V1 - CID-24-07 -
Plan Set Part 1 of 2

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:
FRONT YARD: 20'
SIDE YARD: 10'
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: 220 LOTS
MINIMUM LOT FRONTAGE: 50'
MINIMUM REQUIRED LOT SIZE: 8,000 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: 2,235,966 SF (51.33 AC)
CLUSTER OPTION OPEN SPACE CALCULATIONS: SEE SHEET C-1.3
ACTIVE/PASSIVE OPEN SPACE CALCULATIONS: SEE SHEET C-1.4

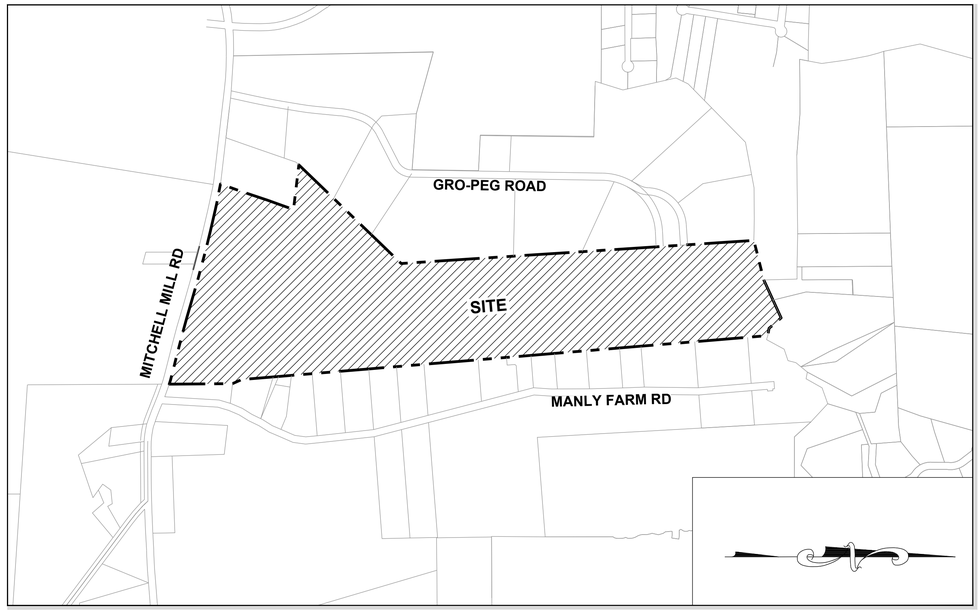
IMPERVIOUS AREAS:
ROADWAYS & SIDEWALKS 518,299 SF (11.90 AC)
PONDS: 115,743 SF (2.65 AC)
BUILD UPON AREA (BUA) : 961,315 SF (22.07 AC)
TOTAL ON-SITE IMPERVIOUS AREA: 1,595,357 SF (36.62 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT: 31.99%

CURRENT & PROPOSED USE AREAS:
CURRENT USE: WAKE COUNTY AGRICULTURAL
PROPOSED USE: MEDIUM DENSITY RESIDENTIAL

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

LOT ACREAGE:	DSF:
LOT TYPE (50'x160'):	68 LOTS
LOT TYPE (55'x146'):	16 LOTS
LOT TYPE (60'x134'):	56 LOTS
LOT TYPE (65'x125'):	52 LOTS
LOT TYPE (70'x115'):	15 LOTS
LOT TYPE (80'x100'):	13 LOTS
TOTAL NUMBER PROPOSED LOTS:	220 LOTS
MINIMUM PROPOSED LOT SIZE:	8,000 SF
MAXIMUM PROPOSED LOT SIZE:	26,427 SF
MINIMUM LOT WIDTH:	50'
PROPOSED DENSITY:	1.92 UNITS/AC

DISTURBED AREA:
TOTAL DISTURBED AREA: 3,639,480 SF (83.55 AC)



VICINITY MAP
1" = 600'

STREET NAMES	PROPOSED ROW	PAVEMENT WIDTH	LINEAR FEET
BOULDER MILL DRIVE	50-70 Ft	24-32 Ft	2,849.76
SLATE SPRINGS STREET	50 Ft	24 Ft	1,253.58
PLUTON RIDGE DRIVE	50-60 Ft	24-32 Ft	1,687.62
IGNEOUS STREET	50 Ft	24 Ft	1,072.02
MILLPOND BLUFF DRIVE	50 Ft	24 Ft	1,047.13
FLATROCK RIDGE STREET	62 Ft	36 Ft	849.40
MAGMA CHAMBER WAY	50 Ft	24 Ft	1,154.99
LAVA STREET	50 Ft	24 Ft	324.52
LIMESTONE WALL LANE	50 Ft	24 Ft	2,271.75
PRIVATE OFF-SITE DRIVEWAY 1	20 Ft	13 Ft	213.11
PRIVATE OFF-SITE DRIVEWAY 2	20 Ft	13 Ft	191.35

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:
STRONG ROCK ENGINEERING GROUP, PLLC
PO BOX 55992
RALEIGH, NC 27624
COMPANY LICENSE #: P-2166
PHONE: 984-200-1932 (O)
information@strongrockgroup.com

