HILLS AT HARRIS CREEK

CONSTRUCTION PLANS

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PROJECT NUMBER: CID-24-07

SITE INFORMATION:

LOCATION: 0 - 5326 MITCHELL MILL ROAD
COUNTY: WAKE COUNTY
PARENT PIN: 1757758529, 1757761273, 1757778982, 1757750520
DB/PG: 001318 / 000333
ZONING: RM-CZ CLUSTER DEVELOPMENT
GROSS ACREAGE: 5,029,513 SF (115.46 AC)
25' ROW DEDICATION ACREAGE: 43,196 SF (0.99 AC)
NET ACREAGE: 4,986,317 SF (114.47 AC)

MINIMUM BUILDING SETBACKS:
LOT 50' & LOT 60':
FRONT YARD: 20'
SIDE YARD: 5'
REAR YARD: 20'
CORNER YARD: 8'
LOT 70':
FRONT YARD: 20'
SIDE YARD: 8'
REAR YARD: 20'
CORNER YARD: 12'

RIGHT OF WAY & OTHER AREAS:
NATURAL WETLANDS: 657,515 SF (15.09 AC)

MAXIMUM ALLOWED NUMBER OF LOTS: 225 LOTS
TOTAL NUMBER PROPOSED LOTS: 225 LOTS
MINIMUM LOT FRONTAGE: 51'
MINIMUM REQUIRED LOT SIZE: 6,120 SF

OPEN SPACE BREAKDOWN:
PROPERTY BOUNDARY: 4,986,317 SF (114.47 AC)
REQUIRED OPEN SPACE (SECTION 3.1.B.1): 1,994,527 SF (45.79 AC)
PROVIDED OPEN SPACE: 2,556,235 SF (58.68 AC)
CLUSTER OPTION OPEN SPACE CALCULATIONS: SEE SHEET C-5.0
ACTIVE/PASSIVE OPEN SPACE CALCULATIONS: SEE SHEET C-5.1

IMPERVIOUS AREAS:
ROADWAYS & SIDEWALKS 497,342 SF (11.42 AC)
PONDS: 130,318 SF (2.99 AC)
BUILD UPON AREA (BUA) : 1,049,051 SF (24.08 AC)
TOTAL ON-SITE IMPERVIOUS AREA: 1,676,711 SF (38.49 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT: 33.63%

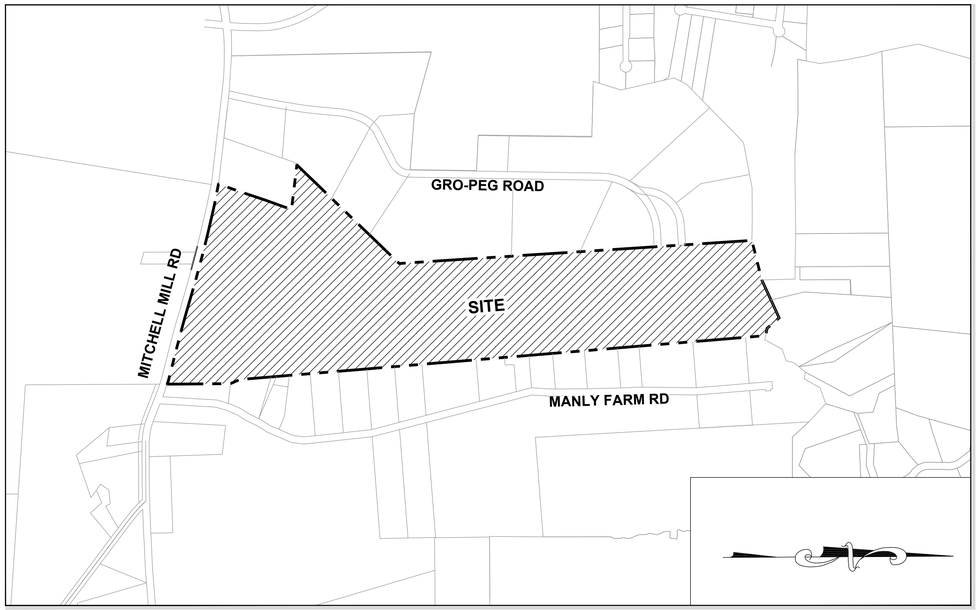
CURRENT & PROPOSED USE AREAS:
CURRENT USE: WAKE COUNTY AGRICULTURAL
PROPOSED USE: TOWN OF ROLESVILLE RESIDENTIAL, MEDIUM DENSITY

WATERSHED, RIVER BASIN:
THIS PROJECT IS LOCATED WITHIN THE NEUSE RIVER BASIN

LOT ACREAGE:	DSF:
LOT TYPE 50' (51' x 118' LOTS):	75 LOTS
LOT TYPE 60' (60' x 117' LOTS):	68 LOTS
LOT TYPE 70' (70' x 115' LOTS):	82 LOTS

TOTAL NUMBER PROPOSED LOTS: 225 LOTS
MINIMUM PROPOSED LOT SIZE: 6,120 SF (0.14 AC)
MAXIMUM PROPOSED LOT SIZE: 19,443 SF(0.45 AC)
MINIMUM LOT WIDTH: 51'
PROPOSED DENSITY: 1.96 UNITS/AC

DISTURBED AREA:
TOTAL DISTURBED AREA: 2,947,222 SF (67.66 AC)



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STREET NAMES	PROPOSED ROW	PAVEMENT WIDTH	LINEAR FEET
BOULDER MILL DRIVE	50-70 Ft	24-42 Ft	2,558
SLATE SPRINGS STREET	50 Ft	24 Ft	370.18
STREET A	50 Ft	24 Ft	800.17
PLUTON RIDGE DRIVE	50 Ft-60 Ft	24-34 Ft	1,650.22
IGNEOUS STREET	50 Ft	24 Ft	1,075.88
MILLPOND BLUFF DRIVE	50 Ft	24 Ft	1,063.21
FLATROCK RIDGE STREET	62 Ft	36 Ft	849.40
MAGMA CHAMBER WAY	50 Ft	24 Ft	762.97
LAVA STREET	50 Ft	24 Ft	330.80
LIMESTONE WALL LANE	50 Ft	24 Ft	2,477.73
PRIVATE OFF-SITE DRIVEWAY 1	20 Ft	16 Ft	160.00
PRIVATE OFF-SITE DRIVEWAY 2	20 Ft	16 Ft	159.13

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

OWNER:
ALAN&RANDY WATKINS//LAURA AND RANDALL WATKINS//
ELLIS LAND INVESTMENT COMPANY, LLC
ADDRESS: 305 CHURCH AT NORTH HILLS STREET, SUITE 1110
CITY/STATE/ZIP: RALEIGH, NC 27609
PHONE: 919-824-6088
EMAIL: jason@ellisdevgroup.com.

DEVELOPER:
ELLIS DEVELOPMENTS NC, LLC
CONTACT NAME: JASON PFISTER
ADDRESS: 305 CHURCH AT NORTH HILLS STREET, SUITE 1110
CITY/STATE/ZIP: RALEIGH, NC 27609
PHONE: 919-824-6088
EMAIL: jason@ellisdevgroup.com.

CIVIL ENGINEERING:
STRONGROCK ENGINEERING GROUP
305 CHURCH AT NORTH HILLS ST, SUITE 1110
RALEIGH, NC 27609
INFORMATION@STRONGROCKGROUP.COM

VICINITY MAP
1" = 600'

RALEIGH WATER INSPECTIONS QUANTITIES (SUBDIVISIONS AND SITE PLANS)

PHASE NUMBER(S)	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6
NUMBER OF LOT (S)	225					
NUMBER OF UNITS	225					
PUBLIC WATER (LF)	15,031					
PUBLIC SEWER (LF)	14,081					
PUBLIC FORCE MAIN (LF)	-	-	-	-	-	-
PRIVATE SEWER * (LF)	-	-	-	-	-	-
WATER SERVICE STUBS (QUANTITY)	225					
SEWER SERVICE STUBS (QUANTITY)	225					
AVERAGE DAILY FLOW PER PHASE **	-					
COMMERCIAL PROJECTS WITH SINGLE WATER AND SEWER SERVICE						
FIRE SERVICE (SIZE)						
DOMESTIC METER SIZE						
IRRIGATION METER SIZE						
AVERAGE DAILY FLOW PER PHASE **						

*SEWER MAINS AND MANHOLES AS PART OF A COLLECTION SYSTEM
**ENTIRE PROJECT FLOW. BASED ON 75GPD PER BEDROOM FOR RESIDENTIAL (APARTMENTS, SINGLE FAMILY DWELLING, TOWNHOUSE, CONDOS), OR BASED ON 15A NCAC 02T .0114 WASTEWATER DESIGN FLOW RATES FOR COMMERCIAL AND INDUSTRIAL
THE METER SIZE MUST MATCH DOMESTIC SERVICE SIZE (EXEMPTION - 3/4" SERVICE TAP WITH 5/8" METER)

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

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

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

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

CONDITIONS OF APPROVAL:
1. UTILITIES CONSTRUCTED BY OTHERS MUST BE INSTALLED, INSPECTED, AND ACCEPTED BY RALEIGH PRIOR TO RECORDATION OF THE LOTS WITHIN THIS PROJECT. IF THESE UTILITIES ARE NOT CONSTRUCTED BY OTHERS, THIS PROJECT IS RESPONSIBLE FOR THE EXTENSIONS TO SUPPORT THIS PROJECT'S DEVELOPMENT.
2. A WATER MODEL IS REQUIRED TO BE COMPLETED BY THE PROJECT ENGINEER TO DEMONSTRATE THAT THE PROPOSED WATER LINE EXTENSION WILL PROVIDE ADEQUATE FIRE FLOW AND PRESSURE FOR THE PROPOSED DEVELOPMENT.
3. THIS DEVELOPMENT IS CONTINGENT UPON THE COMPLETION OF THE "HARRIS CREEK SANITARY SEWER REPLACEMENT S-5037" PERMIT. THE SEWER REPLACEMENT IMPROVEMENTS SHALL BE INSTALLED, INSPECTED, AND ACCEPTED BY CITY OF RALEIGH PRIOR TO RECORDATION OF LOTS FOR THIS DEVELOPMENT.
4. ALL OFFSITE SEWER EASEMENTS MUST BE APPROVED, SIGNED AND RECORDED WITH RALEIGH DEED TEMPLATE PRIOR TO CD APPROVAL.

NOTES:
1. SEE SHEET C-1.1 FOR ZONING CONDITIONS.
2. THIS SUBDIVISION SHALL BE DEVELOPED AND RECORDED IN A SINGLE PHASE; THERE IS NO PHASING PLAN.

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

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
COVER SHEET

DRAWING SHEET
C-1.0

01 OF 128

GENERAL CONSTRUCTION NOTES:

1.THE SUBJECT PROPERTY SHALL BE DEVELOPED GENERALLY IN ACCORDANCE WITH THE CONCEPT SKETCH PLAN ATTACHED HERETO AS EXHIBIT ONE AND INCORPORATED HEREIN AS IF FULLY SET OUT. LOCATIONS SHOWN FOR COMMITTED ELEMENTS INCLUDING, BUT NOT LIMITED TO GREENWAYS, STREETS, AND OPEN SPACE AREAS SHOWN ON THE CONCEPT SKETCH PLAN, ARE CONCEPTUAL AND PROVIDED FOR ILLUSTRATION AND CONTEXT ONLY. FINAL LOCATIONS OF ELEMENTS SHALL BE DETERMINED AT SUBSEQUENT STAGES THROUGH THE TOWN'S DEVELOPMENT REVIEW APPROVAL PROCESSES.

2. DENSITY: THE PROPERTY MAY BE DEVELOPED WITH UP TO A MAXIMUM OF 225 SINGLE FAMILY DETACHED DWELLING UNITS.

3. AFFORDABLE HOUSING: PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT, TWENTY THOUSAND DOLLARS AND NO CENTS ($20,000.00) SHALL BE DONATED TO HOMES FOR HEROES (OR ANOTHER NON-PROFIT ORGANIZATION WITH A SUBSTANTIALLY SIMILAR MISSION STATEMENT). A SIGNED AND NOTARIZED AFFIDAVIT FROM THE BENEFITTED CHARITY SHALL BE PROVIDED AS EVIDENCE OF PERFORMANCE OF THIS COMMITMENT.

4. POLLINATOR PLANTINGS: AT LEAST FOUR ACRES OF THE LANDSCAPING PLANTED WITHIN THE DUKE ENERGY POWER LINE EASEMENT 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. THIS LANDSCAPE ELEMENT SHALL BE IDENTIFIED AS A "FEATURE" IN THE APPROPRIATE PROPOSED LOT WITHIN THE PRELIMINARY SUBDIVISION PLAT DRAWINGS, AND THEN AGAIN IDENTIFIED AND FULLY DETAILED ON LANDSCAPE PLAN DRAWINGS INCLUDED IN THE CONSTRUCTION INFRASTRUCTURE DRAWINGS, AND THIS SHALL BE CONSIDERED INFRASTRUCTURE THAT IS INSPECTED FOR (INSTALLATION) COMPLIANCE BY/AT THE TIME OF SUBDIVISION CLOSE-OUT. APPLICANT MAY PROVIDE THIS FEATURE EARLIER IN THE DEVELOPMENT PROCESS BY EVIDENCE OF PHOTO DOCUMENTATION AND INSPECTION REPORT BY THE TOWN INFRASTRUCTURE INSPECTOR OR OTHER STAFF.

5. RECREATIONAL AMENITIES: THE FOLLOWING RECREATIONAL AMENITIES SHALL BE PROVIDED GENERALLY AS SHOWN ON THE RECREATIONAL AMENITIES PLAN ATTACHED HERETO AS EXHIBIT TWO AS A PART OF THE DEVELOPMENT OF THE SUBJECT PROPERTY AND SHALL BE DEDICATED TO THE SUBDIVISION'S HOMEOWNER'S ASSOCIATION (HOA). THESE AMENITIES SHALL BE IDENTIFIED AS A "FEATURE" IN THE APPROPRIATE PROPOSED LOT WITHIN THE PRELIMINARY SUBDIVISION PLAT DRAWINGS, AND THEN AGAIN IDENTIFIED AND DETAILED IN THE CONSTRUCTION INFRASTRUCTURE DRAWINGS, AND THIS SHALL BE CONSIDERED INFRASTRUCTURE THAT IS INSPECTED FOR (INSTALLATION) COMPLIANCE BY/AT THE TIME OF SUBDIVISION CLOSE-OUT. APPLICANT MAY PROVIDE THIS FEATURE EARLIER IN THE DEVELOPMENT PROCESS BY EVIDENCE OF PHOTO DOCUMENTATION AND INSPECTION REPORT BY THE TOWN INFRASTRUCTURE INSPECTOR OR OTHER STAFF.
I. A SWIMMING POOL AND CABANA, INCLUDING CHANGING ROOMS AND RESTROOMS SHALL BE CONSTRUCTED PRIOR TO THE ISSUANCE OF THE 150TH RESIDENTIAL DWELLING UNIT BUILDING PERMIT;
II. AT LEAST ONE FENCED PLAYGROUND SHALL BE CONSTRUCTED PRIOR TO THE ISSUANCE OF THE 150TH RESIDENTIAL DWELLING UNIT BUILDING PERMIT;
III. AT LEAST ONE FENCED DOG PARK SHALL BE CONSTRUCTED PRIOR TO THE ISSUANCE OF THE 150TH RESIDENTIAL DWELLING UNIT BUILDING PERMIT;
IV. AT LEAST ONE (1) GARDEN PARK SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF THE 200TH RESIDENTIAL DWELLING UNIT BUILDING PERMIT.

6. FOUNDATIONS: ALL HOMES SHALL INCLUDE EITHER CRAWL SPACE FOUNDATIONS OR STEM WALL FOUNDATION (AS THEY ARE GENERALLY DEFINED IN THE HOME BUILDING INDUSTRY). ANY STEM WALL FOUNDATIONS SHALL HAVE AN AVERAGE OF AT LEAST EIGHTEEN INCHES (18") IN HEIGHT OF REVEAL ABOVE THE FINISHED GROUND SURFACE ACROSS THE FRONT FACADE OF THE HOME. THERE SHALL BE NO EXPOSED CONCRETE ON ANY PORTION OF THE STEM WALL FOUNDATION ON ANY SIDE OF THE HOME FACING AND DIRECTLY PARALLEL TO A PUBLIC STREET. COMPLIANCE WITH THIS CONDITION SHALL BE DEMONSTRATED BY NOTING THE FOLLOWING ON THE PLANS SUBMITTED WITH THE RESIDENTIAL BUILDING PERMIT APPLICATION: I) THE AVERAGE STEM WALL HEIGHT FOR THE FRONT FAÇADE OF THE STEM WALL FOUNDATION, AND II) THE BUILDING MATERIALS TO BE USED (STONE VENEER OR BRICK) ON THE STEM WALL FOUNDATION FAÇADE ON ANY SIDE OF THE HOME FACING A PUBLIC STREET.

7. MINIMUM DWELLING SIZE: EACH SINGLE FAMILY DETACHED DWELLING UNIT SHALL CONTAIN A MINIMUM GROSS BUILDING SQUARE FOOTAGE OF 2,000 SQUARE FEET.

8. DRIVEWAY ACCESS TO NEIGHBORING PROPERTIES: TWO PRIVATE DRIVEWAYS (SHOWN AS DRIVEWAY A AND DRIVEWAY B ON THE ATTACHED EXHIBIT ONE) SHALL BE CONSTRUCTED TO CONNECT THE PROPERTY TO THE TWO ADJACENT PROPERTIES (IDENTIFIED AS WAKE COUNTY PIN'S 1757657746 & 1757658917) THAT CURRENTLY ACCESS MITCHELL MILL ROAD VIA THE PRIVATE ROAD KNOWN AS ROCK FARM ROAD (THE "ROCK FARM ROAD PROPERTIES"). ROCK FARM ROAD WILL BE ABANDONED AND REMOVED IN CONNECTION WITH THE DEVELOPMENT OF THE PROPERTY. ACCESS EASEMENTS SHALL BE PROVIDED TO THE ROCK FARM ROAD PROPERTIES TO PROVIDE INGRESS/EGRESS TO THE ROCK FARM ROAD PROPERTIES THROUGH DRIVEWAY A AND DRIVEWAY B PRIOR TO THE ABANDONMENT AND REMOVAL OF ROCK FARM ROAD.

9. GREENWAY AND SHARED USE PATH: A 10' WIDE PUBLIC SHARED USE PATH (LABELED AS "SHARED USE PATH" ON THE ATTACHED EXHIBIT ONE) SHALL BE CONSTRUCTED AND DEDICATED TO THE TOWN TO CONNECT TO THE 10' WIDE PUBLIC GREENWAY (LABELED AS THE PUBLIC GREENWAY ON THE ATTACHED EXHIBIT ONE).

10. FUTURE GREENWAY EXPANSION: THE 50' WIDE "GREENWAY EASEMENT" AS SHOWN ON EXHIBIT ONE, SHALL BE DEDICATED TO THE TOWN AS A FUTURE PUBLIC GREENWAY.

11. CONSTRUCT A WESTBOUND(MITCHELL MILL ROAD) RIGHT-TURN LANE WITH 50' OF STORAGE AT THE SITE ACCESS #1.

12. ALL ON-SITE RETAINING WALLS ARE TO BE OWNED AND MAINTAINED BY THE HOA.

Exhibit Three

REZ-24-02/Hills at Harris Creek

Conditions of Approval
Date: April 30, 2024

1. The subject property shall be developed generally in accordance with the Concept Sketch Plan attached hereto as Exhibit One and incorporated herein as if fully set out. Locations shown for committed elements including, but not limited to Greenways, streets, and open space areas shown on the Concept Sketch Plan, are conceptual and provided for illustration and context only. Final locations of elements shall be determined at subsequent stages through the Town's development review approval processes.
2. Density: The property may be developed with up to a maximum of 225 single family detached dwelling units.
3. Affordable Housing: Prior to the issuance of the first building permit, Twenty Thousand Dollars and No Cents ($20,000.00) shall be donated to Homes for Heroes (or another non-profit organization with a substantially similar mission statement). A signed and notarized affidavit from the benefitted charity shall be provided as evidence of performance of this commitment.
4. Pollinator Plantings: At least four acres of the landscaping planted within the Duke Energy power line easement 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. This landscape element shall be identified as a "feature" in the appropriate proposed Lot within the Preliminary Subdivision Plat drawings, and then again identified and fully detailed on landscape plan drawings included in the Construction Infrastructure Drawings, and this shall be considered infrastructure that is inspected for (installation) compliance by/at the time of subdivision close-out. Applicant may provide this feature earlier in the development process by evidence of photo documentation and inspection report by the Town infrastructure inspector or other staff.
5. Recreational Amenities: The following recreational amenities shall be provided generally as shown on the Recreational Amenities Plan attached hereto as Exhibit Two as a part of the development of the subject property and shall be dedicated to the subdivision's homeowner's association (HOA). These amenities shall be identified as a "feature" in the appropriate proposed Lot within the Preliminary Subdivision Plat drawings, and then again identified and detailed in the Construction Infrastructure Drawings, and this shall be considered infrastructure that is inspected for (installation) compliance by/at the time of subdivision close-out. Applicant may provide this feature earlier in the development process by evidence of photo documentation and inspection report by the Town infrastructure inspector or other staff.
   i. A swimming pool and cabana, including changing rooms and restrooms shall be constructed prior to the issuance of the 150th residential dwelling unit building permit;
   ii. At least one fenced playground shall be constructed prior to the issuance of the 150th residential dwelling unit building permit;
   iii. At least one fenced dog park shall be constructed prior to the issuance of the 150th residential dwelling unit building permit;
   iv. At least one (1) garden park shall be provided prior to the issuance of the 200th residential dwelling unit building permit.
6. Foundations: All homes shall include either crawl space foundations or stem wall foundation (as they are generally defined in the home building industry). Any stem wall foundations shall have an average of at least eighteen inches (18") in height of reveal above the finished ground surface across the front facade of the home. There shall be no exposed concrete on any portion of the stem wall foundation on any side of the home facing and directly parallel to a public street. Compliance with this condition shall be demonstrated by noting the following on the plans submitted with the residential building permit application: i) the average stem wall height for the front façade of the stem wall foundation, and ii) the building materials to be used (stone veneer or brick) on the stem wall foundation façade on any side of the home facing a public street.
7. Minimum Dwelling Size: Each single family detached dwelling unit shall contain a minimum gross building square footage of 2,000 square feet.
8. Driveway Access to Neighboring Properties: Two private driveways (shown as Driveway A and Driveway B on the attached Exhibit One) shall be constructed to connect the property to the two adjacent properties (identified as Wake County PIN's 1757657746 & 1757658917) that currently access Mitchell Mill Road via the private road known as Rock Farm Road (the "Rock Farm Road Properties"). Rock Farm Road will be abandoned and removed in connection with the development of the property. Access easements shall be provided to the Rock Farm Road Properties to provide ingress/egress to the Rock Farm Road Properties through Driveway A and Driveway B prior to the abandonment and removal of Rock Farm Road.
9. Greenway and Shared Use Path: A 10' wide public shared use path (labeled as "Shared Use Path" on the attached Exhibit One) shall be constructed and dedicated to the Town to connect to the 10' wide public greenway (labeled as the Public Greenway on the attached Exhibit One).
10. Future Greenway Expansion: The 50' wide "Greenway Easement" as shown on Exhibit One, shall be dedicated to the Town as a future public greenway.

Authentisign ID: 4C37A263-544B-EF11-80C3-002248270BE1

The foregoing zoning conditions have been voluntarily offered by the property owner. This page may be photocopied if additional space is needed..

Signature: Alan Watkins 07/26/24 — Print Name: Alan Watkins & Melody Watkins
Date:
Signature: Randy Watkins 07/26/24 — Melody Watkins 07/26/24
Date:
Signature: Laura Watkins 07/27/24 — Print Name: Randy & Donna Watkins — Donna Watkins 07/26/24
Date:
Signature: Randall Watkins 07/27/24 — Print Name: Laura Watkins
Date:
Signature: — Print Name: Randall Watkins
Date:
Signature: — Print Name: Ellis Land Investment Company, LLC
By: Stephen Ellis, Manager
Date:

No.	REVISIONS	DATE	BY
01.	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
ZONING CONDITIONS

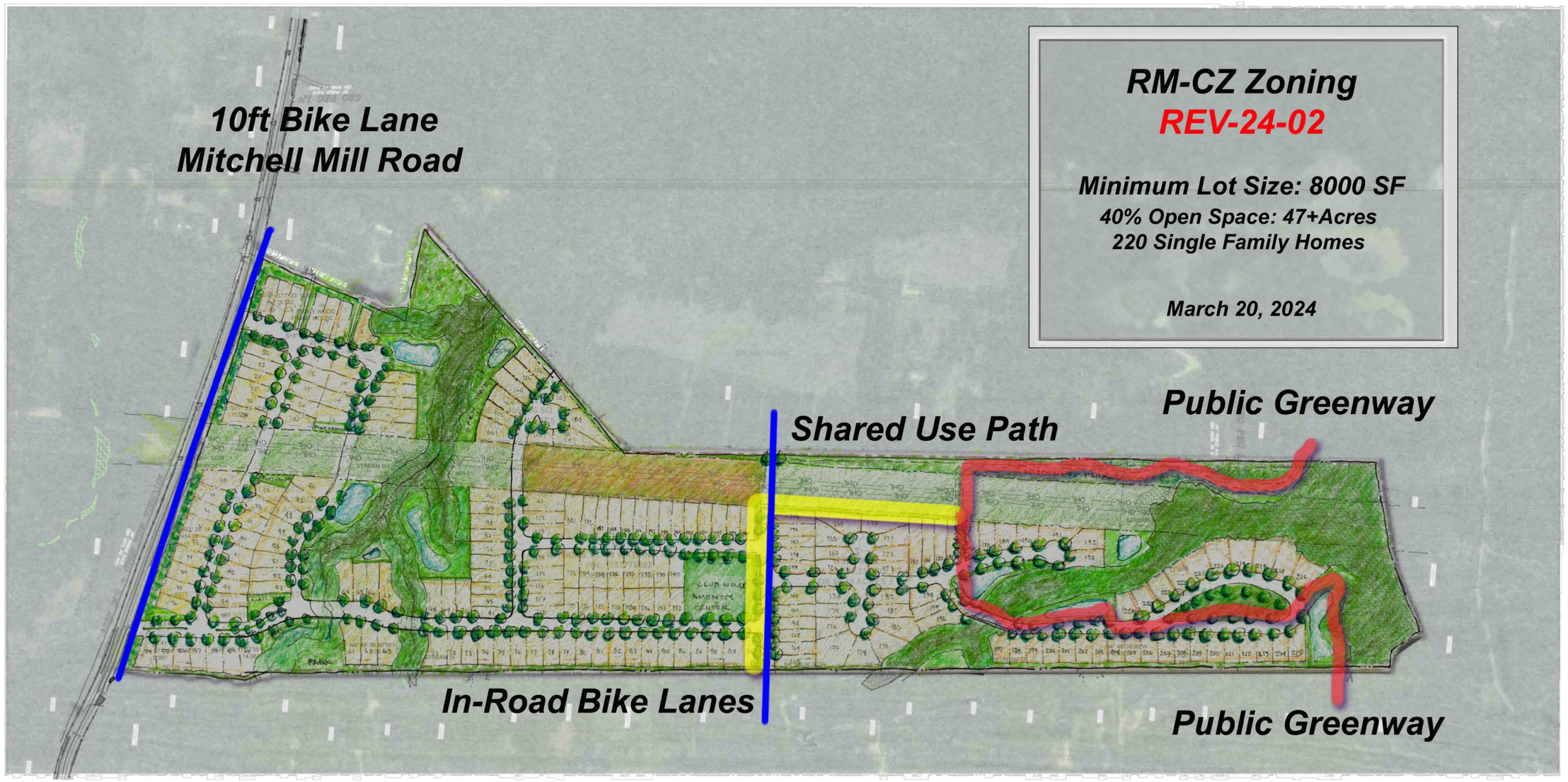
DRAWING SHEET
C-1.1

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

V2 - REZ-24-02

EXHIBIT ONE
CONCEPT SKETCH PLAN



Hills at Harris Creek

ELLIS DEVELOPMENTS GROUP

STRONGROCK ENGINEERING GROUP

SCALE
0 100 200 400
IN FEET
inch = 200 ft.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	SRG
		DRAWN BY	SRG
		CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
CONCEPT SKETCH PLAN

DRAWING SHEET
C-1.2

03 OF 128

GENERAL CONSTRUCTION NOTES:

1. SEE GENERAL NOTES ON SHEET C-1.1.
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 TAYLOR LAND CONSULTANTS. SEE SURVEY FOR BENCHMARK & TBM INFORMATION. SURVEY IS REFERENCED TO NC GRID NAD 83. REFER TO EXISTING CONDITIONS PLAN
5. ANY RELOCATION OF BENCHMARKS SHALL BE PERFORMED BY A NC LICENSED SURVEYOR.
6. ALL WORK, CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE, WAKE COUNTY, NCDOT OR & CITY OF RALEIGH STANDARDS AND SPECIFICATIONS, LATEST EDITION.
7. ALL WORK, CONSTRUCTION AND MATERIALS WITHIN NCDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2018 NCDOT STANDARDS SPECIFICATIONS FOR ROADS AND STRUCTURES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT RIGHT-OF-WAY. TRAFFIC CONTROL SHALL BE MAINTAINED AT ALL TIMES WITH PROPER SIGNAGE, SIGNALS, LIGHTING, FLAGMEN. ALL SIGNS, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
9. COPIES OF ALL PERMITS AND APPROVED PLANS MUST BE KEPT ON SITE IN A PERMIT BOX THAT IS CONSPICUOUSLY LOCATED AND EASILY ACCESSIBLE DURING CONSTRUCTION. THIS INCLUDES APPROVED CONSTRUCTION PLANS, APPROVED EROSION CONTROL PLANS, ENCROACHMENT AGREEMENTS, DRIVEWAY PERMITS, WATER/SEWER PERMITS, ETC.
10. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CONTACT THE NC ONE CALL CENTER AT LEAST 72 HOURS PRIOR TO DIGGING @ 1.800.632.4949. UNDERGROUND LINES SHOWN HEREON ARE APPROXIMATE OR AS REPORTED BY VARIOUS RESPONSIBLE PARTIES. THE SURVEYOR DOES NOT GUARANTEE THAT ANY UNDERGROUND STRUCTURES SUCH AS UTILITIES, TANKS AND PIPES ARE LOCATED HEREON.
11. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY TOWN, CITY OF RALEIGH OR NCDOT DAMAGED PROPERTY. THE CONTRACTOR SHALL REPAIR THE DAMAGED PROPERTY TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE AGENCY HOLDING JURISDICTION AT NO COST TO THE OWNER.
13. ANY DAMAGE DONE TO PRIVATE PROPERTY OWNERS SIGNS, MAILBOX, DRIVEWAY CULVERTS, LANDSCAPING OR OTHER PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION. AT NO COST TO OWNER.
14. CONTRACTOR IS RESPONSIBLE FOR FENCING AND SECURITY OF HIS LAYDOWN AND STORAGE AREA.
15. THE CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE FEDERAL, OSHA, STATE AND LOCAL REGULATIONS CONCERNING PROJECT SAFETY AND ASSUMES FULL RESPONSIBILITY FOR SAFETY ON THE PROJECT.
16. CONTRACTOR SHALL KEEP ALL ROADS FREE OF DIRT AND DEBRIS AT ALL TIMES.
17. CONTRACTOR SHALL PROTECT EXISTING PAVEMENTS AND UTILITIES FROM HEAVY EARTH MOVING EQUIPMENT. PROVIDE TRAFFIC CONTROL AND ADEQUATE PROTECTION METHODS AT ALL EQUIPMENT CROSSINGS.
18. ALL STRUCTURAL FILL MATERIAL SHALL BE FREE OF ALL STICKS, ROCKS, AND CLUMPS OF MUD. ALL ROCKS GREATER THAN 3" DURING EXCAVATION SHALL BE REMOVED.
19. CONCRETE SIDEWALKS THAT ARE TO BE REMOVED SHALL BE CUT BACK TO NEAREST EXPANSION OR CONTROL JOINT AND REPLACED WITH 4-INCH CONCRETE SIDEWALK FINISHED TO MATCH EXISTING SIDEWALKS.
20. CONTRACTOR TO COORDINATE WITH CITY OF RALEIGH FOR TEMPORARY WATER NEEDED DURING CONSTRUCTION. IF PERMITTED TO CONNECT TO EXISTING FIRE HYDRANT A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER WILL BE REQUIRED.
21. THE TRANSITION OF PROPOSED ROADWAY TO EXISTING ROADWAY SHALL BE DONE WITH A MINIMUM 8-FT TRANSITION WHERE THE EXISTING PAVEMENT IS MILLED TO A MINIMUM DEPTH OF 1-1/2" AND OVERLAID.
22. ALL PAVEMENT SAW CUTS SHALL BE NEAT, STRAIGHT AND FULL DEPTH.
23. ALL RIP-RAP IS TO BE INSTALLED WITH NON-WOVEN FILTER FABRIC BENEATH (MIRAFI 14ON OR APPROVED EQUAL).
24. HDPE PIPE SHALL BE ADS N-12 WT (ASTM D3212) OR APPROVED EQUAL INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
25. ALL SITE CONSTRUCTION MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE FOLLOWING STAGES:
    - A. COMPLETION OF GRADING SUBGRADE PRIOR TO PLACING STONE BASE.
    - B. COMPLETION OF STONE PLACEMENT PRIOR TO PAVING.
    - C. FINAL INSPECTION WHEN ALL WORK IS COMPLETE.
26. PRIOR TO PLACING CABC STONE BASE, THE CONTRACTOR SHOULD NOTIFY THE GEOTECHNICAL ENGINEER TO INSPECT THE PROOF ROLL OF THE SUBGRADE. ANY STONE PLACED WITHOUT PRIOR APPROVAL WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBJECT TO RE-CONSTRUCTION IF SUBGRADE DOES NOT MEET TOWN AND NCDOT STANDARDS & SPECIFICATIONS.
27. ALL UTILITY SERVICES, (POWER, TELEPHONE, CABLE, ETC.) ARE PROPOSED TO BE UNDERGROUND. THE CONTRACTOR SHALL COORDINATE WITH THE PRIVATE UTILITY SERVICE COMPANIES FOR ANY REQUIRED CONDUITS OR POINT OF CONTACT CONDITIONS.
28. ALL PUBLIC UTILITIES THAT REQUIRE AN ENGINEERING CERTIFICATION MUST BE INSPECTED BY A PROFESSIONAL ENGINEER ON A PERIODIC BASIS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER WHEN INSTALLING UTILITIES FOR PERIODIC INSPECTIONS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AT THE TIME OF PRESSURE TESTING AND WATER LINE DISINFECTION. THE CONTRACTOR SHALL SUPPLY THE PROJECT ENGINEER PRESSURE TEST RESULTS.
29. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED ON THE PLANS OR 12 INCHES, WHICH EVER IS LESS, CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
30. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL, TO AN APPROVED NCDENR LOCATION, OF ANY EXCESS TOPSOIL OR UNCLASSIFIED EXCAVATION HE DETERMINES IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION.
31. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE DAILY RECORD KEEPING OF THE AS-BUILT CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKEOUT ASSOCIATED WITH THE PROJECT. PREPARATION OF THE NECESSARY/REQUIRED AS-BUILT PLANS TO BE SUBMITTED TO TOWN OF ROLESVILLE AND/OR CITY RALEIGH PUBLIC UTILITIES AND/OR ALL OTHER INFORMATION REQUIRED IN CONNECTION WITH RELEASE OF BONDS.
32. THE CONTRACTOR SHALL INCLUDE IN THE PRICE, ANY AND ALL COSTS ASSOCIATED WITH PROVIDING A PROFESSIONAL ENGINEER ON SITE IF REQUIRED, DURING THE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITIES, UNDERGROUND UTILITIES, ETC. AS REQUIRED FOR AS-BUILT CERTIFICATION.
33. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. NCDOT, TOWN OF ROLESVILLE, CITY OF RALEIGH, & ENGINEER OF RECORD ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
34. TESTING BY CONTRACTOR: CONTRACTOR SHALL EMPLOY AT HIS EXPENSE AN OUTSIDE INDEPENDENT SOIL TESTING SERVICE (APPROVED BY THE OWNER) TO PERFORM SOIL TESTING AND INSPECTION SERVICE FOR QUALITY CONTROL TESTING DURING EARTHWORK OPERATIONS. COPIES OF RESULTS OF TESTS SHALL BE SUBMITTED BY THE TESTING SERVICE DIRECTLY TO THE CONTRACTOR, THE OWNER, AND THE APPLICABLE APPROVING AGENCY. --THE TESTING SERVICE WILL CLASSIFY PROPOSED ON-SITE AND BORROW SOILS TO VERIFY THAT SOILS COMPLY WITH SPECIFIED REQUIREMENTS AND TO PERFORM REQUIRED FIELD AND LABORATORY TESTING. (MINIMUM REQUIRED SOIL BEARING CAPACITY IS NOTED ON THE STRUCTURAL DRAWINGS). -IN PAVED AND BUILDING SLAB AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 2000 SQUARE FEET OF FILL IN EACH COMPACTED FILL LAYER. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION. --IN FOUNDATION WALL AREAS, THE TESTING SERVICE SHALL MAKE AT LEAST ONE FIELD DENSITY TEST FOR EACH 100 FEET OR LESS OF WALL LENGTH OF FILL IN EACH COMPACTED FILL LAYER, WITH NO LESS THAN TWO TESTS ALONG A WALL FACE. IF A TEST SHOULD FAIL TO MEET REQUIRED DENSITY, THE CONTRACTOR SHALL RE-COMPACT THAT LAYER. THE SOIL TESTING SERVICE SHALL PERFORM ADDITIONAL TESTS AT THE CONTRACTOR'S EXPENSE TO SHOW THAT THE FAILED LAYER HAS REACHED THE REQUIRED COMPACTION.
35. COMPACTION: COMPACT EACH LAYER OF BACKFILL AND FILL SOIL MATERIALS AND THE TOP 12" OF SUBGRADE IN CUT AREAS TO 98% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99 FOR STRUCTURES, SLABS, AND PAVEMENTS AND 95% OF MAXIMUM DENSITY FOR EMBANKMENTS OR UNPAVED AREAS. MAX LIFT THICKNESS FOR FILL AREAS IS 8 INCHES.
36. DESIGN/FIELD CONDITIONS QUITE EASILY MAY VARY FROM THAT REPRESENTED IN THE INITIAL SOILS REPORT AND/OR TOPOGRAPHICAL REPORT. ISOLATED AREAS MAY SHOW UP WEAK AND ADVERSE SOILS OR GROUNDWATER CONDITIONS MAY BE DISCOVERED THAT WERE NOT REVEALED DURING THE INITIAL SOILS INVESTIGATION. THEREFORE, THE OWNER/CLIENT IS TO BE AWARE THAT ENGINEER OF RECORD WILL NOT AND CANNOT BE HELD RESPONSIBLE FOR ANY FAILURES TO EITHER A STREET OR PARKING LOT PAVEMENT DESIGN UNLESS WE CAN BE FULLY AND TOTALLY INVOLVED IN THE CONSTRUCTION PROCESS WHICH MAY INCLUDE, BUT MAY NOT NECESSARILY BE LIMITED TO, TESTING SUBGRADE AND BASE DENSITY, ENGAGING THE GEOTECHNICAL ENGINEER FOR THE EVALUATION OF THE SUBGRADE AND FOR THE OBSERVATION OF PROOF ROLLING SUBGRADE AND BASE AT VARIOUS STEPS OF CONSTRUCTION, OPPORTUNITY FOR THE DESIGN ENGINEER TO CALL IN A GEOTECHNICAL ENGINEER FOR CONSULTATION AND ADVICE, ETC. - STEPS WHICH TAKEN ALTOGETHER WITH THE INITIAL DESIGN SHOWN ON THE PLANS, CONSTITUTE THE COMPLETE DESIGN OF THE ROAD, STREET OF PARKING AREA (PRIVATE OR PUBLIC). THE DESIGN ENGINEER MUST BE GIVEN THE FULL LATITUDE AND OPPORTUNITY TO COMPLETE THE DESIGN BY FULLY PARTICIPATING IN THE CONSTRUCTION PROCESS. PLAN DESIGN IS A SMALL PORTION OF THE DESIGN AND CANNOT BE SEPARATED FROM THE CONSTRUCTION PROCESS IF THE OWNER'S/CLIENT'S DESIRE IS TO HAVE THE DESIGN ENGINEER STAND BEHIND THE COMPLETED DESIGNED PROJECT.
37. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDING PADS.
38. THE SITE PREVIOUSLY CONTAINED RESIDENTIAL / FARM STRUCTURES CONTRACTOR RESPONSIBLE FOR REMOVAL OF ANY FOUNDATIONS AND SEPTIC SYSTEMS PER NCDNR REQUIREMENTS.

