





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

- Conditions Applicable to the entire property:**
- 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 65+ acre portion of the property located east of Jonesville Road and further described as Parcel 2 on **Exhibit 2**, attached hereto shall be zoned RM-CZ. The improvements described herein may be developed in phase in accordance with a phasing plan approved by the Town of Rolesville.
  - 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.)
  - 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.
  - Affordable Housing:**
    - Prior to the issuance of the first building permit for a dwelling unit, the property owner shall donate Sixty Thousand Dollars and No Cents (\$60,000.00) to Homes for Heroes.
    - Prior to the issuance of the 200th building permit, the property owner shall donate one (1) Dwelling, Single Family, Attached (Townhouse) to Passage Homes, CASA, Habitat for Humanity of Wake County or other similar organization providing homes to low-income people.
  - 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/habitat-plant-lists/>. 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.
  - 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 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;
    - At least one fenced playground shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
    - At least one fenced dog park shall be constructed prior to the issuance of the 150th building permit for a dwelling unit;
    - 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;
    - 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 ceded 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.
    - At least one (1) community garden shall be provided prior to issuance of the 338th building permit for a dwelling unit; and
    - 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 ceded 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 Road and Jonesville Road, both as generally shown as "Potential Additional Driveway and Cross Walk Connection Per Condition #7 of Zoning Conditions" on Exhibit 1. The application to NCDOT shall include a plan for the driveway connection and crosswalk drawn by an engineer and an update to the existing traffic impact analysis prepared by a traffic engineer. If NCDOT approves such a crosswalk and/or driveway access, the property owner shall install them in accordance with the requirements of NCDOT.
- 8. Transportation Improvements:**  
To address transportation impacts reasonably expected to be generated by the development, the following road improvements shall be installed in accordance with future phasing plans approved by the Town:
- Jonesville Road:**
    - Widen Jonesville Road along the site frontage between Site Access 1 and Mitchell Mill to the roadway's ultimate cross section per Rolesville Community Transportation Plan, 2 lanes with two-way left turn lanes.
  - Mitchell Mill Road:**
    - Widen one-half section along the site frontage to this roadway's ultimate cross section per the Rolesville Community Transportation Plan, 4-lane median divided.
  - Mitchell Mill Road and Jonesville Road/Phobias Road:**
    - Provide a southbound (Jonesville Road) left turn lane with at least 100 feet of storage and appropriate decal and taper; and
    - Construct an eastbound (Mitchell Mill Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper.
  - Jonesville Road and Site Access 1:**
    - Construct the westbound approach (Site Access 1) with one ingress lane and one egress lane;
    - Provide stop-control for westbound approach (Site Access 1); and
    - Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper.
  - Jonesville Road and Site Access 2:**
    - Construct the westbound approach (Site Access 2) with one ingress lane and one egress lane;
    - Provide stop-control for westbound approach (Site Access 2); and
    - Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper.
  - Jonesville Road and Site Access 3:**
    - Construct the eastbound and westbound approaches (Site Access 3) with one ingress lane and one egress lane;
    - Provide stop-control for eastbound and westbound approach (Site Access 3);
    - Construct northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper;
    - Construct northbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decal and taper;
    - Construct a southbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper; and
    - Construct a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decal and taper.
  - Jonesville Road and Site Access 4:**
    - Construct the eastbound approach (Site Access 4) with one ingress lane and one egress lane;
    - Provide stop-control for eastbound approach (Site Access 4);
    - Provide a northbound (Jonesville Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper; and
    - Provide a southbound (Jonesville Road) right-turn lane with at least 100 feet of storage and appropriate decal and taper.
  - Mitchell Mill and Site Access 5:**
    - Construct the southbound approach (Site Access 5) with one ingress lane and one egress lane;
    - 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
    - Construct an exclusive westbound (Mitchell Mill Road) right-turn lane with at least 100 feet of storage and appropriate decal and taper.
  - Mitchell Mill and Site Access 6:**
    - Construct the southbound approach (Site Access 6) with one ingress lane and

- one egress lane striped as an exclusive right-turn lane; and
  - Provide stop-control for southbound approach (Site Access 6) restricted to right in, right-out operations.
- l. Mitchell Mill and Site Access 7:**
  - Construct the southbound approach (Site Access 7) with one ingress lane and one egress lane;
  - Provide stop-control for southbound approach (Site Access 7); and
  - Construct an exclusive eastbound (Mitchell Mill Road) left-turn lane with at least 100 feet of storage and appropriate decal and taper.
- k. Mitchell Mill Road and Site Access 8:**
  - Construct the southbound approach (Site Access 8) with one ingress lane and one egress lane striped as an exclusive right-turn lane;
  - Provide stop-control for southbound approach (Site Access 8). This proposed intersection will be restricted to right-in/right-out operations; and
  - Construct an exclusive westbound (Mitchell Mill Road) right-turn lane with at least 100 feet of storage and appropriate decal and taper.
- l. Signal Analysis and Funding:**
  - 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.
  - 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.
  - 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.
  - If no traffic signal has been warranted and approved by the Town and NCDOT at any of the locations identified in Condition 8)(i)-(iii) at full build-out of the proposed development (issuance of certificate of occupancy for the 300th 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)(i)-(iii) above when warranted and approved by NCDOT.

- Conditions Applicable to Dwelling, Single Family, Detached only:**
- All homes shall include either crawl space foundations or stem wall foundations. Any stem wall foundations shall be at least eighteen inches (18") in height across the front facade of the home and shall have brick or stone veneer on all sides facing a public street.
  - The minimum building square footage shall be 2,000 square feet.
- Conditions Applicable to Dwellings, Single Family, Attached (Townhouse) only:**
- No Dwelling, Single Family, Attached (Townhouse) building shall exceed six (6) dwellings.
  - The minimum building square footage for townhomes shall be 1,200 square feet.
- Conditions Applicable to the NC-CZ District only:**
- All uses permitted in the Neighborhood Center Mixed-Use district shall be permitted within the NC-CZ except Dwellings, Multiple Family (apartments) shall only be permitted in buildings with commercial uses located on the ground floor.

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

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

Date:

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

Date:

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

Date:

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

Date:

Signature: Print Name: Leigh Fowler *Leigh Fowler*

Date: 3/7/2024

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

Date: 3-7-24

CONSTRUCTION INFRASTRUCTURE DRAWINGS					REVISIONS	DATE	BY
01	CID-24-04	08/04/2024	SREG				
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG				
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG				
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG				
05	TOWN OF ROLESVILLE CID-24-04 V5	08/02/2025	SREG				
No.							

SEAL:



STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2766  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	SRG	SRG	SRG
DESIGNED BY	DRAWN BY	CHECKED BY			

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

DRAWING  
SHEET

C-1.1



GENERAL CONSTRUCTION NOTES:

1. SEE GENERAL NOTES ON SHEET C-6.0.
2. WITHIN ALL NOTES, THE TERM CONTRACTOR WILL MEAN THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS OR VENDORS PERFORMING WORK ON THE PROJECT.
3. ANY CONTRACTOR SUBMITTING A BID FOR THIS PROJECT SHALL MAKE A SITE VISIT PRIOR TO SUBMITTING BID.
4. BOUNDARY DATA PERFORMED BY TIMMONS GROUP. SEE SURVEY FOR BENCHMARK & TBM INFORMATION. SURVEY IS REFERENCED TO NC GRID NAD 83. REFER TO EXISTING CONDITIONS PLAN
5. ANY RELOCATION OF BENCHMARKS SHALL BE PERFORMED BY A NC LICENSED SURVEYOR.
6. ALL WORK, CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE, WAKE COUNTY, NCDOT OR & CITY OF RALEIGH STANDARDS AND SPECIFICATIONS, LATEST EDITION.
7. ALL WORK, CONSTRUCTION AND MATERIALS WITHIN NCDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2018 NCDOT STANDARDS SPECIFICATIONS FOR ROADS AND STRUCTURES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT RIGHT-OF-WAY. TRAFFIC CONTROL SHALL BE MAINTAINED AT ALL TIMES WITH PROPER SIGNAGE, SIGNALS, LIGHTING, FLAGMEN. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
9. COPIES OF ALL PERMITS AND APPROVED PLANS MUST BE KEPT ON SITE IN A PERMIT BOX THAT IS CONSPICUOUSLY LOCATED AND EASILY ACCESSIBLE DURING CONSTRUCTION. THIS INCLUDES APPROVED CONSTRUCTION PLANS, APPROVED EROSION CONTROL PLANS, ENCROACHMENT AGREEMENTS, DRIVEWAY PERMITS, WATER/SEWER PERMITS, ETC.
10. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CONTACT THE NC ONE CALL CENTER AT LEAST 72 HOURS PRIOR TO DIGGING @ 1.800.632.4949. UNDERGROUND LINES SHOWN HEREON ARE APPROXIMATE OR AS REPORTED BY VARIOUS RESPONSIBLE PARTIES. THE SURVEYOR DOES NOT GUARANTEE THAT ANY UNDERGROUND STRUCTURES SUCH AS UTILITIES, TANKS AND PIPES ARE LOCATED HEREON.
11. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY TOWN, CITY OF RALEIGH OR NCDOT DAMAGED PROPERTY. THE CONTRACTOR SHALL REPAIR THE DAMAGED PROPERTY TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE AGENCY HOLDING JURISDICTION AT NO COST TO THE OWNER.
13. ANY DAMAGE DONE TO PRIVATE PROPERTY OWNERS SIGNS, MAILBOX, DRIVEWAY CULVERTS, LANDSCAPING OR OTHER PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION. AT NO COST TO OWNER.
14. CONTRACTOR IS RESPONSIBLE FOR FENCING AND SECURITY OF HIS LAYDOWN AND STORAGE AREA.
15. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
16. CONTRACTOR SHALL KEEP ALL ROADS FREE OF DIRT AND DEBRIS AT ALL TIMES.
17. CONTRACTOR SHALL PROTECT EXISTING PAVEMENTS AND UTILITIES FROM HEAVY EARTH MOVING EQUIPMENT. PROVIDE TRAFFIC CONTROL AND ADEQUATE PROTECTION METHODS AT ALL EQUIPMENT CROSSINGS.
18. ALL STRUCTURAL FILL MATERIAL SHALL BE FREE OF ALL STICKS, ROCKS, AND CLUMPS OF MUD. ALL ROCKS GREATER THAN 3" DURING EXCAVATION SHALL BE REMOVED.
19. CONCRETE SIDEWALKS THAT ARE TO BE REMOVED SHALL BE CUT BACK TO NEAREST EXPANSION OR CONTROL JOINT AND REPLACED WITH 4-INCH CONCRETE SIDEWALK FINISHED TO MATCH EXISTING SIDEWALKS.
20. CONTRACTOR TO COORDINATE WITH CITY OF RALEIGH FOR TEMPORARY WATER NEEDED DURING CONSTRUCTION. IF PERMITTED TO CONNECT TO EXISTING FIRE HYDRANT A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER WILL BE REQUIRED.
21. THE TRANSITION OF PROPOSED ROADWAY TO EXISTING ROADWAY SHALL BE DONE WITH A MINIMUM 8-FT TRANSITION WHERE THE EXISTING PAVEMENT IS MILLED TO A MINIMUM DEPTH OF 1-1/2" AND OVERLAID.
22. ALL PAVEMENT SAW CUTS SHALL BE NEAT, STRAIGHT AND FULL DEPTH.
23. ALL RIP-RAP IS TO BE INSTALLED WITH NON-WOVEN FILTER FABRIC BENEATH (MIRAFI 140N 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 GABC 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 OWNERS/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
CL	CENTERLINE
Ø	DIAMETER OR ROUND
PL	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 \*\*

CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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SEAL:



STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	SRG	SRG	SRG
				DESIGNED BY	DRAWN BY	CHECKED BY

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

DRAWING  
SHEET

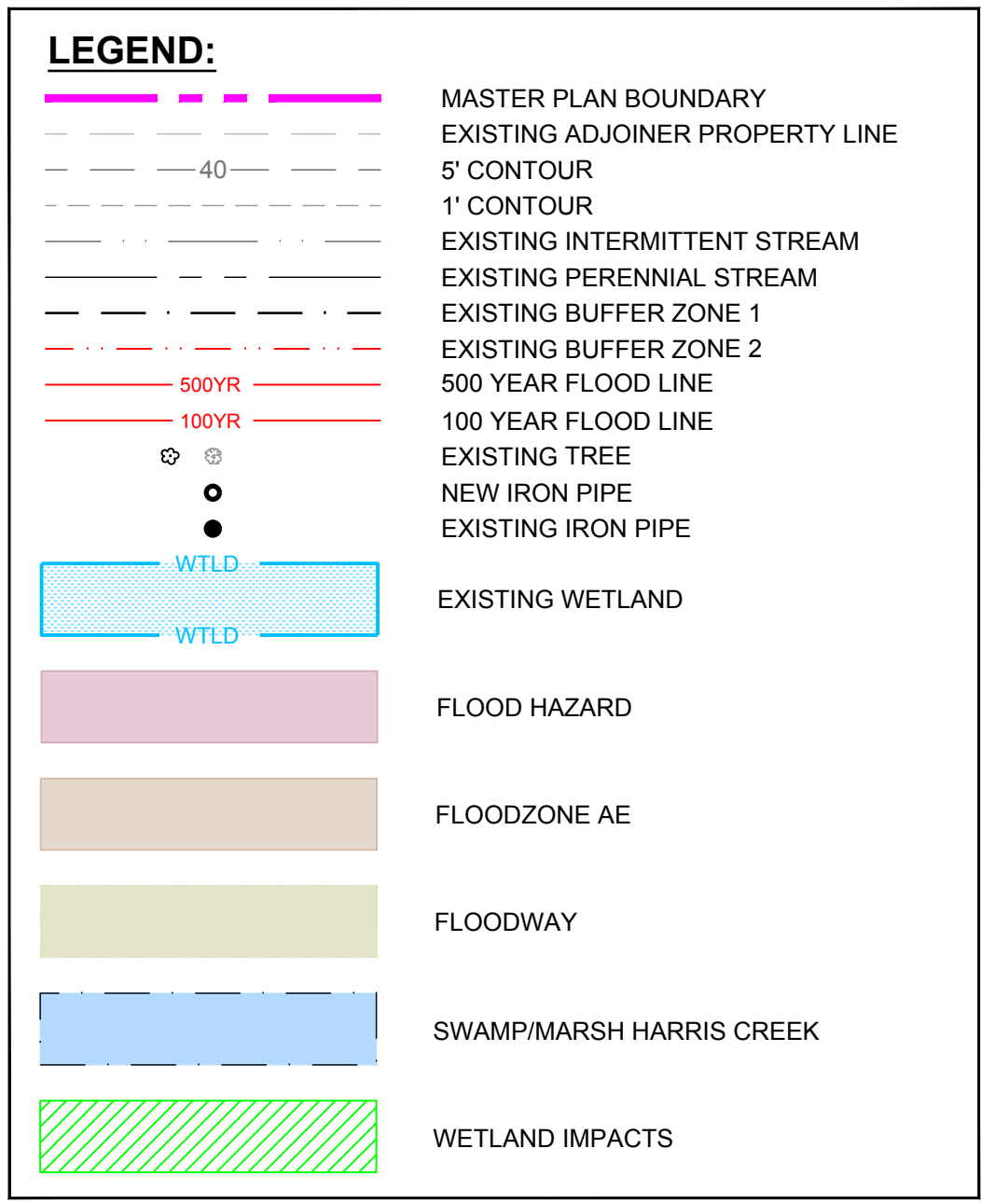
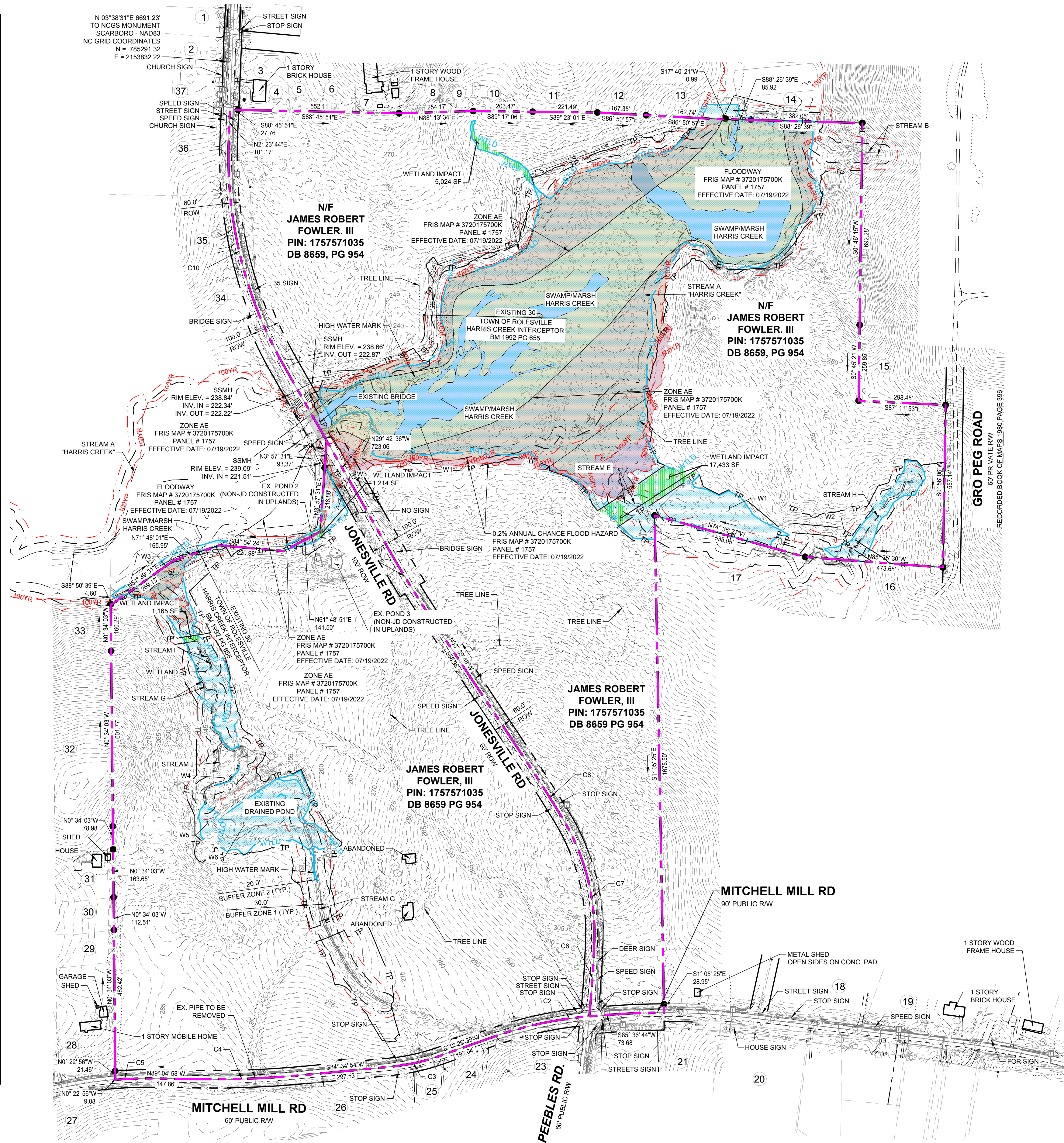
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03 OF 230

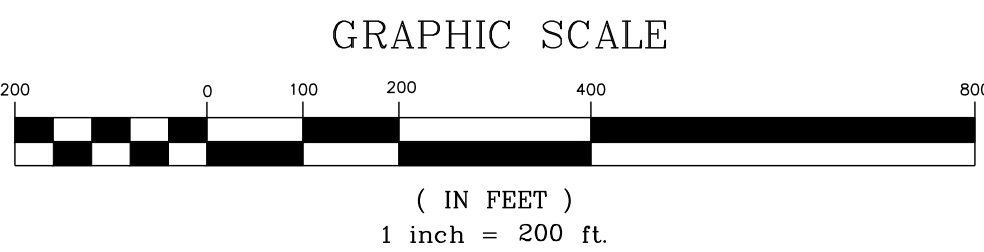
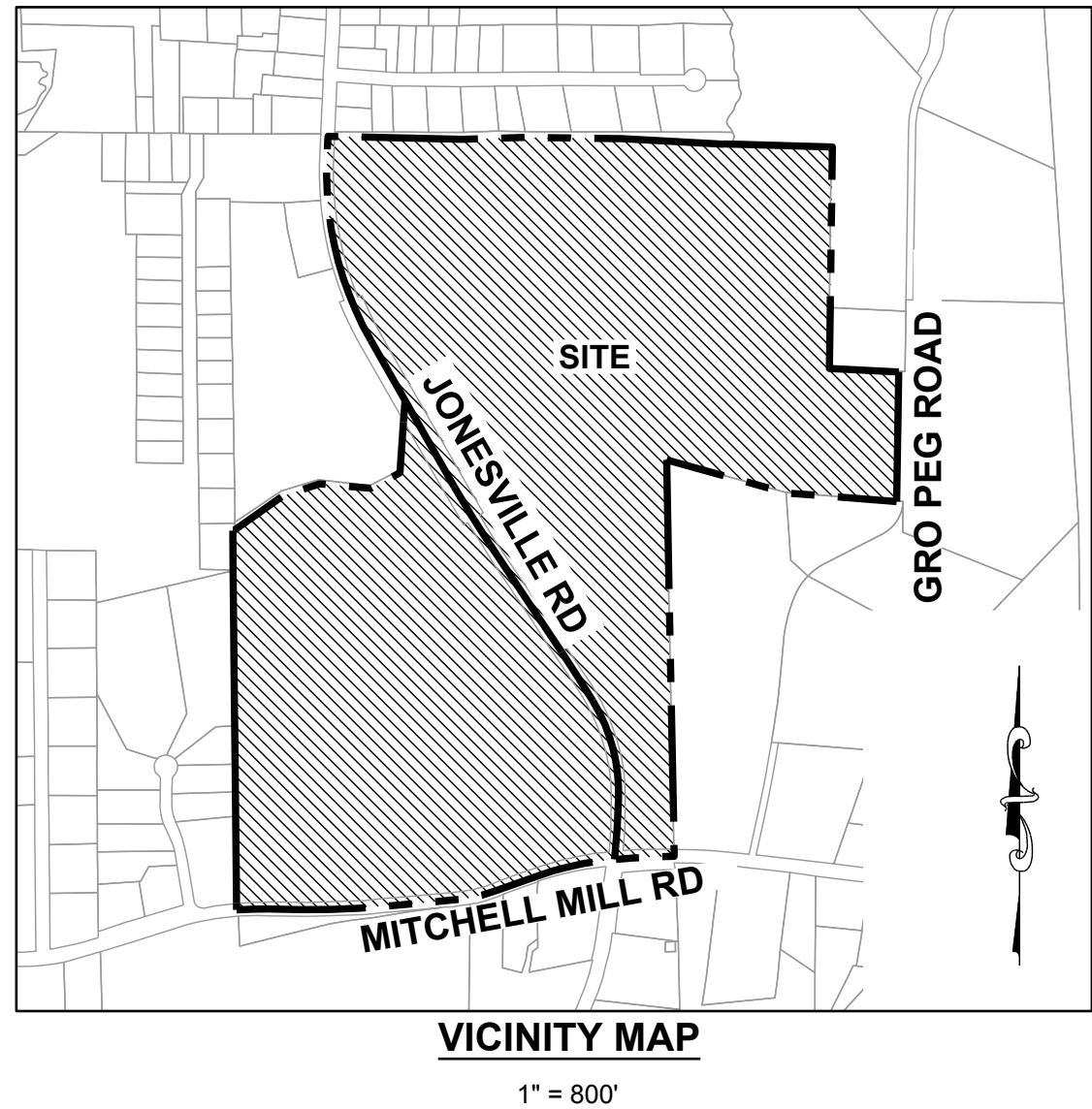


ADJOINER INFORMATION			
	CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421 ZONING: R-30 (WC) USE: SF	20	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
	ABRAHAM T. BURNHAM AND KYLA L. BURNHAM PIN: 1757481832 DB 1940 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
	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 1990 PG 956 ZONING: R-30 (WC) USE: SF
7	CHRIST HOLINESS CHURCH #1 PIN: 1757487763 DB 2928 PG 328 ZONING: R-30 (WC) USE: CH	26	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 688 ZONING: R-30 (WC) USE: FO
8	CHRIST HOLINESS CHURCH #1 PIN: 1757487763 DB 4321 PG 788 ZONING: R-30 (WC) USE: VA	27	PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 688 ZONING: R-30 (WC) USE: FO
9	CHRIST HOLINESS CHURCH #1 PIN: 1757560764 DB 8467 PG 430 ZONING: R-30 (WC) USE: VA	28	PERRY Y. ELWOOD RYAN PIN: 1757357582 DB 19292 PG 2780 ZONING: R-30 (WC) USE: MO
10	ALICIA BROWN & CARL T. JONES PIN: 1757562714 DB 16128 PG 183 ZONING: R-30 (WC) USE: SF	29	TOUUTOFF, KENNETH S. TOUUTOFF, BILLIE ANNE PIN: 1757357764 DB 9236 PG 2229 LOT 3 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
	RS RENTAL II LLC PIN: 1757564724 DB 18703 PG 2414 BM 1981 PG 894 ZONING: R-30 (WC) USE: SF	30	BERNARD MILLER PIN: 1757357665 DB 15416 PG 1651 LOT 4 - BM 1980 PG 956 ZONING: R-30 (WC) USE: SF
12	KAREN E. BASS PIN: 1757568704 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: 1757568784 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
	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
	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: 1757664658 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
	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
	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 10124 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



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



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.

STRONGROCK

ENGINEERING GROUP

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

DRAWING SHEET  
C-3.0  
04 OF 230

SEAL:

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-34-04

01 02 03 04 05

NO. REVISIONS

DATE

BY

STRONG ROCK PROJECT  
PSP-23-03

NOT FOR CONSTRUCTION

SCALE AS SHOWN

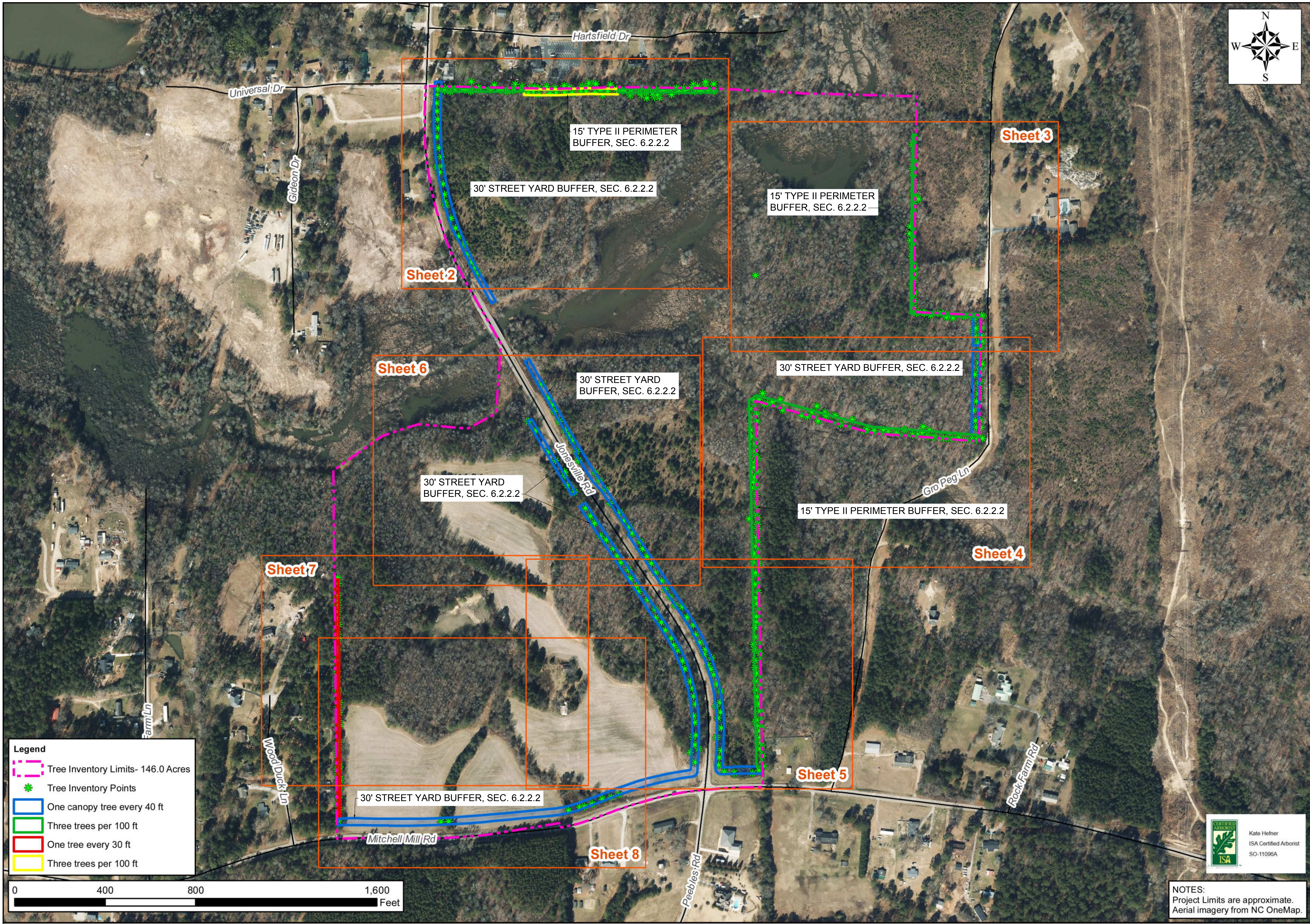
DESIGNED BY SRG

DRAWN BY SRG

CHECKED BY SRG

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





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PSP-24-03

NOT FOR  
CONSTRUCTION

SCALE  
AS SHOWN

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SRG

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SRG

CHECKED BY  
SRG

RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
OVERALL TREE INVENTORY MAP

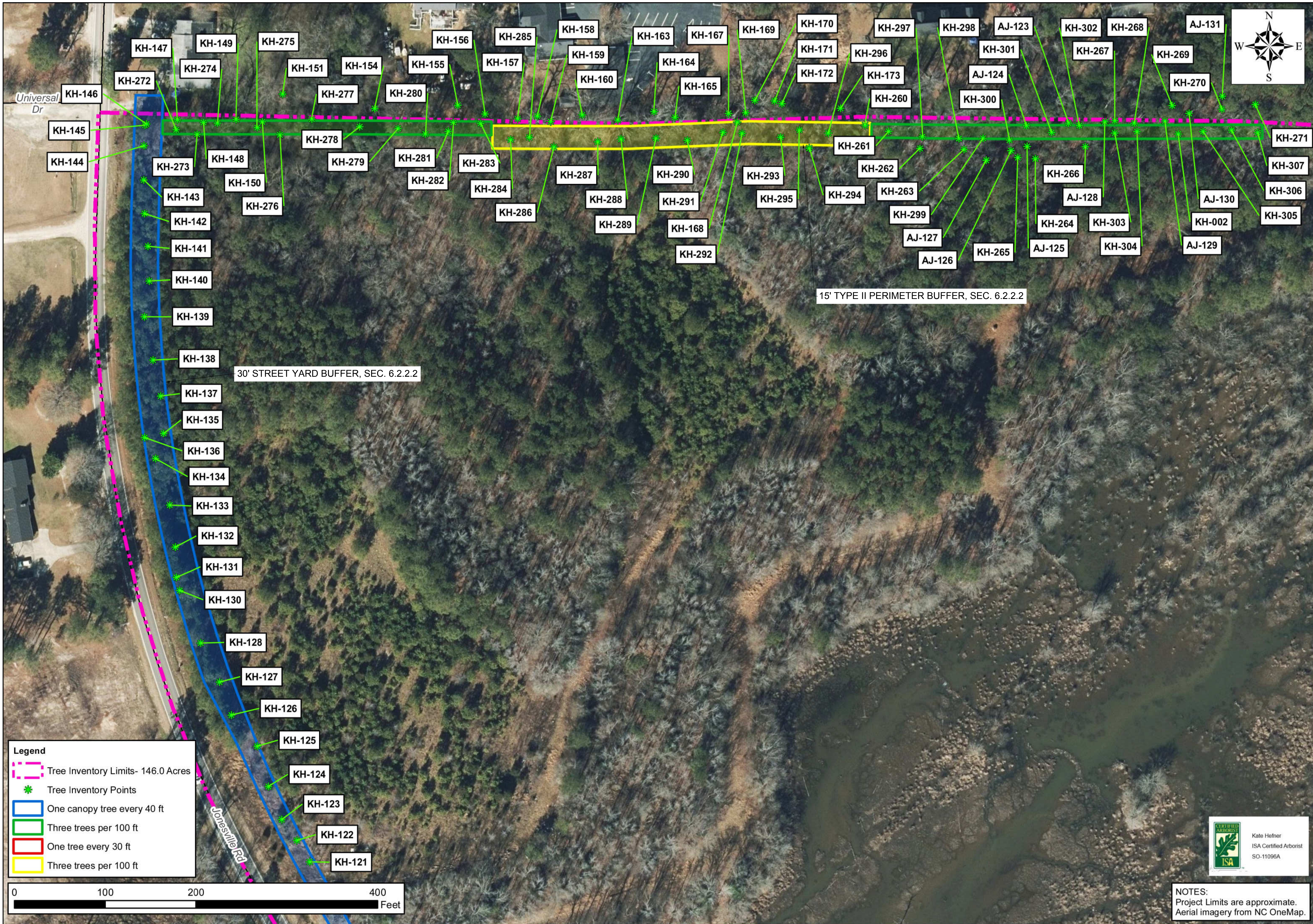
DRAWING  
SHEET  
C-3.1

05 OF 230

SEAL:

01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	08/04/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
05	TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG
No.	REVISIONS	DATE	BY





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

STRONG ROCK ENGINEERING GROUP		STRONG ROCK ENGINEERING GROUP, PLLC   COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609   INFORMATION@STRONGROCKGROUP.COM	
STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG
			DRAWN BY SRG
			CHECKED BY SRG
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS PARTIAL TREE INVENTORY MAP I		DRAWING SHEET C-3.2	
06 OF 230			

CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	08/04/2024	SRG	BY
TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG	DATE
TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG	
TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG	
TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG	
REVISIONS			
No.			





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

**CONSTRUCTION PLANS**

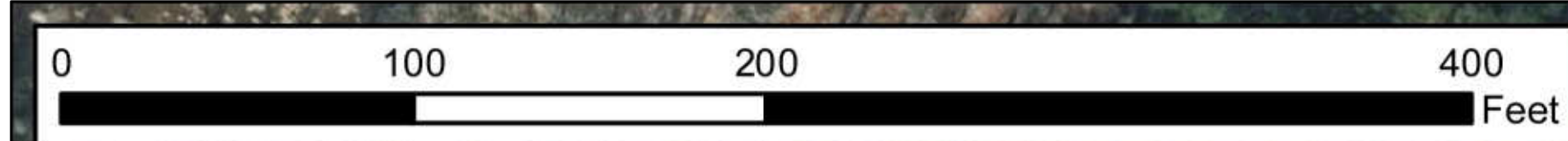
**PARTIAL TREE INVENTORY MAP III**

DRAWING  
SHEET

**C-3.3**

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.





Legend

Tree Inventory Limits- 146.0 Acres

\*

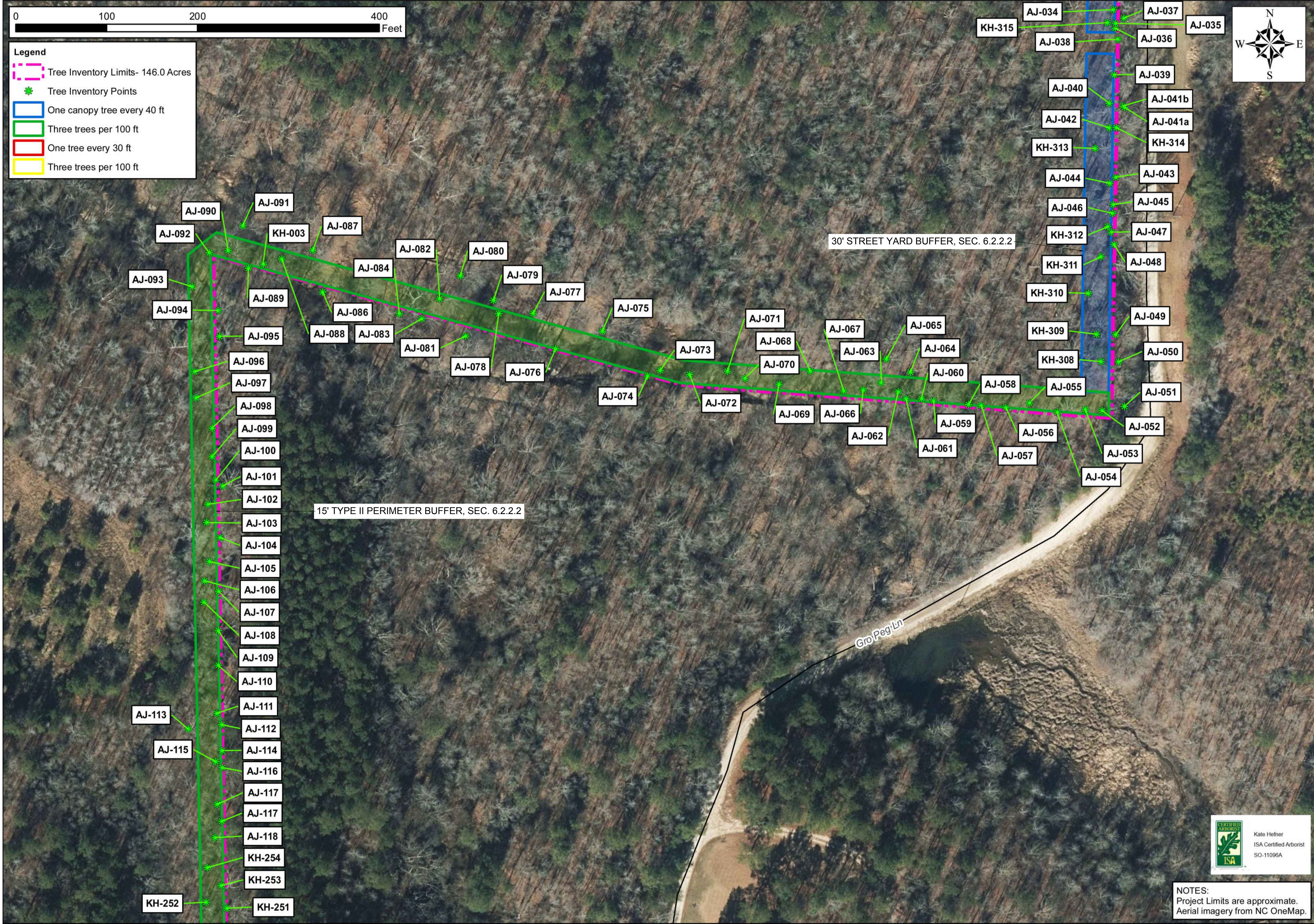
Tree Inventory Points

One canopy tree every 40 ft

Three trees per 100 ft

One tree every 30 ft

Three trees per 100 ft





Kate Heffner  
ISA Certified Arborist  
SO-11096A

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

CONSTRUCTION INFRASTRUCTURE DRAWINGS		SEAL:		REVISIONS		BY
NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE	BY
01	TOWN OF ROLESVILLE CID-24-04 V2	08/04/2024	02	TOWN OF ROLESVILLE CID-24-04 V3	11/07/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V4	02/07/2024	04	TOWN OF ROLESVILLE CID-24-04 V5	08/02/2025	SRG
05	TOWN OF ROLESVILLE CID-24-04 V6	09/02/2025	06			SRG
07			08			SRG
09			10			SRG

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

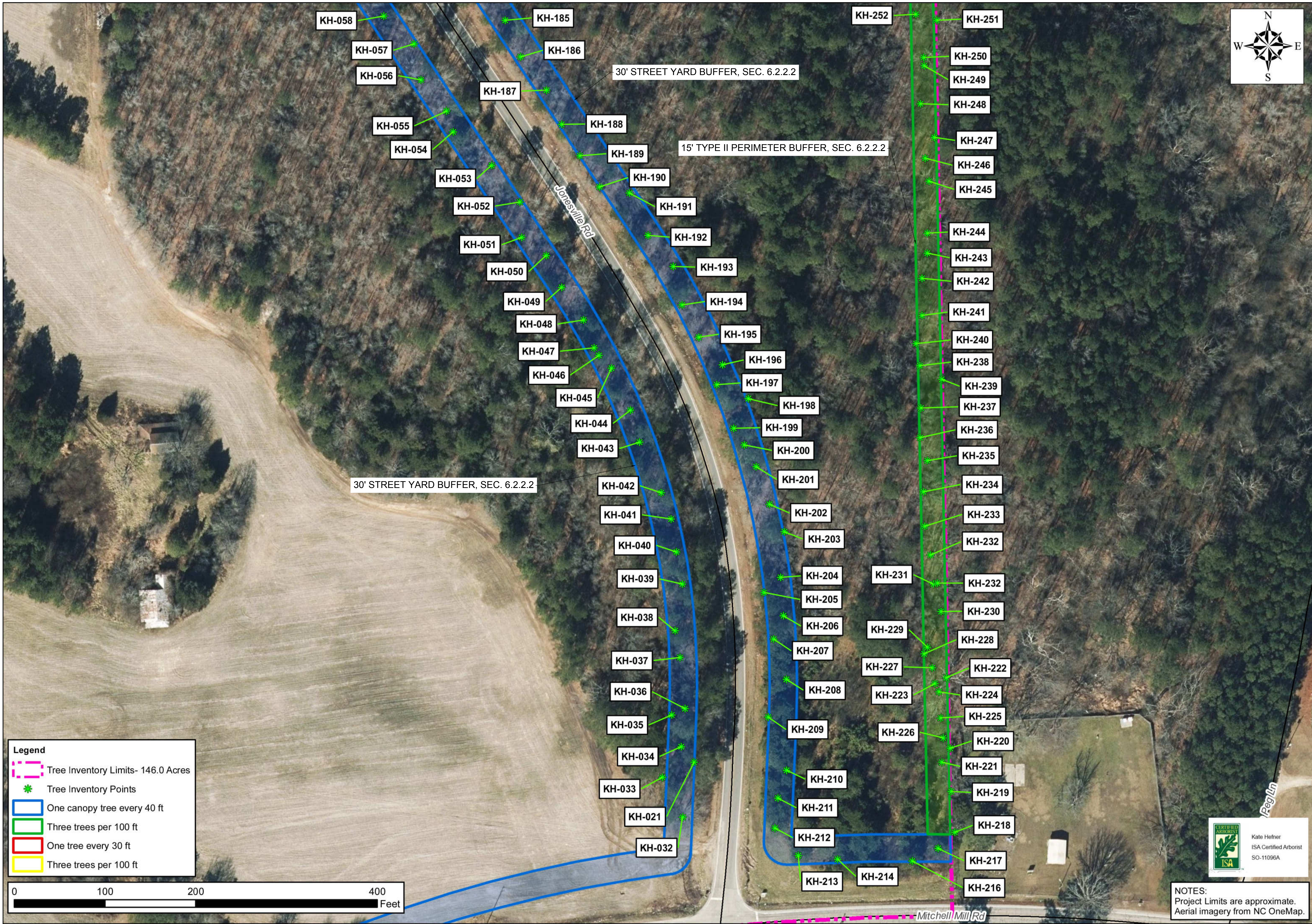
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
PSP-24-03	AS SHOWN	SRG	SRG	SRG	SRG

RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL TREE INVENTORY MAP III

DRAWING SHEET

C-3.4

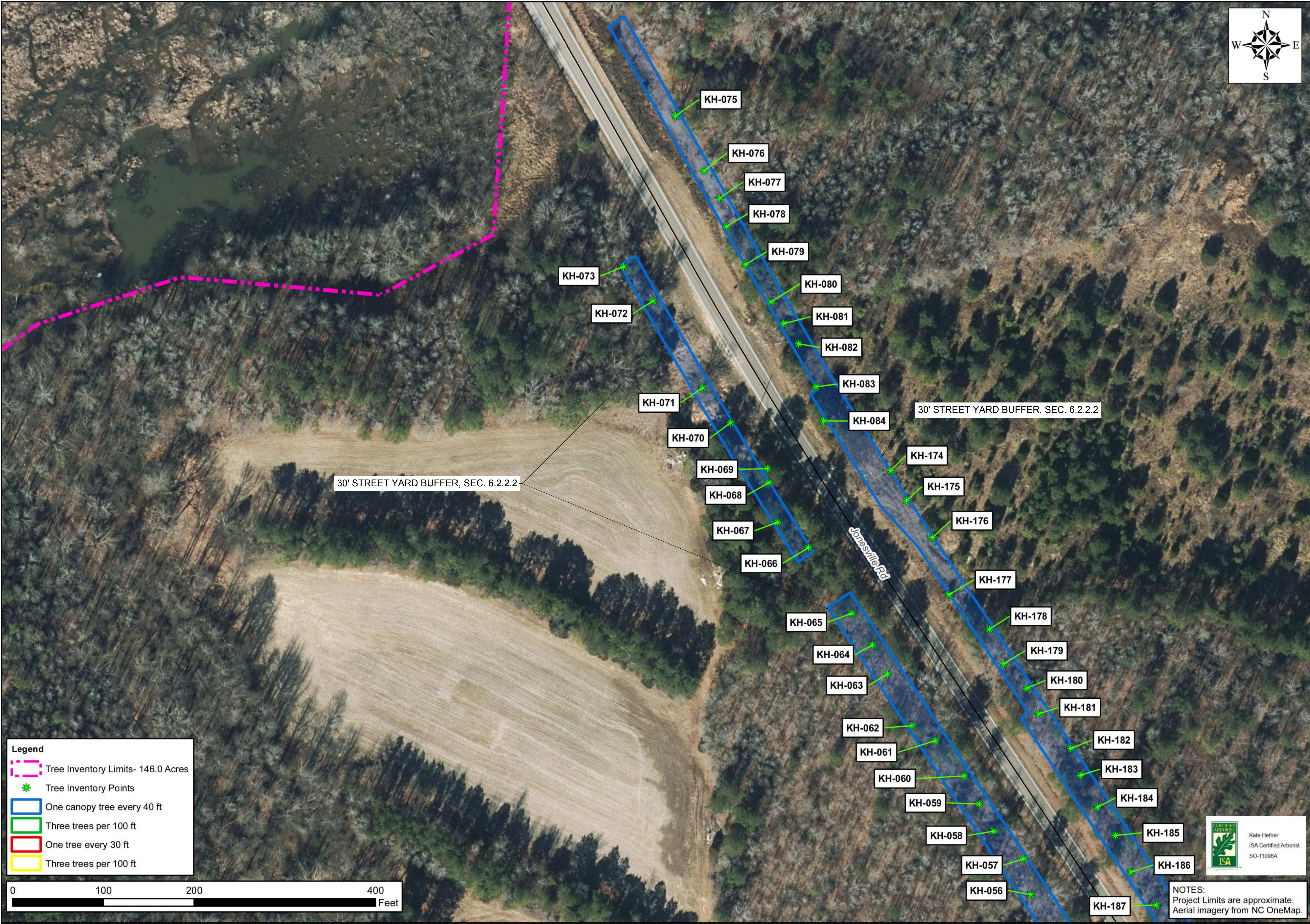




STRONG ROCK ENGINEERING GROUP		STRONG ROCK ENGINEERING GROUP, PLLC   COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609   INFORMATION@STRONGROCKGROUP.COM	
STRONG ROCK PROJECT PSP-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG
DRAWN BY SRG		CHECKED BY SRG	
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS PARTIAL TREE INVENTORY MAP IV			
DRAWING SHEET C-3.5			
09 OF 230			

CONSTRUCTION INFRASTRUCTURE DRAWINGS	SRG	DATE	BY
01	08/01/2024		
02	11/01/2024		
03	02/01/2024		
04	08/02/2025		
05	08/02/2025		
REVISIONS			
No.			





