASS IV RCP	15"	146	239.72	237.50	1.51%
P #146	CLASS IV RCP	18"	37	237.30	237.12	0.50%
P #147	CLASS IV RCP	18"	92	236.92	236.46	0.50%
P #148	CLASS IV RCP	18"	75	236.26	235.88	0.50%
P #149	CLASS IV RCP	24"	137	235.68	235.00	0.50%
P #150	CLASS IV RCP	24"	19	234.80	234.65	0.78%
P #151	CLASS IV RCP	30"	30	238.45	238.30	0.50%
P #153	RCP	15"	82	261.43	257.68	4.59%
P #154	RCP	15"	40	257.48	255.43	5.09%
P #155	RCP	15"	108	255.23	252.82	2.22%
P #156	RCP	18"	26	252.62	252.49	0.50%
P #157	RCP	18"	52	252.29	252.03	0.50%
P #158	RCP	24"	150	251.83	246.83	3.33%
P #159	RCP	24"	135	246.63	241.45	3.85%
P #160	RCP	24"	160	241.25	240.18	0.67%
P #161	RCP	30"	55	239.98	239.21	1.40%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #162	CLASS IV RCP	36"	26	238.93	238.80	0.50%
P #163	RCP	15"	26	259.37	259.16	0.82%
P #164	RCP	15"	136	258.96	256.70	1.67%
P #165	RCP	15"	26	256.83	256.70	0.50%
P #166	RCP	18"	47	256.50	254.92	3.35%
P #167	RCP	18"	28	254.72	252.88	6.63%
P #169	RCP	15"	26	248.13	246.83	5.06%
P #170	RCP	15"	26	242.72	242.20	2.04%
P #171	RCP	15"	26	241.31	241.17	0.50%
P #172	RCP	15"	127	242.94	242.30	0.50%
P #173	RCP	15"	120	242.10	241.50	0.50%
P #174	RCP	24"	91	241.30	240.85	0.50%
P #175	RCP	24"	22	240.65	240.54	0.50%
P #176	RCP	30"	26	240.34	240.21	0.50%
P #177	RCP	15"	26	255.98	255.85	0.50%
P #178	RCP	15"	95	255.65	251.44	4.44%
P #179	RCP	18"	45	251.24	248.20	6.73%
P #180	RCP	18"	39	248.00	244.93	7.84%
P #181	RCP	15"	195	248.00	246.99	0.52%
P #182	RCP	15"	26	247.01	246.88	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #183	RCP	18"	57	246.68	246.39	0.50%
P #184	RCP	18"	60	246.19	245.89	0.50%
P #185	RCP	18"	26	246.21	246.08	0.50%
P #186	RCP	24"	58	245.69	245.41	0.50%
P #187	RCP	24"	56	245.21	244.93	0.50%
P #188	RCP	24"	102	244.73	243.61	1.09%
P #189	RCP	15"	26	244.43	244.22	0.82%
P #190	RCP	24"	73	243.41	243.00	0.56%
P #191	CLASS IV RCP	30"	84	242.80	242.38	0.50%
P #192	RCP	15"	26	243.56	243.19	1.43%
P #193	RCP	30"	62	242.18	241.88	0.50%
P #194	RCP	30"	77	241.68	241.29	0.50%
P #195	RCP	15"	26	242.90	242.59	1.16%
P #196	RCP	30"	177	241.09	240.21	0.50%
P #197	RCP	30"	79	240.01	239.61	0.50%
P #198	RCP	36"	116	239.41	238.80	0.52%
P #199	CLASS IV RCP	36"	60	238.60	238.30	0.50%
P #200	CLASS IV RCP	42"	112	238.10	237.54	0.50%
P #202	RCP	42"	68	237.34	237.00	0.50%
P #203	RCP	24"	88	237.00	236.56	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #204	RCP	15"	38	264.61	263.73	2.34%
P #205	RCP	24"	46	263.53	262.03	3.22%
P #206	RCP	15"	26	297.92	297.76	0.62%
P #207	RCP	15"	106	297.47	292.44	4.76%
P #208	RCP	15"	26	292.57	292.44	0.50%
P #209	RCP	15"	115	292.24	287.49	4.11%
P #210	RCP	15"	99	287.29	282.91	4.42%
P #211	RCP	15"	26	283.04	282.91	0.50%
P #212	RCP	18"	150	282.71	271.62	7.38%
P #213	RCP	18"	26	269.45	269.32	0.50%
P #214	RCP	24"	149	269.12	267.75	0.92%
P #215	RCP	15"	26	268.52	267.94	2.22%
P #216	RCP	24"	140	267.55	262.03	3.93%
P #217	RCP	30"	26	261.83	261.11	2.80%
P #218	RCP	30"	49	260.77	256.72	8.26%
P #219	RCP	30"	82	256.52	251.25	6.46%
P #220	RCP	18"	102	270.31	269.80	0.50%
P #221	RCP	15"	38	253.31	253.03	0.74%
P #222	RCP	30"	221	250.53	245.66	2.20%
P #223	RCP	15"	26	281.55	281.43	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #224	RCP	15"	66	281.23	280.90	0.50%
P #225	RCP	15"	38	280.70	280.51	0.50%
P #226	RCP	15"	28	280.31	280.17	0.50%
P #227	RCP	15"	42	285.50	282.47	7.14%
P #228	RCP	15"	190	279.97	271.97	4.20%
P #229	RCP	15"	26	272.10	271.97	0.50%
