V1 - CID-24-04 - PLan Set Part 1 of 2

1 - Please include the submittal number on the cover sheet (CID-24-04)

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:	6,140,471 SF (141.23 AC)
NC-CZ ZONE ACREAGE	53.89 AC (EST)
COMMERCIAL TRACT (15%):	9.66 AC
RESIDENTIAL ZONE RM-CZ:	84.62 AC (EST)
MAXIMUM UNITS PERMITTED:	395 UNITS (134 TOWNHOMES)
ZONING AND ANNEXATION:	MA 22-06 &ANX22-03

BUILDING SETBACKS (MIN) RM-CZ CLUSTER OPTION

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

BUILDING SETBACKS (MIN) NC-CZ (EMPLOYMENT OF TA 23-06)

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

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

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

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

LOT ACREAGE:
NC 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	2,125 SF

RM ZONE

	DSF:
TOTAL NUMBER PROPOSED LOTS:	186 LOTS
MINIMUM PROPOSED LOT SIZE:	5,000 SF
MAXIMUM PROPOSED LOT SIZE:	13,548 SF

OPEN SPACE BREAKDOWN:
SEE OPEN SPACE CHART PAGE C-6.0 TO C-6.3
GREENWAY: 5,345 LF

IMPERVIOUS AREAS:
NC ZONING DISTRICT

ROADWAYS / PARKING:	268,299 SF (6.16 AC)
SIDEWALKS:	81,079 SF (1.86 AC)
DRIVEWAYS:	69,869 SF (1.60 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	419,247 SF (9.62 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	17.85%

RM ZONE

ROADWAYS / PARKING:	304,603 SF (6.99 AC)
SIDEWALKS:	111,598 SF (2.56 AC)
DRIVEWAYS:	76,322 SF (1.75 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	492,523 SF (11.30 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	13.35%

VICINITY MAP
1" = 600'

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

OWNER:

HOPPER COMMUNITIES
CONTACT: BILL HARRELL
BHARRELL@HOPPERCOMMUNITIES.COM

SURVEYOR:

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

ENVIRONMENTAL CONSULTANT:

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

CIVIL ENGINEERING:

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

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

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2 - Erosion Control Sheets must be included with Construction Drawings submittal

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-1.0

01 OF 133

MA-22-06
Approved January 17, 2023

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

Conditions Applicable to the entire property:

1. The subject property shall be developed generally in accordance with the sketch plan attached hereto as Exhibit 1 and incorporated herein as if fully set out. The approximately 55± acre portion of the subject property located west of Jonesville Road and further described as Parcel 1 on the attached Exhibit 2 attached hereto shall be zoned NC-CZ and the approximately 86± acre portion of the property located east of Jonesville Road and further described as Parcel 2 on Exhibit 2 attached hereto shall be zoned RM-CZ. The improvements described herein may be developed in phases in accordance with a phasing plan approved by the Town of Rolesville.

2. The total number of dwellings on the subject property shall not exceed 395 dwelling units and no more than 134 of these dwelling units shall be permitted to be Dwellings, Single Family, Attached (Townhouse.)

3. Mixture of Uses: At least 50,000 square feet of non-residential building area shall be permitted (issuance of a building permit) prior to permitting (issuance of a building permit) more than 197 dwelling units.

4. Affordable Housing:
   a. Prior to the issuance of the first building permit for a dwelling unit, the property owner shall donate Thirty Thousand Dollars and No Cents ($30,000.00) to Homes for Heroes.
   b. Prior to the issuance of the 200th building permit, the property owner shall donate one (1) Dwelling, Single Family, Attached (townhome) to Passage Homes, CASA, Habitat for Humanity of Wake County or other similar organization providing homes to low-income people.

5. Pollinator Plantings: At least twenty percent (20%) of the landscaping planted in common areas on the subject property shall utilize plant materials that are listed as Native Pollinator Plants on North Carolina Wildlife Federation ("NCWF") or other resources for native plants recommended by the NCWF on their website, currently found at https://ncwf.org/habitat/native-polinator-plants/

Where evergreen plantings or street trees are required by the Rolesville Land Development Ordinance as the same may be amended from time to time, pollinator plantings shall not be required. Nothing herein shall be construed to limit the plant materials permitted on individual residential lots. Compliance with this condition shall be demonstrated at construction infrastructure drawings for each phase.

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

   a. A swimming pool and cabana, including changing rooms and restrooms shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;

   b. At least one fenced playground shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;

   c. At least one fenced dog park shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;

   d. Public greenway on a greenway easement dedicated to the Town of Rolesville with paved trails at least ten feet wide (10') shall be constructed generally as shown on the attached Exhibit 1;

   e. A greenway trail head with at least four (4) parking spaces shall be constructed generally as shown on Exhibit 1 and offered to the Town of Rolesville for use as a greenway trail head prior to the issuance of the 200th building permit for a dwelling unit. The Town of Rolesville may accept or reject the offer of dedication in its sole discretion prior to the issuance of the 250th building permit. If the Town of Rolesville accepts dedication of this trailhead, the area dedicated to the Town of Rolesville shall be credited to this project as active open space. If the Town of Rolesville does not accept or reject the dedication of this area in writing prior to issuance of the 250th building permit, it shall be dedicated to the homeowner's association.

   f. At least one (1) community garden shall be provided prior to issuance of the 336th building permit for a dwelling unit; and

   g. At least one (1) acre of undeveloped land in the area located at the northeast quadrant of the intersection of Jonesville Road and Mitchell Mill Road shall be offered to the Town of Rolesville generally as shown on the attached Exhibit 1 for recreational uses prior to the issuance of the 150th building permit for a dwelling unit. The Town of Rolesville may accept or reject the offer of dedication in its sole discretion prior to the issuance of the 200th building permit. If the Town of Rolesville accepts dedication of this property, the area dedicated to the Town of Rolesville shall be credited to this project as active open space. If the Town of Rolesville does not accept or reject the dedication of this area in writing prior to the issuance of the 200th building permit, it shall be dedicated to the homeowner's association.

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

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

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

   g. Jonesville Road and Site Access 4:
      i. Construct the eastbound approach (Site Access 4) with one ingress lane and one egress lane;
      ii. Provide stop-control for eastbound approach (Site Access 4);
      iii. Provide a northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper; and
      iv. Provide a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.

   h. Michell Mill and Site Access 5:
      i. Construct the southbound approach (Site Access 5) with one ingress lane and one egress lane;
      ii. Provide stop-control for southbound approach (Site Access 5) restricted to right in, right-out operations unless left-turn access is approved by NCDOT; and
      iii. Construct an exclusive westbound (Mitchell Mill Road) right-turn lane with at least 100 feet of storage and appropriate decel and taper.

   i. Mitchell Mill and Site Access 6:
      i. Construct the southbound approach (Site Access 6) with one ingress lane and one egress lane striped as an exclusive right-turn lane; and
      ii. Provide stop-control for southbound approach (Site Access 6) restricted to right-in,right-out operations.

   j. Mitchell Mill and Site Access 7:
      i. Construct the southbound approach (Site Access 7) with one ingress lane and one egress lane;
      ii. Provide stop-control for southbound approach (Site Access 7); and
      iii. Construct an exclusive eastbound (Mitchell Mill Road) left-turn lane with at least 100 feet of storage and appropriate decel and taper.

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

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

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

Conditions Applicable to Dwelling, Single Family, Detached only:

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

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

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

Conditions Applicable to the NC-CZ District only:

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

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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-1.1

02 OF 133

GENERAL CONSTRUCTION NOTES:

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

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
&	AND
℄	CENTERLINE
Ø	DIAMETER OR ROUND
ℙ	PROPERTY LINE
ABC	AGGREGATE BASE ASPH ASPHALT
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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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

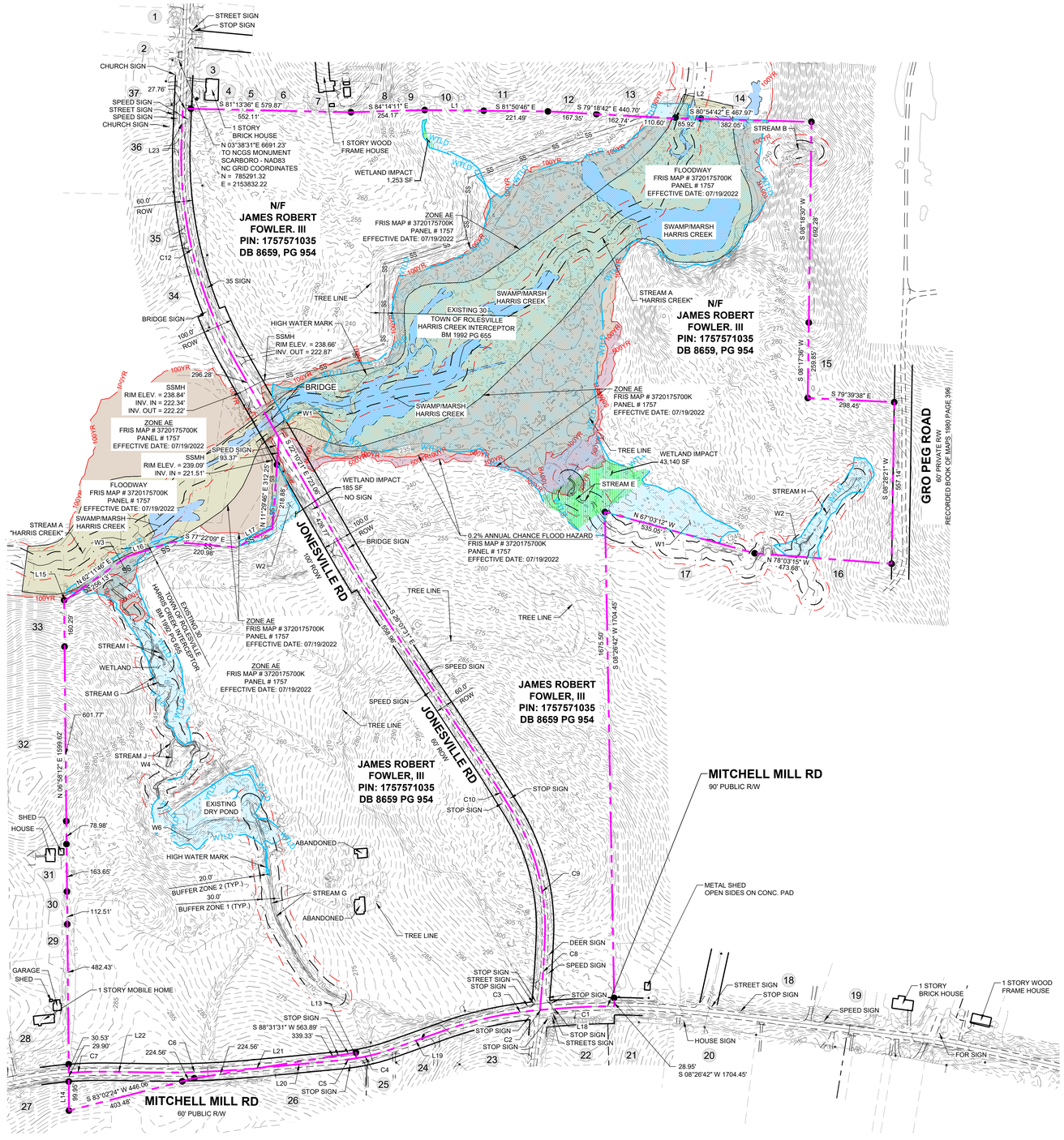
DRAWING / SHEET
C-2.0

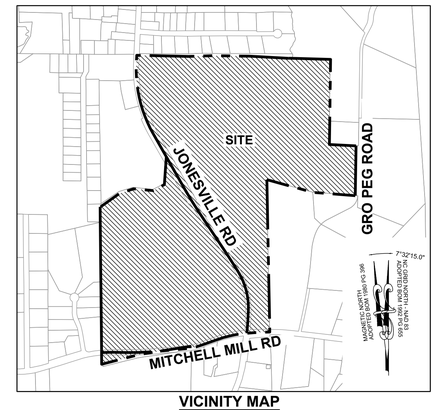
PROGRESS PLOT DATE: 06/04/2024

ADJOINER INFORMATION			
1	CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421 ZONING: R-30 (WC) USE: SF	20	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
2	ABRAHAM T.BURNHAM ANDKYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734 ZONING: R-30 (WC) USE: SF	21	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757641415 DB 5344 PG 819 ZONING: R-30 (WC) USE: VA
3	JOE L. GREEN PIN: 1757483799 DB 15-E PG 2691 ZONING: R-30 (WC) USE: SF	22	CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON PIN: 1757556361 DB 17855 PG 457 LOT 4 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
4	CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES PIN: 1757484609 DB 2305 PG 673 ZONING: R-30 (WC) USE: SF	23	ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS PIN: 1757553215 DB 17220 PG 2509 LOT 3 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
5	BENJAMIN FERRELL PIN: 1757485713 DB 1697 PG 465 ZONING: R-30 (WC) USE: SF	24	TODD KENDALL HONEYCUTT PIN: 1757551202 DB 13474 PG 1974 LOT 2 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
6	ALESHIA FERRELL & ARRON WALKER PIN: 1757486733 DB 6374 PG 89 BM 1996 PG 00524 ZONING: R-30 (WC) USE: SF	25	CURTIS L. HONEYCUTT AND WIFE TODD KENDALL PIN: 1757540996 DB 19269 PG 2474 LOT 1 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
7	CHRIST HOLINESS CHURCH #1 PIN: 1757487783 DB 2928 PG 326 ZONING: R-30 (WC) USE: CH	26	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868 ZONING: R-30 (WC) USE: FO
8	CHRIST HOLINESS CHURCH #1 PIN: 1757489733 DB 4321 PG 788 ZONING: R-30 (WC) USE: VA	27	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 ZONING: R-30 (WC) USE: FO
9	CHRIST HOLINESS CHURCH #1 PIN: 1757580764 DB 9467 PG 430 ZONING: R-30 (WC) USE: VA	28	PERR Y.ELWOOD RYAN PIN: 1757357582 DB 19292 PG 2780 ZONING: R-30 (WC) USE: MO
10	ALICIA BROWN & CARL T. JONES PIN: 1757582714 DB 16128 PG 183 ZONING: R-30 (WC) USE: SF	29	TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE PIN: 1757357764 DB 9236 PG 2229 LOT 3 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
11	RS RENTAL II LLC PIN: 1757584724 DB 18703 PG 2414 BM 1981 PG 894 ZONING: R-30 (WC) USE: SF	30	BERNARD MILLER PIN: 1757357865 DB 15416 PG 1651 LOT 4 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
12	KAREN E. BASS PIN: 1757586704 DB 12560 PG 1626 BM 1984 PG 943 ZONING: R-30 (WC) USE: SF	31	MARCIE L. HOLDEN PIN: 1757358908 DB 15599 PG 1003 LOT 5 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
13	JAMES K. WILLIAMS PIN: 1757588784 DB 16784 PG 1013 BM 1989 PG 01474 ZONING: R-30 (WC) USE: VA	32	MEGAN KULAWIAK PIN: 1757367367 DB 16226 PG 1133 LOT 6 BM 1990 PG 00387 ZONING: R-30 (WC) USE: VA
14	GRO PEG PROPERTIES LLC PIN: 1757684697 DB 18359 PG 1707 LOT 5 - BM 1980 PG 00396 ZONING: R-30 (WC) USE: VA	33	KENNETH INVESTMENT LLC. PIN: 1757368816 DB 19248 PG 1884 ZONING: R-30 (WC) USE: VA
15	SCOTT & THERESA CARLE PIN: 1757675786 DB 14863 PG 2493 LOT 4A- BM 1980 PG 00396 ZONING: R-30 (WC) USE: VA	34	KENNETH INVESTMENT LLC PIN: 1757471559 DB 19248 PG 1884 LOT - BM 2007 PG 01224 ZONING: R-30 (WC) USE: VA
16	GRO PEG PROPERTIES PIN: 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





VICINITY MAP

1" = 800'

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 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

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

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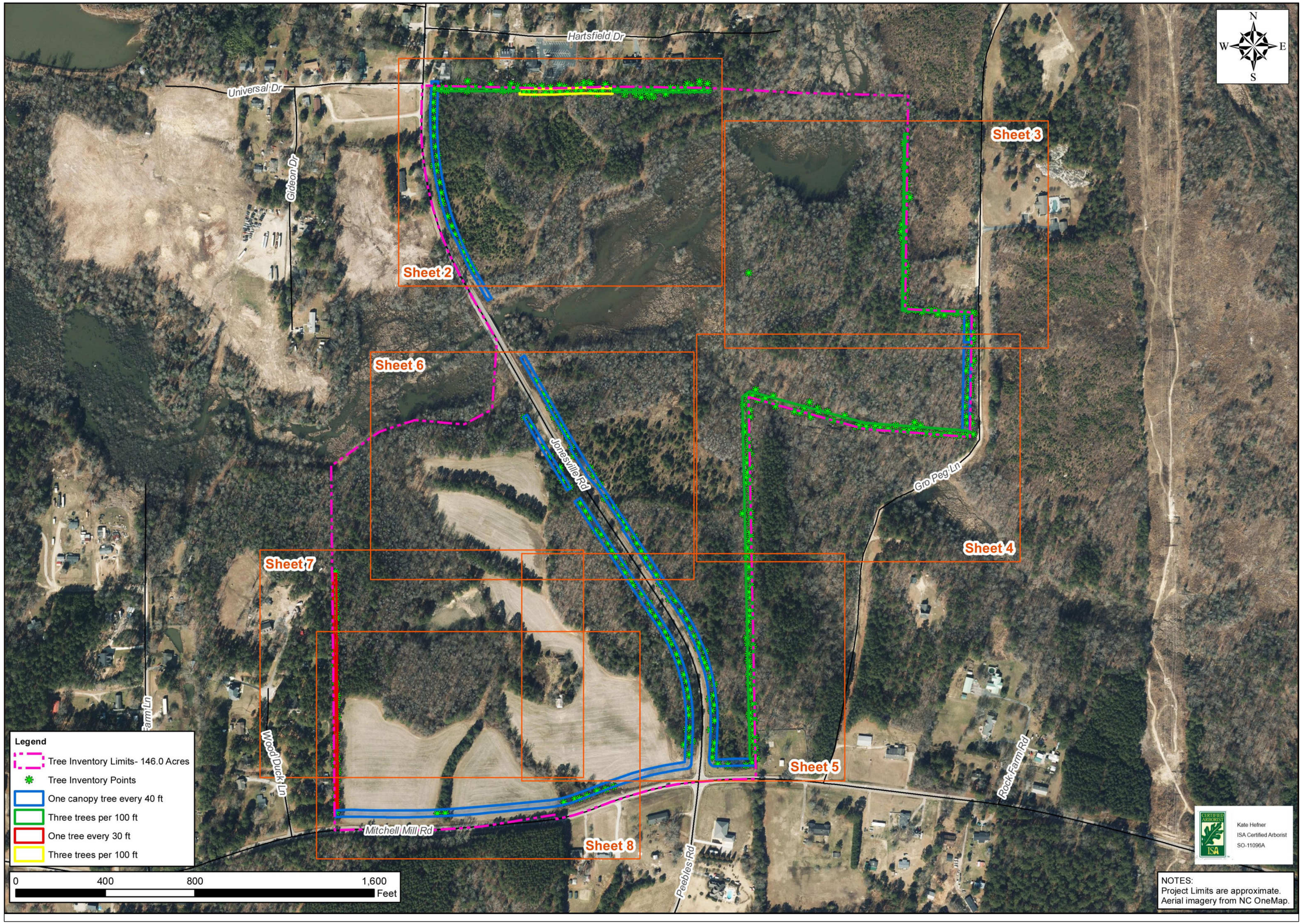
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