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

STRONGROCK

ENGINEERING GROUP

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

305 CHURCH AT NORTH HILLS STREET, SUITE 110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT  
PSP-24-03

NOT FOR  
CONSTRUCTION

SCALE  
AS SHOWN

DESIGNED BY  
SRG

DRAWN BY  
SRG

CHECKED BY  
SRG

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

CONSTRUCTION PLANS

PARTIAL TREE INVENTORY MAP V

DRAWING  
SHEET

C-3.6

10 OF 230

SEAL:

01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	08/01/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
05	TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG
No.	REVISIONS	DATE	BY





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

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PSP-24-03

NOT FOR  
CONSTRUCTION

SCALE AS SHOWN

DESIGNED BY SRG

DRAWN BY SRG

CHECKED BY SRG

RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL TREE INVENTORY MAP VI

DRAWING  
SHEET  
C-3.7

11 OF 230

SEAL:

01

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

02

TOWN OF ROLESVILLE CID-24-04 V2

03

TOWN OF ROLESVILLE CID-24-04 V3

04

TOWN OF ROLESVILLE CID-24-04 V4

05

TOWN OF ROLESVILLE CID-24-04 V5

No.

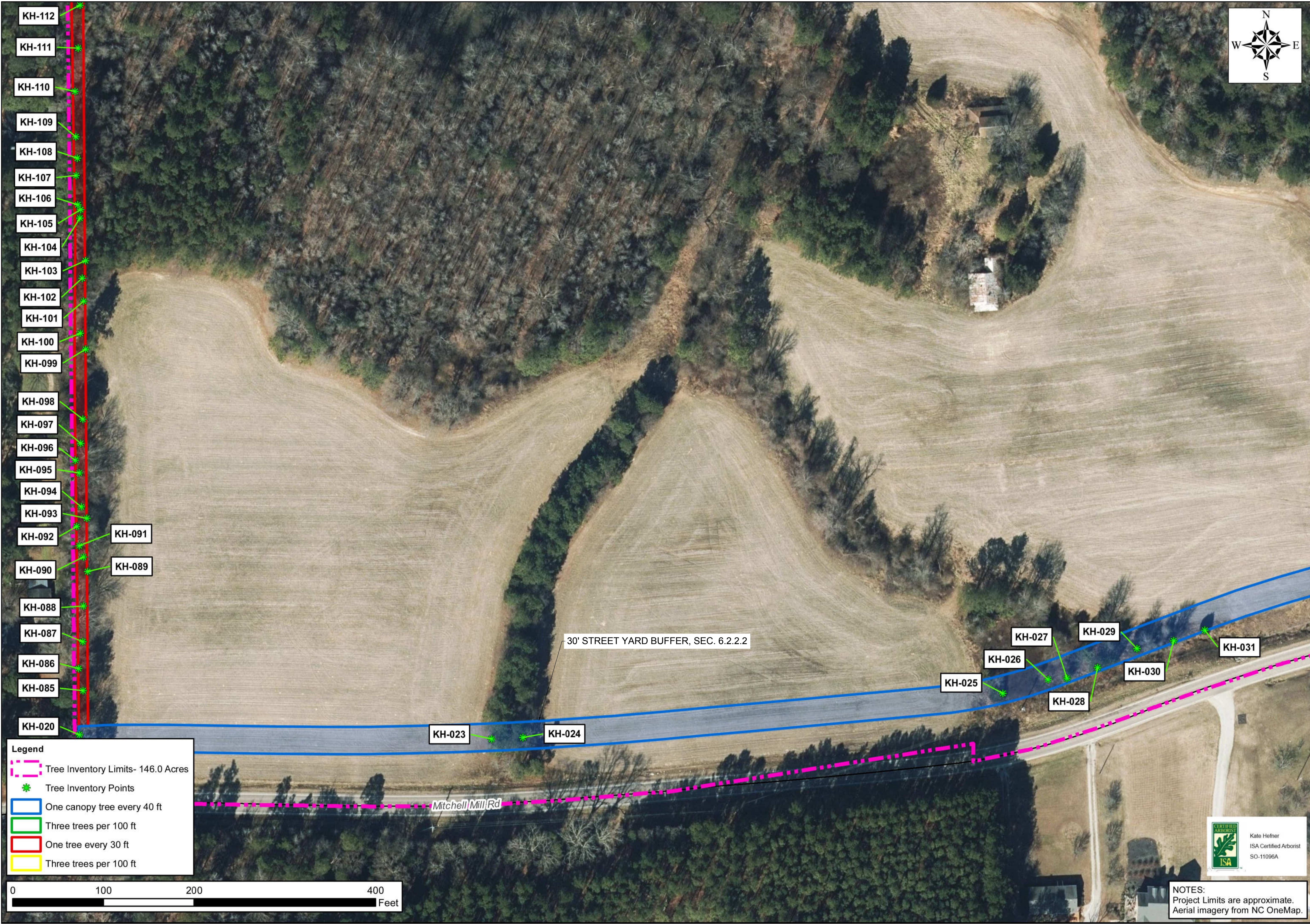
REVISIONS

DATE

BY

01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	08/01/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
05	TOWN OF ROLESVILLE CID-24-04 V5	08/02/2025	SRG
No.	REVISIONS	DATE	BY





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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL TREE INVENTORY MAP VII

DRAWING  
SHEET  
C-3.8

12 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

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Tree Code	Botanical Name	DBH	Condition Overall
AJ-001	LITU	19"	Good
AJ-002	CATO	10"	Good
AJ-003	QUAL	10"	Good
AJ-004	JUVI	14"	Good
AJ-005	CATO	13"	Good
AJ-006	QURU	10"	Good
AJ-007	QURU	8"	Good
AJ-008	LIST	18"	Good
AJ-009	QUAL	6"	Good
AJ-010	QURU	14"	Good
AJ-011	QUAL	14"	Good
AJ-012	QUAL	12"	Good
AJ-013	CATO	6"	Good
AJ-014	ACRU	14"	Good
AJ-015	QUNI	5"	Good
AJ-016	LIST	4"	Good
AJ-017	LIST	4"	Good
AJ-018	PITA	16/18"	Good
AJ-019	ACRU	4"	Good
AJ-020	QUNI	10"	Good
AJ-021	LIST	16"	Good
AJ-022a	PITA	20"	Good
AJ-022b	PITA	20"	Good
AJ-023	ACRU	13"	Good
AJ-024	QUST	22"	Fair
AJ-025	LIST	7"	Good
AJ-026	PITA	17"	Good
AJ-027	QUNI	4"	Good
AJ-028	PITA	28"	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	18"	Good
AJ-039	LIST	36"	Good
AJ-040	ACRU	22"	Good
AJ-041a	ACRU	15"	Good
AJ-041b	ACRU	18"	Good
AJ-042	LITU	12"	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"	Fair
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	5"	Good
AJ-069	ACRU	10"	Good
AJ-070	ACRU	6"	Good
AJ-071	ACRU	6"	Good
AJ-072	PRSE	9"	Good
AJ-073	DIVI	3"	Good
AJ-074	LITU	8"	Fair
AJ-075	ACRU	21"	Good
AJ-076	LITU	13"	Good
AJ-077	LIST	13"	Good
AJ-078	LIST	4"	Good
AJ-079	LITU	18"	Poor
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	JUVI	30"	Good
AJ-088	LIST	4"	Good
AJ-089	ACRU	18"	Good
AJ-090	ACRU	30"	Good
AJ-091	ACRU	30"	Good
AJ-092	LIST	4"	Good
AJ-093	LIST	9"	Good
AJ-094	FRPE	22"	Good
AJ-095	LIST	21"	Good
AJ-096	LIST	18"	Good
AJ-097	LITU	19"	Good
AJ-098	PRSE	8"	Good
AJ-099	QUNI	4"	Good
AJ-100	ILOP	4"	Good
AJ-101	QUST	29"	Poor
AJ-102	QURU	18"	Good
AJ-103	LIST	6"	Good
AJ-104	QURU	19"	Good
AJ-105	QUNI	17"	Good
AJ-106	LIST	7"	Good
AJ-107	QURU	28"	Good
AJ-108	LIST	5"	Good
AJ-109	QUST	18"	Good
AJ-110	PRSE	6"	Good
AJ-111	LIST	14"	Good
AJ-112	PITA	21"	Good
AJ-113	QUPH	18"	Good
AJ-114	PITA	28"	Good
AJ-115	CACA	5"	Good
AJ-116	QUST	20"	Good
AJ-117	CACA	6"	Good
AJ-117	CACA	7"	Good
AJ-118	QUNI	16"	Good
AJ-123	PITA	23"	Good
AJ-124	PITA	25"	Good
AJ-125	PRSE	6"	Good
AJ-126	QUNI	6"	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	ULRU	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-020	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	30"	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	QUNI	29"	Good
KH-036	LIST	8"	Good
KH-037	ULRU	14"	Good
KH-038	PITA	17"	Good
KH-039	PITA	13"	Good
KH-040	PITA	16"	Good
KH-041	QUAL	6"	Good
KH-042	PITA	18"	Good
KH-043	ULRU	6"	Good
KH-044	QUNI	5"	Fair
KH-045	QUNI	8"	Good
KH-046	QUNI	6"	Good
KH-047	PITA	21"	Good
KH-048	PITA	21"	Good
KH-049	QUNI	5"	Good
KH-050	QUNI	5"	Good
KH-051	QURU	6"	Good
KH-052	LIST	8"	Good
KH-053	QUAL	8"	Good
KH-054	PITA	20"	Good
KH-055	JUVI	6"	Good
KH-056	KOFL	3"	Good
KH-057	QUNI	5"	Good
KH-058	QUAL	10"	Good
KH-059	QUAL	5"	Good
KH-060	LIST	6"	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	8"	Good
KH-071	ULRU	12"	Good
KH-072	LIST	14"	Good
KH-073	PITA	12"	Good
KH-075	QUNI	12"	Good
KH-076	QUAL	8"	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	PRSE	25"	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

5109 Mitchell Mill Road – Tree Inventory Species List

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

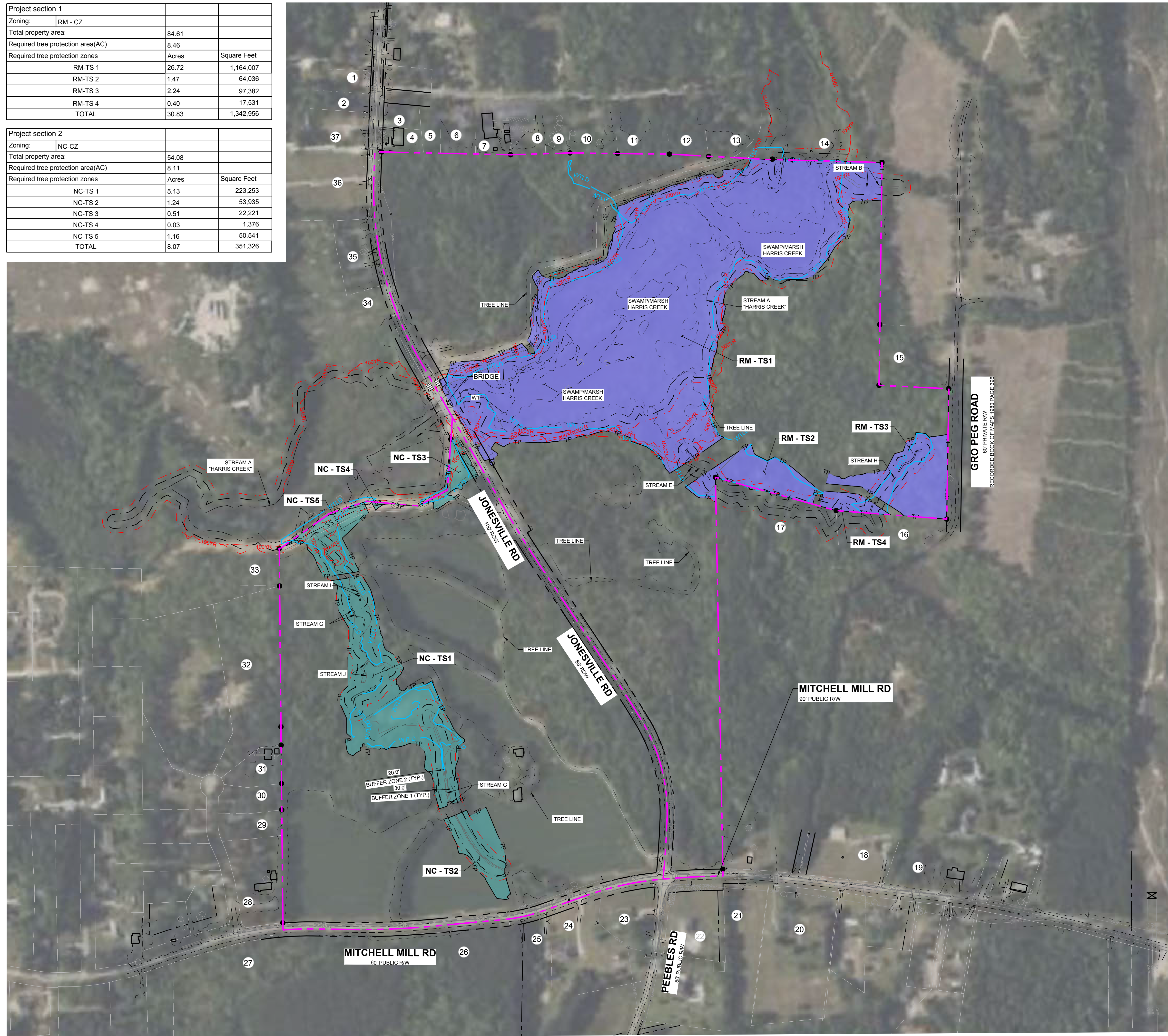
Tree Code	Botanical Name	DBH	Condition Overall
KH-132	PITA	5"	Good
KH-133	PITA	8"	Good
KH-134	PITA	14"	Good
KH-135	QUNI	7"	Good
KH-136	PITA	29"	Good
KH-137	PITA	11"	Good
KH-138	QUNI	5"	Good
KH-139	QUNI	4"	Fair
KH-140	PITA	8"	Good
KH-141	LIST	5"	Good
KH-142	PITA	14"	Good
KH-143	ULRU	10"	Good
KH-144	QUNI	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"	Good
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	8"	Good
KH-178	PITA	15"	Good
KH-179	QUNI	3"	Good
KH-180	QUNI	9"	Good
KH-181	QURU	6"	Good
KH-182	QUAL	8"	Good
KH-183	QUNI	6"	Good
KH-184	QUAL	8"	Good
KH-185	QUAL	8"	Good
KH-186	QUAL	13"	Good
KH-187	QUNI	10"	Good
KH-188	QUNI	5"	Good
KH-189	QUAL	13"	Good
KH-190	QUAL	10"	Good
KH-191	QUAL	14/13/12"	Good
KH-192	QUNI	6"	Good
KH-193	QUAL	4"	Good
KH-194	PRSE	6/5"	Good
KH-195	QUNI	7"	Good
KH-196	PRSE	7"	Good
KH-197	PITA	20"	Good
KH-198	PITA	14"	Good
KH-199	PITA	14"	Good
KH-200	PITA	20"	Good

Tree Code	Botanical Name	DBH	Condition Overall
KH-201	QUNI	4/4"	Fair
KH-202	QUNI	7"	Good
KH-203	QUAL	9"	Good
KH-204	QUNI	8"	Good
KH-205	PITA	20"	Poor
KH-206	PRSE	11"	Fair
KH-207	PITA	20"	Good
KH-208	PITA	12"	Good
KH-209	PITA	15"	Good
KH-210	PITA	13"	Good
KH-211	PITA	12"	Good
KH-212	PITA	12"	Good
KH-213	PITA	16"	Good
KH-214	PITA	10"	Good
KH-216	PITA	14"	Good
KH-217	PITA	14"	Good
KH-218	ULRU	11"	Good
KH-219	QUNI	4"	Good
KH-220	ULRU	15"	Good
KH-221	JUVI	5"	Good
KH-222	QURU	56"	Good
KH-223	QURU	22"	Good
KH-224	QURU	25"	Good
KH-225	ULRU	10"	Good
KH-226	CATO	6"	Good
KH-227	QURU	11"	Good
KH-228	PITA	22"	Good
KH-229	QURU	13"	Good
KH-230	QUAL	16"	Good
KH-231	QURU	17"	Fair
KH-232	QURU	18"	Good
KH-233	QURU	20/11"	Good
KH-234	QURU	10/11/11"	Fair
KH-235	QURU	8"	Good
KH-236	QUAL	9/7/7"	Good
KH-237	QURU	10"	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	9"	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



Project section 1			
Zoning:	RM - CZ		
Total property area:		84.61	
Required tree protection area(AC)		8.46	
Required tree protection zones		Acre	Square Feet
RM-TS 1		26.72	1,164,007
RM-TS 2		1.47	64,036
RM-TS 3		2.24	97,382
RM-TS 4		0.40	17,531
TOTAL		30.83	1,342,956

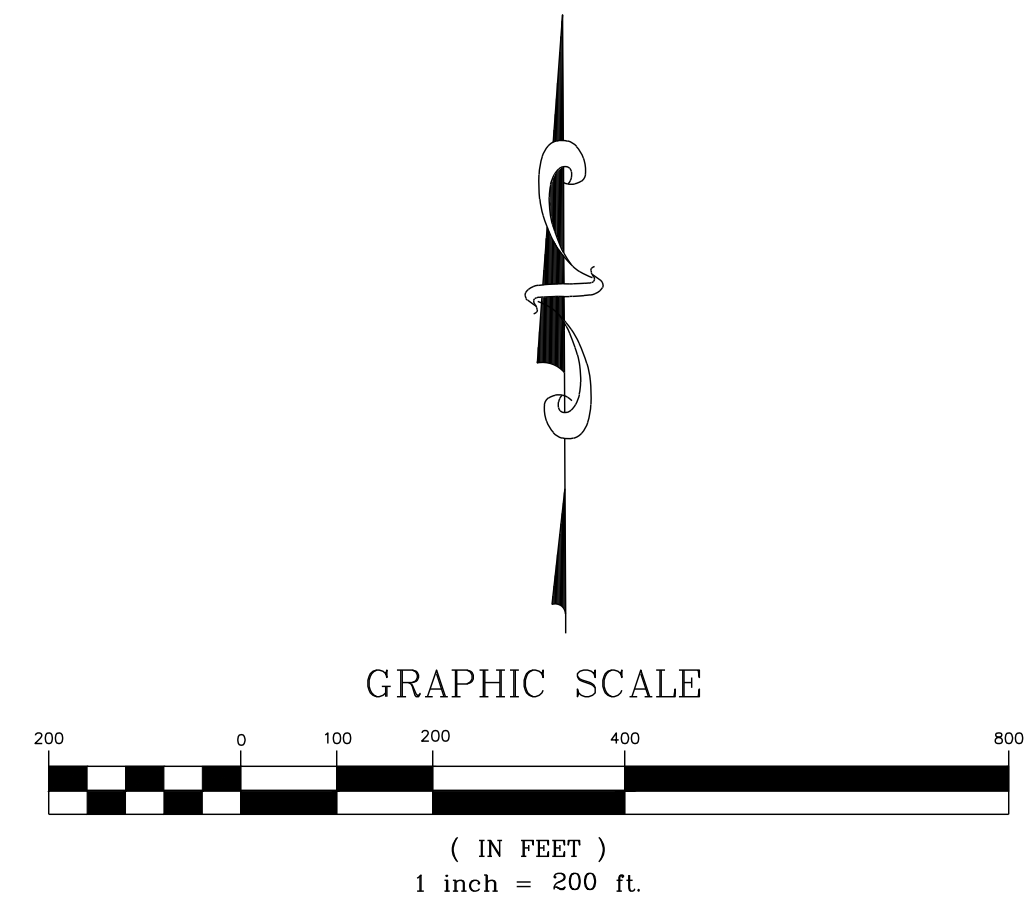
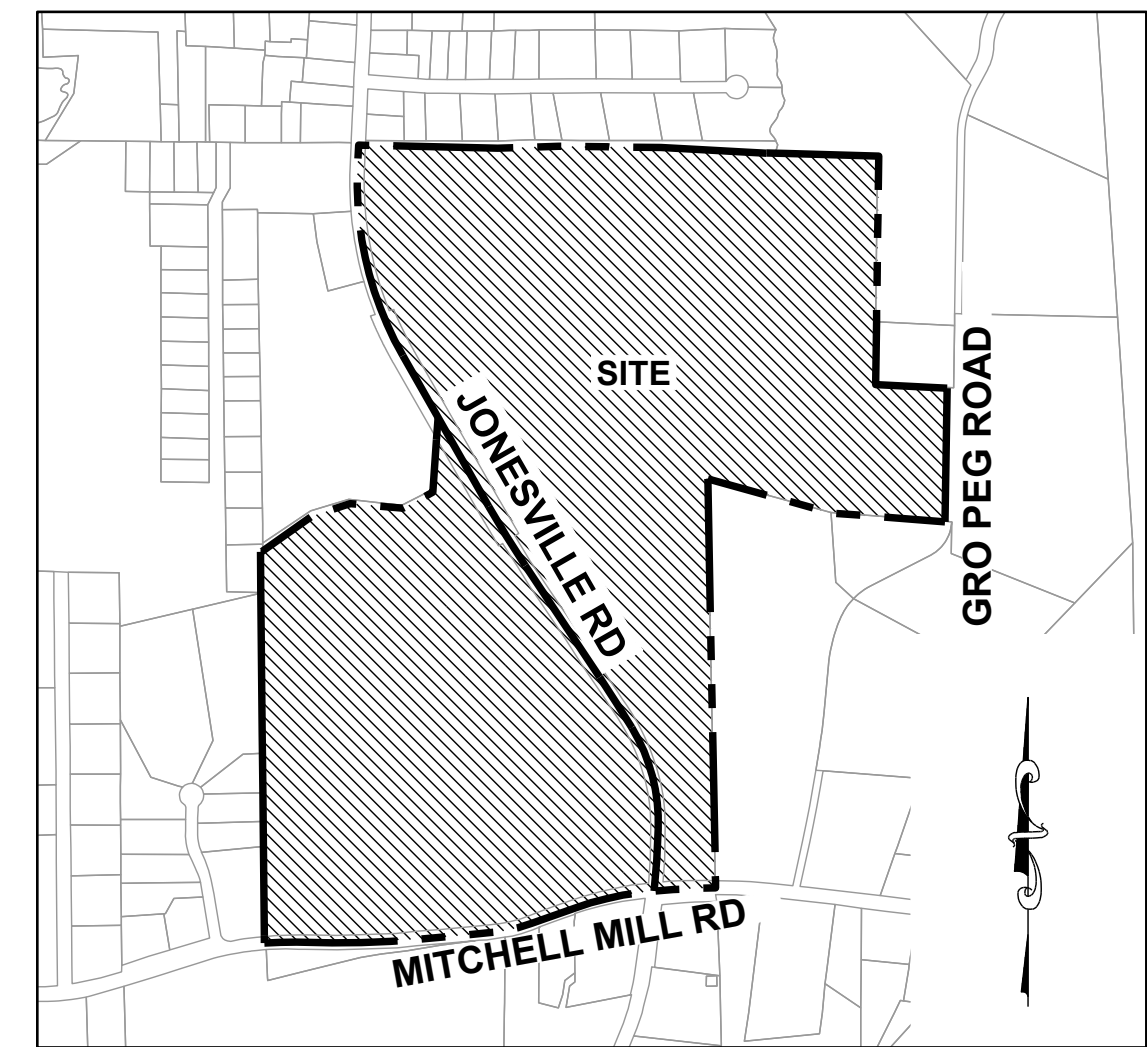
Project section 2			
Zoning:	NC-CZ		
Total property area:		54.08	
Required tree protection area(AC)		8.11	
Required tree protection zones		Acres	Square Feet
NC-TS 1		5.13	223,253
NC-TS 2		1.24	53,935
NC-TS 3		0.51	22,221
NC-TS 4		0.03	1,376
NC-TS 5		1.16	50,541
TOTAL		8.07	351,326



**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
	SWAMP/MARSH
	HARRIS CREEK
	EXISTING TREE
	NEW IRON PIPE
	EXISTING IRON PIPE
	EXISTING WETLAND
	TREE PROTECTION AREA - NC ZONE
	TREE PROTECTION AREA - RM ZONE



01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG
05	TOWN OF ROLESVILLE CID-24-04 V5	06/02/2025	SREG
No.	REVISIONS	DATE	BY

**STRONG**  **ROCK**  
E N G I N E E R I N G   G R O U P

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # 2-2168  
305 CHURCH AT NORTH HILLS STREET, SUITE 110 | KALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

**CONSTRUCTION PLANS**

**TREE PROTECTION PLAN**

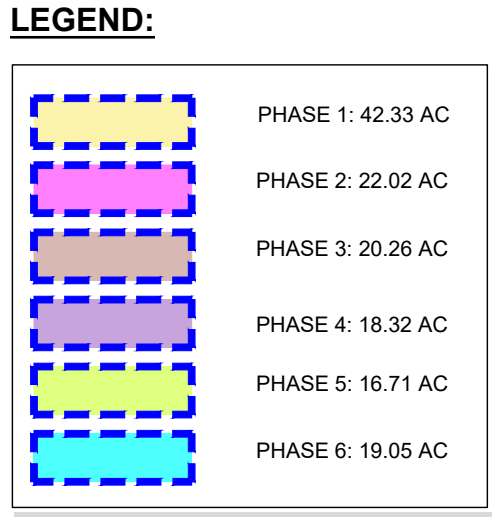
DRAWING  
SHEET

**C-3.10**



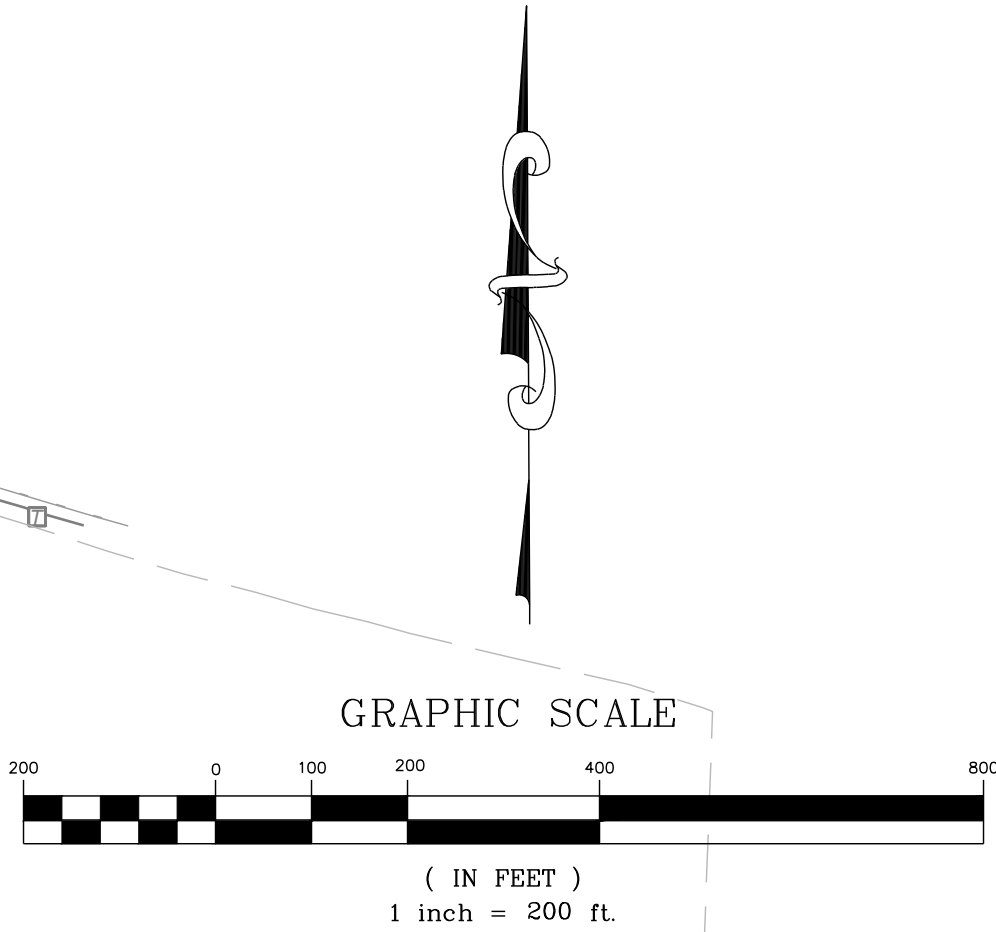






**NOTES:**  
SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS  
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS  
SEE SHEETS C-6 FOR OPEN SPACE INFORMATION

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



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.

STRONGROCK

ENGINEERING GROUP

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

STRONG ROCK PROJECT  
PSP-24-03

NOT FOR CONSTRUCTION

SCALE AS SHOWN

DESIGNED BY SRG

DRAWN BY SRG

CHECKED BY SRG

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

DRAWING SHEET  
C-5.0

16 OF 230

SEAL:

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

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LEGEND:

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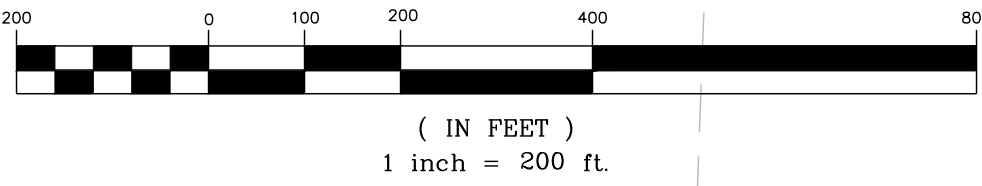
TOWNHOME NOTES:

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

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS  
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE



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.

CONSTRUCTION INFRASTRUCTURE DRAWINGS	SEAL:	DATE	BY
CID-24-04			
TOWN OF ROLESVILLE CID-24-04 V2			
TOWN OF ROLESVILLE CID-24-04 V3			
TOWN OF ROLESVILLE CID-24-04 V4			
TOWN OF ROLESVILLE CID-24-04 V5			

SEAL:

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

STRONG ROCK PROJECT	STR
PSP-24-03	STR
NOT FOR CONSTRUCTION	STR
SCALE AS SHOWN	STR
DESIGNED BY	STR
DRAWN BY	STR
CHECKED BY	STR

RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
BLOCK AND LOT PLAN

DRAWING SHEET

C-5.1



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

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

CURVE TABLE					
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION
C1	SOUNDGARDEN COURT	230.00'	109.33'	108.30'	S76°24'01"E
C2	SOUNDGARDEN COURT	230.00'	188.64'	183.39'	S86°16'43"E
C3	FUTURE DAYS WAY	1250.00'	518.68'	514.96'	S11°25'57"E
C4	CORNELL GARDEN STREET	400.00'	458.45'	433.76'	N32°48'56"E
C5	LIGHTNING BOLT LANE	500.00'	319.36'	313.96'	N74°30'15"E
C6	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E
C7	GIGATON STREET	1000.00'	29.99'	29.99'	S32°55'06"E
C8	GIGATON STREET	230.00'	131.21'	129.44'	S17°26'02"E
C9	COUNTER STREET	230.00'	131.28'	129.51'	S17°26'31"E
C10	MONKEYWRENCH STREET	230.00'	131.21'	129.44'	S72°33'58"W
C11	SUPERSONIC WAY	230.00'	117.86'	116.57'	N13°59'38"W
C12	PARACHUTE PLACE	230.00'	369.56'	331.07'	S74°42'17"E
C13	PARACHUTE PLACE	230.00'	226.68'	217.60'	N31°02'00"E
C14	MCCREADY COURT	310.00'	123.87'	123.04'	S67°39'11"W
C15	OCEANS COURT	350.00'	76.29'	76.14'	N8°24'51"W
C16	OCEANS COURT	310.00'	116.10'	115.43'	N12°53'57"W
C17	OCEANS COURT	500.00'	132.14'	131.75'	N16°03'28"W
C18	OCEANS COURT	310.00'	135.96'	134.87'	N21°03'04"W
C19	OCEANS COURT	310.00'	122.44'	121.65'	N22°18'00"W
C20	BETTERMAN DRIVE	350.00'	153.67'	152.44'	S68°56'05"W
C21	VEDDER LANE	230.00'	83.70'	83.24'	N23°14'15"W
C22	EVEN FLOW LANE	500.00'	206.29'	204.83'	N78°10'50"E
C23	YELLOW MOON COURT	1000.00'	63.91'	63.90'	N87°46'43"E
C24	MOOKIE ALLEY	150.00'	54.84'	54.54'	S23°08'29"E
C25	MOOKIE ALLEY	150.00'	26.64'	26.60'	S28°31'40"E



GENERAL NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO TOWN OF ROLESVILLE AND CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
- ROADS AND DRIVEWAYS SHALL COMPLY WITH NCDOT AND TOWN OF ROLESVILLE STANDARDS.
- 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.
- THE WATER AND SEWER SYSTEMS SHALL COMPLY WITH CITY OF RALEIGH STANDARDS.
- ALL DESIGN AND CONSTRUCTION METHODS SHALL COMPLY WITH WAKE COUNTY'S SEDIMENTATION AND EROSION CONTROL REGULATIONS. AN EROSION CONTROL PLAN SHALL BE APPROVED BY TOWN OF ROLESVILLE PRIOR TO ANY GRADING.
- CONSTRUCTION DRAWINGS SHALL BE SUBMITTED AND APPROVED BY TOWN OF ROLESVILLE AND CITY OF RALEIGH PRIOR TO CONSTRUCTION.
- ALL STREETS WITHIN THE SUBDIVISION WILL HAVE A POSTED SPEED LIMIT OF 25 MPH.
- RESTRICTIVE COVENANTS SHALL BE APPROVED AND RECORDED PRIOR TO RECORDING OF FINAL PLAN.
- STORMWATER CONTROL MEASURES SHALL BE CONTAINED IN AND ACCESSED VIA OPEN SPACE MAINTAINED AND OWNED BY THE HOMEOWNERS' ASSOCIATION. A MAINTENANCE PLAN MUST BE DEVELOPED TO ADDRESS THE STORMWATER CONTROL MEASURES AND APPROVED BY TOWN OF ROLESVILLE.
- PRIVATE STORM DRAINAGE EASEMENTS SHALL BE MAINTAINED BY THE HOA.
- SUBDIVISION LOTS MUST BE LOTS OF RECORD PRIOR TO RECEIVING A BUILDING PERMIT.
- ALL RETAINING WALLS TO BE DESIGNED BY OTHERS.
- DETAILED DRAWINGS OF EACH AMENITY, THAT SHOWS COMPLIANCE WITH 6.2.1.G.5 AND 6.2.1.G.6, WILL BE PROVIDED IN A SUBSEQUENT SITE PLAN SUBMITTAL.
- DETAILED DRAWINGS OF THE COMMERCIAL AREA WILL BE PROVIDED IN A SUBSEQUENT SITE PLAN SUBMITTAL.