SHEET INDEX

01	C-1.0	COVER SHEET
02	C-1.1	ZONING CONDITIONS
03	C-1.2	CONCEPT SKETCH PLAN
04	C-2.0	CIVIL NOTES
05	C-3.0	EXISTING CONDITIONS PLAN
06	C-3.1	TREE PROTECTION PLAN
07	C-3.2	OVERALL TREE INVENTORY MAP
08 - 15	C-3.3 - C-3.10	PARTIAL TREE INVENTORY MAP I - VIII
16	C-3.11	TREE INVENTORY TABLE
17	C-4.0	DEMOLITION PLAN
18	C-5.0	OVERALL OPEN SPACE PLAN
19	C-5.1	PASSIVE & ACTIVE OPEN SPACE REQUIREMENTS
20	C-6.0	OVERALL SITE PLAN
21 - 26	C-6.1 - C-6.6	PARTIAL SITE PLAN I - VI
27	C-6.7	LOT SIZE TABLES
28	C-7.0	OVERALL UTILITY PLAN
29 -34	C-7.1 - C-7.7	PARTIAL UTILITY PLAN I - VI
35	C-7.7	PARTIAL UTILITY PLAN VII - OFF SITE
36	C-7.8	SANITARY SEWER TABLES
37	C-8.0	OVERALL GRADING & DRAINAGE PLAN
38 - 43	C-8.1 - C-8.6	PARTIAL GRADING & DRAINAGE PLAN I - VI
44	C-8.7	STORM DRAINAGE TABLES
45	C-8.8	STORM DRAINAGE TABLES
46	C-9.0	PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE
47	C-9.1	PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE
48	C-9.2	PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE
49	C-9.3	PROPOSED SLATE SPRINGS STREET - PLAN & PROFILE
50	C-9.4	PROPOSED PLUTON RIDGE DRIVE - PLAN & PROFILE
51	C-9.5	PROPOSED PLUTON RIDGE DRIVE - PLAN & PROFILE
52	C-9.6	PROPOSED IGNEOUS STREET PLAN & PROFILE
53	C-9.7	PROPOSED MILLPOND BLUFF DRIVE - PLAN & PROFILE
54	C-9.8	PROPOSED FLATROCK RIDGE STREET PLAN & PROFILE
55	C-9.9	PROPOSED MAGMA CHAMBER WAY - PLAN & PROFILE
56	C-9.10	PROPOSED LAVA STREET - PLAN & PROFILE
57	C-9.11	PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE
58	C-9.12	PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE
59	C-9.13	PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE
60	L-1.0	OVERALL LANDSCAPE PLAN
61	L-1.1	PERIMETER BUFFER PLAN
62 - 67	L-1.2 - L-1.7	PARTIAL LANDSCAPE PLAN I - VI
68	C-10.0	OVERALL PRESERVATION PLAN
69-74	C-10.1 - C-10.6	PRESERVATION PLAN I - VI
75	C-10.7	PRESERVATION TABLE
76	C-11.0	OVERALL FIRE PLAN
77	C-11.1	FIRE PLAN I
78	C-11.2	FIRE PLAN II
79	C-11.3	FIRE PLAN III
80 - 83	D-1.0 - D-1.3	SITE DETAILS
84	D-2.0	SANITARY SEWER & WATER DETAILS
85	D-3.0	STORM DETAILS
86 - 88	D-4.0 - D-4.2	AMENITY DETAILS

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.
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.

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

No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING
SHEET
C-1.0

01 OF 88

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.

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-EF11-80C3-002248E2708E1

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

Melody Watkins 07/26/24
Donna Watkins 07/26/24

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No.	REVISIONS	DATE	BY

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

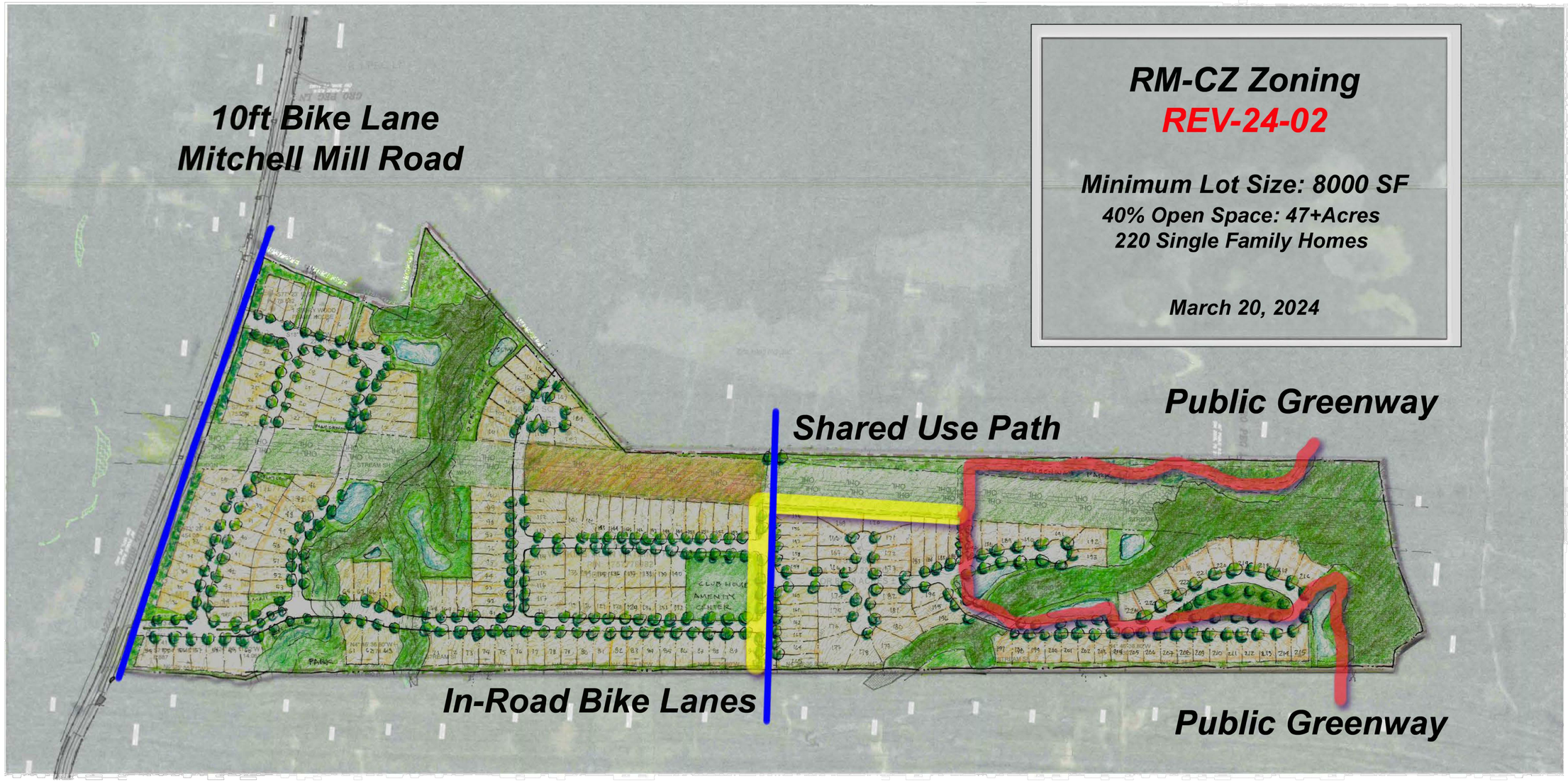
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
ZONING CONDITIONS

DRAWING SHEET
C-1.1

02 OF 88

V2 - REZ-24-02

EXHIBIT ONE
CONCEPT SKETCH PLAN



Hills at Harris Creek

ELLIS DEVELOPMENTS GROUP

STRONGROCK ENGINEERING GROUP

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

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No.	REVISIONS	DATE	BY

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-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	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-1.2