EXISTING CONDITIONS PLAN

DRAWING SHEET
C-3.0

05 OF 133

PROGRESS PLOT DATE: 06/04/2024



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CONSTRUCTION PLANS

OVERALL TREE INVENTORY MAP

DRAWING SHEET

C-3.1

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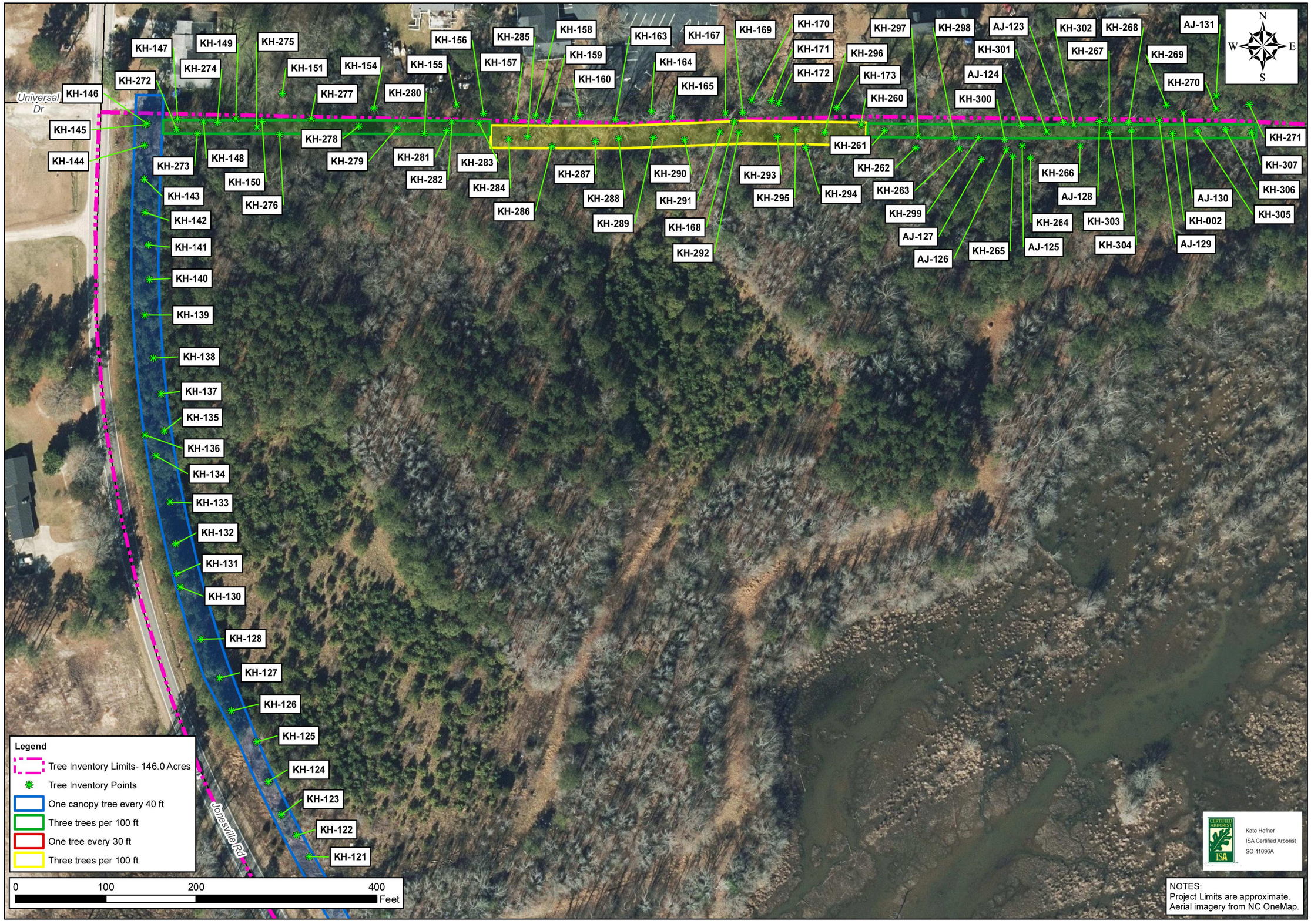

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PARTIAL TREE INVENTORY MAP I

DRAWING SHEET
C-3.2

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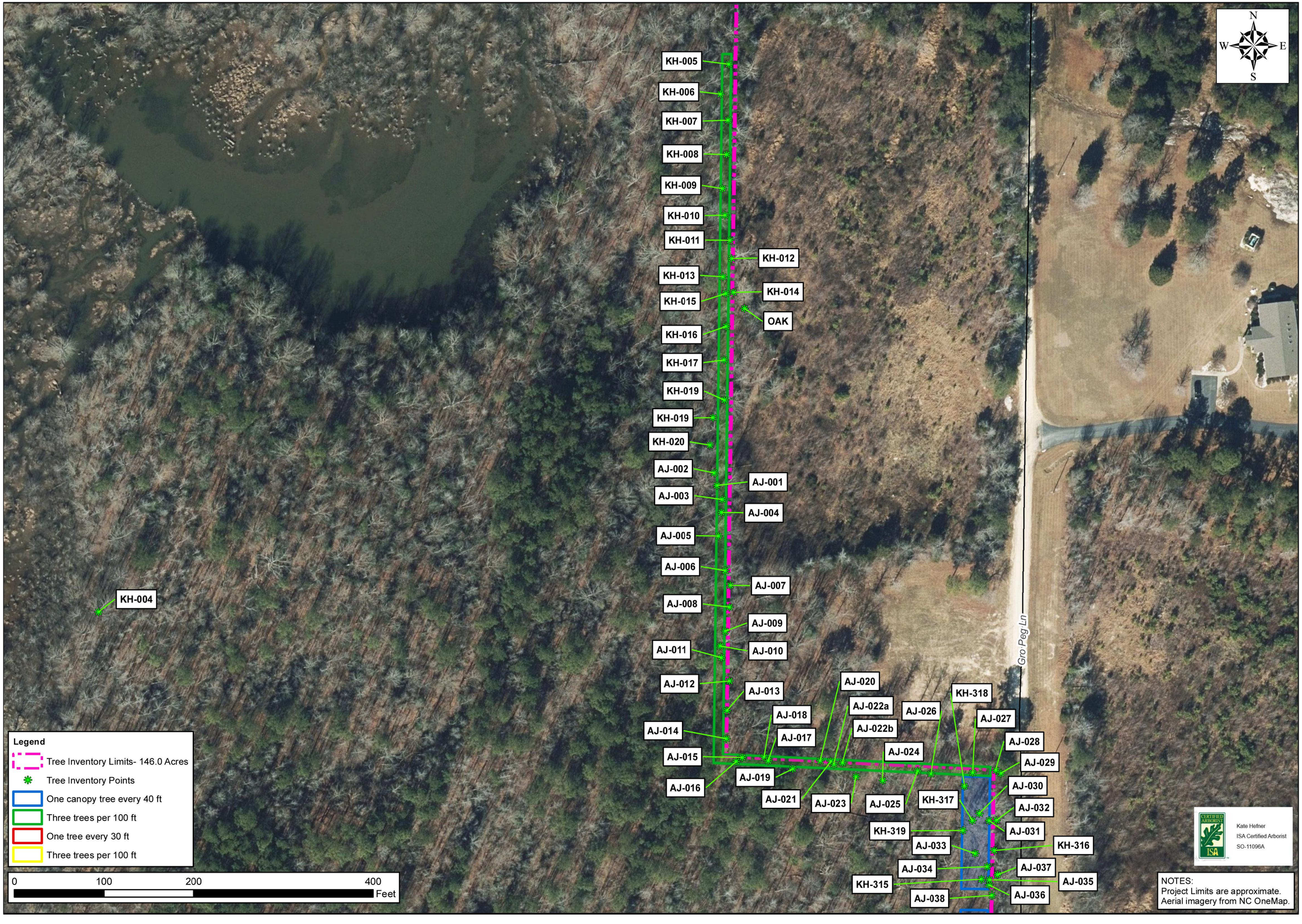

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CONSTRUCTION PLANS

PARTIAL TREE INVENTORY MAP II

DRAWING SHEET

C-3.3

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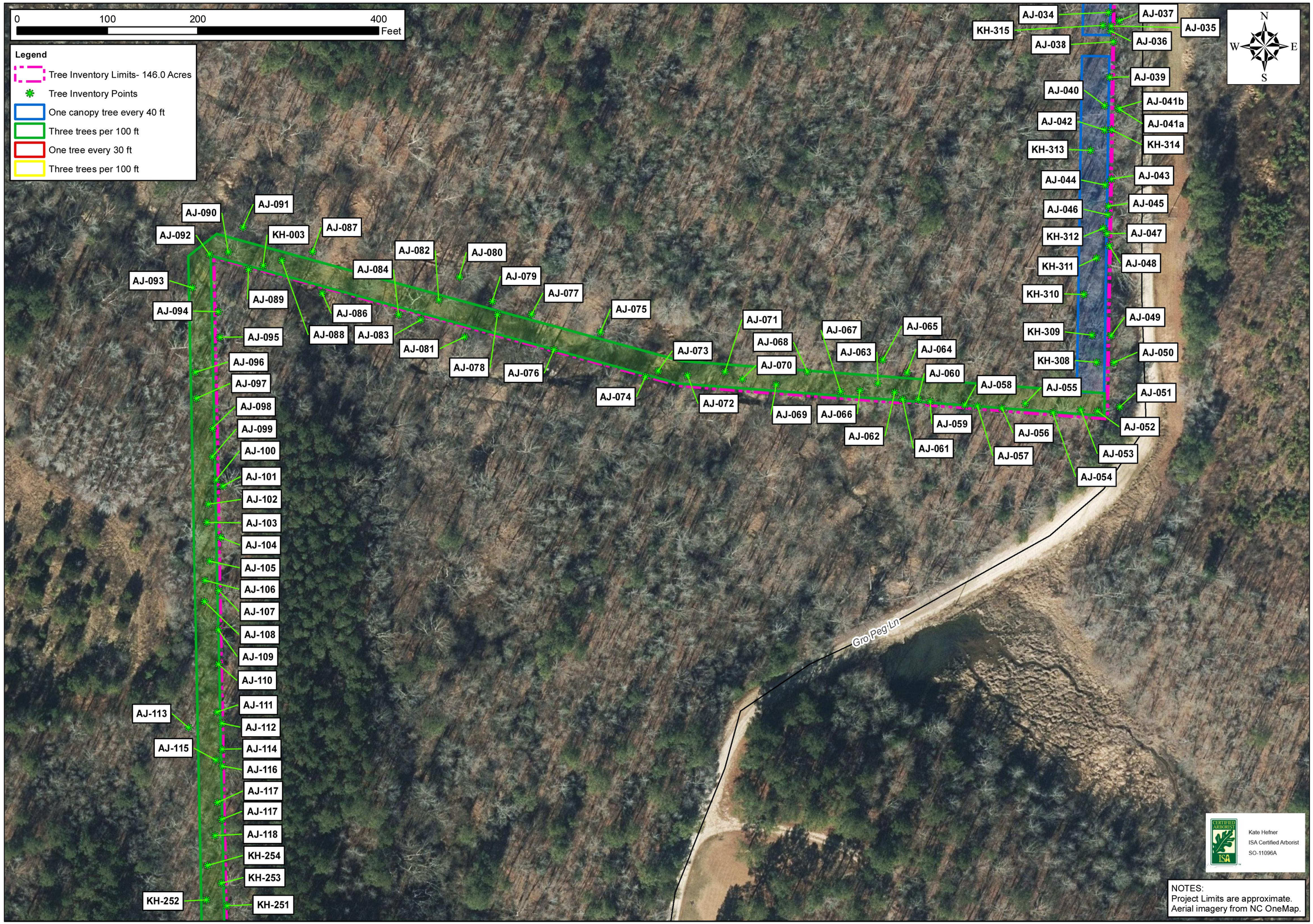

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CONSTRUCTION PLANS

PARTIAL TREE INVENTORY MAP III

DRAWING SHEET
C-3.4

PROGRESS PLOT DATE: 06/04/2024

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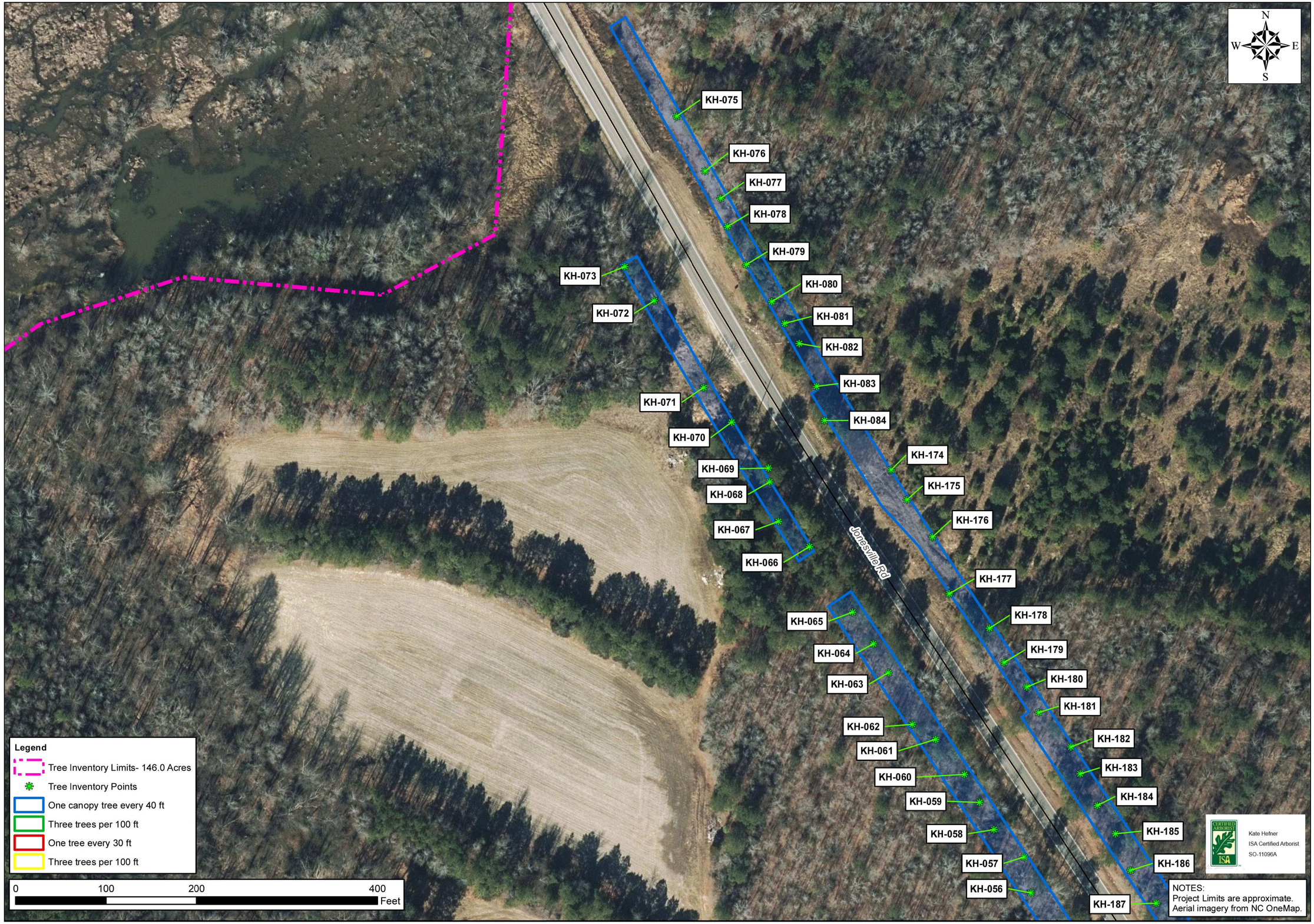
CONSTRUCTION PLANS

PARTIAL TREE INVENTORY MAP IV

DRAWING SHEET
C-3.5



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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL TREE INVENTORY MAP V

DRAWING SHEET
C-3.6

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STRONG ROCK PROJECT	PSP-23-03
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL TREE INVENTORY MAP VI

DRAWING SHEET
C-3.7

PROGRESS PLOT DATE: 06/04/2024

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

PARTIAL TREE INVENTORY MAP VII

DRAWING SHEET

C-3.8

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

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

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

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

Tree Code	Botanical Name	DBH	Condition Overall
KH-132	PITA	5"	Good
KH-133	PITA	8"	Good
KH-134	PITA	14"	Good
KH-135	QUNI	7"	Good
KH-136	PITA	29"	Good
KH-137	PITA	11"	Good
KH-138	QUNI	5"	Good
KH-139	QUNI	4"	Fair
KH-140	PITA	8"	Good
KH-141	LIST	5"	Good
KH-142	PITA	14"	Good
KH-143	ULRU	10"	Good
KH-144	QUNI	8"	Good
KH-145	PITA	24"	Good
KH-146	QUNI	7"	Good
KH-147	QUNI	12"	Good
KH-148	QUNI	14"	Good
KH-149	ULRU	7"	Good
KH-150	LISI	3"	Fair
KH-151	ULRU	9"	Good
KH-154	MORU	10"	Fair
KH-155	ULRU	13"	Good
KH-156	PITA	31"	Good
KH-157	PRSE	9"	Good
KH-158	QURU	37"	Excellent
KH-159	LIST	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	8"	Good
KH-193	QUAL	4"	Good
KH-194	PRSE	6/5"	Good
KH-195	QUNI	7"	Good
KH-196	PRSE	7"	Good
KH-197	PITA	20"	Good
KH-198	PITA	14"	Good
KH-199	PITA	14"	Good
KH-200	PITA	20"	Good