TOWNHOME NOTES:

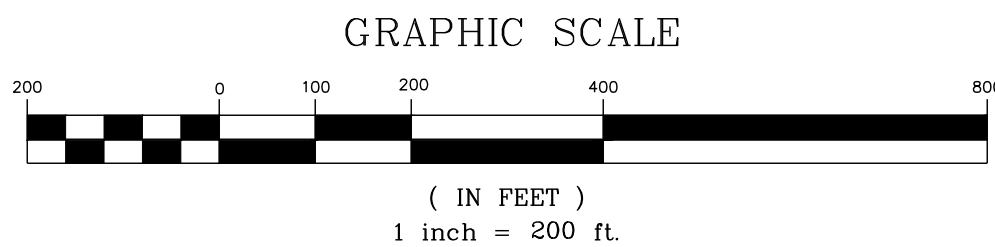
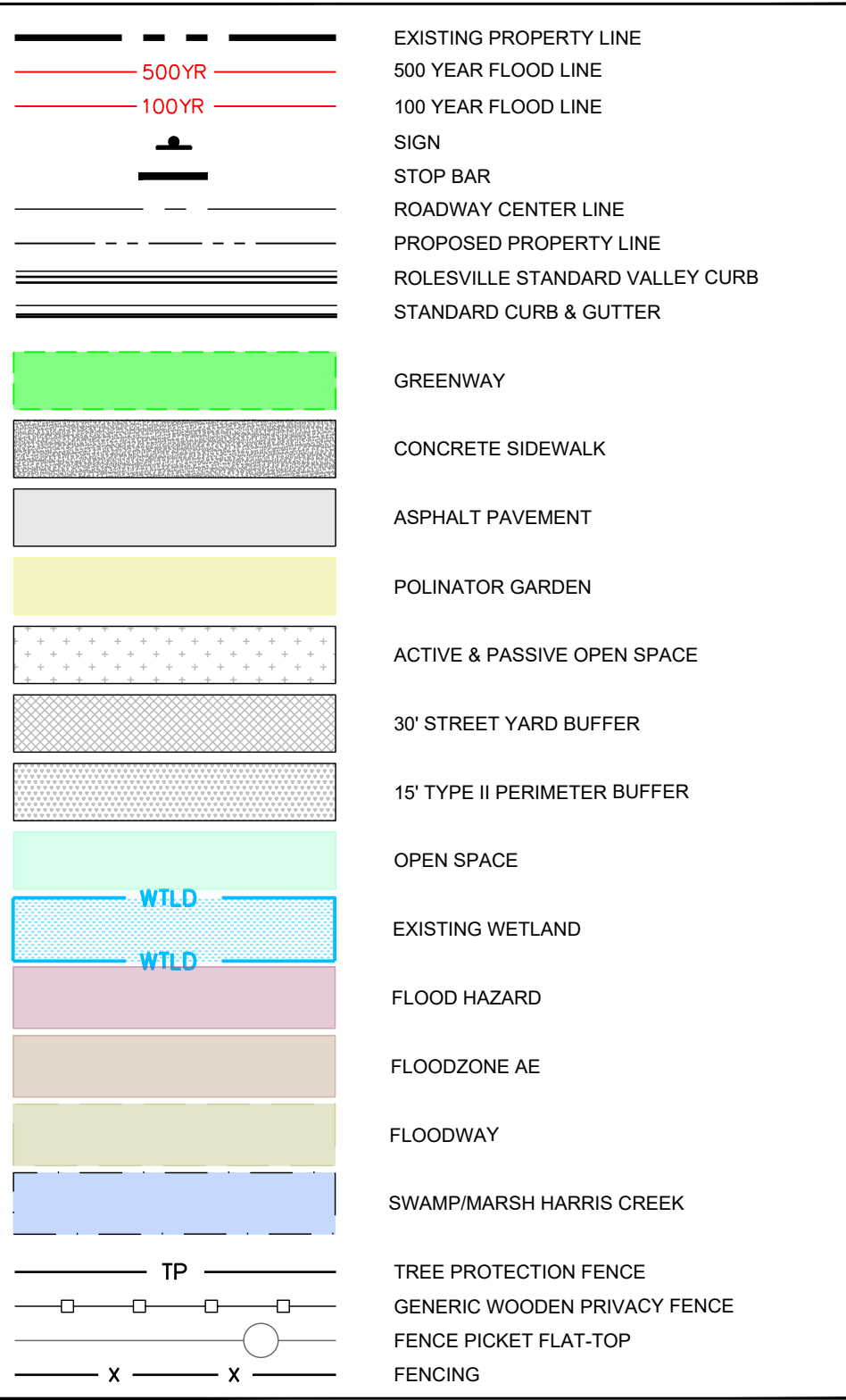
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

NOTES:

SEE COVER SHEET FOR ALL SETBACK REQUIREMENTS  
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

CURVE TABLE					
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION
C26	CAMERON SOUND ALLEY	150.00'	65.79'	65.26'	N68°56'56"E
C27	CAMERON SOUND ALLEY	150.00'	65.86'	65.33'	N68°56'05"E
C28	DARK MATTER ALLEY	150.00'	59.47'	59.08'	N67°44'32"E
C29	DARK MATTER ALLEY	150.00'	59.47'	59.08'	N67°44'32"E
C30	GUARANTEED ALLEY	150.00'	54.94'	54.63'	N68°36'27"E
C31	PEARL JAM ALLEY	150.00'	21.02'	21.01'	N29°37'42"W
C32	PEARL JAM ALLEY	150.00'	20.95'	20.93'	N29°36'52"W

LEGEND:



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

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

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

DRAWING SHEET  
C-6.0  
18 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS	08/04/2024	11/01/2024	02/01/2024	09/02/2025	09/02/2025	BY
STRONGROCK CID-34-04	01	02	03	04	05	
TOWN OF ROLESVILLE CID-34-04 V2						
TOWN OF ROLESVILLE CID-34-04 V3						
TOWN OF ROLESVILLE CID-34-04 V4						
TOWN OF ROLESVILLE CID-34-04 V5						
REVISIONS	No.					DATE





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

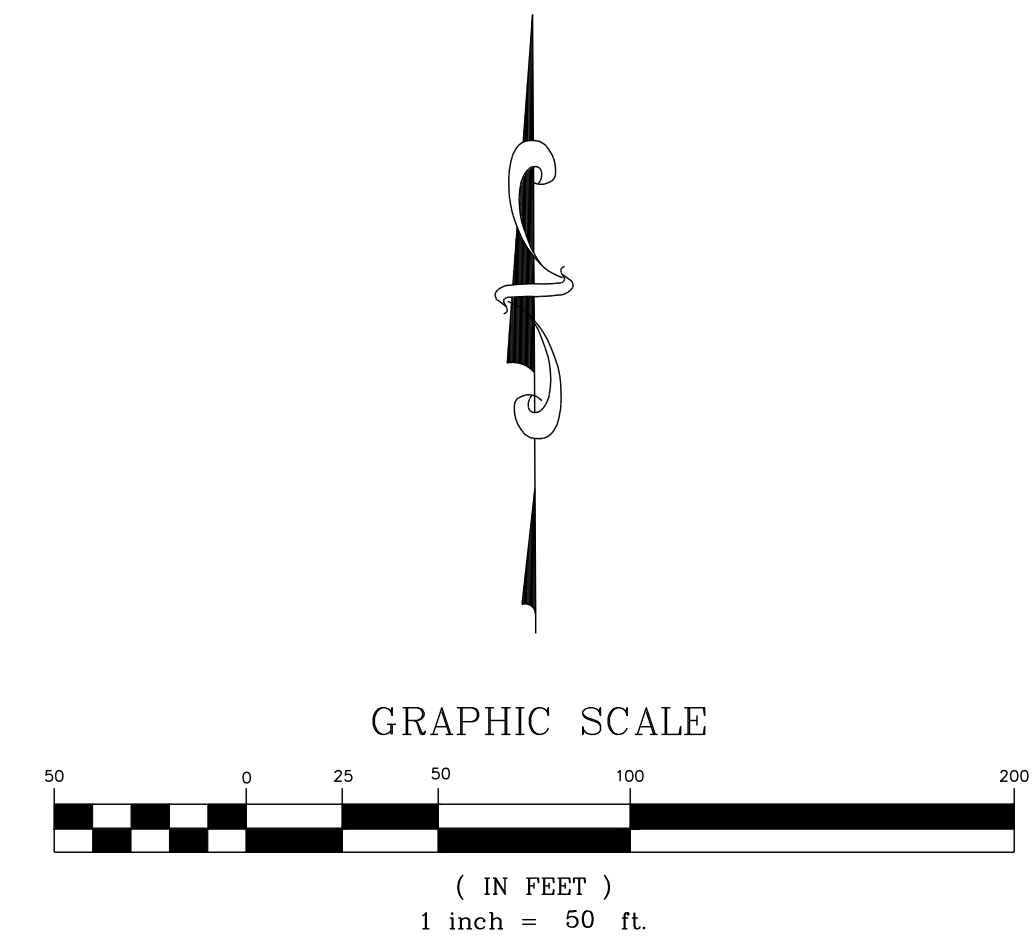
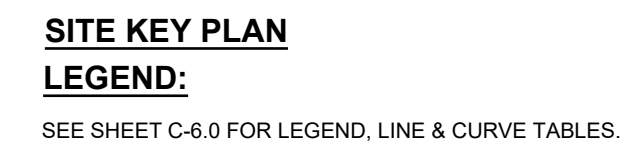
**CONSTRUCTION PLANS**

**PARTIAL SITE PLAN I**

DRAWING  
SHEET

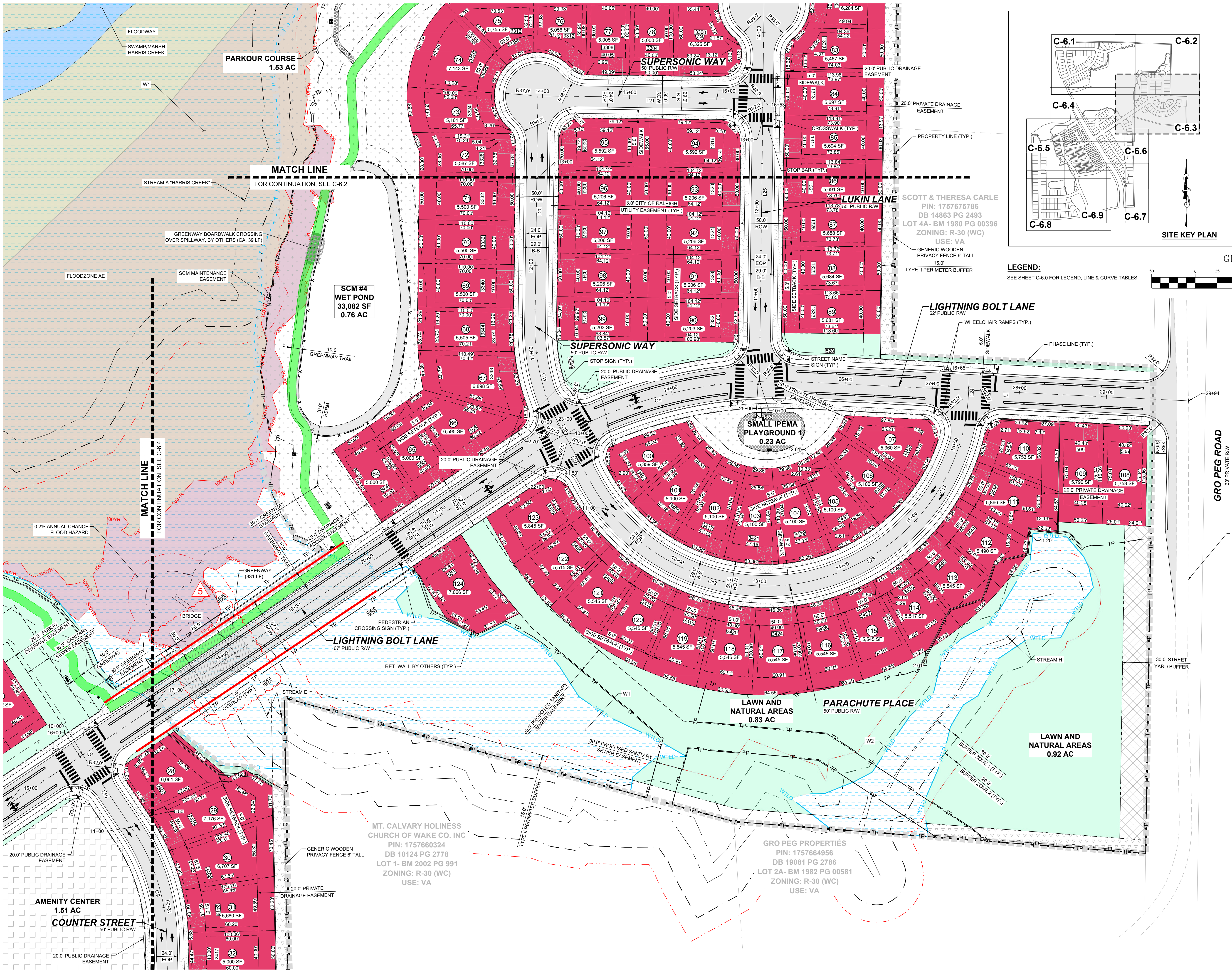
**C-6.1**





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STRONGROCK  
ENGINEERING GROUP

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

DRAWING SHEET  
C-6.3

21 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS	08/04/2024	SRG	BY
CID-24-04	11/07/2024	SRG	DATE
TOWN OF ROLESVILLE CID-24-04 V2	02/07/2024	SRG	
TOWN OF ROLESVILLE CID-24-04 V3	08/02/2025	SRG	
TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG	
TOWN OF ROLESVILLE CID-24-04 V5	08/02/2025	SRG	
No.		REVISIONS	

DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

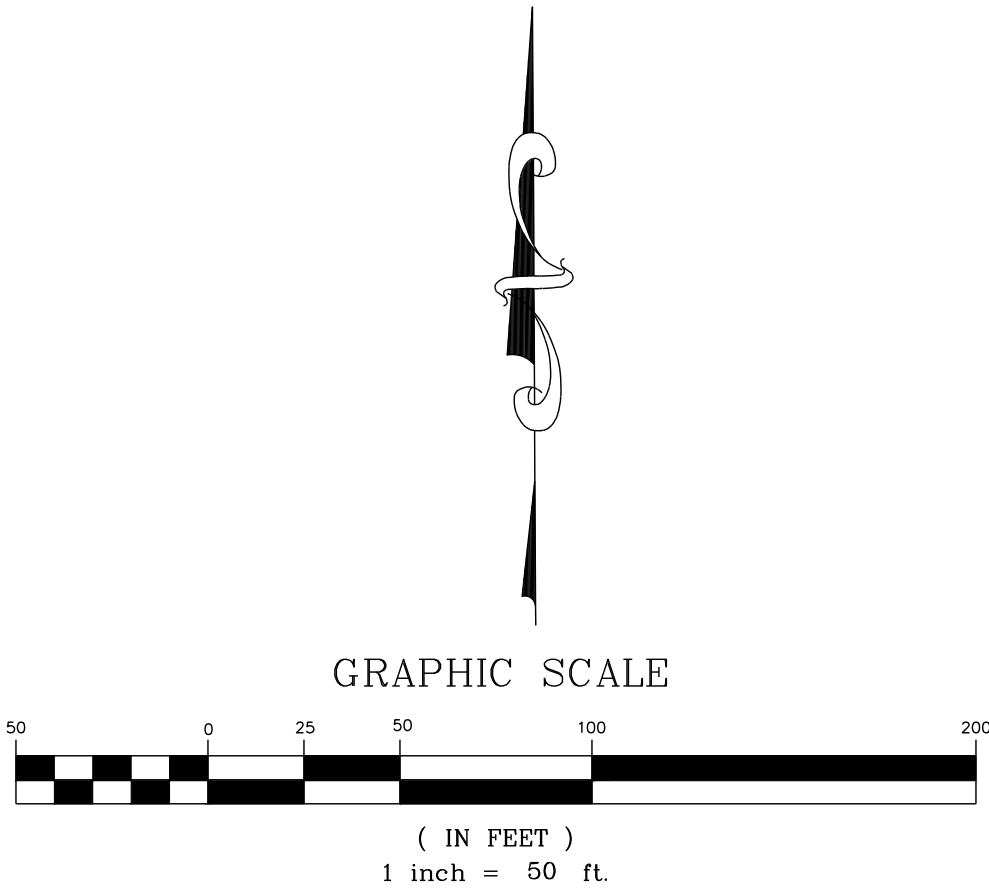
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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TOWNHOME NOTES:

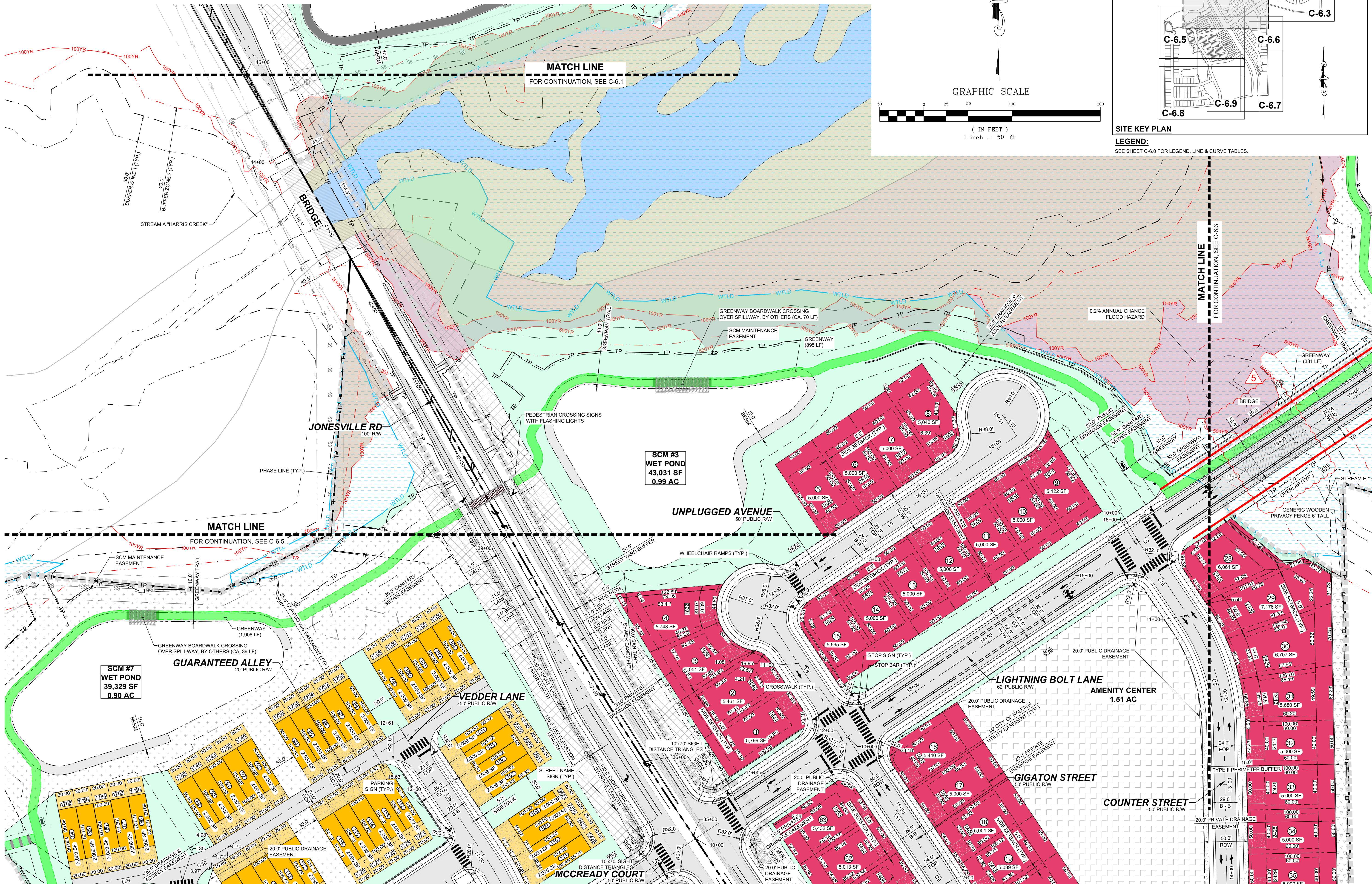
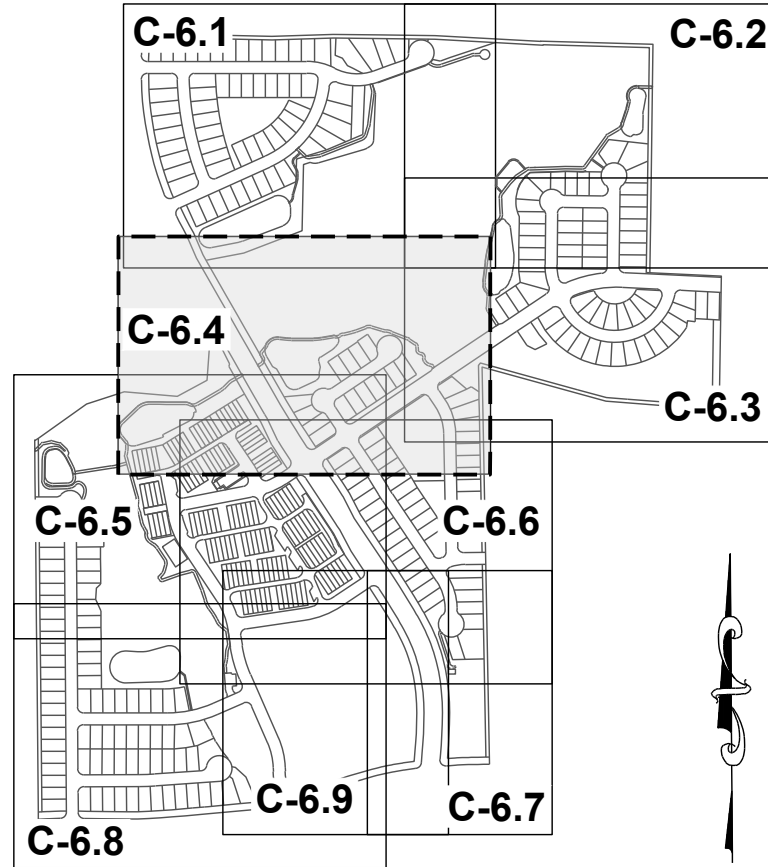
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND:

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



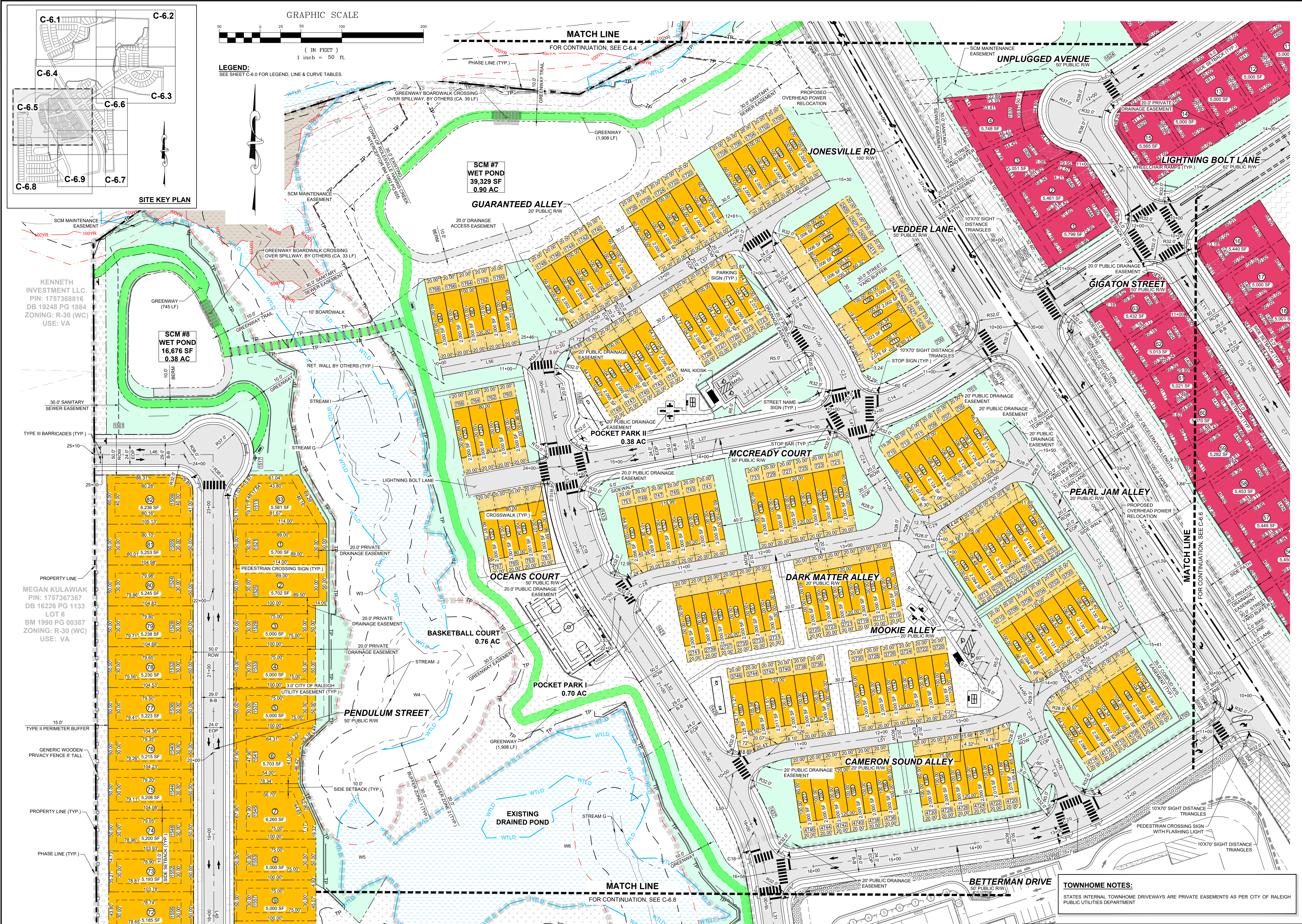
**STRONGROCK**  
ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
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RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL SITE PLAN IV

DRAWING  
SHEET  
C-6.4





STRONGROCK

ENGINEERING GROUP

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

PARTIAL SITE PLAN V

DRAWING SHEET

C-6.5

23 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS		REVISIONS		BY	
NO.	DESCRIPTION	NO.	DESCRIPTION	DATE	BY
01	08/04/2024	01			
02	11/01/2024	02			
03	02/01/2024	03			
04	08/02/2025	04			
05	09/02/2025	05			

SEAL:

STRONG ROCK PROJECT  
PSP-24-03  
NOT FOR  
CONSTRUCTION  
SCALE AS SHOWN

DESIGNED BY  
SRG

DRAWN BY  
SRG

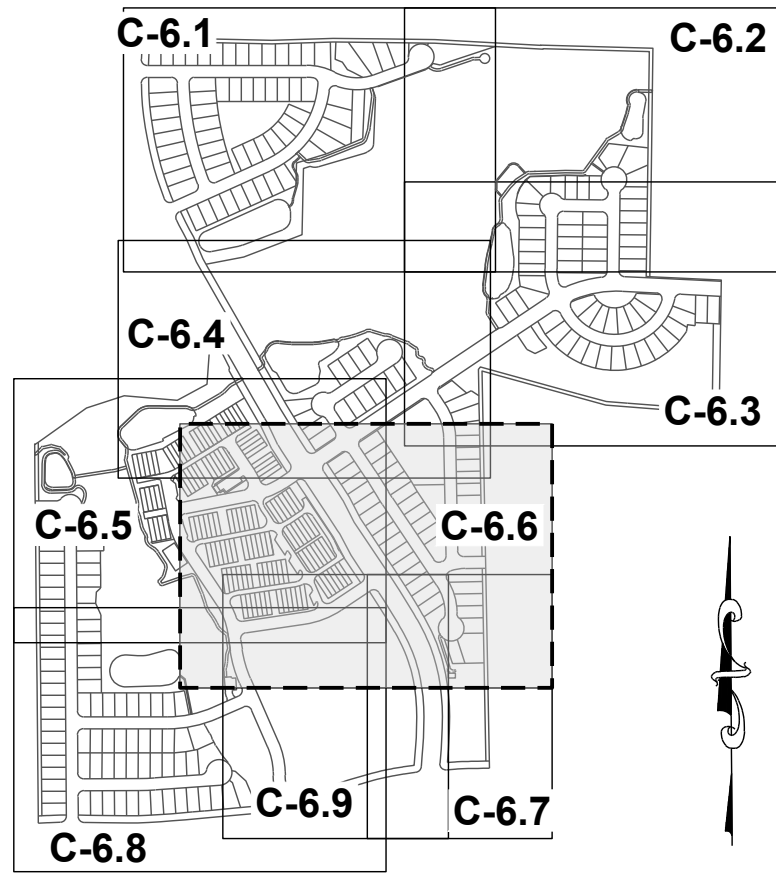
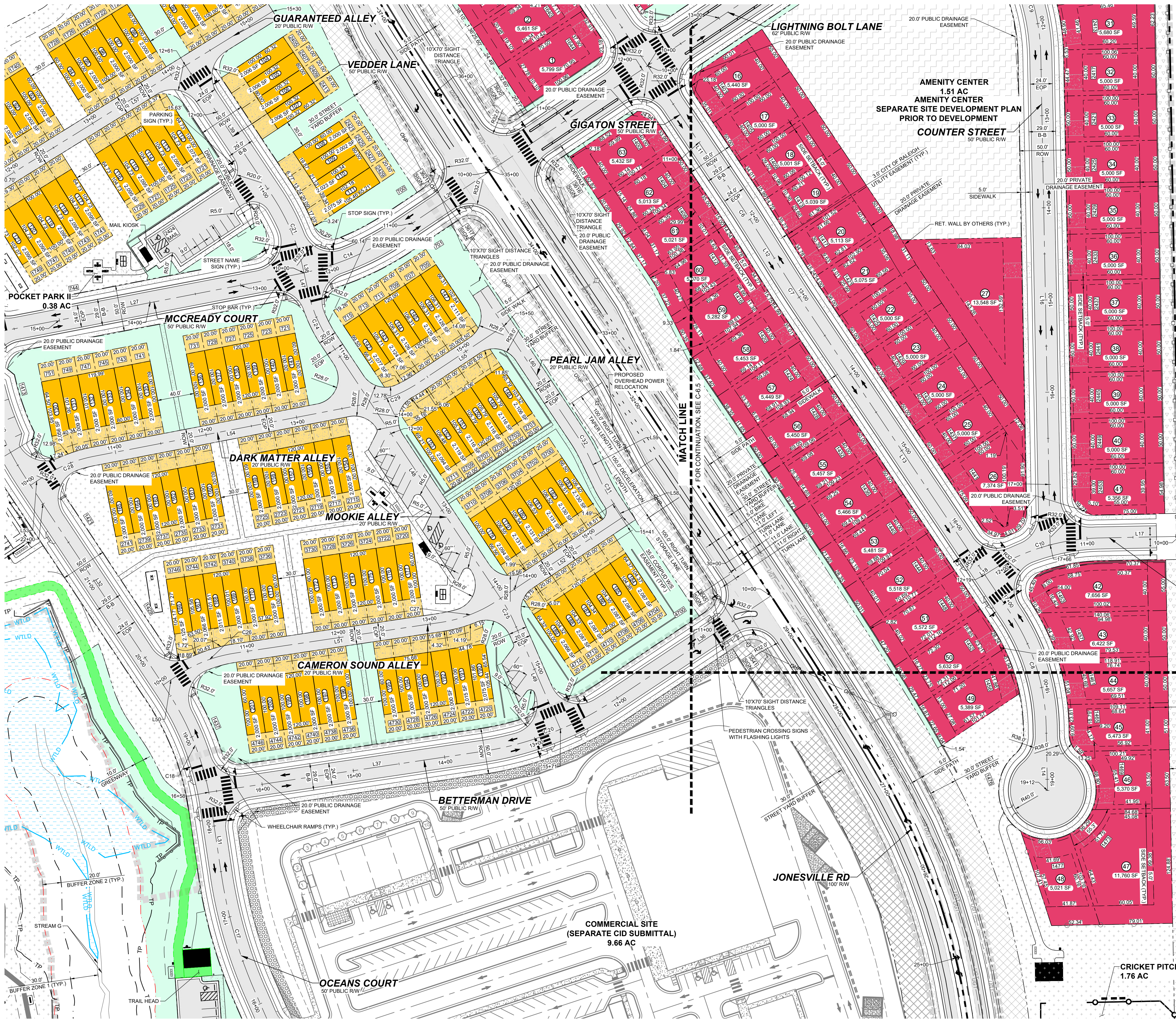
CHECKED BY  
SRG

TOWNHOME NOTES:

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

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





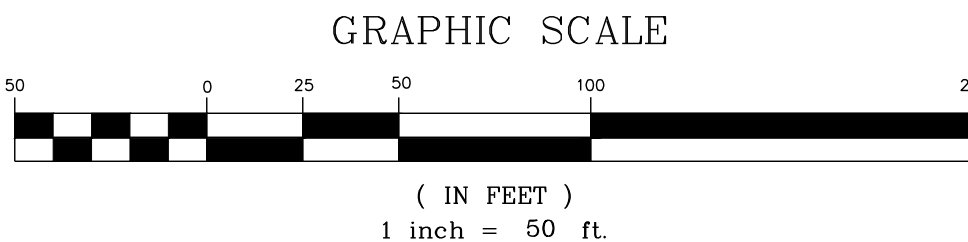
**SITE KEY PLAN**

**LEGEND:**

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

**TOWNHOME NOTES:**

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**MONKEYWRENCH STREET**  
50' PUBLIC R/W

**MATCH LINE**

FOR CONTINUATION, SEE C-6.7

20.0' PRIVATE DRAINAGE EASEMENT

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

**CRICKET PITCH**  
1.76 AC

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**STRONGROCK**  
ENGINEERING GROUP

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

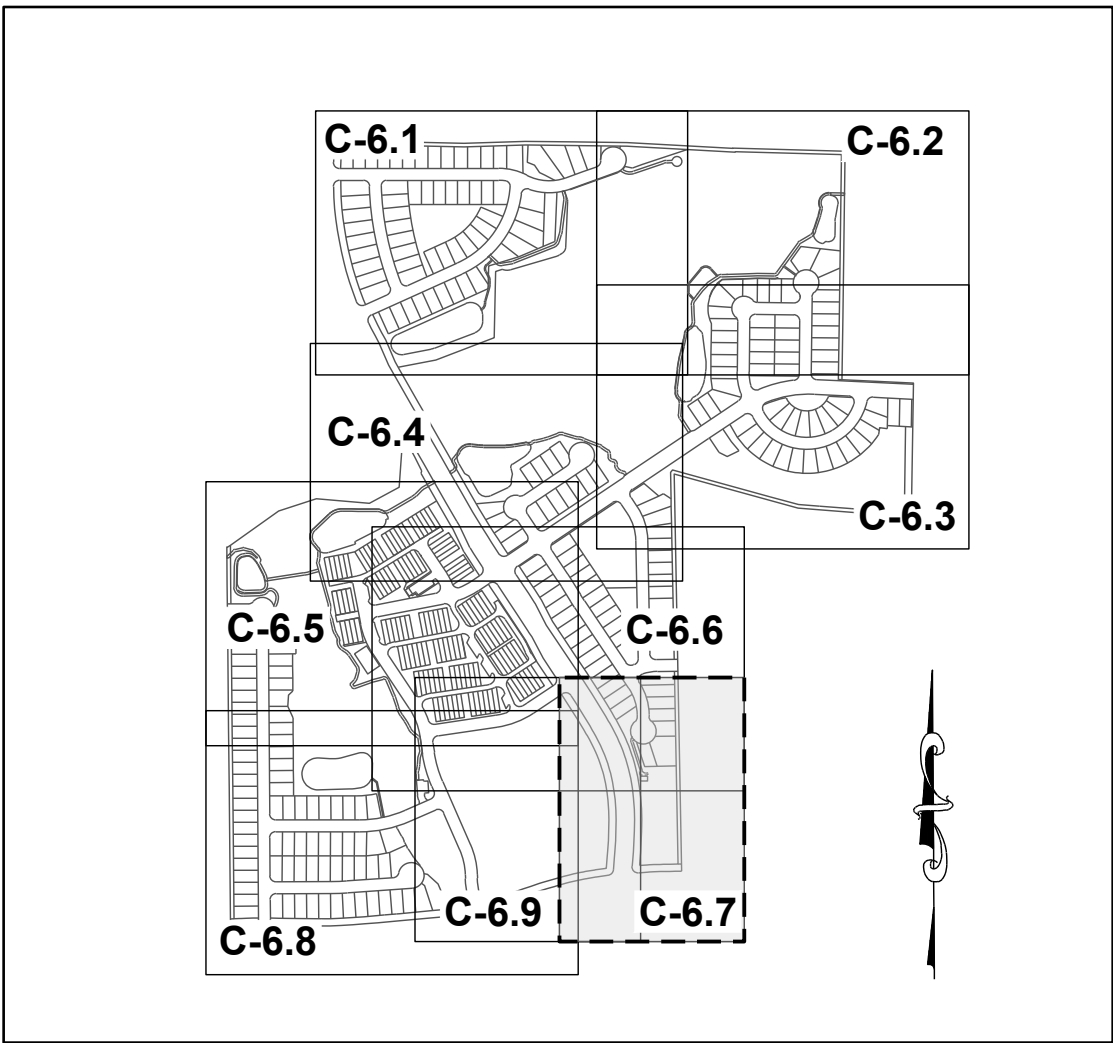
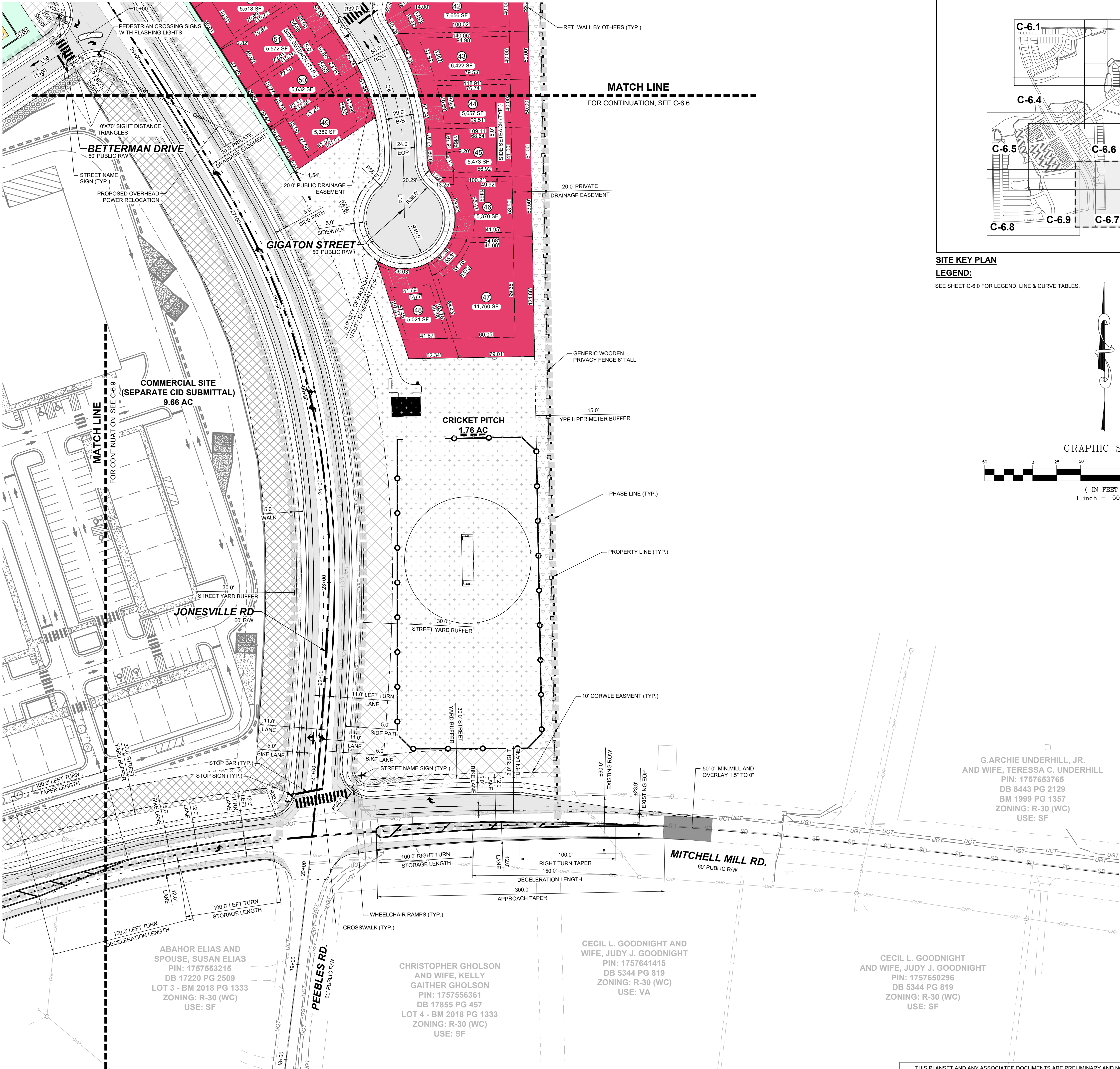
DRAWING SHEET  
**C-6.6**

CONSTRUCTION INFRASTRUCTURE DRAWINGS	DATE	BY
01	08/04/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	SRG
05	TOWN OF ROLESVILLE CID-24-04 V5	SRG

REVISIONS	DATE	BY
No.		