03 OF 88

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 **

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

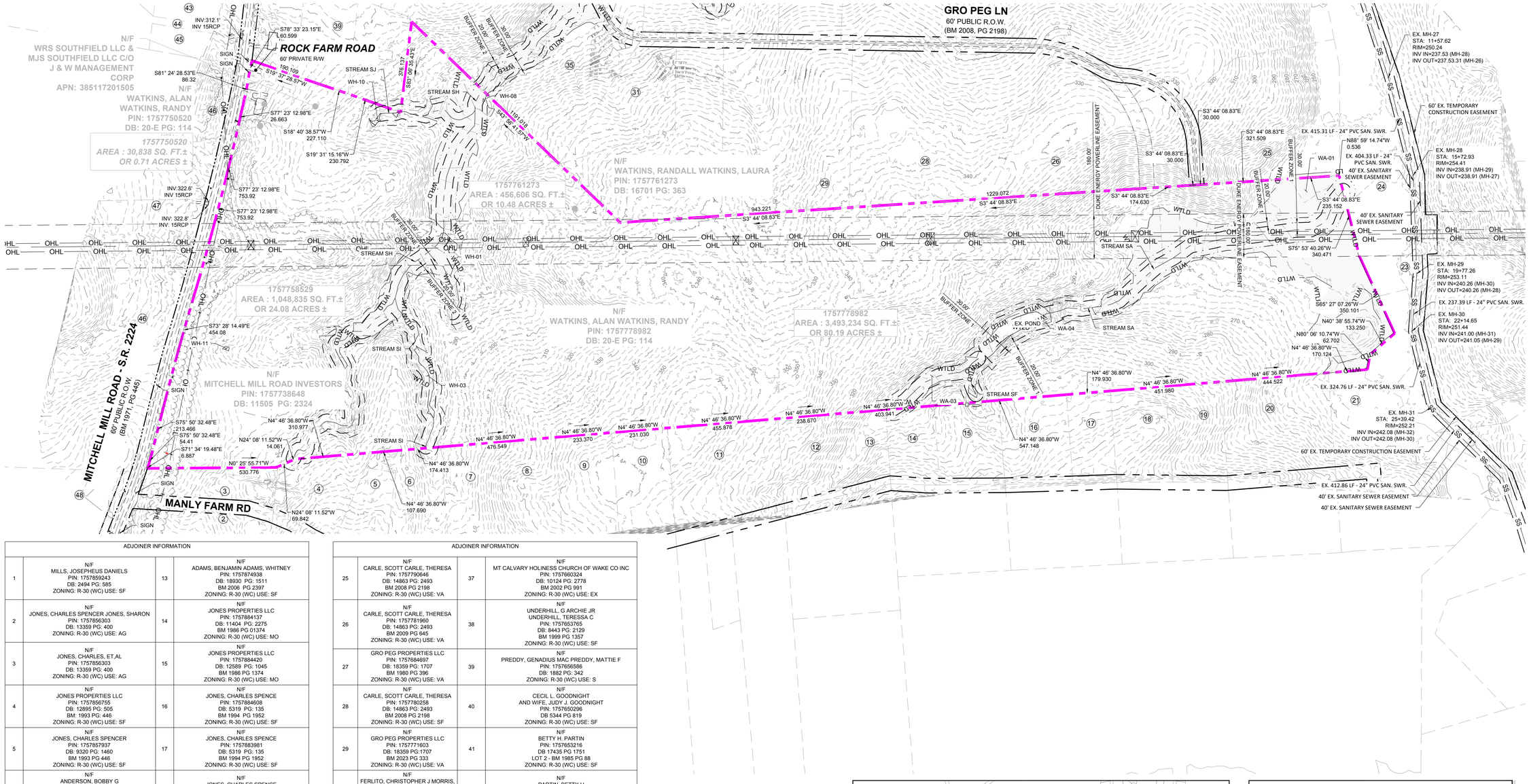
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	JWL
				DRAWN BY	SRG
				CHECKED BY	JWL

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

DRAWING SHEET
C-2.0

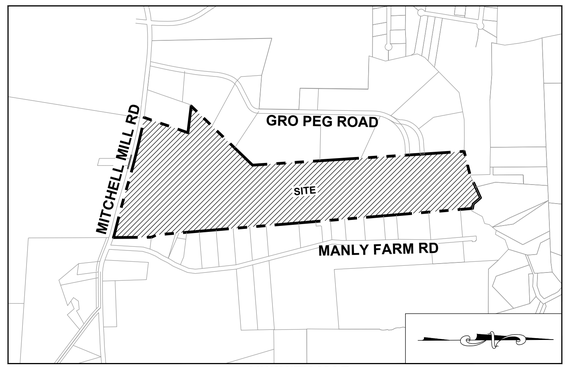
04 OF 88

PROGRESS PLOT DATE: 11/01/2024



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	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 — 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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

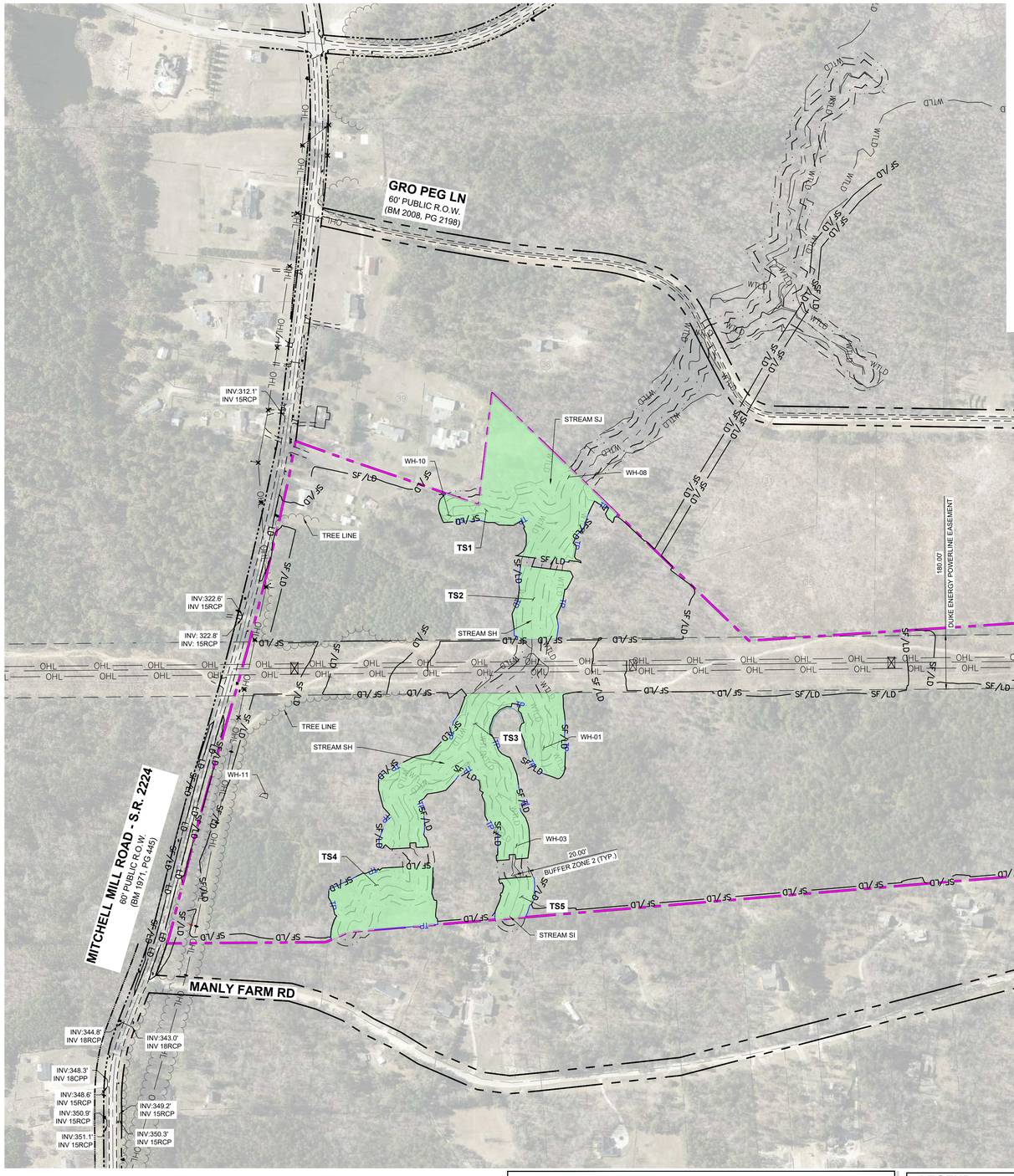
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