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
&	AND
℄	CENTERLINE
Ø	DIAMETER OR ROUND
ℙ	PROPERTY LINE
ABC	AGGREGATE BASE ASPH ASPHALT
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
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
LEN	LENGTH

GENERAL ABBREVIATIONS:

IDENTIFIER	DESCRIPTION
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	TOP OF BARRIER
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
CRZ	CRITICAL ROOT ZONE

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

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
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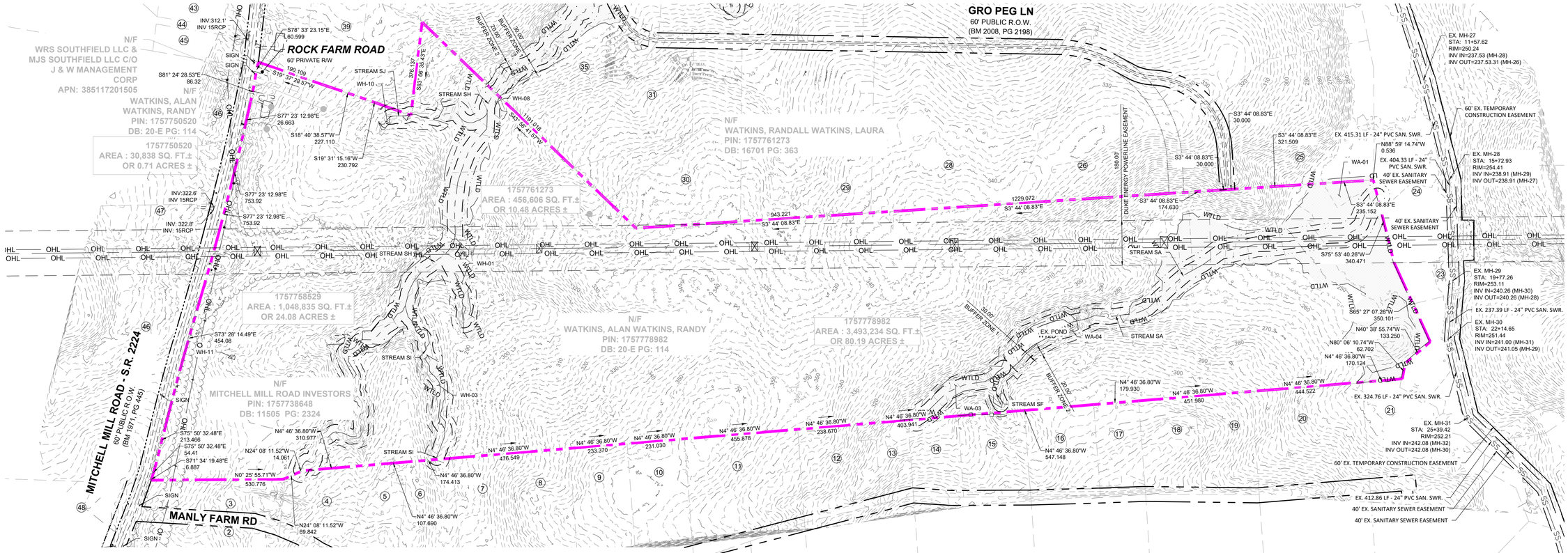
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
CIVIL NOTES

DRAWING SHEET
C-2.0

04 OF 128

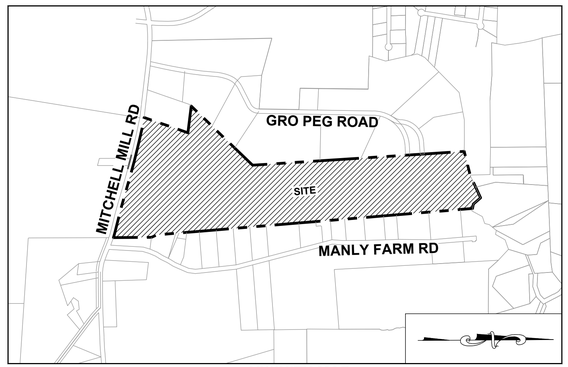
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PROGRESS PLOT DATE: 05/08/2025



ADJOINER INFORMATION			
1	N/F MILLS, JOSEPHEUS DANIELS PIN: 1757859243 DB: 2494 PG: 585 ZONING: R-30 (WC) USE: SF	13	N/F ADAMS, BENJAMIN ADAMS, WHITNEY PIN: 1757874938 DB: 18930 PG: 1511 BM 2006 PG 2397 ZONING: R-30 (WC) USE: SF
2	N/F JONES, CHARLES SPENCER JONES, SHARON PIN: 1757856303 DB: 13359 PG: 400 ZONING: R-30 (WC) USE: AG	14	N/F JONES PROPERTIES LLC PIN: 1757884137 DB: 11404 PG: 2275 BM 1986 PG 01374 ZONING: R-30 (WC) USE: MO
3	N/F JONES, CHARLES, ET,AL PIN: 1757856303 DB: 13359 PG: 400 ZONING: R-30 (WC) USE: AG	15	N/F JONES PROPERTIES LLC PIN: 1757884420 DB: 12589 PG: 1045 BM 1986 PG 1374 ZONING: R-30 (WC) USE: MO
4	N/F JONES PROPERTIES LLC PIN: 1757856755 DB: 12895 PG: 505 BM: 1993 PG: 446 ZONING: R-30 (WC) USE: SF	16	N/F JONES, CHARLES SPENCE PIN: 1757884608 DB: 5319 PG: 135 BM 1994 PG 1952 ZONING: R-30 (WC) USE: SF
5	N/F JONES, CHARLES SPENCER PIN: 1757857937 DB: 9320 PG: 1460 BM 1993 PG 446 ZONING: R-30 (WC) USE: SF	17	N/F JONES, CHARLES SPENCE PIN: 1757883981 DB: 5319 PG: 135 BM 1994 PG 1952 ZONING: R-30 (WC) USE: SF
6	N/F ANDERSON, BOBBY G PIN: 1757868104 DB: 8776 PG: 573 BM 1993 PG 446 ZONING: R-30 (WC) USE: MO	18	N/F JONES, CHARLES SPENCE PIN: 1757894101 DB: 2590 PG: 622 ZONING: R-30 (WC) USE: SF
7	N/F HERNADEZ, JUANITA PIN: 1757866385 DB: 15932 PG: 1806 BM 1990 PG 132 ZONING: R-30 (WC) USE: MO	19	N/F JONES, CHARLES SPENCE PIN: 1757893394 DB: 2478 PG: 210 ZONING: R-30 (WC) USE: MO
8	N/F GOLD, SHARIE PIN: 1757866660 DB: PG: BM 1990 PG 00623 ZONING: R-30 (WC) USE: SF	20	N/F RGA CONSULTING LLC PIN: 757893646 DB: 15770 PG: 1169 BM 2010 PG 725 ZONING: R-30 (WC) USE: VA
9	N/F LEFRANCOIS CONSTRUCTION CO INC PIN: 1757866852 DB: 18468 PG: 2535 BM 2002 PG 352 ZONING: R-30 (WC) USE: VA	21	N/F JONES PROPERTIES LLC PIN: 1758805144 DB: 11187 PG: 542 BM 1971 PG 445 ZONING: R-30 (WC) USE: SF
10	N/F LEFRANCOIS, MICHAEL L LEFRANCOIS, TONIA PIN: 1757876015 DB: 14356 PG: 1438 BM 2002 PG 352 ZONING: R-30 (WC) USE: SF	22	N/F DAVIS, WILLIAM C DAVIS, KAREN M PIN: 1758709579 DB: 3425 PG: 292 BM 1985 PG 208 ZONING: RL (RO) USE: SF
11	N/F BEATTIE, LENORA M PIN: 1757875349 DB: 07-E PG: 2834 ZONING: R-30 (WC) USE: SF	23	N/F FORRESTER, JENNIFER N FORRESTER, HAYES G PIN: 1758707313 DB: 12620 PG: 2172 ZONING: RL (RO) USE: SF
12	N/F LEFRANCOIS, STEPHEN D PIN: 1757874787 DB: 5638 PG: 497 ZONING: R-30 (WC) USE: SF	24	N/F JONES, CHARLES E PIN: 1757694902 DB: 8581 PG: 2079 BM 2018 PG 390 ZONING: RL (RO) USE: VA

ADJOINER INFORMATION			
25	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757790646 DB: 14863 PG: 2493 BM 2008 PG 2198 ZONING: R-30 (WC) USE: VA	37	N/F MT CALVARY HOLINESS CHURCH OF WAKE CO INC PIN: 1757660324 DB: 10124 PG: 2778 BM 2002 PG 991 ZONING: R-30 (WC) USE: EX
26	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757781960 DB: 14863 PG: 2493 BM 2009 PG 645 ZONING: R-30 (WC) USE: VA	38	N/F UNDERHILL, G ARCHIE JR UNDERHILL, TERESSA C PIN: 1757653765 DB: 8443 PG: 2129 BM 1999 PG 1357 ZONING: R-30 (WC) USE: SF
27	GRO PEG PROPERTIES LLC PIN: 1757684697 DB: 18359 PG: 1707 BM 1980 PG 396 ZONING: R-30 (WC) USE: VA	39	N/F PREDDY, GENADIUS MAC PREDDY, MATTIE F PIN: 1757656586 DB: 1882 PG: 342 ZONING: R-30 (WC) USE: S
28	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757780258 DB: 14863 PG: 2493 BM 2008 PG 2198 ZONING: R-30 (WC) USE: SF	40	N/F CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
29	N/F GRO PEG PROPERTIES LLC PIN: 1757771603 DB: 18359 PG:1707 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	41	N/F BETTY H. PARTIN PIN: 1757653216 DB: 17435 PG: 1751 LOT 2 - BM 1985 PG 88 ZONING: R-30 (WC) USE: SF
30	N/F FERLITO, CHRISTOPHER J MORRIS, SARAH L PIN: 1757772106 DB: 19307 PG:800 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	42	N/F PARTIN, BETTY H PIN: 1757654381 DB: 17435 PG: 1751 BM 1985 PG 88 ZONING: R-30 (WC) USE: SF
31	N/F FERLITO, CHRISTOPHER J MORRIS, SARAH L PIN: 1757770001 DB: 19307 PG:800 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	43	N/F UTILITY THREE BUILDERS INC PIN: 1757646703 DB: 18226 PG: 2104 ZONING: R-30 (WC) USE: SF
32	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757675786 DB: 14863 PG: 2493 BM 1980 PG 396 ZONING: R-30 (WC) USE: VA	44	WILLIE RAY SUTTON AND WIFE, PAMELA Z. SUTTON PIN: 1757657280 DB 2958 PG 536 BM 1981 PG 895 ZONING: R-30 (WC) USE: VA
33	N/F HC ROLESVILLE INVESTMENTS LLC PIN: 1757571035 DB: 19587 PG: 1804 ZONING: R-30 (WC) USE: SF	45	N/F MITCHELL MILL ROAD INVESTORS PIN: 1757738451 DB: 11505 PG: 2324 ZONING: R-30 (WC) USE: SF
34	N/F GRO PEG PROPERTIES LLC PIN: 1757664956 DB: 20-E PG: 1940 BM 1982 PG 581 ZONING: R-30 (WC) USE: VA	46	N/F SOUTHVIEW INVESTMENT LLC PIN: 1757738451 DB: 19248 PG: 2000 ZONING: R-30 (WC) USE: SF
35	N/F GRO PEG PROPERTIES LLC PIN: 1757668730 DB: 19081 PG: 2786 BM 2022 PG 1203 ZONING: R-30 (WC) USE: VA	47	N/F MITCHELL MILL ROAD INVESTORS PIN: 1757738451 DB: 11505 PG: 2324 BM 1990 PG 511 ZONING: R-30 (WC) USE: SF
36	N/F VILLANUEVA, PHILIP SHELLEY VILLANUEVA, NADIA SULTA PIN: 1757665301 DB: 19104 PG:1732 BM 2022 PG 1203 ZONING: R-30 (WC) USE: SF	48	N/F JONES, CHARLES SPENCER PIN: 1757944104 DB: 16822 PG: 904 BM 2016 PG 1736 ZONING: R-30 (WC) USE: AG



VICINITY MAP
1" = 1000'

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 320 — 5' CONTOUR
- 1' CONTOUR
- EXISTING STREAM
- EXISTING BUFFER
- 100YR — 100 YR FLOOD LINE
- 500YR — 500 YR FLOOD LINE
- FLOODWAY LINE
- 8" SAN — EXISTING 8" SANITARY SEWER
- WTLD / WTLD — EXISTING WETLAND
- EXISTING FIRE HYDRANT

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VZ-CID-24-07	02/03/2025	SREG

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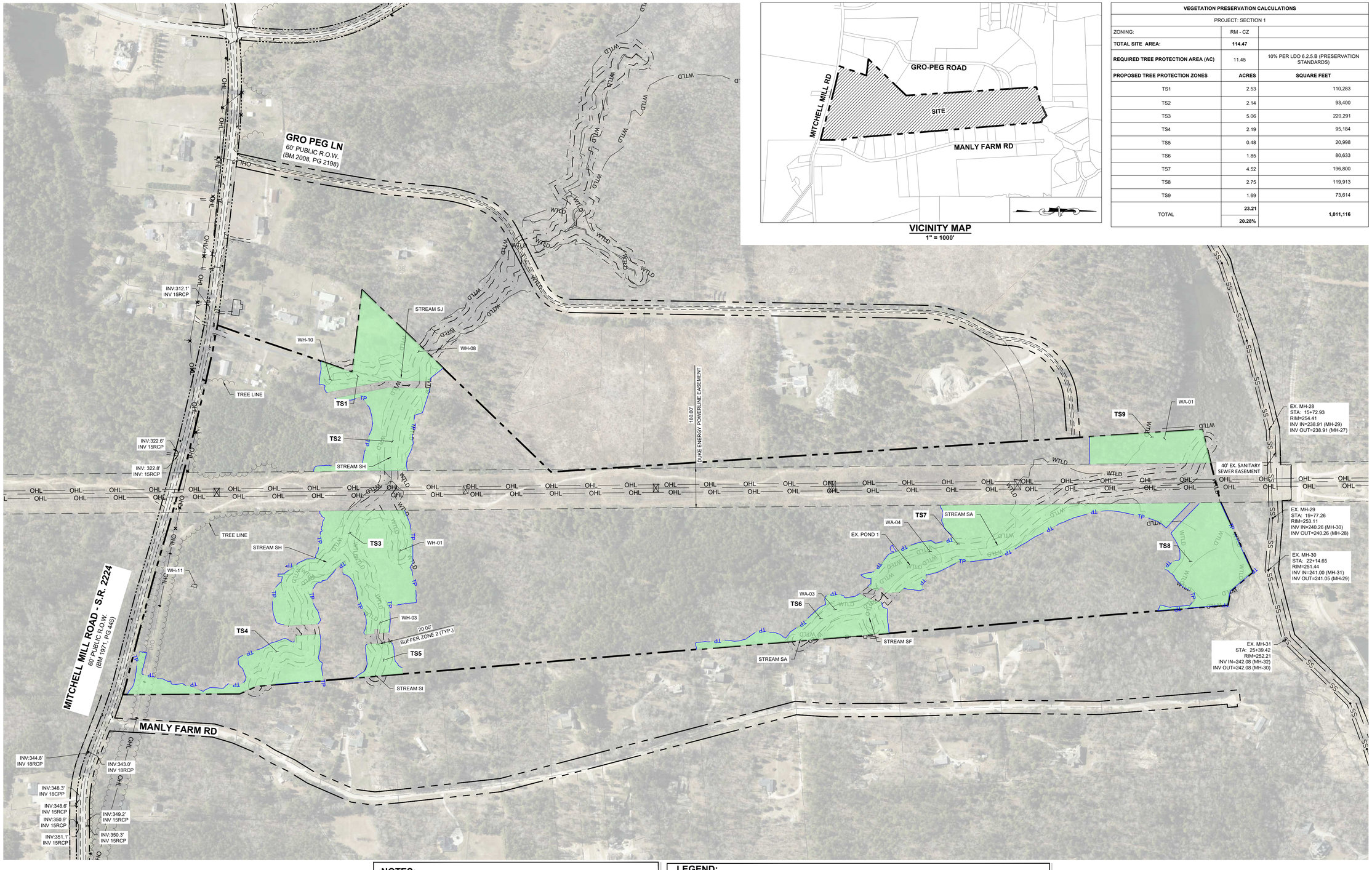
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EXISTING CONDITIONS PLAN

DRAWING SHEET
C-3.0

05 OF 128

PROGRESS PLOT DATE: 05/08/2025



VICINITY MAP
1" = 1000'

VEGETATION PRESERVATION CALCULATIONS		
PROJECT: SECTION 1		
ZONING:	RM - CZ	
TOTAL SITE AREA:	**114.47**	
REQUIRED TREE PROTECTION AREA (AC)	11.45	10% PER LDO 6.2.5.B (PRESERVATION STANDARDS)
PROPOSED TREE PROTECTION ZONES	**ACRES**	**SQUARE FEET**
TS1	2.53	110,283
TS2	2.14	93,400
TS3	5.06	220,291
TS4	2.19	95,184
TS5	0.48	20,998
TS6	1.85	80,633
TS7	4.52	196,800
TS8	2.75	119,913
TS9	1.69	73,614
TOTAL	**23.21**	**1,011,116**
	20.28%	

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- PROPERTY LINE
- EXISTING ADJOINER PROPERTY LINE
- EXISTING STREAM
- EXISTING BUFFER
- FLOODWAY LINE
- EXISTING 8" SANITARY SEWER
- TREE PROTECTION FENCE
- EXISTING FIRE HYDRANT
- EXISTING WETLAND
- TREE PROTECTION AREA - NC ZONE
- TREES TO BE PRESERVED
- TREES TO BE REMOVED
- CRZ FOR TREES TO BE PRESERVED
- CRZ FOR TREES TO BE REMOVED
- LIMIT OF DISTURBANCE
- SILT FENCE/LIMIT OF DISTURBANCE

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

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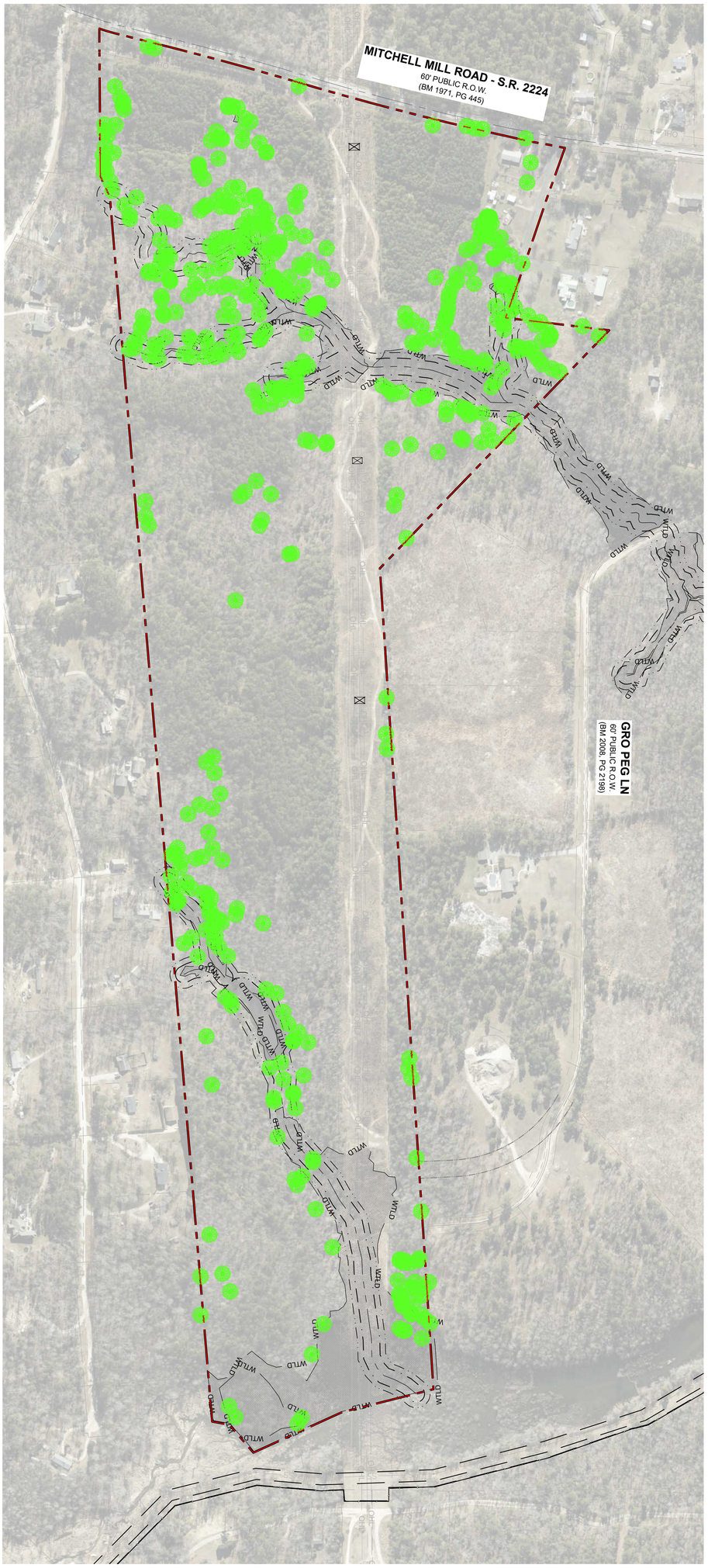
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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
TREE PROTECTION PLAN

DRAWING SHEET
C-3.1

06 OF 128



GRAPHIC SCALE

(IN FEET)

1 inch = 200 ft.

200 0 100 200 400 800

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PROGRESS PLOT DATE: 05/08/2025

07 OF 128

DRAWING SHEET C-3.2

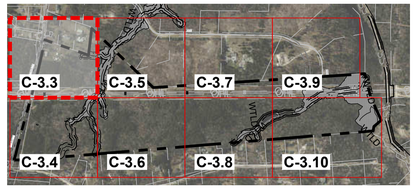
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OVERALL TREE INVENTORY MAP

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

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SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



No.	REVISIONS	DATE	BY
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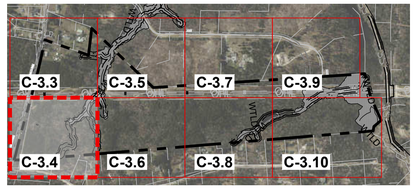
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP I

DRAWING SHEET
C-3.3

08 OF 128

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PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FOR CONTINUATION, SEE C-3.3

MATCH LINE

MITCHELL MILL ROAD - S.R. 2224
80' PUBLIC R.O.W.
(BM 1971, PG 445)

MANLY FARM RD

MATCH LINE
FOR CONTINUATION, SEE C-3.6

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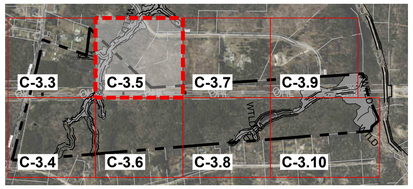
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NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP II

DRAWING SHEET
C-3.4

09 OF 128

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FOR CONTINUATION, SEE C-3.3

MATCH LINE

WTLD

STREAM SH

WH-08

OHL

MATCH LINE
FOR CONTINUATION, SEE C-3.7

MATCH LINE
FOR CONTINUATION, SEE C-3.6

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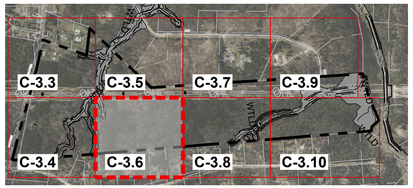
STRONG ROCK PROJECT			
NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY SRG
			DRAWN BY SRG
			CHECKED BY SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP III

DRAWING SHEET
C-3.5

10 OF 128

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FOR CONTINUATION, SEE C-3.5

MATCH LINE



MATCH LINE

FOR CONTINUATION, SEE C-3.8

FOR CONTINUATION, SEE C-3.4

MATCH LINE

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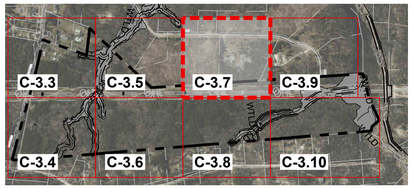
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SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP IV

DRAWING SHEET
C-3.6

11 OF 128



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2008, PG 2198)

MATCH LINE
FOR CONTINUATION, SEE C-3.5

MATCH LINE
FOR CONTINUATION, SEE C-3.9

128 129 130

OHL

MATCH LINE
FOR CONTINUATION, SEE C-3.8

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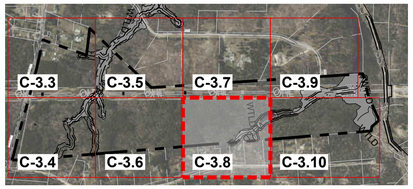
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SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP V

DRAWING
SHEET
C-3.7



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FOR CONTINUATION, SEE C-3.7

MATCH LINE

FOR CONTINUATION, SEE C-3.6

MATCH LINE

FOR CONTINUATION, SEE C-3.10



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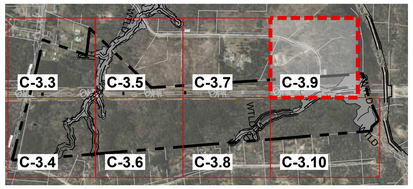
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SCALE	AS SHOWN
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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP VI

DRAWING SHEET
C-3.8



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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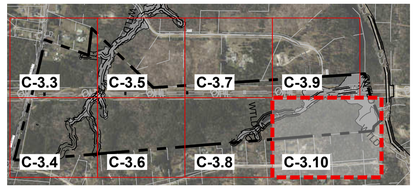
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP VII

DRAWING SHEET
C-3.9

14 OF 128

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GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN

LEGEND:

SEE SHEET C-3.11 FOR TREE LEGEND TABLES

MATCH LINE
FOR CONTINUATION, SEE C-3.9

MATCH LINE
FOR CONTINUATION, SEE C-3.8



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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP VIII

DRAWING SHEET
C-3.10

TREE CODE	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
1	QUNI	20	FAIR
2	PITA	25	FAIR
3	CEOC	26	FAIR
4	ULAL	23	FAIR
5	PIST	25	FAIR
6	CAIL	28	FAIR
7	CAIL	22	FAIR
8	PITA	21	FAIR
9	PITA	20	FAIR
10	PITA	24	FAIR
11	PITA	26	FAIR
12	PITA	24	FAIR
13	PITA	23	FAIR
14	PITA	21	FAIR
15	LITU	18	FAIR
16	PITA	26	FAIR
17	PITA	24	FAIR
18	PITA	21	FAIR
19	PITA	25	FAIR
20	PITA	20	FAIR
21	PITA	21	FAIR
22	LITU	21	FAIR
23	PITA	33	POOR
24	PITA	26	FAIR
25	PITA	24	FAIR
26	PLOC	29	FAIR
27	PLOC	27	FAIR
28	ULAM	18	POOR
29	PITA	24	FAIR
30	LITU	25	FAIR
31	LITU	21	FAIR
32	LITU	20	FAIR
33	LITU	25	FAIR
34	LITU	21	FAIR
35	LITU	19	FAIR
36	ULAM	18	FAIR
37	LITU	24	FAIR
38	LITU	28	POOR
39	CEOC	21	FAIR
40	LIST	17	FAIR
41	PITA	24	FAIR
42	QUAL	21	FAIR
43	PITA	24	FAIR
44	PITA	25	FAIR
45	CATO	21	FAIR
46	LITU	25	FAIR
47	PITA	20	FAIR
48	PITA	26	FAIR
49	LITU	24	FAIR
50	LITU	19	FAIR
51	PITA	25	FAIR
52	LITU	26	FAIR
53	LITU	22	FAIR
54	LITU	24	FAIR
55	LITU	26	FAIR
56	LITU	25	FAIR
57	LITU	26	FAIR
58	LITU	27	FAIR
59	LITU	20	FAIR
60	LITU	27	FAIR
61	LIST	24	FAIR
62	QUFA	18	FAIR
63	PITA	21	FAIR
64	PITA	40	FAIR
65	LITU	24	FAIR
66	LITU	18	FAIR
67	LITU	22	FAIR
68	ACRU	22	POOR
69	LITU	21	FAIR
70	LITU	28	FAIR
71	LITU	21	FAIR
72	PITA	24	FAIR
73	PITA	20	FAIR
74	PITA	22	FAIR
75	LITU	26	FAIR
76	QUFA	26	FAIR
77	QUAL	25	FAIR
78	QUFA	28	FAIR
79	QUAL	20	FAIR
80	QUAL	30	FAIR
81	QURU	19	FAIR
82	QUAL	24	FAIR
83	QURU	20	FAIR
84	LITU	26	FAIR
85	QURU	19	FAIR
86	QUAL	32	FAIR
87	QUAL	18	FAIR
88	QUAL	24	FAIR
89	QUAL	33	FAIR
90	QUAL	22	FAIR
91	QUAL	24	FAIR
92	PITA	24	FAIR
93	PITA	25	FAIR
94	PITA	25	FAIR
95	PITA	31	FAIR
96	PITA	25	FAIR
97	PITA	24	FAIR
98	LIST	19	FAIR
99	ULAL	18	FAIR
100	LITU	21	FAIR
101	PITA	24	FAIR

TREE CODE	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
102	PITA	21	FAIR
103	LITU	31	FAIR
104	PITA	24	FAIR
105	ACRU	23	FAIR
106	NYSY	18	FAIR
107	PITA	24	FAIR
108	PITA	23	FAIR
109	LITU	24	FAIR
110	LIST	19	FAIR
111	PITA	25	FAIR
112	PITA	20	FAIR
113	PITA	21	FAIR
114	PITA	26	FAIR
115	QUAL	48	FAIR
116	ACRU	18	FAIR
117	QUAL	26	FAIR
118	QUAL	25	FAIR
119	LITU	19	FAIR
120	PITA	21	FAIR
121	PITA	20	FAIR
122	QUAL	20	FAIR
123	QUAL	27	FAIR
124	ACRU	20	FAIR
125	CATO	25	FAIR
126	LITU	25	FAIR
127	QUAL	20	FAIR
128	PITA	25	FAIR
129	LIST	20	FAIR
130	PITA	24	FAIR
131	QUAL	21	FAIR
132	CATO	18	FAIR
133	QUAL	25	FAIR
134	OXAR	18	FAIR
135	ACRU	18	FAIR
136	QUAL	20	FAIR
137	QUAL	25	FAIR
138	QURU	20	FAIR
139	QUAL	18	FAIR
140	QURU	18	FAIR
141	QURU	20	FAIR
142	LITU	20	FAIR
143	QURU	20	FAIR
144	LITU	24	FAIR
145	QURU	19	FAIR
146	FRAM	24	FAIR
147	QUAL	19	FAIR
148	LITU	24	FAIR
149	PITA	20	FAIR
150	PITA	20	FAIR
151	PITA	21	FAIR
152	PITA	21	FAIR
153	PITA	20	FAIR
154	PITA	21	FAIR
155	PITA	21	FAIR
156	PITA	20	FAIR
157	PITA	22	FAIR
158	LIST	19	FAIR
159	LIST	19	FAIR
160	LIST	21	FAIR
161	ACRU	25	FAIR
162	ACRU	20	FAIR
163	PITA	20	FAIR
164	PITA	20	FAIR
165	ACRU	25	GOOD
166	LITU	20	GOOD
167	PITA	20	GOOD
168	PITA	22	FAIR
169	PITA	24	FAIR
170	PITA	20	GOOD
171	PITA	26	FAIR
172	PITA	24	FAIR
173	QUNI	18	GOOD
174	QUNI	25	DEAD
175	QUNI	31	GOOD
176	LITU	29	POOR
177	LITU	35	FAIR
178	LITU	18	GOOD
179	PLAC1	23	POOR
180	PLAC1	18	FAIR
181	LITU	36	GOOD
182	PLAC1	25	GOOD
183	LITU	28	GOOD
184	LIST	18	GOOD
185	LIST	21	GOOD
186	LITU	24	FAIR
187	QUAL	18	GOOD
188	LITU	18	FAIR
189	LITU	21	POOR
190	LITU	23	POOR
191	QUAL	22	GOOD
192	QUAL	24	GOOD
193	LITU	25	FAIR
194	LITU	18	FAIR
195	LITU	19	FAIR
196	PLAC1	23	GOOD
197	LITU	20	FAIR
198	LITU	19	GOOD
199	LITU	18	GOOD
200	PITA	30	GOOD
201	PITA	20	GOOD
202	PITA	27	GOOD

TREE CODE	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
203	PITA	28	GOOD
204	LIST	18	GOOD
205	LITU	20	GOOD
206	LITU	18	GOOD
207	ACRU	26	GOOD
208	ACRU	29	FAIR
209	CEOC	24	GOOD
210	ACRU	24	GOOD
211	PITA	32	GOOD
212	ACRU	30	POOR
213	LIST	21	GOOD
214	PISE	31	FAIR
215	ACRU	15	FAIR
216	LITU	27	FAIR
217	ACRU	18	POOR
218	LITU	21	GOOD
219	LITU	36	GOOD
220	LITU	20	POOR
221	LITU	32	FAIR
222	LITU	35	FAIR
223	LITU	22	FAIR
224	ACRU	24	FAIR
225	QUAL	28	GOOD
226	LITU	18	FAIR
227	LITU	25	POOR
228	LITU	23	GOOD
229	LITU	23	FAIR
230	LITU	26	GOOD
231	LITU	35	POOR
232	LITU	31	POOR
233	LITU	22	FAIR
234	LITU	28	POOR
235	LITU	25	FAIR
236	QUAL	26	GOOD
237	QUAL	20	GOOD
238	LITU	18	FAIR
239	LITU	22	GOOD
240	PITA	22	GOOD
241	LITU	22	GOOD
242	PLAC1	19	GOOD
243	LITU	18	FAIR
244	LITU	18	GOOD
245	QURU	19	GOOD
246	QURU	24	FAIR
247	QUAL	18	GOOD
248	QUAL	25	POOR
249	QUAL	23	POOR
250	QURU	21	GOOD
251	QURU	19	FAIR
252	ACRU	18	POOR
253	ULAM	35	POOR
254	QUAL	25	GOOD
255	ACRU	28	FAIR
256	QUNI	18	FAIR
257	ACRU	18	GOOD
258	LITU	19	GOOD
259	PLOC	38	GOOD
260	LITU	30	GOOD
261	LITU	21	GOOD
262	LITU	24	FAIR
263	LITU	31	POOR
264	LITU	42	FAIR
265	LITU	24	GOOD
266	LITU	28	GOOD
267	LITU	31	FAIR
268	QUAL	33	POOR
269	QURU	24	FAIR
270	QUAL	24	GOOD
271	QURU	31	FAIR
272	PITA	27	FAIR
273	QUAL	38	FAIR
274	QUAL	40	FAIR
275	LITU	20	FAIR
276	LITU	21	FAIR
277	LITU	24	FAIR
278	PITA	23	DEAD
279	ACRU	24	DEAD
280	LITU	26	FAIR
281	PLOC	28	POOR
282	LITU	28	FAIR
283	PITA	23	FAIR
284	PITA	24	DEAD
285	PITA	24	FAIR
286	PLOC	24	FAIR
287	LITU	25	DEAD
288	LITU	22	FAIR
289	LITU	16	POOR
290	LIST	24	FAIR
291	LIST	18	FAIR
292	LITU	28	FAIR
293	PITA	24	FAIR
294	PLOC	23	FAIR
295	ACRU	24	POOR
296	LITU	20	FAIR
297	QURU	26	FAIR
298	LITU	20	FAIR
299	QUAL	19	FAIR
300	PITA	21	FAIR
301	LITU	18	FAIR
302	PITA	20	FAIR
303	QUFA	20	FAIR