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

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

5109 Mitchell Mill Road – Tree Inventory Species List

ACRU - Acer rubrum
CACA - Carpinus caroliniana
CATO - Carya tomentosa
COFL - Cornus florida
DIVI - Diospyros virginiana
FRPE - Fraxinus pennsylvanica
ILOP - Ilex opaca
JUVI - Juniperus virginiana
LISI - Ligustrum sinense
LIST - Liquidambar styraciflua
LITU - Liriodendron tulipifera
MORU - Morus rubra
NYSY – Nyssa sylvatica
OXAR - Oxydendrum arboreum
PITA - Pinus taeda
PLOC - Platanus occidentalis
PLOR - Platyladus 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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SEAL
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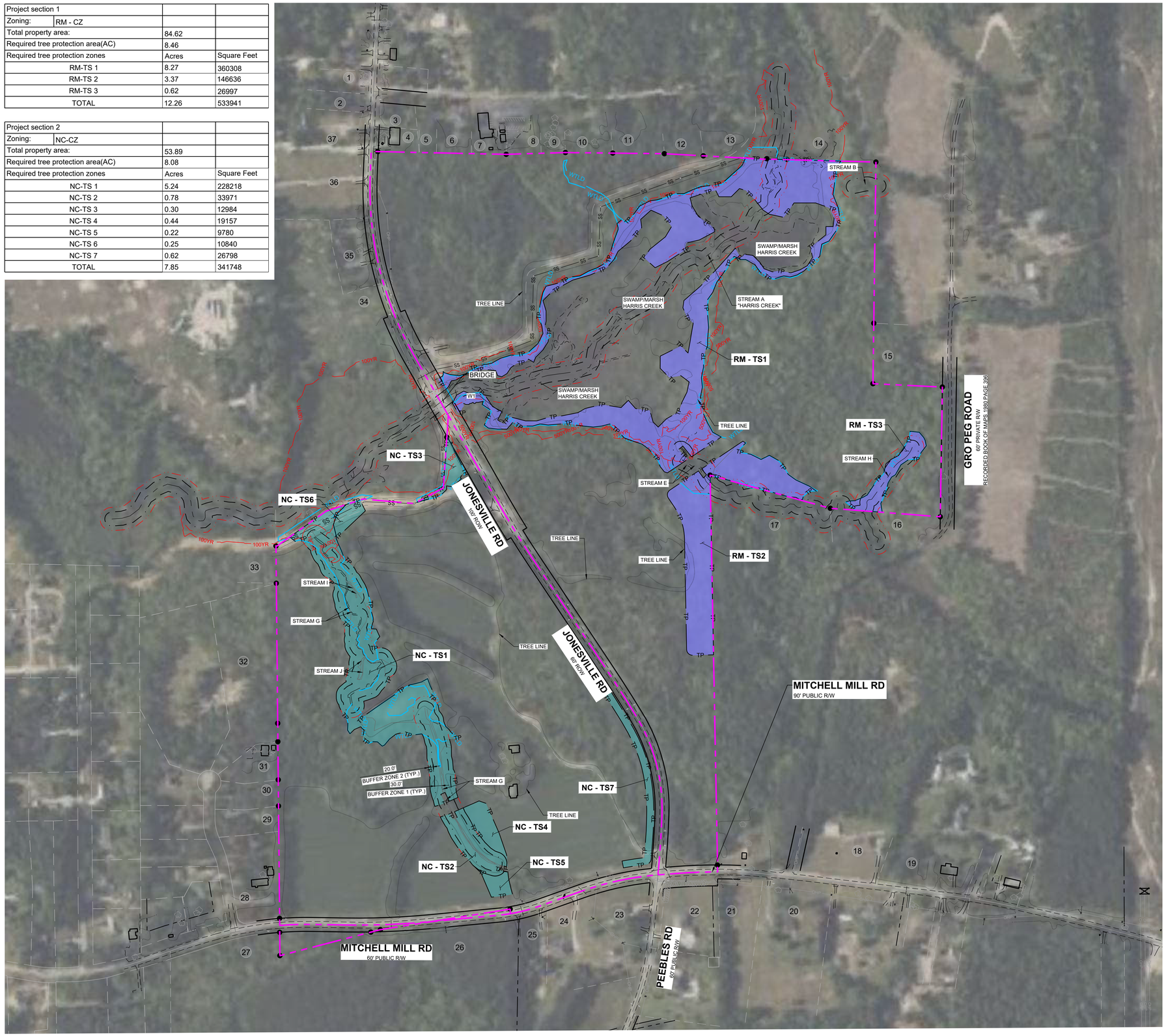
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

TREE PROTECTION PLAN

DRAWING SHEET
C-3.9

Project section 1			
Zoning:	RM - CZ		
Total property area:		84.62	
Required tree protection area(AC)		8.46	
Required tree protection zones		Acres	Square Feet
RM-TS 1		8.27	360308
RM-TS 2		3.37	146636
RM-TS 3		0.62	26997
TOTAL		12.26	533941

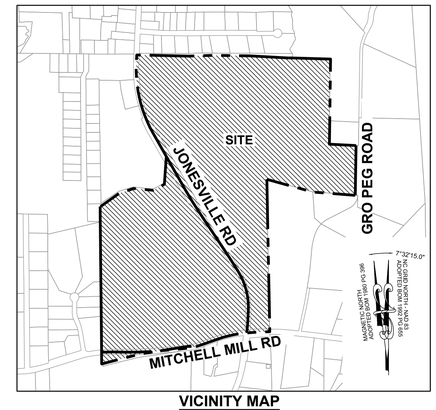
Project section 2			
Zoning:	NC-CZ		
Total property area:		53.89	
Required tree protection area(AC)		8.08	
Required tree protection zones		Acres	Square Feet
NC-TS 1		5.24	228218
NC-TS 2		0.78	33971
NC-TS 3		0.30	12984
NC-TS 4		0.44	19157
NC-TS 5		0.22	9780
NC-TS 6		0.25	10840
NC-TS 7		0.62	26798
TOTAL		7.85	341748



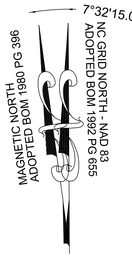
NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

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



VICINITY MAP
1" = 800'



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

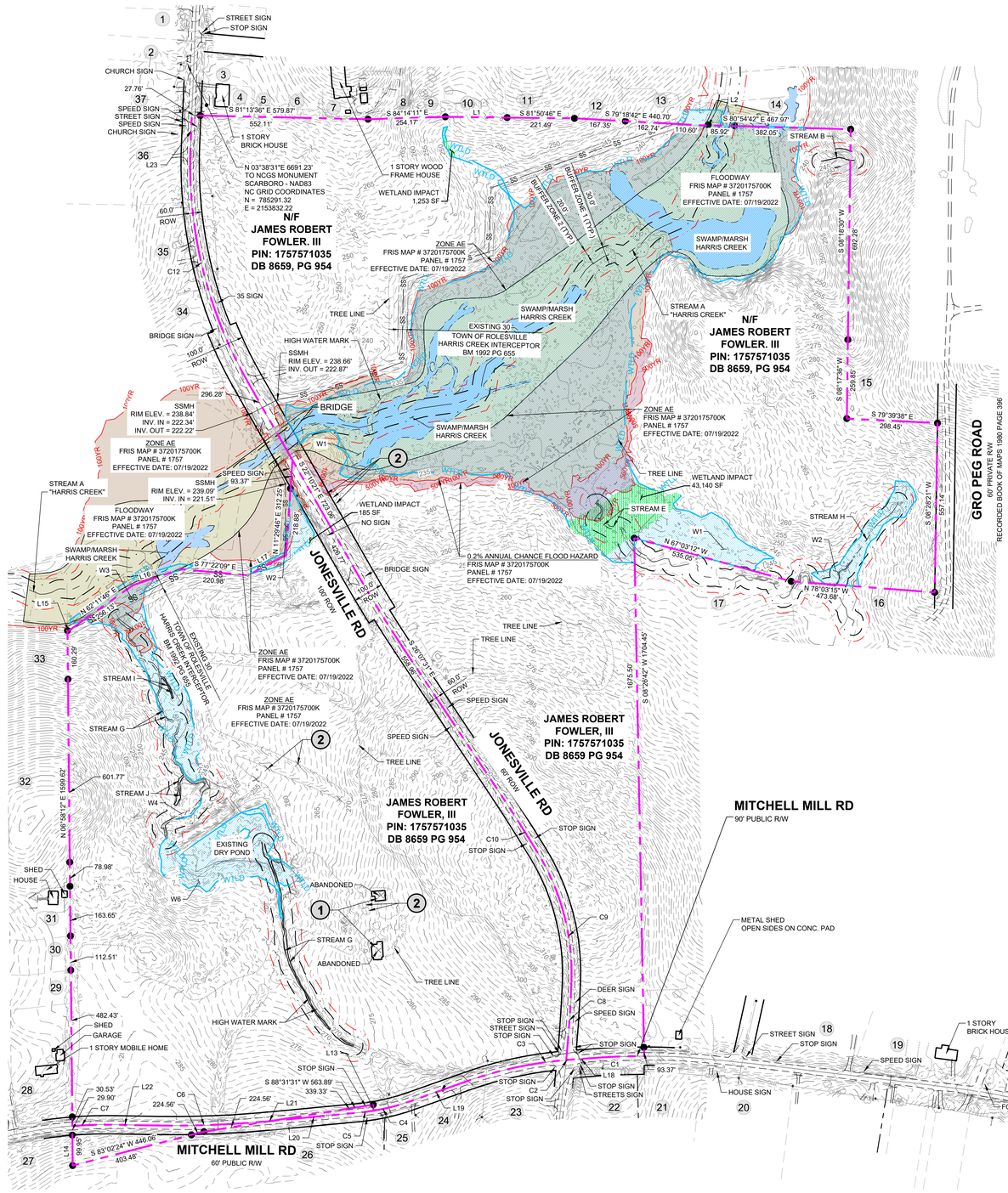
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
TREE PROTECTION PLAN

DRAWING SHEET
C-3.10

15 OF 133

ADJOINER INFORMATION

1	CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421 ZONING: R-30 (WC) USE: SF	20	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
2	ABRAHAM T.BURNHAM ANDKYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734 ZONING: R-30 (WC) USE: SF	21	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757641415 DB 5344 PG 819 ZONING: R-30 (WC) USE: VA
3	JOE L. GREEN PIN: 1757483799 DB 15-E PG 2691 ZONING: R-30 (WC) USE: SF	22	CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON PIN: 1757556361 DB 17855 PG 457 LOT 4 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
4	CHARLES ALFONSA JONES AND WIFE ALLIE V.JONES PIN: 1757484609 DB 2305 PG 673 ZONING: R-30 (WC) USE: SF	23	ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS PIN: 1757553215 DB 17220 PG 2509 LOT 3 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
5	BENJAMIN FERRELL PIN: 1757485713 DB 1697 PG 465 ZONING: R-30 (WC) USE: SF	24	TODD KENDALL HONEYCUTT PIN: 1757551202 DB 13474 PG 1974 LOT 2 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
6	ALESHIA FERRELL & ARRON WALKER PIN: 1757486733 DB 6374 PG 89 BM 1996 PG 00524 ZONING: R-30 (WC) USE: SF	25	CURTIS L. HONEYCUTT AND WIFE TODD KENDALL PIN: 1757540996 DB 19269 PG 2474 LOT 1 - BM 2018 PG 1333 ZONING: R-30 (WC) USE: SF
7	CHRIST HOLINESS CHURCH #1 PIN: 1757487783 DB 2928 PG 328 ZONING: R-30 (WC) USE: CH	26	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868 ZONING: R-30 (WC) USE: FO
8	CHRIST HOLINESS CHURCH #1 PIN: 1757489733 DB 4321 PG 788 ZONING: R-30 (WC) USE: VA	27	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 ZONING: R-30 (WC) USE: FO
9	CHRIST HOLINESS CHURCH #1 PIN: 1757580764 DB 9467 PG 430 ZONING: R-30 (WC) USE: VA	28	PERR Y.ELWOOD RYAN PIN: 1757357582 DB 19292 PG 2780 ZONING: R-30 (WC) USE: MO
10	ALICIA BROWN & CARL T. JONES PIN: 1757582714 DB 16128 PG 183 ZONING: R-30 (WC) USE: SF	29	TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE PIN: 1757357764 DB 9236 PG 2229 LOT 3 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
11	RS RENTAL II LLC PIN: 1757594724 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 1682 PG 342 ZONING: R-30 (WC) USE: SF		


STREET SIGN
STOP SIGN
CHURCH SIGN
27.76'
SPEED SIGN
STREET SIGN
SPEED SIGN
CHURCH SIGN
1 STORY BRICK HOUSE
N 03°38'31"E 6691.23' TO NCGS MONUMENT SCARBORO - NAD83 NC GRID COORDINATES N = 785291.32 E = 2153832.22
N/F JAMES ROBERT FOWLER. III PIN: 1757571035 DB 8659, PG 954
1 STORY WOOD FRAME HOUSE
WETLAND IMPACT 1,253 SF
FLOODWAY FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
SWAMP/MARSH HARRIS CREEK
STREAM B
ZONE AE FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)
35 SIGN
TREE LINE
HIGH WATER MARK
BRIDGE SIGN
60.0' ROW
SSMH RIM ELEV. = 238.66' INV. OUT = 222.87'
EXISTING 30" TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
STREAM A "HARRIS CREEK"
BRIDGE
296.28'
SSMH RIM ELEV. = 238.84' INV. IN = 222.34' INV. OUT = 222.22'
ZONE AE FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
SPEED SIGN 93.37'
SSMH RIM ELEV. = 239.09' INV. IN = 221.51'
FLOODWAY FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
WETLAND IMPACT 185 SF
NO SIGN
STREAM E
WETLAND IMPACT 43,140 SF
STREAM H
0.2% ANNUAL CHANCE FLOOD HAZARD FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
BRIDGE SIGN
JONESVILLE RD
100' ROW
ZONE AE FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
EXISTING 30" TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
STREAM I
STREAM G
ZONE AE FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022
SPEED SIGN
TREE LINE
JAMES ROBERT FOWLER, III PIN: 1757571035 DB 8659 PG 954
JONESVILLE RD 60' ROW
STOP SIGN
C10
MITCHELL MILL RD
90' PUBLIC R/W
STREAM J
W4
EXISTING DRY POND
SHED
HOUSE
78.98'
ABANDONED
W6
163.65'
STREAM G
ABANDONED
112.51'
METAL SHED OPEN SIDES ON CONC. PAD
TREE LINE
DEER SIGN
C8
SPEED SIGN
482.43'
SHED
GARAGE
1 STORY MOBILE HOME
HIGH WATER MARK
STOP SIGN
STREET SIGN
STOP SIGN
C3
STOP SIGN
L13
STOP SIGN
C1
93.37'
L18
STOP SIGN
STREETS SIGN
C2
STOP SIGN
HOUSE SIGN
STREET SIGN
STOP SIGN
SPEED SIGN
1 STORY BRICK HOUSE
1 STORY WOOD FRAME HOUSE
FOR SIGN
S 88°31'31" W 563.89'
339.33'
30.53'
29.90'
C7
224.56'
C6
224.56'
L21
L22
L20
C5
C4
L19
L14
99.60'
S 83°02'24" W 446.06'
403.48'
MITCHELL MILL RD
60' PUBLIC R/W
GRO PEG ROAD
60' PRIVATE R/W
RECORDED BOOK OF MAPS 1980 PAGE 396
S 81°13'36" E 579.87'
552.11'
S 84°14'11" E 254.17'
S 81°50'46" E 221.49'
S 79°18'42" E 440.70'
167.35'
162.74'
110.60'
85.92'
S 80°54'42" E 467.97'
382.05'
S 06°15'36" W 692.26'
S 06°17'36" W 259.85'
S 79°39'38" E 298.45'
S 06°29'21" W 557.14'
N 67°03'12" W 536.05'
N 78°03'15" W 473.68'
S 28°07'11" E 1075.56'
S 08°26'42" W 1704.45'
N 06°58'12" E 1599.62'
601.77'
N 65°11'46" E 265.15'
L15
L16
W1
W2
W3
S 77°22'09" E 220.98'
N 11°29'48" E 312.25'
218.85'
S 37°10'21" E 729.06'
426.17'
L17
TREE LINE
TREE LINE
SPEED SIGN
TREE LINE
SPEED SIGN
TREE LINE
STOP SIGN
STOP SIGN
STOP SIGN

PROGRESS PLOT DATE: 06/04/2024

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	PENDULUM STREET	1264.52'	N0°23'26"W	10+00.00	22+64.52
L2	PENDULUM STREET	145.12'	S89°36'34"W	22+64.53	24+09.64
L3	YELLOW MOON COURT	282.58'	N89°36'34"E	10+00.00	12+82.58
L4	YELLOW MOON COURT	269.10'	N85°56'51"E	13+46.50	16+15.59
L5	YELLOW MOON COURT	28.00'	N4°03'09"W	16+15.60	16+43.59
L6	EVEN FLOW LANE	398.73'	N90°00'00"E	10+00.00	13+98.73
L7	EVEN FLOW LANE	167.06'	N66°21'40"E	16+05.02	17+72.08
L8	OCEANS COURT	115.42'	N14°39'30"W	10+00.00	11+15.42
L9	OCEANS COURT	17.18'	N2°10'11"W	11+91.71	12+08.88
L10	OCEANS COURT	288.95'	N23°37'43"W	13+24.99	16+13.93
L11	OCEANS COURT	76.14'	N8°29'13"W	17+46.08	18+22.21
L12	OCEANS COURT	274.64'	N33°36'56"W	19+58.17	22+32.81
L13	OCEANS COURT	56.04'	N10°59'05"W	23+55.26	24+11.30
L14	OCEANS COURT	103.92'	N10°59'05"W	24+11.31	25+15.22
L15	OCEANS COURT	30.91'	N10°59'05"W	25+15.22	25+46.13
L16	MCCREADY COURT	116.47'	S56°12'22"W	10+00.00	11+16.47
L17	MCCREADY COURT	351.71'	S79°05'59"W	12+40.34	15+92.05
L18	VEDDER LANE	7.54'	N12°48'44"W	10+00.00	10+07.54
L19	VEDDER LANE	169.36'	N33°39'46"W	10+91.24	12+60.59
L20	BETTERMAN DRIVE	205.88'	S56°21'23"W	10+00.00	12+05.88
L21	BETTERMAN DRIVE	298.92'	S81°30'47"W	13+59.56	16+58.48
L22	LIGHTING BOLT LANE	1222.94'	N56°12'22"E	10+00.00	22+22.94
L23	LIGHTING BOLT LANE	451.93'	S87°11'53"E	25+42.30	29+94.22
L24	GIGATON STREET	175.00'	S33°46'39"E	10+00.00	11+75.00
L25	GIGATON STREET	70.05'	S32°03'33"E	12+05.00	12+75.05
L26	GIGATON STREET	406.86'	S33°46'39"E	13+05.04	17+11.90
L27	GIGATON STREET	68.95'	S1°05'25"E	18+43.12	19+12.07
L28	COUNTER STREET	103.46'	S33°47'38"E	10+00.00	11+03.46
L29	COUNTER STREET	530.88'	S1°05'25"E	12+34.74	17+65.61

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L30	UNPLUGGED AVENUE	176.90'	N33°46'39"W	10+00.00	11+76.90
L31	UNPLUGGED AVENUE	348.89'	N56°12'22"E	11+76.90	15+25.79
L32	UNPLUGGED AVENUE	28.00'	N33°47'38"W	15+25.79	15+53.79
L33	SUPERSONIC WAY	11.85'	N28°40'26"W	10+00.00	10+11.85
L34	SUPERSONIC WAY	264.97'	N0°41'10"E	11+29.71	13+94.68
L35	SUPERSONIC WAY	258.23'	S89°18'50"E	13+94.68	16+52.91
L36	LUKIN LANE	434.34'	N0°41'10"E	10+00.00	14+34.34
L37	PARACHUTE PLACE	61.73'	S28°40'26"E	10+00.00	10+61.73
L38	PARACHUTE PLACE	2.61'	N59°15'52"E	14+31.29	14+33.90
L39	PARACHUTE PLACE	4.68'	N2°48'07"E	16+60.56	16+65.24
L40	CORNELL GARDEN STREET	491.62'	N65°38'58"E	10+00.00	14+91.62
L41	CORNELL GARDEN STREET	27.48'	N0°01'05"W	19+50.07	19+77.54
L42	SOUNDGARDEN COURT	802.07'	N89°58'55"E	10+00.00	18+02.07
L43	MONKEYWRENCH STREET	85.37'	S88°54'35"W	10+00.00	10+85.37
L44	MONKEYWRENCH STREET	2.12'	S56°13'21"W	12+16.59	12+18.71
L45	PUBLIC ALLEY '1'	22.33'	S12°40'02"E	10+00.00	10+22.33
L46	PUBLIC ALLEY '1'	341.67'	S33°36'56"E	10+77.18	14+18.84
L47	PUBLIC ALLEY '1'	125.34'	S23°26'24"E	14+45.48	15+70.82
L48	PUBLIC ALLEY '2'	16.09'	N56°23'04"E	10+00.00	10+16.09
L49	PUBLIC ALLEY '2'	303.00'	N79°05'59"E	10+75.57	13+78.57
L50	PUBLIC ALLEY '2'	111.56'	N56°23'04"E	14+38.04	15+49.60
L51	PUBLIC ALLEY '3'	20.01'	N56°23'04"E	10+00.00	10+20.01
L52	PUBLIC ALLEY '3'	225.68'	N81°30'47"E	10+85.80	13+11.48
L53	PUBLIC ALLEY '3'	163.72'	N56°21'23"E	13+77.34	15+41.05
L54	PUBLIC ALLEY '3'	22.86'	N33°38'37"W	15+41.06	15+63.92
L55	PUBLIC ALLEY '3'	32.89'	N25°36'48"W	15+84.95	16+17.83
L56	PUBLIC ALLEY '3'	192.60'	N33°36'56"W	16+38.79	18+31.38
L57	PUBLIC ALLEY '4'	120.13'	N79°05'59"E	10+00.00	11+20.13
L58	PUBLIC ALLEY '4'	355.03'	N58°06'55"E	11+75.08	15+30.10