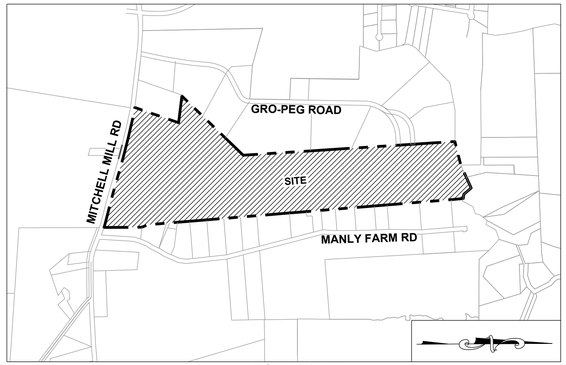
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-3.0

05 OF 88





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	3.11	135,638
TS2	0.84	36,702
TS3	3.86	168,217
TS4	1.52	66,090
TS5	0.34	14,980
TS6	1.36	59,075
TS7	3.36	146,276
TS8	2.61	113,666
TS9	1.69	73,614
TOTAL	**18.69**	**814,258**
	16.33%	

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- PROPERTY LINE
- EXISTING ADJOINER PROPERTY LINE
- EXISTING STREAM
- EXISTING BUFFER
- FLOODWAY LINE
- SS — SS — EXISTING 8" SANITARY SEWER
- TP — TREE PROTECTION FENCE
- EXISTING FIRE HYDRANT
- WTLD — WTLD — 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
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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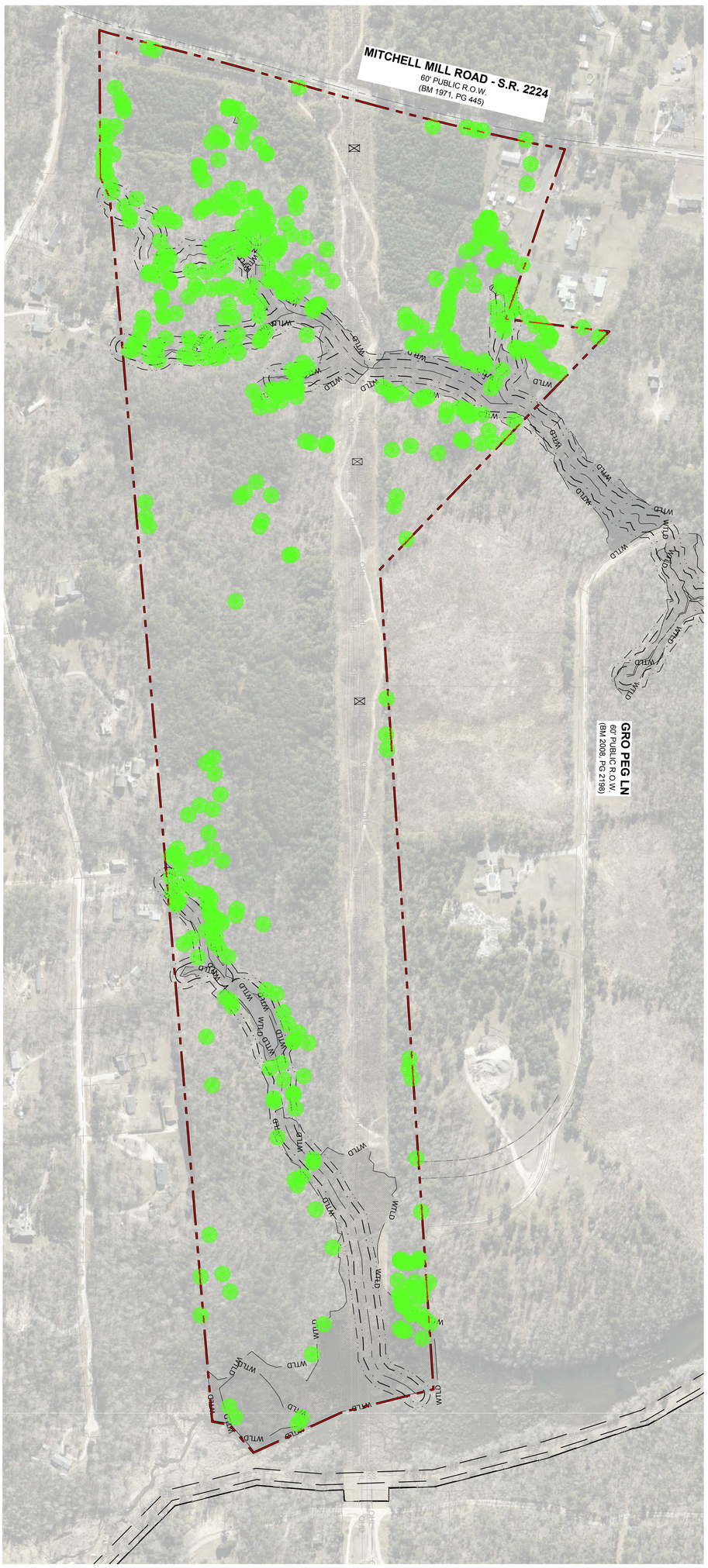
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION		
	SCALE	AS SHOWN	
	DESIGNED BY	JWL	
	DRAWN BY	SRG	
	CHECKED BY	JWL	

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

DRAWING SHEET
C-3.1

06 OF 88



GRAPHIC SCALE

(IN FEET)

1 inch = 200 ft.