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

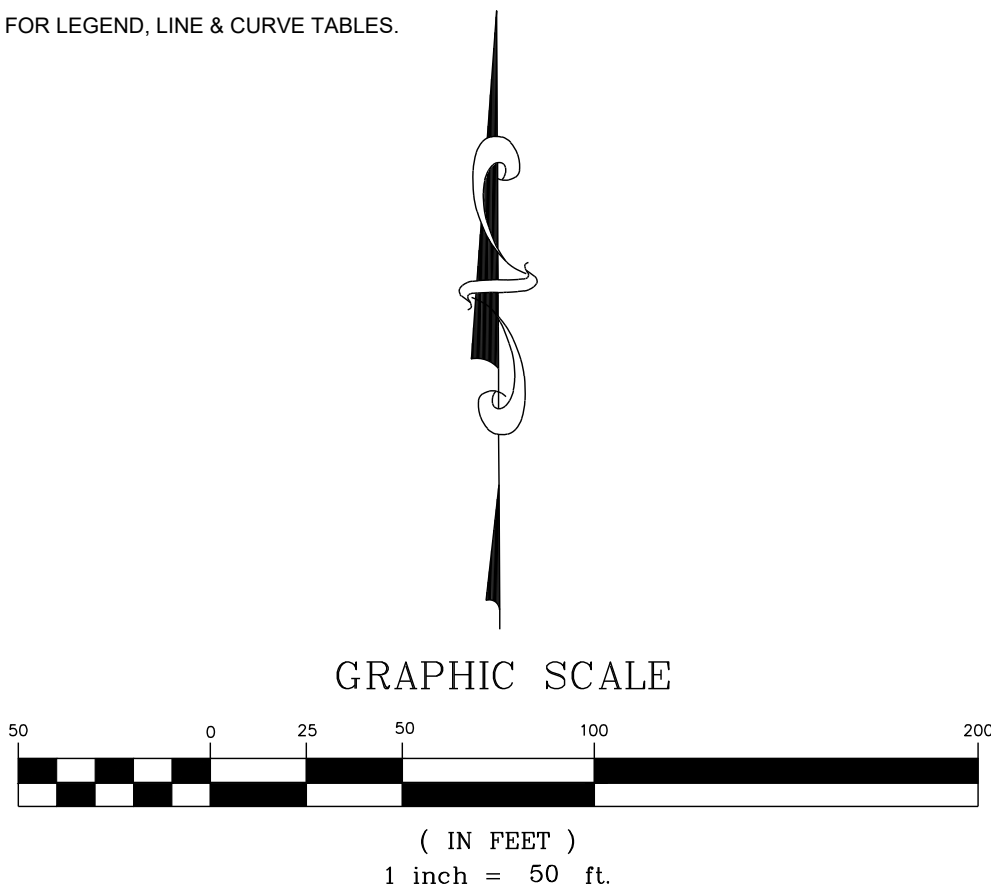




SITE KEY PLAN

LEGEND:

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



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

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT  
PIN: 1757641415  
DB 5344 PG 819  
ZONING: R-30 (WC)  
USE: VA

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT  
PIN: 1757650296  
DB 5344 PG 819  
ZONING: R-30 (WC)  
USE: SF

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

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS  
PIN: 1757553215  
DB 17220 PG 2509  
LOT 3 - BM 2018 PG 1333  
ZONING: R-30 (WC)  
USE: SF

SEAL:

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CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

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DATE

BY

STRONG ROCK PROJECT  
PSP-24-03

NOT FOR  
CONSTRUCTION

SCALE  
AS SHOWN

DESIGNED BY  
SRG

DRAWN BY  
SRG

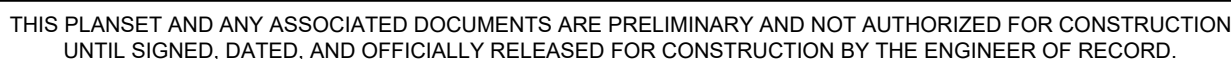
CHECKED BY  
SRG

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

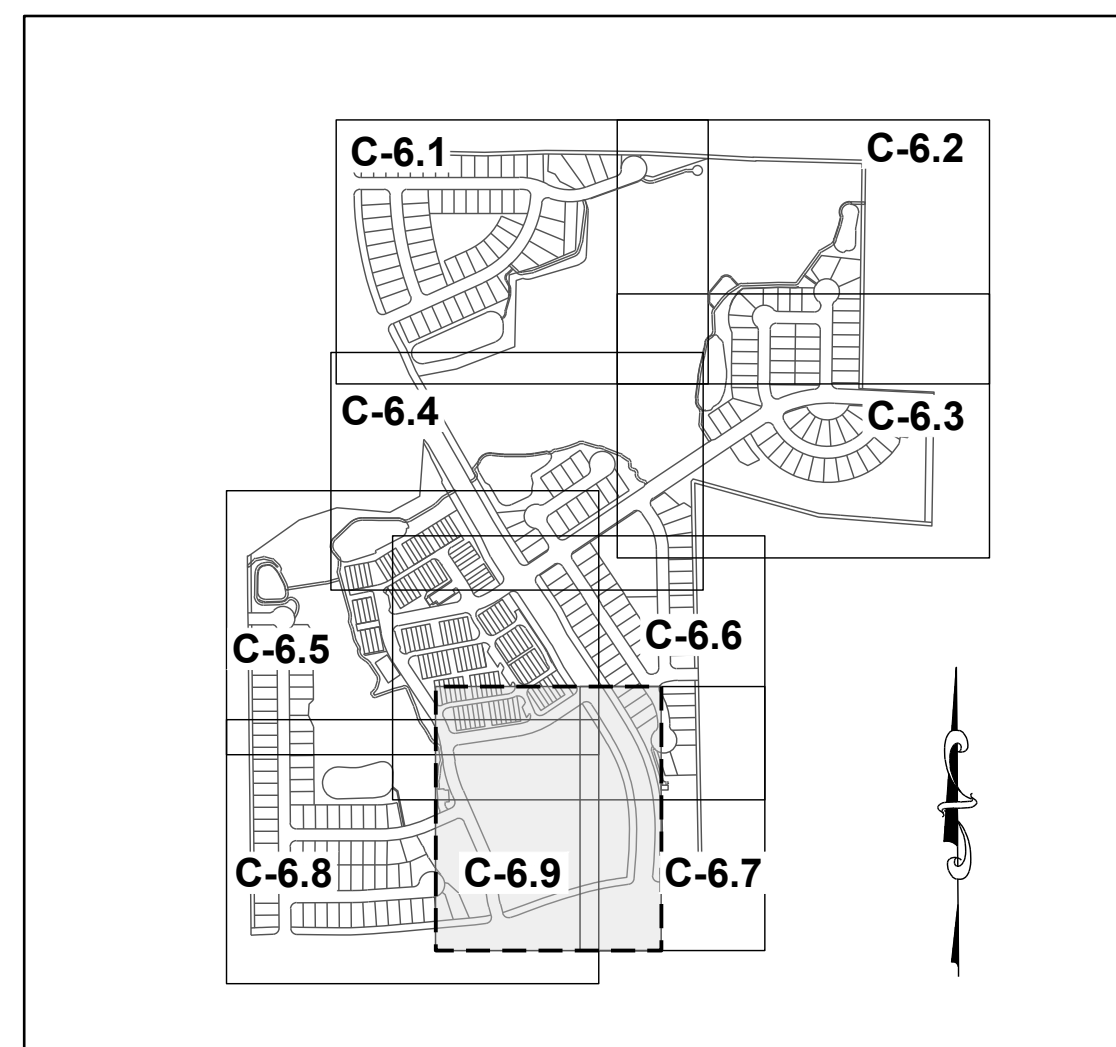
DRAWING  
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C-6.7

25 OF 230









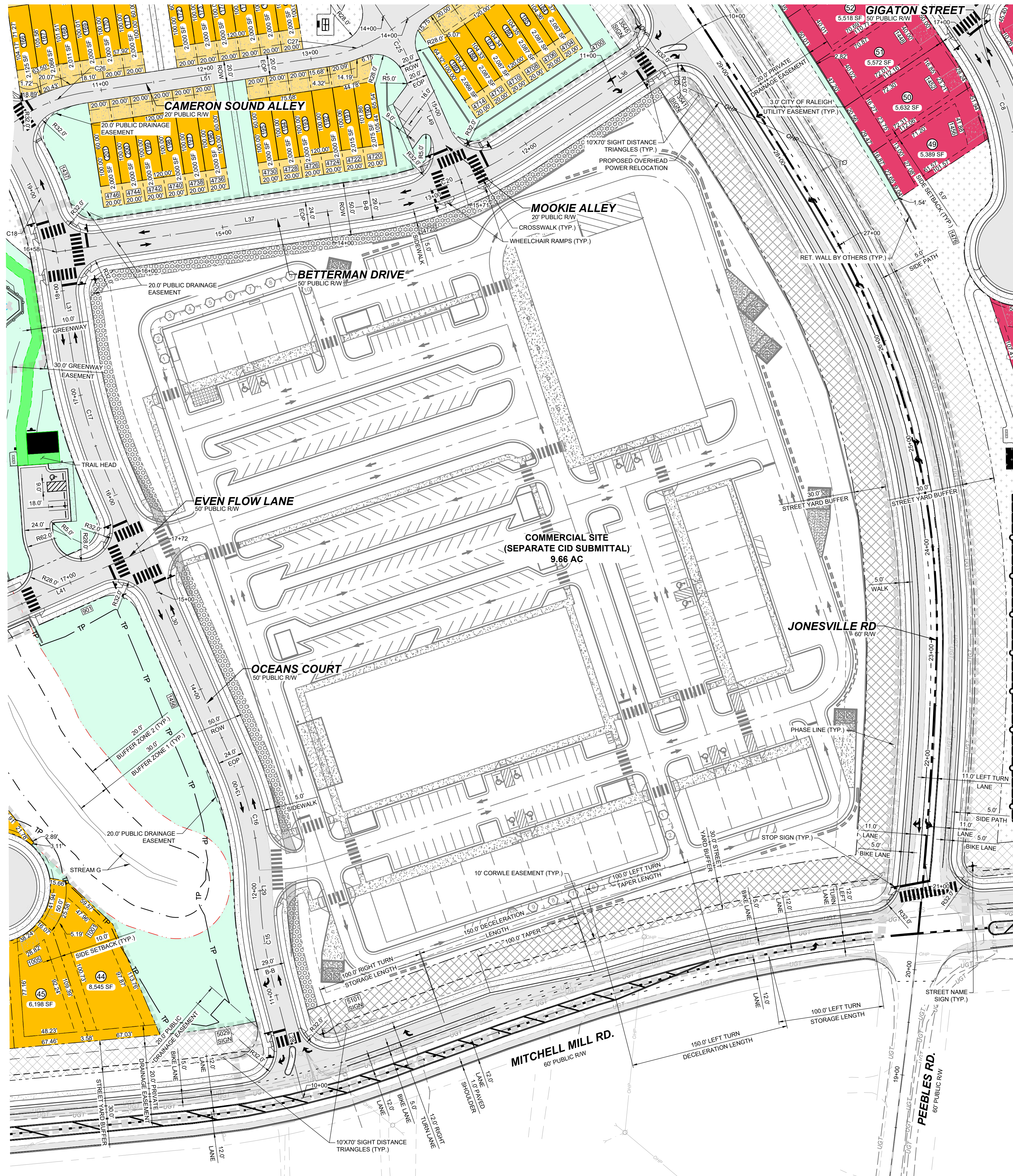
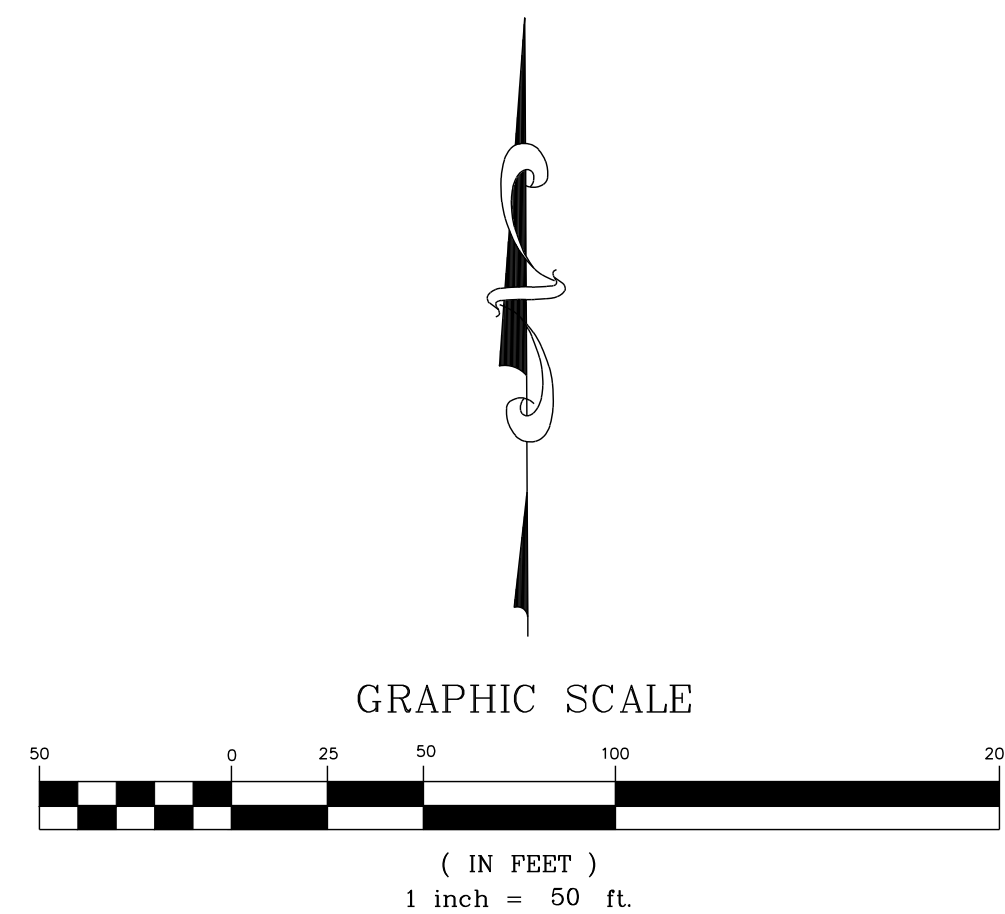
## SITE KEY PLAN

**LEGEND:**

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

**TOWNHOME NOTES:**

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



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[illegible]







NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1984 "A" SLAB	PLAN 2097 "A" SLAB
1	SINGLE FAMILY 50' WIDE					
2	SINGLE FAMILY 50' WIDE					
3	SINGLE FAMILY 50' WIDE					
4	SINGLE FAMILY 50' WIDE					
5	SINGLE FAMILY 50' WIDE					
6	SINGLE FAMILY 50' WIDE	X	X	X	X	X
7	SINGLE FAMILY 50' WIDE	X	X	X	X	X
8	SINGLE FAMILY 50' WIDE					
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23	SINGLE FAMILY 50' WIDE	X	X	X	X	X
24	SINGLE FAMILY 50' WIDE	X	X	X	X	X
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39	SINGLE FAMILY 50' WIDE					
40	SINGLE FAMILY 50' WIDE					
41	SINGLE FAMILY 50' WIDE					

NUMBER LOTS	LOT TYPE	PLAN 2268 "A" SLAB	PLAN 2396 "A" SLAB	PLAN 2525 "B" SLAB	PLAN 1984 "A" SLAB	PLAN 2097 "A" SLAB
42	SINGLE FAMILY 50' WIDE					
43	SINGLE FAMILY 50' WIDE					
44	SINGLE FAMILY 50' WIDE	X	X	X	X	X
45	SINGLE FAMILY 50' WIDE					
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78	SINGLE FAMILY 50' WIDE					
79	SINGLE FAMILY 50' WIDE					
80	SINGLE FAMILY 50' WIDE					
81	SINGLE FAMILY 50' WIDE					
82	SINGLE FAMILY 50' WIDE					
83	SINGLE FAMILY 51' WIDE	X	X	X	X	

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

DRAWING  
SHEET  
C-6.11

29 OF 230

STRONG ROCK PROJECT  
PSP-24-03

NOT FOR  
CONSTRUCTION

SCALE  
AS SHOWN

DESIGNED BY  
SRG

DRAWN BY  
SRG

CHECKED BY  
SRG

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ENGINEERING GROUP

SEAL:

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CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04  
TOWN OF ROLESVILLE CID-24-04 V2  
TOWN OF ROLESVILLE CID-24-04 V3  
TOWN OF ROLESVILLE CID-24-04 V4  
TOWN OF ROLESVILLE CID-24-04 V5

08/04/2024  
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02/07/2024  
08/02/2025  
09/02/2025

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REVISIONS

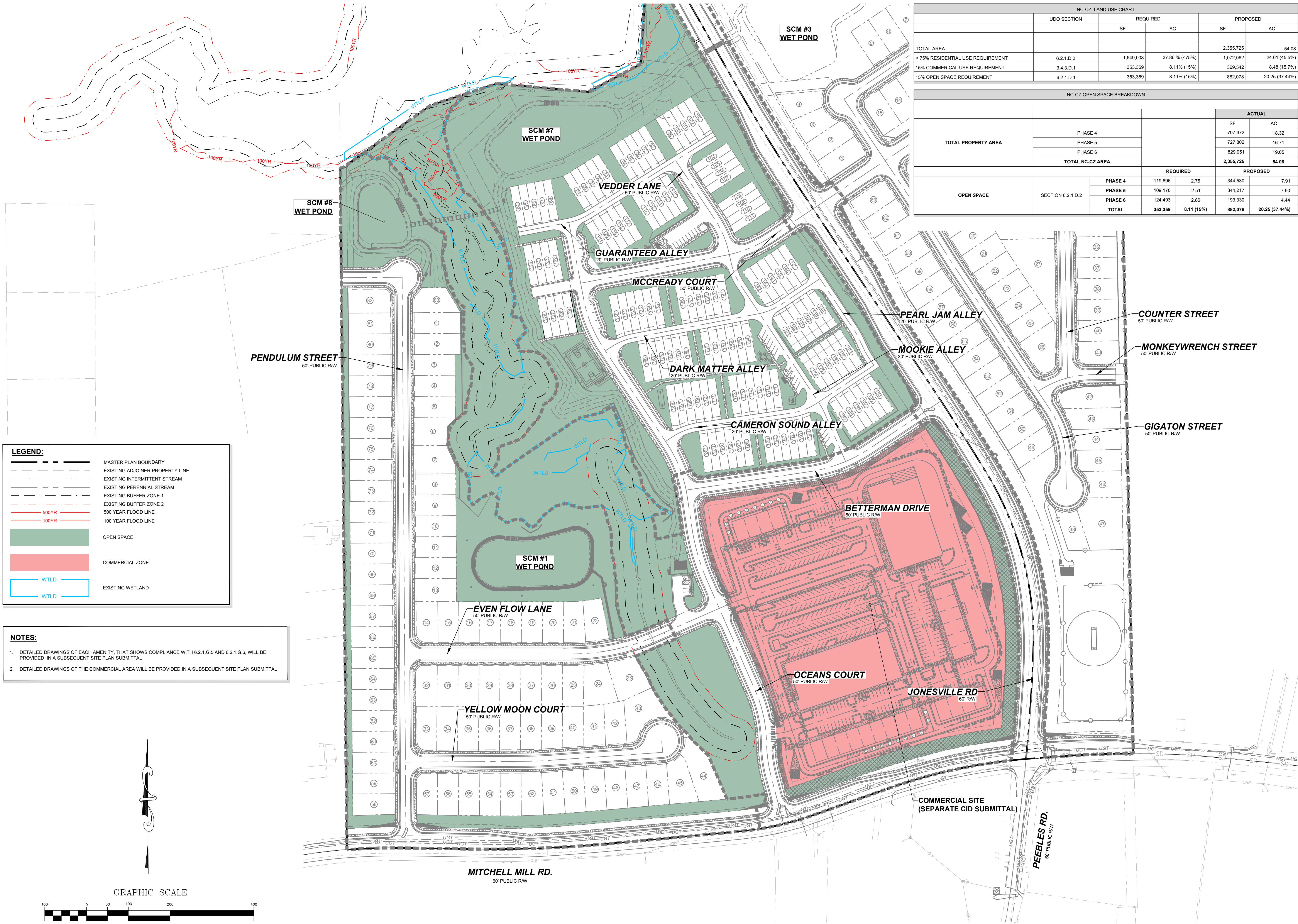
DATE

BY









NC-CZ LAND USE CHART					
	UDO SECTION	REQUIRED		PROPOSED	
		SF	AC	SF	AC
TOTAL AREA				2,355,725	54.08
< 75% RESIDENTIAL USE REQUIREMENT	6.2.1.D.2	1,649,008	37.86 % (<75%)	1,072,062	24.61 (45.5%)
15% COMMERCIAL USE REQUIREMENT	3.4.3.D.1	353,359	8.11% (15%)	369,542	8.48 (15.7%)
15% OPEN SPACE REQUIREMENT	6.2.1.D.1	353,359	8.11% (15%)	882,078	20.25 (37.44%)

NC-CZ OPEN SPACE BREAKDOWN						
				ACTUAL		
				SF	AC	
TOTAL PROPERTY AREA	PHASE 4			797,972	18.32	
	PHASE 5			727,802	16.71	
	PHASE 6			829,951	19.05	
	TOTAL NC-CZ AREA			2,355,725	54.08	
		REQUIRED		PROPOSED		
OPEN SPACE	SECTION 6.2.1.D.2	PHASE 4	119,696	2.75	344,530	7.91
		PHASE 5	109,170	2.51	344,217	7.90
		PHASE 6	124,493	2.86	193,330	4.44
		TOTAL	353,359	8.11 (15%)	882,078	20.25 (37.44%)

SEAL:

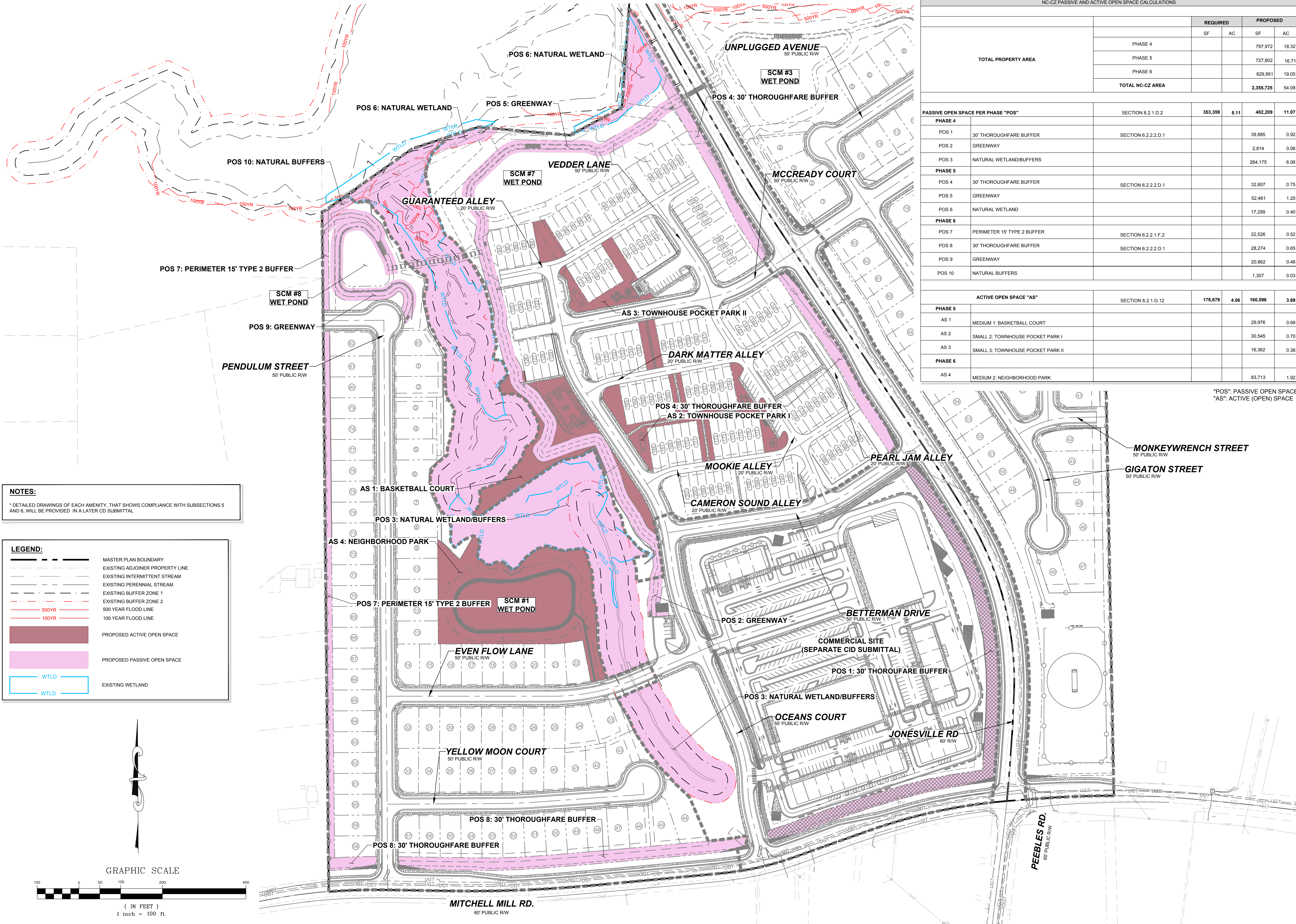
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	SRG DESIGNED BY	SRG DRAWN BY	SRG CHECKED BY
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS OVERALL OPEN SPACE NC-CZ	DRAWING SHEET C-7.0	31 OF 230	BY DATE		



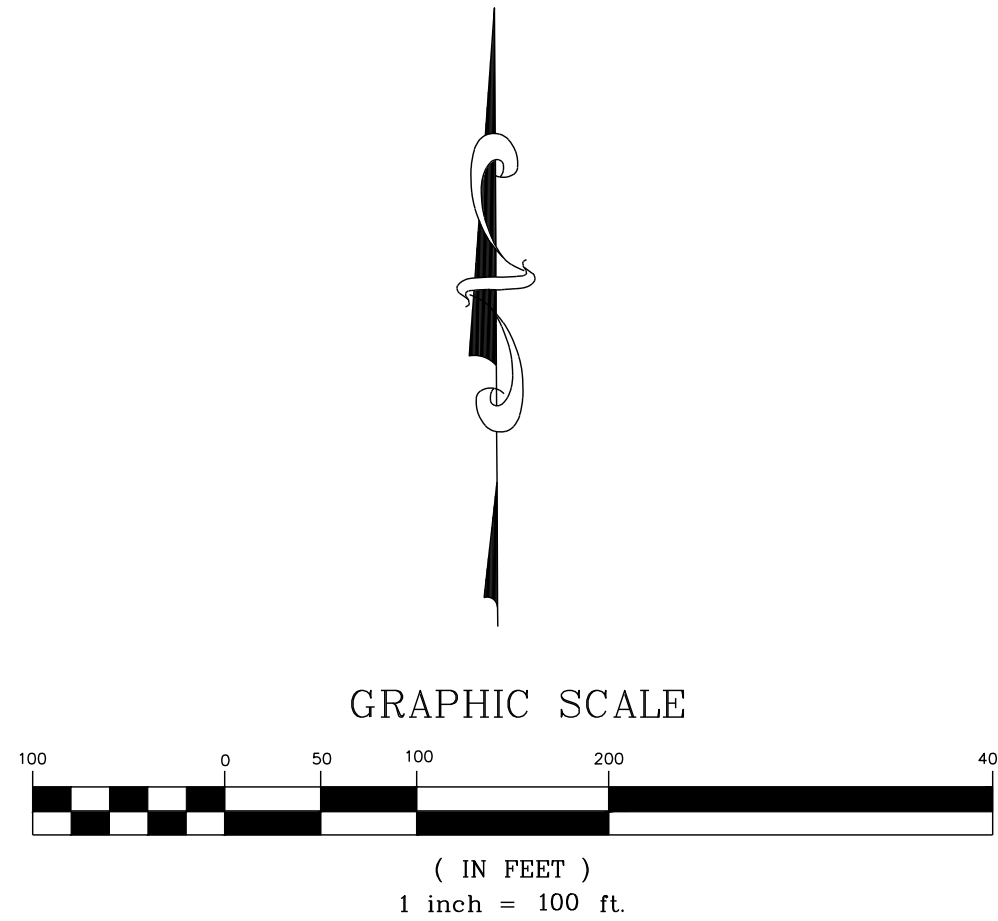


**NOTES:**

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

**LEGEND:**

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



NC-CZ PASSIVE AND ACTIVE OPEN SPACE CALCULATIONS							
TOTAL PROPERTY AREA				REQUIRED		PROPOSED	
				SF	AC	SF	AC
		PHASE 4				797,972	18.32
		PHASE 5				727,802	16.71
		PHASE 6				829,951	19.05
TOTAL NC-CZ AREA				2,355,725	54.08		
PASSIVE OPEN SPACE PER PHASE "POS"		SECTION 6.2.1.D.2		353,359	8.11	482,209	11.07
PHASE 4							
POS 1	30' THOROUGHFARE BUFFER	SECTION 6.2.2.D.1				39,885	0.92
POS 2	GREENWAY					2,814	0.06
POS 3	NATURAL WETLAND/BUFFERS					264,175	6.06
PHASE 5							
POS 4	30' THOROUGHFARE BUFFER	SECTION 6.2.2.D.1				32,607	0.75
POS 5	GREENWAY					52,461	1.20
POS 6	NATURAL WETLAND					17,299	0.40
PHASE 6							
POS 7	PERIMETER 15' TYPE 2 BUFFER	SECTION 6.2.2.1.F.2				22,526	0.52
POS 8	30' THOROUGHFARE BUFFER	SECTION 6.2.2.D.1				28,274	0.65
POS 9	GREENWAY					20,862	0.48
POS 10	NATURAL BUFFERS					1,307	0.03
ACTIVE OPEN SPACE "AS"		SECTION 6.2.1.G.12		176,679	4.06	160,596	3.69
PHASE 5							
AS 1	MEDIUM 1: BASKETBALL COURT					29,976	0.69
AS 2	SMALL 2: TOWNHOUSE POCKET PARK I					30,545	0.70
AS 3	SMALL 3: TOWNHOUSE POCKET PARK II					16,362	0.38
PHASE 6							
AS 4	MEDIUM 2: NEIGHBORHOOD PARK					83,713	1.92

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

08/04/2024  
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SRREG  
CID-24-04 V3

08/02/2025  
SRREG  
CID-24-04 V4

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CID-24-04 V5

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

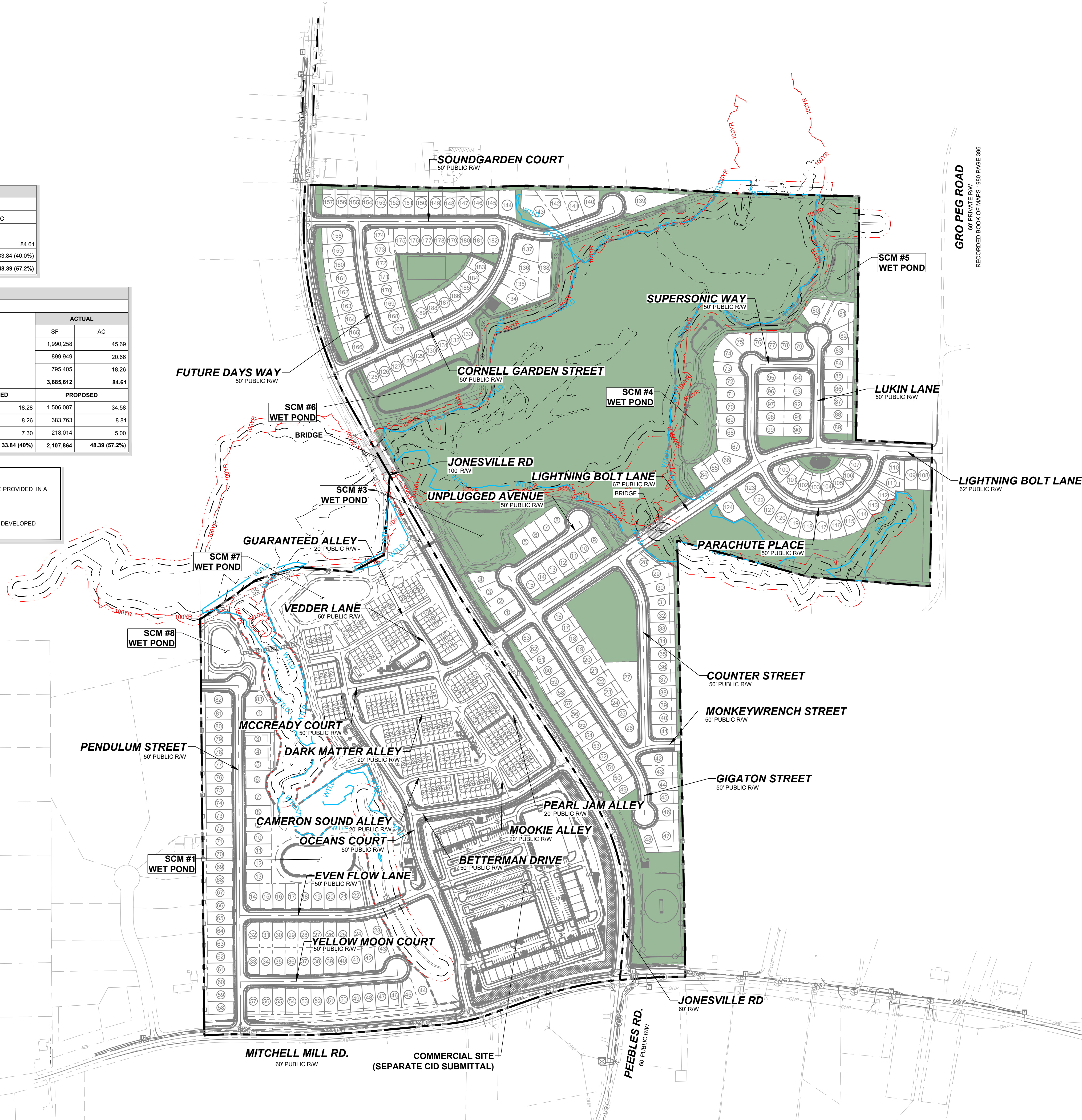
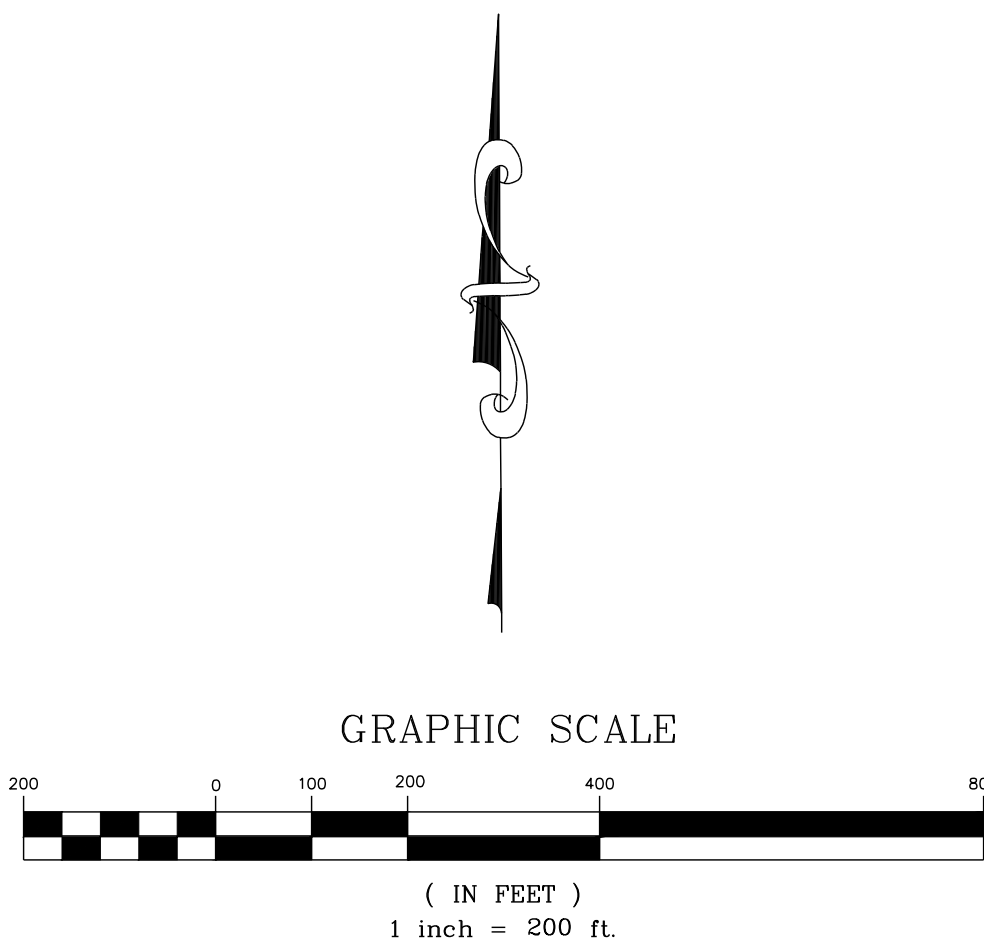
**NOTES:**

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

200 0 100 200 400 800

( IN FEET )

1 inch = 200 ft.



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STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	SRG	DRAWN BY	SRG	CHECKED BY	SRG
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**RESERVE @ MITCHELL MILL**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**OVERALL OPEN SPACE RM-CZ**

## DRAWING SHEET

**C-7.2**

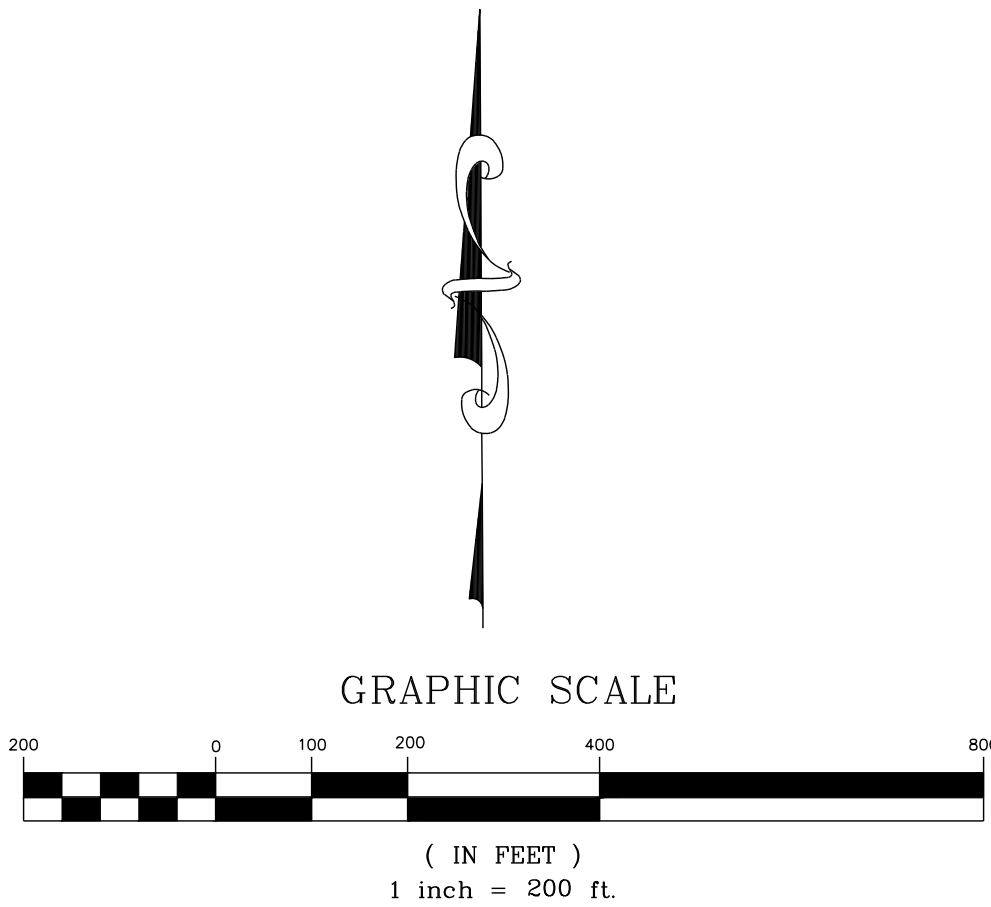


RM-CZ PASSIVE AND ACTIVE OPEN SPACE CALCULATIONS						
TOTAL PROPERTY AREA	PHASE 1	REQUIRED			PROPOSED	
		SF	AC	PERCENT	SF	AC
					1,990,258	45.69
					899,949	20.66
	PHASE 3				795,405	18.26
TOTAL RM-CZ AREA					3,685,612	84.61
OPEN SPACE	PASSIVE	6.2.1.D.1	442,273.44	10.15	12%	
	ACTIVE	6.2.1.G.12	221,136.72	5.08	6%	
PASSIVE OPEN SPACE PER PHASE "POS"						
PHASE 1						
POS 1	GREENWAY				26,869	0.62 (0.7%)
POS 2	NATURAL AREAS				1,163,923	26.72 (31.6%)
PHASE 2						
POS 3	GREENWAY				45,020	1.03 (1.2%)
POS 4	LAWN AND NATURAL AREA				39,881	0.92 (1.1%)
POS 5	LAWN AND NATURAL AREA				36,042	0.83 (1.0%)
PHASE 3						
POS 6	POLLINATOR GARDEN				47,045	1.08 (1.3%)
POS 7	PRIMITIVE TRAIL				60,548	1.39 (1.6%)
TOTAL PROPOSED PASSIVE OPEN SPACE		SECTION 6.2.1.D.1	442,273.00	10.15	12%	1,419,329 32.58 (38.5%)
ACTIVE OPEN SPACE "AS"						
PHASE 1						
AS 1	CRICKET PITCH				76,502	1.76 (2.1%)
AS 2	AMENITY CENTER				65,780	1.51 (1.8%)
PHASE 2						
AS 3	SMALL IPEMA PLAYGROUND				9,855	0.23 (0.3%)
AS 4	PARKOUR COURSE				74,931	1.71 (2.0%)
PHASE 3						
AS 5	SMALL IPEMA PLAYGROUND				8,742	0.20 (0.2%)
AS 6	BALLFIELD				45,842	1.05 (1.2%)
TOTALS PHASES 1,2 & 3		SECTION 6.2.1.G.12	221,173.00	5.08	6%	278,524 6.39 (7.6%)

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

LEGEND:	
	MASTER PLAN BOUNDARY
	EXISTING ADJOINER PROPERTY LINE
	EXISTING INTERMITTENT STREAM
	EXISTING PERENNIAL STREAM
	EXISTING BUFFER ZONE 1
	EXISTING BUFFER ZONE 2
	500 YEAR FLOOD LINE
	100 YEAR FLOOD LINE
	ACTIVE OPEN SPACE
	PASSIVE OPEN SPACE
	EXISTING WETLAND

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



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STRONG ROCK PROJECT  
PSP-24-03