P #230	RCP	15"	200	271.77	256.48	7.65%
P #231	RCP	15"	26	258.91	258.78	0.50%
P #232	RCP	18"	145	256.28	248.98	5.04%
P #233	RCP	15"	27	250.85	249.88	3.65%
P #234	RCP	30"	61	248.38	246.86	2.50%
P #235	CLASS IV RCP	36"	66	246.66	245.68	1.48%
P #236	CLASS IV RCP	24"	26	246.85	246.72	0.50%
P #237	CLASS IV RCP	42"	44	245.28	245.06	0.50%
P #238	RCP	42"	38	244.86	244.68	0.50%
P #239	RCP	42"	50	244.48	244.23	0.50%
P #240	RCP	42"	98	244.03	243.54	0.50%
P #241	RCP	42"	106	243.34	242.30	0.98%
P #242	RCP	15"	53	255.95	252.75	6.02%
P #243	RCP	15"	56	252.55	248.23	7.76%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #244	RCP	15"	26	249.07	248.93	0.50%
P #245	RCP	18"	137	248.03	245.93	1.53%
P #246	RCP	15"	31	246.61	245.93	2.17%
P #247	RCP	18"	101	245.73	245.03	0.70%
P #248	RCP	18"	85	244.83	243.70	1.33%
P #249	RCP	42"	73	242.10	241.16	1.30%
P #250	RCP	42"	191	240.96	240.00	0.50%
P #251	RCP	36"	77	239.00	238.61	0.50%
P #252	26' ARCH CULVERT (OPEN BOTTOM)	72"	74	238.00	237.63	0.50%
P #253	RCP	15"	38	242.68	242.49	0.50%
P #254	RCP	24"	150	242.29	241.54	0.50%
P #255	RCP	18"	38	242.23	241.97	0.70%
P #256	RCP	15"	82	268.07	267.66	0.50%
P #257	RCP	15"	47	267.46	267.22	0.50%
P #258	RCP	15"	81	267.02	263.61	4.23%
P #259	RCP	15"	43	265.56	263.61	4.49%
P #260	RCP	15"	90	263.41	258.84	5.05%
P #261	RCP	18"	91	258.57	253.61	5.47%
P #262	RCP	18"	87	253.41	250.12	3.78%
P #263	RCP	15"	27	250.74	250.50	0.90%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #264	RCP	18"	67	249.92	249.11	1.20%
P #265	RCP	18"	56	248.91	245.87	5.40%
P #266	RCP	18"	47	249.79	248.18	3.43%
P #267	RCP	18"	26	246.00	245.87	0.50%
P #268	RCP	24"	41	245.67	243.75	4.70%
P #269	RCP	30"	39	243.55	243.35	0.50%
P #270	RCP	15"	38	278.85	278.66	0.50%
P #271	RCP	18"	131	278.46	272.33	4.67%
P #272	RCP	18"	127	272.13	264.33	6.17%
P #273	RCP	15"	38	264.59	264.33	0.71%
P #274	RCP	18"	86	264.13	257.80	7.36%
P #276	RCP	18"	88	257.53	252.43	5.79%
P #277	RCP	15"	43	253.94	252.77	2.69%
P #278	RCP	24"	65	251.96	248.96	4.60%
P #279	RCP	24"	48	248.69	247.78	1.92%
P #280	RCP	24"	26	247.58	247.45	0.50%
P #281	RCP	15"	26	254.05	253.92	0.50%
P #282	RCP	15"	107	253.72	251.20	2.34%
P #283	RCP	15"	26	251.39	251.20	0.73%
P #284	RCP	18"	110	251.00	249.07	1.77%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #285	RCP	18"	50	248.87	248.39	0.95%
P #286	RCP	30"	53	247.16	245.52	3.08%
P #287	RCP	30"	203	243.15	241.54	0.80%
P #288	RCP	36"	115	241.14	240.43	0.62%
P #289	RCP	36"	46	240.23	240.00	0.50%
P #290	RCP	36"	97	240.00	237.51	2.58%
P #291	RCP	15"	26	259.08	258.96	0.50%
P #292	RCP	15"	145	258.76	256.82	1.34%
P #293	RCP	15"	26	257.69	257.56	0.50%
P #294	RCP	15"	40	257.36	257.16	0.50%
P #295	RCP	15"	27	256.96	256.82	0.52%
P #296	RCP	18"	114	256.62	255.96	0.58%
P #297	RCP	24"	68	255.76	255.06	1.03%
P #298	RCP	30"	109	254.86	248.49	5.85%
P #299	RCP	30"	54	248.29	248.00	0.54%
P #300	RCP	18"	62	249.76	248.00	2.82%
P #301	RCP	18"	55	246.50	241.24	9.52%
P #302	RCP	15"	137	299.10	288.34	7.83%
P #302A	RCP	15"	108	288.14	280.61	6.98%
P #303	RCP	15"	145	280.41	271.94	5.85%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #304	RCP	15"	44	271.74	268.46	7.45%
P #305	RCP	18"	96	268.00	264.36	3.80%
RELOCATION EX. P #01	CLASS IV RCP	18"	48	283.16	280.17	6.24%
RELOCATION EX. P #02	CLASS IV RCP	18"	21	283.85	283.74	0.50%
RELOCATION EX. P #04	CLASS IV RCP	15"	27	283.82	283.69	0.50%
RELOCATION EX. P #05	CLASS IV RCP	15"	38	280.85	280.21	1.67%