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PROGRESS PLOT DATE: 11/01/2024

07 OF 88

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	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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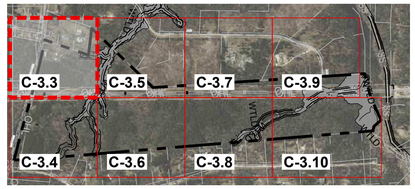
SEAL: JESSICA W. LAMBERT, PE, NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 038225

No.	REVISIONS	DATE	BY



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
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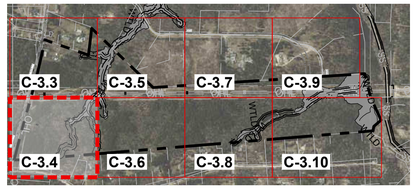
DRAWN BY	SRG
CHECKED BY	JWL

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 88

PROGRESS PLOT DATE: 11/01/2024



SITE KEY PLAN

LEGEND:

SEE SHEET C-3.4 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

STREAM SI

SIGN

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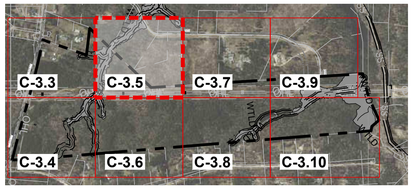
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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 88



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

STREAM SH

WH-08

MATCH LINE
FOR CONTINUATION, SEE C-3.7

MATCH LINE
FOR CONTINUATION, SEE C-3.6

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STRONG ROCK PROJECT			
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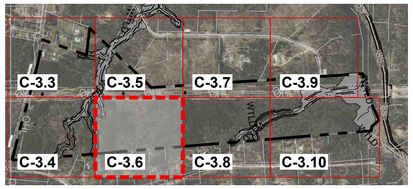
			DRAWN BY SRG
			CHECKED BY JWL

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

DRAWING SHEET
C-3.5



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

FOR CONTINUATION, SEE C-3.8

MATCH LINE

FOR CONTINUATION, SEE C-3.4

MATCH LINE

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SCALE	AS SHOWN
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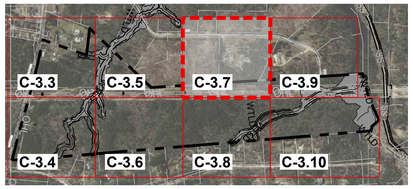
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-3.6



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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		DRAWN BY	SRG
		CHECKED BY	JWL

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

DRAWING SHEET
C-3.7

12 OF 88

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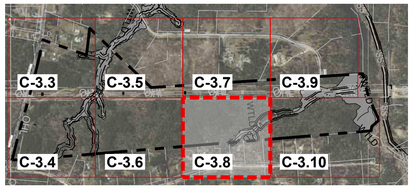

SITE KEY PLAN

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.

FOR CONTINUATION, SEE C-3.7

MATCH LINE

FOR CONTINUATION, SEE C-3.6

MATCH LINE

MATCH LINE

FOR CONTINUATION, SEE C-3.10

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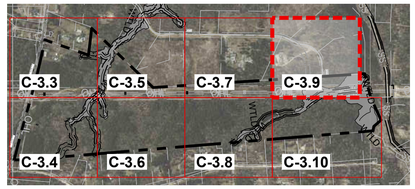
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS
PARTIAL TREE INVENTORY MAP VI

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

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 88

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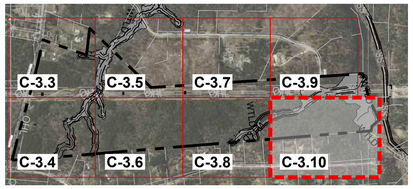

GRAPHIC SCALE

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

FOR CONTINUATION, SEE C-3.9

MATCH LINE

FOR CONTINUATION, SEE C-3.8

MATCH LINE

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

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

DRAWING SHEET
C-3.10

15 OF 88

Tree Code	Botanical Name	Dbh 1	Condition Class
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

Tree Code	Botanical Name	Dbh 1	Condition Class
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
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

Tree Code	Botanical Name	Dbh 1	Condition Class
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
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

Tree Code	Botanical Name	Dbh 1	Condition Class
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
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

Tree Code	Botanical Name	Dbh 1	Condition Class
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
405	QUFA	26	Poor

Tree Code	Botanical Name	Dbh 1	Condition Class
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

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
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	JWL	DRAWN BY	SRG	CHECKED BY	JWL