NOT FOR  
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SCALE  
AS SHOWN

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SRG

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SRG

CHECKED BY  
SRG

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

CONSTRUCTION PLANS

PASSIVE & ACTIVE OPEN SPACE  
RM-CZ ZONE

DRAWING  
SHEET

C-7.3

34 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

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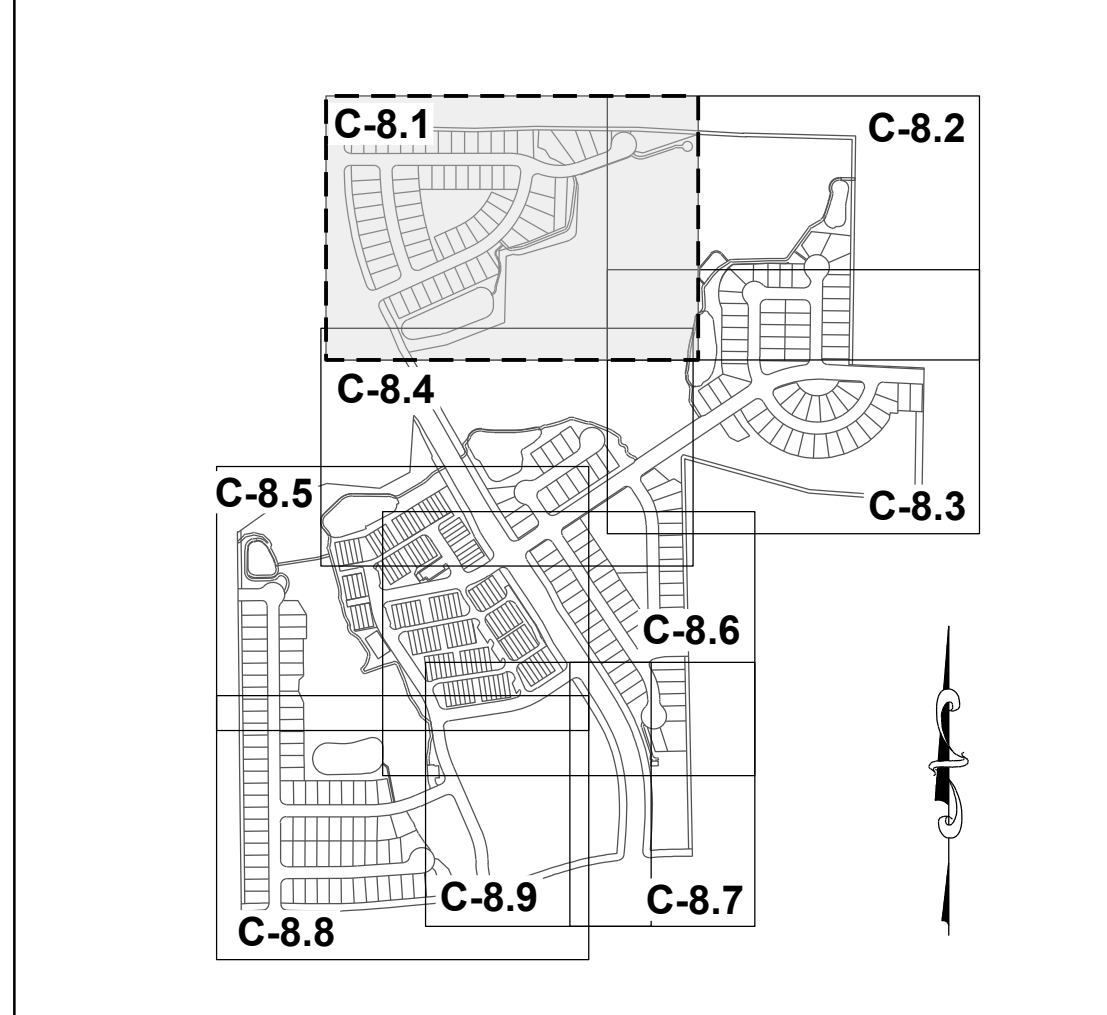
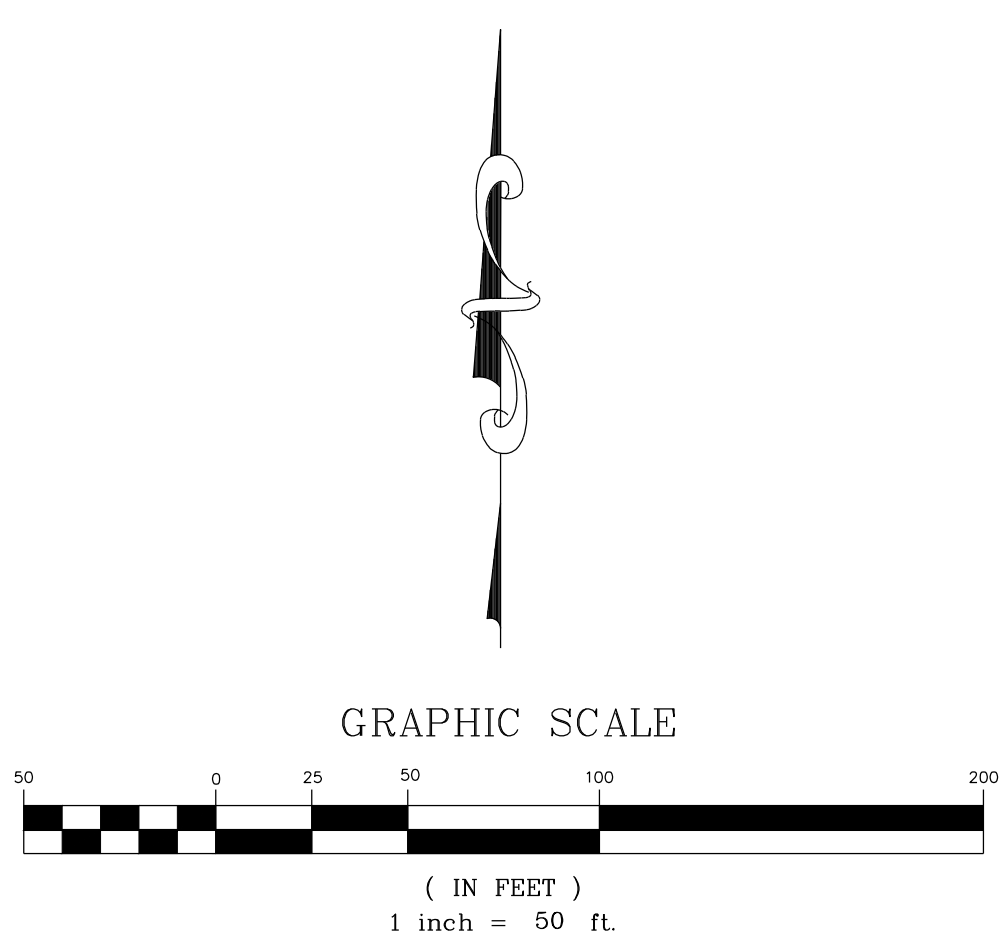
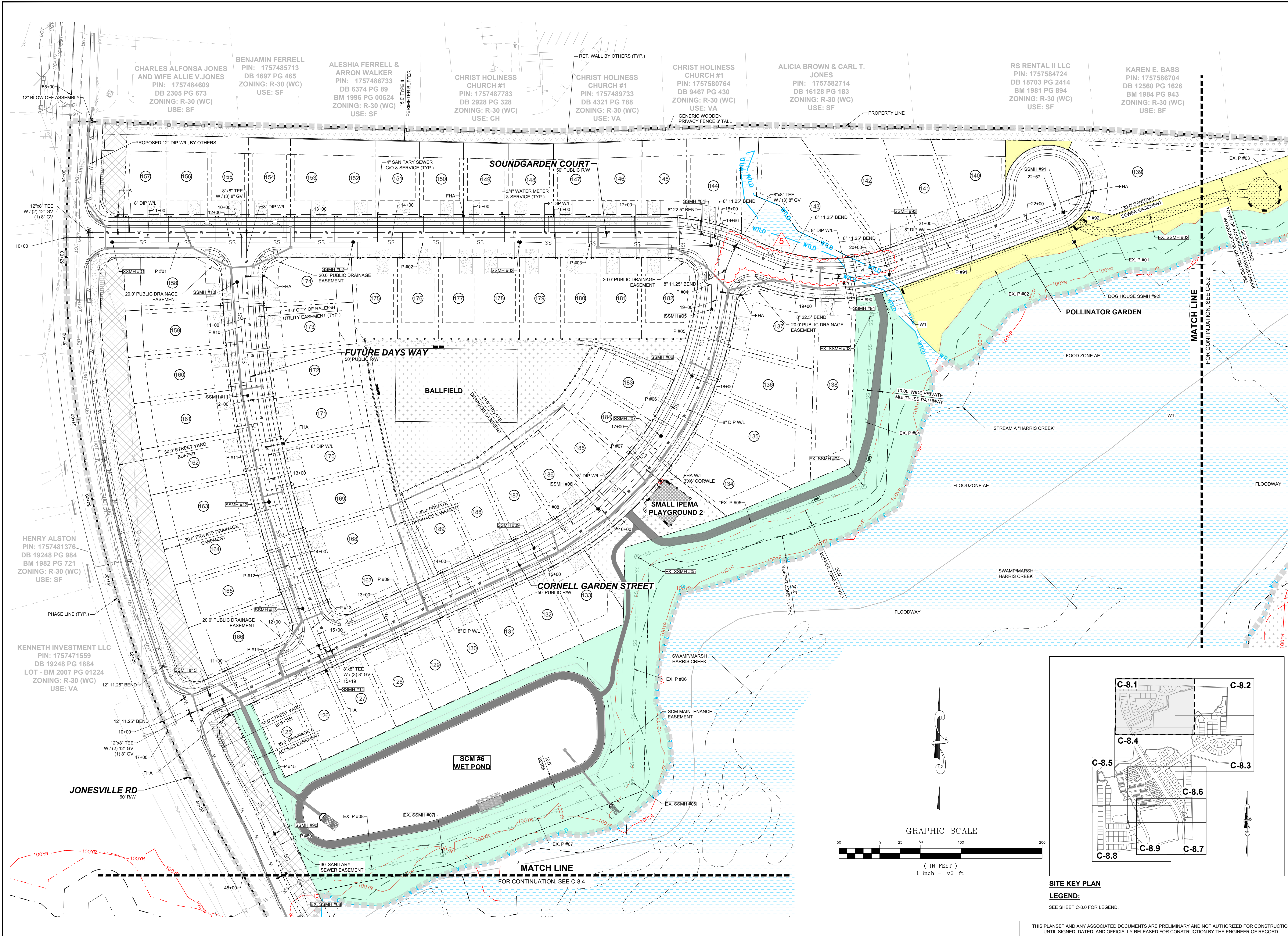
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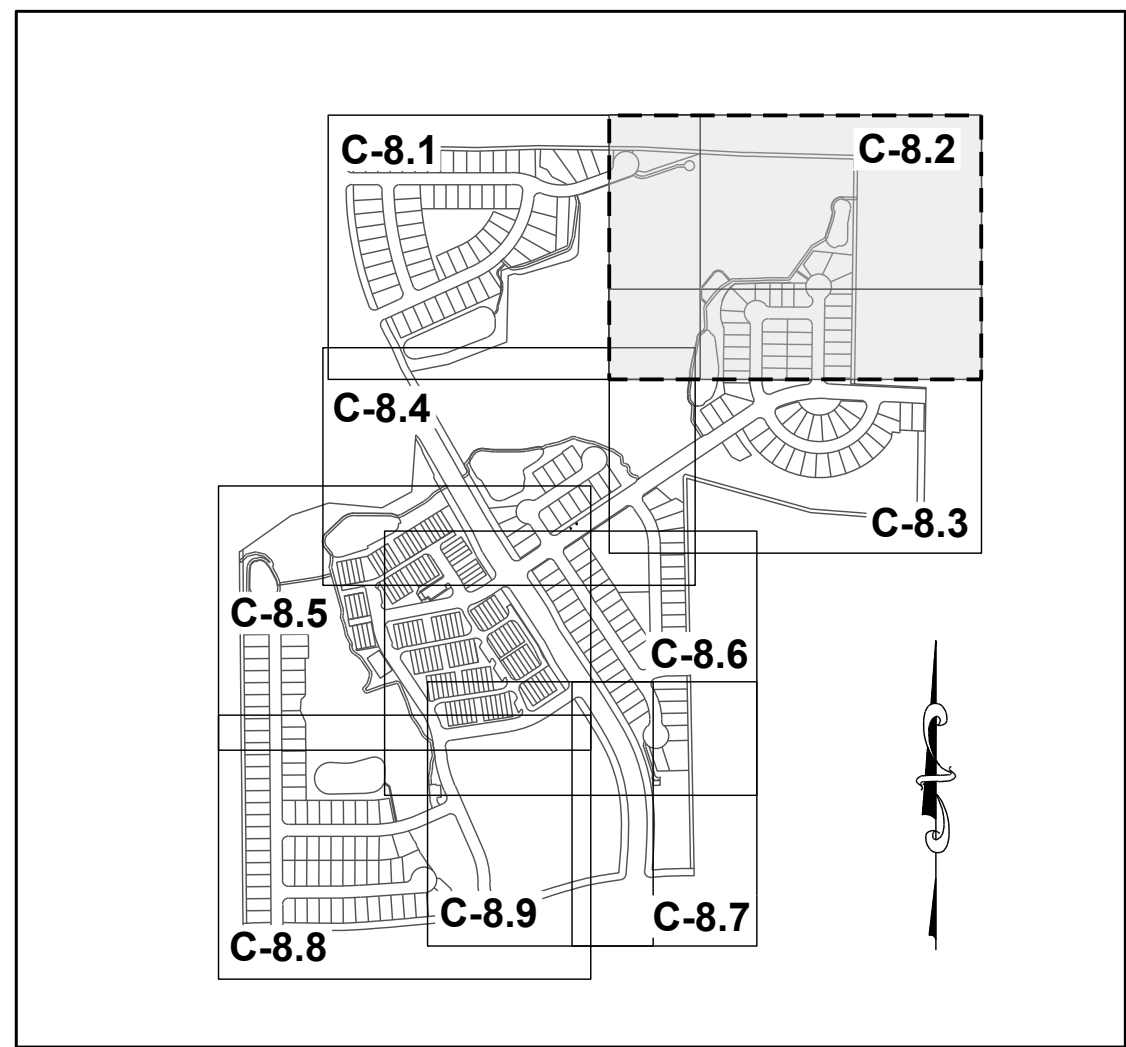


**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET C-8.0 FOR LEGEND.

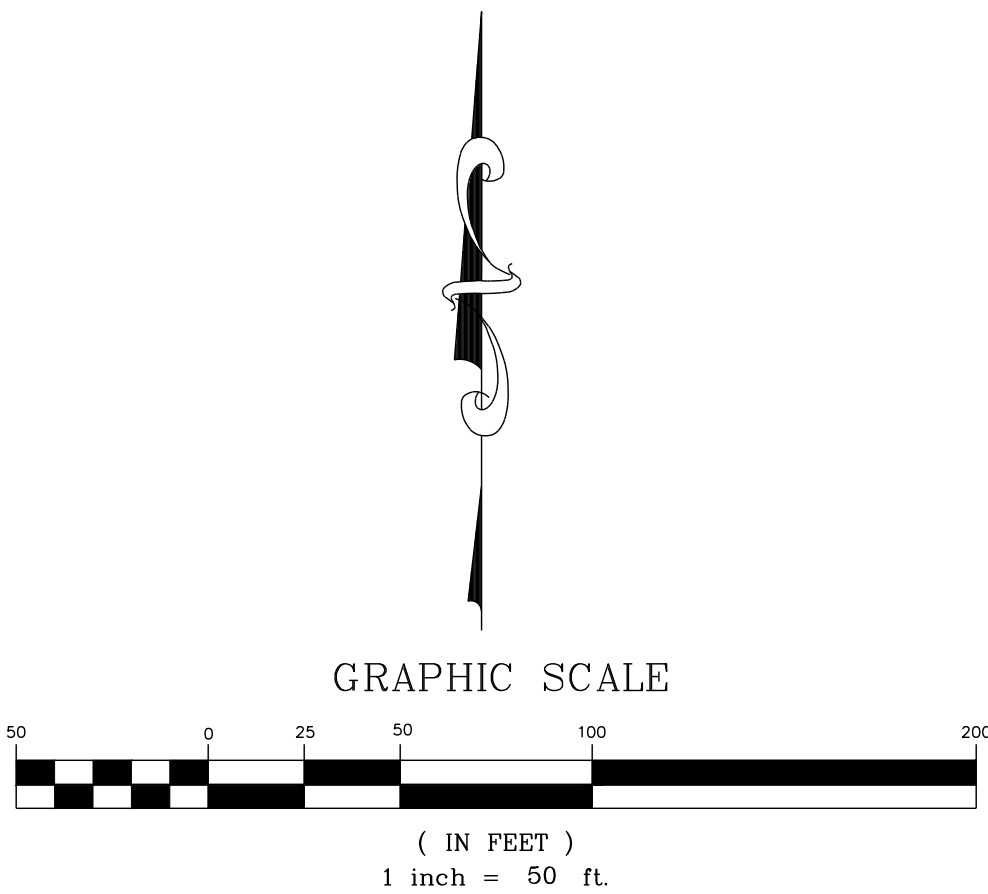
<b>STRONGROCK</b> ENGINEERING GROUP STRONG ROCK ENGINEERING GROUP, PLLC   COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609   INFORMATION@STRONGROCKGROUP.COM	
<b>RESERVE @ MITCHELL MILL</b> TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA <b>CONSTRUCTION PLANS</b> <b>PARTIAL UTILITY PLAN I</b>	
<b>DRAWING SHEET</b> <b>C-8.1</b>	
<b>36 OF 230</b>	

CONSTRUCTION INFRASTRUCTURE DRAWINGS	NO.	REVISIONS	DATE	BY
01				
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**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET C-8.0 FOR LEGEND.



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

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CHECKED BY	SRG	

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**PARTIAL UTILITY PLAN II**

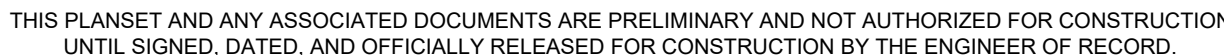
## PARTIAL UTILITY PLAN II

**DRAWING**  
**SHEET**

**C-8.2**

**37 OF 230**

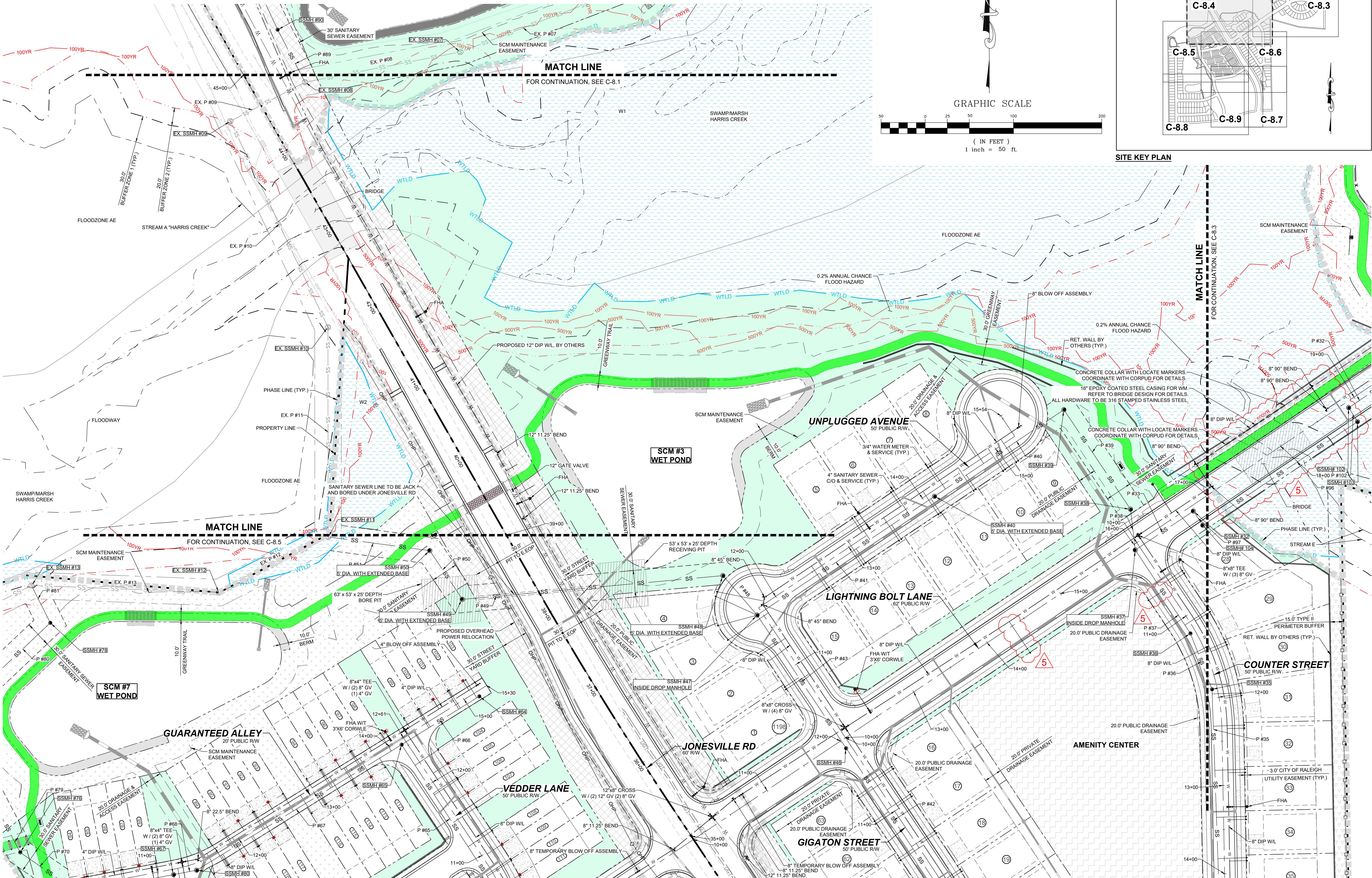
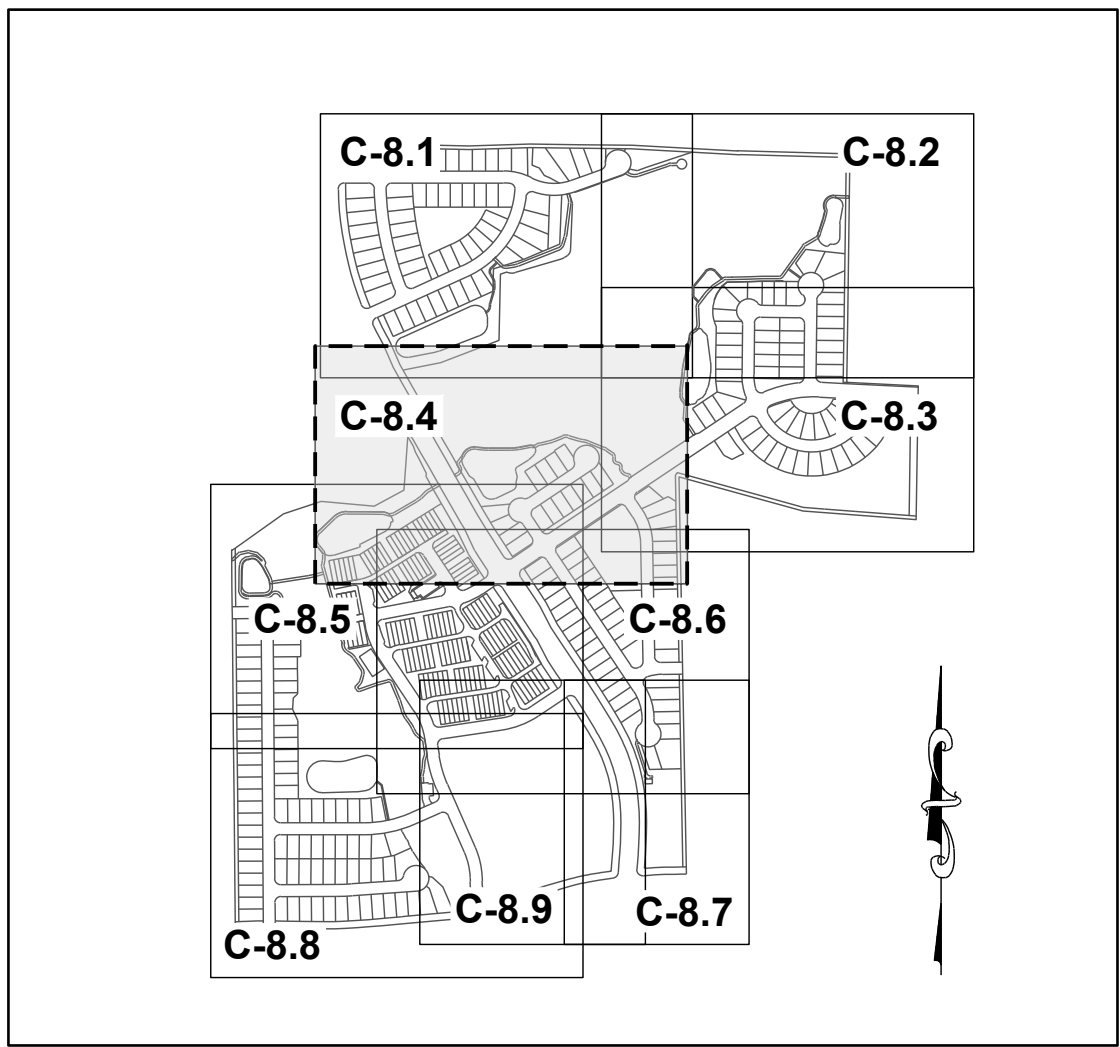
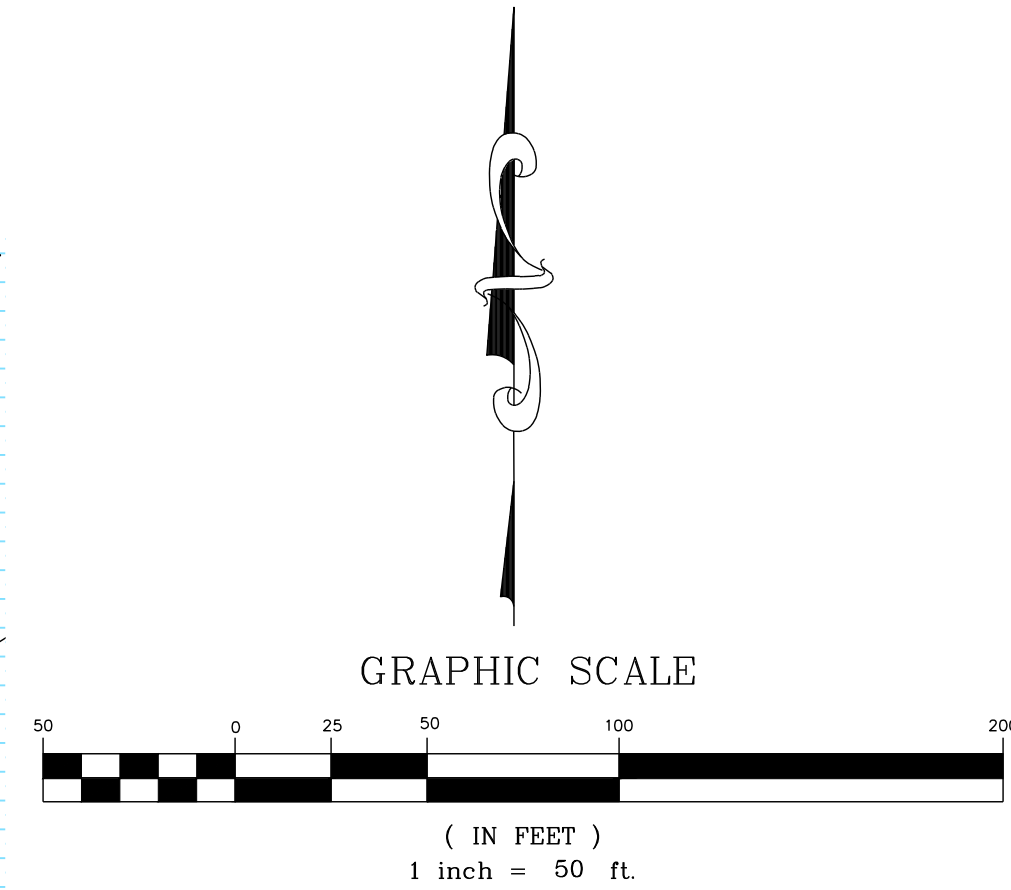






**TOWNHOME NOTES:**  
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

**LEGEND:**  
SEE SHEET C-8.0 FOR LEGEND.



**STRONGROCK**  
ENGINEERING GROUP

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

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

DRAWING  
SHEET  
**C-8.4**

SEAL:

CONSTRUCTION INFRASTRUCTURE DRAWINGS	DATE	BY
CID-24-04	08/04/2024	SRG
TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG
TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG
TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG
No.	REVISIONS	DATE



**TOWNHOME NOTES:**

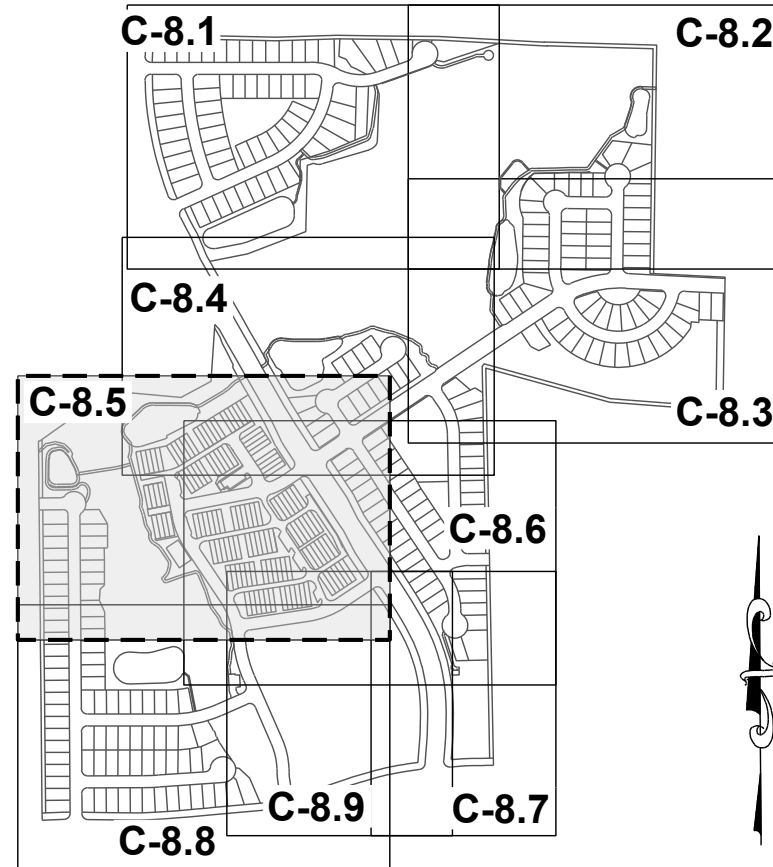
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

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

**LEGEND:**

SEE SHEET C-8.0 FOR LEGEND.



**SITE KEY PLAN**

**STRONGROCK**  
ENGINEERING GROUP

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

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

DRAWING  
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**C-8.5**

**40 OF 230**

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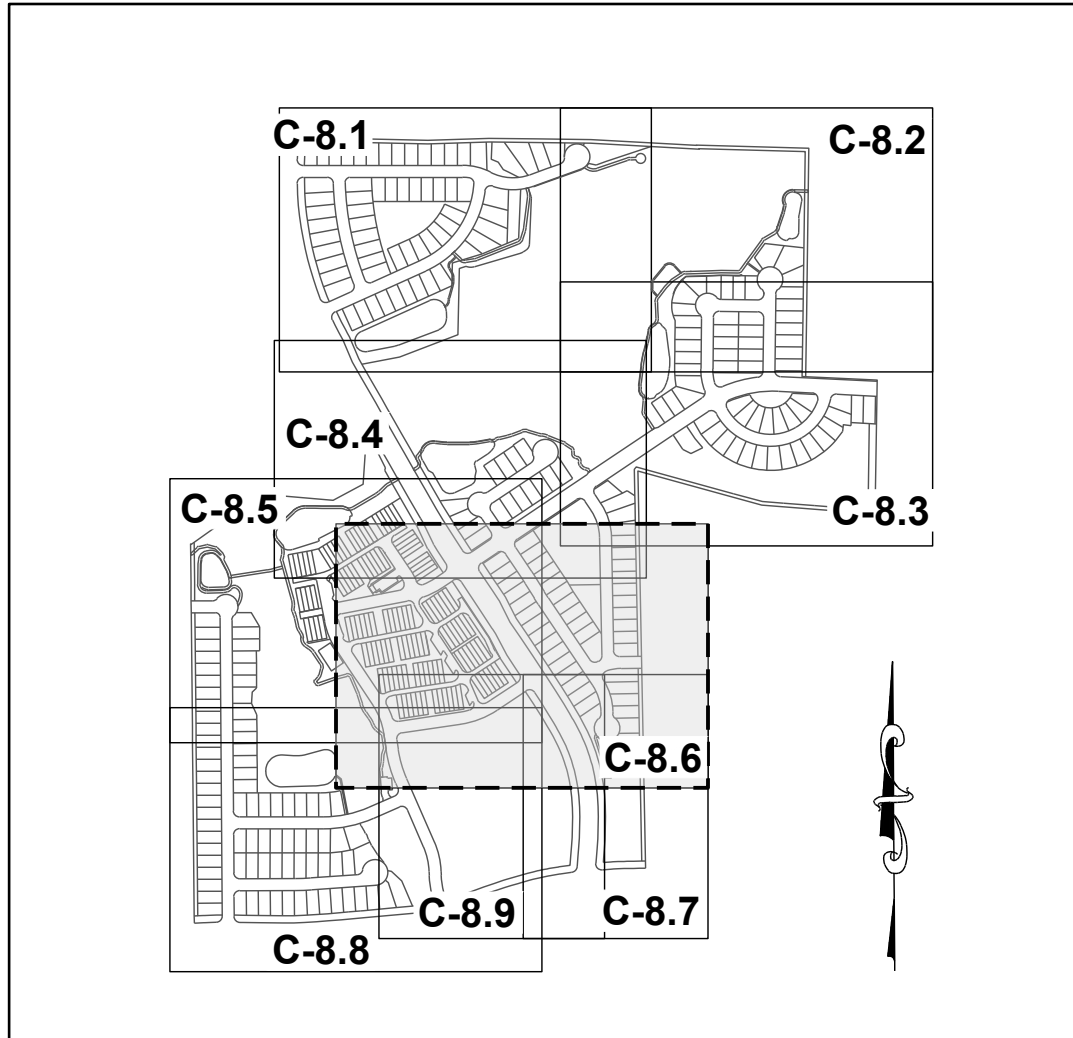
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01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	06/02/2025	SREG
05	TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SREG

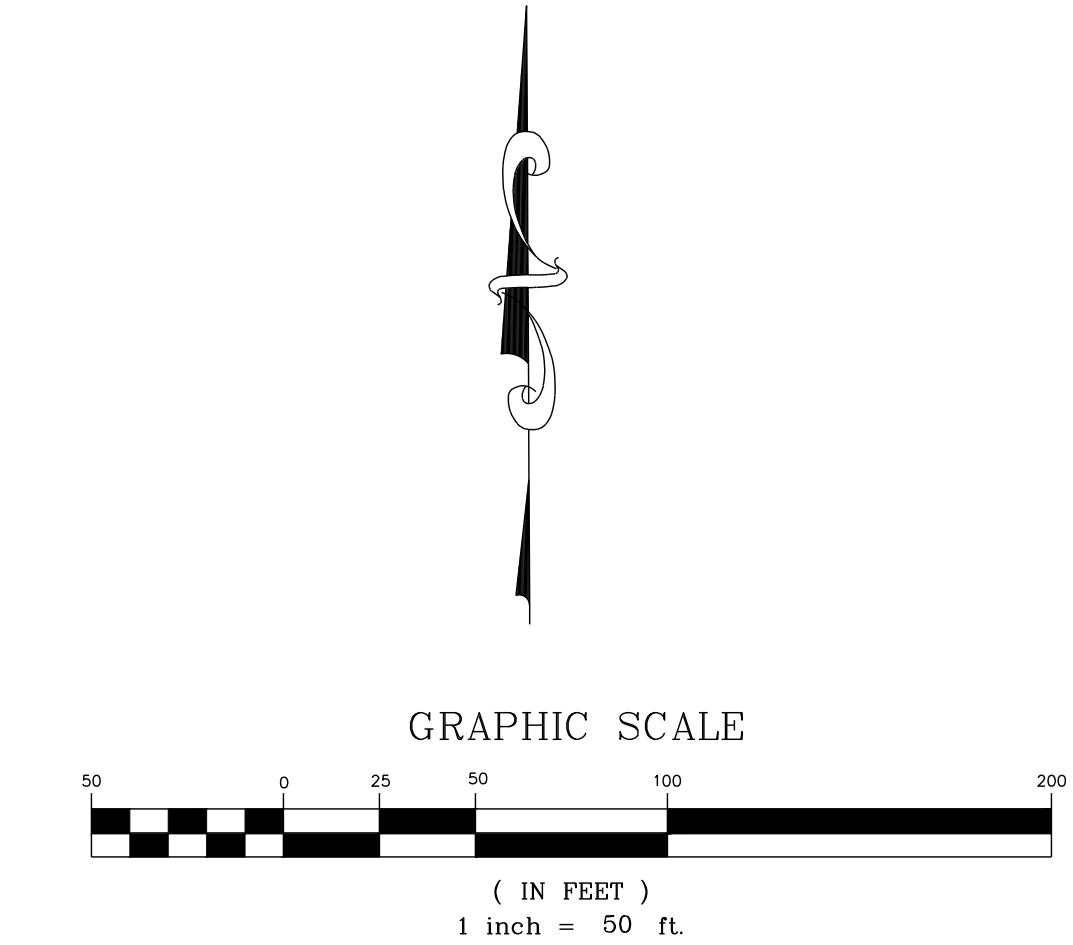




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**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET C-8.0 FOR LEGEND.

**MATCH LINE**  
FOR CONTINUATION, SEE C-8.7



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SEAL:

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
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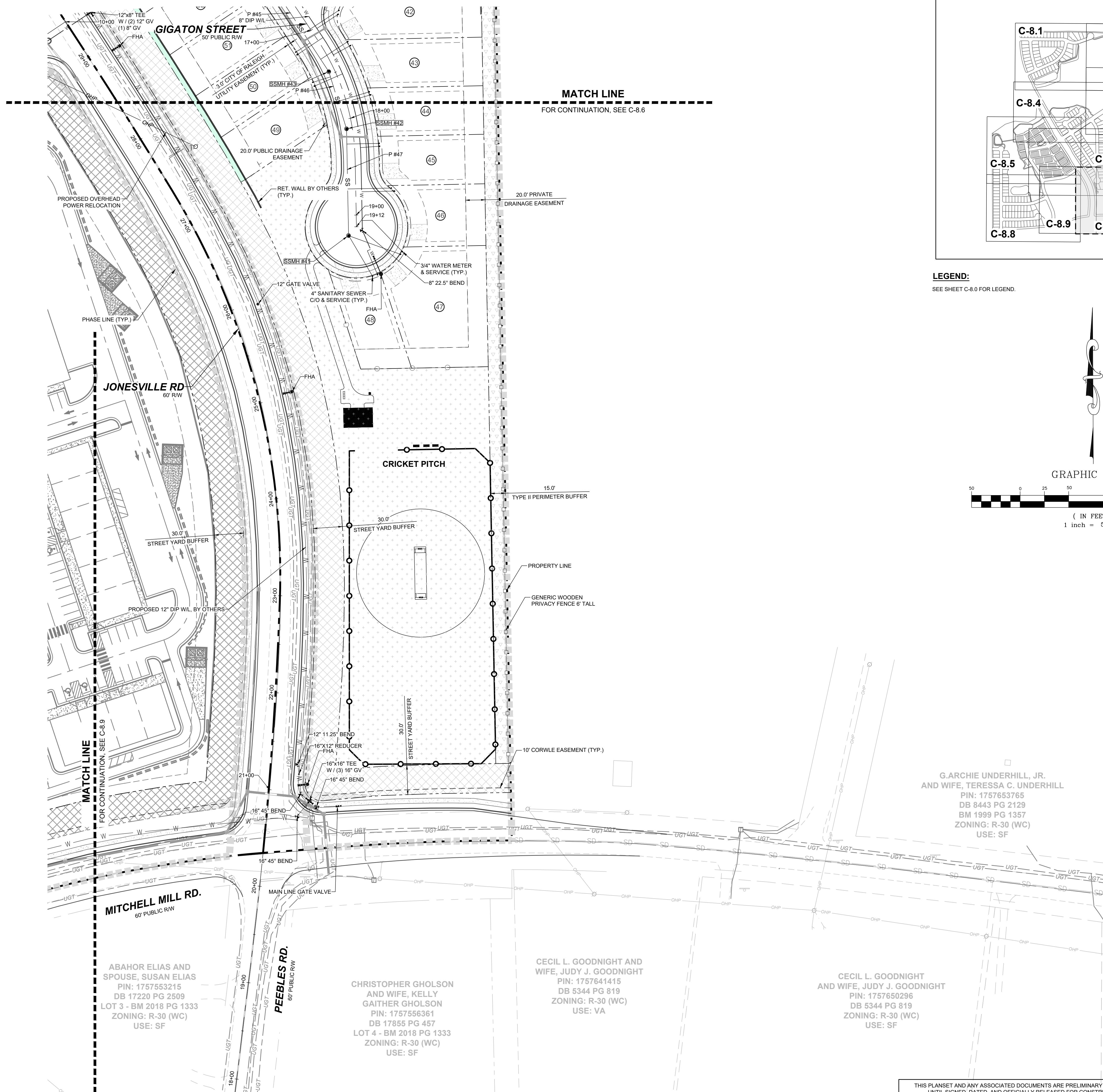


STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	SRG	DRAWN BY	SRG	CHECKED BY	SRG
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**RESERVE @ MITCHELL MILL**  
TOWN OF ROLLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**PARTIAL UTILITY PLAN VII**

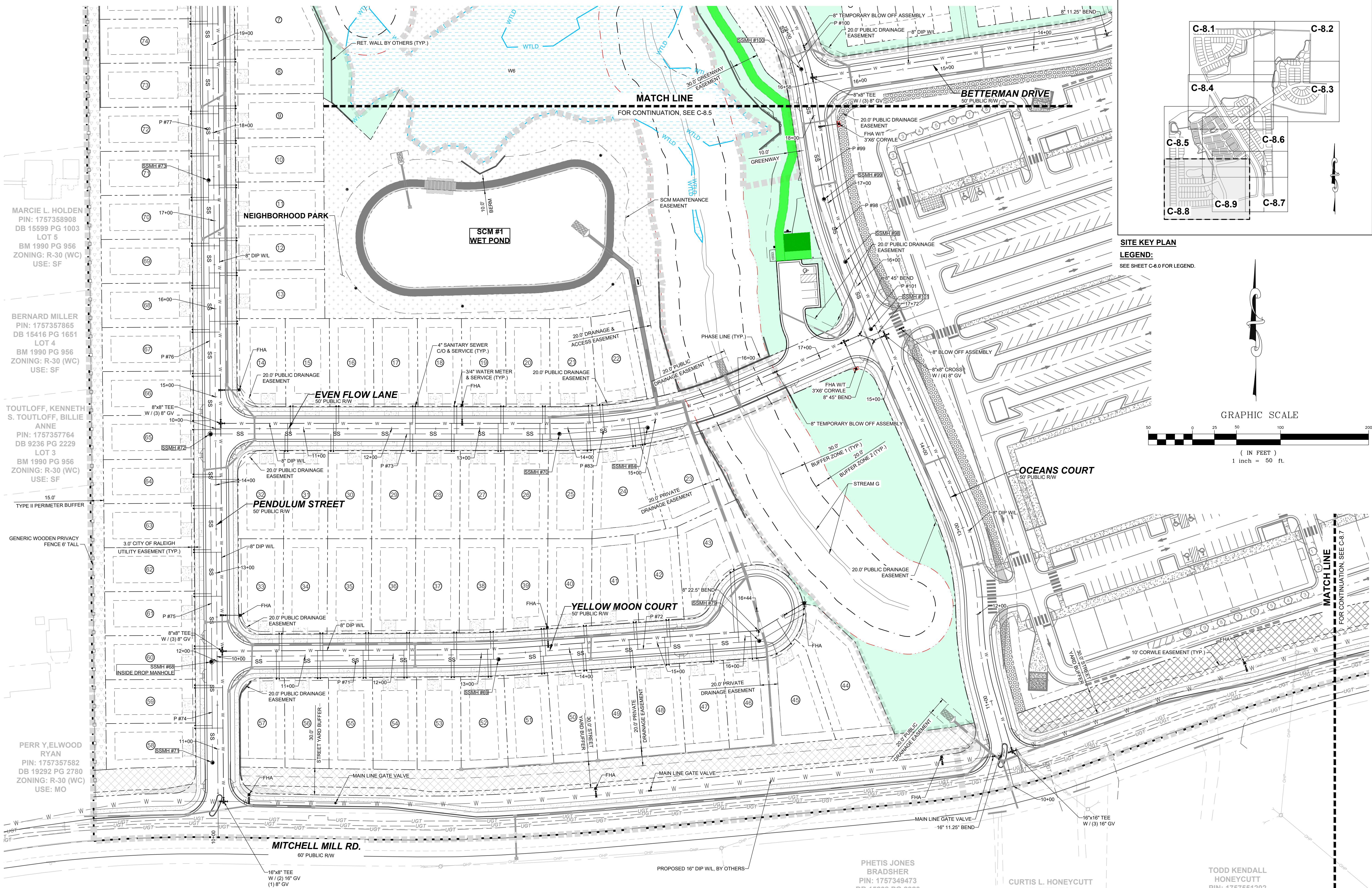
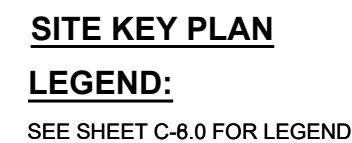
DRAWING  
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42 OF 230