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	YELLOW MOON COURT	1000.00'	63.91'	63.90'	N87°46'43"E	12+82.58	13+46.49
C2	EVEN FLOW LANE	500.00'	206.29'	204.83'	N78°10'50"E	13+98.73	16+05.02
C3	OCEANS COURT	350.00'	76.29'	76.14'	N8°24'51"W	11+15.42	11+91.71
C4	OCEANS COURT	310.00'	116.10'	115.43'	N12°53'57"W	12+08.88	13+24.99
C5	OCEANS COURT	500.00'	132.14'	131.75'	N16°03'28"W	16+13.93	17+46.07
C6	OCEANS COURT	310.00'	135.96'	134.87'	N21°03'04"W	18+22.21	19+58.17
C7	OCEANS COURT	310.00'	122.44'	121.65'	N22°18'00"W	22+32.81	23+55.26
C8	MCCREADY COURT	310.00'	123.87'	123.04'	S67°39'11"W	11+16.47	12+40.33
C9	VEDDER LANE	230.00'	83.70'	83.24'	N23°14'15"W	10+07.54	10+91.24
C10	BETTERMAN DRIVE	350.00'	153.67'	152.44'	S68°56'05"W	12+05.88	13+59.56
C11	LIGHTING BOLT LANE	500.00'	319.36'	313.96'	N74°30'15"E	22+22.94	25+42.30
C12	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E	11+75.00	12+04.99
C13	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E	12+75.05	13+05.04
C14	GIGATON STREET	230.00'	131.21'	129.44'	S17°26'02"E	17+11.90	18+43.12
C15	COUNTER STREET	230.00'	131.28'	129.51'	S17°26'31"E	11+03.46	12+34.74
C16	SUPERSONIC WAY	230.00'	117.86'	116.57'	N13°59'38"W	10+11.85	11+29.71
C17	PARACHUTE PLACE	230.00'	369.56'	331.07'	S74°42'17"E	10+61.73	14+31.29
C18	PARACHUTE PLACE	230.00'	226.66'	217.60'	N31°02'00"E	14+33.90	16+60.56
C19	CORNELL GARDEN STREET	400.00'	458.45'	433.76'	N32°48'56"E	14+91.62	19+50.06
C20	FUTURE DAYS WAY	1250.00'	518.68'	514.96'	S11°25'57"E	10+00.00	15+18.68
C21	MONKEYWRENCH STREET	230.00'	131.21'	129.44'	S72°33'58"W	10+85.37	12+16.59
C22	PUBLIC ALLEY '1'	150.00'	54.84'	54.54'	S23°08'29"E	10+22.33	10+77.17
C23	PUBLIC ALLEY '1'	150.00'	26.64'	26.60'	S28°31'40"E	14+18.84	14+45.48
C24	PUBLIC ALLEY '2'	150.00'	59.47'	59.08'	N67°44'32"E	10+16.09	10+75.56
C25	PUBLIC ALLEY '2'	150.00'	59.47'	59.08'	N67°44'32"E	13+78.57	14+38.03

TOWNHOME NOTES:

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

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS
SEE SHEET ##### FOR ADJACENT PROPERTY DETAILS

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C26	PUBLIC ALLEY '3'	150.00'	65.79'	65.26'	N68°56'56"E	10+20.01	10+85.79
C27	PUBLIC ALLEY '3'	150.00'	65.86'	65.33'	N68°56'05"E	13+11.48	13+77.34
C28	PUBLIC ALLEY '3'	150.00'	21.02'	21.01'	N29°37'42"W	15+63.92	15+84.94
C29	PUBLIC ALLEY '3'	150.00'	20.95'	20.93'	N29°36'52"W	16+17.83	16+38.78
C30	PUBLIC ALLEY '4'	150.00'	54.94'	54.63'	N68°36'27"E	11+20.13	11+75.07

3 - Update notes

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO ################## AND CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
2. ROADS AND DRIVEWAYS SHALL COMPLY WITH NCDOT AND ################## 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 ################## PRIOR TO ANY GRADING.
6. CONSTRUCTION DRAWINGS SHALL BE SUBMITTED AND APPROVED BY ################## 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 ##################.
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.

LEGEND:

- EXISTING PROPERTY LINE
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 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
- 30' STREET YARD BUFFER
- 15' TYPE II PERIMETER BUFFER
- 20' NC BUFFER
- OPEN SPACE
- WTLD — EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK
- GENERIC WOODEN PRIVACY FENCE
- TP — TREE PROTECTION FENCE

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

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

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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

STRONGROCK ENGINEERING GROUP

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

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

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

DRAWING SHEET
C-5.0

PROGRESS PLOT DATE: 06/04/2024

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

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

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

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

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

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

ALICIA BROWN & CAR 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 LL
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

7 - Striping is shown on this plan but signing is not clear. It appears stop signs are shown, but a signing/striping plan should be considered.

Additional signs to include (if applicable), but not limited to:
- Speed limit
- Pedestrian Crossings
- Dead End/Future Roadway
- No Parking

4 - Please confirm if the overhead power has an existing easement that will need to be removed during platting.

5 - Remove drainage easement from lot area calculations, TYP.

6 - All pedestrian ramps should be defined for what type/detail they should be constructed as; those details should be included.

10 - Sidewalk and sidepath cannot just end. Please revise. This was previously discussed, but please let us know if there are any concerns with revising.

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

PLAYFIELD
1.05 AC

COMMUNITY GARDEN AMENITY
1.59 AC

PRIVATE COMMUNITY PATH
INCLUDED IN COMMUNITY GARDEN
SITE PLAN SEPARATE SUBMITTAL

SCM #6
WET POND
32,067 SF
0.74 AC

MATCH LINE
FOR CONTINUATION, SEE C-5.2

MATCH LINE
FOR CONTINUATION, SEE C-5.4

30.0' STREET YARD BUFFER
10'X70' SIGHT DISTANCE TRIANGLES
CROSSWALK (TYP.)
SIDE SETBACK (TYP.)
20.0' PUBLIC DRAINAGE EASEMENT
PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT
STOP BAR (TYP.)
20.0' PRIVATE DRAINAGE EASEMENT
SIDEWALK
SIDE PATH
20.0' DRAINAGE & ACCESS EASEMENT
WHEELCHAIR RAMPS (TYP.)
PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT
THE OVERHEAD POWER WILL BE RELOCATED
GENERIC WOODEN PRIVACY FENCE 6' TALL
PROPERTY LINE
TYPE II PERIMETER BUFFER
RET. WALL BY OTHERS (TYP.)
30.0' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
SCM MAINTENANCE EASEMENT
SWAMP/MARSH HARRIS CREEK
STREAM A "HARRIS CREEK"
FLOODZONE AE
FLOODWAY
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)

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

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

SITE KEY PLAN

LEGEND:

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

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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-5.1

18 OF 133

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

COMMUNITY GARDEN AMENITY
1.59 AC

PRIVATE COMMUNITY PATH INCLUDED IN COMMUNITY GARDEN SITE PLAN SEPARATE SUBMITTAL

MATCH LINE
FOR CONTINUATION, SEE C-5.1

STREAM A "HARRIS CREEK"

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

STREAM B

SCM MAINTENANCE EASEMENT

GENERIC WOODEN PRIVACY FENCE 6' TALL

8 - Please confirm if access will be available through the plantings in the buffer. Consider aligning the access easement with the greenway.

10.0' GREENWAY TRAIL

SCM #5
WET POND
12,454 SF
0.29 AC

10.0' BERM

RET. WALL BY OTHERS (TYP.)

TOWN OF ROLESVILLE SEWER INTERCEPTOR 30.0' EXISTING CREEK INTERCEPTOR BM 1992 PG 659

STREAM A "HARRIS CREEK"

FLOODWAY

SWAMP/MARSH HARRIS CREEK

BUFFER ZONE 2 (TYP.) 20.0'

BUFFER ZONE 1 (TYP.) 30.0'

W1

SWAMP/MARSH HARRIS CREEK

30.0' GREENWAY EASEMENT

10.0' GREENWAY

20.0' PRIVATE DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

SUPERSONIC WAY
50' PUBLIC R/W

PARKOUR COURSE
3.01 AC

SIDE SETBACK (TYP.) 5.0'

WHEELCHAIR RAMPS (TYP.)

CROSSWALK (TYP.)

5.0' SIDEWALK

SIDE SETBACK (TYP.) 5.0'

20.0' PUBLIC DRAINAGE EASEMENT

LUKIN LANE
50' PUBLIC R/W

SCM MAINTENANCE EASEMENT

FLOOD ZONE AE

10.0' BERM

10.0' GREENWAY TRAIL

SUPERSONIC WAY
50' PUBLIC R/W

SCM #4
WET POND
25,773 SF
0.59 AC

MATCH LINE
FOR CONTINUATION, SEE C-5.3

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

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

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

SITE KEY PLAN

LEGEND:

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

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-5.2

PROGRESS PLOT DATE: 06/04/2024

FLOODWAY
STREAM A "HARRIS CREEK"
W1
SCM MAINTENANCE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
100YR
500YR
FLOODZONE AE
0.2% ANNUAL CHANCE FLOOD HAZARD

MATCH LINE
FOR CONTINUATION, SEE C-5.2

MATCH LINE
FOR CONTINUATION, SEE C-5.4

SCM #4
WET POND
25,773 SF
0.59 AC

10.0' BERM
10.0' GREENWAY TRAIL
30.0' GREENWAY EASEMENT
30.0' SANITARY SEWER EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' DRAINAGE & ACCESS EASEMENT

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

LIGHTING BOLT LANE
67' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

PARACHUTE PLACE
50' PUBLIC R/W

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

COUNTER STREET
50' PUBLIC R/W

POCKET PARK
0.23 AC

AMENITY CENTER
1.51 AC

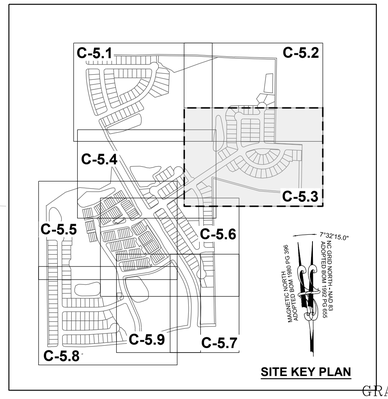
WHEELCHAIR RAMPS (TYP.)
5.0' SIDEWALK
CROSSWALK (TYP.)
SIDEWALK (TYP.)
SIDE SETBACK (TYP.)
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
GENERIC WOODEN PRIVACY FENCE 6' TALL
15.0' TYPE II PERIMETER BUFFER
RET. WALL BY OTHERS (TYP.)
STREAM E
STREAM H
30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)
30.0' STREET YARD BUFFER
FUTURE GRO PEG RD IMPROVEMENTS TO BE DETERMINED

9 - Confirm the property lines and retaining wall locations
9 - Confirm the property lines and retaining wall locations

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

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

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



SITE KEY PLAN

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

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-5.3

20 OF 133

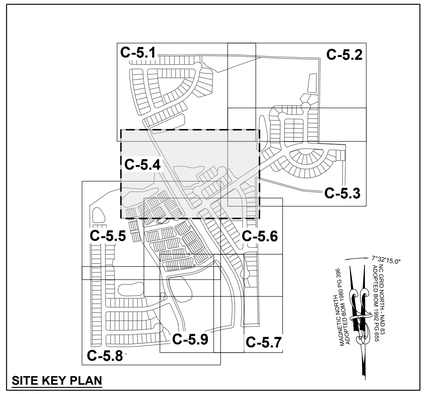
PROGRESS PLOT DATE: 06/04/2024

TOWNHOME NOTES:

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

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

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



SITE KEY PLAN

LEGEND:

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

10 - Sidewalk and sidepath cannot just end. Please revise. This was previously discussed, but please let us know if there are any concerns with revising.

MATCH LINE
FOR CONTINUATION, SEE C-5.1

MATCH LINE
FOR CONTINUATION, SEE C-5.3

MATCH LINE
FOR CONTINUATION, SEE C-5.5

BRIDGE

JONESVILLE RD
100' R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

LIGHTING BOLT LANE
67' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

SCM #3
WET POND
42,288 SF
0.97 AC

SCM #7
WET POND
35,796 SF
0.82 AC

MEASURED MILE
2.61 AC

AMENITY CENTER
1.51 AC

STREAM A
STREAM E
STREAM F

RET. WALL BY OTHERS (TYP.)
PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS
PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT
CROSSWALK (TYP.)
WHEELCHAIR RAMPS (TYP.)
SCM MAINTENANCE EASEMENT
PROPOSED OVERHEAD POWER RELOCATION
GENERIC WOODEN PRIVACY FENCE 6' TALL
0.2% ANNUAL CHANCE FLOOD HAZARD
10'x70' SIGHT DISTANCE TRIANGLES
TYPE II PERIMETER BUFFER
SIDEWALK (TYP.)
SIDE PATH
GREENWAY TRAIL
STREET YARD BUFFER
BERM
BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)
SIDE SETBACK (TYP.)

20.0' PRIVATE DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
30.0' SANITARY SEWER EASEMENT
35.0' CORDUD WPA EASEMENT (TYP.)
20.0' DRAINAGE & ACCESS EASEMENT

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-5.4

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

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

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

SITE KEY PLAN
C-5.1 C-5.2 C-5.3 C-5.4 C-5.5 C-5.6 C-5.7 C-5.8 C-5.9

MATCH LINE
FOR CONTINUATION, SEE C-5.4

MATCH LINE
FOR CONTINUATION, SEE C-5.6

MATCH LINE
FOR CONTINUATION, SEE C-5.8

MEASURED MILE
2.61 AC

SCM #7
WET POND
35,796 SF
0.82 AC

SCM #8
WET POND
14,238 SF
0.33 AC

POCKET PARK II
0.24 AC

POCKET PARK I
0.28 AC

BASKETBALL & EXERCISE
1.01 AC

EXISTING
DRY POND

PROPOSED OVERHEAD POWER RELOCATION

PROPOSED OVERHEAD POWER RELOCATION

PEDESTRIAN CROSSING SIGNS WITH FLASHING LIGHTS

PEDESTRIAN CROSSING SIGN WITH FLASHING LIGHT

MAIL KIOSK

SCM MAINTENANCE EASEMENT

SCM MAINTENANCE EASEMENT

SCM MAINTENANCE EASEMENT

30.0' SANITARY SEWER EASEMENT

30.0' SANITARY SEWER EASEMENT

30.0' SANITARY SEWER EASEMENT

30.0' SANITARY SEWER EASEMENT

30.0' EXISTING TOWN OF GARNER EASEMENT FOR INTERCEPTOR SEWER PER PC 1/26

10.0' BERM

10.0' GREENWAY TRAIL

10' BOARDWALK

RET. WALL BY OTHERS (TYP.)

CROSSWALK (TYP.)

SIDEWALK

10'X70' SIGHT DISTANCE TRIANGLES

20' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

30.0' STREET YARD BUFFER

35.0' CORRIDOR/RR EASEMENT (TYP.)

WHEELCHAIR RAMPS (TYP.)

SIDE SETBACK (TYP.)

SIDE PATH

STREAM I
STREAM G
STREAM J

BUFFER ZONE 1 (TYP.)
BUFFER ZONE 2 (TYP.)

W3
W4
W6

UNPLUGGED AVENUE 50' PUBLIC R/W
JONESVILLE RD 100' R/W
LIGHTING BOLT LANE 62' PUBLIC R/W
VEDDER LANE 50' PUBLIC R/W
GIGATON STREET 50' PUBLIC R/W
MCCREADY COURT 50' PUBLIC R/W
OCEANS COURT 50' PUBLIC R/W
PUBLIC ALLEY '1' 20' PUBLIC R/W
PUBLIC ALLEY '2' 20' PUBLIC R/W
PUBLIC ALLEY '3' 20' PUBLIC R/W
PUBLIC ALLEY '4' 20' PUBLIC R/W
PENDULUM STREET 50' PUBLIC R/W
BETTERMAN DRIVE 50' PUBLIC R/W

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

50.0' ROW
20.0' PRIVATE DRAINAGE EASEMENT
29.0' B-B
24.0' EOP
15.0' TYPE II PERIMETER BUFFER
GENERIC WOODEN PRIVACY FENCE 6' TALL

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-5.5

22 OF 133

SITE KEY PLAN

LEGEND:

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

TOWNHOME NOTES:

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

MATCH LINE

FOR CONTINUATION, SEE C-5.7

MATCH LINE

FOR CONTINUATION, SEE C-5.5

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL:

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

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

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

DRAWING SHEET
C-5.6

23 OF 133

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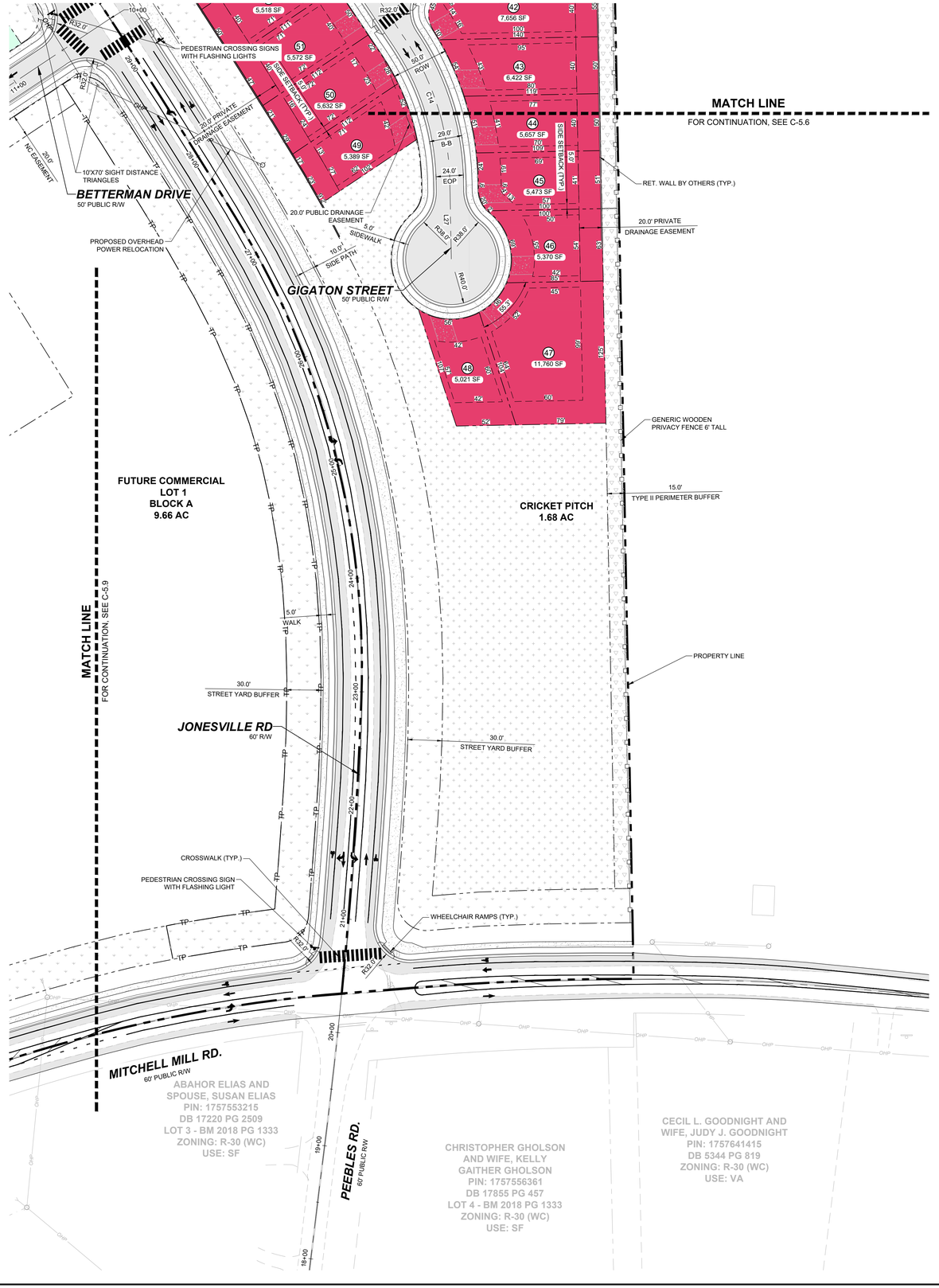

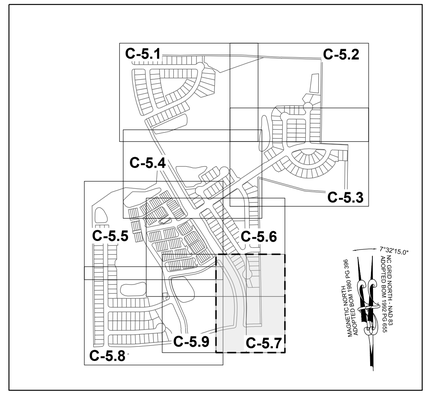

SITE KEY PLAN

LEGEND:

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

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

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

DRAWING SHEET
C-5.7

MATCH LINE
FOR CONTINUATION, SEE C-5.5

NEIGHBOURHOOD PARK
1.92 AC

FRISBEE GOLF AREA

RET. WALL BY OTHERS (TYP.)