No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	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	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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

STORM DRAINAGE TABLES

DRAWING SHEET

C-9.10

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

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	290.24		287.77 W
CB #02	2' X 3'	292.07	286.71 E	286.51 W
CB #03	2' X 3'	291.90	286.15 E	285.95 W
CB #04	2' X 3'	290.71	285.60 E	285.40 W
CB #05	2' X 3'	288.14	284.33 E	284.13 W
CB #06	2' X 3'	285.49		280.95 NE
CB #07	2' X 3'	282.70	278.16 SW	277.96 N
CB #08	2' X 3'	280.77		276.33 E
CB #09	2' X 3'	280.68	276.20 W	276.00 SE
CB #10	2' X 3'	282.20	275.81 NW 276.11 S	275.61 E
CB #11	2' X 3'	279.29		274.85 N
CB #12	2' X 3'	279.28	274.57 S 274.57 W	274.34 E
CB #13	2' X 3'	275.92		271.48 N
CB #14	2' X 3'	275.87	271.08 S 271.08 W	270.88 E
CB #15	2' X 3'	273.37	268.11 W	267.91 NE
CB #16	2' X 3'	273.22	267.29 S	267.09 N
CB #17	2' X 3'	272.30	266.10 SW 266.10 S	265.90 N
CB #18 (DOUBLE)	2' X 3'	272.97	264.62 S	264.42 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #19	2' X 3'	272.95	264.29 S	264.09 W
CB #20	2' X 3'	275.32		270.89 N
CB #21	2' X 3'	275.34	270.76 S	270.56 E
CB #22	2' X 3'	273.10	264.74 W 263.94 E	263.74 N
CB #23	2' X 3'	275.59		271.15 E
CB #24	2' X 3'	275.59	271.02 W	270.81 NE
CB #25	2' X 3'	276.27	270.57 SW	270.37 N
CB #26	2' X 3'	276.12	270.24 S	270.04 NW
CB #27	2' X 3'	275.10	269.80 SE	269.60 N
CB #28	2' X 3'	273.58		268.87 NE
CB #29	2' X 3'	273.36	268.65 S 268.65 SW	268.45 N
CB #30	2' X 3'	271.12		265.80 NE
CB #31	2' X 3'	270.88	264.65 S 264.65 SW	264.45 N
CB #32	2' X 3'	267.81		263.37 E
CB #33	2' X 3'	267.81	262.56 S 262.56 W	262.36 N
CB #34	2' X 3'	262.31	256.00 S 254.20 W 254.20 E	254.00 N
CB #35	2' X 3'	262.31		254.43 E
CB #36	2' X 3'	260.03		254.92 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #37	2' X 3'	259.29	253.32 S 254.72 W	253.12 NE
CB #38	2' X 3'	258.76	251.04 SW	250.84 E
CB #39	2' X 3'	290.19		286.44 E
CB #40	2' X 3'	288.98	284.19 W	283.83 E
CB #41	2' X 3'	285.22	281.22 W	281.02 NE
CB #42	2' X 3'	305.80		300.49 S
CB #43	2' X 3'	294.44	289.73 S	289.53 NW
CB #44	2' X 3'	293.89	289.24 SE	289.04 W
CB #45	2' X 3'	293.41	288.79 E 289.12 N	288.12 SW
CB #46	2' X 3'	292.33	287.82 NE	287.36 W
CB #47	2' X 3'	289.80	285.46 E	285.26 W
CB #48	2' X 3'	287.47	283.20 E	282.79 W
CB #49	2' X 3'	286.03	281.66 E	281.46 W
CB #50	2' X 3'	285.01	280.75 E	280.55 W
CB #51	2' X 3'	283.99	279.70 SE 280.31 SW 279.78 E	279.13 N
CB #52	2' X 3'	285.43	280.17 S	279.97 NW
CB #53	2' X 3'	279.94	275.58 S	274.54 E
CB #54	2' X 3'	279.99	274.40 W	274.20 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #55	2' X 3'	277.77		273.34 W
CB #56	2' X 3'	277.77	273.21 E	272.52 NW