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

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

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

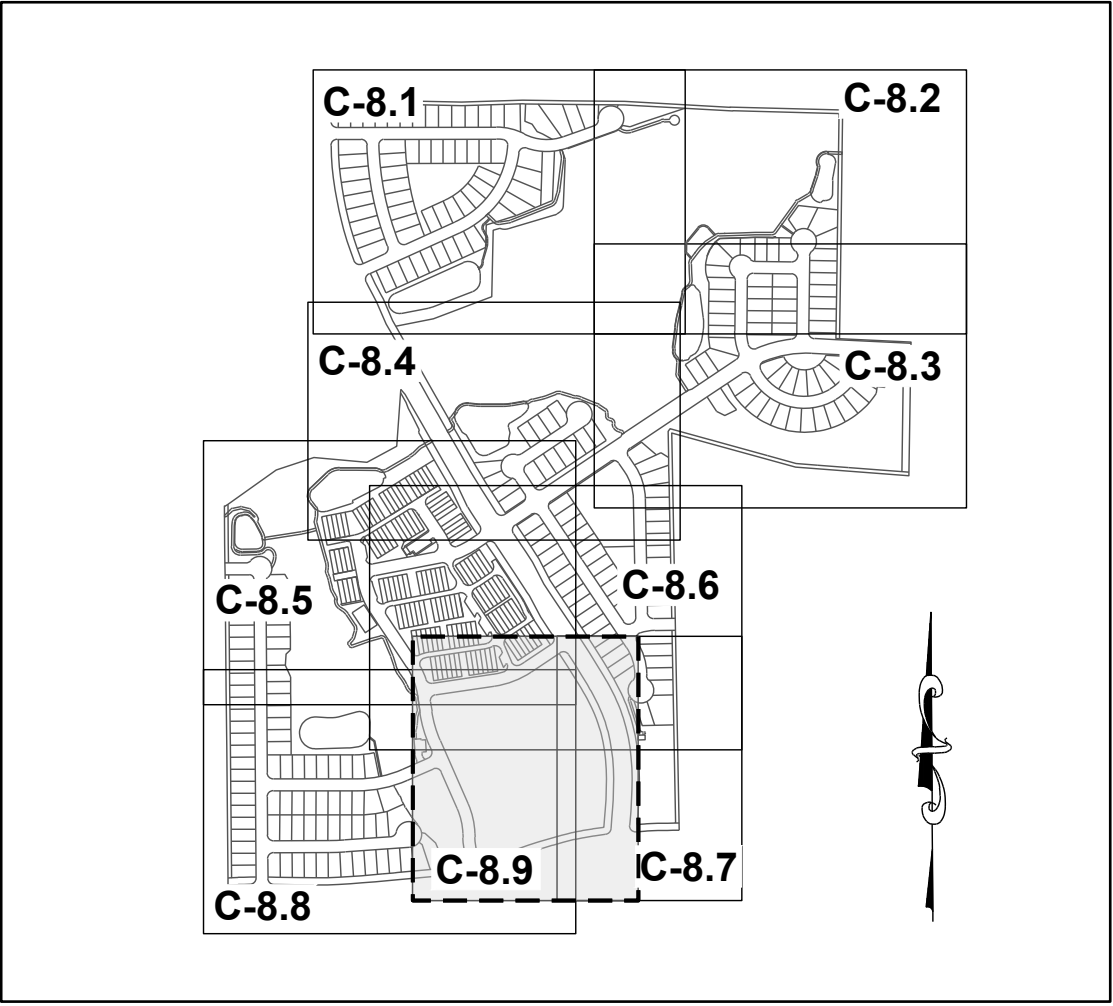
**RESERVE @ MITCHELL MILL  
N OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL UTILITY PLAN VIII**

DRAWING  
SHEET

**C-8.8**

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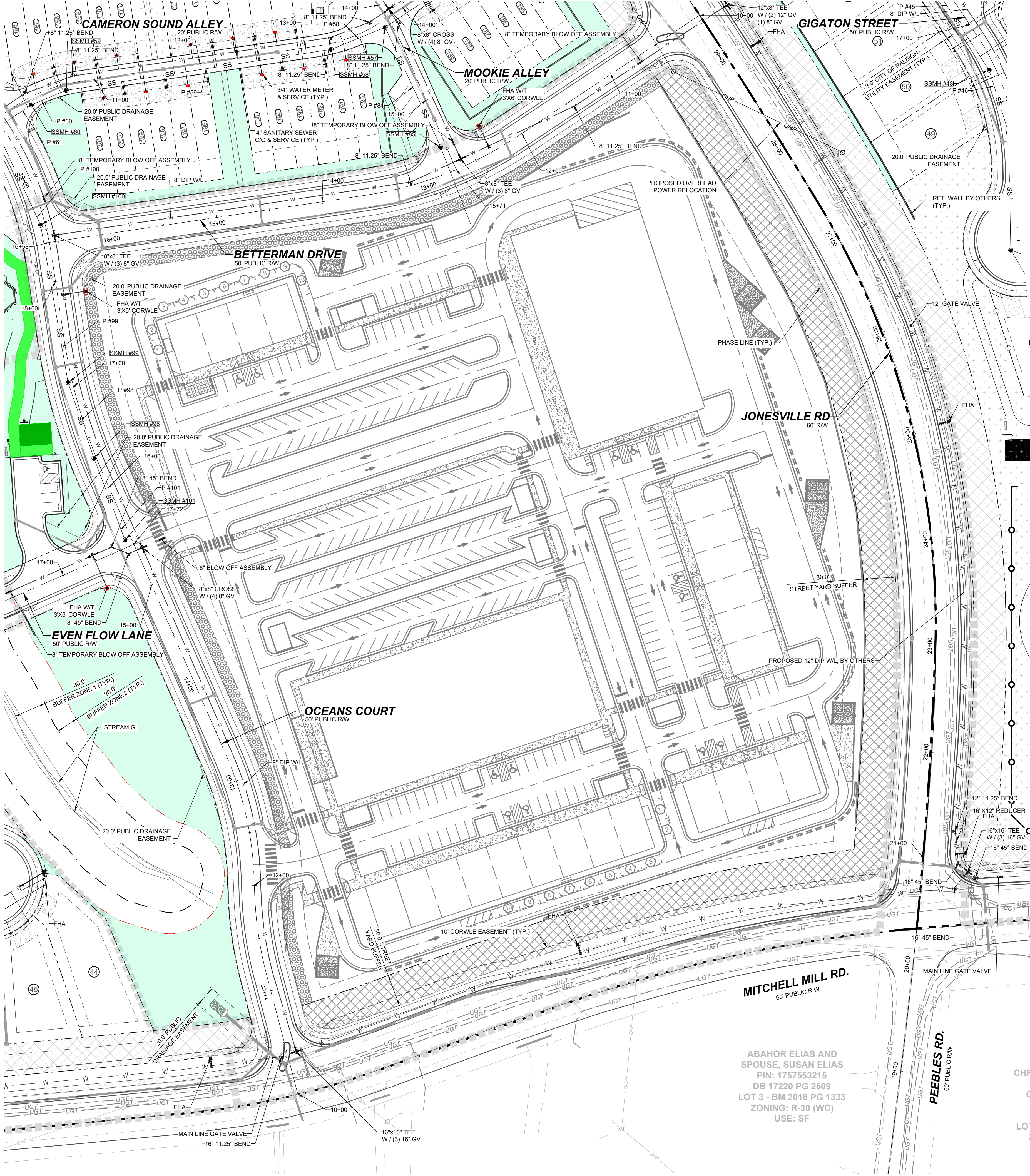
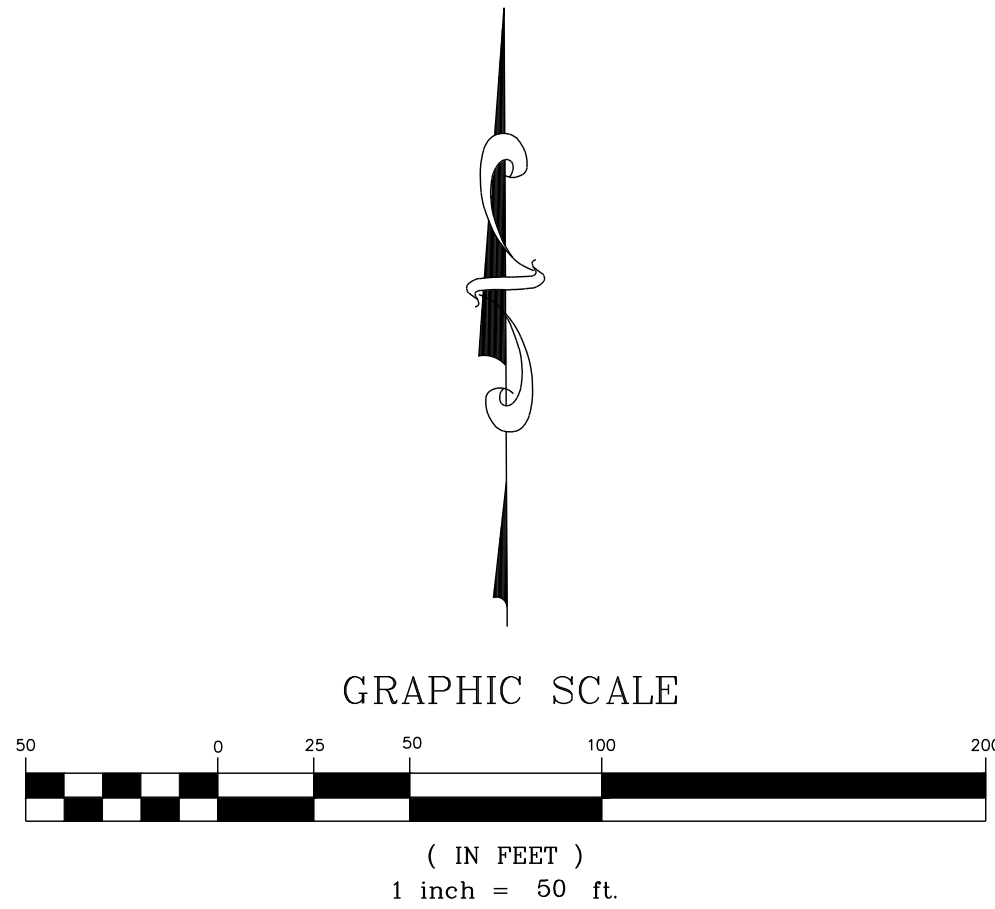
SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

TOWNHOME NOTES:

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



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.

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-24-03

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SRG

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

DRAWING  
SHEET  
C-8.9

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CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	08/04/2024	SRG	BY
TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG	
TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG	
TOWN OF ROLESVILLE CID-24-04 V4	08/02/2024	SRG	
TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG	
No.		REVISIONS	DATE



PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	PVC - SDR 35	8"	296	252.37	250.89	0.50%
P #02	PVC - SDR 26	8"	205	250.69	249.67	0.50%
P #03	PVC - SDR 26	8"	235	249.47	245.88	1.52%
P #04	PVC - SDR 35	8"	78	245.68	242.01	4.69%
P #05	PVC - SDR 35	8"	86	241.81	241.38	0.50%
P #06	PVC - SDR 35	8"	83	241.18	240.76	0.50%
P #07	PVC - SDR 35	8"	119	240.56	239.97	0.50%
P #08	PVC - SDR 35	8"	92	239.77	239.31	0.50%
P #09	PVC - SDR 35	8"	291	237.87	236.42	0.50%
P #10	PVC - SDR 35	8"	140	250.07	243.42	4.74%
P #11	PVC - SDR 35	8"	134	243.22	238.69	3.39%
P #12	PVC - SDR 35	8"	137	238.49	237.81	0.50%
P #13	PVC - SDR 35	8"	50	237.61	236.60	2.03%
P #14	PVC - SDR 35	8"	147	236.22	232.44	2.58%
P #15	PVC - SDR 35	8"	189	232.24	231.29	0.50%
P #16	PVC - SDR 35	8"	149	251.98	251.24	0.50%
P #17	PVC - SDR 35	8"	238	257.50	251.55	2.49%
P #18	PVC - SDR 35	8"	257	251.04	249.76	0.50%
P #19	PVC - SDR 35	8"	290	249.56	245.97	1.23%
P #20	PVC - SDR 35	8"	58	245.77	243.82	3.37%
P #21	PVC - SDR 35	8"	50	243.62	241.49	4.27%
P #22	PVC - SDR 35	8"	162	280.31	272.82	4.63%
P #23	PVC - SDR 35	8"	86	272.62	267.66	5.74%
P #24	PVC - SDR 35	8"	73	267.46	263.81	5.01%
P #25	PVC - SDR 35	8"	78	263.61	260.38	4.12%
P #26	PVC - SDR 35	8"	87	260.18	256.87	3.81%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #27	PVC - SDR 35	8"	87	256.67	249.70	8.00%
P #28	PVC - SDR 35	8"	100	249.50	247.20	2.29%
P #29	PVC - SDR 35	8"	87	247.00	244.67	2.68%
P #30	PVC - SDR 35	8"	64	244.47	242.90	2.44%
P #31	PVC - SDR 26	8"	141	241.29	239.50	1.27%
P #32	PVC - SDR 26	8"	232	237.00	235.84	0.50%
P #33	PVC - SDR 26	8"	79	233.80	233.40	0.50%
P #34	PVC - SDR 35	8"	302	278.17	264.71	4.45%
P #35	PVC - SDR 35	8"	272	264.51	249.94	5.36%
P #36	PVC - SDR 35	8"	68	249.74	245.20	6.70%
P #37	PVC - SDR 35	8"	113	245.00	241.80	2.83%
P #38	PVC - SDR 26	8"	46	233.20	232.97	0.50%
P #39	PVC - SDR 26	8"	136	232.77	232.09	0.50%
P #40	DIP	8"	176	231.89	231.01	0.50%
P #41	DIP	8"	242	230.81	229.60	0.50%
P #42	PVC - SDR 35	8"	195	265.30	256.12	4.70%
P #43	PVC - SDR 26	8"	181	250.14	255.92	3.18%
P #44	PVC - SDR 35	8"	268	277.10	265.50	4.33%
P #45	PVC - SDR 35	8"	272	288.55	277.30	4.14%
P #46	PVC - SDR 35	8"	62	291.50	290.19	2.12%
P #47	PVC - SDR 35	8"	110	297.32	291.70	5.12%
P #48	DIP	8"	59	229.40	229.11	0.50%
P #49	DIP	8"	296	228.91	227.42	0.50%
P #50	DIP	8"	66	227.22	226.89	0.50%
P #51	DIP	8"	116	226.69	226.11	0.50%
P #52	PVC - SDR 35	8"	106	277.37	267.79	9.00%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #53	PVC - SDR 35	8"	44	267.59	266.02	3.61%
P #54	PVC - SDR 35	8"	317	265.82	248.77	5.38%
P #55	PVC - SDR 26	8"	35	248.57	246.61	5.59%
P #56	PVC - SDR 26	8"	30	246.41	246.26	0.50%
P #57	PVC - SDR 35	8"	150	283.63	278.13	3.67%
P #58	PVC - SDR 35	8"	55	277.93	277.36	1.05%
P #59	PVC - SDR 35	8"	251	277.16	261.79	6.12%
P #60	PVC - SDR 35	8"	35	261.59	259.36	6.28%
P #61	PVC - SDR 35	8"	40	259.16	258.96	0.50%
P #62	PVC - SDR 26	8"	261	258.76	248.56	3.90%
P #63	PVC - SDR 26	8"	84	246.06	245.64	0.50%
P #64	PVC - SDR 26	8"	92	245.44	243.93	1.63%
P #65	PVC - SDR 35	8"	223	258.42	247.76	4.78%
P #66	PVC - SDR 35	8"	104	249.85	245.76	3.95%
P #67	PVC - SDR 26	8"	272	245.56	240.01	2.04%
P #68	PVC - SDR 26	8"	27	239.81	239.67	0.50%
P #69	PVC - SDR 26	8"	110	239.47	238.93	0.50%
P #70	PVC - SDR 26	8"	80	238.73	235.52	3.99%
P #71	DIP	8"	325	266.82	265.19	0.50%
P #72	DIP	8"	297	268.50	267.02	0.50%
P #73	PVC - SDR 26	8"	396	267.04	265.06	0.50%
P #74	PVC - SDR 26	8"	114	283.62	276.12	6.56%
P #75	DIP	8"	259	264.99	263.70	0.50%
P #76	PVC - SDR 26	8"	288	263.50	262.06	0.50%
P #77	PVC - SDR 26	8"	223	261.86	256.83	2.26%
P #78	PVC - SDR 26	8"	390	254.33	249.00	1.37%

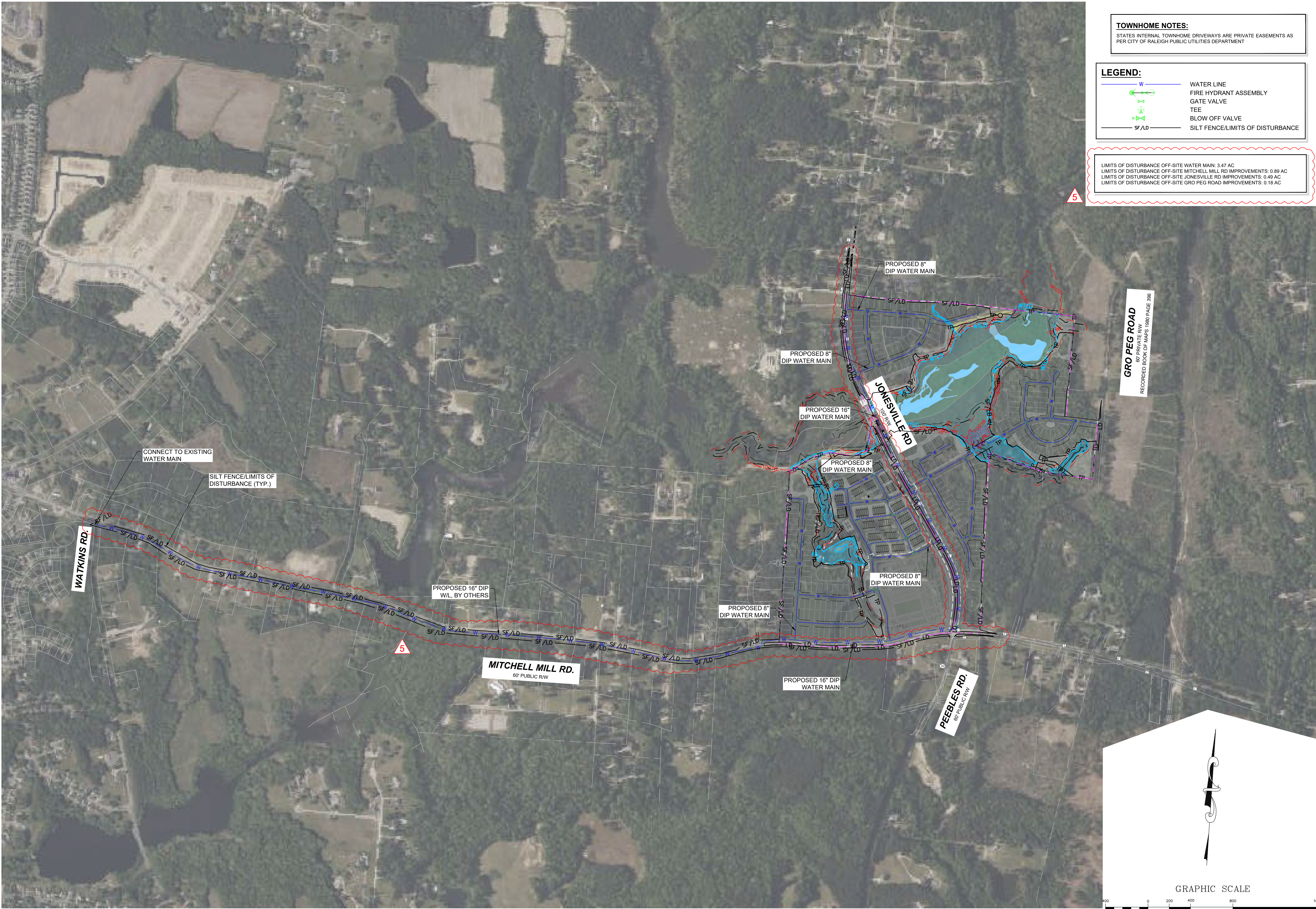
PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #79	PVC - SDR 35	8"	172	235.32	231.63	2.14%
P #80	PVC - SDR 35	8"	157	231.43	230.65	0.50%
P #81	PVC - SDR 35	8"	47	230.45	230.21	0.50%
P #82	PVC - SDR 26	8"	124	248.80	248.18	0.50%
P #83	PVC - SDR 35	8"	100	267.75	267.24	0.50%
P #84	PVC - SDR 35	8"	124	288.26	280.13	6.57%
P #85	PVC - SDR 26	8"	226	247.98	230.01	7.95%
P #86	PVC - SDR 35	8"	44	229.81	225.98	8.74%
P #87	PVC - SDR 26	8"	148	241.42	240.68	0.50%
P #88	PVC - SDR 26	8"	107	242.15	241.62	0.50%
P #89	PVC - SDR 35	8"	67	231.09	230.76	0.50%
P #90	PVC - SDR 35	8"	57	245.52	245.23	0.50%
P #91	PVC - SDR 26	8"	227	245.03	238.92	2.69%
P #92	PVC - SDR 26	8"	39	236.42	233.77	6.80%
P #93	PVC - SDR 35	8"	29	280.93	280.51	1.47%
P #94	DIP	8"	105	253.56	253.03	0.50%
P #95	DIP	8"	130	252.83	252.18	0.50%
P #96	PVC - SDR 26	8"	211	235.35	234.29	0.50%
P #97	PVC - SDR 26	8"	19	234.09	234.00	0.50%
P #98	PVC - SDR 35	8"	75	269.26	266.98	3.04%
P #99	PVC - SDR 35	8"	150	265.89	261.68	2.82%
P #100	PVC - SDR 35	8"	100	261.48	259.87	1.61%
P #101	PVC - SDR 35	8"	82	271.30	270.00	1.59%
P #102	PVC - SDR 26	8"	19	235.64	235.55	0.50%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
DOG HOUSE SSMH #92	5'	245.04	231.47 E 233.77 N	231.27 W	13.77
SSMH #01	4'	260.03		252.37 E	7.66
SSMH #02	4'	262.40	250.89 W	250.69 E	11.71
SSMH #03	5'	263.57	249.67 W	249.47 E	14.10
SSMH #04	4'	254.44	245.88 W	245.68 S	8.75
SSMH #05	4'	250.97	242.01 N	241.81 S	9.17
SSMH #06	4'	248.92	241.38 N	241.18 SW	7.75
SSMH #07	4'	248.43	240.76 NE	240.56 SW	7.87
SSMH #08	4'	247.89	239.97 NE	239.77 SW	8.12
SSMH #09	4'	247.37	239.31 NE	237.87 SW	9.50
SSMH #10	4'	259.76		250.07 S	9.71
SSMH #11	4'	252.90	243.42 N	243.22 S	9.70
SSMH #12	4'	247.22	238.69 N	238.49 S	8.72
SSMH #13	4'	245.86	237.81 N	237.61 SE	8.25
SSMH #14	4'	245.88	236.42 NE 236.60 NW	236.22 SW	9.67
SSMH #15	4'	242.33	232.44 NE	232.24 SE	10.09
SSMH #16	4'	260.64	252.18 NE	251.98 S	8.68
SSMH #17	4'	264.62		257.50 N	7.15
SSMH #18	4'	262.16	251.24 N 251.55 S	251.04 W	11.14
SSMH #19	4'	260.40	249.76 E	249.56 S	10.84
SSMH #20	4'	253.93	245.97 N	245.77 S	8.15
SSMH #21	4'	253.02	243.82 N	243.62 SE	9.40
SSMH #22	4'	286.97	280.51 N	280.31 W	6.67
SSMH #23	4'	281.12	272.82 E	272.62 S	8.50
SSMH #24	4'	276.42	267.66 N	267.46 SW	8.95
SSMH #25	4'	268.23	260.38 NE	260.18 W	8.05

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #26	4'	263.50	256.87 E	256.67 W	6.83
SSMH #27	4'	258.77	249.70 E	249.50 NW	9.27
SSMH #28	4'	254.94	247.20 SE	247.00 NW	7.95
SSMH #29	4'	253.50	244.67 SE	244.47 NW	9.03
SSMH #30	4'	252.81	242.90 SE 241.49 NW	241.29 SW	11.54
SSMH #31	5'	249.52	239.50 NE 237.20 SE	237.00 SW	13.02
SSMH #32	5'	250.52	234.00 SE	233.80 SW	16.74
SSMH #33	4'	289.81		278.17 N	11.66
SSMH #34	4'	273.17	264.71 S	264.51 N	8.66
SSMH #35	4'	258.17	249.94 S	249.74 N	8.45
SSMH #36	4'	254.48	245.20 S	245.00 NW	9.48
SSMH #37 INSIDE DROP MANHOLE	5'	251.44	233.40 NE 241.80 SE	233.20 N	18.24
SSMH #38	5'	251.47	232.97 S	232.77 NW	18.72
SSMH #39	5'	248.80	232.09 SE	231.89 SW	16.91
SSMH #40 5' DIA. WITH EXTENDED BASE	5'	251.12	231.01 NE	230.81 SW	20.31
SSMH #41	4'	304.11		297.32 N	6.79
SSMH #42	4'	299.36	291.70 S	291.50 N	7.86
SSMH #43	4'	296.66	290.19 S	288.55 NW	8.13
SSMH #44	4'	285.04	277.30 SE	277.10 NW	7.94
SSMH #45	4'	273.64	265.50 SE	265.30 NW	8.37
SSMH #46	4'	266.75	256.12 SE	255.92 NW	10.86
SSMH #47 INSIDE DROP MANHOLE	5'	258.71	250.14 SE 229.60 NE	229.40 NW	29.31
SSMH #48 5' DIA. WITH EXTENDED BASE	5'	256.75	229.11 SE	228.91 W	27.85
SSMH #49 5' DIA. WITH EXTENDED BASE	5'	252.74	227.42 E	227.22 NW	25.52
SSMH #50 5' DIA. WITH EXTENDED BASE	5'	249.24	226.89 SE	226.69 W	22.55
SSMH #51	4'	284.10		277.37 SW	6.73

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #52	4'	277.39	267.79 NE	267.59 W	9.80
SSMH #53	4'	275.58	266.02 E	265.82 W	9.77
SSMH #54	4'	259.35	248.77 E	248.57 SW	10.78
SSMH #55	5'	258.84	246.61 NE	246.41 SW	12.43
SSMH #56	4'	290.90		283.63 SW	7.27
SSMH #57	4'	288.52	278.13 NE 280.13 SE	277.93 W	10.61
SSMH #58	4'	285.89	277.36 E	277.16 W	8.73
SSMH #59	4'	269.29	261.79 E	261.59 SW	7.70
SSMH #60	4'	268.18	259.36 NE	259.16 SW	9.01
SSMH #61	4'	267.51	258.96 NE 259.87 SE	258.76 NW	8.74
SSMH #62	5'	258.52	246.26 NE 248.56 SE	246.06 NW	12.46
SSMH #63	4'	270.15		258.42 NW	11.72
SSMH #64	4'	258.00		249.85 SW	8.15
SSMH #65	4'	257.19	247.76 SE 245.76 NE	245.56 SW	11.64
SSMH #66	5'	253.09	238.93 E	238.73 NW	14.36
SSMH #67	5'	252.46	239.67 E 240.68 S	239.47 W	12.98
SSMH #68 INSIDE DROP MANHOLE	5'	285.04	265.19 E 276.12 S	264.99 N	20.07
SSMH #69	4'	278.59	267.02 E	266.82 W	11.77
SSMH #70	4'	275.31	267.24 E	267.04 W	8.26
SSMH #71	4'	290.01		283.62 N	6.41
SSMH #72	5'	275.55	263.70 S 265.06 E	263.50 N	12.08
SSMH #73	4'	272.67	262.06 S	261.86 N	10.81
SSMH #74	5'	269.01	256.83 S	254.33 N	14.67
SSMH #75	4'	260.48	249.00 S	248.80 W	11.70
SSMH #76	4'	231.04	235.52 SE	235.32 NW	5.99
SSMH #77	4'	236.45	231.63 SE	231.43 NE	5.01





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

**LEGEND:**

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

LIMITS OF DISTURBANCE OFF-SITE WATER MAIN: 3.47 AC  
LIMITS OF DISTURBANCE OFF-SITE MITCHELL MILL RD IMPROVEMENTS: 0.89 AC  
LIMITS OF DISTURBANCE OFF-SITE JONESVILLE RD IMPROVEMENTS: 0.49 AC  
LIMITS OF DISTURBANCE OFF-SITE GRO PEG ROAD IMPROVEMENTS: 0.18 AC

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-24-03

NOT FOR  
CONSTRUCTION

SCALE  
AS SHOWN

DESIGNED BY  
SRG

DRAWN BY  
SRG

CHECKED BY  
SRG

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

DRAWING  
SHEET

C-8.11

46 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

01 TOWN OF ROLESVILLE CID-24-04 V2  
02 TOWN OF ROLESVILLE CID-24-04 V3  
03 TOWN OF ROLESVILLE CID-24-04 V4  
04 TOWN OF ROLESVILLE CID-24-04 V5

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SEAL:

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REVISIONS

BY



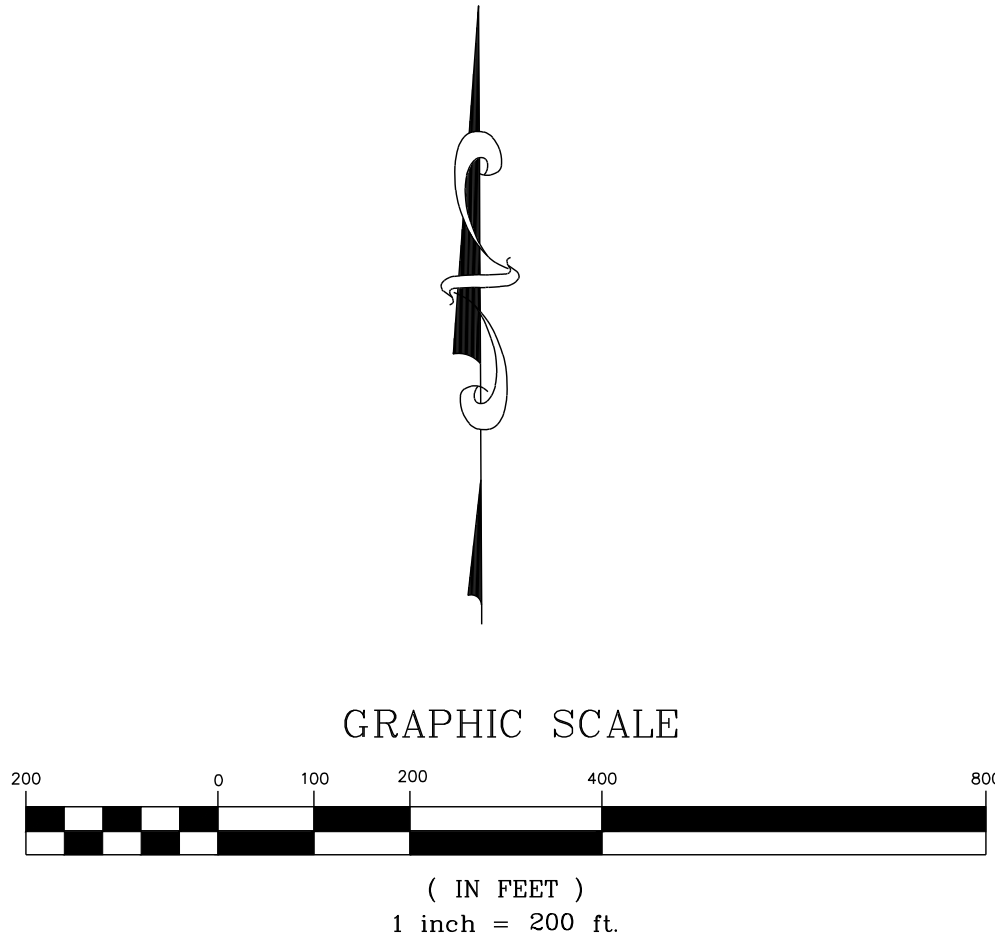


**NOTES:**  
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

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

**LEGEND:**

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



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.

CONSTRUCTION INFRASTRUCTURE DRAWINGS		DATE	BY
01	CID-24-04	08/04/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2024	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
05	TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG
REVISIONS		DATE	BY
No.			

**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	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	SRG	DRAWN BY	SRG	CHECKED BY	SRG
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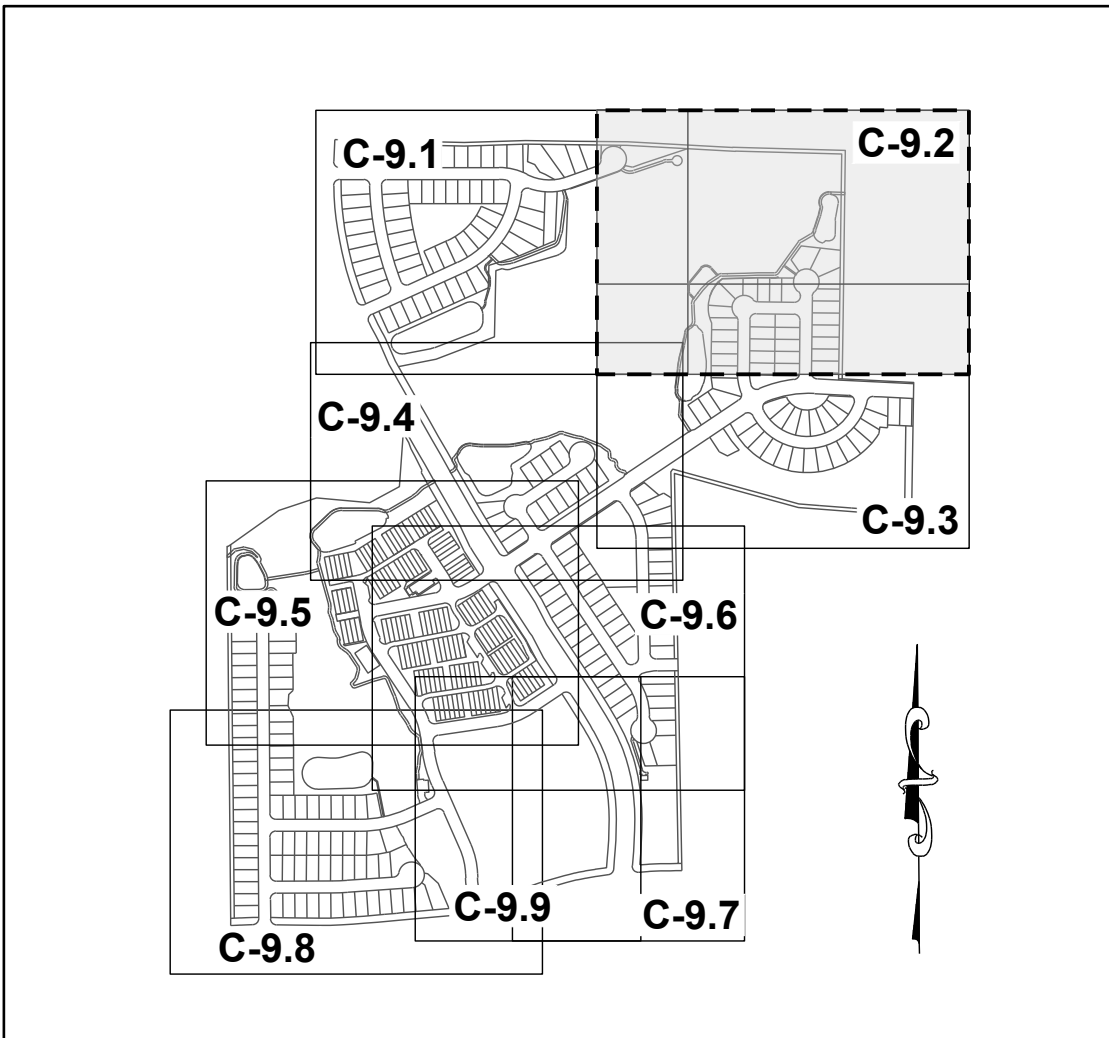
RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
OVERALL GRADING AND DRAINAGE PLAN

DRAWING SHEET  
C-9.0



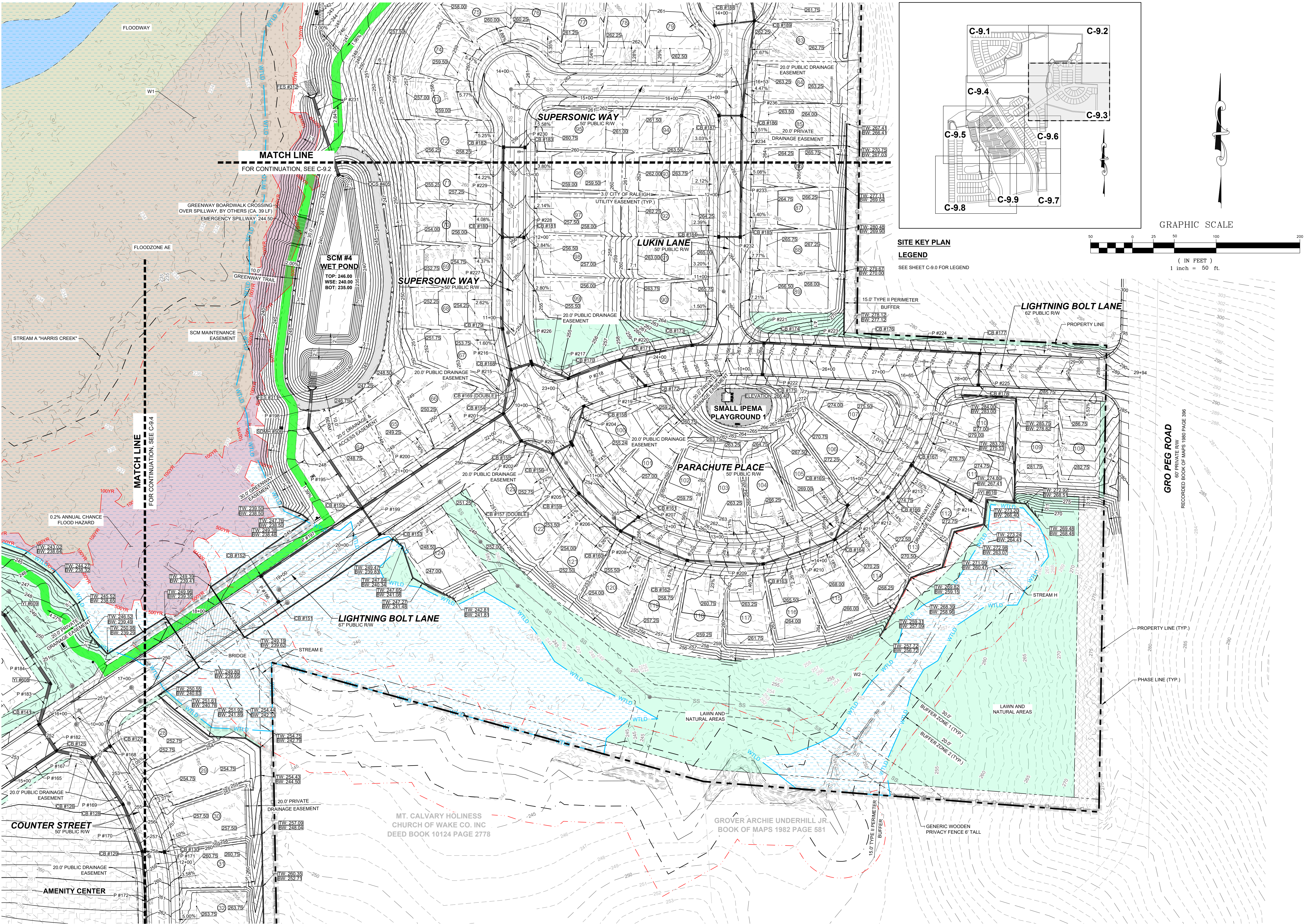






( IN FEET )  
1 inch = 50 ft.