TREE CODE	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
304	LITU	20	FAIR
305	QURU	20	FAIR
306	PITA	20	FAIR
307	PITA	20	FAIR
308	PITA	20	FAIR
309	PITA	24	FAIR
310	PITA	20	FAIR
311	QURU	18	FAIR
312	QUAL	20	FAIR
313	PITA	21	FAIR
314	PITA	21	FAIR
315	PITA	20	FAIR
316	PITA	20	FAIR
317	LITU	23	FAIR
318	LITU	20	FAIR
319	QUAL	37	FAIR
320	QUAL	36	FAIR
321	PITA	20	FAIR
322	PITA	20	FAIR
323	PITA	24	FAIR
324	QUAL	23	FAIR
325	QUAL	27	FAIR
326	PITA	20	FAIR
327	QUAL	27	FAIR
328	PLOC	22	FAIR
329	QUFA	24	POOR
330	LITU	20	FAIR
331	PITA	24	FAIR
332	LITU	19	FAIR
333	LITU	19	FAIR
334	QURU	23	FAIR
335	QURU	25	FAIR
336	LITU	20	FAIR
337	QUFA	24	FAIR
338	LITU	21	FAIR
339	LITU	27	FAIR
340	LITU	19	FAIR
341	QUNI	20	FAIR
342	QURU	19	FAIR
343	LITU	18	FAIR
344	LITU	18	FAIR
345	LITU	19	FAIR
346	PITA	23	FAIR
347	PITA	23	FAIR
348	ACRU	18	FAIR
349	PITA	24	FAIR
350	LIST	23	FAIR
351	QUNI	20	FAIR
352	QUNI	36	FAIR
353	QUNI	32	FAIR
354	PITA	20	FAIR
355	LIST	20	FAIR
356	LITU	24	POOR
357	LITU	24	FAIR
358	LITU	19	FAIR
359	LITU	19	FAIR
360	LITU	25	FAIR
361	LIST	18	FAIR
362	QUNI	26	FAIR
363	ILOP	18	FAIR
364	LIST	18	FAIR
365	LITU	23	FAIR
366	LITU	19	FAIR
367	LITU	23	FAIR
368	LITU	18	FAIR
369	LITU	20	FAIR
370	QURU	18	FAIR
371	LITU	23	FAIR
372	LITU	23	FAIR
373	LITU	18	FAIR
374	PITA	25	FAIR
375	LITU	19	FAIR
376	QUAL	24	FAIR
377	QURU	18	FAIR
378	QUAL	18	FAIR
379	CATO	19	FAIR
380	QURU	18	FAIR
381	PLOC	19	FAIR
382	QUFA	18	FAIR
383	QUAL	21	FAIR
384	LITU	31	FAIR
385	LITU	18	FAIR
386	CATO	24	FAIR
387	CATO	18	FAIR
388	QUAL	19	FAIR
389	PITA	20	FAIR
390	PITA	20	FAIR
391	PITA	20	FAIR
392	QUAL	30	FAIR
393	QUAL	25	FAIR
394	QUAL	20	FAIR
395	QUFA	24	FAIR
396	QUAL	21	FAIR
397	QUAL	21	FAIR
398	QUAL	19	FAIR
399	QUAL	20	FAIR
400	ULAL	36	FAIR
401	ULAL	19	FAIR
402	QUAL	18	FAIR
403	QUAL	18	FAIR
404	QUFA	22	FAIR

TREE CODE	BOTANICAL NAME	CALIPER INCHES	CONDITION OVERALL
405	QUFA	26	POOR
406	QUAL	19	FAIR
407	QUAL	21	FAIR
408	QUAL	20	FAIR
409	LITU	20	FAIR
410	ACRU	20	FAIR
411	LITU	18	FAIR
412	LITU	23	FAIR
413	QUAL	21	FAIR
414	LITU	21	FAIR
415	LITU	24	FAIR
416	PITA	24	FAIR
417	QUAL	21	FAIR
418	QUAL	24	FAIR
419	QUAL	19	FAIR
420	QUAL	18	FAIR
421	QUAL	19	FAIR
422	QUAL	19	FAIR
423	LITU	38	POOR
424	QUAL	18	FAIR
425	ACRU	19	FAIR
426	PITA	20	FAIR
427	PITA	20	FAIR
428	LITU	20	FAIR
429	PITA	20	FAIR
430	QUAL	20	FAIR
431	PITA	21	FAIR
432	QUAL	24	FAIR
433	QUAL	19	FAIR
434	LITU	19	FAIR
435	PITA	20	FAIR
436	LITU	21	FAIR
437	QUAL	21	FAIR
438	PITA	20	FAIR
439	ACRU	18	FAIR
440	ACRU	24	FAIR
441	QUAL	18	FAIR
442	LITU	26	FAIR
443	PITA	23	FAIR
444	CATO	18	FAIR
445	QUAL	19	FAIR
446	LITU	20	FAIR
447	LITU	30	FAIR
448	LITU	19	FAIR
449	QUAL	21	FAIR
450	QUAL	18	FAIR
451	QUAL	18	FAIR
452	ACRU	24	FAIR
453	QUAL	21	FAIR
454	PITA	23	FAIR
455	CAGL	19	FAIR
456	PITA	20	FAIR
457	PITA	20	FAIR
458	PITA	24	FAIR
459	PITA	21	FAIR
460	QUFA	20	FAIR
461	QUAL	20	FAIR
462	CATO	18	FAIR
463	ACRU	24	FAIR
464	LITU	19	FAIR
465	PLOC	20	FAIR
466	PITA	20	FAIR
467	LITU	18	FAIR
468	PITA	20	FAIR
469	LITU	19	FAIR
470	QUAL	24	FAIR
471	QUAL	21	FAIR
472	ACRU	18	FAIR
473	ACRU	21	FAIR
474	BENI	18	FAIR
475	QURU	18	FAIR
476	QURU	19	FAIR
477	LIST	19	FAIR
478	LITU	19	FAIR
479	LITU	21	FAIR
480	ACRU	24	FAIR

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

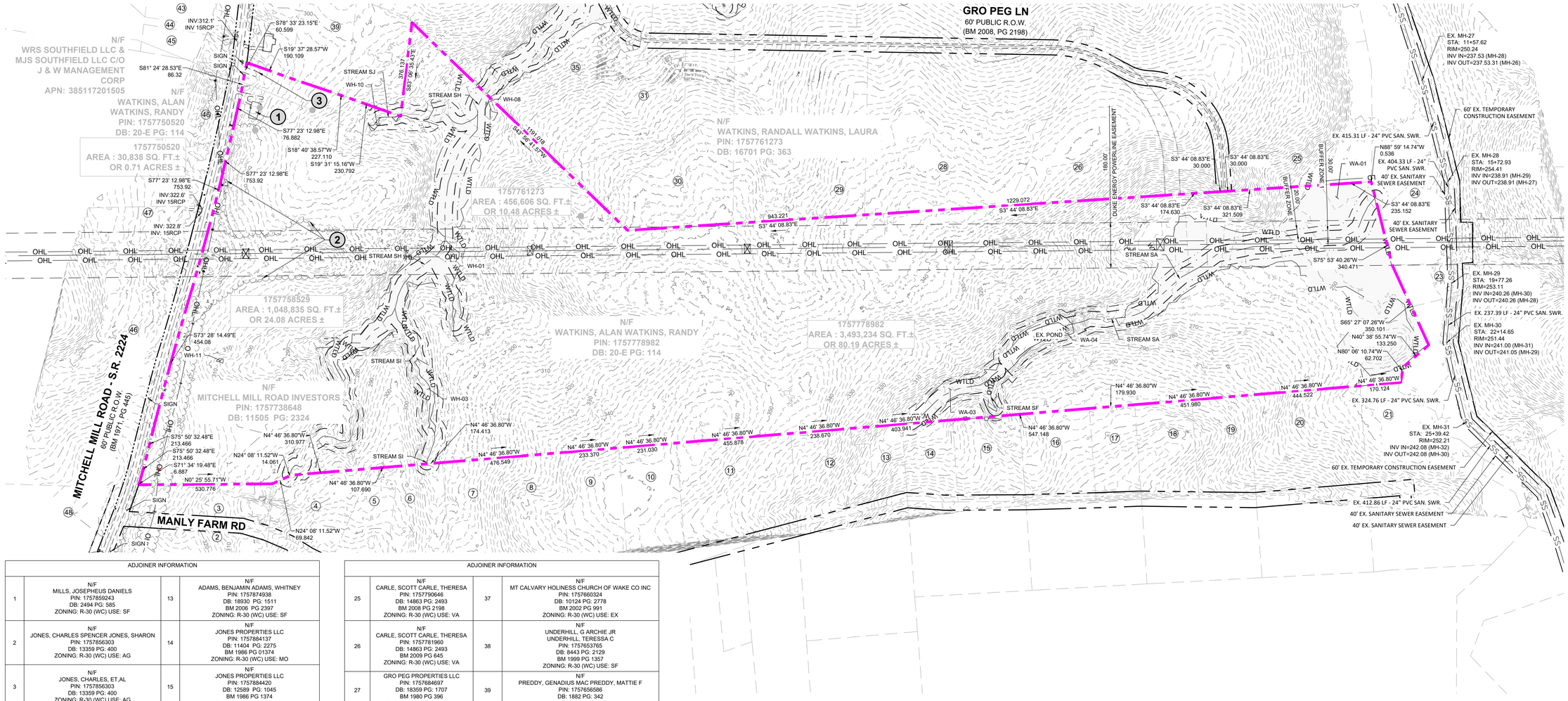
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
TREE INVENTORY TABLE

DRAWING SHEET
C-3.11

16 OF 128

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.

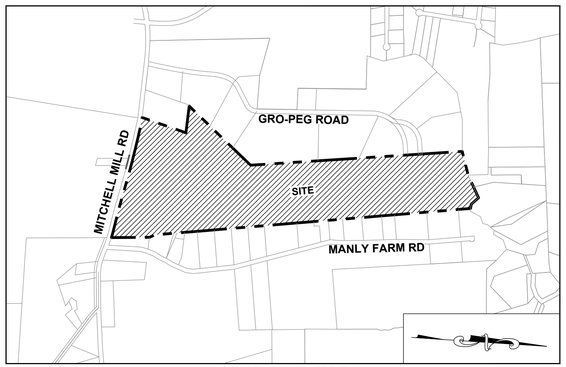


ADJOINER INFORMATION			
1	N/F MILLS, JOSEPHEUS DANIELS PIN: 1757859243 DB: 2494 PG: 585 ZONING: R-30 (WC) USE: SF	13	N/F ADAMS, BENJAMIN ADAMS, WHITNEY PIN: 1757874938 DB: 18930 PG: 1511 BM 2006 PG 2397 ZONING: R-30 (WC) USE: SF
2	N/F JONES, CHARLES SPENCER JONES, SHARON PIN: 1757856303 DB: 13359 PG: 400 ZONING: R-30 (WC) USE: AG	14	N/F JONES PROPERTIES LLC PIN: 1757884137 DB: 11404 PG: 2275 BM 1986 PG 01374 ZONING: R-30 (WC) USE: MO
3	N/F JONES, CHARLES, ET,AL PIN: 1757856303 DB: 13359 PG: 400 ZONING: R-30 (WC) USE: AG	15	N/F JONES PROPERTIES LLC PIN: 1757884420 DB: 12589 PG: 1045 BM 1986 PG 1374 ZONING: R-30 (WC) USE: MO
4	N/F JONES PROPERTIES LLC PIN: 1757856755 DB: 12895 PG: 505 BM: 1993 PG: 446 ZONING: R-30 (WC) USE: SF	16	N/F JONES, CHARLES SPENCE PIN: 1757884608 DB: 5319 PG: 135 BM 1994 PG 1952 ZONING: R-30 (WC) USE: SF
5	N/F JONES, CHARLES SPENCER PIN: 1757857937 DB: 9320 PG: 1460 BM 1993 PG 446 ZONING: R-30 (WC) USE: SF	17	N/F JONES, CHARLES SPENCE PIN: 1757883981 DB: 5319 PG: 135 BM 1994 PG 1952 ZONING: R-30 (WC) USE: SF
6	N/F ANDERSON, BOBBY G PIN: 1757868104 DB: 8776 PG: 573 BM 1993 PG 446 ZONING: R-30 (WC) USE: MO	18	N/F JONES, CHARLES SPENCE PIN: 1757894101 DB: 2590 PG: 622 ZONING: R-30 (WC) USE: SF
7	N/F HERNADEZ, JUANITA PIN: 1757866385 DB: 19332 PG: 1806 BM 1990 PG 132 ZONING: R-30 (WC) USE: MO	19	N/F JONES, CHARLES SPENCE PIN: 1757893394 DB: 2478 PG: 210 ZONING: R-30 (WC) USE: MO
8	N/F GOLD, SHARIE PIN: 1757866660 DB: PG: BM 1990 PG 00623 ZONING: R-30 (WC) USE: SF	20	N/F RGA CONSULTING LLC PIN: 757893646 DB: 15770 PG: 1169 BM 2010 PG 725 ZONING: R-30 (WC) USE: VA
9	N/F LEFRANCOIS CONSTRUCTION CO INC PIN: 1757866852 DB: 18468 PG: 2535 BM 2002 PG 352 ZONING: R-30 (WC) USE: VA	21	N/F JONES PROPERTIES LLC PIN: 1758805144 DB: 11187 PG: 542 BM 1971 PG 445 ZONING: R-30 (WC) USE: SF
10	N/F LEFRANCOIS, MICHAEL L LEFRANCOIS, TONIA PIN: 1757876015 DB: 14356 PG: 1438 BM 2002 PG 352 ZONING: R-30 (WC) USE: SF	22	N/F DAVIS, WILLIAM C DAVIS, KAREN M PIN: 1758709579 DB: 3425 PG: 292 BM 1985 PG 208 ZONING: RL (RO) USE: SF
11	N/F BEATTIE, LENORA M PIN: 1757875349 DB: 07-E PG: 2834 ZONING: R-30 (WC) USE: SF	23	N/F FORRESTER, JENNIFER N FORRESTER, HAYES G PIN: 1758707313 DB: 12620 PG: 2172 ZONING: RL (RO) USE: SF
12	N/F LEFRANCOIS, STEPHEN D PIN: 1757874787 DB: 5638 PG: 497 ZONING: R-30 (WC) USE: SF	24	N/F JONES, CHARLES E PIN: 1757894902 DB: 8581 PG: 2079 BM 2018 PG 390 ZONING: RL (RO) USE: VA

ADJOINER INFORMATION			
25	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757790646 DB: 14863 PG: 2493 BM 2008 PG 2198 ZONING: R-30 (WC) USE: VA	37	N/F MT CALVARY HOLINESS CHURCH OF WAKE CO INC PIN: 1757660324 DB: 10124 PG: 2778 BM 2002 PG 991 ZONING: R-30 (WC) USE: EX
26	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757781960 DB: 14863 PG: 2493 BM 2009 PG 645 ZONING: R-30 (WC) USE: VA	38	N/F UNDERHILL, G ARCHIE JR UNDERHILL, TERESSA C PIN: 1757653765 DB: 8443 PG: 2129 BM 1999 PG 1357 ZONING: R-30 (WC) USE: SF
27	GRO PEG PROPERTIES LLC PIN: 1757684697 DB: 18359 PG: 1707 BM 1980 PG 396 ZONING: R-30 (WC) USE: VA	39	N/F PREDDY, GENADIUS MAC PREDDY, MATTIE F PIN: 1757656586 DB: 1882 PG: 342 ZONING: R-30 (WC) USE: S
28	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757780258 DB: 14863 PG: 2493 BM 2008 PG 2198 ZONING: R-30 (WC) USE: SF	40	N/F CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT PIN: 1757650296 DB 5344 PG 819 ZONING: R-30 (WC) USE: SF
29	N/F GRO PEG PROPERTIES LLC PIN: 1757771603 DB: 18359 PG:1707 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	41	N/F BETTY H. PARTIN PIN: 1757653216 DB 17435 PG 1751 LOT 2 - BM 1985 PG 88 ZONING: R-30 (WC) USE: SF
30	N/F FERLITO, CHRISTOPHER J MORRIS, SARAH L PIN: 1757772106 DB: 19307 PG:800 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	42	N/F PARTIN, BETTY H PIN: 1757654381 DB: 17435 PG: 1751 BM 1985 PG 88 ZONING: R-30 (WC) USE: SF
31	N/F FERLITO, CHRISTOPHER J MORRIS, SARAH L PIN: 1757770001 DB: 19307 PG:800 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	43	N/F UTILITY THREE BUILDERS INC PIN: 1757646703 DB: 18226 PG: 2104 ZONING: R-30 (WC) USE: SF
32	N/F CARLE, SCOTT CARLE, THERESA PIN: 1757675786 DB: 14863 PG: 2493 BM 1980 PG 396 ZONING: R-30 (WC) USE: VA	44	WILLIE RAY SUTTON AND WIFE, PAMELA Z. SUTTON PIN: 1757657280 DB 2958 PG 536 BM 1981 PG 895 ZONING: R-30 (WC) USE: VA
33	N/F HC ROLESVILLE INVESTMENTS LLC PIN: 1757571035 DB: 19587 PG: 1804 ZONING: R-30 (WC) USE: SF	45	N/F MITCHELL MILL ROAD INVESTORS PIN: 1757738451 DB: 11505 PG: 2324 ZONING: R-30 (WC) USE: SF
34	N/F GRO PEG PROPERTIES LLC PIN: 1757664956 DB: 20-E PG: 1940 BM 1982 PG 581 ZONING: R-30 (WC) USE: VA	46	N/F SOUTHVIEW INVESTMENT LLC PIN: 1757738451 DB: 19248 PG: 2000 ZONING: R-30 (WC) USE: SF
35	N/F GRO PEG PROPERTIES LLC PIN: 1757668730 DB: 19081 PG: 2786 BM 2022 PG 1203 ZONING: R-30 (WC) USE: VA	47	N/F MITCHELL MILL ROAD INVESTORS PIN: 1757738451 DB: 11505 PG: 2324 BM 1990 PG 511 ZONING: R-30 (WC) USE: SF
36	N/F VILLANUEVA, PHILIP SHELLEY VILLANUEVA, NADIA SULTA PIN: 1757665301 DB: 19104 PG:1732 BM 2022 PG 1203 ZONING: R-30 (WC) USE: SF	48	N/F JONES, CHARLES SPENCER PIN: 1757944104 DB: 16822 PG: 904 BM 2016 PG 1736 ZONING: R-30 (WC) USE: AG

DEMOLITION KEYNOTES:

1. EXISTING BUILDING TO BE REMOVED.
2. EXISTING TREES TO BE REMOVED.
3. EXISTING ROAD OR DRIVEWAY TO BE REMOVED.



VICINITY MAP
1" = 1000'

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 320 — 5' CONTOUR
- 1' CONTOUR
- EXISTING STREAM
- EXISTING BUFFER
- 100YR — 100 YR FLOOD LINE
- 500YR — 500 YR FLOOD LINE
- FLOODWAY LINE
- 8" SAN — EXISTING 8" SANITARY SEWER
- WTLD — EXISTING WETLAND
- EXISTING FIRE HYDRANT

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
DEMOLITION PLAN

DRAWING SHEET
C-4.0

PROGRESS PLOT DATE: 05/08/2025

CLUSTER OPTION OPEN SPACE				
RM-CZ CLUSTER DEVELOPMENT	CODE SECTION	SF	AC	%
NET ACREAGE		4,986,317	114.47	100.00%
REQUIRED OPEN SPACE	SECTION 3.1.B.1	1,994,527	45.79	40.00%
PROPOSED OPEN SPACE		2,556,235	58.68	51.26%

BREAKDOWN OPEN SPACE	SF	AC
1. BUFFER THOROUGHFARE	47,585	1.09
2. BUFFER PERIMETER	121,750	2.79
3. DUKE POWER EASEMENT^*	804,856	18.48
4. NATURAL WETLAND/BUFFERS*	818,982	18.80
5. SCMs	210,131	4.82
6. CONTIGUOUS PARK SPACES	481,142	11.05
7. PLAYGROUND	15,332	0.35
8. GREENWAY^	56,457	1.30
* AREA OF OVERLAP DUKE EASEMENT AND NATURAL WETLAND/BUFFERS	177,514	4.08
^ AREA OF OVERLAP DUKE EASEMENT AND GREENWAY	1,800	0.04

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2008, PG 2198)

PRIVATE OFFSITE DRIVEWAY 1 FOR PIN # 1757657746

PRIVATE OFFSITE DRIVEWAY 2 FOR PIN # 1757658917

PLUTON RIDGE DRIVE
60' PUBLIC R/W

SLATE SPRINGS STREET
50' PUBLIC R/W

1. THOROUGHFARE BUFFER,TYP.

3. DUKE POWER EASEMENT, TYP.

STREET 'A'
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

MANLY FARM RD

BOULDER MILL DRIVE
70' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

4. NATURAL WETLAND/BUFFERS,TYP.

5. SCM,TYP.

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

IGNEOUS STREET
50' PUBLIC R/W

AMENITY CENTER WITH MAIL KIOSK

BOULDER MILL DRIVE
50' PUBLIC R/W

6. CONTINUOUS OPEN SPACE,TYP.

7. PLAYGROUND

FLATROCK RIDGE STREET
50' PUBLIC R/W

180.0' DUKE ENERGY POWERLINE EASEMENT

LAVA STREET
50' PUBLIC R/W

8. GREENWAY, TYP.

MAGMA CHAMBER WAY
50' PUBLIC R/W

7. PLAYGROUND

2. PERIMETER BUFFER,TYP.

LIMESTONE WALL LANE
50' PUBLIC R/W

LEGEND:

- EXISTING PROPERTY LINE
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- ROLESVILLE STANDARD VALLEY CURB
- OPEN SPACE

NOTES:

* PER TOWN OF ROLESVILLE LDO 3.1.B.1 OPEN SPACE WITHIN CLUSTER DEVELOPMENT SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY
01.	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

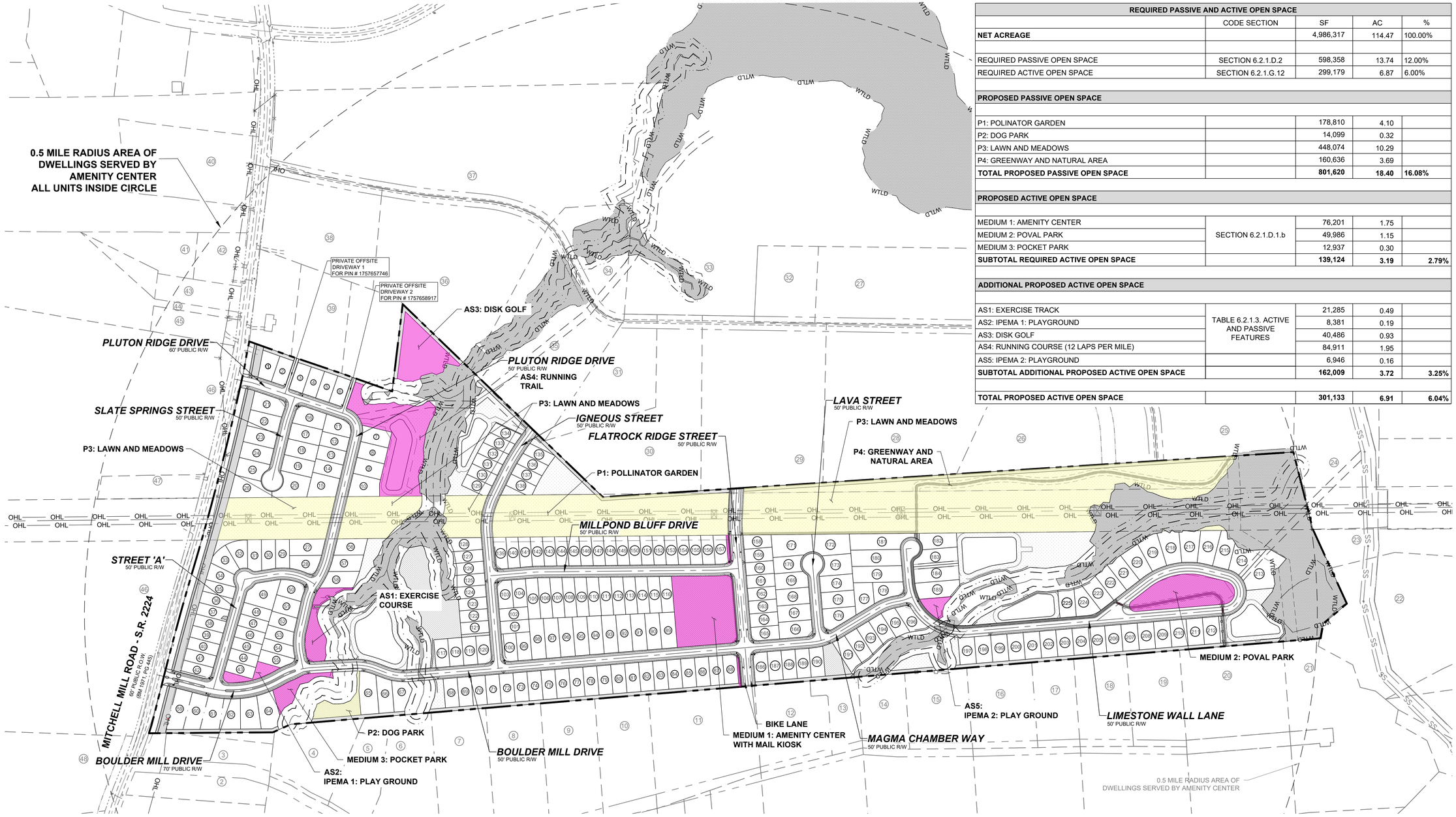
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OVERALL OPEN SPACE PLAN

DRAWING SHEET
C-5.0

18 OF 128



REQUIRED PASSIVE AND ACTIVE OPEN SPACE				
	CODE SECTION	SF	AC	%
NET ACREAGE		4,986,317	114.47	100.00%
REQUIRED PASSIVE OPEN SPACE	SECTION 6.2.1.D.2	598,358	13.74	12.00%
REQUIRED ACTIVE OPEN SPACE	SECTION 6.2.1.G.12	299,179	6.87	6.00%
PROPOSED PASSIVE OPEN SPACE				
P1: POLINATOR GARDEN		178,810	4.10	
P2: DOG PARK		14,099	0.32	
P3: LAWN AND MEADOWS		448,074	10.29	
P4: GREENWAY AND NATURAL AREA		160,636	3.69	
TOTAL PROPOSED PASSIVE OPEN SPACE		**801,620**	**18.40**	**16.08%**
PROPOSED ACTIVE OPEN SPACE				
MEDIUM 1: AMENITY CENTER	SECTION 6.2.1.D.1.b	76,201	1.75	
MEDIUM 2: POVAL PARK		49,986	1.15	
MEDIUM 3: POCKET PARK		12,937	0.30	
SUBTOTAL REQUIRED ACTIVE OPEN SPACE		**139,124**	**3.19**	**2.79%**
ADDITIONAL PROPOSED ACTIVE OPEN SPACE				
AS1: EXERCISE TRACK	TABLE 6.2.1.3. ACTIVE AND PASSIVE FEATURES	21,285	0.49	
AS2: IPEMA 1: PLAYGROUND		8,381	0.19	
AS3: DISK GOLF		40,486	0.93	
AS4: RUNNING COURSE (12 LAPS PER MILE)		84,911	1.95	
AS5: IPEMA 2: PLAYGROUND		6,946	0.16	
SUBTOTAL ADDITIONAL PROPOSED ACTIVE OPEN SPACE		**162,009**	**3.72**	**3.25%**
TOTAL PROPOSED ACTIVE OPEN SPACE		**301,133**	**6.91**	**6.04%**

LEGEND:

- EXISTING PROPERTY LINE
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- ROLESVILLE STANDARD VALLEY CURB
- PROPOSED ACTIVE OPEN SPACE
- PROPOSED PASSIVE OPEN SPACE
- OPEN SPACE
- WTLD / WTLD — EXISTING WETLAND

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

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(IN FEET)
1 inch = 200 ft.

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02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

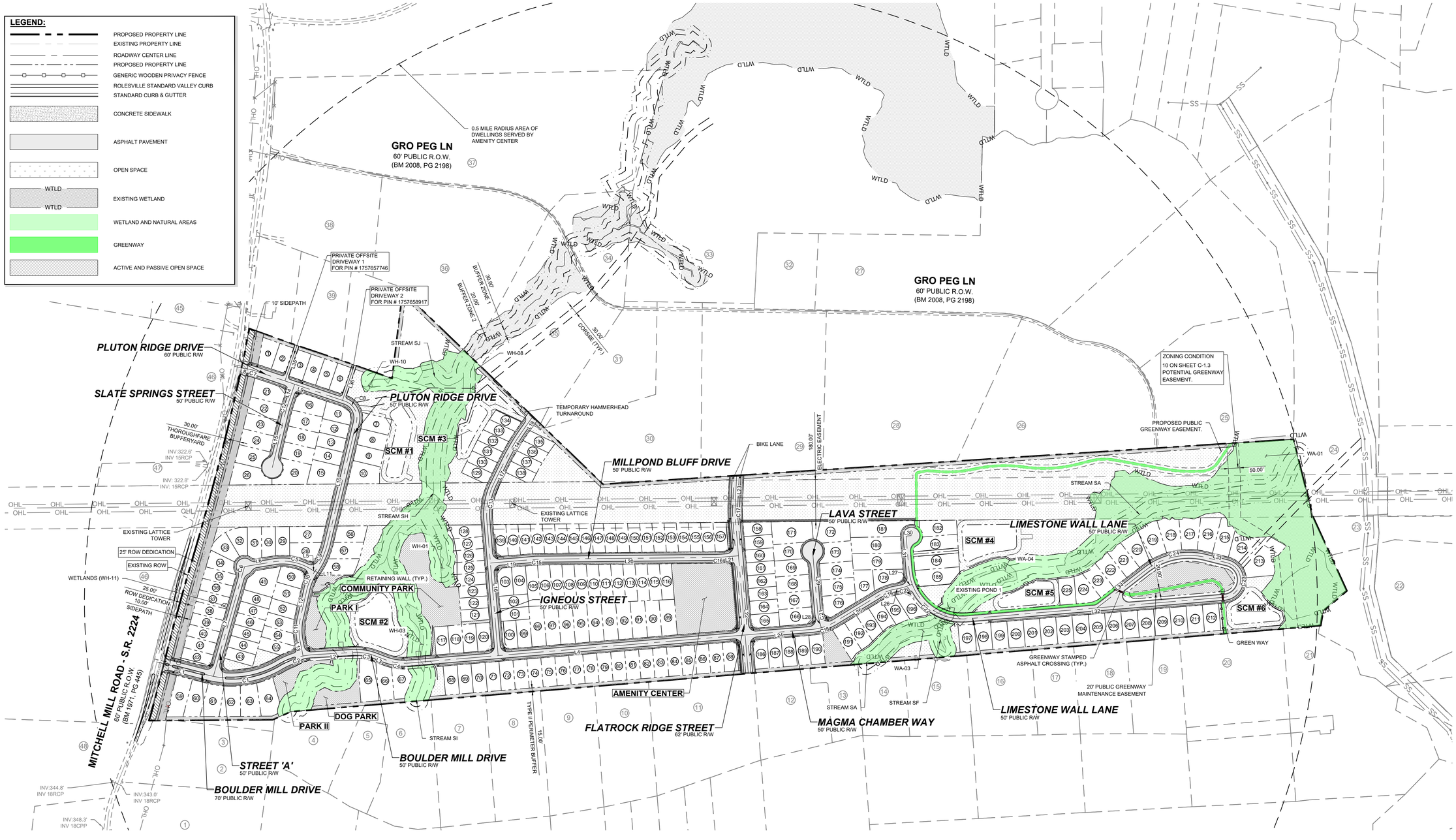
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
PASSIVE & ACTIVE OPEN SPACE REQUIREMENTS

DRAWING SHEET
C-5.1

PROGRESS PLOT DATE: 05/08/2025

LEGEND:

- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- GENERIC WOODEN PRIVACY FENCE
- ROLESVILLE STANDARD VALLEY CURB
- STANDARD CURB & GUTTER
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- OPEN SPACE
- EXISTING WETLAND
- WETLAND AND NATURAL AREAS
- GREENWAY
- ACTIVE AND PASSIVE OPEN SPACE



LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	BOULDER MILL DRIVE	227.78'	N14°23'07"E	10+00.00	12+27.78
L2	BOULDER MILL DRIVE	171.29'	N3°15'35"W	16+95.83	18+67.11
L3	BOULDER MILL DRIVE	46.26'	N20°52'47"E	19+64.02	20+10.27
L4	BOULDER MILL DRIVE	1444.35'	N4°46'37"W	21+13.27	35+57.62
L5	STREET 'A'	10.69'	S33°58'07"W	10+00.00	10+10.69
L6	STREET 'A'	126.65'	S9°19'03"E	11+84.45	13+11.10
L7	STREET 'A'	461.23'	S74°09'09"E	13+38.94	18+00.17
L8	PLUTON RIDGE DRIVE	60.45'	N11°02'59"E	10+00.00	10+60.45
L9	PLUTON RIDGE DRIVE	405.93'	N18°40'39"E	10+91.07	14+97.00
L10	PLUTON RIDGE DRIVE	535.12'	S76°33'51"E	16+07.95	21+43.06
L11	PLUTON RIDGE DRIVE	3.56'	S55°36'17"E	22+71.10	22+74.66
L12	PLUTON RIDGE DRIVE	125.48'	S77°12'49"E	23+61.41	24+86.88
L13	PLUTON RIDGE DRIVE	67.55'	N78°55'32"E	25+82.67	26+50.22
L14	SLATE SPRINGS STREET	87.99'	S71°19'21"E	10+00.00	10+87.99

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L15	SLATE SPRINGS STREET	236.45'	S76°33'51"E	11+33.73	13+70.18
L16	IGNEOUS STREET	582.32'	S85°13'23"W	10+00.00	15+82.32
L17	IGNEOUS STREET	102.30'	N63°56'33"W	17+43.78	18+46.07
L18	IGNEOUS STREET	62.35'	N54°20'54"W	20+13.53	20+75.88
L19	MILLPOND BLUFF DRIVE	180.09'	N4°46'37"W	10+00.00	11+80.09
L20	MILLPOND BLUFF DRIVE	745.99'	N0°32'49"W	12+17.01	19+62.99
L21	MILLPOND BLUFF DRIVE	76.59'	N4°46'37"W	19+86.62	20+63.21
L22	FLATROCK RIDGE STREET	655.17'	S85°13'23"W	10+00.00	16+55.17
L23	FLATROCK RIDGE STREET	121.47'	N87°11'53"W	17+27.93	18+49.40
L24	MAGMA CHAMBER WAY	286.51'	N4°46'37"W	10+00.00	12+86.51
L25	MAGMA CHAMBER WAY	215.68'	N31°18'13"W	13+90.41	16+06.08
L26	MAGMA CHAMBER WAY	0.32'	N9°08'16"W	16+95.06	16+95.38
L27	MAGMA CHAMBER WAY	21.20'	N20°41'33"W	17+41.77	17+62.97
L28	LAVA STREET	32.86'	S74°56'32"W	10+00.00	10+32.86

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L29	LAVA STREET	256.67'	S85°13'23"W	10+74.14	13+30.80
L30	LIMESTONE WALL LANE	23.00'	S4°46'37"E	10+00.00	10+23.00
L31	LIMESTONE WALL LANE	144.55'	N85°13'23"E	10+23.00	11+67.55
L32	LIMESTONE WALL LANE	1106.79'	N4°46'37"W	15+28.83	26+35.62
L33	LIMESTONE WALL LANE	94.19'	S14°07'11"W	28+46.51	29+40.69
L34	LIMESTONE WALL LANE	265.67'	S37°42'28"E	32+12.06	34+77.73
L35	PRIVATE OFF-SITE DRIVEWAY 1	160.00'	N71°19'21"W	10+00.00	11+60.00
L36	PRIVATE OFF-SITE DRIVEWAY 2	159.13'	N71°19'21"W	10+00.00	11+59.13

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	BOULDER MILL DRIVE	400.00'	314.82'	306.76'	N8°08'49"W	12+27.78	15+42.60
C2	BOULDER MILL DRIVE	320.00'	153.22'	151.76'	N16°58'37"W	15+42.60	16+95.82
C3	BOULDER MILL DRIVE	230.00'	96.90'	96.19'	N8°48'36"E	18+67.11	19+64.01
C4	BOULDER MILL DRIVE	230.00'	102.99'	102.13'	N8°03'05"E	20+10.27	21+13.26
C5	STREET 'A'	230.00'	173.76'	169.66'	S12°19'32"W	10+10.69	11+84.45
C6	STREET 'A'	500.00'	27.84'	27.84'	S72°33'26"E	13+11.10	13+38.94
C7	PLUTON RIDGE DRIVE	230.00'	30.62'	30.60'	N14°51'49"E	10+60.45	10+91.07
C8	PLUTON RIDGE DRIVE	75.00'	110.95'	101.11'	N61°03'24"E	14+97.00	16+07.95
C9	PLUTON RIDGE DRIVE	350.00'	128.03'	127.32'	S66°05'04"E	21+43.06	22+71.09
C10	PLUTON RIDGE DRIVE	230.00'	86.74'	86.23'	S66°24'33"E	22+74.66	23+61.40
C11	PLUTON RIDGE DRIVE	230.00'	95.78'	95.09'	S89°08'38"E	24+86.88	25+82.67
C12	SLATE SPRINGS STREET	500.00'	45.74'	45.72'	S73°56'36"E	10+87.99	11+33.73
C13	IGNEOUS STREET	300.00'	161.45'	159.51'	N79°21'35"W	15+82.32	17+43.77
C14	IGNEOUS STREET	1000.00'	167.45'	167.26'	N59°08'44"W	18+46.07	20+13.52

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C15	MILLPOND BLUFF DRIVE	500.00'	36.91'	36.91'	N2°39'43"W	11+80.09	12+17.00
C16	MILLPOND BLUFF DRIVE	320.00'	23.62'	23.62'	N2°39'43"W	19+62.99	19+86.62
C17	FLATROCK RIDGE STREET	550.00'	72.75'	72.70'	S89°00'45"W	16+55.17	17+27.92
C18	MAGMA CHAMBER WAY	230.00'	103.89'	103.01'	N17°43'03"W	12+86.51	13+90.40
C19	MAGMA CHAMBER WAY	230.00'	88.98'	88.43'	N20°13'14"W	16+06.08	16+95.06
C20	MAGMA CHAMBER WAY	230.00'	46.38'	46.31'	N14°54'54"W	16+95.38	17+41.77
C21	LAVA STREET	230.00'	41.27'	41.22'	S80°04'57"W	10+32.86	10+74.13
C22	LIMESTONE WALL LANE	230.00'	361.28'	325.27'	N40°13'23"E	11+67.55	15+28.83
C23	LIMESTONE WALL LANE	75.00'	210.88'	147.97'	N85°19'43"W	26+35.62	28+46.50
C24	LIMESTONE WALL LANE	300.00'	271.37'	262.21'	S11°47'39"E	29+40.69	32+12.06

LOT SIZE MINIMUMS	LOT
A: 51' x 118'	75
B: 60' x 117'	68
C: 70' x 115'	82
TOTAL	225

NOTES:
THIS IS A SINGLE PHASE PROJECT.
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS.

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VZ-CID-24-07	02/03/2025	SREG

SEAL:

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

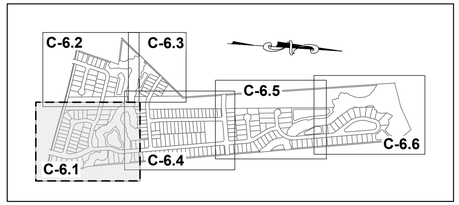
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

OVERALL SITE PLAN

DRAWING SHEET
C-6.0

20 OF 128



SITE KEY PLAN

LEGEND:

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

1 - On a later sheet it is clear where the electric easement is; show the width of the electric easement on all sheets for clarity.