GENERIC WOODEN PRIVACY FENCE 6' TALL

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

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

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

15.0' TYPE II PERIMETER BUFFER

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

PENDULUM STREET
50' PUBLIC R/W

SCM #1
WET POND
28,791 SF
0.66 AC

SCM #2
WET POND
44,689 SF
1.03 AC

EVEN FLOW LANE
50' PUBLIC R/W

YELLOW MOON COURT
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC

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

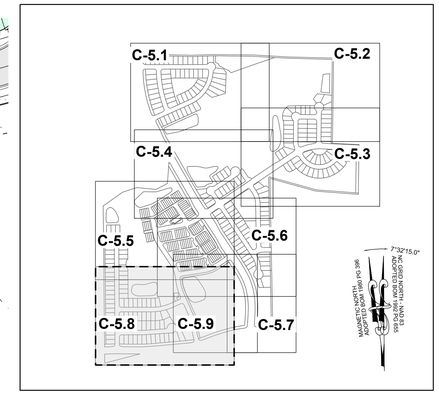
TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333
ZONING: R-30 (WC)
USE: SF

11 - Please confirm if there is enough room for a vehicle parked here to back out. We have seen bump outs in parking lots like this to allow backing out.

12 - Confirm if pedestrian ramps will be here

13 - The Town's Standards Manual and LDO specify the maximum length of a cul-de-sac to be 500'. Please review and adjust accordingly.

14 - Please confirm the status of the offsite plans for Mitchell Mill Rd. The signing and striping, as well as widening widths and construction information should be included/notes added.



SITE KEY PLAN

LEGEND:

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

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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

STRONG ROCK 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	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-5.8

25 OF 133

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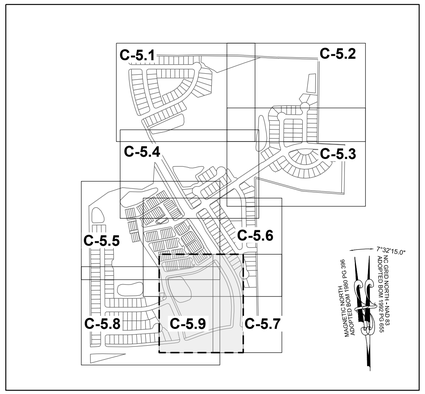


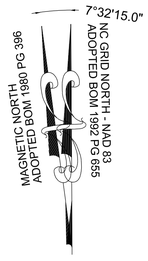
SITE KEY PLAN

LEGEND:

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

TOWNHOME NOTES:

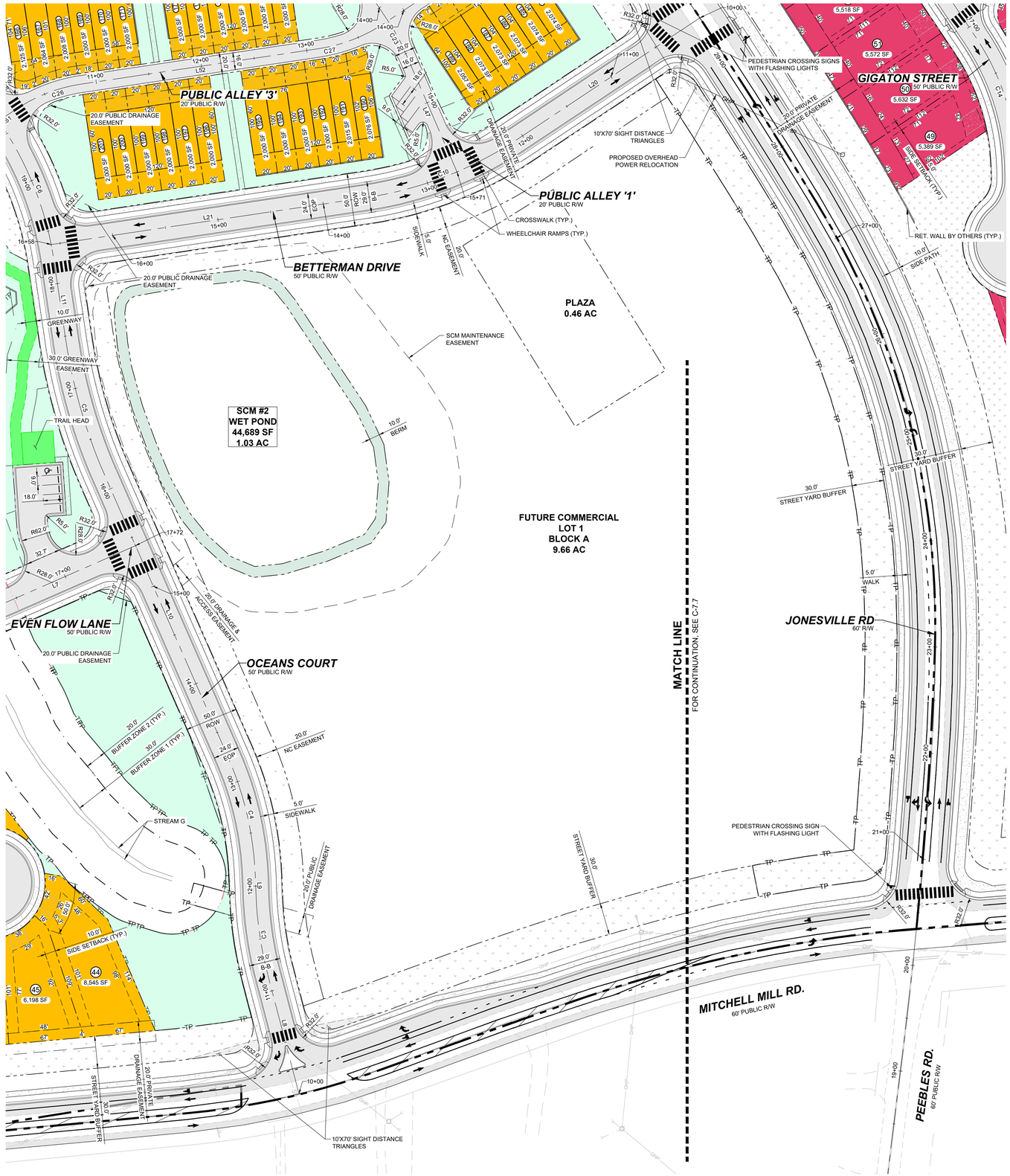
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

DRAWING SHEET
C-5.9

26 OF 133

DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
1	5,030	FRONT: 56' DEPTH: 103'
2	5,633	FRONT: 52' DEPTH: 100'
3	5,000	FRONT: 50' DEPTH: 100'
4	5,000	FRONT: 50' DEPTH: 100'
5	5,000	FRONT: 50' DEPTH: 100'
6	5,703	FRONT: 68' DEPTH: 100'
7	6,260	FRONT: 68' DEPTH: 100'
8	5,000	FRONT: 50' DEPTH: 100'
9	5,000	FRONT: 50' DEPTH: 100'
10	5,000	FRONT: 50' DEPTH: 100'
11	5,000	FRONT: 50' DEPTH: 100'
12	5,000	FRONT: 50' DEPTH: 100'
13	5,534	FRONT: 55' DEPTH: 100'
14	5,368	FRONT: 53' DEPTH: 100'
15	5,000	FRONT: 50' DEPTH: 100'
16	5,000	FRONT: 50' DEPTH: 100'
17	5,000	FRONT: 50' DEPTH: 100'
18	5,000	FRONT: 50' DEPTH: 100'
19	5,000	FRONT: 50' DEPTH: 100'
20	5,000	FRONT: 50' DEPTH: 100'
21	5,021	FRONT: 52' DEPTH: 100'
22	5,204	FRONT: 55' DEPTH: 101'
23	7,499	FRONT: 74' DEPTH: 100'
24	6,904	FRONT: 58' DEPTH: 101'
25	5,067	FRONT: 51' DEPTH: 101'
26	5,000	FRONT: 50' DEPTH: 100'
27	5,000	FRONT: 50' DEPTH: 100'
28	5,000	FRONT: 50' DEPTH: 100'
29	5,000	FRONT: 50' DEPTH: 100'
30	5,000	FRONT: 50' DEPTH: 100'
31	5,000	FRONT: 50' DEPTH: 100'
32	5,072	FRONT: 50' DEPTH: 100'
33	5,362	FRONT: 50' DEPTH: 108'
34	5,402	FRONT: 50' DEPTH: 108'
35	5,385	FRONT: 50' DEPTH: 108'
36	5,368	FRONT: 50' DEPTH: 107'
37	5,351	FRONT: 50' DEPTH: 107'
38	5,321	FRONT: 50' DEPTH: 106'
39	5,199	FRONT: 50' DEPTH: 106'
40	5,023	FRONT: 50' DEPTH: 102'
41	5,099	FRONT: 53' DEPTH: 100'
42	5,117	FRONT: 51' DEPTH: 105'

DSF LOT SIZE TABLE - NC ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
43	8,310	FRONT: 132' DEPTH: 105'
44	8,545	FRONT: 50' DEPTH: 174'
45	6,198	FRONT: 50' DEPTH: 125'
46	5,024	FRONT: 50' DEPTH: 101'
47	5,070	FRONT: 50' DEPTH: 102'
48	5,115	FRONT: 50' DEPTH: 103'
49	5,156	FRONT: 50' DEPTH: 103'
50	5,185	FRONT: 50' DEPTH: 104'
51	5,268	FRONT: 50' DEPTH: 104'
52	5,361	FRONT: 50' DEPTH: 105'
53	5,257	FRONT: 50' DEPTH: 105'
54	5,230	FRONT: 50' DEPTH: 105'
55	5,184	FRONT: 50' DEPTH: 104'
56	5,127	FRONT: 50' DEPTH: 103'
57	5,060	FRONT: 51' DEPTH: 102'
58	5,115	FRONT: 50' DEPTH: 102'
59	5,051	FRONT: 50' DEPTH: 102'
60	5,092	FRONT: 50' DEPTH: 102'
61	5,100	FRONT: 50' DEPTH: 102'
62	5,108	FRONT: 50' DEPTH: 102'
63	5,115	FRONT: 50' DEPTH: 102'
64	5,123	FRONT: 50' DEPTH: 103'
65	5,131	FRONT: 50' DEPTH: 103'
66	5,139	FRONT: 50' DEPTH: 103'
67	5,148	FRONT: 50' DEPTH: 103'
68	5,157	FRONT: 50' DEPTH: 103'
69	5,164	FRONT: 50' DEPTH: 103'
70	5,171	FRONT: 50' DEPTH: 103'
71	5,178	FRONT: 50' DEPTH: 104'
72	5,185	FRONT: 50' DEPTH: 104'
73	5,193	FRONT: 50' DEPTH: 104'
74	5,200	FRONT: 50' DEPTH: 104'
75	5,208	FRONT: 50' DEPTH: 104'
76	5,215	FRONT: 50' DEPTH: 104'
77	5,223	FRONT: 50' DEPTH: 105'
78	5,230	FRONT: 50' DEPTH: 105'
79	5,238	FRONT: 50' DEPTH: 105'
80	6,161	FRONT: 60' DEPTH: 105'
81	6,038	FRONT: 50' DEPTH: 121'
82	5,507	FRONT: 57' DEPTH: 121'
83	5,024	FRONT: 53' DEPTH: 115'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
1	5,799	FRONT: 53' DEPTH: 110'
2	5,461	FRONT: 55' DEPTH: 110'
3	5,051	FRONT: 56' DEPTH: 102'
4	5,748	FRONT: 50' DEPTH: 123'
5	5,000	FRONT: 50' DEPTH: 100'
6	5,000	FRONT: 50' DEPTH: 100'
7	5,000	FRONT: 50' DEPTH: 100'
8	5,040	FRONT: 52' DEPTH: 103'
9	5,122	FRONT: 51' DEPTH: 112'
10	5,000	FRONT: 50' DEPTH: 100'
11	5,000	FRONT: 50' DEPTH: 100'
12	5,000	FRONT: 50' DEPTH: 100'
13	5,000	FRONT: 50' DEPTH: 100'
14	5,000	FRONT: 50' DEPTH: 100'
15	5,565	FRONT: 59' DEPTH: 100'
16	5,440	FRONT: 55' DEPTH: 100'
17	5,000	FRONT: 50' DEPTH: 100'
18	5,001	FRONT: 50' DEPTH: 100'
19	5,039	FRONT: 50' DEPTH: 102'
20	5,113	FRONT: 50' DEPTH: 103'
21	5,075	FRONT: 50' DEPTH: 103'
22	5,000	FRONT: 50' DEPTH: 100'
23	5,000	FRONT: 50' DEPTH: 100'
24	5,000	FRONT: 50' DEPTH: 100'
25	5,000	FRONT: 50' DEPTH: 100'
26	7,374	FRONT: 99' DEPTH: 100'
27	13,548	FRONT: 175' DEPTH: 130'
28	6,061	FRONT: 65' DEPTH: 101'
29	7,176	FRONT: 51' DEPTH: 126'
30	6,707	FRONT: 51' DEPTH: 126'
31	5,680	FRONT: 51' DEPTH: 107'
32	5,000	FRONT: 50' DEPTH: 100'
33	5,000	FRONT: 50' DEPTH: 100'
34	5,000	FRONT: 50' DEPTH: 100'
35	5,000	FRONT: 50' DEPTH: 100'
36	5,000	FRONT: 50' DEPTH: 100'
37	5,000	FRONT: 50' DEPTH: 100'
38	5,000	FRONT: 50' DEPTH: 100'
39	5,000	FRONT: 50' DEPTH: 100'
40	5,000	FRONT: 50' DEPTH: 100'
41	5,356	FRONT: 54' DEPTH: 100'
42	7,656	FRONT: 46' DEPTH: 140'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
43	6,422	FRONT: 54' DEPTH: 140'
44	5,657	FRONT: 51' DEPTH: 119'
45	5,473	FRONT: 56' DEPTH: 109'
46	5,370	FRONT: 66' DEPTH: 100'
47	11,760	FRONT: 62' DEPTH: 104'
48	5,021	FRONT: 53' DEPTH: 107'
49	5,389	FRONT: 52' DEPTH: 108'
50	5,632	FRONT: 50' DEPTH: 112'
51	5,572	FRONT: 50' DEPTH: 112'
52	5,518	FRONT: 50' DEPTH: 111'
53	5,481	FRONT: 50' DEPTH: 110'
54	5,466	FRONT: 50' DEPTH: 109'
55	5,457	FRONT: 50' DEPTH: 109'
56	5,450	FRONT: 50' DEPTH: 109'
57	5,449	FRONT: 50' DEPTH: 109'
58	5,463	FRONT: 50' DEPTH: 109'
59	5,489	FRONT: 50' DEPTH: 109'
60	5,344	FRONT: 50' DEPTH: 109'
61	5,099	FRONT: 50' DEPTH: 105'
62	5,013	FRONT: 50' DEPTH: 100'
63	5,432	FRONT: 55' DEPTH: 100'
64	5,000	FRONT: 50' DEPTH: 100'
65	5,000	FRONT: 50' DEPTH: 100'
66	6,595	FRONT: 92' DEPTH: 124'
67	6,898	FRONT: 75' DEPTH: 124'
68	5,505	FRONT: 50' DEPTH: 110'
69	5,500	FRONT: 50' DEPTH: 110'
70	5,500	FRONT: 50' DEPTH: 110'
71	5,500	FRONT: 50' DEPTH: 110'
72	5,587	FRONT: 50' DEPTH: 115'
73	5,161	FRONT: 51' DEPTH: 115'
74	7,143	FRONT: 50' DEPTH: 100'
75	5,755	FRONT: 50' DEPTH: 100'
76	5,056	FRONT: 69' DEPTH: 100'
77	5,005	FRONT: 50' DEPTH: 100'
78	5,000	FRONT: 50' DEPTH: 100'
79	6,325	FRONT: 78' DEPTH: 100'
80	8,057	FRONT: 68' DEPTH: 101'
81	10,300	FRONT: 61' DEPTH: 101'
82	6,284	FRONT: 60' DEPTH: 100'
83	5,467	FRONT: 58' DEPTH: 114'
84	5,697	FRONT: 50' DEPTH: 114'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
85	5,694	FRONT: 50' DEPTH: 114'
86	5,691	FRONT: 50' DEPTH: 114'
87	5,688	FRONT: 50' DEPTH: 114'
88	5,684	FRONT: 50' DEPTH: 114'
89	5,681	FRONT: 50' DEPTH: 114'
90	5,203	FRONT: 50' DEPTH: 104'
91	5,206	FRONT: 50' DEPTH: 104'
92	5,206	FRONT: 50' DEPTH: 104'
93	5,206	FRONT: 50' DEPTH: 104'
94	5,592	FRONT: 54' DEPTH: 104'
95	5,592	FRONT: 54' DEPTH: 104'
96	5,206	FRONT: 50' DEPTH: 104'
97	5,206	FRONT: 50' DEPTH: 104'
98	5,206	FRONT: 50' DEPTH: 104'
99	5,203	FRONT: 50' DEPTH: 104'
100	5,359	FRONT:63' DEPTH: 110'
101	5,100	FRONT: 57' DEPTH: 110'
102	5,100	FRONT: 57' DEPTH: 110'
103	5,100	FRONT: 57' DEPTH: 110'
104	5,100	FRONT: 57' DEPTH: 110'
105	5,100	FRONT: 57' DEPTH: 110'
106	5,100	FRONT: 57' DEPTH: 110'
107	5,360	FRONT: 69' DEPTH: 110'
108	5,753	FRONT: 50' DEPTH: 115'
109	5,790	FRONT: 50' DEPTH: 115'
110	5,753	FRONT: 53' DEPTH: 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'
124	5,385	FRONT: 50' DEPTH: 110'
125	5,335	FRONT: 52' DEPTH: 110'
126	5,000	FRONT: 50' DEPTH: 100'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
127	5,000	FRONT: 50' DEPTH: 100'
128	5,000	FRONT: 50' DEPTH: 100'
129	5,000	FRONT: 50' DEPTH: 100'
130	5,000	FRONT: 50' DEPTH: 100'
131	5,000	FRONT: 50' DEPTH: 100'
132	5,000	FRONT: 50' DEPTH: 100'
133	5,196	FRONT: 50' DEPTH: 100'
134	5,709	FRONT: 50' DEPTH: 100'
135	6,270	FRONT: 50' DEPTH: 141'
136	9,866	FRONT: 50' DEPTH: 192'
137	10,379	FRONT: 50' DEPTH: 192'
138	9,107	FRONT: 50' DEPTH: 168'
139	8,402	FRONT: 50' DEPTH: 154'
140	7,086	FRONT: 63' DEPTH: 147'
141	5,065	FRONT: 70' DEPTH: 90'
142	5,139	FRONT: 55' DEPTH: 94'
143	5,010	FRONT: 54' DEPTH: 94'
144	5,005	FRONT: 55' DEPTH: 92'
145	5,045	FRONT: 56' DEPTH: 91'
146	5,047	FRONT: 55' DEPTH: 92'
147	5,031	FRONT: 54' DEPTH: 93'
148	5,029	FRONT: 54' DEPTH: 95'
149	5,014	FRONT: 53' DEPTH: 96'
150	5,023	FRONT: 52' DEPTH: 97'
151	5,021	FRONT: 52' DEPTH: 98'
152	5,033	FRONT: 51' DEPTH: 99'
153	5,036	FRONT: 51' DEPTH: 100'
154	5,074	FRONT: 52' DEPTH: 101'
155	7,319	FRONT: 59' DEPTH: 120'
156	6,614	FRONT: 53' DEPTH: 121'
157	6,630	FRONT: 53' DEPTH: 121'
158	6,616	FRONT: 53' DEPTH: 121'
159	6,622	FRONT: 53' DEPTH: 121'
160	6,635	FRONT: 53' DEPTH: 121'
161	6,645	FRONT: 53' DEPTH: 121'
162	6,387	FRONT: 51' DEPTH: 122'
163	7,431	FRONT: 58' DEPTH: 122'
164	6,251	FRONT: 61' DEPTH: 110'
165	5,476	FRONT: 51' DEPTH: 110'
166	5,910	FRONT: 55' DEPTH: 100'
167	5,908	FRONT: 55' DEPTH: 100'
168	5,908	FRONT: 55' DEPTH: 100'