CB #57	2' X 3'	277.10	269.60 SE	269.40 NW
CB #58	2' X 3'	275.69		271.03 SE
CB #59	2' X 3'	275.98	270.67 NW	270.47 NE
CB #60	2' X 3'	276.48	270.29 SW 269.00 SE	268.80 N
CB #61	2' X 3'	274.66		270.09 W
CB #62	2' X 3'	274.68	269.96 E 268.07 S	267.87 N
CB #63	2' X 3'	272.51	266.72 S	266.52 E
CB #64	2' X 3'	272.51	266.39 W	266.19 NE
CB #65	2' X 3'	300.97		296.53 SE
CB #66	2' X 3'	300.78	296.34 NW	296.14 W
CB #67	2' X 3'	295.22		290.78 S
CB #68	2' X 3'	295.12	290.65 E 290.65 N	290.45 W
CB #69	2' X 3'	286.02		280.66 S
CB #70	2' X 3'	285.92	280.53 N 280.53 E	280.33 W
CB #71	2' X 3'	274.74	265.96 SW 268.26 E	265.76 N
CB #72	2' X 3'	274.59	265.63 S	265.43 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #73	2' X 3'	270.01		265.47 E
CB #74	2' X 3'	271.18	265.04 SE 265.04 W	264.84 N
CB #75	2' X 3'	268.45	263.06 S	262.86 NW
CB #76	2' X 3'	264.03		259.59 NE
CB #77	2' X 3'	264.03	258.68 SE 258.68 SW	258.48 NW
CB #78	2' X 3'	259.87		255.44 NE
CB #79	2' X 3'	259.98	254.63 SW 254.63 SE	254.43 NW
CB #80	2' X 3'	253.46		249.04 E
CB #81 (DOUBLE)	2' X 3'	253.45	247.03 SE 248.53 W	246.83 NE
CB #82	2' X 3'	264.22		259.78 S
CB #84	2' X 3'	255.07	245.59 SW 247.89 E	245.39 N
CB #85	2' X 3'	255.07	244.98 S	244.78 NW
CB #86	2' X 3'	252.67	244.48 SE	244.28 N
CB #87	2' X 3'	252.75		245.92 E
CB #88	2' X 3'	252.65	244.02 S 245.15 W	243.82 N
CB #89	2' X 3'	271.91		267.14 S
CB #90	2' X 3'	271.77	267.00 N	266.80 SW
CB #91	2' X 3'	264.85		260.52 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #92	2' X 3'	267.26	260.36 SW 260.97 SE	260.16 NE
CB #93	2' X 3'	267.11	259.54 SW	259.34 NW
CB #94	2' X 3'	261.48		257.04 NE
CB #95	2' X 3'	261.55	255.96 SE 255.96 SW	255.76 NW
CB #96	2' X 3'	313.77		309.08 NW
CB #97	2' X 3'	307.40	302.38 SE	302.18 NW
CB #98	2' X 3'	298.16	293.73 SE	293.53 NW
CB #99	2' X 3'	285.15	280.02 SE	279.82 NW
CB #100	2' X 3'	276.03	270.99 SE	270.79 NW
CB #101	2' X 3'	270.89	265.64 SE	265.44 NW
CB #102	2' X 3'	266.43	259.32 SE	259.12 NW
CB #103	2' X 3'	259.30	252.01 SE	251.21 NE
CB #104	2' X 3'	258.53	247.95 SW	247.75 NE
CB #105	2' X 3'	303.55		299.10 NW
CB #105A	2' X 3'	293.11	288.34 SE	288.14 NW
CB #106	2' X 3'	272.71	268.46 S	268.00 NE
CB #107	2' X 3'	276.42	271.94 SE	271.74 N
CB #108	2' X 3'	285.05	280.61 SE	280.41 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #109	2' X 3'	248.99		244.55 S
CB #109A	2' X 3'	246.50	242.06 N	241.86 S
CB #110	2' X 3'	244.36	239.92 N	239.72 S
CB #111	2' X 3'	241.03	237.50 N	237.30 SE
CB #112	2' X 3'	241.10	237.12 NW	236.92 S
CB #113	2' X 3'	238.60	236.46 N	236.26 SE
CB #114	2' X 3'	238.38	235.88 NW	235.68 SE
CB #115	2' X 3'	242.65		238.45 SE
CB #116	2' X 3'	266.07		261.43 S
CB #117	2' X 3'	262.12	257.68 N	257.48 SE
CB #118	2' X 3'	259.95	255.43 NW	255.23 E
CB #119	2' X 3'	260.48	252.82 W	252.62 S
CB #120	2' X 3'	260.46	252.49 N	252.29 SE