2 - The Town does not want or support these eyebrow bubbles. This is new and was not on the previous 2 submittals, nor the concept plan and should be removed.

3 - The number of mid-block crossings should be limited for a through street. Please review and revise accordingly.

Mid-block crossings should have the appropriate striping and signage to notify drivers.

MATCH LINE
FOR CONTINUATION, SEE C-6.2

MATCH LINE
FOR CONTINUATION, SEE C-6.4

ELECTRIC EASEMENT

PLUTON RIDGE DRIVE
50' PUBLIC R/W

STREET 'A'
50' PUBLIC R/W

BOULDER MILL DRIVE
70' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
80' PUBLIC R.O.W.
(BM 1971, PG 445)

MANLY FARM RD

EXISTING ROW

25' ROW DEDICATION

10.00' SIDEPATH

30.00' THOROUGHFARE BUFFERYARD

WETLANDS (WH-11)

WH-01

WH-03

STREAM SH

STREAM SI

SCM MAINTENANCE EASEMENT

20.00' BUFFER ZONE 2

30.00' BUFFER ZONE 1

20' PUBLIC DRAINAGE EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

25'x25' SIGHT TRIANGLE (TYP.)

RETAINING WALL (TYP.)

FENCE (TYP.)

SIDEWALK (TYP.)

TYPE II PERIMETER BUFFER

TEMPORARY CONSTRUCTION EASEMENT

POWER POLE TO BE RELOCATED BY POWER COMPANY.

27	10,225 SF	
28	8,580 SF	
29	7,388 SF	
30	7,702 SF	
31	7,973 SF	
32	7,970 SF	
33	7,937 SF	
34	7,295 SF	
35	6,823 SF	
36	6,841 SF	
37	6,841 SF	
38	6,829 SF	
39	6,804 SF	
40	6,768 SF	
41	6,784 SF	
42	6,987 SF	
43	6,375 SF	
44	6,375 SF	
45	6,375 SF	
46	6,375 SF	
47	6,375 SF	
48	6,375 SF	
49	13,110 SF	
50	8,054 SF	20' PUBLIC DRAINAGE EASEMENT
51	8,058 SF	
52	7,062 SF	
53	7,083 SF	
54	7,058 SF	
55	7,058 SF	
56	9,017 SF	
57	9,117 SF	
58	9,714 SF	
59	12,164 SF	
60	10,869 SF	
61	10,304 SF	
62	10,471 SF	
63	10,770 SF	
64	11,896 SF	
65	13,533 SF	
66	9,775 SF	
67	8,732 SF	
68	7,500 SF	
116	7,200 SF	
117	7,200 SF	

PARK I
21,285 SF
0.49 AC

PARK II
12,937 SF
0.30 AC

DOG PARK
14,086 SF
0.32 AC

SCM #2
33,279 SF
0.76 AC

COMMUNITY PARK
53,663 SF
1.23 AC

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES, ET,AL
PIN: 1757856303
DB: 13359 PG: 400
ZONING: R-30 (WC) USE: AG

N/F
JONES PROPERTI
PIN: 17578567
DB: 12895 PG:
BM: 1993 PG:
ZONING: R-30 (WC)

N/F
JONES, CHARLES SPENCER
PIN: 1757857937
DB: 9320 PG: 1460
BM 1993 PG 446
ZONING: R-30 (WC) USE: SF

N/F
ANDERSON, BOBBY G
PIN: 1757868104
DB: 8776 PG: 573
BM 1993 PG 446
ZONING: R-30 (WC) USE: MO

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

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

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No.	REVISIONS	DATE	BY
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02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL:

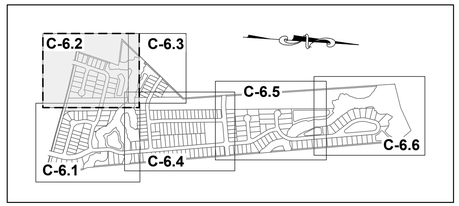
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STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SITE PLAN I

DRAWING SHEET
C-6.1



SITE KEY PLAN

LEGEND:

SEE SHEET C-6.0 FOR LEGEND, LINE AND CURVE TABLES

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

N/F
UTILITY THREE BUILDERS INC
PIN: 1757656231
DB: 18226 PG: 2104
ZONING: R-30 (WC) USE: SF

WILLIE RAY SUTTON AND WIFE, PAMELA Z. SUTTON
PIN: 1757657280
DB 2958 PG 536
BM 1981 PG 294
ZONING: R-30 (WC)
USE: SF

N/F
UTILITY THREE BUILDERS INC
PIN: 1757646703
DB: 18226 PG: 2104
BM: 1981 PG:895
ZONING: R-30 (WC)
USE: SF

N/F
PREDDY, GENADIUS MAC PREDDY, MATTIE F
PIN: 1757656586
DB: 1882 PG: 342
ZONING: R-30 (WC) USE: S

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
HAMPTON, MELODY L
PIN: 1757754163
DB: 4777 PG: 764
BM 1990 PG 511
ZONING: R-30 (WC) USE: SF

PLUTON RIDGE DRIVE
60' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

SLATE SPRINGS STREET
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

10' SIDEPATH

PRIVATE OFFSITE DRIVEWAY 1 FOR PIN # 1757657746

PRIVATE OFFSITE DRIVEWAY 2 FOR PIN # 1757658917

20.00' PRIVATE DRIVEWAY ACCESS EASEMENT

20' PUBLIC DRAINAGE EASEMENT

25'x25' SIGHT TRIANGLE (TYP.)

5.00' SIDEWALK (TYP.)

15.00' TYPE II PERIMETER BUFFER

BM 2017 PG 218

MATCH LINE
FOR CONTINUATION, SEE C-6.3

MATCH LINE
FOR CONTINUATION, SEE C-6.1

BUFFER ZONE 2 20.00'

BUFFER ZONE 1 30.00'

SCM #1
20,716 SF
0.48 AC

SCM MAINTENANCE EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

RETAINING WALL (TYP.)

ELECTRIC EASEMENT

STREAM SJ

STREAM SH

WH-10

WH-08

WTLD

25.00' ROW DEDICATION

30.00' THOROUGHFARE BUFFERYARD

10.00' SIDEPATH

25' ROW DEDICATION

EXISTING LATTICE TOWER, POWER COMPANY TO PROVIDE NECESSARY SAFETY MEASURES

4 - The section of Pluton Ridge Drive at Mitchell Mill Road is wider than the adjacent streets and has increased since the last submittal. Please explain why there is a need/requirements to have this section of street wider than the adjacent streets.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE 1ST CID-24-07	02/03/2025	SREG

SEAL:

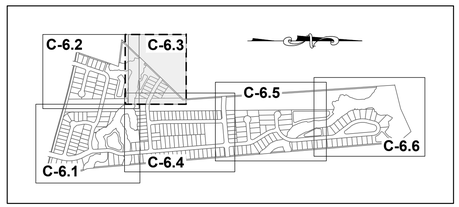
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	SRG
		DRAWN BY	SRG
		CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL SITE PLAN II

DRAWING SHEET
C-6.2

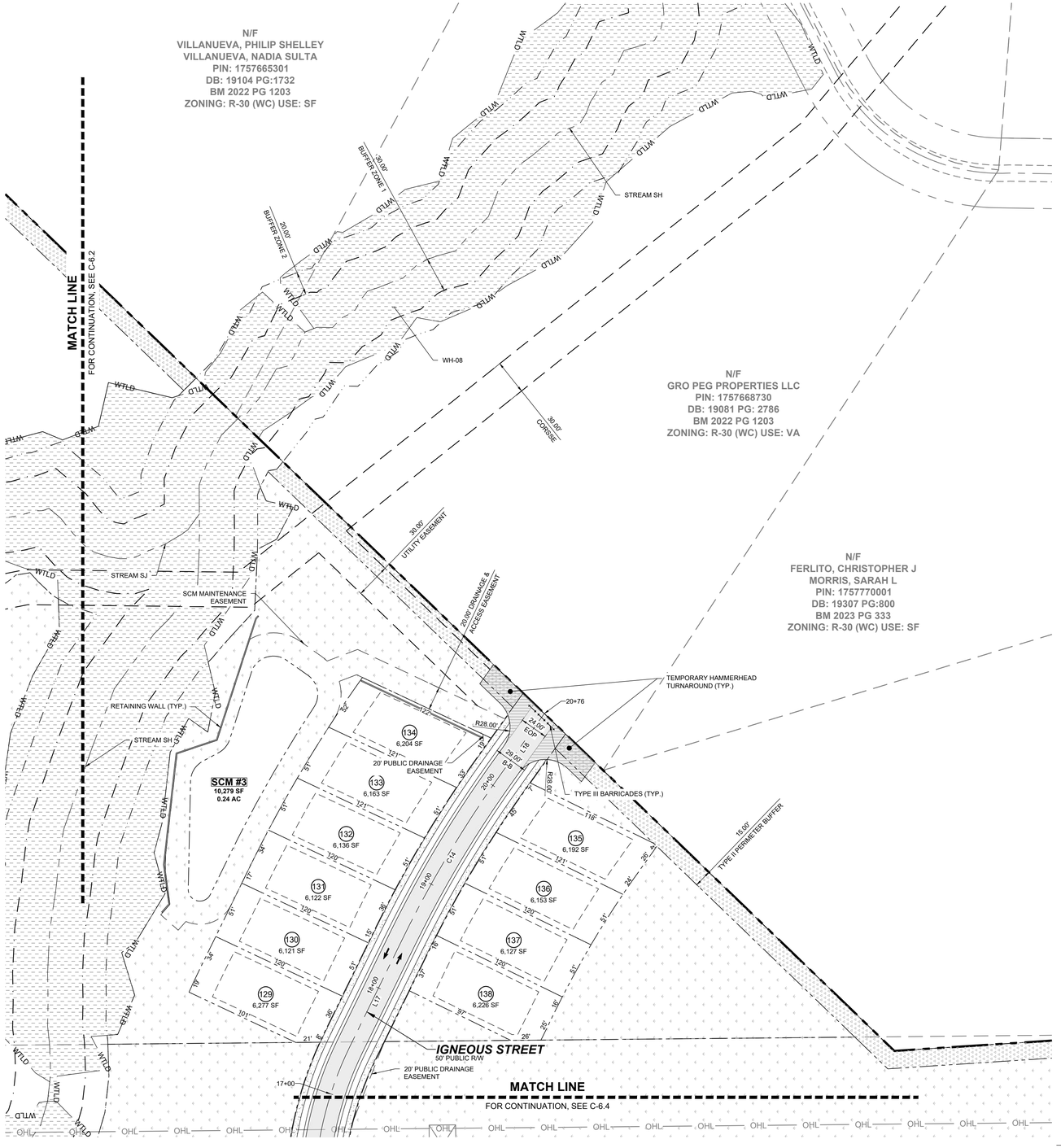
22 OF 128



SITE KEY PLAN

LEGEND:

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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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

No.	REVISIONS	DATE	BY
01.	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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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

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SITE PLAN III

DRAWING SHEET

C-6.3

SITE KEY PLAN

LEGEND:

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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL

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

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION		
	SCALE	AS SHOWN	
	DESIGNED BY	SRG	
	DRAWN BY	SRG	
	CHECKED BY	SRG	

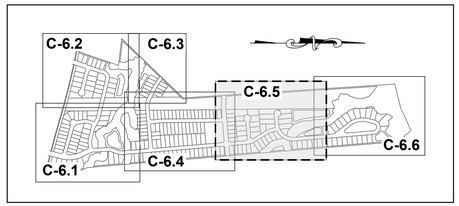
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS

PARTIAL SITE PLAN IV

DRAWING SHEET

C-6.4

24 OF 128



SITE KEY PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND:

SEE SHEET C-6.0 FOR LEGEND, LINE AND CURVE TABLES

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757780258
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: SF

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757781960
DB: 14863 PG: 2493
BM 2009 PG 645
ZONING: R-30 (WC) USE: VA

15.00' TYPE II PERIMETER BUFFER

30.00' GREENWAY EASEMENT (TYP.)

PROPOSED PUBLIC GREENWAY EASEMENT

GREENWAY (TYP.)

10.00' PUBLIC GREENWAY (TYP.)

180.0' ELECTRIC EASEMENT

DISTANCE FROM TOWER TO BACK OF CURB = 59'

DISTANCE FROM TOWER TO SIDEWALK = 49'

DISTANCE FROM TOWER TO SIDEWALK = 48'

DISTANCE FROM TOWER TO BACK OF CURB = 58'

46'
DISTANCE FROM TOWER TO PUBLIC GREENWAY

10 FT. HOA PRIVATE MULTI-USE PATH

FLATROCK RIDGE STREET
62' PUBLIC R/W

20' PRIVATE DRAINAGE EASEMENT

10' HOA AREA

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

LIMESTONE WALL LANE
50' PUBLIC R/W

LAVA STREET
50' PUBLIC R/W

MAGMA CHAMBER WAY
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-6.4

MATCH LINE
FOR CONTINUATION, SEE C-6.6

AMENITY CENTER
76,201 SF
1.75 AC

SCM #4
29,545 SF
0.68 AC

SCM #5
18,300 SF
0.42 AC

SCM MAINTENANCE EASEMENT

20' DRAINAGE & ACCESS EASEMENT

RETAINING WALL (TYP.)

STREAM SA

WA-04

WA-03

EXISTING POND 1

20' PUBLIC DRAINAGE EASEMENT

20' PUBLIC DRAINAGE EASEMENT

5.00' WATERLINE EASEMENT (TYP.)

TYPE III BARRICADES (TYP.)

BUFFER ZONE 1 30.0'

BUFFER ZONE 2 20.0'

5 - Confirm why sidewalk just ends and does not continue. It previously did.

N/F
LEFRANCOIS, STEPHEN D
PIN: 1757874787
DB: 5638 PG: 497
ZONING: R-30 (WC) USE: SF

N/F
ADAMS, BENJAMIN ADAMS, WHITNEY
PIN: 1757874938
DB: 18930 PG: 1511
BM 2006 PG 2397
ZONING: R-30 (WC) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1757884137
DB: 11404 PG: 2275
BM 1986 PG 01374
ZONING: R-30 (WC) USE: MO

N/F
JONES PROPERTIES LLC
PIN: 1757884420
DB: 12589 PG: 1045
BM 1986 PG 1374
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757884608
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

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No.	DATE	BY
01	11/01/2024	SREG
02	02/03/2025	SREG

REVISIONS

TOWN OF ROLESVILLE CID-24-07
TOWN OF ROLESVILLE VC-CID-24-07

SEAL:

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

STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
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	DESIGNED BY	SRG	
	DRAWN BY	SRG	
	CHECKED BY	SRG	

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

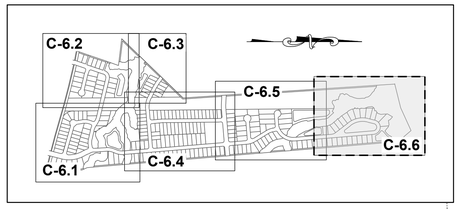
PARTIAL SITE PLAN V

DRAWING SHEET

C-6.5

25 OF 128

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND:

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

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757790646
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: VA

ZONING CONDITION
10 ON SHEET C-1.3
POTENTIAL GREENWAY EASEMENT.

N/F
JONES, CHARLES E
PIN: 1757694902
DB: 8581 PG: 2079
BM 2018 PG 390
ZONING: R-30 (WC) USE: VA

TYPE II PERIMETER BUFFER 15.00'

30.00' GREENWAY EASEMENT (TYP.)

10.00' PUBLIC GREENWAY (TYP.)

PROPOSED PUBLIC GREENWAY EASEMENT.

50.00'

WA-01

EX. MH-28
STA: 15+72.93
RIM=254.41
INV IN=238.91 (MH-29)
INV OUT=238.91 (MH-27)

40' EX. SANITARY SEWER EASEMENT

180.0' ELECTRIC EASEMENT

EX. MH-29
STA: 19+77.26
RIM=253.11
INV IN=240.26 (MH-30)
INV OUT=240.26 (MH-28)

N/F
FORRESTER, JENNIFER N
FORRESTER, HAYES G
PIN: 1758707313
DB: 12620 PG: 2172
ZONING: RL (RO) USE: SF

EX. MH-30
STA: 22+14.65
RIM=251.44
INV IN=241.00 (MH-31)
INV OUT=241.05 (MH-29)

EX. MH-31
STA: 25+39.42
RIM=252.21
INV IN=242.08 (MH-32)
INV OUT=242.08 (MH-30)

MATCH LINE
FOR CONTINUATION, SEE C-6.5

STREAM SA

BUFFER ZONE 2 20.00'

BUFFER ZONE 1 30.00'

LIMESTONE WALL LANE
50' PUBLIC R/W

5.00' SIDEWALK (TYP.)

218 11,200 SF
217 10,655 SF
216 11,312 SF
215 9,886 SF
214 11,288 SF
213 19,020 SF
220 10,297 SF
221 9,334 SF
222 9,268 SF
223 9,118 SF
224 9,393 SF
225 8,383 SF
219 11,455 SF

C24 C23 L33 L34 L32 R30.00'

20' PUBLIC DRAINAGE EASEMENT

20' PUBLIC GREENWAY MAINTENANCE EASEMENT (TYP.)

GREENWAY STAMPED ASPHALT CROSSING

SCM MAINTENANCE EASEMENT

SCM #5
18,300 SF
0.42 AC

SCM #6
18,199 SF
0.42 AC

RETAINING WALL (TYP.)

GREENWAY (TYP.)

202 6,050 SF
203 8,050 SF
204 8,050 SF
205 8,050 SF
206 8,050 SF
207 8,050 SF
208 8,050 SF
209 8,050 SF
210 8,050 SF
211 8,050 SF
212 8,050 SF

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757894101
DB: 2590 PG: 622
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757893394
DB: 2478 PG: 210
ZONING: R-30 (WC) USE: MO

N/F
RGA CONSULTING LLC
PIN: 757893646
DB: 15770 PG: 1169
BM 2010 PG 725
ZONING: R-30 (WC) USE: VA

N/F
JONES PROPERTIES LLC
PIN: 1758805144
DB: 11187 PG: 542
BM 1971 PG 445
ZONING: R-30 (WC) USE: SF

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SITE PLAN VI

DRAWING SHEET
C-6.6

26 OF 128

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
1	7,971	60
2	7,147	62
3	7,200	60
4	7,200	60
5	7,200	60
6	7,182	60
7	8,485	70
8	8,400	70
9	8,400	70
10	10,952	98
11	8,103	60
12	7,200	60
13	7,200	60
14	7,200	60
15	11,361	85
16	9,908	81
17	9,446	70
18	9,450	70
19	9,450	70
20	12,802	148

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
21	10,517	72
22	9,499	70
23	9,458	70
24	9,465	70
25	9,577	83
26	12,283	110
27	10,225	72
28	8,580	87
29	7,388	60
30	7,702	61
31	7,973	64
32	7,970	45
33	7,937	44
34	7,295	58
35	6,823	51
36	6,841	51
37	6,841	51
38	6,829	51
39	6,804	51
40	6,768	51

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
41	6,784	52
42	6,987	54
43	6,375	51
44	6,375	51
45	6,375	51
46	6,375	51
47	6,375	51
48	6,375	51
49	13,110	107
50	8,054	75
51	8,058	73
52	7,062	62
53	7,083	60
54	7,058	55
55	7,058	80
56	9,017	72
57	9,117	73
58	9,714	80
59	12,164	70
60	10,869	70

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
61	10,304	70
62	10,471	73
63	10,770	74
64	11,896	76
65	13,533	75
66	9,775	71
67	8,732	80
68	7,500	60
69	7,500	60
70	7,500	60
71	7,500	60
72	7,500	60
73	7,500	60
74	7,500	60
75	7,500	60
76	7,500	60
77	7,500	60
78	7,500	60
79	7,500	60
80	7,500	60

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
81	7,500	60
82	7,500	60
83	7,500	60
84	7,500	60
85	7,500	60
86	7,500	60
87	7,500	60
88	7,470	60
89	10,138	66
90	9,659	62
91	9,790	62
92	9,921	62
93	10,052	62
94	10,183	62
95	10,314	62
96	10,446	62
97	10,577	62
98	10,708	62
99	7,200	60
100	7,426	63

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
101	6,613	54
102	6,642	54
103	7,452	63
104	7,201	60
105	9,092	52
106	9,077	52
107	8,970	52
108	8,863	52
109	8,755	52
110	8,647	52
111	8,539	52
112	8,431	52
113	8,324	52
114	8,216	52
115	8,108	52
116	8,000	52
117	7,200	60
118	7,200	60
119	7,200	60
120	7,066	59

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
121	6,120	51
122	6,120	51
123	6,127	51
124	7,066	51
125	6,830	51
126	6,376	51
127	6,501	51
128	8,111	51
129	6,277	53
130	6,121	51
131	6,122	51
132	6,136	51
133	6,163	51
134	6,204	52
135	6,192	52
136	6,153	51
137	6,127	51
138	6,226	53
139	7,223	54
140	6,881	52

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
141	6,681	52
142	6,530	52
143	6,518	52
144	6,518	52
145	6,518	52
146	6,518	52
147	6,518	52
148	6,518	52
149	6,518	52
150	6,518	52
151	6,518	52
152	6,518	52
153	6,518	52
154	6,518	52
155	6,518	52
156	6,643	52
157	6,930	56
158	6,904	60
159	6,960	58
160	6,600	55

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
161	6,600	55
162	6,600	55
163	6,600	55
164	6,960	58
165	6,962	59
166	10,016	70
167	9,940	70
168	9,940	70
169	9,589	76
170	8,384	73
171	15,665	76
172	13,910	74
173	10,732	96
174	9,940	70
175	9,940	70
176	9,993	92
177	9,489	92
178	8,774	56
179	14,881	70
180	14,881	70

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
181	16,381	89
182	10,197	90
183	12,207	89
184	13,438	70
185	12,282	72
186	7,500	61
187	7,500	60
188	7,500	60
189	7,500	60
190	7,562	60
191	8,930	60
192	8,420	60
193	7,701	60
194	7,529	63
195	7,604	64
196	7,978	62
197	8,094	70
198	8,050	70
199	8,050	70
200	8,050	70

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
201	8,050	70
202	8,050	70
203	8,050	70
204	8,050	70
205	8,050	70
206	8,050	70
207	8,050	70
208	8,050	70
209	8,050	70
210	8,050	70
211	8,050	70
212	8,050	70
213	19,020	75
214	11,288	75
215	9,886	70
216	11,312	70
217	10,655	70
218	11,200	70
219	11,455	70
220	10,297	70

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
221	9,334	70
222	9,268	70
223	9,118	70
224	9,393	99
225	8,383	70

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	SRG
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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

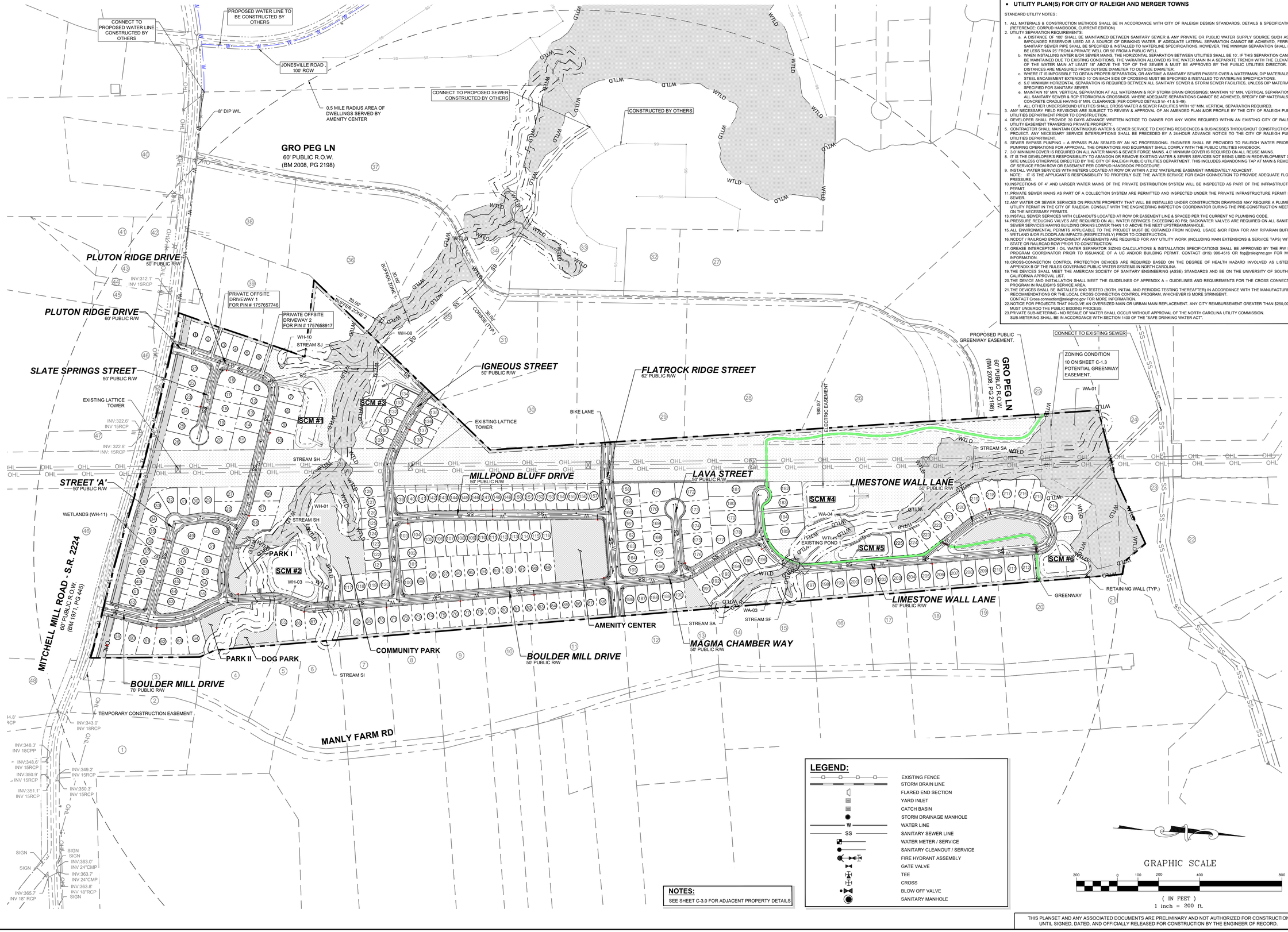
LOT SIZE TABLES

DRAWING
SHEET

C-6.7

27 OF 128

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STANDARD UTILITY NOTES:

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

STANDARD UTILITY NOTES :

1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
2. UTILITY SEPARATION REQUIREMENTS:
   a. A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
   b. WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
   c. WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
   d. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
   e. MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORMDRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W- 41 & S-49).
   f. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
4. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY.
5. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24-HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
6. SEWER BYPASS PUMPING – A BYPASS PLAN SEALED BY AN NC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL. THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE PUBLIC UTILITIES HANDBOOK.
7. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
8. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
9. INSTALL WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT.
   NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
10. INSPECTIONS OF 4" AND LARGER WATER MAINS OF THE PRIVATE DISTRIBUTION SYSTEM WILL BE INSPECTED AS PART OF THE INFRASTRUCTURE PERMIT.
11. PRIVATE SEWER MAINS AS PART OF A COLLECTION SYSTEM ARE PERMITTED AND INSPECTED UNDER THE PRIVATE INFRASTRUCTURE PERMIT FOR SEWER.
12. ANY WATER OR SEWER SERVICES ON PRIVATE PROPERTY THAT WILL BE INSTALLED UNDER CONSTRUCTION DRAWINGS MAY REQUIRE A PLUMBING UTILITY PERMIT IN THE CITY OF RALEIGH. CONSULT WITH THE ENGINEERING INSPECTION COORDINATOR DURING THE PRE-CONSTRUCTION MEETING ON THE NECESSARY PERMITS.
13. INSTALL SEWER SERVICES WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED PER THE CURRENT NC PLUMBING CODE.
14. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAMMANHOLE.
15. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
16. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
17. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC AND/OR BUILDING PERMIT. CONTACT (919) 996-4516 OR fog@raleighnc.gov FOR MORE INFORMATION.
18. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON THE DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA.
19. THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST.
20. THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPENDIX A – GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
21. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH, INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT.
    CONTACT Cross.connection@raleighnc.gov FOR MORE INFORMATION.
22. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN $250,000.00 MUST UNDERGO THE PUBLIC BIDDING PROCESS.
23. PRIVATE SUB-METERING - NO RESALE OF WATER SHALL OCCUR WITHOUT APPROVAL OF THE NORTH CAROLINA UTILITY COMMISSION.
    SUB-METERING SHALL BE IN ACCORDANCE WITH SECTION 1400 OF THE "SAFE DRINKING WATER ACT".

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- EXISTING FENCE
- STORM DRAIN LINE
- FLARED END SECTION
- YARD INLET
- CATCH BASIN
- STORM DRAINAGE MANHOLE
- W — WATER LINE
- SS — SANITARY SEWER LINE
- WATER METER / SERVICE
- SANITARY CLEANOUT / SERVICE
- FIRE HYDRANT ASSEMBLY
- GATE VALVE
- TEE
- CROSS
- BLOW OFF VALVE
- SANITARY MANHOLE

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL

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

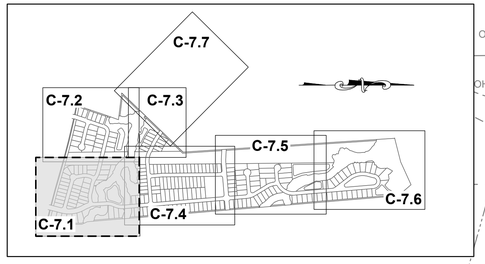
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

OVERALL UTILITY PLAN

DRAWING SHEET
C-7.0

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

MATCH LINE
FOR CONTINUATION, SEE C-7.2

MATCH LINE
FOR CONTINUATION, SEE C-7.4

ELECTRIC EASEMENT
4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
8" DIP W/L
FHA W/T 5'X5' CORWLE
8"x8" TEE W / (3) 8" GV
8" 11.25° BEND
12"x12" TEE W / (3) 12" GV
12"x8" TEE W / (2) 12" GV (1) 8" GV
12" 11.25° BEND
12" DIP W/L
12" BLOW OFF ASSEMBLY
10' SIDEPATH
25.00' ROW DEDICATION
30.00' THOROUGHFARE BUFFERYARD
TEMPORARY CONSTRUCTION EASEMENT
POWER POLE TO BE RELOCATED BY POWER COMPANY.
RETAINING WALL (TYP.)
SCM MAINTENANCE EASEMENT
20.00' BUFFER ZONE 2
30.00' BUFFER ZONE 1
15.00' TYPE II PERIMETER BUFFER

STREET 'A'
50' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

BOULDER MILL DRIVE
70' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
80' PUBLIC R.O.W.
(BM 1971, PG 445)

PARK I
PARK II
DOG PARK
SCM #2
COMMUNITY PARK

STREAM SH
STREAM SI
WETLANDS (WH-11)
WH-01
WH-03

SSMH #08
SSMH #09
SSMH #10
SSMH #11
SSMH #12
SSMH #13
SSMH #14
SSMH #15
SSMH #17
SSMH #18
SSMH #19
SSMH #20
SSMH #21
SSMH #22
SSMH #23
SSMH #24
SSMH #25
SSMH #26
SSMH #27
SSMH #28

P #06 P #07 P #08 P #09 P #10 P #11 P #12 P #13 P #14 P #15 P #16 P #17 P #18 P #19 P #20 P #21 P #22 P #23 P #24 P #25 P #26 P #27 P #28

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES, ET,AL
PIN: 1757856303
DB: 13359 PG: 400
ZONING: R-30 (WC) USE: AG

N/F
JONES PROPERTIES LLC
PIN: 1757856755
DB: 12895 PG: 505
BM: 1993 PG: 446
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCER
PIN: 1757857937
DB: 9320 PG: 1460
BM 1993 PG 446
ZONING: R-30 (WC) USE: SF

N/F
ANDERSON, BOBBY G
PIN: 1757868104
DB: 8776 PG: 573
BM 1993 PG 446
ZONING: R-30 (WC) USE: MO

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VZ-CID-24-07	02/03/2025	SREG

SEAL:

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

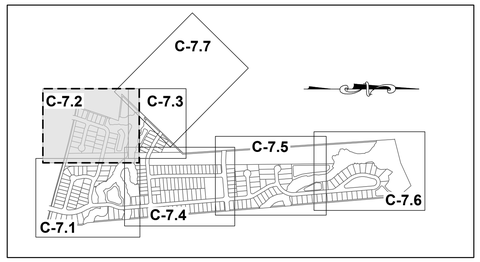
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN I

DRAWING SHEET
C-7.1

29 OF 128



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

N/F
UTILITY THREE BUILDERS INC
PIN: 1757656231
DB: 18226 PG: 2104
ZONING: R-30 (WC) USE: SF

WILLIE RAY SUTTON AND WIFE, PAMELA Z. SUTTON
PIN: 1757657280
DB 2958 PG 536
BM 1981 PG 294
ZONING: R-30 (WC)
USE: SF

N/F
UTILITY THREE BUILDERS INC
PIN: 1757646703
DB: 18226 PG: 2104
BM: 1981 PG:895
ZONING: R-30 (WC)
USE: SF

N/F
PREDDY, GENADIUS MAC PREDDY, MATTIE F
PIN: 1757656586
DB: 1882 PG: 342
ZONING: R-30 (WC) USE: S

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
HAMPTON, MELODY L
PIN: 1757754163
DB: 4777 PG: 764
BM 1990 PG 511
ZONING: R-30 (WC) USE: SF

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

PLUTON RIDGE DRIVE
60' PUBLIC R/W

SLATE SPRINGS STREET
50' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

PRIVATE OFFSITE DRIVEWAY 1
FOR PIN # 1757657746

PRIVATE OFFSITE DRIVEWAY 2
FOR PIN # 1757658917

15.00' TYPE I PERIMETER BUFFER

BUFFER ZONE 2 22.00'

BUFFER ZONE 1 30.00'

BM 2017 PG 218

MATCH LINE
FOR CONTINUATION, SEE C-7.3

MATCH LINE
FOR CONTINUATION, SEE C-7.1

12" DIP W/L
12"x8" TEE W / (2) 12" GV (1) 8" GV
8" 11.25° BEND
8" DIP W/L
SSMH #01
P #01
SSMH #04
8"x8" TEE W / (3) 8" GV
P #04
8" DIP W/L
8" 11.25° BEND
P #05
SSMH #32
8" 11.25° BEND
P #03
FHA W/T 5'X5' CORWLE
SSMH #03
SSMH #05
P #31
8" 11.25° BEND
SSMH #31
P #30
SSMH #30
8" 11.25° BEND
8" DIP W/L
P #02
FHA W/T 5'X5' CORWLE
8" DIP W/L
P #29
FHA W/T 5'X5' CORWLE
SSMH #29
8" DIP W/L
SSMH #02
8" BLOW OFF ASSEMBLY
P #28
P #32
P #33
SSMH #33
SCM MAINTENANCE EASEMENT
20.00' DRAINAGE & ACCESS EASEMENT
ELECTRIC EASEMENT
SCM #1
STREAM SJ
WH-10
WH-08
4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
25.00' ROW DEDICATION
10.00' SIDEPATH
30.00' THOROUGHFARE BUFFERYARD
INV:312.1'
INV 15RCP
INV:322.6'
INV 15RCP
INV: 322.8'
INV: 15RCP
EXISTING LATTICE TOWER, POWER COMPANY TO PROVIDE NECESSARY SAFETY MEASURES
OHL
W
SS
WTLD

No.	REVISIONS	DATE	BY
01.	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02.	TOWN OF ROLESVILLE TP-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

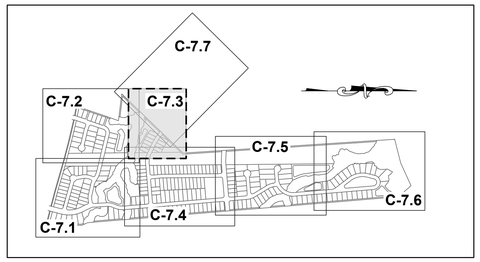
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN II

DRAWING SHEET
C-7.2

30 OF 128

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



SITE KEY PLAN

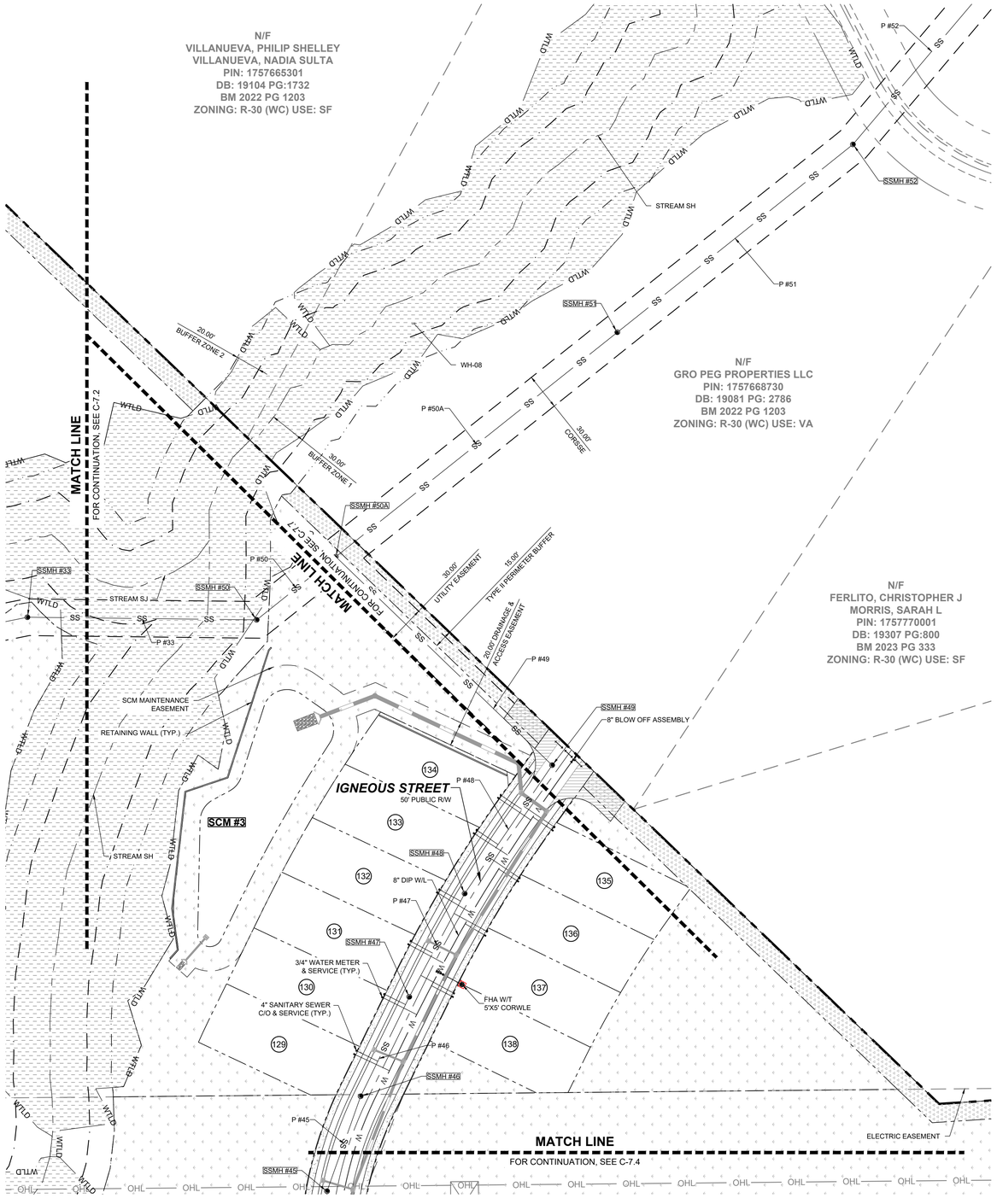
LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



No.	REVISIONS	DATE	BY
01.	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02.	TOWN OF ROLESVILLE VZ-CID-24-07	02/03/2025	SREG

SEAL:

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

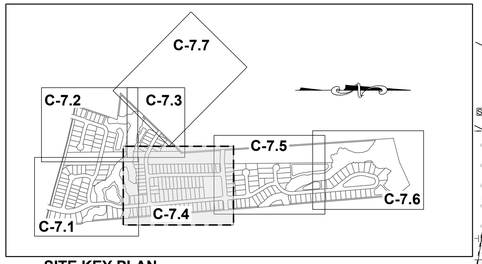
STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	SRG
		DRAWN BY	SRG
		CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL UTILITY PLAN III

DRAWING SHEET
C-7.3

31 OF 128

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

MATCH LINE
FOR CONTINUATION, SEE C-7.3

MATCH LINE
FOR CONTINUATION, SEE C-7.1

MATCH LINE
FOR CONTINUATION, SEE C-7.5

FLATROCK RIDGE STREET
62' PUBLIC R/W

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

IGNEOUS STREET
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MAGMA CHAMBER WAY
50' PUBLIC R/W

COMMUNITY PARK

AMENITY CENTER

EXISTING LATTICE TOWER

RETAINING WALL (TYP.)