DSF LOT SIZE TABLE - RM ZONE		
LOT NUMBER	AREA (SF)	DIMENSION (LF)
169	5,908	FRONT: 55' DEPTH: 100'
170	5,909	FRONT: 55' DEPTH: 100'
171	6,253	FRONT: 60' DEPTH: 110'
172	5,454	FRONT: 56' DEPTH: 101'
173	5,000	FRONT: 50' DEPTH: 100'
174	5,000	FRONT: 50' DEPTH: 100'
175	5,000	FRONT: 50' DEPTH: 100'
176	5,000	FRONT: 50' DEPTH: 100'
177	5,000	FRONT: 50' DEPTH: 100'
178	5,000	FRONT: 50' DEPTH: 100'
179	6,422	FRONT: 69' DEPTH: 100'
180	5,000	FRONT: 55' DEPTH: 100'
181	5,000	FRONT: 55' DEPTH: 100'
182	5,000	FRONT: 55' DEPTH: 100'
183	5,000	FRONT: 55' DEPTH: 100'
184	5,000	FRONT: 54' DEPTH: 100'
185	5,000	FRONT: 50' DEPTH: 100'
186	5,000	FRONT: 50' DEPTH: 100'

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

LOT SIZE TABLES

DRAWING SHEET

C-5.10

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
1	SINGLE FAMILY 50' WIDE					
2	SINGLE FAMILY 50' WIDE					
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 1948 "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	X	X	X	X	X
81	SINGLE FAMILY 50' WIDE					
82	SINGLE FAMILY 50' WIDE					
83	SINGLE FAMILY 51' WIDE					

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No.	REVISIONS	DATE	BY

SEAL

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

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

SITE TABLES - NC ZONE

DRAWING SHEET

C-5.11

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1948 "A" SLAB	PLAN 2097 "A" SLAB
1	SINGLE FAMILY 50' WIDE					
2	SINGLE FAMILY 50' WIDE	X	X	X	X	X
3	SINGLE FAMILY 50' WIDE	X				
4	SINGLE FAMILY 50' WIDE	X	X	X	X	X
5	SINGLE FAMILY 50' WIDE	X	X	X	X	X
6	SINGLE FAMILY 50' WIDE	X	X	X	X	X
7	SINGLE FAMILY 50' WIDE	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 1948 "A" SLAB	PLAN 2097 "A" SLAB
66	SINGLE FAMILY 50' WIDE	X	X	X	X	X
67	SINGLE FAMILY 50' WIDE	X	X	X	X	X
68	SINGLE FAMILY 50' WIDE	X	X	X	X	X
69	SINGLE FAMILY 50' WIDE	X	X	X	X	X
70	SINGLE FAMILY 50' WIDE	X	X	X	X	X
71	SINGLE FAMILY 50' WIDE	X	X	X	X	X
72	SINGLE FAMILY 50' WIDE	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	
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 1948 "A" SLAB	PLAN 2097 "A" SLAB
131	SINGLE FAMILY 50' WIDE	X	X	X	X	X
132	SINGLE FAMILY 50' WIDE	X	X	X	X	X
133	SINGLE FAMILY 50' WIDE	X	X	X	X	X
134	SINGLE FAMILY 50' WIDE	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					
142	SINGLE FAMILY 50' WIDE	X	X	X	X	X
143	SINGLE FAMILY 50' WIDE	X	X	X	X	X
144	SINGLE FAMILY 50' WIDE	X	X	X	X	X
145	SINGLE FAMILY 50' WIDE	X	X	X	X	X
146	SINGLE FAMILY 50' WIDE	X	X	X	X	X
147	SINGLE FAMILY 50' WIDE	X	X	X	X	X
148	SINGLE FAMILY 50' WIDE	X	X	X	X	X
149	SINGLE FAMILY 50' WIDE	X	X	X	X	X
150	SINGLE FAMILY 50' WIDE	X	X	X	X	X
151	SINGLE FAMILY 50' WIDE	X	X	X	X	X
152	SINGLE FAMILY 50' WIDE	X	X	X	X	X
153	SINGLE FAMILY 50' WIDE	X	X	X	X	X
154	SINGLE FAMILY 50' WIDE	X	X	X	X	X
155	SINGLE FAMILY 50' WIDE	X	X	X	X	X
156	SINGLE FAMILY 50' WIDE	X	X	X	X	X
157	SINGLE FAMILY 50' WIDE	X	X	X	X	X
158	SINGLE FAMILY 50' WIDE	X	X	X	X	X
159	SINGLE FAMILY 50' WIDE	X	X	X	X	X
160	SINGLE FAMILY 50' WIDE	X	X	X	X	X
161	SINGLE FAMILY 50' WIDE	X	X	X	X	X
162	SINGLE FAMILY 50' WIDE	X	X	X	X	X
163	SINGLE FAMILY 50' WIDE	X	X	X	X	X
164	SINGLE FAMILY 50' WIDE	X	X	X	X	X
165	SINGLE FAMILY 50' WIDE	X	X	X	X	X
166	SINGLE FAMILY 50' WIDE	X	X	X	X	X
167	SINGLE FAMILY 50' WIDE	X	X	X	X	X
168	SINGLE FAMILY 50' WIDE	X	X	X	X	X
169	SINGLE FAMILY 50' WIDE	X	X	X	X	X
170	SINGLE FAMILY 50' WIDE	X	X	X	X	X
171	SINGLE FAMILY 50' WIDE	X	X	X	X	X
172	SINGLE FAMILY 50' WIDE	X	X	X	X	X
173	SINGLE FAMILY 50' WIDE	X	X	X	X	X
174	SINGLE FAMILY 50' WIDE	X	X	X	X	X
175	SINGLE FAMILY 50' WIDE	X	X	X	X	X
176	SINGLE FAMILY 50' WIDE	X	X	X	X	X
177	SINGLE FAMILY 50' WIDE	X	X	X	X	X
178	SINGLE FAMILY 50' WIDE	X	X	X	X	X
179	SINGLE FAMILY 50' WIDE	X	X	X	X	X
180	SINGLE FAMILY 50' WIDE	X	X	X	X	X
181	SINGLE FAMILY 50' WIDE	X	X	X	X	X
182	SINGLE FAMILY 50' WIDE	X	X	X	X	X
183	SINGLE FAMILY 50' WIDE	X	X	X	X	X
184	SINGLE FAMILY 50' WIDE	X	X	X	X	X
185	SINGLE FAMILY 50' WIDE	X	X	X	X	X
186	SINGLE FAMILY 50' WIDE	X	X	X	X	X

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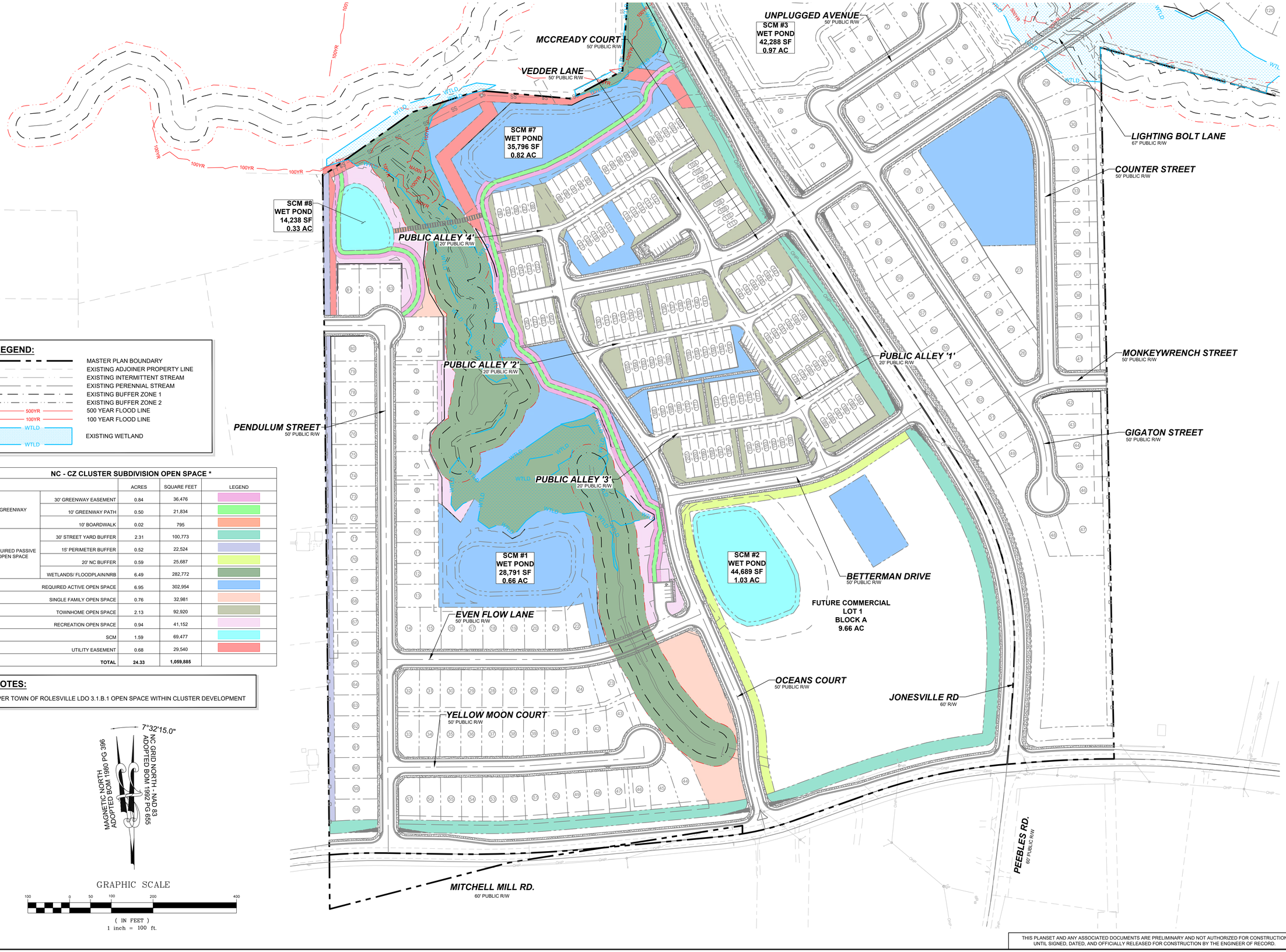
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
SITE TABLES - RM ZONE

DRAWING SHEET
C-5.12



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
- WTLD — EXISTING WETLAND

NC - CZ CLUSTER SUBDIVISION OPEN SPACE *

		ACRES	SQUARE FEET	LEGEND
GREENWAY	30' GREENWAY EASEMENT	0.84	36,476	
	10' GREENWAY PATH	0.50	21,834	
	10' BOARDWALK	0.02	795	
REQUIRED PASSIVE OPEN SPACE	30' STREET YARD BUFFER	2.31	100,773	
	15' PERIMETER BUFFER	0.52	22,524	
	20' NC BUFFER	0.59	25,687	
	WETLANDS/ FLOODPLAIN/NRB	6.49	282,772	
REQUIRED ACTIVE OPEN SPACE		6.95	302,954	
SINGLE FAMILY OPEN SPACE		0.76	32,981	
TOWNHOME OPEN SPACE		2.13	92,920	
RECREATION OPEN SPACE		0.94	41,152	
SCM		1.59	69,477	
UTILITY EASEMENT		0.68	29,540	
TOTAL		**24.33**	**1,059,885**	

NOTES:

* PER TOWN OF ROLESVILLE LDO 3.1.B.1 OPEN SPACE WITHIN CLUSTER DEVELOPMENT

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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CONSTRUCTION PLANS

OVERALL OPEN SPACE NC-CZ

DRAWING SHEET

C-6.0

OPEN SPACE CALCULATIONS

ZONING:	NC-CZ			
TOTAL PROPERTY AREA:		53.89		
REQUIRED PASSIVE OPEN SPACE (AC):		8.08	15%	Per Table 6.2.1.D.2.C (Open Space)
		ACRES	SQUARE FEET	
REQUIRED ACTIVE OPEN SPACE PARKS:		8.08	352,117	Per Table 6.2.1.1 (Open Space)
	1. Neighbourhood Park	1.92	83,713	
	2. Basketball & exercize	0.77	33,535	
	3. Plaza	0.46	20,000	
	4. Pocket park I	0.24	10,358	
	5. Pocket park II	0.24	10,281	
		3.62	157,887	
ADDITIONAL REQUIRED ACTIVE OPEN SPACE:		4.46	194,230	
	AS1. Amenity center	1.51	65,780	
	AS3. Measured Mile	1.82	79,287	
		3.33	145,067	
TOTAL PROPOSED ACTIVE OPEN SPACE:		6.95	302,954	

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
- WTLD — EXISTING WETLAND
- REQUIRED ACTIVE OPEN SPACE
- REQUIRED PASSIVE OPEN SPACE

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 665

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

No.	REVISIONS	DATE	BY

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CONSTRUCTION PLANS

OPEN SPACE REQUIREMENTS
NC-CZ

DRAWING SHEET
C-6.1

31 OF 133

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LEGEND:

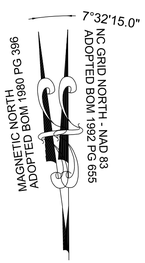
- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- EXISTING INTERMITTENT STREAM
- EXISTING PERENNIAL STREAM
- EXISTING BUFFER ZONE 1
- EXISTING BUFFER ZONE 2
- 500YR — 500 YEAR FLOOD LINE
- 100YR — 100 YEAR FLOOD LINE
- WTLD — EXISTING WETLAND

RM - CZ CLUSTER SUBDIVISION OPEN SPACE *

		ACRES	SQUARE FEET	LEGEND
GREENWAY	30' GREENWAY EASEMENT	0.97	42,202	
	10' GREENWAY PATH	0.65	28,201	
	10' GREENWAY MUP	0.01	557	
REQUIRED PASSIVE OPEN SPACE	30' STREET YARD BUFFER	2.34	101,953	
	15' PERIMETER BUFFER	1.45	63,163	
	WETLANDS/ FLOODPLAIN/NRB	27.70	1,206,677	
REQUIRED ACTIVE OPEN SPACE		7.91	344,433	
SINGLE FAMILY OPEN SPACE		4.19	182,632	
RECREATION OPEN SPACE		1.59	69,331	
SCM		2.35	102,444	
UTILITY EASEMENT		1.32	57,291	
TOTAL		**50.48**	**2,198,886**	

NOTES:

* PER TOWN OF ROLESVILLE LDO 3.1.B.1 OPEN SPACE WITHIN CLUSTER DEVELOPMENT



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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

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

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

OVERALL OPEN SPACE RM-CZ

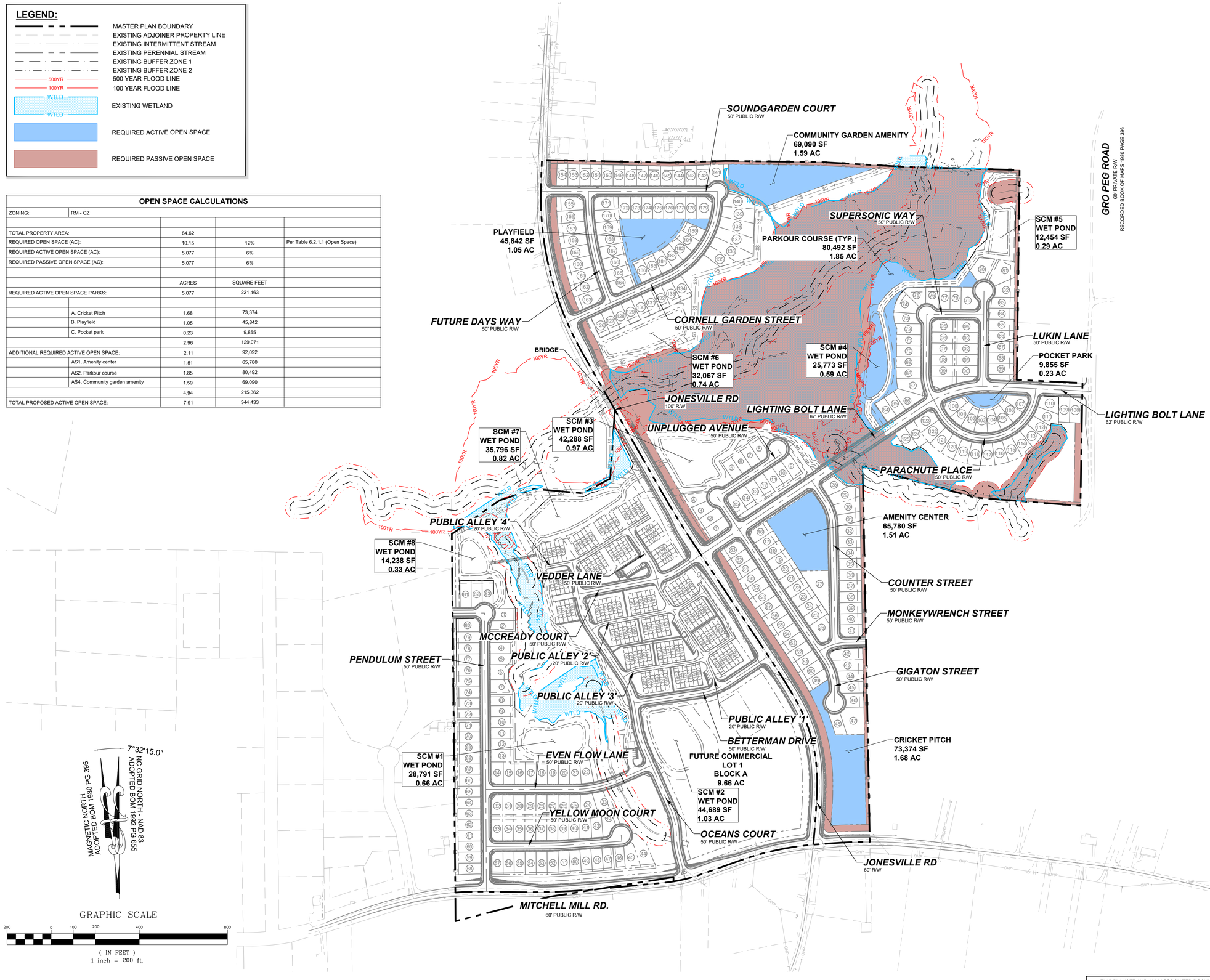
DRAWING SHEET
C-6.2

LEGEND:

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

OPEN SPACE CALCULATIONS

ZONING:	RM - CZ			
TOTAL PROPERTY AREA:		84.62		
REQUIRED OPEN SPACE (AC):		10.15	12%	Per Table 6.2.1.1 (Open Space)
REQUIRED ACTIVE OPEN SPACE (AC):		5.077	6%	
REQUIRED PASSIVE OPEN SPACE (AC):		5.077	6%	
		ACRES	SQUARE FEET	
REQUIRED ACTIVE OPEN SPACE PARKS:		5.077	221,163	
	A. Cricket Pitch	1.68	73,374	
	B. Playfield	1.05	45,842	
	C. Pocket park	0.23	9,855	
		2.96	129,071	
ADDITIONAL REQUIRED ACTIVE OPEN SPACE:		2.11	92,092	
	AS1. Amenity center	1.51	65,780	
	AS2. Parkour course	1.85	80,492	
	AS4. Community garden amenity	1.59	69,090	
		4.94	215,362	
TOTAL PROPOSED ACTIVE OPEN SPACE:		7.91	344,433	



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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
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STRONG ROCK PROJECT	PSP-23-03		
NOT FOR CONSTRUCTION			
SCALE	AS SHOWN	DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

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

OPEN SPACE REQUIREMENTS RM-CZ

DRAWING SHEET
C-6.3

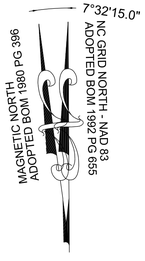
UTILITY NOTES

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 3/4" - 2" SHOULD BE TYPE "K" SOFT COPPER AND IN ACCORDANCE WITH PU HANDBOOK, APP. B, STANDARD WATER DETAIL W-23 AND W-25. IF WATER METERS CANNOT BE LOCATED WITHIN THE RIGHT-OF-WAY THEY MUST BE WITHIN RECORDED "CITY OF RALEIGH WATERLINE EASEMENTS.