CB #121	2' X 3'	263.81		259.37 S
CB #122	2' X 3'	263.81	259.16 N	258.96 W
CB #123	2' X 3'	261.26		256.83 S
CB #124	2' X 3'	261.23	256.70 E 256.70 N	256.50 SW
CB #125	2' X 3'	259.72	254.92 NE	254.72 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #126	2' X 3'	259.47	252.88 E 252.03 NW	251.83 S
CB #127	2' X 3'	252.57		248.13 W
CB #128	2' X 3'	252.53	246.83 E 246.83 N	246.63 S
CB #129	2' X 3'	247.16		242.72 W
CB #130	2' X 3'	247.15	242.20 E 241.45 N	241.25 S
CB #131	2' X 3'	245.74		241.31 W
CB #132	2' X 3'	245.81	241.17 E 240.18 N	239.98 SW
CB #133	2' X 3'	245.08	239.21 NE	238.93 S
CB #134	2' X 3'	260.42		255.98 S
CB #135	2' X 3'	246.44	240.54 N	240.34 S
CB #136	2' X 3'	256.14	251.44 W	251.24 SE
CB #137	2' X 3'	260.42	255.85 N	255.65 E
CB #138	2' X 3'	253.01	248.20 NW	248.00 SE
CB #139	2' X 3'	252.45		248.00 W
CB #140	2' X 3'	251.44		247.01 S
CB #141	2' X 3'	251.44	246.88 N 246.99 E	246.68 W
CB #142	2' X 3'	251.17	246.39 E	246.19 W
CB #143 (DOUBLE)	2' X 3'	250.92		246.21 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #144	2' X 3'	250.92	245.89 E 246.08 N	245.69 W
CB #145	2' X 3'	251.46	245.41 E	245.21 W
CB #146	2' X 3'	251.28	244.93 NW 244.93 E	244.73 S
CB #147	2' X 3'	248.87		244.43 SE
CB #148	2' X 3'	248.84	243.61 N 244.22 NW	243.41 SW
CB #149	2' X 3'	248.38	243.00 NE	242.80 SW
CB #150	2' X 3'	248.00		243.56 SE
CB #151	2' X 3'	247.98	242.38 NE 243.19 NW	242.18 SW
CB #152	2' X 3'	247.68	241.88 NE	241.68 SW
CB #153	2' X 3'	247.34		242.90 S
CB #154	2' X 3'	247.31	241.29 NE 242.59 N	241.09 SW
CB #155	2' X 3'	246.44	240.21 NE 240.21 N	240.01 SW
CB #156	2' X 3'	246.06	239.61 NE	239.41 SW
CB #157	2' X 3'	245.03	238.80 N 238.80 NE	238.60 SW
CB #159	2' X 3'	269.05		264.61 SE
CB #160	2' X 3'	269.07	263.73 NW 264.36 SW	263.53 E
CB #161	2' X 3'	302.36		297.92 W
CB #162	2' X 3'	302.20	297.76 E	297.47 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #163	2' X 3'	297.00		292.57 SW
CB #164	2' X 3'	297.13	292.44 NE 292.44 S	292.24 NW
CB #165	2' X 3'	291.92	287.49 SE	287.29 NW
CB #166	2' X 3'	287.47		283.04 SW
CB #167	2' X 3'	287.47	282.91 SE 282.91 NE	282.71 NW
CB #168	2' X 3'	280.18	269.80 NE	269.45 SW
CB #169	2' X 3'	280.14	269.32 NE 271.62 SE	269.12 NW
CB #170	2' X 3'	272.92		268.52 SW
CB #171	2' X 3'	272.95	267.94 NE 267.75 SE	267.55 NW
CB #172 (DOUBLE)	2' X 3'	267.62	262.03 SE 262.03 W	261.83 NE
CB #173	2' X 3'	266.76	261.11 SW	260.77 N
CB #174	2' X 3'	262.74	256.72 S	256.52 NE
CB #175	2' X 3'	257.74		253.31 SE
CB #176	2' X 3'	257.73	251.25 SW 253.03 NW	250.53 NE
CB #177	2' X 3'	285.94		281.55 N
CB #178	2' X 3'	285.94	281.43 S	281.23 W
CB #179	2' X 3'	289.74	280.90 E	280.70 NW
CB #180	2' X 3'	289.80	280.51 SE	280.31 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #181	2' X 3'	292.77		285.50 N
CB #182	2' X 3'	289.88	280.17 E 282.47 S	279.97 N