20.00' BUFFER ZONE 2

30.00' BUFFER ZONE 1

15.00' TYPE II PERIMETER BUFFER

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

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

8" BLOW OFF ASSEMBLY

8" DIP W/L

12" DIP W/L

FHA W/T 5'X5' CORWLE

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

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

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

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

N/F
GOLD, SHARIE
PIN: 1757866660
DB: PG:
BM 1990 PG 00623
ZONING: R-30 (WC) USE: SF

N/F
LEFRANCOIS CONSTRUCTION CO INC
PIN: 1757866852
DB: 18468 PG: 2535
BM 2002 PG 352
ZONING: R-30 (WC) USE: VA

N/F
LEFRANCOIS, MICHAEL L LEFRANCOIS, TONIA
PIN: 1757876015
DB: 14356 PG: 1438
BM 2002 PG 352
ZONING: R-30 (WC) USE: SF

N/F
BEATTIE, LENORA M
PIN: 1757875349
DB: 07-E PG: 2834
ZONING: R-30 (WC) USE: SF

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

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No.	DATE	BY
01	11/01/2024	SREG
02	02/03/2025	SREG

REVISIONS

TOWN OF ROLESVILLE CID-24-07
TOWN OF ROLESVILLE VC-CID-24-07

SEAL:

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

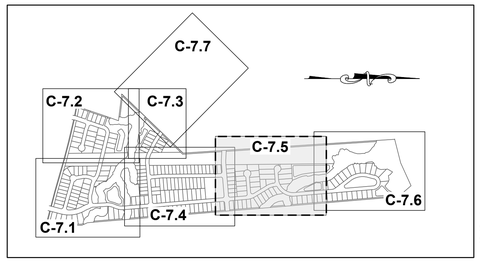
STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
	SCALE	AS SHOWN	
	DESIGNED BY	SRG	
	DRAWN BY	SRG	
	CHECKED BY	SRG	

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN IV

DRAWING SHEET
C-7.4

32 OF 128



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757780258
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: SF

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757781960
DB: 14863 PG: 2493
BM 2009 PG 645
ZONING: R-30 (WC) USE: VA

15.00' TYPE II PERIMETER BUFFER

P4: GREENWAY AND NATURAL AREA

10.00' PUBLIC GREENWAY (TYP.)

30.00' PROPOSED PUBLIC GREENWAY EASEMENT

180.0' ELECTRIC EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-7.6

8" BLOW OFF ASSEMBLY

FLATROCK RIDGE STREET
62' PUBLIC R/W

SSMH #37
8" DIP W/L
P #37
P #39
SSMH #39
8"x8" TEE W / (3) 8" GV
MILLPOND BLUFF DRIVE
50' PUBLIC R/W
FHA W/T 5'X5' CORWLE
P #38
8" DIP W/L
MATCH LINE
FOR CONTINUATION, SEE C-7.4
AMENITY CENTER
FHA W/T 5'X5' CORWLE
SSMH #38
P #58
SSMH #60
P #59
P #62
8" 11.25" BEND
P #60
SSMH #61
12"x8" CROSS W / (2) 12" GV (2) 8" GV
12" DIP W/L
BOULDER MILL DRIVE
50' PUBLIC R/W
8" DIP W/L
8" BLOW OFF ASSEMBLY

SSMH #62
8" BLOW OFF ASSEMBLY
LAVA STREET
50' PUBLIC R/W
P #61
8" DIP W/L
SSMH #63
FHA W/T 5'X5' CORWLE
P #64
SSMH #66
P #65
SSMH #65
12" 11.25" BEND
P #63
12"x8" TEE W / (2) 12" GV (1) 8" GV
SSMH #64
12" 11.25" BEND
12" DIP W/L
MAGMA CHAMBER WAY
50' PUBLIC R/W
RETAINING WALL (TYP.)

SSMH #67
4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
8" BLOW OFF ASSEMBLY
20.00' DRAINAGE & ACCESS EASEMENT
SCM #4
SCM MAINTENANCE EASEMENT
RETAINING WALL (TYP.)
P #66
SSMH #68
8" 11.25" BEND
P #67
SSMH #69
8"x12" TEE W / (2) 8" GV (1) 12" GV
8" 11.25" BEND
P #68
SSMH #70
FHA W/T 5'X5' CORWLE
P #69
P #70
P #71
SSMH #71
WA-03
STREAM SA
STREAM SF
SSMH #72
P #72
8" DIP W/L
SSMH #73
SSMH #74
FHA W/T 5'X5' CORWLE
SCM #5
SCM MAINTENANCE EASEMENT
LIMESTONE WALL LANE
50' PUBLIC R/W

30.0' BUFFER ZONE 1
20.0' BUFFER ZONE 2

N/F
LEFRANCOIS, STEPHEN D
PIN: 1757874787
DB: 5638 PG: 497
ZONING: R-30 (WC) USE: SF

N/F
ADAMS, BENJAMIN ADAMS, WHITNEY
PIN: 1757874938
DB: 18930 PG: 1511
BM 2006 PG 2397
ZONING: R-30 (WC) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1757884137
DB: 11404 PG: 2275
BM 1986 PG 01374
ZONING: R-30 (WC) USE: MO

N/F
JONES PROPERTIES LLC
PIN: 1757884420
DB: 12589 PG: 1045
BM 1986 PG 1374
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757884608
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

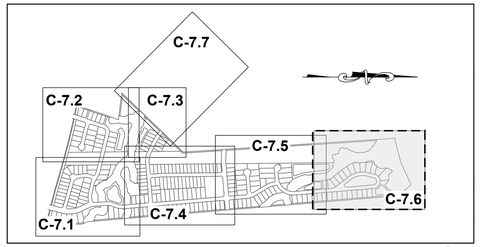
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN V

DRAWING SHEET
C-7.5

33 OF 128

PROGRESS PLOT DATE: 05/08/2025



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

MATCH LINE
FOR CONTINUATION, SEE C-7.5

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757790646
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES E
PIN: 1757694902
DB: 8581 PG: 2079
BM 2018 PG 390
ZONING: R-30 (WC) USE: VA

N/F
FORRESTER, JENNIFER N
FORRESTER, HAYES G
PIN: 1758707313
DB: 12620 PG: 2172
ZONING: RL (RO) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1758805144
DB: 11187 PG: 542
BM 1971 PG 445
ZONING: R-30 (WC) USE: SF

N/F
RGA CONSULTING LLC
PIN: 757893646
DB: 15770 PG: 1169
BM 2010 PG 725
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES SPENCE
PIN: 1757893394
DB: 2478 PG: 210
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757894101
DB: 2590 PG: 622
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

ZONING CONDITION
10 ON SHEET C-1.3
POTENTIAL GREENWAY EASEMENT.

15.00' TYPE II PERIMETER BUFFER
30.00' PROPOSED PUBLIC GREENWAY EASEMENT
10.00' PUBLIC GREENWAY (TYP.)
20.00' BUFFER ZONE 2
30.00' BUFFER ZONE 1
40' EX. SANITARY SEWER EASEMENT
180.0' ELECTRIC EASEMENT
30.00' CORRIDOR
20' PULIC GREENWAY MAINTENANCE EASEMENT
10.00'PUBLIC GREENWAY (TYP.)
GREENWAY
SCM MAINTENANCE EASEMENT
RETAINING WALL (TYP.)
STREAM SA
MEDIUM 2: POVAL PARK
SCM #5
SCM #6
LIMESTONE WALL LANE
50' PUBLIC R/W

EX. MH-28
STA: 15+72.93
RIM=254.41
INV IN=238.91 (MH-29)
INV OUT=238.91 (MH-27)

EX. MH-29
STA: 19+77.26
RIM=253.11
INV IN=240.26 (MH-30)
INV OUT=240.26 (MH-28)

EX. MH-30
STA: 22+14.65
RIM=251.44
INV IN=241.00 (MH-31)
INV OUT=241.05 (MH-29)

EX. MH-31
STA: 25+39.42
RIM=252.21
INV IN=242.08 (MH-32)
INV OUT=242.08 (MH-30)

P #72 P #73 P #74 P #75 P #76 P #77 P #78 P #79 P #80 P #81 P #82 P #83 P #84 P #85 P #86 P #87

SSMH #74 SSMH #75 SSMH #76 SSMH #77 SSMH #78 SSMH #79 SSMH #80 SSMH #81 SSMH #82 SSMH #83 SSMH #84 SSMH #85 SSMH #86 SSMH #87 SSMH #88

8" DIP W/L
8" 45° BEND
8" 22.5° BEND
8" 11.25° BEND
3/4" WATER METER & SERVICE (TYP.)
4" SANITARY SEWER C/O & SERVICE (TYP.)
FHA W/T 5'X5' CORWLE
FHA
8"x8" TEE W / (3) 8" GV

No.	DATE	BY
01	11/01/2024	SREG
02	02/03/2025	SREG

REVISIONS

TOWN OF ROLESVILLE CID-24-07
TOWN OF ROLESVILLE VZ-CID-24-07

SEAL:

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

STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
	SCALE	AS SHOWN	
	DESIGNED BY	SRG	SRG
	DRAWN BY	SRG	SRG
	CHECKED BY	SRG	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

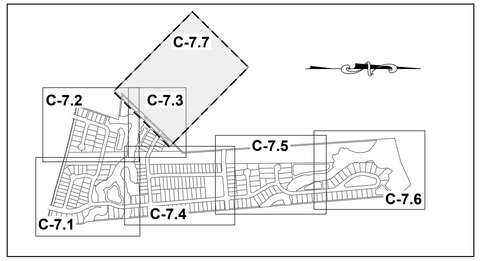
PARTIAL UTILITY PLAN VI

DRAWING SHEET
C-7.6

34 OF 128

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

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.
SEE SHEET C-7.9 FOR PIPE AND MANHOLE TABLES.

MATCH LINE
FOR CONTINUATION, SEE C-7.3

N/F
VILLANUEVA, PHILIP SHELLEY
VILLANUEVA, NADIA SULTA
PIN: 1757665301
DB: 19104 PG:1732
BM 2022 PG 1203
ZONING: R-30 (WC) USE: SF

STREAM SH

BUFFER ZONE 1
30.0'

BUFFER ZONE 2
20.0'

30.00'
CORRSE

P #50
SSMH #50A
P #50A
P #51
SSMH #51
30' SANITARY SEWER EASEMENT
30.00'
UTILITY EASEMENT
P #52
SSMH #52
P #53
SSMH #53
P #54
SSMH #54
SSMH #55
P #55
SSMH #56
P #56
SSMH #57
P #57
SSMH #58
P #49
SSMH #49

IGNEOUS STREET
50' PUBLIC R/W
20+76
8" BLOW OFF ASSEMBLY
P #48
8" DIP W/L

N/F
GRO PEG PROPERTIES LLC
PIN: 1757664956
DB: 19081 PG: 2786
BM 1982 PG 581
ZONING: R-30 (WC) USE: VA

N/F
GRO PEG PROPERTIES LLC
PIN: 1757668730
DB: 19081 PG: 2786
BM 2022 PG 1203
ZONING: R-30 (WC) USE: VA

N/F
FERLITO, CHRISTOPHER J
MORRIS, SARAH L
PIN: 1757770001
DB: 19307 PG:800
BM 2023 PG 333
ZONING: R-30 (WC) USE: SF

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2006 PG 2198)

N/F
HC ROLESVILLE
INVESTMENTS LLC
PIN: 1757571035
DB: 19587 PG: 1804
ZONING: R-30 (WC) USE: SF

CONSTRUCTED BY OTHERS

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

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL UTILITY PLAN VII - OFF SITE

DRAWING SHEET
C-7.7

35 OF 128

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01 BEGIN: SSMH #01 END: SSMH #04	PVC - SDR 26	8"	133	299.24	291.28	5.98%
P #02 BEGIN: SSMH #02 END: SSMH #03	PVC - SDR 26	8"	288	294.14	291.95	0.76%
P #03 BEGIN: SSMH #03 END: SSMH #04	PVC - SDR 26	8"	94	291.75	291.28	0.50%
P #04 BEGIN: SSMH #04 END: SSMH #05	PVC - SDR 26	8"	234	291.08	277.67	5.74%
P #05 BEGIN: SSMH #05 END: SSMH #32	PVC - SDR 26	8"	34	275.97	273.34	7.84%
P #06 BEGIN: SSMH #06 END: SSMH #07	PVC - SDR 26	8"	112	318.33	309.93	7.53%
P #07 BEGIN: SSMH #07 END: SSMH #08	PVC - SDR 26	8"	129	309.73	306.93	2.16%
P #08 BEGIN: SSMH #08 END: SSMH #09	PVC - SDR 26	8"	352	306.73	296.43	2.93%
P #09 BEGIN: SSMH #09 END: SSMH #10	PVC - SDR 26	8"	130	296.23	293.00	2.48%
P #10 BEGIN: SSMH #10 END: SSMH #11	PVC - SDR 26	8"	89	292.80	288.33	5.00%
P #11 BEGIN: SSMH #11 END: SSMH #12	PVC - SDR 26	8"	48	285.83	283.42	5.00%
P #12 BEGIN: SSMH #12 END: SSMH #26	PVC - SDR 26	8"	45	280.92	279.18	3.87%
P #13 BEGIN: SSMH #13 END: SSMH #14	PVC - SDR 26	8"	108	309.47	301.94	7.00%
P #14 BEGIN: SSMH #14 END: SSMH #15	PVC - SDR 26	8"	92	299.44	294.30	5.62%
P #15 BEGIN: SSMH #15 END: SSMH #22	PVC - SDR 26	8"	165	294.10	281.80	7.46%
P #16 BEGIN: SSMH #16 END: SSMH #17	PVC - SDR 26	8"	270	294.46	287.71	2.50%
P #17 BEGIN: SSMH #17 END: SSMH #18	PVC - SDR 26	8"	116	287.51	283.31	3.62%
P #18 BEGIN: SSMH #18 END: SSMH #19	PVC - SDR 26	8"	120	283.11	281.61	1.25%
P #19 BEGIN: SSMH #19 END: SSMH #20	PVC - SDR 26	8"	54	281.41	281.14	0.50%
P #20 BEGIN: SSMH #20 END: SSMH #21	PVC - SDR 26	8"	195	280.94	279.97	0.50%
P #21 BEGIN: SSMH #21 END: SSMH #22	PVC - SDR 26	8"	55	279.77	279.50	0.50%
P #22 BEGIN: SSMH #22 END: SSMH #23	PVC - SDR 26	8"	65	279.30	278.97	0.50%
P #23 BEGIN: SSMH #23 END: SSMH #24	PVC - SDR 26	8"	54	278.77	278.50	0.50%
P #24 BEGIN: SSMH #24 END: SSMH #25	PVC - SDR 26	8"	175	278.30	277.43	0.50%
P #25 BEGIN: SSMH #25 END: SSMH #26	PVC - SDR 26	8"	69	277.23	276.88	0.50%
P #26 BEGIN: SSMH #26 END: SSMH #27	PVC - SDR 26	8"	62	276.68	276.37	0.50%
P #27 BEGIN: SSMH #27 END: SSMH #28	DIP	8"	96	276.17	275.69	0.50%
P #28 BEGIN: SSMH #28 END: SSMH #29	DIP	8"	268	275.49	274.15	0.50%
P #29 BEGIN: SSMH #29 END: SSMH #30	DIP	8"	232	273.95	272.79	0.50%
P #30 BEGIN: SSMH #30 END: SSMH #31	PVC - SDR 26	8"	35	272.59	272.41	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #31 BEGIN: SSMH #31 END: SSMH #32	PVC - SDR 26	8"	33	272.21	272.05	0.50%
P #32 BEGIN: SSMH #32 END: SSMH #33	PVC - SDR 35	8"	339	271.85	260.94	3.22%
P #33 BEGIN: SSMH #33 END: SSMH #50	PVC - SDR 35	8"	188	260.74	256.13	2.46%
P #34 BEGIN: SSMH #34 END: SSMH #35	PVC - SDR 26	8"	399	347.33	328.64	4.69%
P #35 BEGIN: SSMH #35 END: SSMH #36	PVC - SDR 26	8"	398	328.44	306.62	5.49%
P #36 BEGIN: SSMH #36 END: SSMH #43	PVC - SDR 26	8"	398	304.12	285.51	4.68%
P #37 BEGIN: SSMH #37 END: SSMH #39	PVC - SDR 26	8"	109	321.69	321.15	0.50%
P #38 BEGIN: SSMH #38 END: SSMH #39	PVC - SDR 26	8"	289	336.87	321.39	5.35%
P #39 BEGIN: SSMH #39 END: SSMH #40	PVC - SDR 26	8"	156	320.95	320.16	0.50%
P #40 BEGIN: SSMH #40 END: SSMH #41	PVC - SDR 26	8"	346	319.96	318.23	0.50%
P #41 BEGIN: SSMH #41 END: SSMH #42	PVC - SDR 26	8"	337	318.03	300.49	5.21%
P #42 BEGIN: SSMH #42 END: SSMH #43	PVC - SDR 26	8"	223	298.49	285.51	5.81%
P #43 BEGIN: SSMH #43 END: SSMH #44	PVC - SDR 26	8"	179	285.31	283.82	0.83%
P #44 BEGIN: SSMH #44 END: SSMH #45	PVC - SDR 26	8"	82	283.62	283.21	0.50%
P #45 BEGIN: SSMH #45 END: SSMH #46	PVC - SDR 26	8"	82	283.01	282.60	0.50%
P #46 BEGIN: SSMH #46 END: SSMH #47	PVC - SDR 26	8"	91	282.40	281.94	0.50%
P #47 BEGIN: SSMH #47 END: SSMH #48	PVC - SDR 26	8"	96	281.74	281.26	0.50%
P #48 BEGIN: SSMH #48 END: SSMH #49	PVC - SDR 26	8"	127	281.06	279.00	1.62%
P #49 BEGIN: SSMH #49 END: SSMH #50A	PVC - SDR 26	8"	246	278.80	256.81	8.95%
P #50 BEGIN: SSMH #50 END: SSMH #50A	PVC - SDR 35	8"	83	255.93	255.51	0.50%
P #50A BEGIN: SSMH #50A END: SSMH #51	PVC - SDR 35	8"	295	255.31	253.84	0.50%
P #51 BEGIN: SSMH #51 END: SSMH #52	PVC - SDR 35	8"	246	253.64	252.41	0.50%
P #52 BEGIN: SSMH #52 END: SSMH #53	PVC - SDR 35	8"	273	252.21	242.28	3.64%
P #53 BEGIN: SSMH #53 END: SSMH #54	PVC - SDR 35	8"	193	242.08	240.65	0.74%
P #54 BEGIN: SSMH #54 END: SSMH #55	PVC - SDR 35	8"	167	240.45	239.61	0.50%
P #55 BEGIN: SSMH #55 END: SSMH #56	PVC - SDR 35	8"	206	239.41	238.38	0.50%
P #56 BEGIN: SSMH #56 END: SSMH #57	PVC - SDR 35	8"	69	238.18	237.84	0.50%
P #57 BEGIN: SSMH #57 END: SSMH #58	PVC - SDR 35	8"	86	237.64	237.20	0.51%
P #58 BEGIN: SSMH #59 END: SSMH #60	PVC - SDR 26	8"	172	348.70	339.50	5.34%
P #59 BEGIN: SSMH #60 END: SSMH #61	PVC - SDR 26	8"	267	337.00	324.41	4.71%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #60 BEGIN: SSMH #61 END: SSMH #64	PVC - SDR 26	8"	60	324.21	321.03	5.34%
P #61 BEGIN: SSMH #62 END: SSMH #63	PVC - SDR 26	8"	277	329.83	323.28	2.36%
P #62 BEGIN: SSMH #63 END: SSMH #64	PVC - SDR 26	8"	69	323.08	321.03	2.98%
P #63 BEGIN: SSMH #64 END: SSMH #65	PVC - SDR 26	8"	67	318.53	316.96	2.35%
P #64 BEGIN: SSMH #65 END: SSMH #66	PVC - SDR 26	8"	243	316.76	303.99	5.26%
P #65 BEGIN: SSMH #66 END: SSMH #69	PVC - SDR 26	8"	136	303.79	299.26	3.32%
P #66 BEGIN: SSMH #67 END: SSMH #68	PVC - SDR 26	8"	163	316.29	303.72	7.71%
P #67 BEGIN: SSMH #68 END: SSMH #69	PVC - SDR 26	8"	42	301.50	299.26	5.33%
P #68 BEGIN: SSMH #69 END: SSMH #70	PVC - SDR 26	8"	84	299.06	294.44	5.51%
P #69 BEGIN: SSMH #70 END: SSMH #71	PVC - SDR 26	8"	70	294.24	291.67	3.67%
P #70 BEGIN: SSMH #71 END: SSMH #72	PVC - SDR 26	8"	70	291.47	291.12	0.50%
P #71 BEGIN: SSMH #72 END: SSMH #73	PVC - SDR 26	8"	70	290.92	290.57	0.50%
P #72 BEGIN: SSMH #73 END: SSMH #74	PVC - SDR 26	8"	373	289.86	285.46	1.18%
P #73 BEGIN: SSMH #74 END: SSMH #75	PVC - SDR 26	8"	375	285.26	276.19	2.42%
P #74 BEGIN: SSMH #75 END: SSMH #76	PVC - SDR 26	8"	359	275.99	257.33	5.20%
P #75 BEGIN: SSMH #76 END: SSMH #77	PVC - SDR 26	8"	48	257.13	256.90	0.50%
P #76 BEGIN: SSMH #77 END: SSMH #78	PVC - SDR 26	8"	48	256.70	256.46	0.50%
P #77 BEGIN: SSMH #78 END: SSMH #85	PVC - SDR 26	8"	48	256.26	255.83	0.89%
P #78 BEGIN: SSMH #79 END: SSMH #80	PVC - SDR 26	8"	211	279.04	264.27	7.00%
P #79 BEGIN: SSMH #80 END: SSMH #81	PVC - SDR 26	8"	71	263.66	262.80	1.22%
P #80 BEGIN: SSMH #81 END: SSMH #82	PVC - SDR 26	8"	88	262.60	259.22	3.82%
P #81 BEGIN: SSMH #82 END: SSMH #83	PVC - SDR 26	8"	88	259.02	258.58	0.50%
P #82 BEGIN: SSMH #83 END: SSMH #84	PVC - SDR 26	8"	94	258.38	257.91	0.50%
P #83 BEGIN: SSMH #84 END: SSMH #85	PVC - SDR 26	8"	48	257.71	255.83	3.95%
P #84 BEGIN: SSMH #85 END: SSMH #86	PVC - SDR 26	8"	186	255.63	242.72	6.96%
P #85 BEGIN: SSMH #86 END: SSMH #87	PVC - SDR 35	8"	188	242.52	241.58	0.50%
P #86 BEGIN: SSMH #87 END: SSMH #88	PVC - SDR 35	8"	211	241.38	240.32	0.50%
P #87 BEGIN: SSMH #88 END: EX. SSMH #86	PVC - SDR 35	8"	203	240.12	239.11	0.50%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
EX. SSMH #86	4'	254.41	239.11 SE		15.30
SSMH #01	4'	311.20		299.24 N	11.96
SSMH #02	4'	304.33		294.14 W	10.19
SSMH #03	4'	301.41	291.95 E	291.75 W	9.65
SSMH #04	4'	301.26	291.28 S 291.28 E	291.08 N	10.20
SSMH #05	5'	290.73	277.67 S	275.97 NE	14.78
SSMH #06	4'	329.61		318.33 N	11.28
SSMH #07	4'	320.63	309.93 S	309.73 W	10.92
SSMH #08	4'	315.98	306.93 E	306.73 W	9.25
SSMH #09	4'	304.23	296.43 E	296.23 N	8.00
SSMH #10	4'	299.84	293.00 S	292.80 N	7.04
SSMH #11	4'	296.90	288.33 S	285.83 N	11.07
SSMH #12	5'	295.29	283.42 S	280.92 NE	14.37
SSMH #13	4'	317.71		309.47 N	8.24
SSMH #14	4'	309.69	301.94 S	299.44 N	10.24
SSMH #15	4'	304.27	294.30 S	294.10 NW	10.20
SSMH #16	5'	313.35		294.46 S	18.89
SSMH #17	4'	297.11	287.71 N	287.51 S	9.60
SSMH #18	4'	291.23	283.31 N	283.11 S	8.12
SSMH #19	4'	289.60	281.61 N	281.41 S	8.19
SSMH #20	4'	289.92	281.14 N	280.94 S	8.97
SSMH #21	5'	294.99	279.97 N	279.77 S	15.22
SSMH #22	5'	296.80	281.80 SE 279.50 N	279.30 W	17.71
SSMH #23	5'	295.13	278.97 E	278.77 W	16.36
SSMH #24	5'	294.04	278.50 E	278.30 W	15.74
SSMH #25	5'	292.24	277.43 E	277.23 NW	15.01
SSMH #26	5'	294.03	276.88 SE 279.18 SW	276.68 NW	17.34
SSMH #27	5'	295.39	276.37 SE	276.17 W	19.22
SSMH #28	6'	297.84	275.69 E	275.49 W	22.35
SSMH #29	6'	295.19	274.15 E	273.95 W	21.24
SSMH #30	5'	290.78	272.79 E	272.59 W	18.19
SSMH #31	5'	290.28	272.41 E	272.21 SW	18.07
SSMH #32	5'	290.27	273.34 SW 272.05 NE	271.85 N	18.45
SSMH #33	4'	265.93	260.94 S	260.74 N	5.19
SSMH #34	4'	355.15		347.33 S	7.81
SSMH #35	4'	338.98	328.64 N	328.44 S	10.54
SSMH #36	4'	316.03	306.62 N	304.12 W	11.91
SSMH #37	4'	327.38		321.69 E	5.69
SSMH #38	4'	345.81		336.87 W	8.94
SSMH #39	5'	332.94	321.15 W 321.39 E	320.95 S	12.02
SSMH #40	5'	339.20	320.16 N	319.96 S	19.23
SSMH #41	5'	331.29	318.23 N	318.03 S	13.26
SSMH #42	5'	312.22	300.49 N	298.49 S	13.73
SSMH #43	5'	297.31	285.51 E 285.51 N	285.31 W	12.02
SSMH #44	4'	294.26	283.82 E	283.62 W	10.64

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #45	4'	293.82	283.21 E	283.01 W	10.82
SSMH #46	4'	293.45	282.60 E	282.40 NW	11.05
SSMH #47	4'	292.99	281.94 SE	281.74 NW	11.25
SSMH #48	4'	292.39	281.26 SE	281.06 NW	11.32
SSMH #49	4'	290.31	279.00 SE	278.80 SW	11.51
SSMH #50	4'	262.12	256.13 S	255.93 NW	6.19
SSMH #50A	4'	264.75	255.51 SE 256.81 NE	255.31 NW	9.44
SSMH #51	4'	264.86	253.84 SE	253.64 NW	11.22
SSMH #52	4'	260.79	252.41 SE	252.21 NW	8.58
SSMH #53	5'	254.78	242.28 SE	242.08 NW	12.84
SSMH #54	4'	251.36	240.65 SE	240.45 W	10.93
SSMH #55	4'	244.49	239.61 E	239.41 NW	5.08
SSMH #56	4'	245.77	238.38 SE	238.18 NW	7.58
SSMH #57	4'	245.26	237.84 SE	237.64 NW	7.63
SSMH #58	4'	247.16	237.20 SE		9.96
SSMH #59	4'	354.40		348.70 N	5.69
SSMH #60	4'	346.79	339.50 S	337.00 N	9.79
SSMH #61	4'	334.53	324.41 S	324.21 N	10.35
SSMH #62	4'	337.70		329.83 E	7.87
SSMH #63	4'	333.27	323.28 W	323.08 E	10.19
SSMH #64	5'	331.29	321.03 W 321.03 S	318.53 N	12.77
SSMH #65	4'	326.99	316.96 S	316.76 NW	10.26
SSMH #66	5'	315.89	303.99 SE	303.79 N	12.13
SSMH #67	4'	324.51		316.29 E	8.22
SSMH #68	5'	314.74	303.72 W	301.50 E	13.24
SSMH #69	5'	311.53	299.26 W 299.26 S	299.06 NE	12.47
SSMH #70	4'	305.25	294.44 SW	294.24 NE	11.03
SSMH #71	4'	301.27	291.67 SW	291.47 N	9.79
SSMH #72	4'	298.84	291.12 S	290.92 N	7.92
SSMH #73	4'	297.63	290.57 S	289.86 N	7.77
SSMH #74	5'	298.05	285.46 S	285.26 N	12.79
SSMH #75	4'	285.98	276.19 S	275.99 N	10.00
SSMH #76	4'	268.03	257.33 S	257.13 NW	10.92
SSMH #77	4'	266.93	256.90 SE	256.70 NW	10.23
SSMH #78	4'	266.68	256.46 SE	256.26 W	10.42
SSMH #79	4'	290.21		279.04 NW	11.18
SSMH #80	4'	274.54	264.27 SE	263.66 NW	10.88
SSMH #81	4'	271.15	262.80 SE	262.60 N	8.54
SSMH #82	4'	269.32	259.22 S	259.02 N	10.29
SSMH #83	4'	268.47	258.58 S	258.38 N	10.09
SSMH #84	4'	267.60	257.91 S	257.71 NE	9.89
SSMH #85	4'	267.11	255.83 E 255.83 SW	255.63 NW	11.48
SSMH #86	4'	249.39	242.72 SE	242.52 NW	6.88
SSMH #87	4'	246.00	241.58 SE	241.38 NW	4.62
SSMH #88	4'	246.00	240.32 SE	240.12 NW	5.88

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

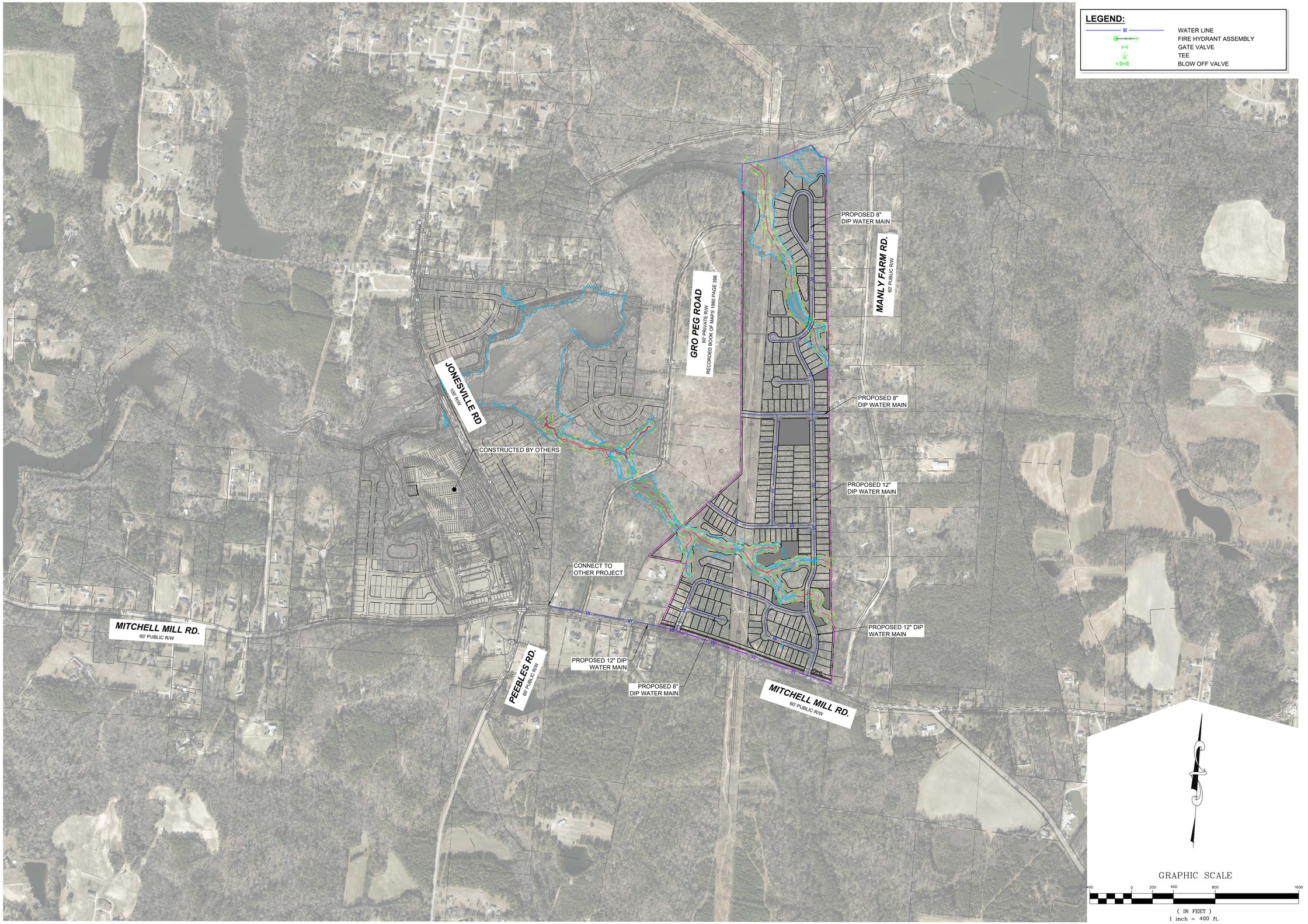
SANITARY SEWER TABLES

DRAWING SHEET

C-7.8

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PROGRESS PLOT DATE: 05/08/2025



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No.	REVISIONS	DATE	BY
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02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

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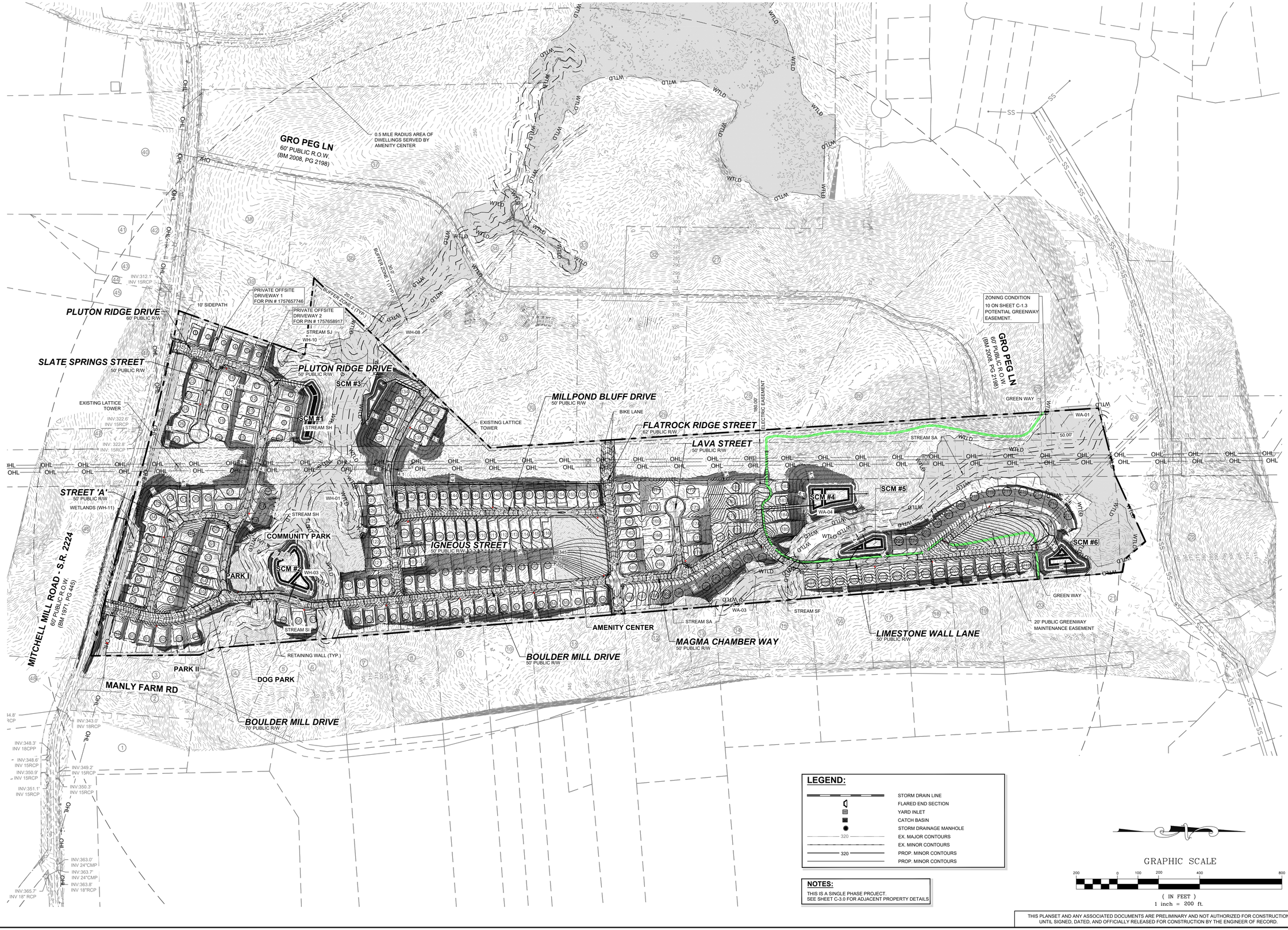
STRONG ROCK PROJECT	
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS

OFF-SITE UTILITY PLAN

DRAWING SHEET
C-7.9

PROGRESS PLOT DATE: 05/08/2025



LEGEND:

- STORM DRAIN LINE
- FLARED END SECTION
- YARD INLET
- CATCH BASIN
- STORM DRAINAGE MANHOLE
- 320 EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- 320 PROP. MINOR CONTOURS
- PROP. MINOR CONTOURS

NOTES:

THIS IS A SINGLE PHASE PROJECT.
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL:

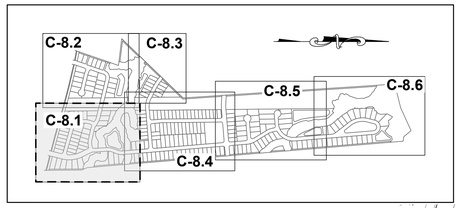
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OVERALL GRADING & DRAINAGE PLAN

DRAWING SHEET
C-8.0

38 OF 128



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

MATCH LINE
FOR CONTINUATION, SEE C-8.2

PLUTON RIDGE DRIVE
50' PUBLIC R/W

STREET 'A'
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

MANLY FARM RD

PARK I

PARK II

DOG PARK

COMMUNITY PARK

9 - Consider a structure on this side of the intersection to capture water before it drains across the street, unless the curb is being designed/graded to flow around to CB #33.