CORPUD STANDARD UTILITY NOTES:

STANDARD UTILITY NOTES (AS APPLICABLE):

1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).
2. UTILITY SEPARATION REQUIREMENTS:
   a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
   b) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
   c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, PVC MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
   d) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS PVC MATERIAL IS SPECIFIED FOR SANITARY SEWER.
   e) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY PVC MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
   f) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION
4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
6. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
7. INSTALL ¾" COPPER* WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
8. INSTALL 4" PVC* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.



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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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-7.0

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

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

EX. 12" DIP W/L

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

FHA W/T 3'X3' CORWLE

20.0' PRIVATE DRAINAGE EASEMENT

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

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

8" DIP W/L

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

8" 45° BEND

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

P #01 P #02 P #03 P #04 P #05 P #06 P #07 P #08 P #09 P #10 P #11 P #12 P #13 P #14 P #15 P #86 P #87

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

30.0' STREET YARD BUFFER

20.0' DRAINAGE & ACCESS EASEMENT

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

SOUNDGARDEN COURT
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

PLAYFIELD

SCM #6 WET POND

10.0' BERM

30' SANITARY SEWER EASEMENT

EX. SSMH #01 EX. SSMH #02 EX. SSMH #03 EX. SSMH #04 EX. SSMH #05 EX. SSMH #06 EX. SSMH #07 EX. SSMH #08

EX. P #01 EX. P #02 EX. P #03 EX. P #04 EX. P #05 EX. P #06 EX. P #07 EX. P #08

RET. WALL BY OTHERS (TYP.)

W1

COMMUNITY GARDEN AMENITY

TOWN OF ROLESVILLE WAKE CREEK INTERCEPTOR BM 1992 PG 635

30.0' EXISTING

FOOD ZONE AE

FLOODZONE AE

FLOODWAY

100YR WTLD

STREAM A "HARRIS CREEK"

30.00' BUFFER ZONE 1 (TYP.)

20.00' BUFFER ZONE 2 (TYP.)

SWAMP/MARSH HARRIS CREEK

SCM MAINTENANCE EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-7.2

MATCH LINE
FOR CONTINUATION, SEE C-7.4

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

PARTIAL UTILITY PLAN I

DRAWING / SHEET
C-7.1

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

COMMUNITY GARDEN AMENITY

PARKOUR COURSE

TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR DB 1992 PG 655

30.0' EXISTING

EX. SSMH #01

EX. SSMH #02

EX. P #01

EX. P #02

PROPERTY LINE

STREAM A
"HARRIS CREEK"

STREAM B

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

FOOD ZONE AE

FLOODWAY

W1

SWAMP/MARSH
HARRIS CREEK

RET. WALL BY OTHERS (TYP.)

10.0'
BERM

SCM #5
WET POND

SCM MAINTENANCE
EASEMENT

GENERIC WOODEN
PRIVACY FENCE 6' TALL

10.0'
GREENWAY TRAIL

20.0' DRAINAGE &
ACCESS EASEMENT

30.0' GREENWAY
EASEMENT

10.0'
GREENWAY

20.0' PRIVATE
DRAINAGE EASEMENT

8" BLOW OFF ASSEMBLY
SSMH #18

15.0' TYPE II
PERIMETER BUFFER

20.0' PRIVATE
DRAINAGE EASEMENT

8" DIP W/L
P #16

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

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

P #18

SSMH #18

20.0' PUBLIC
DRAINAGE EASEMENT

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

8" 45° BEND

8" 45° BEND

8" DIP W/L

SUPERSONIC WAY
50' PUBLIC R/W

FHA W/T
3'X3' CORWLE

20.0' PUBLIC
DRAINAGE EASEMENT

FHA W/T
3'X3' CORWLE

P #17

8" DIP W/L

P #19

LUKIN LANE
50' PUBLIC R/W

20.0' PRIVATE
DRAINAGE EASEMENT

SSMH #17

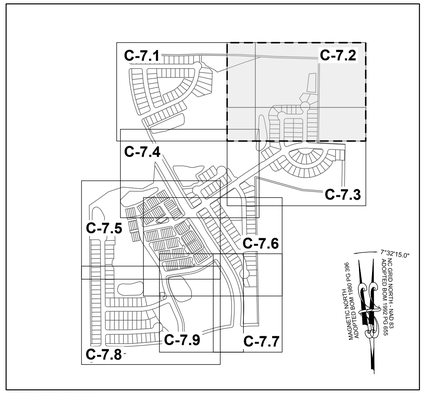
8" DIP W/L

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

MATCH LINE
FOR CONTINUATION, SEE C-7.1

MATCH LINE
FOR CONTINUATION, SEE C-7.3

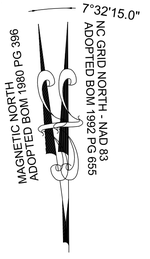
SCM #4
WET POND



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-7.2

36 OF 133

PROGRESS PLOT DATE: 06/04/2024

FLOODWAY
SWAMP/MARSH
HARRIS CREEK
SCM MAINTENANCE EASEMENT
W1
20.0' PRIVATE DRAINAGE EASEMENT
MATCH LINE
FOR CONTINUATION, SEE C-7.2
FLOODZONE AE
SCM #4
WET POND
10.0' BERM
10.0' GREENWAY TRAIL
0.2% ANNUAL CHANCE FLOOD HAZARD
100YR
500YR
WTLD
SUPERSONIC WAY
50' PUBLIC R/W
LUKIN LANE
50' PUBLIC R/W
POCKET PARK
LIGHTING BOLT LANE
62' PUBLIC R/W
LIGHTING BOLT LANE
67' PUBLIC R/W
COUNTER STREET
50' PUBLIC R/W.
PARACHUTE PLACE
50' PUBLIC R/W
GRO PEG ROAD
80' PRIVATE R/W
RECORDED BOOK OF MAPS 1980 PAGE 396
SSMH #18
SSMH #19
SSMH #20
SSMH #21
SSMH #22
SSMH #23
SSMH #24
SSMH #25
SSMH #26
SSMH #27
SSMH #28
SSMH #30
SSMH #31
SSMH #32
SSMH #37
SSMH #37A
SSMH #38
SSMH #84
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
30.0' GREENWAY EASEMENT
30.0' SANITARY SEWER EASEMENT
20.0' DRAINAGE & ACCESS EASEMENT
3/4" WATER METER & SERVICE (TYP.)
4" SANITARY SEWER C/O & SERVICE (TYP.)
8" DIP W/L
8" 45° BEND
8" 22.5° BEND
8" 11.25° BEND
FHA W/T 3'X3' CORWLE
8"x8" TEE W / (3) 8" GV
8"x8" CROSS W / (4) 8" GV
8" BLOW OFF ASSEMBLY
8" DIP W/L INSIDE DROP MANHOLE
PROPERTY LINE
RET. WALL BY OTHERS (TYP.)
STREAM E
STREAM H
W1
W2
20.0' BUFFER ZONE 2 (TYP.)
30.0' BUFFER ZONE 1 (TYP.)
15.0' TYPE II PERIMETER BUFFER
30.0' STREET YARD BUFFER
AMENITY CENTER
P #16
P #17
P #18
P #19
P #20
P #21
P #22
P #23
P #24
P #26
P #27
P #28
P #29
P #30
P #31
P #32
P #35
P #36
P #37
P #38
P #39

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

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

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

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

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

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

No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-7.3

37 OF 133

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: 06/04/2024

TOWNHOME NOTES:

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

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

MATCH LINE
FOR CONTINUATION, SEE C-7.1

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.3

SCM #3
WET POND

SCM #7
WET POND

MEASURED MILE

UNPLUGGED AVENUE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

JONESVILLE RD
60' R/W

VEDDER LANE
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W.

AMENITY CENTER

STREAM A
"HARRIS CREEK"

STREAM E

SWAMP/MARSH
HARRIS CREEK

FLOODZONE AE

FLOODWAY

PROPERTY LINE

BRIDGE

W1

W2

0.2% ANNUAL CHANCE
FLOOD HAZARD

SCM MAINTENANCE
EASEMENT

RET. WALL BY
OTHERS (TYP.)

30' SANITARY
SEWER EASEMENT

30.0' SANITARY SEWER
EASEMENT

20.0' PUBLIC
DRAINAGE EASEMENT

20.0' PRIVATE
DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE
EASEMENT

30.0' GREENWAY
EASEMENT

10.0'
GREENWAY TRAIL

30.0' DRAINAGE &
ACCESS EASEMENT

30.0' STREET
YARD BUFFER

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

15.0' TYPE II
PERIMETER BUFFER

10.0'
BERM

PROPOSED OVERHEAD
POWER RELOCATION

EX. 12" DIP W/L

EX. SSMH #1 thru #13

SSMH #36 thru #39, #45, #45A, #46, #46A, #61, #62, #64, #67, #74, #78

INSIDE DROP MANIFOLD

8" BLOW OFF ASSEMBLY

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

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

FHA W/T
3'X3' CORWLE

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

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

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

8" 22.5° BEND

8" 45° BEND

8" DIP W/L

12" DIP W/L

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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK PROJECT P&P-23-03

NOT FOR CONSTRUCTION

SCALE: AS SHOWN

DESIGNED BY: JWL

DRAWN BY: SRG

CHECKED BY: JWL

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

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-7.4

38 OF 133

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

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

FOR CONTINUATION, SEE C-7.4

MATCH LINE

JONESVILLE RD
60' R/W

MEASURED MILE

SCM #7
WET POND

PUBLIC ALLEY '4'
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

SCM #8
WET POND

POCKET PARK II

PUBLIC ALLEY '2'
20' PUBLIC R/W

MCCREADY COURT
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

BASKETBALL & EXERCIZE

PUBLIC ALLEY '3'
20' PUBLIC R/W

PUBLIC ALLEY '1'
20' PUBLIC R/W

POCKET PARK I

EXISTING
DRY POND

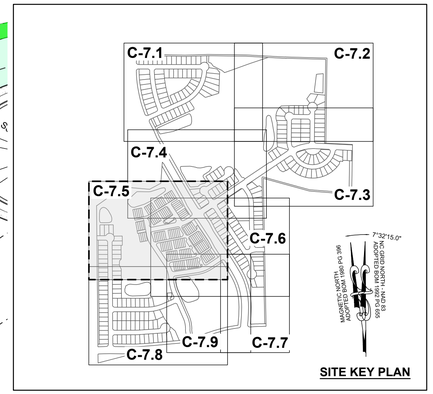
PENDULUM STREET
50' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

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

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

MATCH LINE
FOR CONTINUATION, SEE C-7.8



SITE KEY PLAN

LEGEND:
SEE SHEET C-7.0 FOR LEGEND.

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT
SEAL

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

STRONG ROCK PROJECT P3P-23-03	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN		
DESIGNED BY	JWL	DRAWN BY	SRG
CHECKED BY	JWL		

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

DRAWING SHEET
C-7.5

39 OF 133

PROGRESS PLOT DATE: 06/04/2024

PUBLIC ALLEY '4'
20' PUBLIC R/W
VEDDER LANE
50' PUBLIC R/W
LIGHTING BOLT LANE
62' PUBLIC R/W
GIGATON STREET
50' PUBLIC R/W
JONESVILLE RD
60' R/W
AMENITY CENTER
POCKET PARK II
PUBLIC ALLEY '2'
20' PUBLIC R/W
MCCREADY COURT
50' PUBLIC R/W
PUBLIC ALLEY '3'
20' PUBLIC R/W
PUBLIC ALLEY '1'
20' PUBLIC R/W
POCKET PARK I
COUNTER STREET
50' PUBLIC R/W
MONKEYWRENCH STREET
50' PUBLIC R/W
BETTERMAN DRIVE
50' PUBLIC R/W
OCEANS COURT
50' PUBLIC R/W
JONESVILLE RD
60' R/W
PLAZA
FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC
SCM #2
WET POND
CRICKET PITCH
STREAM G

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.7

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

TOWNHOME NOTES:

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

7°32'15.0" NC GRID NORTH - NAD 83 ADOPTED BOM 1992 PG 655
MAGNETIC NORTH ADOPTED BOM 1980 PG 996

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

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No.	REVISIONS	DATE	BY

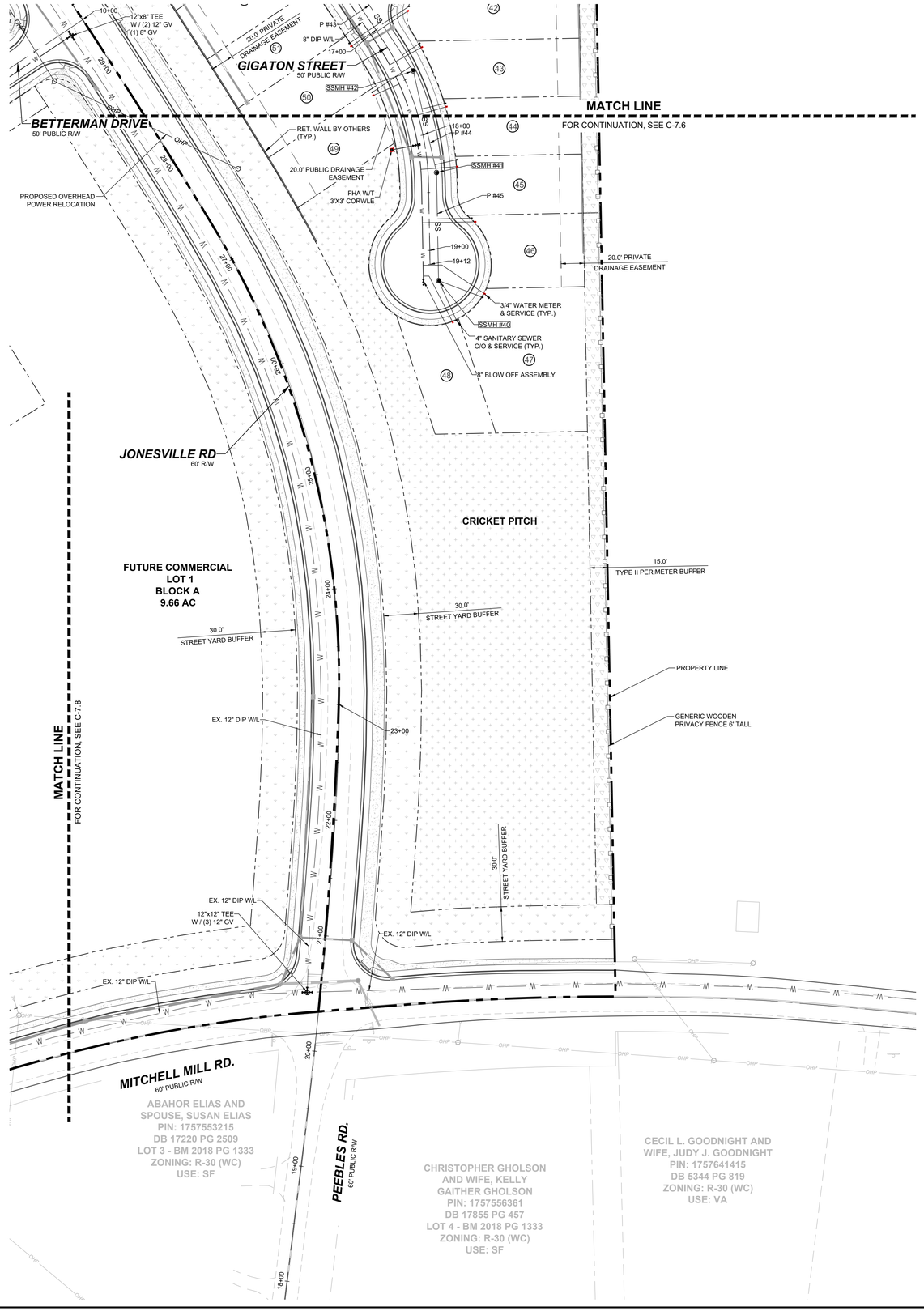
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

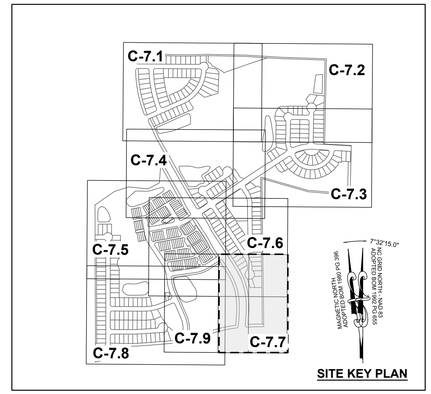
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

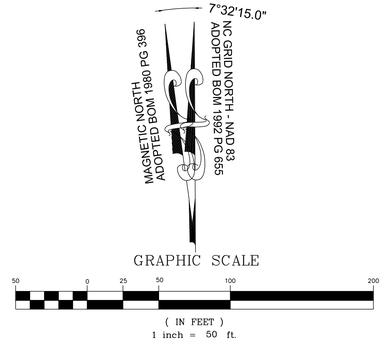
DRAWING SHEET
C-7.6





LEGEND:

SEE SHEET C-7.0 FOR LEGEND.