CB #183	2' X 3'	277.06		272.10 W
CB #184	2' X 3'	277.02	271.97 E 271.97 S	271.77 N
CB #185	2' X 3'	263.88		258.91 W
CB #186	2' X 3'	263.89	258.78 E 256.48 S	256.28 N
CB #187	2' X 3'	255.29		250.85 W
CB #188	2' X 3'	254.98	248.98 S 249.88 E	248.38 N
CB #189	2' X 3'	252.83	246.86 S	246.66 NW
CB #190	2' X 3'	251.46		246.85 SW
CB #191	2' X 3'	251.46	246.72 NE 245.68 SE	245.28 W
CB #192	2' X 3'	251.78	245.06 E 245.66 SW	244.86 NW
CB #193	2' X 3'	251.77	244.68 SE	244.48 N
CB #194	2' X 3'	260.39		255.95 NE
CB #195	2' X 3'	257.19	252.75 SW	252.55 NE
CB #196	2' X 3'	253.50		249.07 SE
CB #197	2' X 3'	253.47	248.23 SW 248.93 NW	248.03 NE
CB #198	2' X 3'	251.05		246.61 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #199	2' X 3'	250.80	245.93 SW 245.93 W	245.73 NE
CB #200	2' X 3'	249.74	245.03 SW	244.83 N
CB #201	2' X 3'	248.69	242.30 SE 243.70 S	242.10 NW
CB #202	2' X 3'	248.07		242.68 NW
CB #203	2' X 3'	248.08	242.49 SE	242.29 NE
CB #204	2' X 3'	248.76		242.23 NW
CB #205	2' X 3'	274.79	267.66 SE	267.46 SW
CB #206	2' X 3'	272.31	267.22 NE	267.02 SW
CB #207	2' X 3'	270.00		265.56 S
CB #208	2' X 3'	268.05	263.61 N 263.61 NE	263.41 W
CB #209	2' X 3'	263.28	258.84 E	258.57 W
CB #210	2' X 3'	258.50	253.61 E	253.41 NW
CB #211	2' X 3'	255.30		250.74 SW
CB #212	2' X 3'	255.05	250.50 NE 250.12 SE	249.92 NW
CB #213	2' X 3'	253.82	249.11 SE	248.91 NW
CB #214	2' X 3'	254.64		249.79 S
CB #215 (DOUBLE)	2' X 3'	253.02	248.18 N	246.00 SW
CB #216	2' X 3'	253.01	245.87 NE 245.87 SE	245.67 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #217	2' X 3'	251.42	243.75 E	243.55 NW
CB #218	2' X 3'	283.28		278.85 N
CB #219	2' X 3'	283.28	278.66 S	278.46 W
CB #220	2' X 3'	277.04	272.33 E	272.13 W
CB #221	2' X 3'	269.03		264.59 N
CB #222	2' X 3'	269.03	264.33 S 264.33 E	264.13 W
CB #224	2' X 3'	262.54	257.80 E	257.53 W
CB #225	2' X 3'	258.37		253.94 NW
CB #226	2' X 3'	257.21	252.77 SE 252.43 E	251.96 W
CB #227	2' X 3'	254.48	248.96 E	248.69 NW
CB #228 (DOUBLE)	2' X 3'	253.10	247.78 SE	247.58 W
CB #229	2' X 3'	258.48		254.05 W
CB #230	2' X 3'	258.49	253.92 E	253.72 S
CB #231	2' X 3'	255.83		251.39 W
CB #232	2' X 3'	255.83	251.20 E 251.20 N	251.00 S
CB #233	2' X 3'	253.83	249.07 N	248.87 S
CB #234	2' X 3'	253.10	248.39 N 247.45 E	247.16 S
CB #235	2' X 3'	251.40	243.35 SE 245.52 N	243.15 SW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #236	2' X 3'	248.75	241.54 NE 241.97 SE 241.54 SW	241.14 NW
CB #237	2' X 3'	263.52		259.08 E
CB #238	2' X 3'	263.52	258.96 W	258.76 N
CB #239	2' X 3'	262.13		257.69 S
CB #240	2' X 3'	262.12	257.56 N	257.36 SE
CB #241	2' X 3'	262.28	257.16 NW	256.96 E
CB #242	2' X 3'	262.21	256.82 S 256.82 W	256.62 N
CB #243	2' X 3'	261.01	255.96 S	255.76 N
CB #244	2' X 3'	260.40	255.06 S	254.86 NE
EX. GTI	2' X 3'	239.20	235.00 NW	234.80 NE