Will the gutter flow out or what is the intended flow pattern in this intersection?

10 - Grading should reflect these 3 building pads

8 - Swales that extend over 2 or more lots require a drainage easement or a structure.

7 - REPEAT: Confirm drainage between and behind the homes are occurring and being captured as intended. It appears some drainage flows from one building pad to another without water being captures in structures or swales.

SCM #2
TOP: 286.00
WSE: 282.00
BOT: 278.00

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES, ET,AL
PIN: 1757856303
DB: 13359 PG: 400
ZONING: R-30 (WC) USE: AG

N/F
JONES PROPERTIES LLC
PIN: 1757856755
DB: 12895 PG: 505
BM: 1993 PG: 446
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCER
PIN: 1757857937
DB: 9320 PG: 1460
BM 1993 PG 446
ZONING: R-30 (WC) USE: SF

N/F
ANDERSON, BOBBY G
PIN: 1757868104
DB: 8776 PG: 573
BM 1993 PG 446
ZONING: R-30 (WC) USE: MO

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

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SEAL:

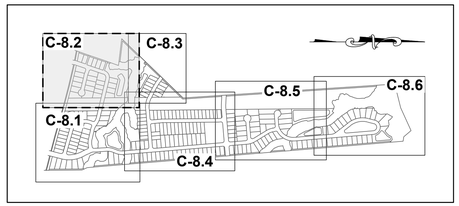
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STRONG ROCK PROJECT	
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN I

DRAWING SHEET
C-8.1

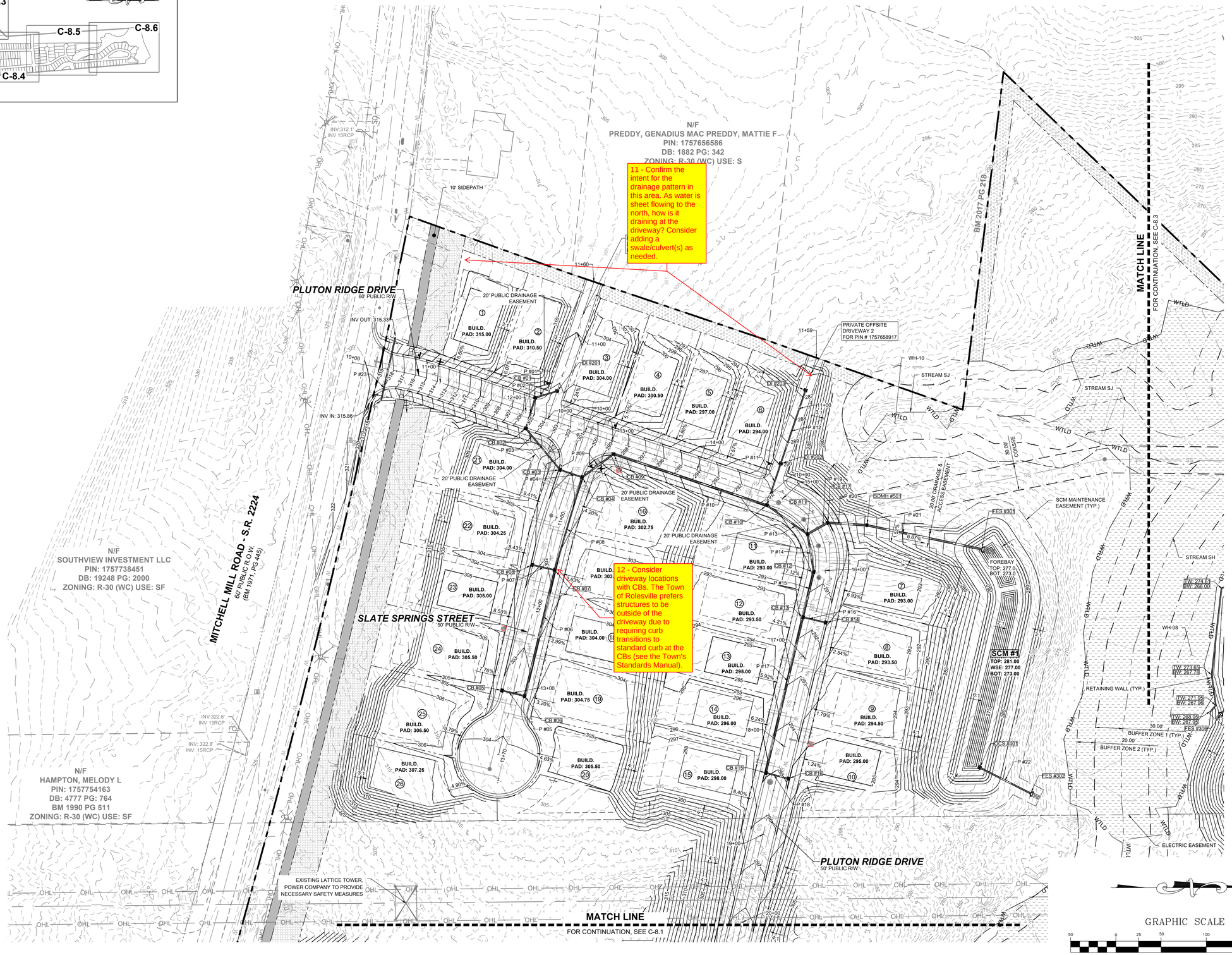
39 OF 128



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

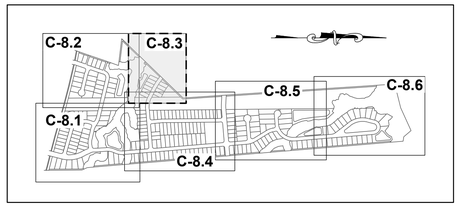
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609

STRONG ROCK PROJECT			
NOT FOR CONSTRUCTION	SCALE	AS SHOWN	
	DESIGNED BY	SRG	
	DRAWN BY	SRG	
	CHECKED BY	SRG	

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN II

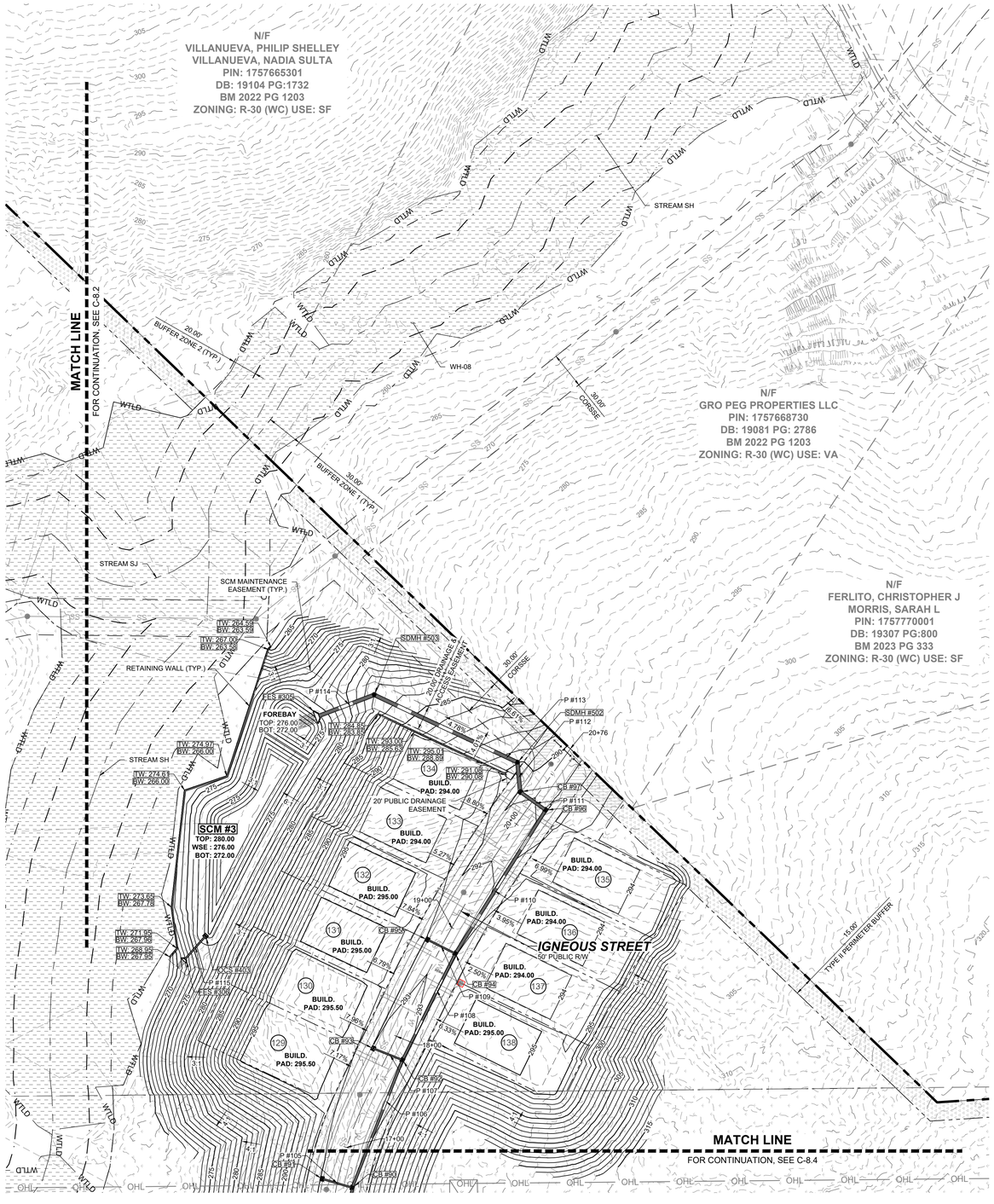
DRAWING SHEET
C-8.2



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
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02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

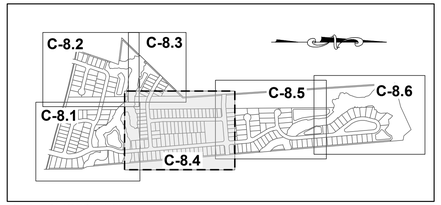
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609

STRONG'S ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN III

DRAWING SHEET
C-8.3



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

13 - Confirm drainage design intention for the 200+ feet. How is the water being captured before leaving the site.

14 - Consider a structure on this side of the intersection to capture water before it drains across the street, unless the curb is being designed/graded to flow around to CB #69.

Will the gutter flow out or what is the intended flow pattern in this intersection?

Structures were previously provided at this intersection.

MATCH LINE
FOR CONTINUATION, SEE C-8.3

MATCH LINE
FOR CONTINUATION, SEE C-8.1

MATCH LINE
FOR CONTINUATION, SEE C-8.5

FLATROCK RIDGE STREET
62' PUBLIC R/W

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

IGNEOUS STREET
50' PUBLIC R/W

AMENITY CENTER

COMMUNITY PARK

EXISTING LATTICE TOWER

ELECTRIC EASEMENT

DISTANCE FROM TOWER TO BACK OF CURB = 59'

DISTANCE FROM TOWER TO SIDEWALK = 49'

DISTANCE FROM TOWER TO SIDEWALK = 48'

DISTANCE FROM TOWER TO BACK OF CURB = 58'

DISTANCE FROM TOWER TO SIDEWALK 72.32'

DISTANCE FROM TOWER TO BACK OF CURB 82.32'

10 FT. HOA PRIVATE MULTI-USE PATH

20' PUBLIC DRAINAGE EASEMENT

RETAINING WALL (TYP.)

BUFFER ZONE 2 (TYP.)

BUFFER ZONE 1 (TYP.)

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

N/F
GOLD, SHARIE
PIN: 1757866660
DB: PG:
BM 1990 PG 00623
ZONING: R-30 (WC) USE: SF

N/F
LEFRANCOIS CONSTRUCTION CO INC
PIN: 1757866852
DB: 18468 PG: 2535
BM 2002 PG 352
ZONING: R-30 (WC) USE: VA

N/F
LEFRANCOIS, MICHAEL L LEFRANCOIS, TONIA
PIN: 1757876015
DB: 14356 PG: 1438
BM 2002 PG 352
ZONING: R-30 (WC) USE: SF

N/F
BEATTIE, LENORA M
PIN: 1757875349
DB: 07-E PG: 2834
ZONING: R-30 (WC) USE: SF

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

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01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
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SEAL:

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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

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN IV

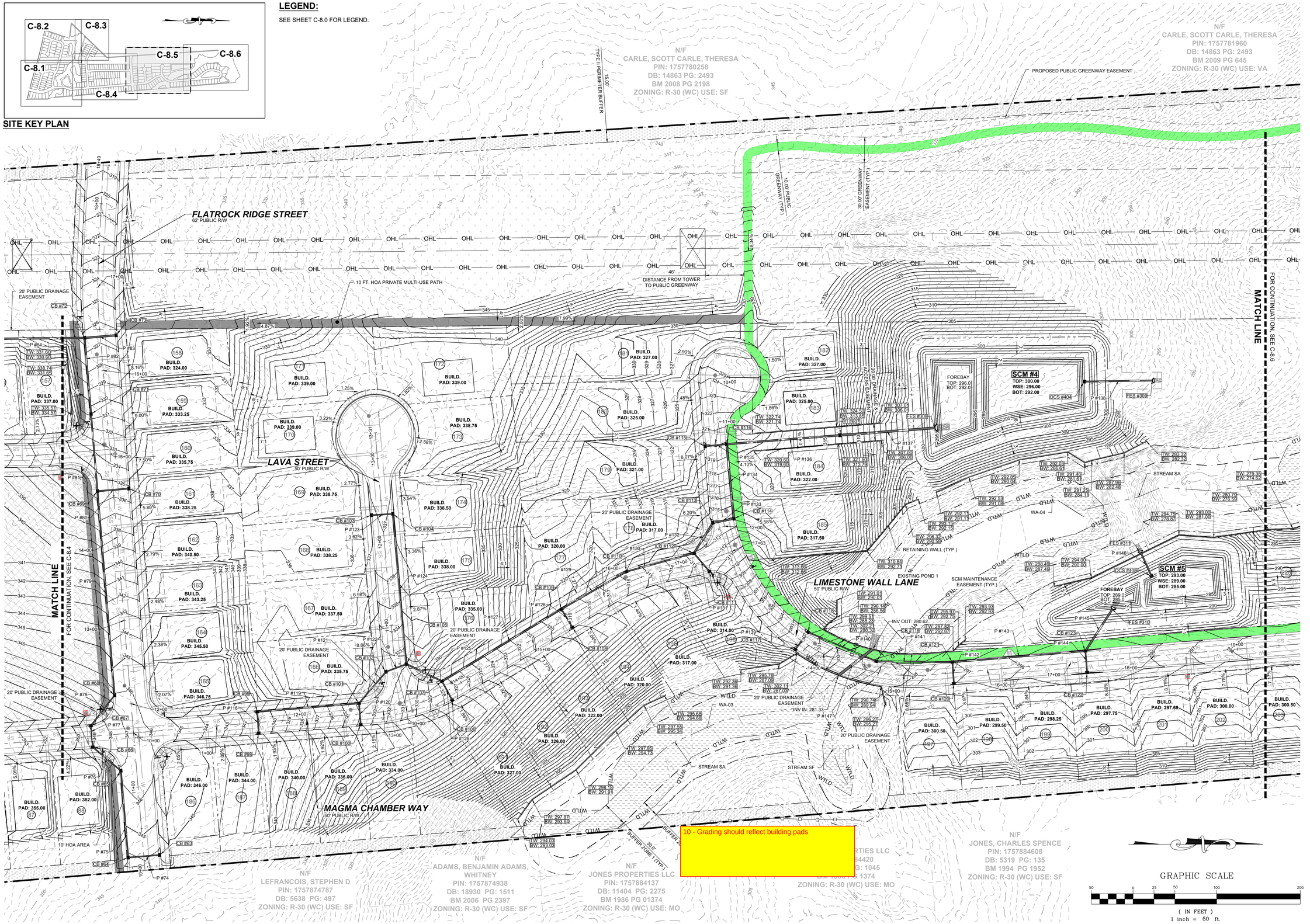
DRAWING SHEET
C-8.4

42 OF 128

SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

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SEAL

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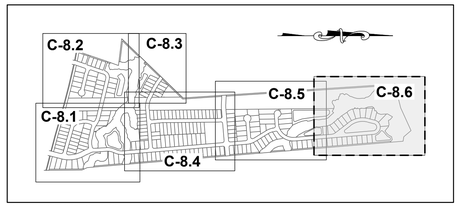
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN V

DRAWING SHEET

C-8.5

43 OF 128



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757790646
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES E
PIN: 1757694902
DB: 8581 PG: 2079
BM 2018 PG 390
ZONING: R-30 (WC) USE: VA

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2008, PG 2198)

TYPE II PERIMETER BUFFER - 15.00'

10.00' PUBLIC GREENWAY (TYP.)

PROPOSED PUBLIC GREENWAY EASEMENT

BUFFER ZONE 1 (TYP.) 30.0'

BUFFER ZONE 2 (TYP.) 20.0'

STREAM SA

MATCH LINE
FOR CONTINUATION, SEE C-8.5

LIMESTONE WALL LANE
50' PUBLIC R/W

20' PUBLIC DRAINAGE EASEMENT

SCM #5
TOP: 293.00
WSE: 289.00
BOT: 285.00

SCM #6
TOP: 263.00
WSE: 259.00
BOT: 255.00

FOREBAY
TOP: 256.00
BOT: 255.00

SCM MAINTENANCE EASEMENT (TYP.)

50.00' GREENWAY EASEMENT

RETAINING WALL (TYP.)

N/F
FORRESTER, JENNIFER N
FORRESTER, HAYES G
PIN: 1758707313
DB: 12620 PG: 2172
ZONING: RL (RO) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1758805144
DB: 11187 PG: 542
BM 1971 PG 445
ZONING: R-30 (WC) USE: SF

N/F
RGA CONSULTING LLC
PIN: 757893646
DB: 15770 PG: 1169
BM 2010 PG 725
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES SPENCE
PIN: 1757894101
DB: 2590 PG: 622
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757893394
DB: 2478 PG: 210
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

10 - Grading should reflect building pads

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN VI

DRAWING SHEET
C-8.6

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01 BEGIN: DI #201 END: CB #01	RCP	15"	25	299.45	299.33	0.50%
P #02 BEGIN: CB #01 END: CB #02	RCP	15"	36	298.33	297.95	1.07%
P #03 BEGIN: CB #02 END: CB #03	RCP	15"	59	297.75	295.11	4.44%
P #04 BEGIN: CB #03 END: CB #04	RCP	15"	26	294.91	293.80	4.31%
P #05 BEGIN: CB #05 END: CB #06	RCP	15"	26	296.50	296.37	0.50%
P #06 BEGIN: CB #06 END: CB #07	RCP	15"	143	296.17	295.26	0.64%
P #07 BEGIN: CB #08 END: CB #07	RCP	15"	26	295.41	295.26	0.58%
P #08 BEGIN: CB #07 END: CB #04	RCP	15"	107	295.06	293.80	1.18%
P #09 BEGIN: CB #04 END: CB #09	RCP	18"	43	293.60	292.40	2.78%
P #10 BEGIN: CB #09 END: CB #10	RCP	18"	179	292.20	281.99	5.71%
P #11 BEGIN: DI #202 END: CB #10	RCP	15"	49	281.61	281.36	0.50%
P #12 BEGIN: DI #203 END: DI #202	RCP	15"	86	282.23	281.81	0.50%
P #13 BEGIN: CB #10 END: CB #11	RCP	18"	55	281.16	280.89	0.50%
P #14 BEGIN: CB #12 END: CB #11	RCP	18"	42	283.13	282.28	2.00%
P #15 BEGIN: CB #13 END: CB #12	RCP	15"	51	284.17	283.33	1.64%
P #16 BEGIN: CB #14 END: CB #13	RCP	15"	26	284.50	284.37	0.50%
P #17 BEGIN: CB #15 END: CB #13	RCP	15"	177	287.87	284.37	1.98%
P #18 BEGIN: CB #16 END: CB #15	RCP	15"	26	288.19	288.07	0.50%
P #19 BEGIN: CB #11 END: CB #17	RCP	24"	26	280.69	280.08	2.35%
P #20 BEGIN: CB #17 END: SDMH #501	RCP	24"	43	279.88	278.82	2.44%
P #21 BEGIN: SDMH #501 END: FES #301	RCP	24"	130	278.62	277.00	1.25%
P #22 BEGIN: OCS #401 END: FES #302	RCP	18"	63	277.00	274.81	3.48%
P #23 BEGIN: N #07 END: N #08	CLASS IV RCP	15"	73	315.86	315.33	0.72%
P #24 BEGIN: N #05 END: N #06	RCP	15"	128	334.58	333.92	0.52%
P #25 BEGIN: CB #18 END: CB #19	RCP	15"	44	315.97	315.75	0.50%
P #26 BEGIN: CB #19 END: CB #20	RCP	15"	92	314.65	308.47	6.73%
P #27 BEGIN: CB #20 END: CB #21	RCP	15"	117	308.27	300.82	6.37%
P #28 BEGIN: CB #22 END: CB #21	RCP	15"	44	300.53	300.12	0.93%
P #29 BEGIN: CB #21 END: CB #23	RCP	15"	183	298.82	292.34	3.54%
P #30 BEGIN: CB #24 END: CB #23	RCP	15"	41	293.72	293.34	0.91%
P #31 BEGIN: CB #23 END: CB #25	RCP	18"	35	292.14	290.32	5.14%
P #32 BEGIN: CB #25 END: CB #26	RCP	18"	26	289.12	286.77	8.91%
P #33 BEGIN: CB #27 END: CB #26	RCP	30"	104	285.49	284.97	0.50%
P #34 BEGIN: CB #28 END: CB #27	RCP	24"	118	286.28	285.69	0.50%
P #35 BEGIN: CB #29 END: CB #28	RCP	15"	26	287.40	287.18	0.85%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #36 BEGIN: CB #30 END: CB #28	RCP	24"	62	286.79	286.48	0.50%
P #37 BEGIN: CB #31 END: CB #30	RCP	24"	26	287.12	286.99	0.50%
P #38 BEGIN: CB #32 END: CB #30	RCP	15"	85	290.84	287.09	4.44%
P #39 BEGIN: CB #33 END: CB #32	RCP	15"	26	291.17	291.04	0.50%
P #40 BEGIN: CB #34 END: CB #31	RCP	24"	44	289.54	287.32	5.09%
P #41 BEGIN: CB #35 END: CB #34	RCP	24"	61	291.70	289.74	3.19%
P #42 BEGIN: CB #36 END: CB #35	RCP	15"	26	292.89	292.70	0.74%
P #43 BEGIN: CB #37 END: CB #35	RCP	24"	54	293.68	291.90	3.29%
P #44 BEGIN: CB #38 END: CB #37	RCP	18"	98	297.87	294.28	3.67%
P #45 BEGIN: CB #39 END: CB #38	RCP	15"	46	298.38	298.07	0.67%
P #46 BEGIN: CB #40 END: CB #38	RCP	18"	59	300.24	298.07	3.68%
P #47 BEGIN: CB #41 END: CB #40	RCP	18"	28	300.86	300.44	1.51%
P #48 BEGIN: CB #42 END: CB #40	RCP	18"	205	307.68	300.44	3.53%
P #49 BEGIN: CB #43 END: CB #42	RCP	15"	26	308.00	307.88	0.50%
P #50 BEGIN: CB #26 END: CB #44	RCP	30"	47	284.77	284.53	0.50%
P #51 BEGIN: CB #44 END: CB #45	RCP	30"	107	284.33	283.80	0.50%
P #52 BEGIN: CB #45 END: CB #46	RCP	30"	92	283.60	283.13	0.50%
P #53 BEGIN: N #02 END: N #01	RCP	42"	43	274.58	273.28	3.03%
P #54 BEGIN: CB #47 END: CB #48	RCP	15"	26	284.93	284.78	0.60%
P #55 BEGIN: CB #46 END: CB #48	RCP	30"	70	282.93	282.58	0.50%
P #56 BEGIN: CB #49 END: CB #48	RCP	30"	107	284.94	283.38	1.46%
P #57 BEGIN: CB #50 END: CB #49	RCP	15"	26	286.74	286.54	0.78%
P #58 BEGIN: CB #51 END: CB #49	RCP	30"	132	291.04	285.52	4.17%
P #59 BEGIN: CB #52 END: CB #51	RCP	15"	26	291.57	291.34	0.89%
P #60 BEGIN: N #03 END: N #04	RCP	42"	42	281.85	280.86	2.36%
P #61 BEGIN: CB #53 END: CB #51	RCP	24"	123	297.85	291.34	5.30%
P #62 BEGIN: CB #54 END: CB #53	RCP	15"	26	298.48	298.35	0.50%
P #63 BEGIN: CB #56 END: CB #53	RCP	18"	224	311.52	298.35	5.88%
P #64 BEGIN: CB #55 END: CB #56	RCP	15"	26	313.55	313.42	0.50%
P #65 BEGIN: CB #57 END: CB #56	RCP	18"	197	325.18	313.52	5.92%
P #66 BEGIN: CB #58 END: CB #57	RCP	15"	26	325.51	325.38	0.50%
P #67 BEGIN: CB #59 END: CB #57	RCP	15"	180	333.42	325.38	4.47%
P #68 BEGIN: CB #60 END: CB #59	RCP	15"	26	333.75	333.62	0.50%
P #69 BEGIN: CB #61 END: CB #59	RCP	15"	180	341.89	333.62	4.59%
P #70 BEGIN: CB #62 END: CB #61	RCP	15"	26	342.22	342.09	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #71 BEGIN: OCS #406 END: FES #313	RCP	18"	40	259.00	258.00	2.50%
P #72 BEGIN: CB #48 END: FES #303	RCP	30"	57	282.38	282.00	0.68%
P #73 BEGIN: OCS #402 END: FES #304	RCP	18"	53	282.00	281.00	1.90%
P #74 BEGIN: CB #63 END: CB #64	CLASS IV RCP	15"	38	340.63	340.44	0.50%
P #75 BEGIN: CB #64 END: CB #65	CLASS IV RCP	15"	104	340.24	339.24	0.96%
P #76 BEGIN: CB #65 END: CB #66	RCP	15"	44	339.04	338.60	0.99%
P #77 BEGIN: CB #66 END: CB #67	RCP	15"	26	338.40	338.28	0.50%
P #78 BEGIN: CB #67 END: CB #68	RCP	15"	46	338.08	337.85	0.50%
P #79 BEGIN: CB #68 END: CB #69	RCP	15"	245	337.65	327.27	4.23%
P #80 BEGIN: CB #70 END: CB #69	RCP	18"	38	327.46	327.27	0.50%
P #81 BEGIN: CB #69 END: CB #71	RCP	18"	93	326.07	323.65	2.60%
P #82 BEGIN: CB #71 END: CB #72	CLASS IV RCP	18"	91	323.45	322.44	1.11%
P #83 BEGIN: CB #73 END: CB #72	RCP	24"	38	320.83	320.64	0.50%
P #84 BEGIN: CB #72 END: YI #603	RCP	24"	184	320.44	319.52	0.50%
P #85 BEGIN: YI #603 END: YI #604	RCP	24"	209	319.32	318.28	0.50%
P #86 BEGIN: YI #604 END: YI #605	RCP	24"	261	318.08	309.26	3.38%
P #87 BEGIN: YI #605 END: YI #606	RCP	24"	209	309.06	301.30	3.72%
P #88 BEGIN: YI #606 END: CB #88	RCP	24"	171	301.10	287.22	8.14%
P #89 BEGIN: CB #74 END: CB #88	RCP	15"	26	287.03	286.82	0.81%
P #90 BEGIN: CB #75 END: CB #88	RCP	24"	110	290.19	287.22	2.70%
P #91 BEGIN: CB #76 END: CB #75	RCP	18"	46	291.28	290.69	1.27%
P #92 BEGIN: CB #77 END: CB #76	RCP	18"	26	291.60	291.48	0.50%
P #93 BEGIN: CB #78 END: CB #77	RCP	18"	46	292.03	291.80	0.50%
P #94 BEGIN: CB #79 END: CB #78	RCP	15"	26	292.36	292.23	0.50%
P #95 BEGIN: CB #80 END: CB #78	RCP	15"	203	300.27	292.23	3.96%
P #96 BEGIN: CB #81 END: CB #80	RCP	15"	26	300.60	300.47	0.50%
P #97 BEGIN: CB #82 END: CB #77	RCP	18"	153	304.04	292.60	7.45%
P #98 BEGIN: CB #83 END: CB #82	RCP	15"	26	304.37	304.24	0.50%
P #99 BEGIN: CB #84 END: CB #82	RCP	18"	261	320.03	304.24	6.06%
P #100 BEGIN: CB #85 END: CB #84	RCP	15"	26	320.36	320.23	0.50%
P #101 BEGIN: CB #86 END: CB #84	RCP	18"	156	327.04	320.23	4.36%
P #102 BEGIN: CB #87 END: CB #86	RCP	15"	26	327.37	327.24	0.50%
P #103 BEGIN: CB #88 END: CB #89	RCP	24"	44	286.22	286.00	0.50%
P #104 BEGIN: CB #89 END: CB #90	RCP	24"	69	285.80	285.44	0.52%
P #105 BEGIN: CB #91 END: CB #90	RCP	15"	26	286.75	286.62	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #106 BEGIN: CB #90 END: CB #92	RCP	24"	112	285.24	284.67	0.50%
P #107 BEGIN: CB #93 END: CB #92	RCP	15"	26	286.38	285.47	3.54%
P #108 BEGIN: CB #92 END: CB #94	RCP	24"	97	284.47	283.99	0.50%
P #109 BEGIN: CB #95 END: CB #94	RCP	15"	26	285.82	285.69	0.50%
P #110 BEGIN: CB #94 END: CB #96	RCP	30"	139	283.79	282.81	0.70%
P #111 BEGIN: CB #96 END: CB #97	RCP	30"	26	282.61	282.48	0.50%
P #112 BEGIN: CB #97 END: SDMH #502	RCP	36"	24	282.28	281.53	3.11%
P #113 BEGIN: SDMH #502 END: SDMH #503	RCP	36"	130	281.33	276.44	3.76%
P #114 BEGIN: SDMH #503 END: FES #305	RCP	36"	48	276.24	276.00	0.50%
P #115 BEGIN: OCS #403 END: FES #306	RCP	15"	25	273.00	270.85	8.56%
P #116 BEGIN: YI #602 END: YI #601	RCP	15"	46	320.09	319.41	1.49%
P #117 BEGIN: YI #601 END: FES #307	RCP	18"	95	319.21	318.00	1.27%
P #118 BEGIN: CB #98 END: CB #99	RCP	15"	26	332.72	332.60	0.50%
P #119 BEGIN: CB #99 END: CB #101	RCP	15"	122	332.40	328.43	3.25%
P #120 BEGIN: CB #100 END: CB #101	RCP	15"	26	326.76	326.63	0.50%
P #121 BEGIN: CB #101 END: CB #102	RCP	15"	50	326.43	325.73	1.42%
P #122 BEGIN: CB #102 END: CB #105	RCP	15"	26	325.53	324.44	4.19%
P #123 BEGIN: CB #103 END: CB #104	RCP	15"	26	329.95	329.83	0.50%
P #124 BEGIN: CB #104 END: CB #105	RCP	15"	180	329.63	325.44	2.32%
P #125 BEGIN: CB #105 END: CB #107	RCP	18"	47	323.44	320.11	7.03%
P #126 BEGIN: CB #106 END: CB #107	RCP	15"	26	320.24	320.11	0.50%
P #127 BEGIN: CB #107 END: CB #109	RCP	18"	167	319.91	311.59	4.99%
P #128 BEGIN: CB #108 END: CB #109	RCP	15"	26	311.71	311.59	0.50%
P #129 BEGIN: CB #109 END: CB #110	RCP	18"	90	311.39	309.01	2.64%
P #130 BEGIN: CB #110 END: CB #112	RCP	18"	84	308.81	305.60	3.84%
P #131 BEGIN: CB #111 END: CB #112	RCP	15"	29	304.94	304.80	0.50%
P #132 BEGIN: CB #112 END: CB #113	RCP	24"	43	304.60	304.25	0.80%
P #133 BEGIN: CB #113 END: CB #114	RCP	24"	26	304.05	303.93	0.50%
P #134 BEGIN: CB #114 END: CB #116	RCP	24"	90	303.73	303.28	0.50%
P #135 BEGIN: CB #115 END: CB #116	RCP	15"	26	307.24	305.58	6.45%
P #136 BEGIN: CB #116 END: YI #607	RCP	24"	136	303.08	298.57	3.32%
P #137 BEGIN: YI #607 END: FES #308	RCP	30"	114	296.57	296.00	0.50%
P #138 BEGIN: OCS #404 END: FES #309	RCP	18"	81	296.00	294.98	1.26%
P #139 BEGIN: CB #117 END: CB #118	RCP	15"	26	295.22	295.09	0.50%
P #140 BEGIN: CB #118 END: CB #119	RCP	15"	89	294.89	294.06	0.94%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #141 BEGIN: CB #119 END: CB #121	RCP	18"	91	293.86	292.43	1.57%
P #142 BEGIN: CB #120 END: CB #121	RCP	15"	26	292.56	292.43	0.50%
P #143 BEGIN: CB #121 END: CB #123	RCP	18"	160	291.93	290.02	1.20%
P #144 BEGIN: CB #122 END: CB #123	RCP	15"	26	290.59	290.46	0.50%
P #145 BEGIN: CB #123 END: FES #310	RCP	24"	59	289.82	289.00	1.38%
P #146 BEGIN: OCS #405 END: FES #311	RCP	18"	30	289.00	286.86	7.02%
P #147 BEGIN: N #09 END: N #10	RCP	36"	52	281.33	280.62	1.37%
P #148 BEGIN: CB #124 END: CB #125	RCP	15"	26	289.94	289.82	0.50%
P #149 BEGIN: CB #125 END: CB #127	RCP	15"	209	289.62	281.51	3.88%
P #150 BEGIN: CB #126 END: CB #127	RCP	15"	26	279.96	279.71	1.00%
P #151 BEGIN: CB #127 END: CB #129	RCP	15"	141	279.51	272.60	4.91%
P #152 BEGIN: CB #128 END: CB #129	RCP	15"	26	272.87	272.60	1.04%
P #153 BEGIN: CB #129 END: CB #130	RCP	18"	210	272.40	262.07	4.93%
P #154 BEGIN: CB #130 END: CB #131	RCP	18"	26	261.87	261.74	0.50%
P #155 BEGIN: CB #131 END: CB #139	RCP	24"	97	261.54	260.74	0.83%
P #156 BEGIN: CB #132 END: CB #133	RCP	15"	26	276.08	275.95	0.50%
P #157 BEGIN: CB #133 END: CB #135	RCP	15"	146	275.75	268.03	5.29%
P #158 BEGIN: CB #134 END: CB #135	RCP	15"	26	266.36	266.23	0.50%
P #159 BEGIN: CB #135 END: CB #137	RCP	15"	120	266.03	264.32	1.43%
P #160 BEGIN: CB #136 END: CB #137	RCP	15"	26	262.65	262.52	0.50%
P #161 BEGIN: CB #137 END: CB #138	RCP	18"	183	262.32	261.40	0.50%
P #162 BEGIN: CB #138 END: CB #139	RCP	24"	92	261.20	260.74	0.50%
P #163 BEGIN: CB #139 END: CB #140	RCP	24"	26	260.54	260.38	0.63%
P #164 BEGIN: CB #140 END: FES #312	RCP	24"	76	259.38	259.00	0.50%