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

DRAWING SHEET
C-3.11

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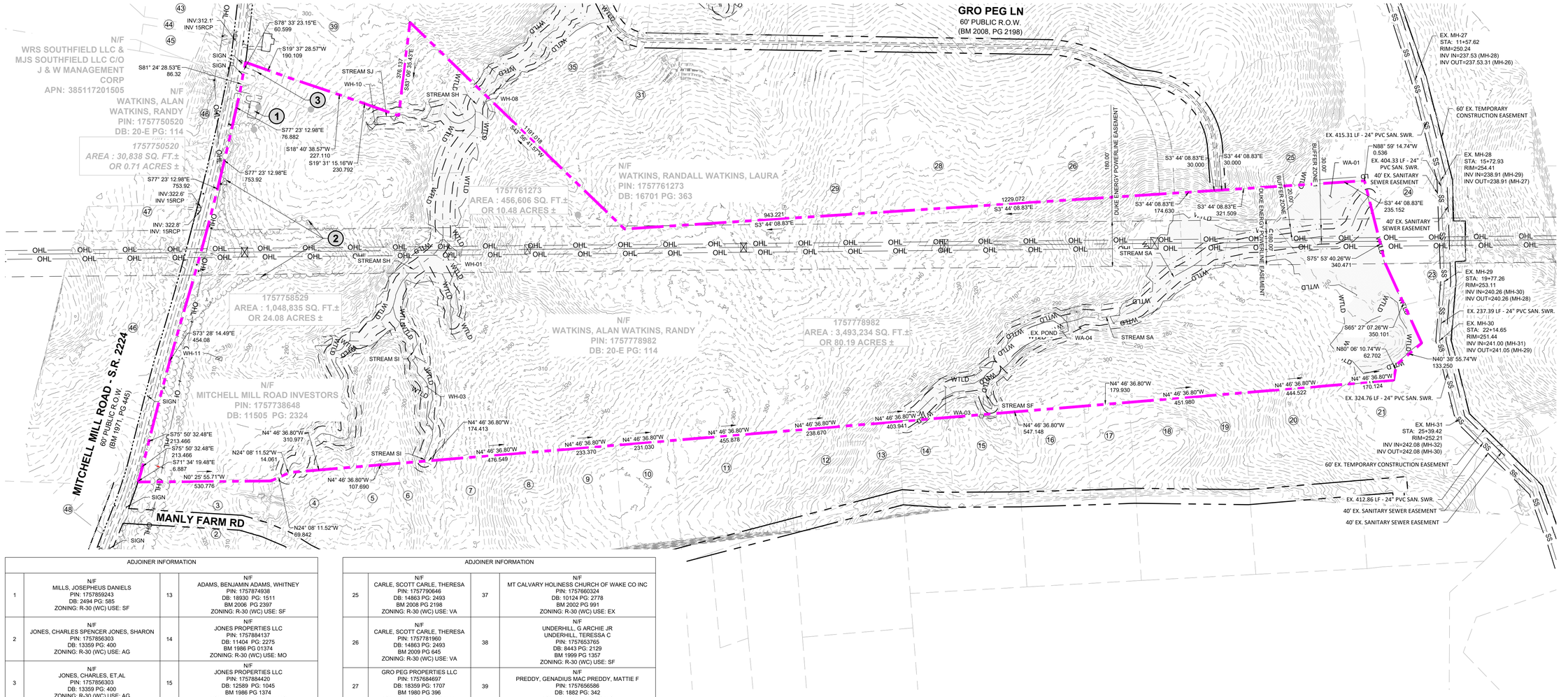
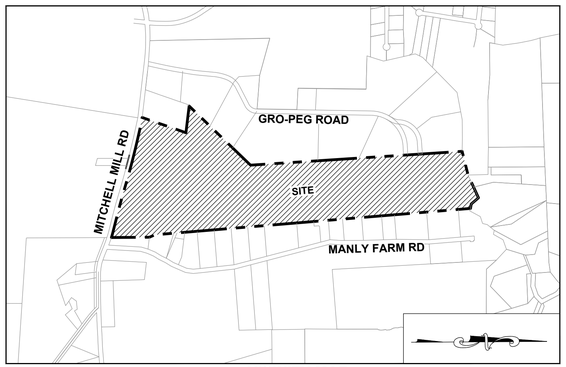


ADJOINER INFORMATION			
1	N/F MILLS, JOSEPHEUS DANIELS PIN: 1757859243 DB: 2494 PG: 585 ZONING: R-30 (WC) USE: SF	13	N/F ADAMS, BENJAMIN ADAMS, WHITNEY PIN: 1757874938 DB: 18930 PG: 1511 BM 2006 PG 2397 ZONING: R-30 (WC) USE: SF
2	N/F JONES, CHARLES SPENCER JONES, SHARON PIN: 1757856303 DB: 13359 PG: 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	GRO PEG PROPERTIES LLC PIN: 1757771603 DB: 18359 PG: 333 BM 2023 PG 333 ZONING: R-30 (WC) USE: VA	41	N/F BETTY H. PARTIN PIN: 1757653216 DB 7435 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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-4.0

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		2,241,134	51.45	44.95%

BREAKDOWN OPEN SPACE	SF	AC
1. BUFFER THOROUGHFARE	47,393	1.09
2. BUFFER PERIMETER	116,132	2.67
3. DUKE POWER EASEMENT*^	795,828	18.27
4. WETLANDS*	818,813	18.80
5. SCMs	196,532	4.51
6. CONTIGUOUS PARK SPACES	350,536	8.05
7. PLAYGROUND	15,468	0.36
8. GREENWAY^	72,276	1.66
* AREA OF OVERLAP DUKE EASEMENT AND WETLANDS	177,953	4.09
^ 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

1. THOROUGHFARE BUFFER,TYP.

3. DUKE POWER EASEMENT, TYP.

6. SCM, ,TYP.

4. WETLAND,TYP.

IGNEOUS STREET

MILLPOND BLUFF DRIVE

FLATROCK RIDGE STREET

180.0' DUKE ENERGY POWERLINE EASEMENT

8. GREENWAY, TYP.

7. PLAYGROUND

SLATE SPRINGS STREET

PLUTON RIDGE DRIVE

AMENITY CENTER WITH MAIL KIOSK

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

LIMESTONE WALL LANE

LAVA STREET

2. PERIMETER BUFFER TYPE 2,TYP.

MAGMA CHAMBER WAY

BOULDER MILL DRIVE

6. CONTINUOUS OPEN SPACE,TYP.

MANLY FARM RD

7. PLAYGROUND

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.