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #601	2' X 3'	278.30		273.46 E
YI #602	2' X 3'	276.46	271.48 W	271.28 E
YI #603	2' X 3'	273.75	268.64 W	268.44 N
YI #604	2' X 3'	272.35	265.48 S	265.28 N
YI #605	2' X 3'	259.20		254.76 W
YI #606	2' X 3'	274.75		270.31 SW
YI #607	2' X 3'	250.06	244.23 S	244.03 NW
YI #608	2' X 3'	250.02	243.54 SE	243.34 NW
YI #609	2' X 3'	258.54		249.76 NW
YI #610	2' X 3'	247.40		242.94 SW
YI #611	2' X 3'	246.90	242.30 NE	242.10 SW
YI #612	2' X 3'	246.00	241.50 NE	241.30 S
YI #613	2' X 3'	246.79	240.85 N	240.65 S
YI #616	2' X 3'	272.51		268.07 NW

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #201	2' X 3'	284.47		280.03 W
DI #202	2' X 3'	276.71	272.06 E	271.86 W
DI #203	2' X 3'	270.07	265.43 E	265.23 SW
DI #204	2' X 3'	267.18	261.93 NE 261.93 SE	261.73 NW
DI #205	2' X 3'	270.63		266.17 W
DI #206	2' X 3'	263.64	258.26 E	258.06 W
DI #207	2' X 3'	259.63	254.71 E	254.51 SW
DI #208	2' X 3'	258.21	251.46 SE 251.46 NE	251.26 NW
DI #209	2' X 3'	289.79		285.39 SW
DI #210	2' X 3'	288.58	283.32 NE 283.16 SE	282.96 NW
DI #211	2' X 3'	296.22		291.78 NW
DI #212	2' X 3'	280.28	275.48 SE	275.28 NW