TOWNHOME NOTES:

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

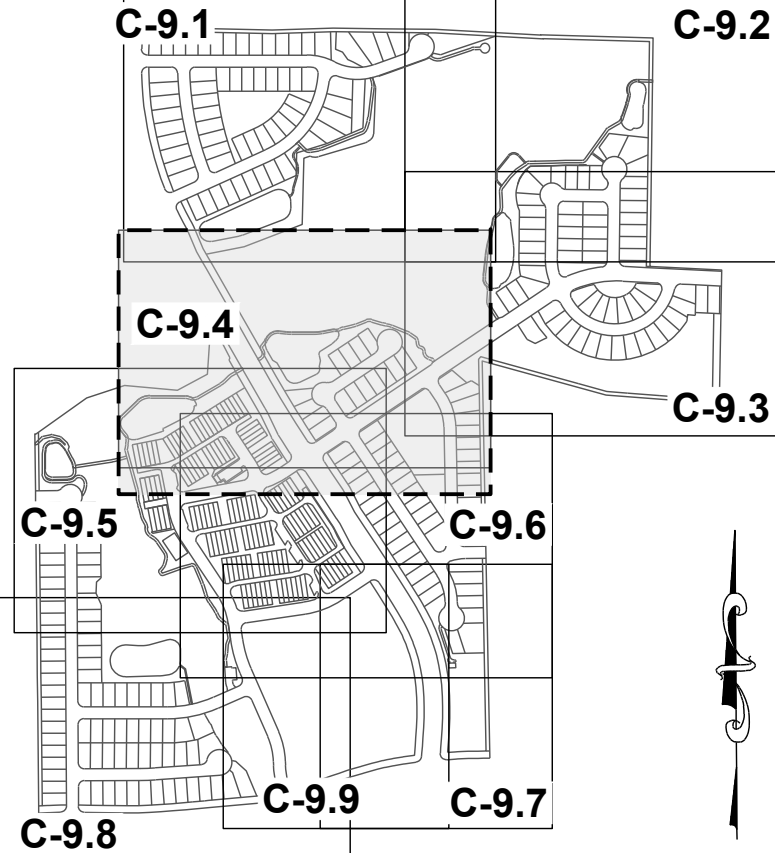
MATCH LINE

FOR CONTINUATION, SEE C-9.1

GRAPHIC SCALE



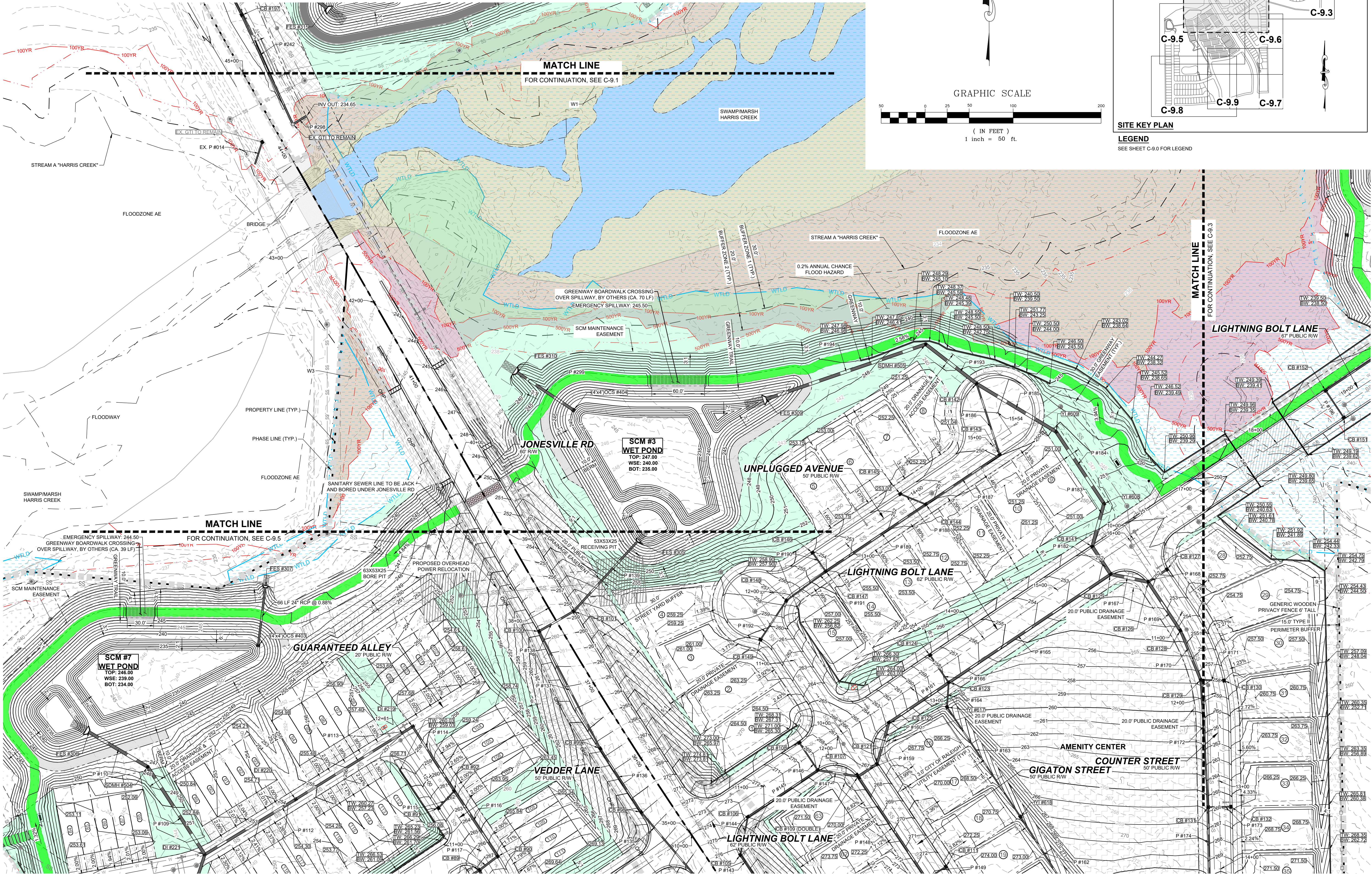
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1 inch = 50 ft.



SITE KEY PLAN

LEGEND

SEE SHEET C-9.0 FOR LEGEND



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

STRONG ROCK PROJECT	SRG
PSP-24-03	SRG
NOT FOR CONSTRUCTION	SRG
SCALE AS SHOWN	SRG
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

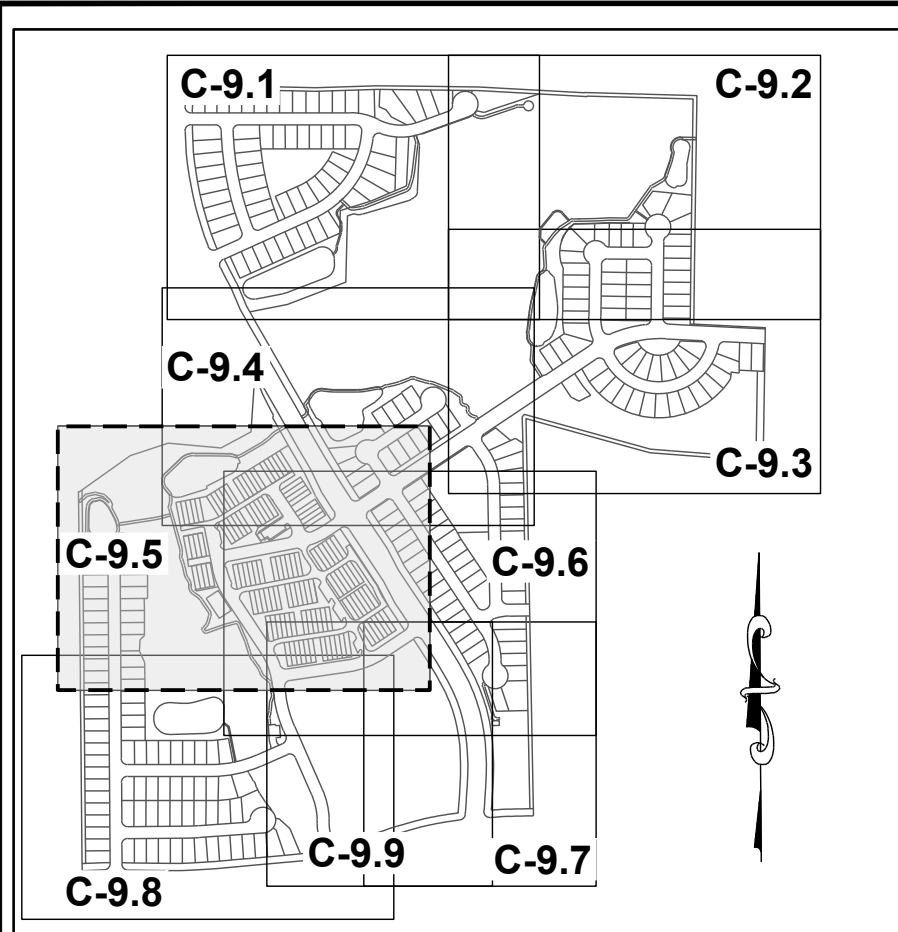
RESERVE @ MITCHELL MILL  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL GRADING AND DRAINAGE PLAN IV

DRAWING SHEET

C-9.4

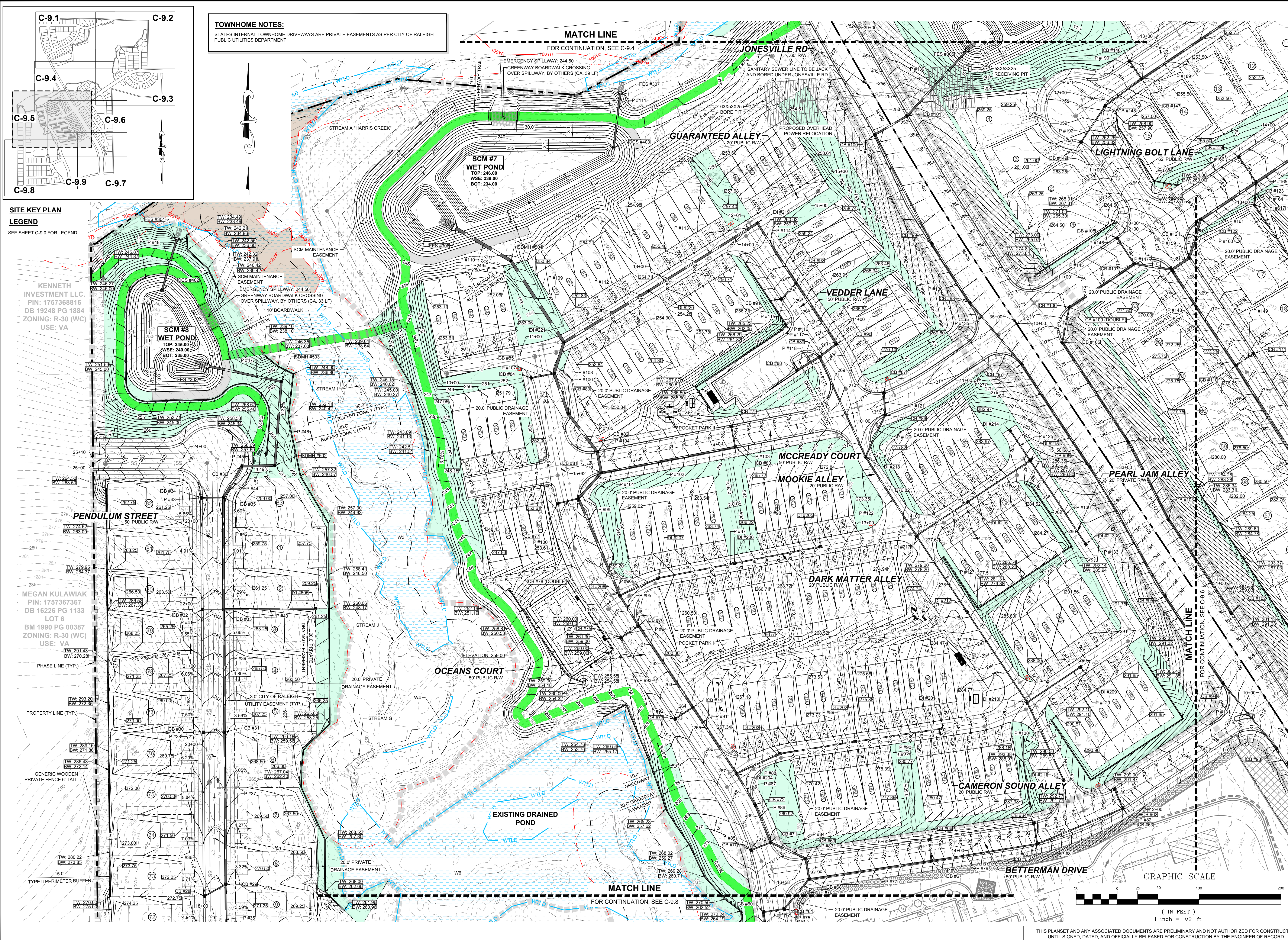
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**TOWNHOME NOTES:**  
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT

**SITE KEY PLAN**  
**LEGEND**  
SEE SHEET C-9.0 FOR LEGEND



STRONGROCK

ENGINEERING GROUP

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

PARTIAL GRADING AND DRAINAGE PLAN V

DRAWING SHEET

C-9.5

52 OF 230

SEAL:

CONSTRUCTION INFRASTRUCTURE DRAWINGS

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

**SITE KEY PLAN**  
**LEGEND**  
SEE SHEET C-9.0 FOR LEGEND

**GRAPHIC SCALE**  
( IN FEET )  
1 inch = 50 ft.

**MATCH LINE**  
FOR CONTINUATION, SEE C-9.7

**CRICKET PITCH**

GENERIC WOODEN PRIVATE FENCE 6' TALL  
15.0' TYPE II PERIMETER BUFFER  
PROPERTY LINE (TYP.)  
PHASE LINE (TYP.)  
30.0' STREET YARD BUFFER

**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	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY
PSP-24-03			SRG	SRG	SRG

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

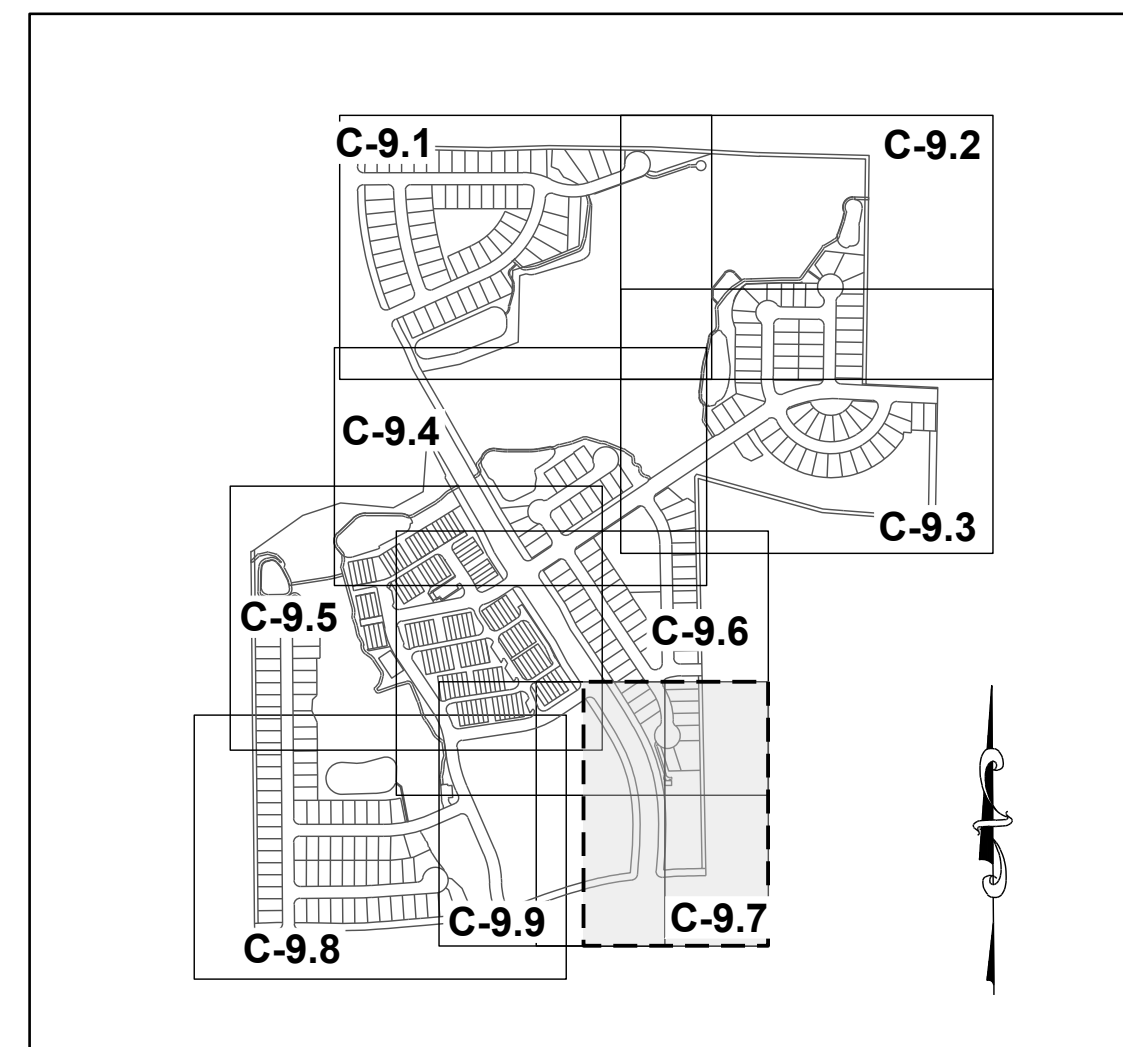
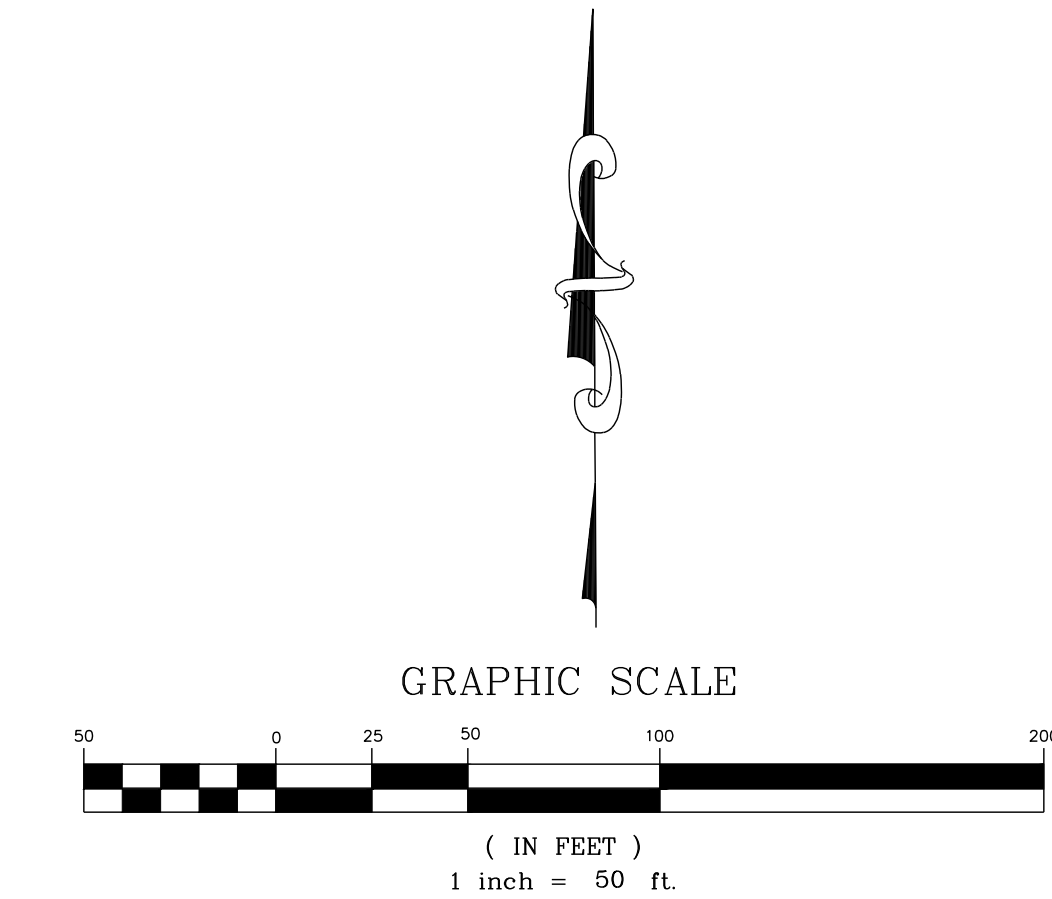
DRAWING SHEET  
C-9.6

53 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS		REVISIONS		BY
01	02	No.	DATE	
01	02			
03	04			
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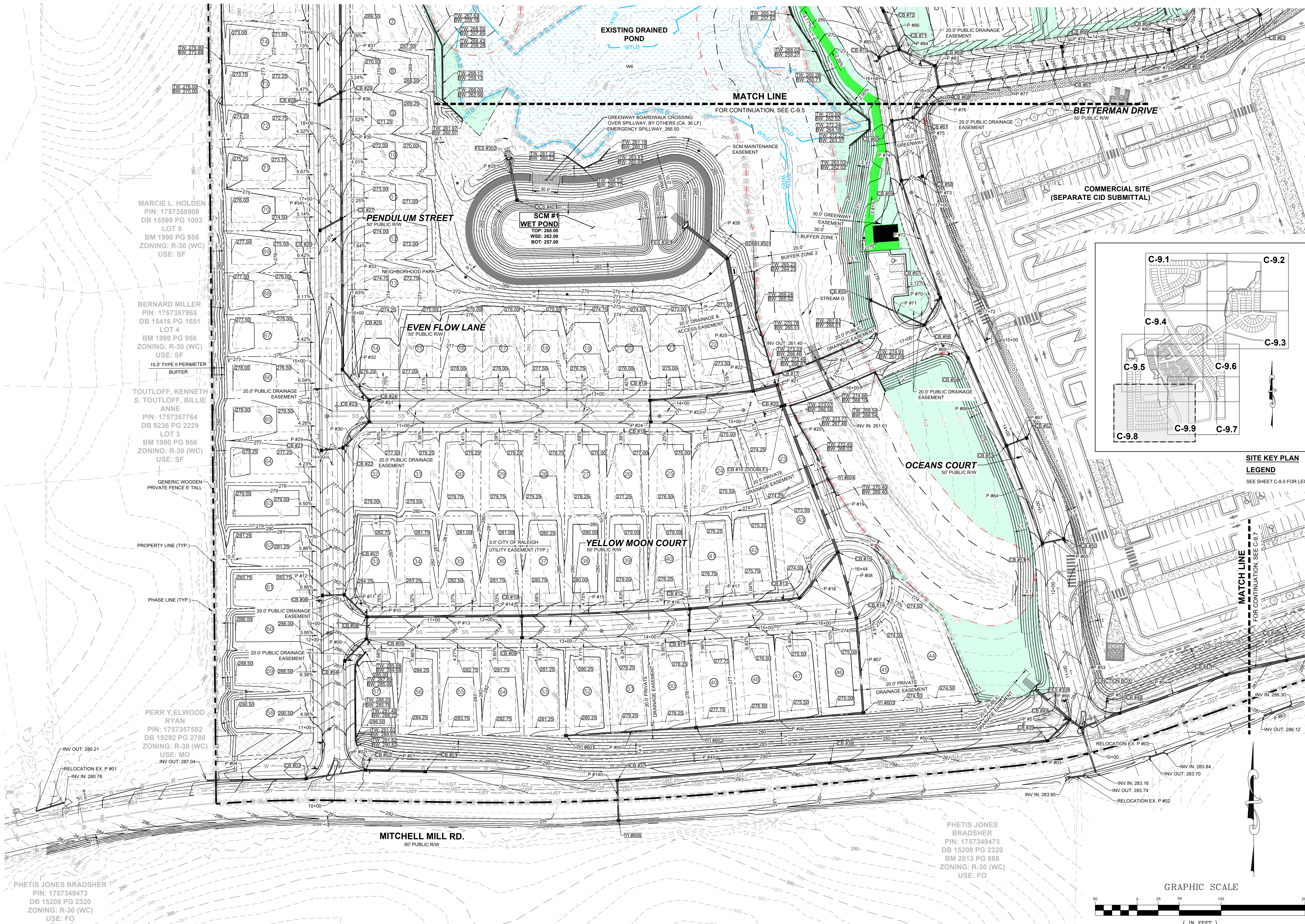
08/04/2024	SRG			
11/01/2024	SRG			
02/01/2024	SRG			
09/02/2025	SRG			
09/02/2025	SRG			





<b>54 OF 230</b>	<b>C-9.7</b>	DRAWING SHEET	RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  CONSTRUCTION PLANS  PARTIAL GRADING AND DRAINAGE PLAN VII	STRONG ROCK PROJECT PSP-23-03  NOT FOR CONSTRUCTION  SCALE AS SHOWN  DESIGNED BY SRG DRAWN BY SRG CHECKED BY SRG	<div> </div> <b>STRONGROCK</b> ENGINEERING GROUP  STRONG ROCK ENGINEERING GROUP, PLLC   COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27603   INFORMATION@STRONGROCKGROUP.COM	SEAL:	01 CONSTRUCTION INFRASTRUCTURE DRAWINGS CIP-24-04 SRGS 06/04/2024 02 TOWN OF ROLESVILLE CIP-24-04 V2 SRGS 11/01/2024 03 TOWN OF ROLESVILLE CIP-24-04 V3 SRGS 02/01/2024 04 TOWN OF ROLESVILLE CIP-24-04 V4 SRGS 06/02/2025 05 TOWN OF ROLESVILLE CIP-24-04 V5 SRGS 08/02/2025	No. REVISIONS DATE BY
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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

GENERIC WOODEN  
PRIVATE FENCE 6' TALL

PROPERTY LINE (TYP.)

PHASE LINE (TYP.)

PERR Y.ELWOOD  
RYAN  
PIN: 1757357582  
DB 19292 PG 2780  
ZONING: R-30 (WC)  
USE: MO  
INV OUT: 287.04

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

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

STRONGROCK

ENGINEERING GROUP

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

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

DRAWING SHEET  
C-9.8

55 OF 230

CONSTRUCTION INFRASTRUCTURE DRAWINGS		REVISIONS		BY	
NO.	DESCRIPTION	NO.	DESCRIPTION	DATE	BY
01	TOWN OF ROLESVILLE CID-24-04 V2				
02	TOWN OF ROLESVILLE CID-24-04 V3				
03	TOWN OF ROLESVILLE CID-24-04 V4				
04	TOWN OF ROLESVILLE CID-24-04 V5				

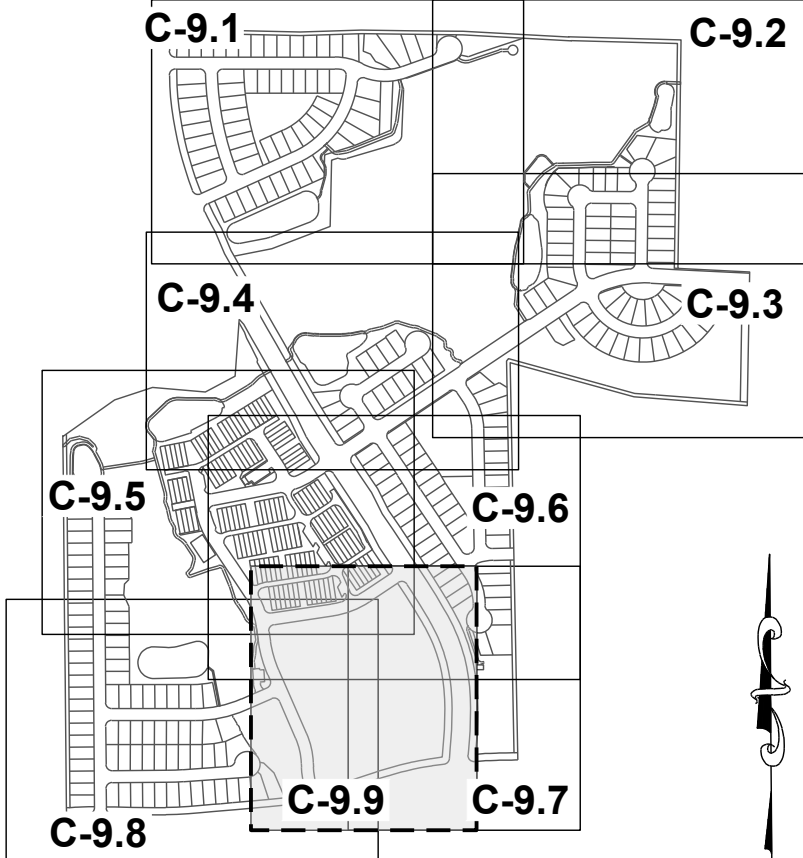
SEAL:

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





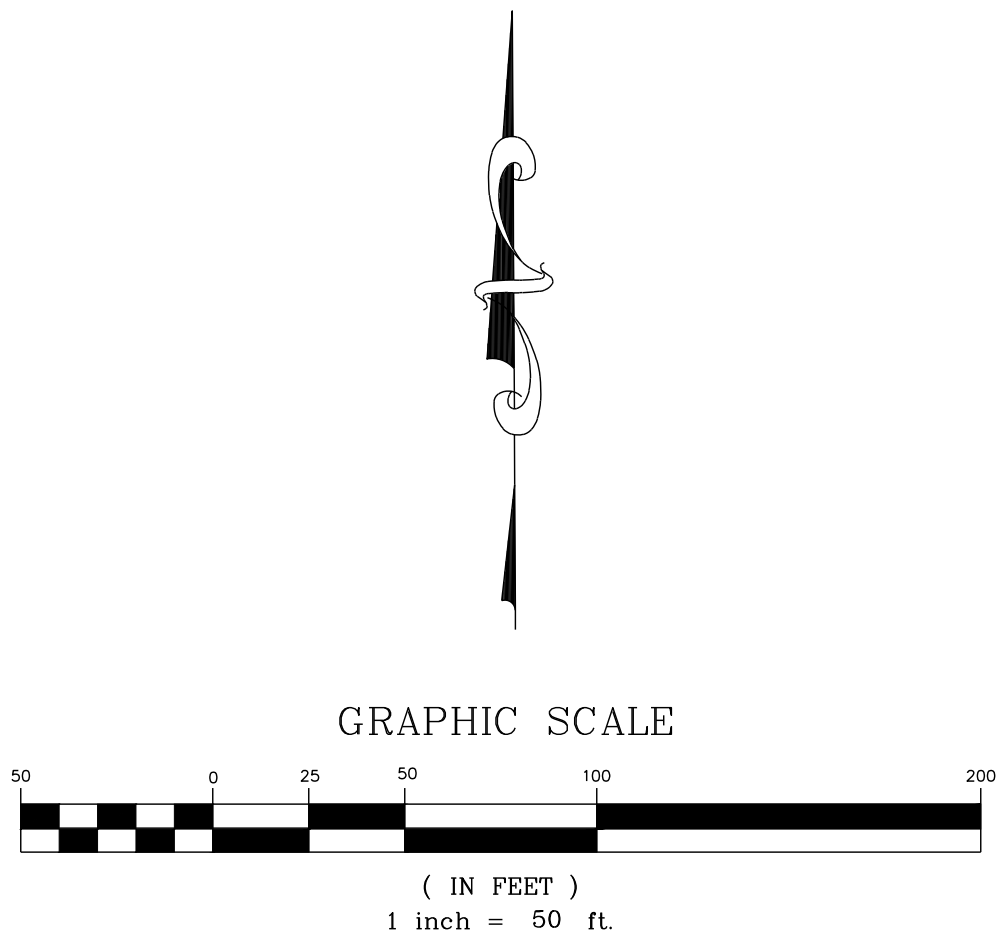
**TOWNHOME NOTES:**  
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



**SITE KEY PLAN**

**LEGEND**

SEE SHEET C-9.0 FOR LEGEND



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

CONSTRUCTION INFRASTRUCTURE DRAWINGS		DATE	BY
01	CID-24-04	08/04/2024	SRG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/07/2024	SRG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/07/2025	SRG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SRG
05	TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SRG
REVISIONS			
No.			

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-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	SRG	SRG	SRG
			DESIGNED BY	DRAWN BY	CHECKED BY

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

DRAWING  
SHEET  
**C-9.9**



PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	CLASS IV RCP	15"	71	288.76	288.40	0.50%
P #02	CLASS IV RCP	15"	71	288.20	287.84	0.50%
P #03	RCP	18"	57	283.16	280.17	5.26%
P #04	CLASS IV RCP	15"	119	287.64	287.04	0.50%
P #05	RCP	15"	155	275.73	272.77	1.91%
P #06	RCP	18"	200	272.57	268.64	1.97%
P #07	RCP	24"	113	268.44	267.87	0.50%
P #08	RCP	30"	82	267.22	266.10	1.37%
P #09	RCP	15"	37	281.91	279.46	6.89%
P #10	RCP	15"	26	279.26	278.73	2.00%
P #11	RCP	15"	38	277.84	277.65	0.50%
P #12	RCP	15"	26	278.17	278.04	0.50%
P #13	RCP	18"	185	277.45	275.51	1.05%
P #14	RCP	15"	26	274.85	274.57	1.06%
P #15	RCP	18"	200	274.37	271.08	1.64%
P #16	RCP	15"	26	271.97	271.85	0.50%
P #17	RCP	18"	131	270.88	268.11	2.11%
P #18	RCP	24"	71	267.91	266.10	2.55%
P #19	RCP	36"	85	265.90	265.48	0.50%
P #20	RCP	36"	102	265.28	264.62	0.65%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #121	RCP	18"	27	267.25	267.11	0.50%
P #122	RCP	18"	115	270.89	266.51	3.81%
P #123	RCP	15"	75	274.18	271.34	3.78%
P #124	RCP	15"	91	278.38	274.38	4.38%
P #125	RCP	15"	44	278.80	278.58	0.50%
P #126	RCP	15"	123	286.06	278.58	6.09%
P #127	RCP	15"	112	275.28	271.09	3.73%
P #128	RCP	15"	132	283.15	275.48	5.80%
P #129	RCP	15"	78	285.35	283.35	2.56%
P #130	RCP	15"	105	290.26	283.75	6.22%
P #131	RCP	15"	103	309.08	302.38	6.50%
P #132	RCP	15"	128	302.18	293.68	6.66%
P #133	RCP	15"	183	293.48	280.02	7.35%
P #134	RCP	15"	150	279.82	270.99	5.87%
P #135	RCP	18"	98	270.79	265.64	5.27%
P #136	RCP	18"	86	265.44	261.07	5.10%
P #137	RCP	18"	150	260.87	253.30	5.03%
P #138	RCP	24"	45	251.91	249.10	6.23%
P #139	RCP	24"	107	247.75	240.00	7.23%
P #140	CLASS IV RCP	18"	48	286.22	285.37	1.78%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #241	RCP	18"	55	246.50	241.24	9.52%
P #242	CLASS IV RCP	24"	137	235.68	235.00	0.50%
P #243	CLASS IV RCP	18"	75	236.26	235.88	0.50%
P #244	CLASS IV RCP	18"	92	236.92	236.46	0.50%
P #245	CLASS IV RCP	18"	37	237.30	237.12	0.50%
P #246	CLASS IV RCP	15"	146	239.72	237.50	1.51%
P #247	RCP	15"	82	241.86	239.92	2.36%
P #248	RCP	15"	77	244.55	242.06	3.24%
P #249	RCP	15"	31	262.22	261.63	1.90%
P #250	RCP	15"	82	261.43	257.68	4.58%
P #251	RCP	15"	40	257.48	255.43	5.09%
P #252	RCP	15"	27	255.23	254.86	1.36%
P #253	RCP	18"	106	254.61	254.08	0.50%
P #254	RCP	18"	54	253.88	253.34	1.00%
P #255	RCP	18"	28	255.15	254.88	1.00%
P #256	RCP	18"	51	256.42	255.35	2.10%
P #257	RCP	15"	28	256.13	255.99	0.50%
P #258	RCP	15"	26	256.83	256.70	0.50%
P #259	RCP	24"	150	252.68	247.99	3.12%
P #260	RCP	15"	26	248.84	248.59	1.00%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #21	RCP	36"	26	264.42	264.29	0.50%
P #22	RCP	36"	29	264.09	263.94	0.50%
P #23	RCP	18"	123	270.56	264.74	4.72%
P #24	RCP	15"	26	270.89	270.76	0.50%
P #25	RCP	36"	161	263.74	262.67	0.67%
P #26	RCP	36"	61	262.47	262.00	0.77%
P #27	RCP	36"	42	261.61	261.40	0.50%
P #28	RCP	24"	49	262.00	261.54	0.94%
P #29	RCP	15"	26	271.15	271.02	0.50%
P #30	RCP	18"	44	270.82	270.57	0.57%
P #31	RCP	18"	26	270.37	270.24	0.50%
P #32	RCP	18"	48	270.04	269.80	0.50%
P #33	RCP	18"	180	269.60	268.45	0.64%
P #34	RCP	18"	29	268.87	268.65	0.76%
P #35	RCP	18"	151	268.25	265.36	1.93%
P #36	RCP	15"	29	265.80	264.65	3.92%
P #37	RCP	24"	186	264.45	262.56	1.02%
P #38	RCP	15"	26	263.37	263.24	0.50%
P #39	RCP	24"	150	262.36	256.00	4.24%
P #40	RCP	24"	112	254.76	254.20	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #141	RCP	15"	137	298.95	288.52	7.59%
P #142	RCP	15"	108	288.14	280.61	6.98%
P #143	RCP	15"	145	280.41	271.94	5.85%
P #144	RCP	15"	44	271.74	268.46	7.45%
P #145	RCP	18"	96	268.00	264.36	3.80%
P #146	RCP	15"	38	264.46	264.27	0.50%
P #147	RCP	24"	46	263.58	262.28	2.81%
P #148	RCP	24"	140	267.34	261.65	4.05%
P #149	RCP	15"	26	268.37	268.24	0.50%
P #150	RCP	24"	149	273.94	267.59	4.25%
P #151	RCP	18"	26	274.52	274.39	0.50%
P #152	RCP	18"	150	280.82	274.48	4.22%
P #153	RCP	15"	26	281.15	281.02	0.50%
P #154	RCP	15"	99	285.16	281.14	4.05%
P #155	RCP	15"	115	289.86	285.36	3.90%
P #156	RCP	15"	26	290.19	290.06	0.50%
P #157	RCP	15"	106	294.78	290.19	4.34%
P #158	RCP	15"	26	295.22	295.07	0.59%
P #159	RCP	30"	26	261.45	261.03	1.63%
P #160	RCP	30"	49	260.77	256.72	8.26%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #41	RCP	18"	26	254.73	254.50	0.92%
P #42	RCP	30"	136	254.00	253.32	0.50%
P #43	RCP	15"	26	254.92	254.72	0.77%
P #44	RCP	30"	45	253.12	251.04	4.66%
P #45	RCP	30"	40	250.84	248.04	7.00%
P #46	RCP	30"	103	247.84	240.65	7.00%
P #47	RCP	30"	90	240.45	240.00	0.50%
P #48	RCP	24"	63	237.00	234.19	4.44%
P #49	CLASS IV RCP	18"	254	285.17	283.85	0.52%
P #50	CLASS IV RCP	18"	261	283.65	280.35	1.26%
P #51	CLASS IV RCP	18"	37	280.15	279.17	2.68%
P #52	CLASS IV RCP	24"	49	279.60	279.36	0.50%
P #53	CLASS IV RCP	24"	17	279.16	278.74	2.48%
P #54	CLASS IV RCP	24"	135	280.48	279.80	0.50%
P #55	CLASS IV RCP	24"	74	281.92	280.68	1.68%
P #56	CLASS IV RCP	24"	149	284.32	282.12	1.47%
P #57	CLASS IV RCP	24"	169	286.75	284.52	1.32%
P #58	CLASS IV RCP	24"	47	287.98	286.95	2.20%
P #59	CLASS IV RCP	24"	62	291.58	289.73	2.98%
P #60	CLASS IV RCP	24"	35	289.53	289.24	0.83%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #161	RCP	30"	82	256.43	251.85	5.61%
P #162	RCP	18"	150	270.04	265.37	3.11%
P #163	RCP	15"	150	265.17	255.90	6.18%
P #164	RCP	15"	28	255.70	253.16	9.13%
P #165	RCP	30"	221	251.10	245.32	2.61%
P #166	RCP	15"	38	253.31	253.12	0.50%
P #167	CLASS IV RCP	42"	44	244.77	244.55	0.50%
P #168	CLASS IV RCP	24"	26	246.46	246.33	0.50%
P #169	CLASS IV RCP	36"	66	247.68	245.20	3.73%
P #170	RCP	30"	61	251.62	248.26	5.55%
P #171	RCP	15"	27	253.49	253.11	1.43%
P #172	RCP	18"	145	260.86	252.78	5.58%
P #173	RCP	15"	26	261.24	261.11	0.50%
P #174	RCP	15"	200	271.92	261.25	5.34%
P #175	RCP	15"	26	272.25	272.12	0.50%
P #176	RCP	15"	190	278.67	272.22	3.39%
P #177	RCP	15"	42	285.00	281.55	8.12%
P #178	RCP	15"	28	279.01	278.87	0.50%
P #179	RCP	15"	38	279.40	279.21	0.50%
P #180	RCP	15"	66	279.93	279.60	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #61	CLASS IV RCP	24"	49	289.04	288.79	0.50%
P #62	CLASS IV RCP	15"	209	300.69	288.18	5.99%
P #63	CLASS IV RCP	18"	36	286.30	286.12	0.50%
P #64	RCP	15"	124	275.19	273.13	1.66%
P #65	RCP	15"	26	275.52	275.39	0.50%
P #66	RCP	30"	54	278.54	278.27	0.50%
P #67	RCP	15"	26	273.34	273.21	0.50%
P #68	RCP	15"	114	272.93	271.79	1.00%
P #69	RCP	15"	79	271.59	269.00	3.27%
P #70	RCP	15"	38	270.47	270.29	0.50%
P #71	RCP	15"	70	271.03	270.67	0.50%
P #72	RCP	15"	147	268.80	268.07	0.50%
P #73	RCP	15"	26	270.09	269.57	2.01%
P #74	RCP	15"	72	267.87	266.72	1.58%
P #75	RCP	15"	26	266.52	266.39	0.50%
P #76	RCP	18"	48	266.19	265.96	0.50%
P #77	RCP	15"	151	275.28	266.54	5.80%
P #78	RCP	15"	26	276.32	276.20	0.50%
P #79	RCP	15"	131	286.62	275.95	8.14%
P #80	RCP	15"	26	287.13	286.98	0.58%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #181	RCP	15"	26	280.26	280.13	0.50%
P #182	RCP	42"	38	244.35	244.16	0.50%
P #183	RCP	42"	50	243.70	243.18	1.02%
P #184	RCP	42"	98	242.98	242.49	0.50%
P #185	RCP	42"	106	242.29	241.76	0.50%
P #186	RCP	18"	85	244.83	243.70	1.33%
P #187	RCP	18"	101	245.73	245.03	0.70%
P #188	RCP	15"	31	246.99	246.70	0.91%
P #189	RCP	18"	137	248.03	245.93	1.53%
P #190	RCP	15"	26	249.59	249.46	0.50%
P #191	RCP	15"	56	252.55	248.23	7.76%
P #192	RCP	15"	53	255.95	252.75	6.02%
P #193	RCP	42"	73	241.56	241.16	0.56%
P #194	RCP	42"	191	240.96	240.00	0.50%
P #195	RCP	36"	115	241.34	240.43	0.79%
P #196	RCP	15"	37	243.64	243.45	0.50%
P #197	RCP	18"	145	243.25	242.52	0.50%
P #198	RCP	36"	46	240.23	240.00	0.50%
P #199	RCP	18"	38	244.04	243.84	0.54%
P #200	RCP	30"	203	244.97	241.54	1.69%



CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	292.07		288.76 W
CB #02	2' X 3'	292.06	288.40 E	288.20 W
CB #03	2' X 3'	290.71	287.84 E	287.64 W
CB #04	2' X 3'	286.39		281.91 NE
CB #05	2' X 3'	284.00	279.46 SW	279.26 N
CB #06	2' X 3'	282.61		278.17 E
CB #07	2' X 3'	282.48	278.04 W	277.84 SE
CB #08	2' X 3'	283.59	277.65 NW 278.73 S	277.45 E
CB #09	2' X 3'	280.22		274.85 N
CB #10	2' X 3'	280.22	274.57 S 275.51 W	274.37 E
CB #11	2' X 3'	276.41		271.97 N
CB #12	2' X 3'	276.36	271.85 S 271.08 W	270.88 E
CB #13	2' X 3'	273.56	268.11 W	267.91 NE
CB #14	2' X 3'	273.41	267.87 S	267.22 N
CB #15	2' X 3'	272.35	266.10 SW 266.10 S	265.90 N
CB #16 (DOUBLE)	2' X 3'	273.08	264.62 S	264.42 N
CB #17	2' X 3'	273.07	264.29 S	264.09 W
CB #18	2' X 3'	275.32		270.89 N
CB #19	2' X 3'	275.34	270.76 S	270.56 E
CB #20	2' X 3'	273.19	264.74 W 263.94 E	263.74 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #21	2' X 3'	275.81		271.15 E
CB #22	2' X 3'	275.77	271.02 W	270.82 NE
CB #23	2' X 3'	276.05	270.57 SW	270.37 N
CB #24	2' X 3'	275.86	270.24 S	270.04 NW
CB #25	2' X 3'	275.10	269.80 SE	269.60 N
CB #26	2' X 3'	273.58		268.87 NE
CB #27	2' X 3'	273.36	268.45 S 268.65 SW	268.25 N
CB #28	2' X 3'	271.12		265.80 NE
CB #29	2' X 3'	270.88	265.36 S 264.65 SW	264.45 N
CB #30	2' X 3'	267.81		263.37 E
CB #31	2' X 3'	267.81	262.56 S 263.24 W	262.36 N
CB #32	2' X 3'	262.50		254.73 E
CB #33	2' X 3'	262.50	256.00 S 254.50 W 254.20 E	254.00 N
CB #34	2' X 3'	260.48		254.92 E
CB #35	2' X 3'	259.87	253.32 S 254.72 W	253.12 NE
CB #36	2' X 3'	259.69	251.04 SW	250.84 E
CB #37	2' X 3'	290.08	285.37 S	285.17 E
CB #38	2' X 3'	288.98	283.85 W	283.65 E
CB #39	2' X 3'	285.22	280.35 W	280.15 NE
CB #40	2' X 3'	294.44	289.73 S	289.53 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #41	2' X 3'	293.89	289.24 SE	289.04 W
CB #42	2' X 3'	305.80		300.69 S
CB #43	2' X 3'	293.41	288.79 E 288.18 N	287.98 SW
CB #44	2' X 3'	292.33	286.95 NE	286.75 W
CB #45	2' X 3'	289.80	284.52 E	284.32 W
CB #46	2' X 3'	287.47	282.12 E	281.92 W
CB #47	2' X 3'	286.03	280.68 E	280.48 W
CB #48	2' X 3'	285.25	279.80 E	279.60 W
CB #49	2' X 3'	283.99	279.17 SW 278.74 SE	278.54 NW
CB #50	2' X 3'	279.95		275.52 W
CB #51	2' X 3'	279.97	275.39 E	275.19 N
CB #52	2' X 3'	277.77		273.34 W
CB #53	2' X 3'	277.77	273.13 S 273.21 E	272.93 NW
CB #54	2' X 3'	277.10	271.79 SE	271.59 NW
CB #55	2' X 3'	275.69		271.03 SE
CB #56	2' X 3'	275.98	270.67 NW	270.47 NE
CB #57	2' X 3'	276.48	270.29 SW 269.00 SE	268.80 N
CB #58	2' X 3'	274.75		270.09 W
CB #59	2' X 3'	274.77	269.57 E 268.07 S	267.87 N
CB #60	2' X 3'	272.51	266.72 S	266.52 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #61	2' X 3'	272.51	266.39 W	266.19 NE
CB #62	2' X 3'	300.29		295.85 SE
CB #63	2' X 3'	300.03	295.59 NW	294.91 W
CB #64	2' X 3'	291.57		287.13 S
CB #65	2' X 3'	291.42	286.82 E 286.98 N	286.62 W
CB #66	2' X 3'	280.76		276.32 S
CB #67	2' X 3'	280.66	276.20 N 275.95 E	275.28 W
CB #68	2' X 3'	272.04	265.96 SW 266.54 E	265.76 N
CB #69	2' X 3'	272.08	265.58 S	265.38 NW
CB #70	2' X 3'	270.01		265.57 E
CB #71	2' X 3'	270.14	264.84 SE 265.45 W	264.64 N
CB #72	2' X 3'	268.45	263.20 S	263.00 NW
CB #73	2' X 3'	264.03		259.59 NE
CB #74	2' X 3'	264.03	258.32 SE 258.68 SW	257.77 NW
CB #75	2' X 3'	259.88		255.44 NE
CB #76	2' X 3'	259.93	254.64 SW 254.31 SE	254.08 NW
CB #77	2' X 3'	253.58		249.04 E
CB #78 (DOUBLE)	2' X 3'	253.46	246.91 SE 248.53 W	246.71 NE
CB #79	2' X 3'	263.54		259.11 S
CB #80	2' X 3'	263.54	258.98 N	258.78 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #81	2' X 3'	254.08	245.59 SW 247.89 E	245.39 N
CB #82	2' X 3'	254.08	244.98 S	244.78 NW
CB #83	2' X 3'	252.85	244.48 SE	244.28 N
CB #84	2' X 3'	252.77		245.92 E
CB #85	2' X 3'	252.54	244.02 S 245.15 W	243.82 N
CB #86	2' X 3'	272.09	267.11 N	266.91 SW
CB #87	2' X 3'	271.96		267.25 S
CB #88	2' X 3'	264.85		259.53 NE
CB #89	2' X 3'	267.16	259.37 SW 261.37 SE	259.17 NE
CB #90	2' X 3'	267.10	259.04 SW	258.84 NW
CB #91	2' X 3'	261.95		257.04 NE
CB #92	2' X 3'	261.55	255.64 SE 255.96 SW	255.23 NW
CB #93	2' X 3'	313.77		309.08 NW
CB #94	2' X 3'	307.40	302.38 SE	302.18 NW
CB #95	2' X 3'	298.12	293.68 SE	293.48 NW
CB #96	2' X 3'	285.15	280.02 SE	279.82 NW
CB #97	2' X 3'	276.03	270.99 SE	270.79 NW
CB #98	2' X 3'	270.89	265.64 SE	265.44 NW
CB #99	2' X 3'	266.43	261.07 SE	260.87 NW
CB #100	2' X 3'	259.31	253.30 SE	251.91 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #101	2' X 3'	258.53	249.10 SW	247.75 NE
CB #102	2' X 3'	303.54		298.95 NW
CB #103	2' X 3'	293.11	288.52 SE	288.14 NW
CB #104	2' X 3'	285.05	280.61 SE	280.41 NW
CB #105	2' X 3'	276.48	271.94 SE	271.74 N
CB #106	2' X 3'	272.59	268.46 S	268.00 NE
CB #107	2' X 3'	268.91	264.27 NW 264.36 SW	263.58 E
CB #108	2' X 3'	268.90		264.46 SE
CB #109 (DOUBLE)	2' X 3'	266.95	261.65 SE 262.28 W	261.45 NE
CB #110	2' X 3'	272.84	268.24 NE 267.59 SE	267.34 NW
CB #111	2' X 3'	272.81		268.37 SW
CB #112	2' X 3'	279.22		274.52 SW
CB #113	2' X 3'	279.19	274.39 NE 274.48 SE	273.94 NW
CB #114	2' X 3'	285.58	281.14 SE 281.02 NE	280.82 NW
CB #115	2' X 3'	285.59		281.15 SW
CB #116	2' X 3'	289.79	285.36 SE	285.16 NW
CB #117	2' X 3'	294.72	290.06 NE 290.19 S	289.86 NW
CB #118	2' X 3'	294.61		290.19 SW
CB #119	2' X 3'	299.51	295.07 E	294.78 N
CB #120	2' X 3'	299.66		295.22 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #121	2' X 3'	266.95	261.03 SW	260.77 N
CB #122	2' X 3'	262.70		256.43 NE
CB #123	2' X 3'	257.73	251.85 SW 253.12 NW 253.16 S	251.10 NE
CB #124	2' X 3'	257.74		253.31 SE
CB #125	2' X 3'	251.66	244.55 E 245.32 SW	244.35 NW
CB #126	2' X 3'	251.74	246.33 NE 245.20 SE	244.77 W
CB #127	2' X 3'	251.73		246.46 SW
CB #128	2' X 3'	254.19	248.26 S	247.68 NW
CB #129	2' X 3'	257.55	252.78 S 253.11 E	251.62 N
CB #130	2' X 3'	257.93		253.49 W
CB #131	2' X 3'	265.68	261.11 E 261.25 S	260.86 N
CB #132	2' X 3'	265.68		261.24 W
CB #133	2' X 3'	276.69		272.25 W
CB #134	2' X 3'	276.66	272.12 E 272.22 S	271.92 N
CB #135	2' X 3'	287.10	278.87 E 281.55 S	278.67 N
CB #136	2' X 3'	290.32		285.00 N
CB #137	2' X 3'	287.34	279.21 SE	279.01 W
CB #138	2' X 3'	287.21	279.60 E	279.40 NW
CB #139	2' X 3'	284.70	280.13 S	279.93 W
CB #140	2' X 3'	284.70		280.26 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #141	2' X 3'	251.65	244.16 SE	243.70 N
CB #142	2' X 3'	248.73	241.76 SE 243.70 S	241.56 NW
CB #143	2' X 3'	249.91	245.03 SW	244.83 N
CB #144	2' X 3'	251.14	245.93 SW 246.70 W	245.73 NE
CB #145	2' X 3'	251.43		246.99 E
CB #146	2' X 3'	254.03		249.59 SE
CB #147	2' X 3'	254.00	248.23 SW 249.46 NW	248.03 NE
CB #148	2' X 3'	257.52	252.75 SW	252.55 NE
CB #149	2' X 3'	260.46		255.95 NE
CB #150	2' X 3'	248.75	241.54 NE 243.84 SE 242.52 SW	241.34 NW
CB #151	2' X 3'	248.07		243.64 NW
CB #152	2' X 3'	248.07	243.45 SE	243.25 NE
CB #153	2' X 3'	248.76		244.04 NW
CB #154	2' X 3'	251.32	245.17 SE 245.60 N	244.97 SW
CB #155	2' X 3'	251.35	246.08 E	245.56 NW
CB #156	2' X 3'	253.03	247.77 NE 247.00 SE	246.78 W
CB #157 (DOUBLE)	2' X 3'	253.02	248.22 N	248.02 SW
CB #158	2' X 3'	254.64		249.84 S
CB #159	2' X 3'	253.83	249.11 SE	248.91 NW
CB #160	2' X 3'	255.17	250.73 NE 250.42 SE	249.92 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #161	2' X 3'	255.43		250.99 SW
CB #162	2' X 3'	258.52	253.81 E	253.57 NW
CB #163	2' X 3'	263.28	258.84 E	258.57 W
CB #164	2' X 3'	268.05	263.61 N 263.61 NE	263.41 W
CB #165	2' X 3'	270.00		265.56 S
CB #166	2' X 3'	272.31	266.99 NE	266.79 SW
CB #167	2' X 3'	274.79	267.66 SE	267.46 SW
CB #168	2' X 3'	253.12	248.41 N 247.45 E	247.17 S
CB #169 (DOUBLE)	2' X 3'	253.11	247.78 SE	247.58 W
CB #170	2' X 3'	254.48	248.96 E	248.69 NW
CB #171	2' X 3'	257.21	252.77 SE 252.43 E	252.23 W
CB #172	2' X 3'	258.37		253.94 NW
CB #173	2' X 3'	262.54	257.81 E	257.54 W
CB #174	2' X 3'	269.03	264.40 S 264.33 E	264.10 W
CB #175	2' X 3'	269.03		264.59 N
CB #176	2' X 3'	277.04	272.33 E	272.13 W
CB #177	2' X 3'	283.28	278.66 S	278.46 W
CB #178	2' X 3'	283.28		278.85 N
CB #179	2' X 3'	253.84	249.03 N	248.83 S
CB #180	2' X 3'	255.81	251.25 E 251.37 N	250.94 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #181	2' X 3'	255.81		251.37 W
CB #182	2' X 3'	258.48	253.92 E	253.72 S
CB #183	2' X 3'	258.48		254.05 W
CB #184	2' X 3'	263.48		259.05 E
CB #185	2' X 3'	263.48	258.92 W	258.72 N
CB #186	2' X 3'	262.21	257.55 S 257.32 W	257.12 N
CB #187	2' X 3'	261.90		257.46 E
CB #188	2' X 3'	261.25		256.81 E
CB #189	2' X 3'	261.01	256.24 S 256.58 W	256.04 N

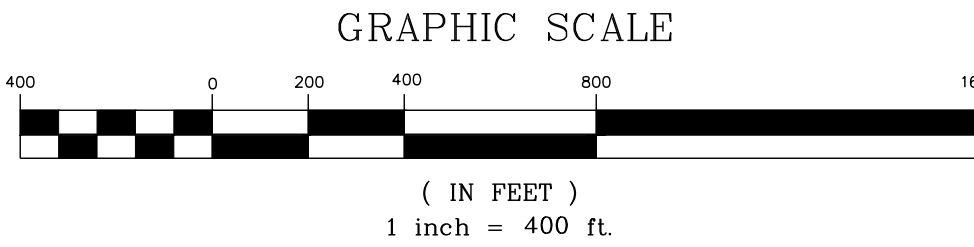
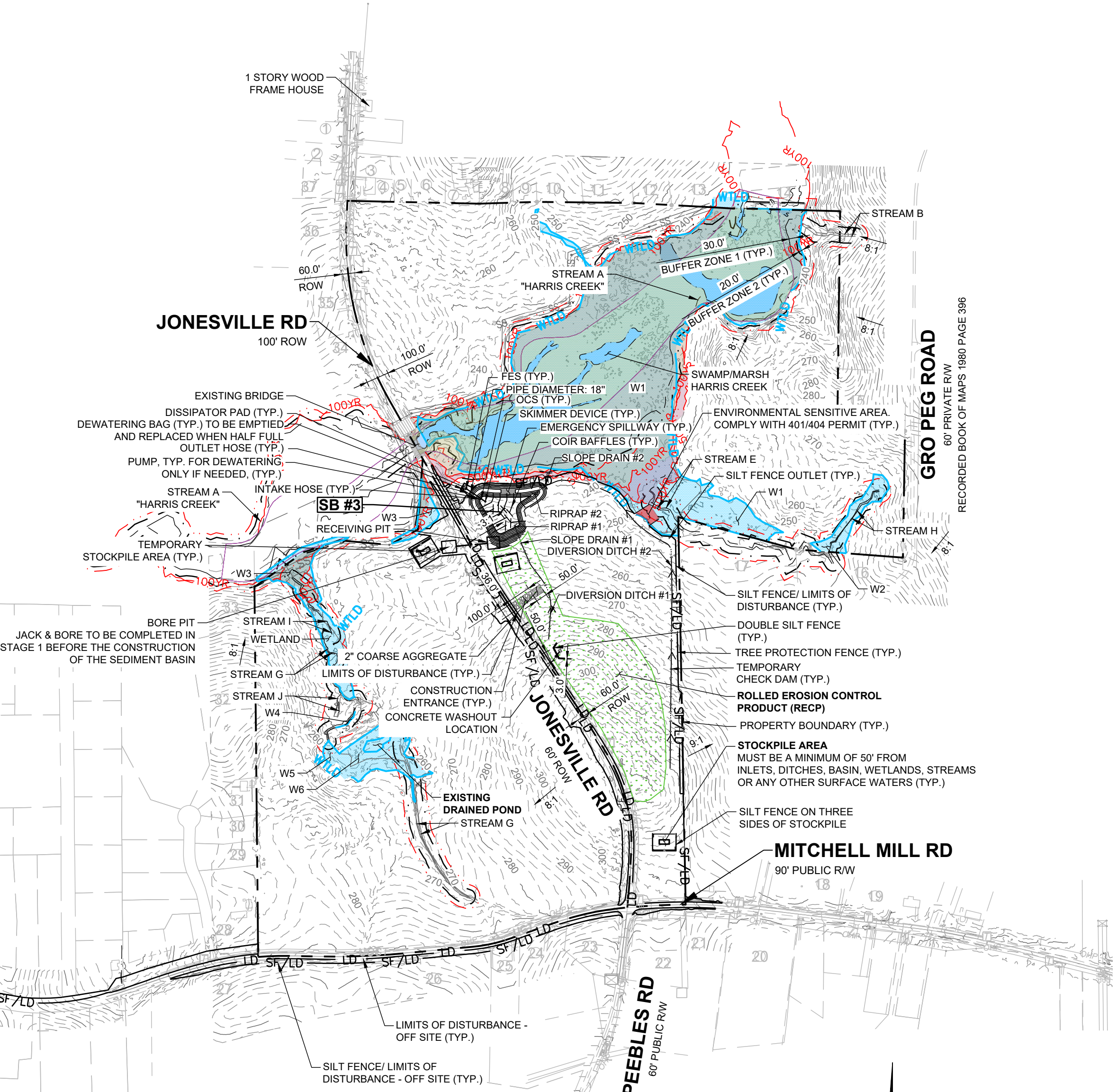






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1. PHASE 1, ACREAGE: 23.38 AC
2. EROSION CONTROL NOTES: SEE SHEET C-10.0.
3. ALL LAND-DISTURBING ACTIVITIES MUST BE PLANNED AND CONDUCTED TO LIMIT THE EXPOSED AREA TO 50 ROLLING ACRES.
4. STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.



**STRONGROCK**  
ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2168  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

**CONSTRUCTION PLANS**

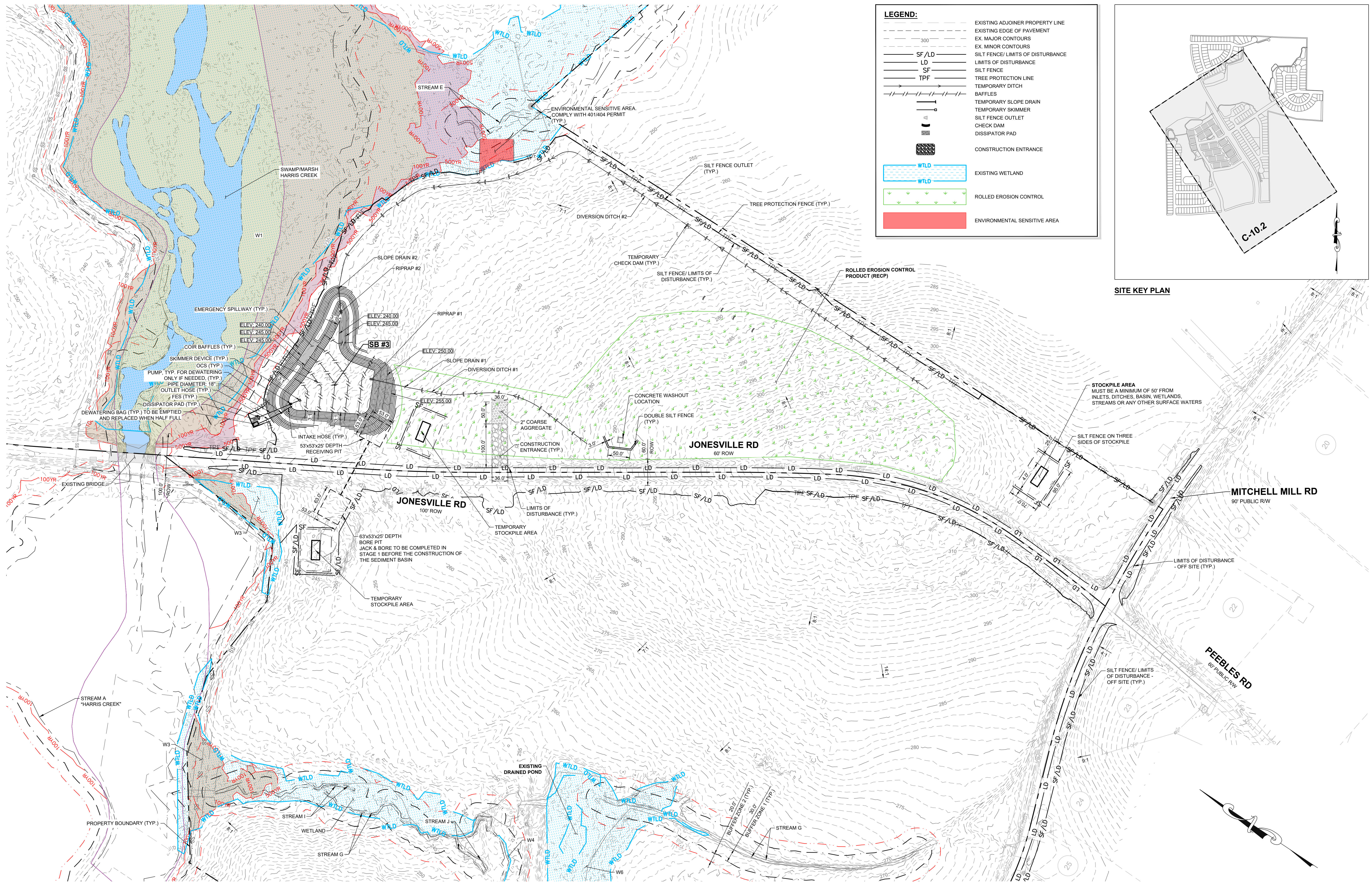
**EROSION CONTROL PLAN OVERALL**  
**PHASE 1 - STAGE 1**

DRAWING  
SHEET

## C-10.1

**60 OF 230**

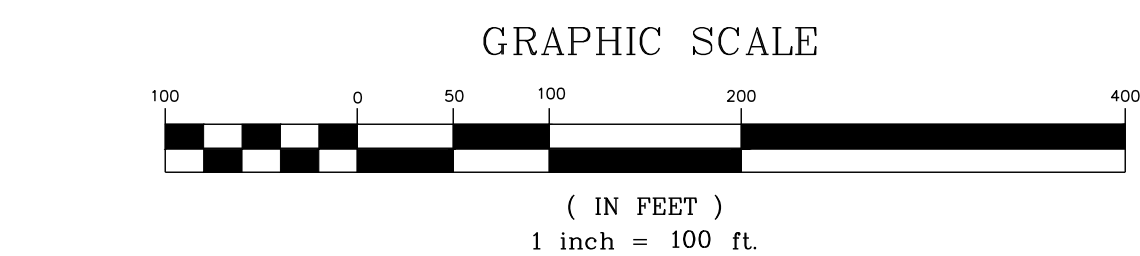




**NOTE:**

1. PHASE 1, ACREAGE: 23.38 AC
2. EROSION CONTROL NOTES: SEE SHEET C-10.0
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**RESERVE @ MITCHELL MILL**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**EROSION CONTROL PLAN**  
**PHASE 1 - STAGE 1**

## DRAWING SHEET

**C-10.2**

**61 OF 230**

**STRONGROCK**

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

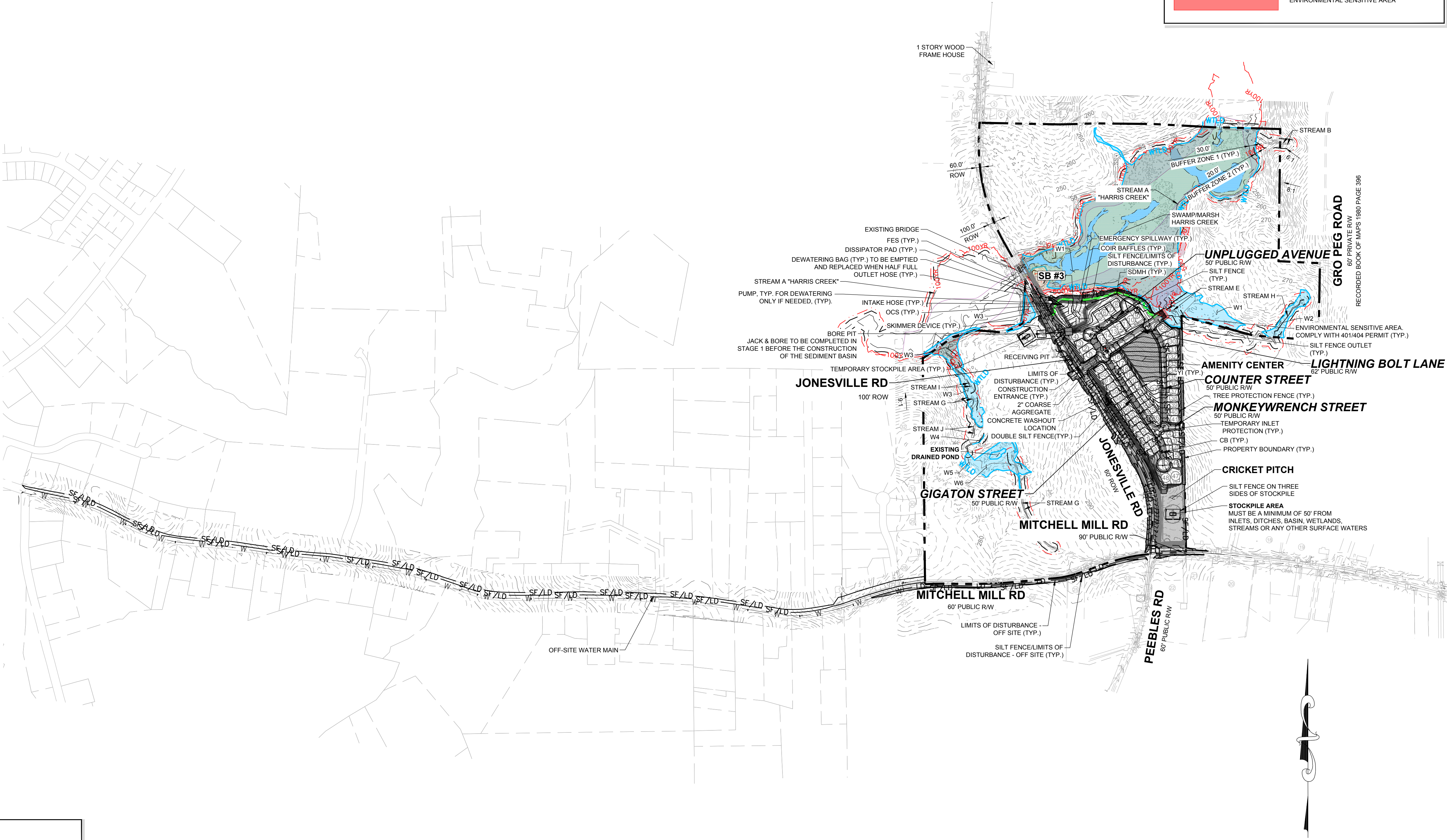
01	CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04	06/04/2024	SREG
02	TOWN OF ROLESVILLE CID-24-04 V2	11/01/2024	SREG
03	TOWN OF ROLESVILLE CID-24-04 V3	02/01/2024	SREG
04	TOWN OF ROLESVILLE CID-24-04 V4	08/02/2025	SREG
05	TOWN OF ROLESVILLE CID-24-04 V5	09/02/2025	SREG
No.	REVISIONS	DATE	BY



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 AND KYLA 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: 1757556301 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 1897 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 1986 PG 00524 ZONING: R-30 (WC) USE: SF	25	CURTIS L. HONEYCUTT AND WIFE TODD KENDALL PIN: 1757540996 DB 19209 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: 1757560764 DB 8467 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: 1757682714 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: 1757357665 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 1943 ZONING: R-30 (WC) USE: SF	31	MARCIE L. HOLDEN PIN: 1757589908 DB 15599 PG 1003 LOT 5 - BM 1990 PG 956 ZONING: R-30 (WC) USE: SF
13	JAMES K. WILLIAMS PIN: 1757688784 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: 1757664058 DB 19081 PG 2786 LOT 2A - BM 1982 PG 00581 ZONING: R-30 (WC) USE: VA	35	HENRY ALSTON PIN: 1757481376 DB 19248 PG 894 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 00867 ZONING: R-30 (WC) USE: CH
18	G. ARCHIE UNDERHILL, JR. AND WIFE, TERESSA C. UNDERHILL PIN: 1757653785 DB 8443 PG 2129 BM 1989 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		

NOTE:

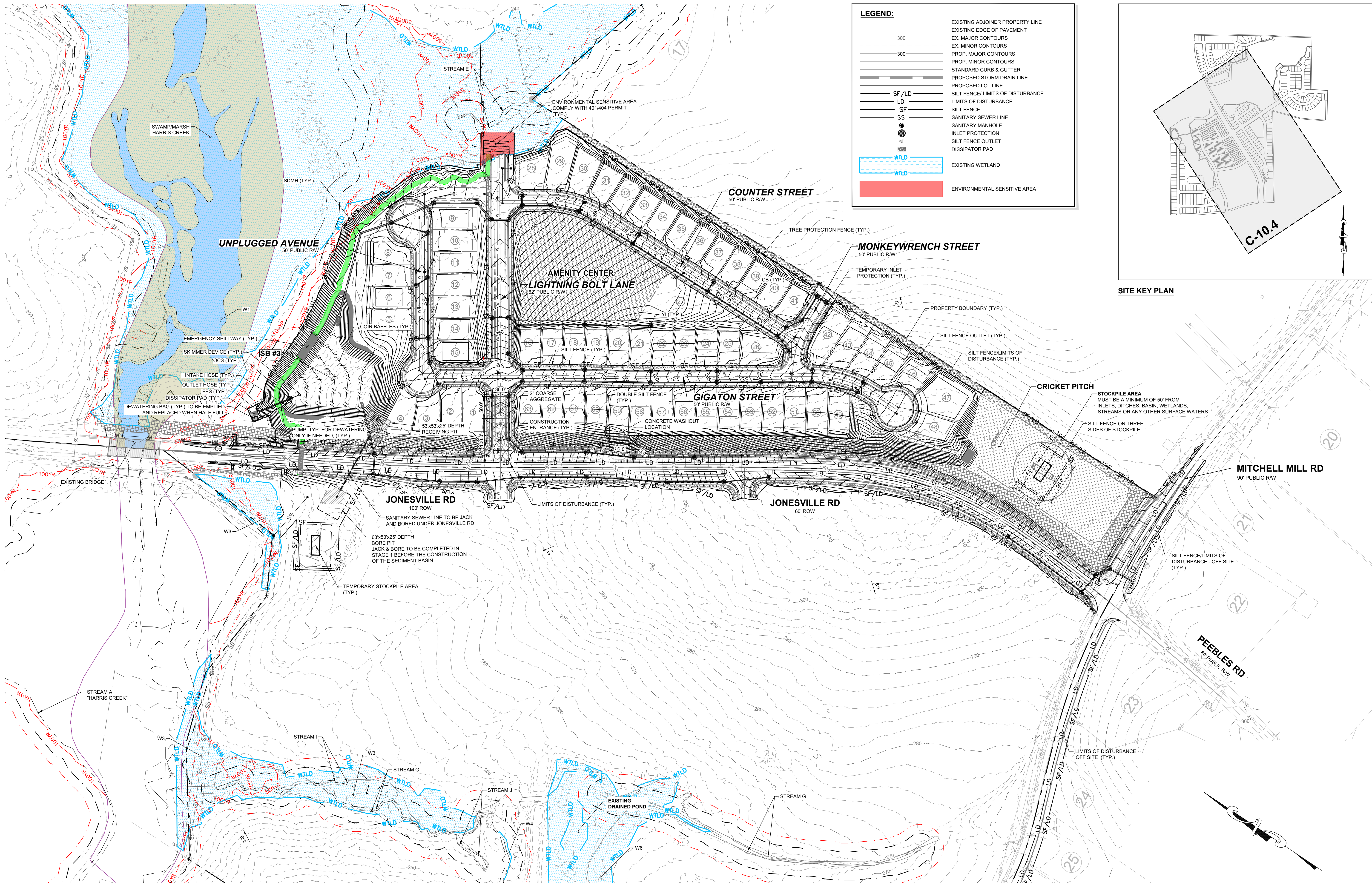
- PHASE 1, ACREAGE: 23.38 AC
- EROSION CONTROL NOTES: SEE SHEET C-10.0
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LEGEND:	
	EXISTING ADJOINER PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
	EX. MAJOR CONTOURS
	EX. MINOR CONTOURS
	PROP. MAJOR CONTOURS
	PROP. MINOR CONTOURS
	STANDARD CURB & GUTTER
	PROPOSED STORM DRAIN LINE
	PROPOSED LOT LINE
	SILT FENCE/LIMITS OF DISTURBANCE
	LIMITS OF DISTURBANCE
	SILT FENCE
	TREE PROTECTION LINE
	BAFFLES
	SANITARY SEWER LINE
	SANITARY MANHOLE
	TEMPORARY SKIMMER
	SILT FENCE OUTLET
	INLET PROTECTION
	DISSIPATOR PAD
	CONSTRUCTION ENTRANCE
	EXISTING WETLAND
	ENVIRONMENTAL SENSITIVE AREA

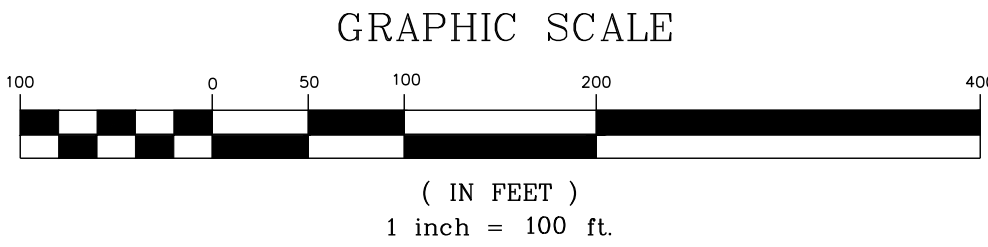
62 OF 230		C-10.3		DRAWING SHEET		RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS EROSION CONTROL PLAN OVERALL PHASE 1 - STAGE 2		STRONG ROCK PROJECT PSP-23-03 NOT FOR CONSTRUCTION SCALE AS SHOWN DESIGNED BY SRG DRAWN BY SRG CHECKED BY SRG		<div>STRONG ROCK</div> <div>ENGINEERING GROUP</div> <div>STRONG ROCK ENGINEERING GROUP, PLLC   COMPANY LICENSE # P-2166 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609   INFORMATION@STRONGROCKGROUP.COM</div>		SEAL:							
										01		CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-24-04		SRGEG		06/04/2024			
												02		TOWN OF ROLESVILLE CID-24-04 V2		SRGEG		11/01/2024	
												03		TOWN OF ROLESVILLE CID-24-04 V3		SRGEG		12/01/2024	
												04		TOWN OF ROLESVILLE CID-24-04 V4		SRGEG		06/02/2025	
												05		TOWN OF ROLESVILLE CID-24-04 V5		SRGEG		09/02/2025	
												No.		REVISIONS		DATE		BY	





**NOTE:**

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2. EROSION CONTROL NOTES: SEE SHEET C-10.0
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STRONGROCK

ENGINEERING GROUP

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

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

STRONG ROCK PROJECT  
PSP-24-03

NOT FOR  
CONSTRUCTION

SCALE  
AS SHOWN

DESIGNED BY  
SRG

DRAWN BY  
SRG

CHECKED BY  
SRG

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

CONSTRUCTION PLANS

EROSION CONTROL PLAN  
PHASE 1 - STAGE 2

DRAWING  
SHEET

C-10.4

63 OF 230

SEAL:

CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

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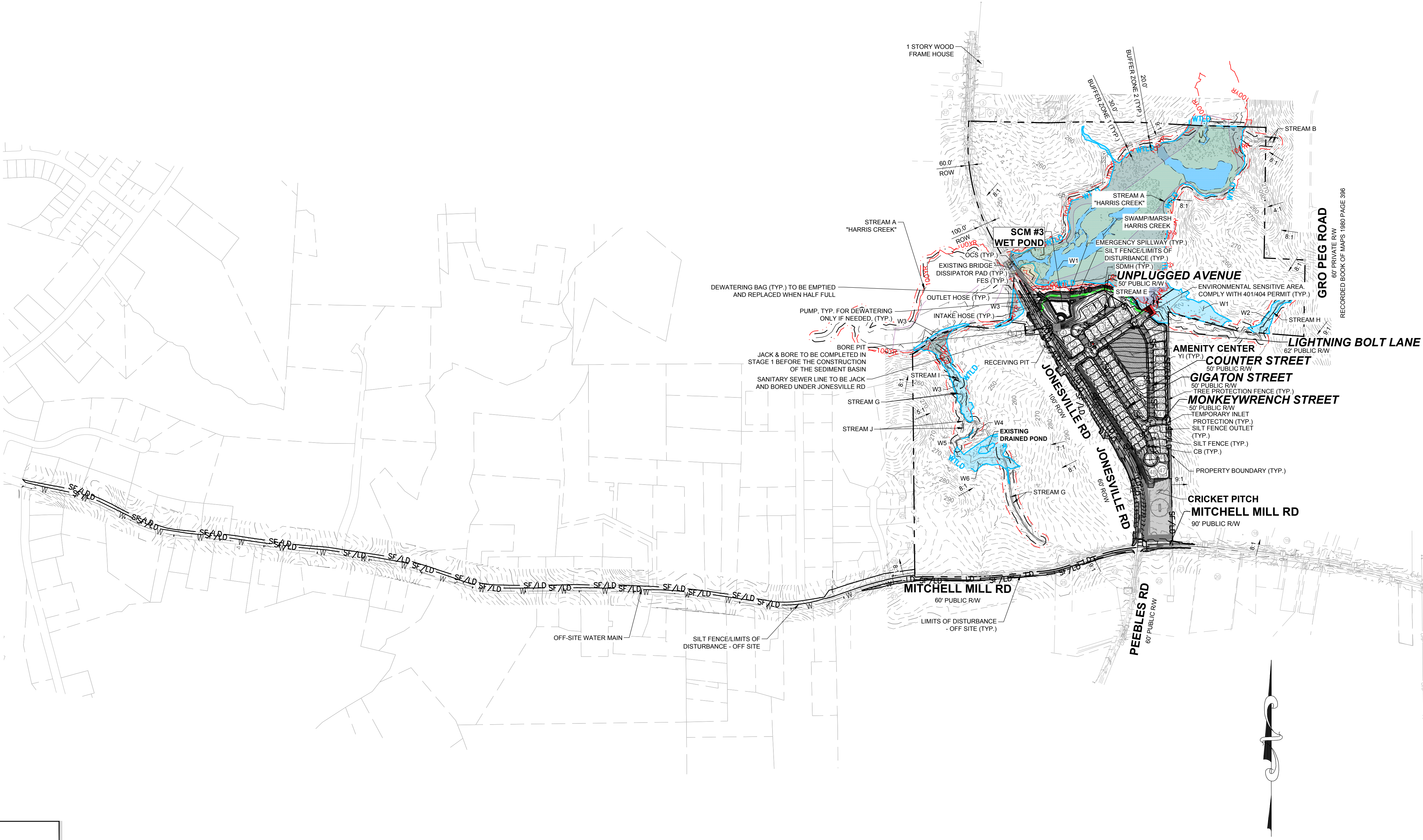
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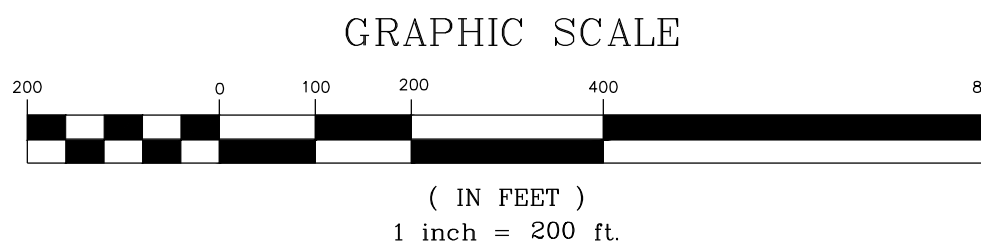
ADJOINER INFORMATION			
1	CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421 ZONING: R-30 (WC) USE: SF	20	CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
2	ABRAHAM T. BURNHAM AND KYLA L. BURNHAM PIN: 1757481832 DB 19140 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: 1757556301 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: 1757484669 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 1897 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 1986 PG 00524 ZONING: R-30 (WC) USE: SF	25	CURTIS L. HONEYCUTT AND WIFE TODD KENDALL PIN: 1757540996 DB 19209 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	TOUUTOFF, KENNETH S. TOUUTOFF, BILLIE ANNE PIN: 1757587764 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: 1757587665 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: 1757589808 DB 15599 PG 1003 LOT 5 - BM 1994 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: 1757684698 DB 19081 PG 2786 LOT 2A - BM 1982 PG 00581 ZONING: R-30 (WC) USE: VA	35	HENRY ALSTON PIN: 1757481376 DB 19248 PG 894 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 1989 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		

- NOTE:**
- PHASE 1, ACREAGE: 23.38 AC
  - EROSION CONTROL NOTES: SEE SHEET C-10.0
  - ALL LAND-DISTURBING ACTIVITIES MUST BE PLANNED AND CONDUCTED TO LIMIT THE EXPOSED AREA TO 50 ROLLING ACRES.
  - STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.



**LEGEND:**

- EXISTING ADJOINER PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- PROP. MAJOR CONTOURS
- PROP. MINOR CONTOURS
- STANDARD CURB & GUTTER
- PROPOSED STORM DRAIN LINE
- PROPOSED LOT LINE
- SF / LD
- LD
- SF
- SS
- WTLO
- WTLO
- EXISTING WETLAND
- ENVIRONMENTAL SENSITIVE AREA



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.

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-24-03	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY SRG	DRAWN BY SRG	CHECKED BY SRG
RESERVE @ MITCHELL MILL TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA CONSTRUCTION PLANS EROSION CONTROL PLAN OVERALL PHASE 1 - STAGE 3					
DRAWING SHEET					
C-10.5					
64 OF 230					

SEAL:

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CONSTRUCTION INFRASTRUCTURE DRAWINGS  
CID-24-04

TOWN OF ROLESVILLE CID-24-04 V2  
TOWN OF ROLESVILLE CID-24-04 V3  
TOWN OF ROLESVILLE CID-24-04 V4  
TOWN OF ROLESVILLE CID-24-04 V5

08/04/2024  
11/01/2024  
02/01/2024  
06/02/2025  
09/02/2025

DATE

REVISIONS

No.