No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

PARTIAL UTILITY PLAN VII

DRAWING SHEET

C-7.7

41 OF 133

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: 06/04/2024

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.7

BETTERMAN DRIVE
50' PUBLIC R/W

EVEN FLOW LANE
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

YELLOW MOON COURT
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

NEIGHBOURHOOD PARK

SCM #1
WET POND

SCM #2
WET POND

SCM MAINTENANCE EASEMENT

RET. WALL BY OTHERS (TYP.)

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

30.0' GREENWAY EASEMENT

10.0' GREENWAY

20.0' NC EASEMENT

10.0' BERM

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

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

FHA W/T 3'X3' CORWLE

8" DIP W/L

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

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

8" BLOW OFF ASSEMBLY

8" 45° BEND

EX. 12" DIP W/L

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

P #74
P #73
P #72
P #71
P #70
P #69
P #68
P #80

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

30.0' STREET YARD BUFFER

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC

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

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

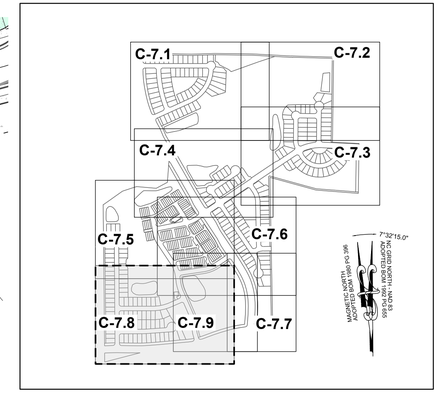
TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE
PIN: 1757357764
DB 9236 PG 2229
LOT 3
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

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

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

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

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

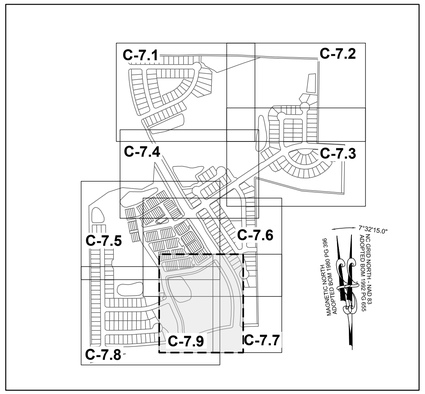
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET
C-7.8

42 OF 133



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

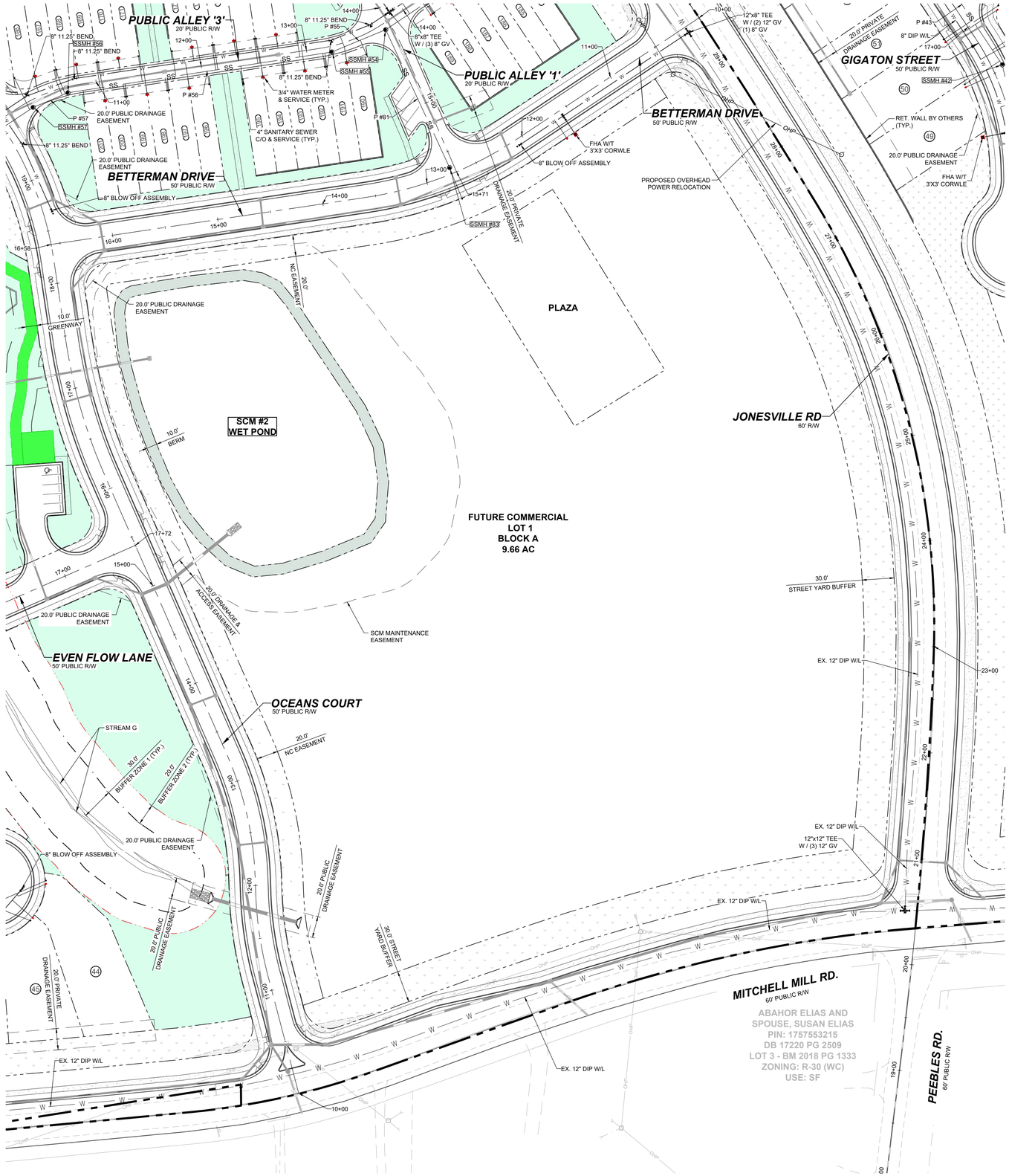
TOWNHOME NOTES:

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

PARTIAL UTILITY PLAN IX

DRAWING SHEET

C-7.9

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	PVC - SDR 26	8"	296	250.76	249.28	0.50%
P #02	PVC - SDR 26	8"	205	249.08	248.06	0.50%
P #03	PVC - SDR 26	8"	237	247.86	246.68	0.50%
P #04	PVC - SDR 26	8"	83	246.48	243.09	4.11%
P #05	PVC - SDR 26	8"	86	242.89	241.83	1.23%
P #06	PVC - SDR 26	8"	83	241.63	241.22	0.50%
P #07	PVC - SDR 26	8"	100	241.02	240.52	0.50%
P #08	PVC - SDR 26	8"	121	240.32	239.37	0.78%
P #09	PVC - SDR 26	8"	280	239.17	236.76	0.86%
P #10	PVC - SDR 26	8"	140	251.59	245.70	4.20%
P #11	PVC - SDR 26	8"	134	245.50	242.15	2.51%
P #12	PVC - SDR 26	8"	137	241.95	239.69	1.65%
P #13	PVC - SDR 26	8"	50	239.49	238.32	2.35%
P #14	PVC - SDR 26	8"	193	236.56	234.11	1.27%
P #15	PVC - SDR 26	8"	157	233.91	230.95	1.88%
P #16	PVC - SDR 26	8"	129	254.90	253.26	1.27%
P #17	PVC - SDR 26	8"	250	257.50	253.26	1.69%
P #18	PVC - SDR 26	8"	257	253.06	251.78	0.50%
P #19	PVC - SDR 26	8"	302	251.58	250.07	0.50%
P #20	PVC - SDR 26	8"	58	249.87	248.16	2.93%
P #21	PVC - SDR 26	8"	50	247.96	246.51	2.91%
P #22	PVC - SDR 26	8"	162	277.66	272.52	3.18%
P #23	PVC - SDR 26	8"	86	272.32	267.42	5.68%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #24	PVC - SDR 26	8"	91	267.22	261.08	6.74%
P #25	PVC - SDR 26	8"	61	260.88	258.23	4.32%
P #26	PVC - SDR 26	8"	87	258.03	256.45	1.82%
P #27	PVC - SDR 26	8"	87	256.25	253.00	3.73%
P #28	PVC - SDR 26	8"	100	252.80	250.80	1.99%
P #29	PVC - SDR 26	8"	87	250.60	249.16	1.66%
P #30	PVC - SDR 26	8"	64	248.96	246.14	4.39%
P #31	PVC - SDR 26	8"	226	245.94	242.49	1.53%
P #32	PVC - SDR 26	8"	184	242.29	238.15	2.24%
P #33	PVC - SDR 26	8"	253	235.65	234.39	0.50%
P #34	PVC - SDR 26	8"	242	284.63	265.29	8.00%
P #35	PVC - SDR 26	8"	272	262.79	247.30	5.70%
P #36	PVC - SDR 26	8"	68	247.10	246.76	0.50%
P #37	PVC - SDR 26	8"	113	246.56	245.00	1.38%
P #38	PVC - SDR 26	8"	46	234.19	233.95	0.50%
P #39	PVC - SDR 26	8"	136	233.75	233.08	0.50%
P #40	PVC - SDR 26	8"	176	232.88	231.99	0.50%
P #40A	DIP	8"	229	231.79	230.65	0.50%
P #41	PVC - SDR 26	8"	200	268.07	256.90	5.59%
P #41A	PVC - SDR 26	8"	177	256.70	248.86	4.43%
P #42	PVC - SDR 26	8"	267	278.60	268.27	3.86%
P #43	PVC - SDR 26	8"	274	294.38	278.80	5.69%
P #44	PVC - SDR 26	8"	90	299.72	294.58	5.72%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #45	PVC - SDR 26	8"	93	304.02	299.92	4.40%
P #46	DIP	8"	62	230.45	230.14	0.50%
P #46A	DIP	8"	296	229.94	228.46	0.50%
P #47	DIP	8"	66	228.26	227.93	0.50%
P #48	DIP	8"	116	227.73	225.46	1.95%
P #49	PVC - SDR 26	8"	106	268.24	260.79	7.00%
P #50	PVC - SDR 26	8"	44	258.29	256.66	3.75%
P #51	PVC - SDR 26	8"	317	256.46	248.88	2.39%
P #52	PVC - SDR 26	8"	35	248.68	247.25	4.10%
P #53	PVC - SDR 26	8"	30	247.05	246.50	1.80%
P #54	PVC - SDR 26	8"	150	281.01	274.73	4.19%
P #55	PVC - SDR 26	8"	55	274.27	273.38	1.62%
P #56	PVC - SDR 26	8"	251	273.18	263.91	3.69%
P #57	PVC - SDR 26	8"	35	263.71	260.70	8.49%
P #58	PVC - SDR 26	8"	40	260.50	259.36	2.86%
P #59	PVC - SDR 26	8"	261	259.16	246.50	4.84%
P #60	PVC - SDR 26	8"	84	246.30	242.20	4.90%
P #61	PVC - SDR 26	8"	92	242.00	240.90	1.19%
P #62	PVC - SDR 26	8"	223	250.21	243.44	3.03%
P #63	PVC - SDR 26	8"	104	245.48	243.44	1.98%
P #64	PVC - SDR 26	8"	272	243.24	237.63	2.06%
P #65	PVC - SDR 26	8"	27	237.43	236.33	4.15%
P #66	PVC - SDR 26	8"	110	236.13	235.58	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #67	PVC - SDR 26	8"	80	235.38	234.98	0.50%
P #68	DIP	8"	325	263.17	261.54	0.50%
P #69	PVC - SDR 26	8"	296	264.85	263.37	0.50%
P #70	PVC - SDR 26	8"	396	264.77	262.41	0.60%
P #71	PVC - SDR 26	8"	126	284.29	277.76	5.17%
P #72	DIP	8"	247	261.34	260.11	0.50%
P #73	DIP	8"	288	259.91	258.47	0.50%
P #74	PVC - SDR 26	8"	223	258.27	257.16	0.50%
P #75	PVC - SDR 26	8"	290	256.96	255.51	0.50%
P #76	PVC - SDR 35	8"	172	234.78	231.63	1.83%
P #77	PVC - SDR 35	8"	157	231.43	230.65	0.50%
P #78	PVC - SDR 35	8"	47	230.45	230.21	0.50%
P #79	PVC - SDR 26	8"	124	254.69	255.31	0.50%
P #80	PVC - SDR 26	8"	100	264.97	265.47	0.50%
P #81	PVC - SDR 26	8"	143	276.77	286.48	6.79%
P #82	DIP	8"	339	253.30	229.01	7.15%
P #83	PVC - SDR 35	8"	31	227.51	225.98	4.86%
P #84	PVC - SDR 26	8"	148	240.70	236.33	2.96%
P #85	PVC - SDR 26	8"	107	243.08	242.30	0.73%
P #86	PVC - SDR 26	8"	67	230.26	229.92	0.50%
P #87	PVC - SDR 26	8"	58	230.75	230.46	0.50%

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SSMH #01	4'	259.64		250.76 E
SSMH #02	4'	257.52	249.28 W	249.08 E
SSMH #03	4'	256.10	248.06 W	247.86 E
SSMH #04	4'	254.40	246.68 W	246.48 S
SSMH #05	4'	253.20	243.09 N	242.89 S
SSMH #06	4'	251.95	241.83 N	241.63 SW
SSMH #07	4'	250.79	241.22 NE	241.02 SW
SSMH #08	4'	249.78	240.52 NE	240.32 SW
SSMH #09	4'	249.11	239.37 NE	239.17 SW
SSMH #10	4'	257.33		251.59 S
SSMH #11	4'	254.40	245.70 N	245.50 S
SSMH #12	4'	251.62	242.15 N	241.95 S
SSMH #13	4'	248.69	239.69 N	239.49 SE
SSMH #14	4'	247.66	236.76 NE 238.32 NW	236.56 SW
SSMH #15	4'	241.32	234.11 NE	233.91 SE
SSMH #16	4'	260.66		254.90 S
SSMH #17	4'	265.86		257.50 N
SSMH #18	4'	262.20	253.26 N 253.26 S	253.06 W
SSMH #19	5'	264.14	251.78 E	251.58 S
SSMH #20	4'	257.86	250.07 N	249.87 S
SSMH #21	4'	256.43	248.16 N	247.96 SE
SSMH #22	4'	286.97		277.66 W
SSMH #23	4'	279.55	272.52 E	272.32 S

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SSMH #24	4'	274.48	267.42 N	267.22 SW
SSMH #25	4'	265.51	258.23 NE	258.03 W
SSMH #26	4'	262.13	256.45 E	256.25 W
SSMH #27	4'	260.47	253.00 E	252.80 NW
SSMH #28	4'	258.56	250.80 SE	250.60 NW
SSMH #29	4'	256.92	249.16 SE	248.96 NW
SSMH #30	4'	256.07	246.14 SE 246.51 NW	245.94 SW
SSMH #31	4'	250.24	242.49 NE	242.29 SW
SSMH #32	5'	251.19	238.15 NE	235.65 SW
SSMH #33	4'	292.03		284.63 N
SSMH #34	4'	273.76	265.29 S	262.79 N
SSMH #35	4'	256.83	247.30 S	247.10 N
SSMH #36	4'	254.96	246.76 S	246.56 NW
SSMH #37 INSIDE DROP MANHOLE	6'	252.66	234.39 NE 245.00 SE	234.19 N
SSMH #37A	5'	252.49	233.95 S	233.75 NW
SSMH #38	5'	247.80	233.08 SE	232.88 SW
SSMH #39	5'	251.21	231.99 NE	231.79 SW
SSMH #40	4'	311.82		304.02 N
SSMH #41	4'	307.93	299.92 S	299.72 N
SSMH #42	4'	303.54	294.58 S	294.38 NW
SSMH #43	5'	292.91	278.80 SE	278.60 NW
SSMH #44	4'	276.62	268.27 SE	268.07 NW
SSMH #45	5'	268.98	256.90 SE	256.70 NW

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SSMH #45A INSIDE DROP MANHOLE	6'	256.93	248.86 SE 230.65 NE	230.45 NW
SSMH #46	6'	255.60	230.14 SE	229.94 W
SSMH #46A	6'	252.38	228.46 E	228.26 NW
SSMH #47	6'	249.75	227.93 SE	227.73 W
SSMH #48	4'	277.27		268.24 SW
SSMH #49	4'	269.79	260.79 NE	258.29 W
SSMH #50	4'	266.79	256.66 E	256.46 W
SSMH #51	4'	257.09	248.88 E	248.68 SW
SSMH #52	4'	256.56	247.25 NE	247.05 SW
SSMH #53	4'	286.70		281.01 SW
SSMH #54	4'	282.53	274.73 NE 276.77 SE	274.27 W
SSMH #55	4'	280.40	273.38 E	273.18 W
SSMH #56	4'	272.27	263.91 E	263.71 SW
SSMH #57	4'	271.21	260.70 NE	260.50 SW
SSMH #58	4'	270.44	259.36 NE	259.16 NW
SSMH #59	4'	256.69	246.50 NE 246.50 SE	246.30 NW
SSMH #60	4'	261.29		250.21 NW
SSMH #61	4'	254.27		245.48 SW
SSMH #62	4'	252.30	243.44 SE 243.44 NE	243.24 SW
SSMH #63	5'	248.22	235.58 E	235.38 NW
SSMH #64	4'	247.62	236.33 E 236.33 S	236.13 W
SSMH #65 INSIDE DROP MANHOLE	6'	283.81	261.54 E 277.76 S	261.34 N
SSMH #66	5'	278.65	263.37 E	263.17 W

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SSMH #67	4'	275.45	264.97 E	264.77 W
SSMH #68	4'	290.12		284.29 N
SSMH #69	6'	280.06	260.11 S 262.41 E	259.91 N
SSMH #70	5'	274.89	258.47 S	258.27 N
SSMH #71	5'	269.57	257.16 S	256.96 N
SSMH #72	5'	269.69	255.51 S	255.31 W
SSMH #74	4'	241.04	234.98 SE	234.78 NW
SSMH #75	4'	236.48	231.63 SE	231.43 NE
SSMH #76	4'	240.05	230.65 SW	230.45 NW
SSMH #77	4'	272.85		264.85 W
SSMH #78	4'	247.56	237.63 NE	237.43 W
SSMH #79	4'	252.61	242.20 SE	242.00 N
SSMH #80	6'	273.99	254.69 E	253.30 N
SSMH #81	4'	236.89	229.01 S	227.51 NW
SSMH #82	4'	273.72		265.47 W
SSMH #83	4'	292.17		286.48 NW
SSMH #84	4'	269.03	261.08 NE	260.88 SW
SSMH #85	4'	250.43	240.90 S 242.30 W	240.70 N
SSMH #86	4'	248.77		243.08 E
SSMH #87	4'	239.60	230.46 W	230.26 SE
SSMH #88	4'	239.52	230.95 NW	230.75 E

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

DRAWING SHEET
C-7.10

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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

CONNECTION POINT FOR PLANNED WATER EXTENSION BY CORPUD

WATKINS RD.

EXISTING 12" DIP WATER MAIN

MITCHELL MILL RD.
60' PUBLIC R/W

PROPOSED 8" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

EXISTING 12" DIP WATER MAIN

JONESVILLE RD
100' R/W

PROPOSED 8" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

PROPOSED 8" DIP WATER MAIN

EXISTING 12" DIP WATER MAIN

PEEBLES RD.
60' PUBLIC R/W

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

100YR

7°32'15.0"

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

400 0 200 400 800 1600

(IN FEET)
1 inch = 400 ft.

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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CHECKED BY	JWL

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

OFF-SITE UTILITY PLAN

DRAWING SHEET

C-7.11