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #213	2' X 3'	290.50		286.06 NW
DI #214	2' X 3'	283.24		278.80 SE
DI #215	2' X 3'	285.44	278.58 SE 278.58 NW	278.38 SW
DI #216	2' X 3'	279.22	274.38 NE	274.18 SW
DI #217	2' X 3'	276.08	271.34 NE 271.34 SE	271.14 NW
DI #218	2' X 3'	272.11	266.51 NE 266.51 SE	266.31 NW
DI #219	2' X 3'	257.09	251.50 SE	251.30 SW
DI #220	2' X 3'	254.26	248.47 NE	247.65 SW
DI #221	2' X 3'	252.20	243.16 NE 243.16 S	242.96 NW

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SDMH #501	4'	269.06	262.67 S	262.47 NW	6.59
SDMH #502	4'	257.23	248.04 W	247.84 N	9.39
SDMH #503	4'	249.40	240.65 S	240.45 W	9.24
SDMH #504	4'	246.97	240.10 SE	239.54 NW	7.44
SDMH #505	4'	246.82	241.16 SE	240.96 W	5.86
SDMH #506	4'	246.84	240.43 SE	240.23 N	6.61
SDMH #507	4'	258.38	248.49 SW	248.29 N	10.09
SDMH #508	4'	244.10	237.54 NW	237.34 SE	6.76

OCS TABLE			
OCS NO	SIZE	TOP	INV. OUT
OCS #401	2' X 3'	265.20	262.00 N
OCS #402	2' X 3'	244.00	237.00 N
OCS #403	2' X 3'	243.25	239.00 N
OCS #404	2' X 3'	278.54	273.00 W
OCS #405	2' X 3'	244.25	239.00 NW
OCS #406	2' X 3'	243.85	240.00 N
OCS #407	2' X 3'	253.00	246.50 NW
OCS #408	2' X 3'	241.25	237.00 SE

FES TABLE		
FES NO	SIZE	INV. OUT
FES #301	36"	262.00 SE
FES #302	24"	261.54 S
FES #303	30"	240.00 E
FES #304	24"	234.19 S
FES #305	24"	240.00 SW
FES #306	42"	239.00 SE
FES #307	24"	238.42 S
FES #308	30"	273.00 SW
FES #309	24"	271.98 E
FES #310	42"	240.00 E

FES TABLE		
FES NO	SIZE	INV. OUT
FES #311	36"	238.61 SE
FES #312	36"	240.00 S
FES #313	36"	237.51 S
FES #314	30"	248.00 S
FES #315	18"	241.24 SE
FES #316	42"	237.00 NW
FES #317	24"	236.56 NW
FES #318	18"	248.00 SE

No.	REVISIONS	DATE	BY
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG

SEAL:

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

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
STORM DRAINAGE TABLES

DRAWING SHEET
C-9.11

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