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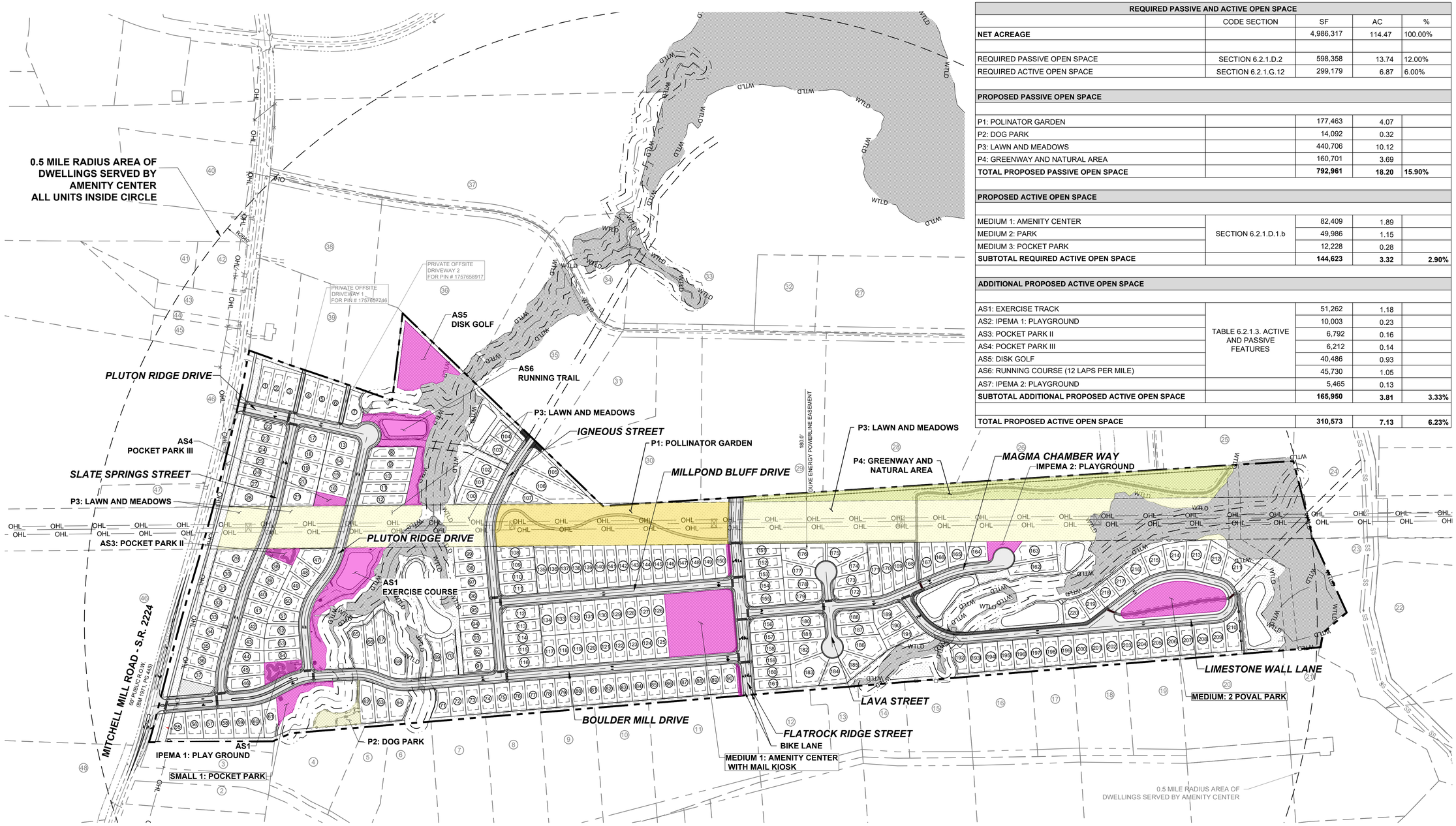
STRONGS ROCK PROJECT			
NOT FOR CONSTRUCTION	SCALE	AS SHOWN	
	DESIGNED BY	JWL	
	DRAWN BY	SRG	
	CHECKED BY	JWL	

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

DRAWING SHEET
C-5.0



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		177,463	4.07	
P2: DOG PARK		14,092	0.32	
P3: LAWN AND MEADOWS		440,706	10.12	
P4: GREENWAY AND NATURAL AREA		160,701	3.69	
TOTAL PROPOSED PASSIVE OPEN SPACE		**792,961**	**18.20**	**15.90%**
PROPOSED ACTIVE OPEN SPACE				
MEDIUM 1: AMENITY CENTER	SECTION 6.2.1.D.1.b	82,409	1.89	
MEDIUM 2: PARK		49,986	1.15	
MEDIUM 3: POCKET PARK		12,228	0.28	
SUBTOTAL REQUIRED ACTIVE OPEN SPACE		**144,623**	**3.32**	**2.90%**
ADDITIONAL PROPOSED ACTIVE OPEN SPACE				
AS1: EXERCISE TRACK	TABLE 6.2.1.3. ACTIVE AND PASSIVE FEATURES	51,262	1.18	
AS2: IPEMA 1: PLAYGROUND		10,003	0.23	
AS3: POCKET PARK II		6,792	0.16	
AS4: POCKET PARK III		6,212	0.14	
AS5: DISK GOLF		40,486	0.93	
AS6: RUNNING COURSE (12 LAPS PER MILE)		45,730	1.05	
AS7: IPEMA 2: PLAYGROUND		5,465	0.13	
SUBTOTAL ADDITIONAL PROPOSED ACTIVE OPEN SPACE		**165,950**	**3.81**	**3.33%**
TOTAL PROPOSED ACTIVE OPEN SPACE		**310,573**	**7.13**	**6.23%**

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 — EXISTING WETLAND

NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
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SEAL

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STRONG ROCK PROJECT			
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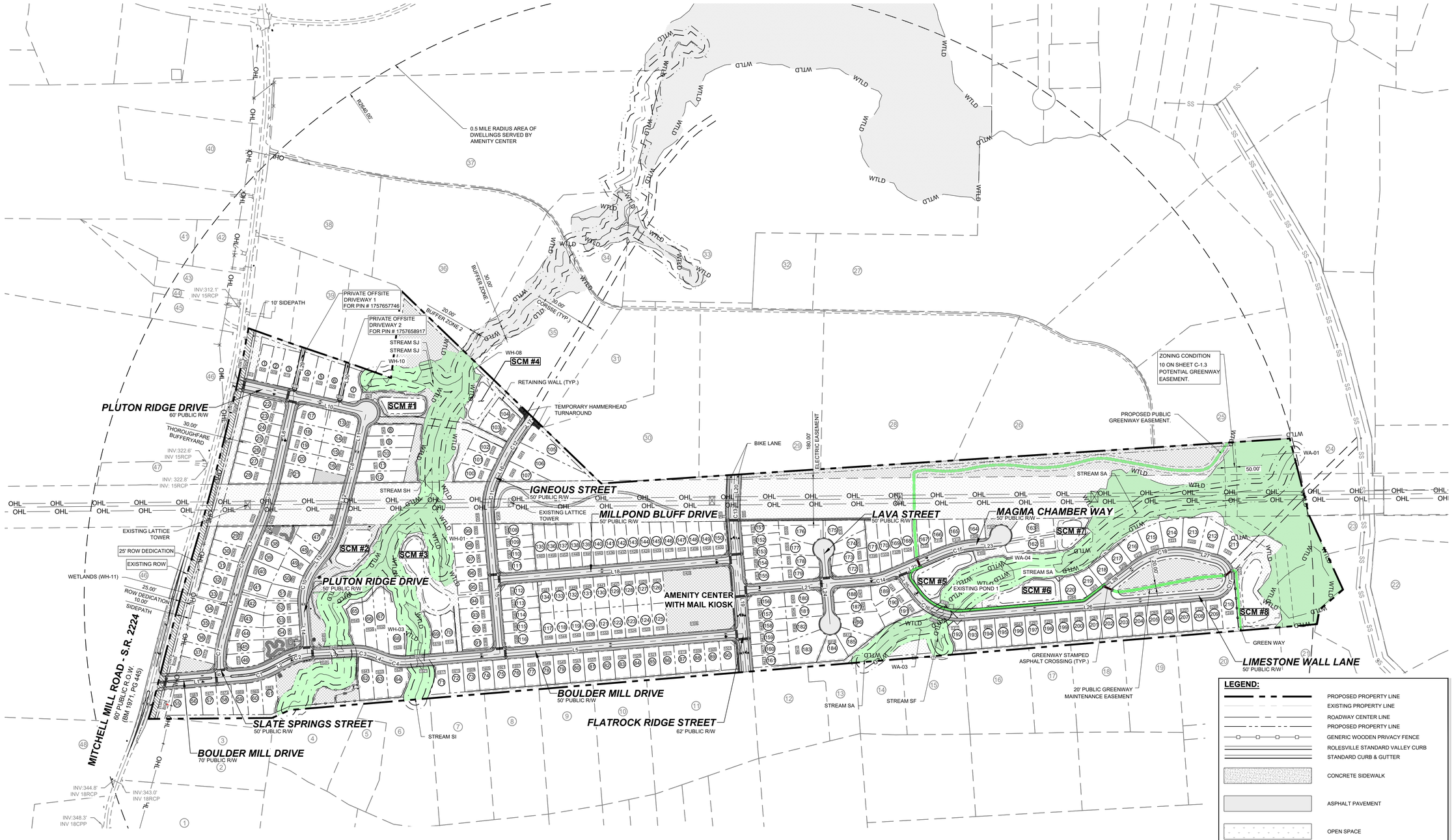
	DESIGNED BY	JWL	
	DRAWN BY	SRG	
	CHECKED BY	JWL	