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

STORM DRAINAGE TABLES

DRAWING SHEET

C-8.7

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

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	304.99	299.33 N	298.33 E
CB #02	2' X 3'	304.91	297.95 W	297.75 NE
CB #03	2' X 3'	300.72	295.11 SW	294.91 N
CB #04	2' X 3'	300.72	293.80 S 293.80 E	293.60 NW
CB #05	2' X 3'	303.23		296.50 N
CB #06	2' X 3'	303.23	296.37 S	296.17 W
CB #07	2' X 3'	301.81	295.26 S 295.26 E	295.06 W
CB #08	2' X 3'	301.81		295.41 N
CB #09	2' X 3'	298.41	292.40 SE	292.20 N
CB #10	2' X 3'	290.78	281.99 S 281.36 W	281.16 NE
CB #11	2' X 3'	290.05	280.89 SW 282.28 E	280.69 NW
CB #12	2' X 3'	290.50	283.33 E	283.13 W
CB #13	2' X 3'	291.49	284.37 N 284.37 E	284.17 W
CB #14	2' X 3'	291.49		284.50 S
CB #15	2' X 3'	294.86	288.07 N	287.87 W
CB #16	2' X 3'	294.86		288.19 S
CB #17	2' X 3'	290.05	280.08 SE	279.88 N
CB #18	2' X 3'	323.13		315.97 W
CB #19	2' X 3'	323.03	315.75 E	314.65 N
CB #20	2' X 3'	315.38	308.47 S	308.27 N
CB #21	2' X 3'	306.88	300.12 E 300.82 S	298.82 NW
CB #22	2' X 3'	307.00		300.53 W
CB #23	2' X 3'	298.13	292.34 SE 293.34 NE	292.14 NW
CB #24	2' X 3'	298.07		293.72 SW
CB #25	2' X 3'	296.02	290.32 SE	289.12 N
CB #26	2' X 3'	295.90	286.77 S 284.97 W	284.77 NE
CB #27	2' X 3'	293.61	285.69 W	285.49 E
CB #28	2' X 3'	291.84	286.48 W 287.18 S	286.28 E
CB #29	2' X 3'	291.84		287.40 N
CB #30	2' X 3'	292.48	287.09 NW 286.99 SW	286.79 E
CB #31	2' X 3'	292.47	287.32 W	287.12 NE
CB #32	2' X 3'	294.64	291.04 SW	290.84 SE
CB #33	2' X 3'	294.63		291.17 NE
CB #34	2' X 3'	295.01	289.74 S	289.54 E
CB #35	2' X 3'	297.24	291.90 S 292.70 W	291.70 N
CB #36	2' X 3'	297.33		292.89 E
CB #37	2' X 3'	299.19	294.28 S	293.68 N
CB #38	2' X 3'	302.83	298.07 SE 298.07 SW	297.87 N
CB #39	2' X 3'	302.82		298.38 NE
CB #40	2' X 3'	305.23	300.44 S 300.44 E	300.24 NW
CB #41	2' X 3'	305.83		300.86 N
CB #42	2' X 3'	312.44	307.88 S	307.68 W
CB #43	2' X 3'	312.44		308.00 N
CB #44	2' X 3'	294.72	284.53 SW	284.33 N
CB #45	2' X 3'	291.10	283.80 S	283.60 N
CB #46	2' X 3'	289.73	283.13 S	282.93 N
CB #47	2' X 3'	289.37		284.93 W
CB #48	2' X 3'	289.37	283.38 N 282.58 S 284.78 E	282.38 W
CB #49	2' X 3'	291.40	285.52 N 286.54 E	284.94 S
CB #50	2' X 3'	291.37		286.74 W
CB #51	2' X 3'	298.61	291.34 E 291.34 N	291.04 S
CB #52	2' X 3'	298.61		291.57 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #53	2' X 3'	305.92	298.35 N 298.35 E	297.85 S
CB #54	2' X 3'	305.92		298.48 W
CB #55	2' X 3'	321.00		313.55 W
CB #56	2' X 3'	321.01	313.52 N 313.42 E	311.52 S
CB #57	2' X 3'	332.43	325.38 N 325.38 E	325.18 S
CB #58	2' X 3'	332.43		325.51 W
CB #59	2' X 3'	340.82	333.62 N 333.62 E	333.42 S
CB #60	2' X 3'	340.82		333.75 W
CB #61	2' X 3'	349.21	342.09 E	341.89 S
CB #62	2' X 3'	349.21		342.22 W
CB #63	2' X 3'	343.76		340.63 S
CB #64	2' X 3'	343.76	340.44 N	340.24 W
CB #65	2' X 3'	346.72	339.24 E	339.04 SW
CB #66	2' X 3'	349.00	338.60 NE	338.40 W
CB #67	2' X 3'	348.84	338.28 E	338.08 NW
CB #68	2' X 3'	346.07	337.85 SE	337.65 W
CB #69	2' X 3'	335.15	327.27 N 327.27 E	326.07 W
CB #70	2' X 3'	335.15		327.46 S
CB #71	2' X 3'	330.43	323.65 E	323.45 W
CB #72	2' X 3'	326.28	320.64 N 322.44 E	320.44 S
CB #73	2' X 3'	326.28		320.83 S
CB #74	2' X 3'	294.25		287.03 N
CB #75	2' X 3'	295.84	290.69 NE	290.19 W
CB #76	2' X 3'	300.51	291.48 E	291.28 SW
CB #77	2' X 3'	300.50	292.60 N 291.80 SE	291.60 W
CB #78	2' X 3'	298.89	292.23 S 292.23 E	292.03 NW
CB #79	2' X 3'	298.89		292.36 N
CB #80	2' X 3'	307.21	300.47 S	300.27 W
CB #81	2' X 3'	307.20		300.60 N
CB #82	2' X 3'	310.92	304.24 W 304.24 N	304.04 S
CB #83	2' X 3'	310.86		304.37 E
CB #84	2' X 3'	327.14	320.23 W 320.23 N	320.03 S
CB #85	2' X 3'	327.06		320.36 E
CB #86	2' X 3'	333.89	327.24 W	327.04 S
CB #87	2' X 3'	333.80		327.37 E
CB #88	2' X 3'	294.25	286.82 S 287.22 N 287.22 E	286.22 W
CB #89	2' X 3'	294.02	286.00 E	285.80 W
CB #90	2' X 3'	293.66	285.44 E 286.62 S	285.24 W
CB #91	2' X 3'	293.65		286.75 N
CB #92	2' X 3'	293.07	284.67 E 285.47 S	284.47 NW
CB #93	2' X 3'	293.08		286.38 N
CB #94	2' X 3'	292.58	285.69 SW 283.99 SE	283.79 NW
CB #95	2' X 3'	292.59		285.82 NE
CB #96	2' X 3'	290.83	282.81 SE	282.61 SW
CB #97	2' X 3'	290.74	282.48 NE	282.28 W
CB #98	2' X 3'	340.87		332.72 W
CB #99	2' X 3'	340.84	332.60 E	332.40 N
CB #100	2' X 3'	333.74		326.76 W
CB #101	2' X 3'	333.74	326.63 E 328.43 S	326.43 NW
CB #102	2' X 3'	332.10	325.73 SE	325.53 N
CB #103	2' X 3'	336.84		329.95 N
CB #104	2' X 3'	336.83	329.83 S	329.63 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #105	2' X 3'	332.13	325.44 W 324.44 S	323.44 NE
CB #106	2' X 3'	327.39		320.24 SW
CB #107	2' X 3'	327.47	320.11 SW 320.11 NE	319.91 NW
CB #108	2' X 3'	318.87		311.71 SW
CB #109	2' X 3'	318.87	311.59 SE 311.59 NE	311.39 NW
CB #110	2' X 3'	315.60	309.01 SE	308.81 N
CB #111	2' X 3'	311.85		304.94 SW
CB #112	2' X 3'	312.57	304.80 NE 305.60 S	304.60 NW
CB #113	2' X 3'	313.74	304.25 SE	304.05 N
CB #114	2' X 3'	313.74	303.93 S	303.73 W
CB #115	2' X 3'	319.79		307.24 N
CB #116	2' X 3'	319.81	303.28 E 305.58 S	303.08 N
CB #117	2' X 3'	301.81		295.22 NW
CB #118	2' X 3'	301.79	295.09 SE	294.89 NE
CB #119	2' X 3'	298.50	294.06 SW	293.86 N
CB #120	2' X 3'	297.00		292.56 W
CB #121	2' X 3'	296.99	292.43 S 292.43 E	291.93 N
CB #122	2' X 3'	295.03		290.59 W
CB #123	2' X 3'	295.03	290.46 E 290.02 S	289.82 NW
CB #124	2' X 3'	296.82		289.94 E
CB #125	2' X 3'	296.81	289.82 W	289.62 N
CB #126	2' X 3'	286.80		279.96 E
CB #127	2' X 3'	286.81	279.71 W 281.51 S	279.51 N
CB #128	2' X 3'	279.45		272.87 E
CB #129	2' X 3'	279.44	272.60 W 272.60 S	272.40 N
CB #130	2' X 3'	268.79	262.07 S	261.87 W
CB #131	2' X 3'	268.79	261.74 E	261.54 NW
CB #132	2' X 3'	283.07		276.08 NE
CB #133	2' X 3'	283.16	275.95 SW	275.75 NW
CB #134	2' X 3'	272.93		266.36 NE
CB #135	2' X 3'	272.92	266.23 SW 268.03 SE	266.03 N
CB #136	2' X 3'	269.25		262.65 E
CB #137	2' X 3'	269.24	262.52 W 264.32 S	262.32 N
CB #138	2' X 3'	267.49	261.40 S	261.20 NE
CB #139	2' X 3'	266.49	260.74 SE 260.74 SW	260.54 N
CB #140	2' X 3'	266.49	260.38 S	259.38 E

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #601	2' X 3'	323.86	319.41 S	319.21 E
YI #602	2' X 3'	324.53		320.09 N
YI #603	2' X 3'	331.87	319.52 N	319.32 S
YI #604	2' X 3'	327.45	318.28 N	318.08 S
YI #605	2' X 3'	319.63	309.26 N	309.06 S
YI #606	2' X 3'	306.55	301.30 N	301.10 S

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SDMH #501	4'	287.76	278.82 S	278.62 N	9.14
SDMH #502	4'	289.91	281.53 E	281.33 SW	8.59
SDMH #503	4'	283.00	276.44 NE	276.24 S	7.01

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #301	24"	279.33		277.00 S
FES #302	18"	276.60		274.81 SW
FES #303	30"	284.87		282.00 E
FES #304	18"	282.79		281.00 E
FES #305	36"	279.42		276.00 N
FES #306	15"	272.38		270.85 NW
FES #307	18"	319.79		318.00 W
FES #308	30"	298.88		296.00 S
FES #309	18"	296.77		294.98 S
FES #310	24"	291.33		289.00 SE
FES #311	18"	288.66		286.86 NE
FES #312	24"	261.33		259.00 W
FES #313	18"	259.79		258.00 W

OCS TABLE				
OCS NO	SIZE	TOP	INV. IN	INV. OUT
OCS #401	2' X 3'	280.00		277.00 NE
OCS #402	2' X 3'	285.00		282.00 W
OCS #403	2' X 3'	276.00		273.00 SE
OCS #404	2' X 3'	299.00		296.00 N
OCS #405	2' X 3'	292.00		289.00 SW
OCS #406	2' X 3'	262.00		259.00 E

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #201	2' X 3'	303.84		299.45 S
DI #202	2' X 3'	289.93	281.81 W	281.61 E
DI #203	2' X 3'	286.67		282.23 E

No.	REVISIONS	DATE	BY
01.	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

STORM DRAINAGE TABLES

DRAWING SHEET

C-8.8

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

OFFSITE SPOIL NOTE:

1. IF AN OFFSITE SOIL SPOIL OR BORROW SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE SPOIL/BORROW SITE MUST BE INCLUDED IN THE LAND-DISTURBANCE PLAN AND PERMIT UNLESS THE SPOIL/BORROW SITE ALREADY HAS A SEPARATE LAND-DISTURBANCE PERMIT.

STAGE 1 SPECIFIC SEQUENCE:

1. INSTALL CONSTRUCTION ENTRANCE, SILT FENCING, SILT FENCE OUTLETS, DIVERSION DITCHES, AND SKIMMER BASINS AS SHOWN ON APPROVED STAGE 1 EROSION CONTROL PLAN. CLEAR AND GRADE ONLY AREAS NECESSARY TO INSTALL THESE EROSION AND SEDIMENT CONTROL DEVICES. INSTALL SILT FENCE OUTLETS AT LOW POINTS IN THE SILT FENCING AS NEEDED TO PREVENT BLOWOUTS.
2. STABILIZE ALL DISTURBED AREAS DOWNSTREAM OF SEDIMENT BASINS AND OTHER CRITICAL EROSION CONTROL AREAS IMMEDIATELY UPON INSTALLATION. ONCE APPROVED, BEGIN CLEARING AND GRADING REMAINDER OF THE SITE. MAINTAIN EROSION CONTROL DEVICES AS NEEDED. INSTALL DIVERSION DITCHES AS SHOWN ON THE STAGE 1 EROSION CONTROL PLANS. MAINTAIN DIVERSION DITCHES AS SITE IS BROUGHT TO FINAL GRADE IN ORDER TO DIVERT AS MUCH RUNOFF INTO SEDIMENT BASINS AS POSSIBLE.
3. STABILIZE GRADED AREAS AS THEY ARE CLEARED, TEMPORARILY SEED AND MULCH DENUDED AREAS PER THE WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE SEC. 12.10.4(B). ONCE FINAL GRADE HAS BEEN ACHIEVED, PAVE OR PERMANENTLY SEED ALL AREAS AND SLOPES PER NCDENR'S EROSION SEDIMENT CONTROL PLANNING AND DESIGN MANUAL VERSION 6/06, SECTION 6.10 AND 6.11.
4. MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAIN EVENT THROUGHOUT CONSTRUCTION.

STAGE 2 SPECIFIC SEQUENCE:

1. AFTER CONTRACTOR HAS COMPLETED ROUGH GRADING OPERATIONS:

   A. CONTRACTOR SHALL STABILIZE HOUSE LOTS EXCLUDING THE 60' WIDE LOTS WHICH MUST REMAIN UNDISTURBED WITH TEMPORARY SEEDING; REFER TO SEEDING DETAILS.

   B. CONTRACTOR SHALL PERMANENTLY STABILIZE ALL SLOPES AND/OR OTHER AREAS THAT ARE AT FINAL GRADE.

   C. COMPLETE OUTSTANDING RETAINING WALL CONSTRUCTION AND STABILIZE UPSLOPE.
2. INSTALL UTILITIES, INCLUDING STORM NETWORK. CONTRACTOR SHALL ONLY EXCAVATE THE AMOUNT OF TRENCH TO ALLOW FOR ONE DAY OF PIPE INSTALLATION.
3. CONTRACTOR SHALL USE BERMS, DIVERSIONS, AND PIPE INLET PROTECTION TO PREVENT SEDIMENT RUNOFF FROM ENTERING THE STORM SYSTEM.
4. INSTALL INLET PROTECTION ON ALL COMPLETED STORM STRUCTURES
5. UPON APPROVAL OF PERMANENT STABILIZATION, REMOVE BALANCE OF EROSION CONTROL MEASURES, GRADE AND STABILIZE REMAINDER OF SITE.
6. WITH APPROVAL OF EROSION CONTROL INSPECTOR, REMOVE THE REMAINER OF THE EROSION CONTROL DEVICES.

STAGE 3 SPECIFIC SEQUENCE:

1. IF 401 AND 404 ENVIRONMENTAL PERMITS HAVE NOT YET BEEN OBTAINED. MAINTAIN DOUBLE ROW OF SILT FENCE TO PROTECT THE ENVIRONMENTAL IMPACT AREAS AT THE CULVERT CROSSING.
2. INSTALL THE REMAINDER OF THE STORM NETWORK AND RETAINING WALLS. INSTALL INLET PROTECTION ON ALL STORM STRUCTURES.
3. CONTRACTOR SHALL TAKE SEDIMENT BASINS OFFLINE AND BRING LOTS TO FINAL GRADE. IMMEDIATELY STABILIZE DISTURBED AREAS WITH VEGETATION.
4. UPON APPROVAL OF PERMANENT STABILIZATION, REMOVE BALANCE OF EROSION CONTROL MEASURES, GRADE AND STABILIZE REMAINDER OF SITE.
5. WITH APPROVAL OF EROSION CONTROL INSPECTOR, REMOVE THE REMAINDER OF THE EROSION CONTROL DEVICES.

BASIN REMOVAL SEQUENCE :

1. SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
2. CONTACT NCDEQ – RALEIGH REGIONAL OFFICE (919) 791-4200 TO DETERMINE THE DIVISION OF ENERGY, MINERAL AND LAND RESOURCES CONTACT PERSON TO RECEIVE DEWATERING NOTIFICATIONS. AT LEAST 10 DAYS PRIOR TO BEGINNING DEWATERING ACTIVITY, SEND EMAIL TO NCDEQ-DEMLR CONTACT PERSON AND COPY ENVIRONMENTAL CONSULTANT THAT MET YOU ONSITE. THE EMAIL SHOULD INCLUDE: E&SC JURISDICTION: WAKE COUNTY, WAKE COUNTY PROJECT: NAME, NUMBER, AND LOCATION (CITY/TOWN), ENVIRONMENTAL CONSULTANT NAME, AND ADDRESS THE FOLLOWING:

   A. REASON FOR CONVERSION

   B. BASIN #

   C. DEWATERING METHOD

   D. ALL OTHER NECESSARY INFO FROM PART II, SECTION G, ITEM 4 OF THE NCG01. (KEEP EMAIL FOR YOUR NPDES MONITORING DOCUMENTATION)
3. AFTER RECEIVING POSITIVE CONFIRMATION FROM NCDEQ-DEMLR THAT YOU MAY REMOVE THE BASIN OR ON > DAY 11, WHICHEVER IS SOONER. REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
4. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ANCHOR ANY RESULTING BARE AREAS IMMEDIATELY.
5. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
6. WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION. NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS

EROSION CONTROL NARRATIVE:

1. THE PURPOSE OF THIS PLAN IS TO DEVELOP 390 LOTS RESIDENTIAL SUBDIVISION. LAND DISTURBANCE WILL BE KEPT TO THE MINIMUM AMOUNT NEEDED TO INSTALL THE INFRUSTRAUTRE, STORMWATER DEVICES AND ROUGH GRADED LOTS SHOWN ON THE PLANS.
2. EROSION SHALL BE CONTROLLED BY USING A COMBINATION OF TEMPORARY AND PERMANENT STABILIZATION MEASURES THROUGHOUT THE SITE. IN GENERAL STRIPPING OF VEGETATION, REGRADING OR OTHER DEVELOPMENT IS TO BE DONE IN SUCH A WAY THAT WILL MINIMIZE EROSION. EROSION AND SEDIMENT WILL BE CONTROLLED BY SILT FENCE, DIVERSION DITCHES, DAMS, SEDIMENT/SKIMMER BASINS, INLET AND OUTLET PROTECTION, SLOPE DRAINS AND EROSION CONTROLMATTING. CONSTRUCTION ENTRANCES WILL PROVIDE ACCESS TO THE SITE. THE AMOUNT OF DISTURBED AREA AND THE DURATION OF EXPOSURE WILL BE KEPT TO A PRACTICAL MINIMUM AND PERMANENT VEGETATION AND SCM'S WILL BE INSTALLED AS SOON AS POSSIBLE TO PREVENT EROSION.

EROSION CONTROL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ROLESVILLE STANDARDS, SPECIFICATIONS AND DETAILS.
2. GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE TOWN OF ROLESVILLE SOIL AND EROSION CONTROL STANDARDS AND SPECIFICATIONS.
3. GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER QUALITY (DWQ) STANDARDS AND SPECIFICATIONS. WHERE DIFFERENT FROM WAKE COUNTY STANDARDS, THE MORE STRINGENT METHOD SHALL BE APPLIED.
4. FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE FINANCIALLY RESPONSIBLE PARTY TO FINES AND PENALTIES ISSUED BY EITHER THE WAKE COUNTY EROSION CONTROL DEPARTMENT OR THE DWQ.
5. CONTRACTOR SHALL SEED AND STABILIZE ALL STEEP SLOPES (GREATER THAN 2H:1V) WITHIN 7 DAYS, 10 DAYS FOR MODERATE SLOPES (3H:1V OR GREATER) AND WITHIN 14 CALENDAR DAYS EVERYWHERE ELSE (STATE LAW 2009-486).
6. FOR ANY LAND-DISTURBING ACTIVITY WHERE GRADING ACTIVITIES HAVE BEEN COMPLETED, TEMPORARY OR PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION SHALL BE PROVIDED AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER COMPLETING THE WORK. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE ON THE PLAN.
7. NO DEBRIS SHALL BE TRACKED ONTO PUBLIC RIGHT OF WAY. IF THE SITUATION OCCURS WHERE MUD, ROCK AND DEBRIS IS TRACKED ONTO PAVEMENT, THE CONTRACTOR SHALL CLEAN THE PAVEMENT AND INSTALL ADDITIONAL MEASURES TO PREVENT THE FUTURE OCCURRENCE.
8. THE EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL FIELD MEASURES AS NECESSARY TO PROVIDE ADEQUATE PROTECTION FROM RECEIVING WATER COURSES.
9. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. THE CONTRACTOR SHALL CALL FOR AN INSPECTION BY NCDEQ ONCE INITIAL MEASURES ARE IN PLACE. (SEE CONSTRUCTION SEQUENCES)
10. CONTRACTOR SHALL INSPECT ALL SEDIMENT /EROSION CONTROL DEVICES AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
11. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
12. CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GRADING CONTRACTOR UNLESS OTHERWISE NOTED.
13. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
14. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY/COUNTY ENGINEERING DEPARTMENT AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
15. PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE STRIPPING OF TOPSOIL OR LOWERING OF EXISTING GRADE AROUND A TREE, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA AND SHALL BE POSTED ON THE PROTECTION FENCE. A PROTECTION FENCE CONSTRUCTED OF MATERIAL RESISTANT TO DEGRADATION BY SUN, WIND, AND MOISTURE FOR THE DURATION OF THE CONSTRUCTION, SHALL BE INSTALLED AT THE SAME TIME AS THE EROSION CONTROL MEASURES AND SHALL BE IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE.
16. A CONSTRUCTION SEQUENCE HAS BEEN PROVIDED. INSTALLATION OF ALL PROPOSED SEDIMENTATION & EROSION CONTROL MEASURES IN THE SEQUENCE(S) PROVIDED AND MAINTENANCE OF THOSE DEVICES IS REQUIRED. THE CONTRACTOR MAY BE ALLOWED, WITH PRIOR APPROVAL FROM THE OWNER, TO COORDINATE CHANGES TO THE PLAN WITH THE ON-SITE SEDIMENTATION & EROSION CONTROL INSPECTOR AND THE ENGINEER.
17. PROVIDE INLET PROTECTION AROUND ALL SITE STORM INLETS. PROTECT OPEN PIPES UNDER CONSTRUCTION WITH EITHER PLYWOOD OR WITH MESH AND GRAVEL WEIRS. RUNOFF SHALL NOT BE ALLOWED IN ANY OPEN TRENCH.
18. CONTRACTOR WILL FIELD LOCATE SILT FENCE OUTLETS AT LOW POINTS IN SILT FENCE AS REQUIRED TO PROVIDE RELIEF FROM CONCENTRATED FLOWS AND PONDING.
19. TEMPORARY DIVERSIONS SHALL BE MAINTAINED DAILY BY CONTRACTOR SO THAT THEY ARE FUNCTIONAL AT THE END OF EACH WORKDAY AND WHEN STOPPING WORK FOR RAIN.
20. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
21. DISTURBANCE OUTSIDE OF THE SITE PROPERTY LIMITS OR PUBLIC RIGHT-OF-WAY SHALL ONLY BE AS ALLOWED BY SIGNED GRADING AGREEMENTS AND/OR EASEMENTS BETWEEN THE DEVELOPER AND THE OFFSITE PROPERTY OWNER.
22. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE OPEN ACCESS TO ALL PROPERTIES ALONG ADJACENT PROPERTIES DURING CONSTRUCTION PERIOD FOR IMPROVEMENTS.
23. SLOPES GREATER THAN 3:1 AND/OR GREATER THAN 10' IN VERTICAL DIFFERENCE SHALL BE INSTALLED WITH ROLLED EROSION CONTROL PRODUCT IMMEDIATELY UPON INSTALLATION.

OFFSITE SPOIL NOTE:

1. IF AN OFFSITE SOIL SPOIL OR BORROW SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE SPOIL/BORROW SITE MUST BE INCLUDED IN THE LAND-DISTURBANCE PLAN AND PERMIT UNLESS THE SPOIL/BORROW SITE ALREADY HAS A SEPARATE LAND-DISTURBANCE PERMIT..

CHANNEL LINING	LENGTH (FT)	START POINT ELEV.	END POINT ELEV.	DRAINAGE AREA (AC)	SLOPE	SIDESLOPE (X:1)	DEPTH (FT)	BOTTOM WIDTH (FT)	TOP WIDTH (FT)	VELOCITY (FT/S)	Q10 FLOW (CFS)	LINING TYPE
CL #1	261	284.40	278.60	1.32	2.2%	2	1.5	2	8	9.14	2.83	AM. EXCELSIOR CO.; STRAW; 2 NETS
CL #2	528	309.70	282.80	4.59	5.1%	2	1.5	2	8	13.84	9.82	AM. EXCELSIOR CO.; CURLEX HIGH VELOCITY; 2 NETS
CL #3	332	299.30	291.60	0.52	2.3%	2	1.5	2	8	9.34	1.11	GEOCOIR/DEKOWE; STRAW; RS-1
CL #4	135	315.60	302.60	0.14	9.6%	2	1.5	2	8	19.02	0.29	GEOCOIR/DEKOWE; STRAW; RS-1
CL #5	690	308.00	280.00	7.78	4.1%	2	1.5	2	8	12.35	16.64	GEOCOIR/DEKOWE; STRAW; RS-1
CL #6	706	322.00	278.00	1.32	6.2%	2	1.5	2	8	15.31	2.81	AM. EXCELSIOR CO.; STRAW; 1 NET
CL #7	318	297.60	290.50	1.60	2.2%	2	1.5	2	8	9.16	3.43	GEOCOIR/DEKOWE; STRAW; RS-1
CL #8	912	338.30	292.00	8.62	5.1%	2	1.5	2	8	13.81	18.45	GEOCOIR/DEKOWE; STRAW; RS-1
CL #9	436	313.00	270.00	0.48	9.9%	2	1.5	2	8	19.25	1.03	AM. EXCELSIOR CO.; STRAW; 2 NETS
CL #10	341	300.00	272.20	0.50	8.2%	2	1.5	2	8	17.51	1.07	GEOCOIR/DEKOWE; STRAW; RS-1
CL #11	492	340.00	324.50	4.03	3.2%	2	1.5	2	8	10.88	9.87	GEOCOIR/DEKOWE; STRAW; RS-1
CL #12	984	354.90	301.90	5.30	5.4%	2	1.5	2	8	14.23	12.97	GEOCOIR/DEKOWE; STRAW; RS-1
CL #13	155	315.20	305.40	0.50	6.3%	2	1.5	2	8	15.42	1.23	GEOCOIR/DEKOWE; STRAW; RS-1
CL #14	108	289.40	281.60	0.11	7.2%	2	1.5	2	8	16.48	0.26	GEOCOIR/DEKOWE; STRAW; RS-1
CL #15	338	294.10	263.50	0.79	9.1%	2	1.5	2	8	18.45	1.92	GEOCOIR/DEKOWE; STRAW; RS-1
CL #16	258	303.00	292.50	0.82	4.1%	2	1.5	2	8	12.37	2.00	GEOCOIR/DEKOWE; STRAW; RS-1
CL #17	410	310.00	296.40	0.86	3.3%	2	1.5	2	8	11.17	2.11	GEOCOIR/DEKOWE; STRAW; RS-1
CL #18	910	283.70	253.70	4.92	3.3%	2	1.5	2	8	11.13	12.04	GEOCOIR/DEKOWE; STRAW; RS-1
CL #19	340	288.00	257.80	0.92	8.9%	2	1.5	2	8	18.27	2.24	GEOCOIR/DEKOWE; STRAW; RS-1

TEMPORARY SEDIMENT BASIN SUMMARY

NUMBER	REQUIRED VOLUME (CUBIC FEET)	REQUIRED SURFACE AREA (SQUARE FEET)	TOP WIDTH (FT)	TOP LENGTH (FT)	BOTTOM WIDTH (FT)	BOTTOM LENGTH (FT)	SKIMMER SIZE (IN)	ORIFICE SIZE (IN)	DEPTH (FT)
1	12,578	6,502	50	150	32	132	2.00	2.00	3.00
2	17,776	9,189	80	150	62	132	2.00	2.00	3.00
3	20,132	10,407	40	300	22	282	2.50	2.50	3.00
4	3,990	2,063	45	150	27	132	1.50	1.25	3.00
5	14,300	7,392	60	160	42	142	2.00	2.00	3.00
6	4,492	2,322	55	380	37	362	2.50	2.25	3.00
7	1,957	1,012	75	55	57	37	2.00	0.75	3.00
8	12,747	6,589	45	200	27	182	2.00	2.00	3.00

GENERAL SEQUENCE:

ENFORCEMENT NOTE 1. FAILURE TO FOLLOW THIS CONSTRUCTION SEQUENCE MAY RESULT IN LOCAL ENFORCEMENT ACTIONS, INCLUDING BUT NOT LIMITED TO CIVIL PENALTIES TO $5000 PER VIOLATION PER DAY, INJUNCTIVE RELIEF, CRIMINAL PENALTIES, AND PERMIT REVOCATION. ADDITIONALLY, OFF-SITE SEDIMENTATION MAY RESULT IN RESTORATION REQUIREMENTS.

ENFORCEMENT NOTE 2. IF THE WAKE COUNTY S&E STAFF DETERMINES THAT EXCESSIVE SEDIMENT IS LEAVING THE SITE, A REVISED SEDIMENTATION AND EROSION CONTROL PLAN MAY BE REQUIRED, WITH ASSOCIATED REQUIREMENTS FOR ADDITIONAL S&E MEASURES.

CONSTRUCTION SEQUENCE

1. SCHEDULE AND HOLD A PRE-CONSTRUCTION CONFERENCE PRIOR TO BEGINNING ANY LAND-DISTURBING ACTIVITIES. THIS CONFERENCE SHOULD BE ATTENDED BY A REPRESENTATIVE OF THE FINANCIALLY RESPONSIBLE PARTY AND/OR THE GENERAL CONTRACTOR, GRADING SUB-CONTRACTOR, EROSION CONTROL SUB-CONTRACTOR AND THE WAKE COUNTY S&E OFFICE.
2. OBTAIN LAND DISTURBING PERMIT AND PLACARD, AND POST THE PLACARD ON SITE.
3. OBTAIN AN APPROVED (STAMPED) S&E CONTROL PLAN AND KEEP IT ON SITE, EITHER IN THE INSPECTION BOX, CONSTRUCTION OFFICE OR WITH THE CONTRACTOR.
4. INSTALL CONSTRUCTION EGRESS/EXITS, SILT FENCING, SEDIMENT TRAPS/BASINS, DIVERSION DITCHES, TEMPORARY PIPES, CLEAR WATER DIVERSIONS, CHECK DAMS, AND OTHER INITIAL EROSION CONTROL MEASURES AS SPECIFIED IN THE PLAN (PHASE 1). REMOVE ONLY TREES AND GROUND COVER NECESSARY TO INSTALL THESE DEVICES.
5. IF A STOCKPILE IS NECESSARY DUE TO EXCAVATION OF THE SEDIMENT TRAP/BASIN, PLACE A DOUBLE ROW OF SILT FENCE 10 FEET APART. TREES AND GROUNDCOVER MAY BE REMOVED ONLY AS NECESSARY FOR THIS STOCKPILE. IF MATERIAL IS GOING TO BE HAULED OFF-SITE, A SEPARATE EROSION CONTROL PERMIT MUST BE OBTAINED FOR THE DESTINATION OF THE MATERIAL.
6. PROVIDE TEMPORARY GROUNDCOVER FOR DIVERSION DITCHES AND SEDIMENT TRAPS/BASINS WITHIN 3 DAYS OF COMPLETION.
7. NOTIFY THE WAKE COUNTY S&E SITE INSPECTOR AFTER MEASURES HAVE BEEN INSTALLED AND PROJECT HAS STARTED.
8. BEGIN CLEARING, GRUBBING AND GRADING OF SITE IN ACCORDANCE WITH THE APPROVED S&E CONTROL PLAN.
9. FOR ANY LAND-DISTURBING ACTIVITY WHERE GRADING ACTIVITIES HAVE BEEN COMPLETED, TEMPORARY OR PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION SHALL BE PROVIDED AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER COMPLETING THE WORK. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE ON THE PLAN.
10. REMOVE ALL EROSION CONTROL MEASURES AFTER THE WAKE COUNTY S&E OFFICE APPROVAL OF PERMANENT STABILIZATION.

LIMITS OF DISTURBANCE: 2,947,222 SF (67.66 AC)

CONSTRUCTION SEQUENCE:

1. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL CONSULTANT. OBTAIN A LANDDISTURBING PERMIT.
2. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
3. CALL ENVIRONMENTAL CONSULTANT FOR AN ONSITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT TO OBTAIN A CERTIFICATE OF COMPLIANCE.
4. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
5. INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
6. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
7. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL ENVIRONMENTAL CONSULTANT FOR AN INSPECTION.
8. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
9. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT. OBTAIN A CERTIFICATE OF COMPLETION.

   KARYN PAGEAU AT 919-796-8769 AS ENVIRONMENTAL CONSULTANT.
10. WAKE COUNTY MUST GRANT PERMISSION TO CONVERT THE SEDIMENT BASIN OVER TO STORMWATER USE PRIOR TO COMPLETING ANY RELATED WORK

No.	REVISIONS	DATE	BY
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02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL

STRONG ROCK ENGINEERING GROUP

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

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

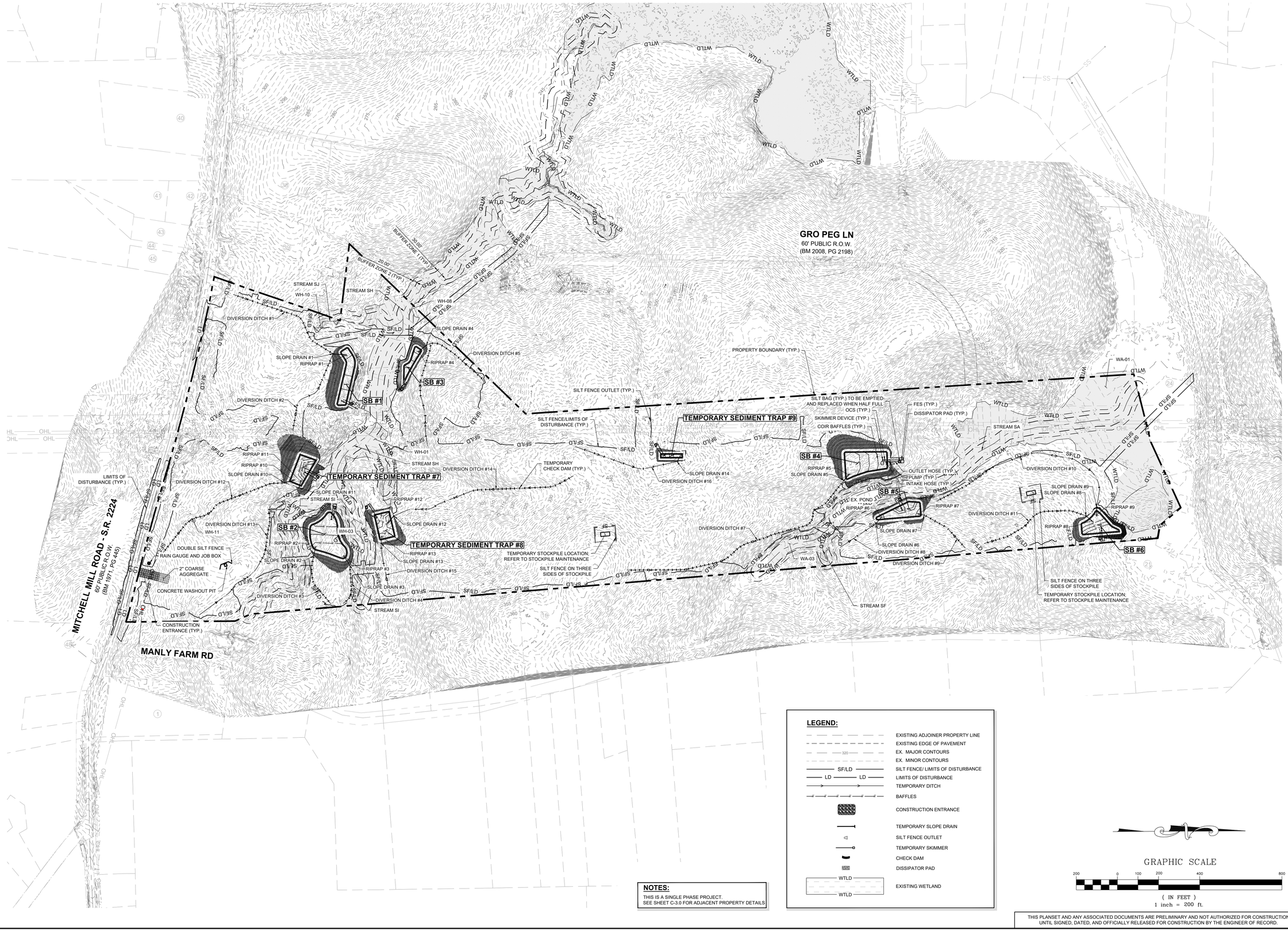
EROSON CONTROL NOTES

DRAWING SHEET

C-9.0

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PROGRESS PLOT DATE: 05/08/2025



LEGEND:

- EXISTING ADJOINER PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- SILT FENCE/ LIMITS OF DISTURBANCE
- LIMITS OF DISTURBANCE
- TEMPORARY DITCH
- BAFFLES
- CONSTRUCTION ENTRANCE
- TEMPORARY SLOPE DRAIN
- SILT FENCE OUTLET
- TEMPORARY SKIMMER
- CHECK DAM
- DISSIPATOR PAD
- EXISTING WETLAND

NOTES:

THIS IS A SINGLE PHASE PROJECT.
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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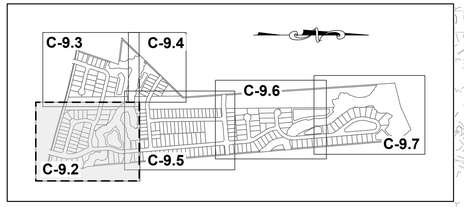
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - OVERALL STAGE 1

DRAWING SHEET
C-9.1

48 OF 128

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0

MATCH LINE
FOR CONTINUATION, SEE C-9.3

MATCH LINE
FOR CONTINUATION, SEE C-9.5

ELECTRIC EASEMENT
STREAM SH
TEMPORARY SEDIMENT TRAP #7
RIPRAP #10
SLOPE DRAIN #10
RIPRAP #11
SLOPE DRAIN #11
TEMPORARY CHECK DAM (TYP.)
DIVERSION DITCH #12
DIVERSION DITCH #13
STREAM SH
DISSIPATOR PAD (TYP.)
FES (TYP.)
SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL
OUTLET HOSE (TYP.)
PUMP (TYP.)
INTAKE HOSE (TYP.)
OCS (TYP.)
SKIMMER DEVICE (TYP.)
COIR BAFFLES (TYP.)
STREAM SI
SB #2
SLOPE DRAIN #12
RIPRAP #12
WH-01
LIMITS OF DISTURBANCE (TYP.)
WETLANDS (WH-11)
RIPRAP #2
SLOPE DRAIN #2
RIPRAP #13
SLOPE DRAIN #13
TEMPORARY SEDIMENT TRAP #8
WH-03
DOUBLE SILT FENCE
CONCRETE WASHOUT PIT
RAIN GAUGE AND JOB BOX
2" COARSE AGGREGATE
CONSTRUCTION ENTRANCE
RIPRAP #3
SLOPE DRAIN #3
DIVERSION DITCH #3
DIVERSION DITCH #15
DIVERSION DITCH #4
30.00' BUFFER ZONE 1 (TYP.)
20.00' BUFFER ZONE 2 (TYP.)
SILT FENCE OUTLET (TYP.)
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
STREAM SI

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

MANLY FARM RD

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES, ET,AL
PIN: 1757856303
DB: 13359 PG: 400
ZONING: R-30 (WC) USE: AG

N/F
JONES PROPERTIES LLC
PIN: 1757856755
DB: 12895 PG: 505
BM: 1993 PG: 446
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCER
PIN: 1757857937
DB: 9320 PG: 1460
BM 1993 PG 446
ZONING: R-30 (WC) USE: SF

N/F
ANDERSON, BOBBY G
PIN: 1757868104
DB: 8776 PG: 573
BM 1993 PG 446
ZONING: R-30 (WC) USE: MO

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

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

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SEAL:

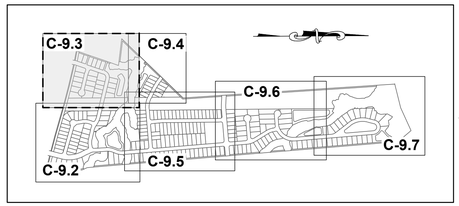
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STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-9.2

49 OF 128



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0

N/F
UTILITY THREE BUILDERS INC
PIN: 1757656231
DB: 18226 PG: 2104
ZONING: R-30 (WC) USE: SF

N/F
PREDDY, GENADIUS MAC PREDDY, MATTIE F
PIN: 1757656586
DB: 1882 PG: 342
ZONING: R-30 (WC) USE: S

WILLIE RAY SUTTON AND WIFE, PAMELA Z. SUTTON
PIN: 1757657280
DB 2958 PG 536
BM 1981 PG 294
ZONING: R-30 (WC)
USE: SF

N/F
UTILITY THREE BUILDERS INC
PIN: 1757646703
DB: 18226 PG: 2104
BM: 1981 PG:895
ZONING: R-30 (WC)
USE: SF

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
HAMPTON, MELODY L
PIN: 1757754163
DB: 4777 PG: 764
BM 1990 PG 511
ZONING: R-30 (WC) USE: SF

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

BM2017-PG210

MATCH LINE
FOR CONTINUATION, SEE C-9.4

MATCH LINE
FOR CONTINUATION, SEE C-9.2

SILT FENCE OUTLET (TYP.)
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
LIMITS OF DISTURBANCE (TYP.)
TEMPORARY CHECK DAM (TYP.)
DIVERSION DITCH #1
DIVERSION DITCH #2
SLOPE DRAIN #1
RIPRAP #1
COIR BAFFLES (TYP.)
STREAM SJ
STREAM SH
WH-10
SB #1
INTAKE HOSE (TYP.)
SKIMMER DEVICE (TYP.)
20.00' BUFFER ZONE 2 (TYP.)
30.00' BUFFER ZONE 1 (TYP.)
OCS (TYP.)
PUMP (TYP.)
OUTLET HOSE (TYP.)
SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL
FES (TYP.)
DISSIPATOR PAD (TYP.)

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

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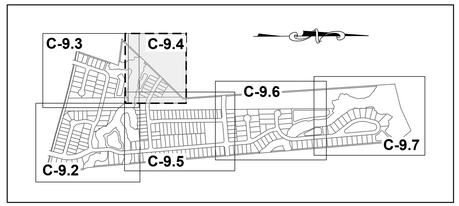
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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 1

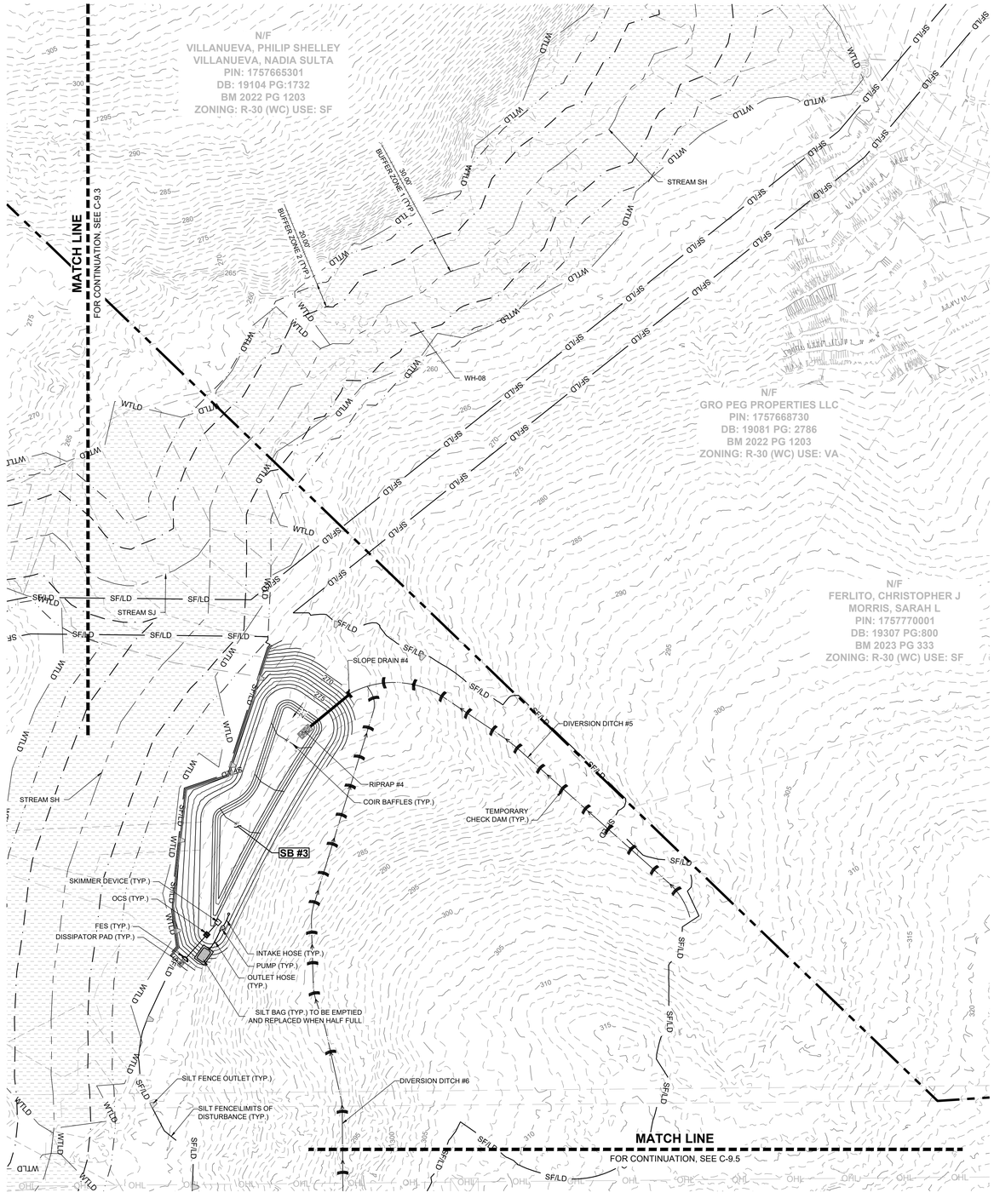
DRAWING SHEET
C-9.3

50 OF 128



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
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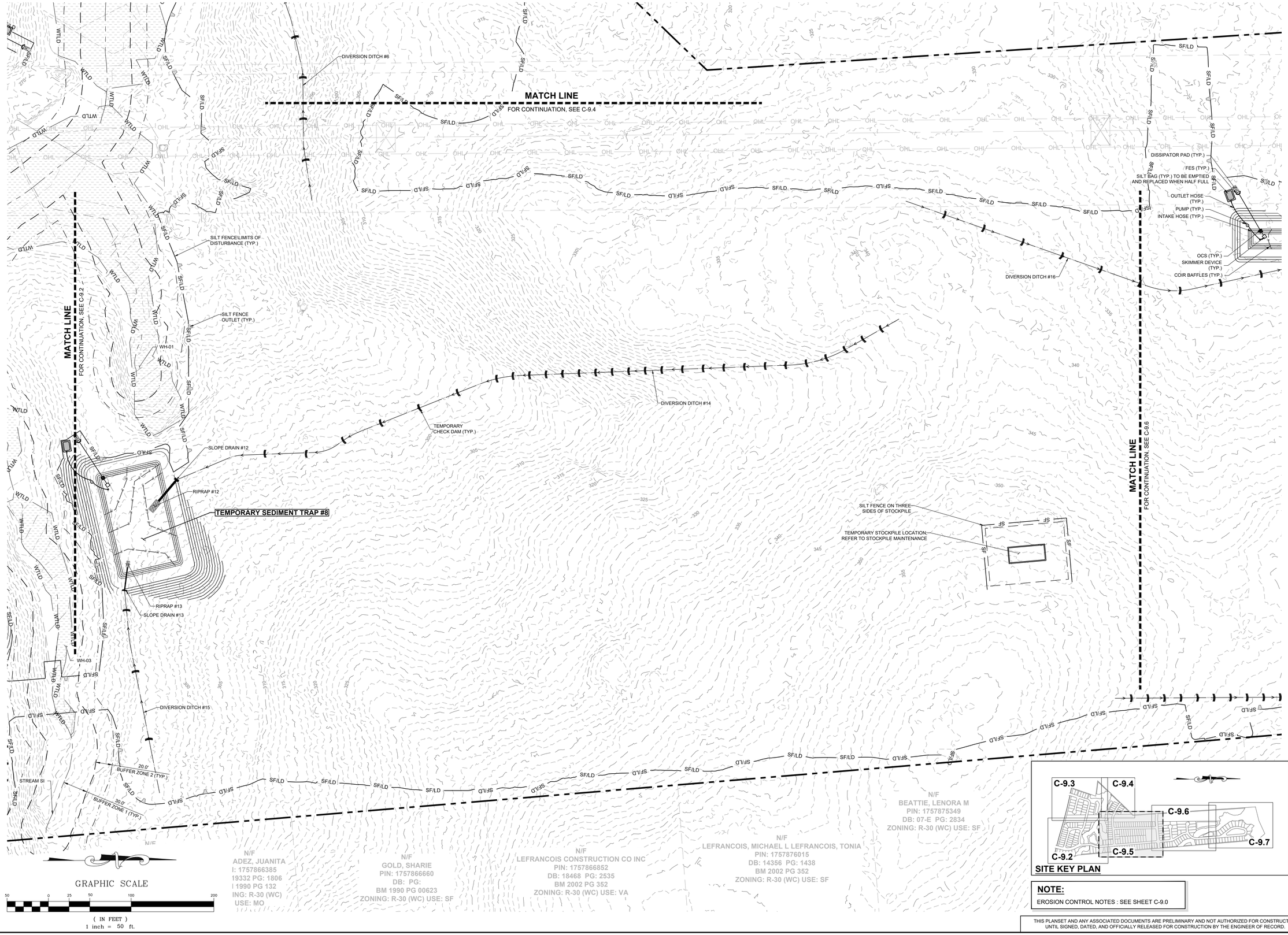
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-9.4

51 OF 128

PROGRESS PLOT DATE: 05/08/2025



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

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

SITE KEY PLAN

NOTE:

EROSION CONTROL NOTES : SEE SHEET C-9.0

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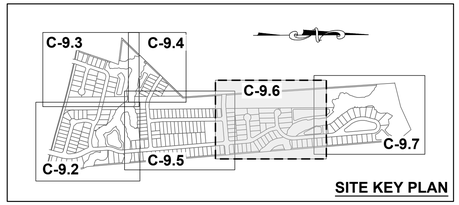
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET

C-9.5

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

NOTE:

EROSION CONTROL NOTES : SEE SHEET C-9.0

N/F
GRO PEG PROPERTIES LLC
PIN: 1757771603
DB: 18359 PG:1707
BM 2023 PG 333
ZONING: R-30 (WC) USE: VA

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757780258
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: SF

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757781960
DB: 14863 PG: 2493
BM 2009 PG 645
ZONING: R-30 (WC) USE: VA

MATCH LINE
FOR CONTINUATION, SEE C-9.7

MATCH LINE
FOR CONTINUATION, SEE C-9.5

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

TEMPORARY SEDIMENT TRAP #9

RIPRAP #14

SLOPE DRAIN #14

DIVERSION DITCH #16

ELECTRIC EASEMENT
180.0'

COIR BAFFLES (TYP.)

SKIMMER DEVICE (TYP.)

OCS (TYP.)

FES (TYP.)

DISSIPATOR PAD (TYP.)

SB #4

SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL

OUTLET HOSE (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

RIPRAP #5

SLOPE DRAIN #5

DIVERSION DITCH #7

WA-04

STREAM SA

EXISTING POND 1

RIPRAP #6

SLOPE DRAIN #6

DIVERSION DITCH #8

SB #5

RIPRAP #7

SLOPE DRAIN #7

DIVERSION DITCH #9

TEMPORARY CHECK DAM (TYP.)

WA-03

STREAM SA

STREAM SF

BUFFER ZONE 1 (TYP.)

30.0'

BUFFER ZONE 2 (TYP.)

50.0'

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

N/F
LEFRANCOIS, STEPHEN D
PIN: 1757874787
DB: 5638 PG: 497
ZONING: R-30 (WC) USE: SF

N/F
ADAMS, BENJAMIN ADAMS, WHITNEY
PIN: 1757874938
DB: 18930 PG: 1511
BM 2006 PG 2397
ZONING: R-30 (WC) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1757884137
DB: 11404 PG: 2275
BM 1986 PG 01374
ZONING: R-30 (WC) USE: MO

N/F
JONES PROPERTIES LLC
PIN: 1757884420
DB: 12589 PG: 1045
BM 1986 PG 1374
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757884608
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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

No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL:

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

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

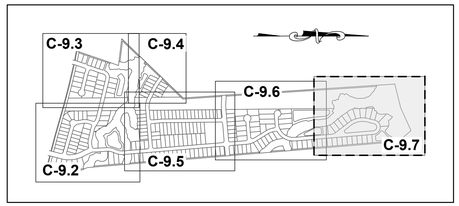
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET

C-9.6

53 OF 128

PROGRESS PLOT DATE: 05/08/2025



NOTE:

EROSION CONTROL NOTES : SEE SHEET C-9.0

SITE KEY PLAN

MATCH LINE
FOR CONTINUATION, SEE C-9.6

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2008, PG 2198)

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757790646
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES E
PIN: 1757694902
DB: 8581 PG: 2079
BM 2018 PG 390
ZONING: R-30 (WC) USE: VA

WA-01

BUFFER ZONE 2 (TYP.)
20.00'

BUFFER ZONE 1 (TYP.)
30.00'

STREAM SA

STREAM SA

ELECTRIC EASEMENT
180.0'

N/F
FORRESTER, JENNIFER N
FORRESTER, HAYES G
PIN: 1758707313
DB: 12620 PG: 2172
ZONING: RL (RO) USE: SF

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

TEMPORARY CHECK DAM (TYP.)

DIVERSION DITCH #10

TEMPORARY STOCKPILE LOCATION; REFER TO STOCKPILE MAINTENANCE

SILT FENCE ON THREE SIDES OF STOCKPILE

DIVERSION DITCH #11

SLOPE DRAIN #9

SLOPE DRAIN #8

RIPRAP #9

RIPRAP #8

COIR BAFFLES (TYP.)

SB #6

INTAKE HOSE (TYP.)
PUMP (TYP.)
OUTLET HOSE (TYP.)
SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL

SKIMMER DEVICE (TYP.)
OCS (TYP.)
FES (TYP.)
DISSIPATOR PAD (TYP.)

SB #5

RIPRAP #7
SLOPE DRAIN #7
DIVERSION DITCH #9

N/F
RGA CONSULTING LLC
PIN: 757893646
DB: 15770 PG: 1169
BM 2010 PG 725
ZONING: R-30 (WC) USE: VA

N/F
JONES PROPERTIES LLC
PIN: 1758805144
DB: 11187 PG: 542
BM 1971 PG 445
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757894101
DB: 2590 PG: 622
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757893394
DB: 2478 PG: 210
ZONING: R-30 (WC) USE: MO

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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SEAL:

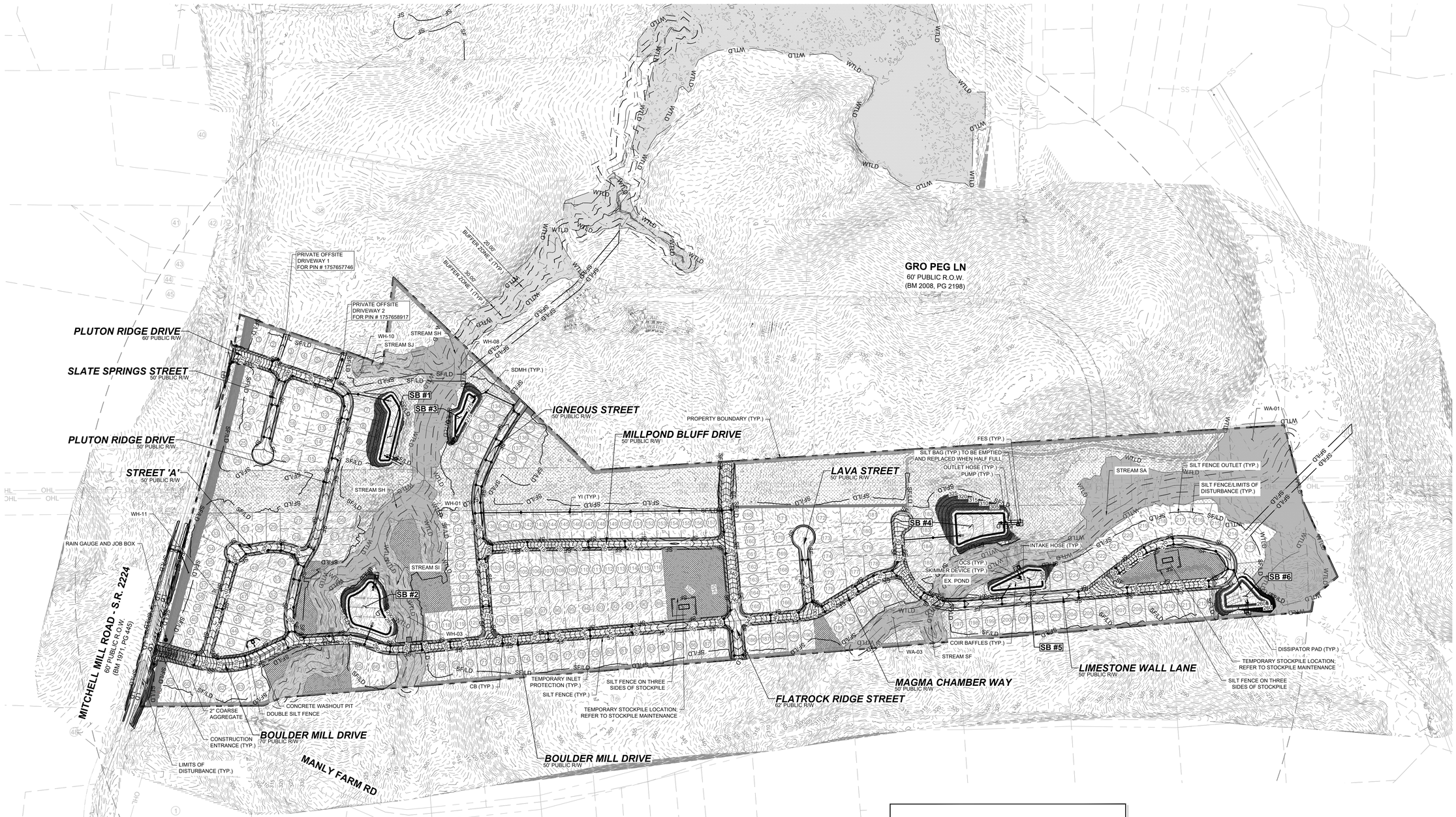
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONGS ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-9.7

54 OF 128



NOTES:

THIS IS A SINGLE PHASE PROJECT.
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- EXISTING ADJOINER PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- STANDARD CURB & GUTTER
- PROPOSED STORM DRAIN LINE
- PROPOSED LOT LINE
- SILT FENCE/ LIMITS OF DISTURBANCE
- LIMITS OF DISTURBANCE
- BAFFLES
- INLET PROTECTION
- PROPOSED FLARED END SECTION
- TEMPORARY SKIMMER
- SILT FENCE OUTLET
- CONSTRUCTION ENTRANCE
- DISSIPATOR PAD
- EXISTING WETLAND

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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SEAL:

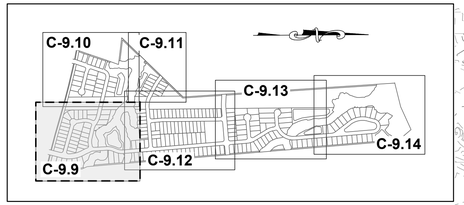
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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - OVERALL STAGE 2

DRAWING SHEET
C-9.8

55 OF 128



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0

MATCH LINE
FOR CONTINUATION, SEE C-9.10

MATCH LINE
FOR CONTINUATION, SEE C-8.12

STREET 'A'
50' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

BOULDER MILL DRIVE
70' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

MANLY FARM RD

ELECTRIC EASEMENT

TEMPORARY INLET PROTECTION (TYP.)

CB (TYP.)

SILT FENCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

WH-11

WH-01

WH-03

RAIN GAUGE AND JOB BOX

DOUBLE SILT FENCE

CONCRETE WASHOUT PIT

2" COARSE AGGREGATE

CONSTRUCTION ENTRANCE

STREAM SH

STREAM SI

SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL

DISSIPATOR PAD (TYP.)

FES (TYP.)

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

OUTLET HOSE (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

OCS (TYP.)

SKIMMER DEVICE (TYP.)

SILT FENCE OUTLET (TYP.)

COIR BAFFLES (TYP.)

SB #2

PARK I

PARK II

DOG PARK

COMMUNITY PARK

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES, ET,AL
PIN: 1757856303
DB: 13359 PG: 400
ZONING: R-30 (WC) USE: AG

N/F
JONES PROPERTIES LLC
PIN: 1757856755
DB: 12895 PG: 505
BM: 1993 PG: 446
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCER
PIN: 1757857937
DB: 9320 PG: 1460
BM 1993 PG 446
ZONING: R-30 (WC) USE: SF

N/F
ANDERSON, BOBBY G
PIN: 1757868104
DB: 8776 PG: 573
BM 1993 PG 446
ZONING: R-30 (WC) USE: MO

N/F
HERNADEZ, JUANITA
PIN: 1757866385
DB: 19332 PG: 1806
BM 1990 PG 132
ZONING: R-30 (WC) USE: MO

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

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SEAL:

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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
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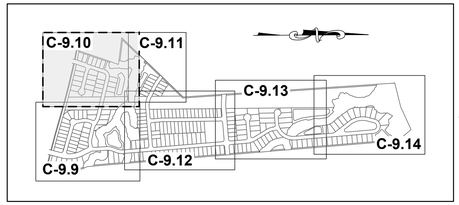
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-9.9

56 OF 128

PROGRESS PLOT DATE: 05/08/2025



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0

N/F
UTILITY THREE BUILDERS INC
PIN: 1757656231
DB: 18226 PG: 2104
ZONING: R-30 (WC) USE: SF

N/F
PREDDY, GENADIUS MAC PREDDY, MATTIE F
PIN: 1757656586
DB: 1882 PG: 342
ZONING: R-30 (WC) USE: S

WILLIE RAY SUTTON AND WIFE, PAMELA Z. SUTTON
PIN: 1757657280
DB 2958 PG 536
BM 1981 PG 294
ZONING: R-30 (WC)
USE: SF

N/F
UTILITY THREE BUILDERS INC
PIN: 1757646703
DB: 18226 PG: 2104
BM: 1981 PG:895
ZONING: R-30 (WC)
USE: SF

N/F
SOUTHVIEW INVESTMENT LLC
PIN: 1757738451
DB: 19248 PG: 2000
ZONING: R-30 (WC) USE: SF

N/F
HAMPTON, MELODY L
PIN: 1757754163
DB: 4777 PG: 764
BM 1990 PG 511
ZONING: R-30 (WC) USE: SF

PLUTON RIDGE DRIVE
60' PUBLIC R/W

SLATE SPRINGS STREET
50' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R.O.W.
(BM 1971, PG 445)

PRIVATE OFFSITE DRIVEWAY 1
FOR PIN # 1757657746

PRIVATE OFFSITE DRIVEWAY 2
FOR PIN # 1757658917

SILT FENCE OUTLET (TYP.)

SILT FENCE LIMITS OF DISTURBANCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

SILT FENCE (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

CB (TYP.)

YI (TYP.)

DI (TYP.)

SDMH (TYP.)

WH-10

STREAM SJ

STREAM SH

SB #1

BUFFER ZONE 2 (TYP.) 20.00'

BUFFER ZONE 1 (TYP.) 30.00'

COIR BAFFLES (TYP.)

OUTLET HOSE (TYP.)

SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL

FES (TYP.)

DISSIPATOR PAD (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

OCS (TYP.)

SKIMMER DEVICE (TYP.)

BM2017-PG 210

INV:312.1'
INV 15RCP

INV:322.6'
INV 15RCP

INV: 322.8'
INV: 15RCP

MATCH LINE
FOR CONTINUATION, SEE C-9.11

MATCH LINE
FOR CONTINUATION, SEE C-9.9

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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02.	TOWN OF ROLESVILLE V2-CID-24-07	02/03/2025	SREG

SEAL:

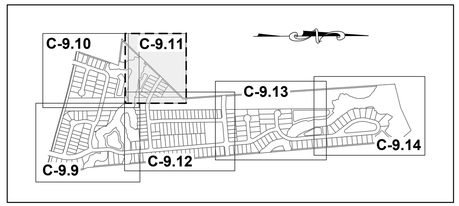
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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 2

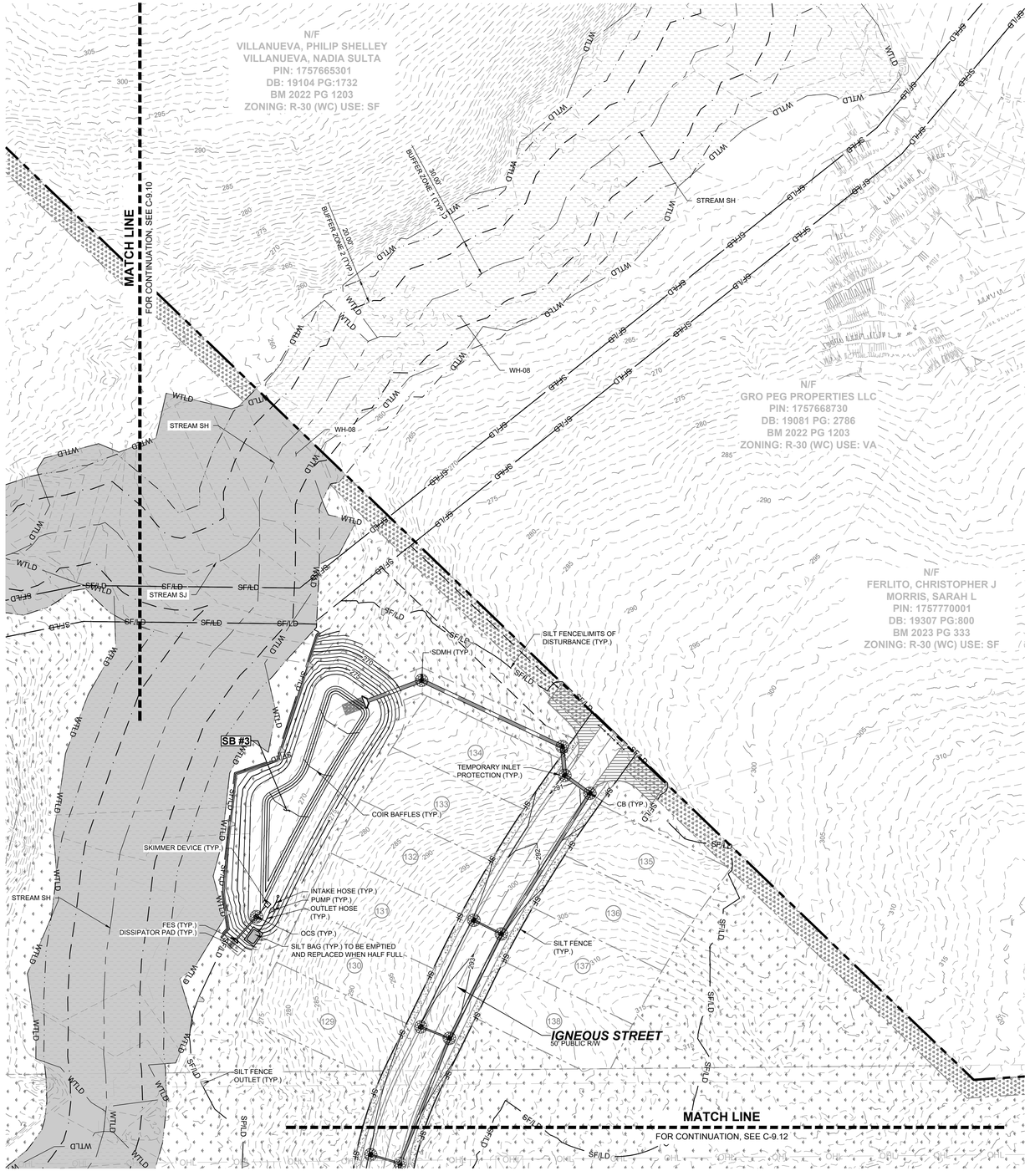
DRAWING SHEET
C-9.10

57 OF 128



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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SEAL:

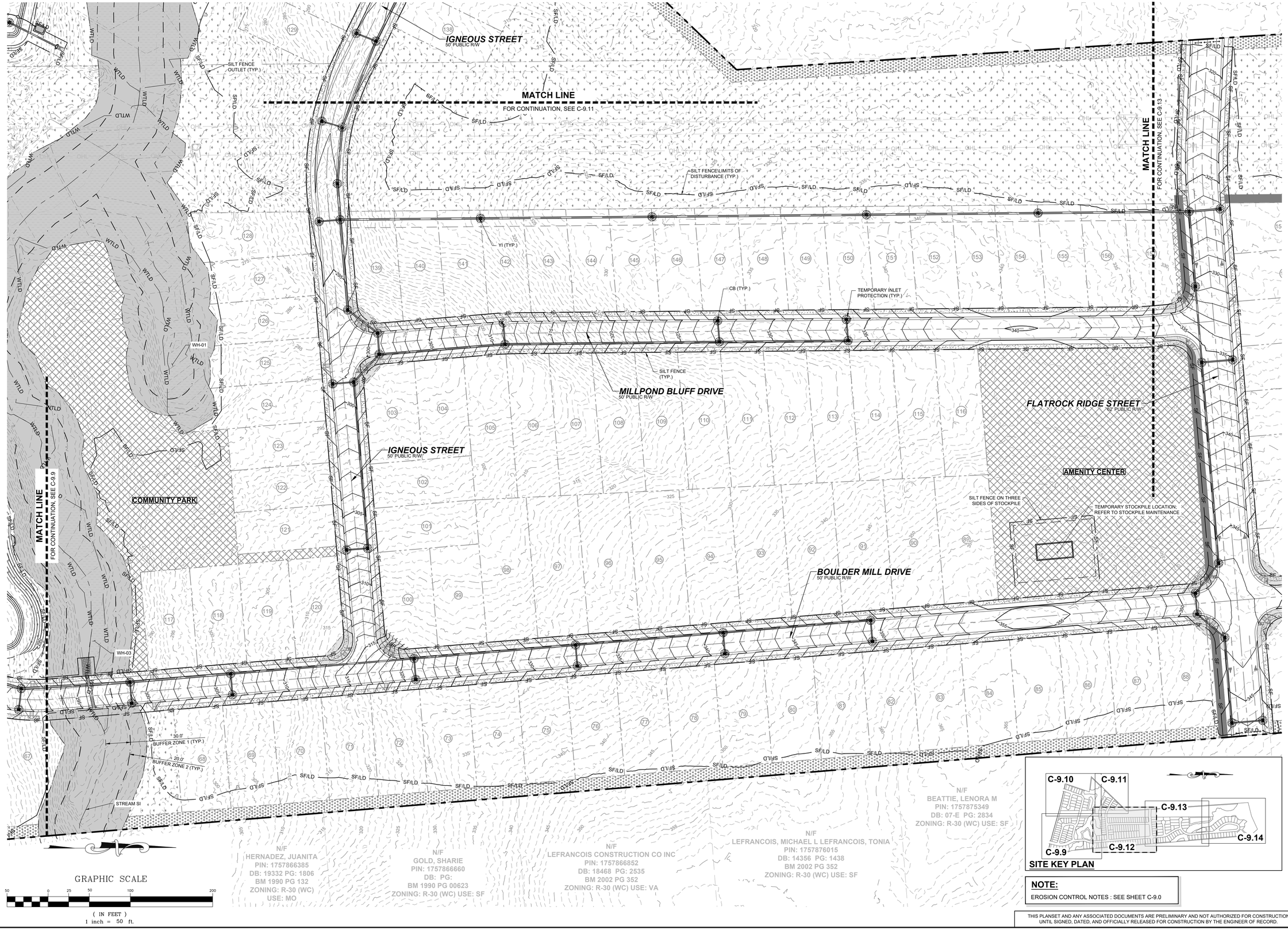
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-9.11

PROGRESS PLOT DATE: 05/08/2025



C-9.10 C-9.11 C-9.13 C-9.14 C-9.9 C-9.12

SITE KEY PLAN

NOTE:

EROSION CONTROL NOTES : SEE SHEET C-9.0

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STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	SRG
		DRAWN BY	SRG
		CHECKED BY	SRG

HILLS AT HARRIS CREEK

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

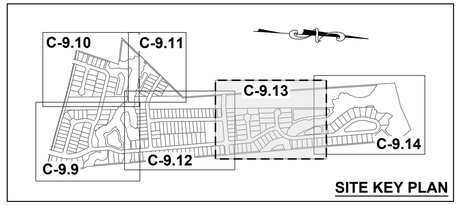
CONSTRUCTION PLANS

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET

C-9.12

59 OF 128



SITE KEY PLAN

NOTE:

EROSION CONTROL NOTES : SEE SHEET C-9.0

N/F
GRO PEG PROPERTIES LLC
PIN: 1757771603
DB: 18359 PG:1707
BM 2023 PG 333
ZONING: R-30 (WC) USE: VA

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757780258
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: SF

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757781960
DB: 14863 PG: 2493
BM 2009 PG 645
ZONING: R-30 (WC) USE: VA

MATCH LINE
FOR CONTINUATION, SEE C-9.12

MATCH LINE
FOR CONTINUATION, SEE C-9.14

FLATROCK RIDGE STREET
62' PUBLIC R/W

LAVA STREET
50' PUBLIC R/W

LIMESTONE WALL LANE
50' PUBLIC R/W

MAGMA CHAMBER WAY
50' PUBLIC R/W

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

CB (TYP.)

SILT FENCE (TYP.)

ELECTRIC EASEMENT

COIR BAFFLES (TYP.)

SKIMMER DEVICE (TYP.)

DCS (TYP.)

INTAKE HOSE (TYP.)

DISSIPATOR PAD (TYP.)

FES (TYP.)

SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL

OUTLET HOSE (TYP.)

PUMP (TYP.)

SB #4

SB #5

YI (TYP.)

WA-03

WA-04

STREAM SA

STREAM SF

EXISTING POND 1

30.0' BUFFER ZONE 1

20.0' BUFFER ZONE 2

N/F
LEFRANCOIS, STEPHEN D
PIN: 1757874787
DB: 5638 PG: 497
ZONING: R-30 (WC) USE: SF

N/F
ADAMS, BENJAMIN ADAMS, WHITNEY
PIN: 1757874938
DB: 18930 PG: 1511
BM 2006 PG 2397
ZONING: R-30 (WC) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1757884137
DB: 11404 PG: 2275
BM 1986 PG 01374
ZONING: R-30 (WC) USE: MO

N/F
JONES PROPERTIES LLC
PIN: 1757884420
DB: 12589 PG: 1045
BM 1986 PG 1374
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757884608
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SREG
02	TOWN OF ROLESVILLE VC-CID-24-07	02/03/2025	SREG

SEAL:

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

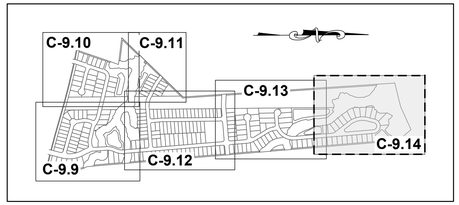
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	SRG
DRAWN BY	SRG
CHECKED BY	SRG

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-9.13

60 OF 128

PROGRESS PLOT DATE: 05/08/2025



NOTE:
EROSION CONTROL NOTES : SEE SHEET C-9.0

SITE KEY PLAN

MATCH LINE
FOR CONTINUATION, SEE C-9.13

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2008, PG 2198)

N/F
CARLE, SCOTT CARLE, THERESA
PIN: 1757790646
DB: 14863 PG: 2493
BM 2008 PG 2198
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES E
PIN: 1757694902
DB: 8581 PG: 2079
BM 2018 PG 390
ZONING: R-30 (WC) USE: VA

WA-01

BUFFER ZONE 2 (TYP.) 20.00'

BUFFER ZONE 1 (TYP.) 30.00'

ELECTRIC EASEMENT 180.0'

STREAM SA

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

LIMESTONE WALL LANE
50' PUBLIC R/W

CB (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

TEMPORARY STOCKPILE LOCATION, REFER TO STOCKPILE MAINTENANCE

SILT FENCE ON THREE SIDES OF STOCKPILE

SILT FENCE (TYP.)

SB #5

SB #6

COIR BAFFLES (TYP.)

SKIMMER DEVICE (TYP.)
OCS (TYP.)
FES (TYP.)
DISSIPATOR PAD (TYP.)
SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL

INTAKE HOSE (TYP.)
PUMP (TYP.)
OUTLET HOSE (TYP.)

N/F
FORRESTER, JENNIFER N
FORRESTER, HAYES G
PIN: 1758707313
DB: 12620 PG: 2172
ZONING: RL (RO) USE: SF

N/F
JONES PROPERTIES LLC
PIN: 1758805144
DB: 11187 PG: 542
BM 1971 PG 445
ZONING: R-30 (WC) USE: SF

N/F
RGA CONSULTING LLC
PIN: 757893646
DB: 15770 PG: 1169
BM 2010 PG 725
ZONING: R-30 (WC) USE: VA

N/F
JONES, CHARLES SPENCE
PIN: 1757893394
DB: 2478 PG: 210
ZONING: R-30 (WC) USE: MO

N/F
JONES, CHARLES SPENCE
PIN: 1757894101
DB: 2590 PG: 622
ZONING: R-30 (WC) USE: SF

N/F
JONES, CHARLES SPENCE
PIN: 1757883981
DB: 5319 PG: 135
BM 1994 PG 1952
ZONING: R-30 (WC) USE: SF

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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-9.14

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