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

DRAWING SHEET
C-5.1



LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	BOULDER MILL DRIVE	404.98'	N4°46'37"W	10+00.00	14+04.98
L2	BOULDER MILL DRIVE	68.03'	N27°46'10"W	15+25.37	15+93.39
L3	BOULDER MILL DRIVE	184.24'	N3°15'35"W	17+00.34	18+84.57
L4	BOULDER MILL DRIVE	46.26'	N20°52'47"E	19+81.48	20+27.73
L5	BOULDER MILL DRIVE	1444.35'	N4°46'37"W	21+30.73	35+75.07
L6	SLATE SPRINGS STREET	332.09'	S77°23'14"E	10+00.01	13+32.09
L7	SLATE SPRINGS STREET	128.48'	S67°13'00"E	15+98.35	17+26.83
L8	SLATE SPRINGS STREET	286.82'	S74°09'09"E	17+87.36	20+74.17
L9	SLATE SPRINGS STREET	35.43'	N85°13'23"E	22+18.16	22+53.58
L10	PLUTON RIDGE DRIVE	597.69'	N12°36'47"E	10+00.00	15+97.69
L11	PLUTON RIDGE DRIVE	220.61'	S77°23'13"E	15+97.69	18+18.30
L12	PLUTON RIDGE DRIVE	243.94'	S75°06'21"E	18+58.12	21+02.06
L13	PLUTON RIDGE DRIVE	70.86'	S53°18'23"E	22+35.22	23+06.08
L14	PLUTON RIDGE DRIVE	200.59'	N85°13'23"E	24+87.04	26+87.62
L15	IGNEOUS STREET	605.78'	S85°13'23"W	10+00.00	16+05.78
L16	IGNEOUS STREET	74.99'	N63°56'33"W	17+67.23	18+42.21

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L17	IGNEOUS STREET	62.35'	N54°20'54"W	20+09.67	20+72.02
L18	MILLPOND BLUFF DRIVE	1047.13'	N4°46'37"W	10+00.00	20+47.13
L19	FLATROCK RIDGE STREET	655.17'	S85°13'23"W	10+00.00	16+55.17
L20	FLATROCK RIDGE STREET	121.47'	N87°11'53"W	17+27.93	18+49.40
L21	MAGMA CHAMBER WAY	571.09'	N4°46'37"W	10+00.00	15+71.09
L22	MAGMA CHAMBER WAY	240.36'	N22°57'44"W	16+44.09	18+84.45
L23	MAGMA CHAMBER WAY	111.85'	N4°46'37"W	20+43.15	21+54.99
L24	LAVA STREET	324.52'	N85°13'23"E	10+00.00	13+24.52
L25	LIMESTONE WALL LANE	121.11'	N53°33'15"E	10+00.00	11+21.11
L26	LIMESTONE WALL LANE	1074.38'	N4°46'37"W	13+55.27	24+29.64
L27	LIMESTONE WALL LANE	94.19'	S14°07'11"W	26+40.53	27+34.71
L28	LIMESTONE WALL LANE	265.67'	S37°42'28"E	30+06.09	32+71.75
L29	PRIVATE OFF-SITE DRIVEWAY 1	213.11'	N77°23'13"W	10+00.00	12+13.11
L30	PRIVATE OFF-SITE DRIVEWAY 2	191.35'	N77°23'13"W	10+00.00	11+91.35

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	BOULDER MILL DRIVE	300.00'	120.39'	119.58'	N16°16'24"W	14+04.98	15+25.36
C2	BOULDER MILL DRIVE	250.00'	106.94'	106.13'	N15°30'53"W	15+93.39	17+00.33
C3	BOULDER MILL DRIVE	230.00'	96.90'	96.19'	N8°48'36"E	18+84.57	19+81.47
C4	BOULDER MILL DRIVE	230.00'	102.99'	102.13'	N8°03'05"E	20+27.73	21+30.72
C5	SLATE SPRINGS STREET	1500.00'	266.26'	265.91'	S72°18'07"E	13+32.09	15+98.34
C6	SLATE SPRINGS STREET	500.00'	60.53'	60.49'	S70°41'05"E	17+26.83	17+87.35
C7	SLATE SPRINGS STREET	400.00'	143.99'	143.21'	S84°27'53"E	20+74.17	22+18.16
C8	PLUTON RIDGE DRIVE	1000.00'	39.81'	39.81'	S76°14'47"E	18+18.30	18+58.11
C9	PLUTON RIDGE DRIVE	350.00'	133.16'	132.36'	S64°12'22"E	21+02.06	22+35.22
C10	PLUTON RIDGE DRIVE	250.00'	180.95'	177.02'	S74°02'30"E	23+06.08	24+87.03
C11	IGNEOUS STREET	300.00'	161.45'	159.51'	N79°21'35"W	16+05.78	17+67.22
C12	IGNEOUS STREET	1000.00'	167.45'	167.26'	N59°08'44"W	18+42.21	20+09.66
C13	FLATROCK RIDGE STREET	550.00'	72.75'	72.70'	S89°00'45"W	16+55.17	17+27.92

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C14	MAGMA CHAMBER WAY	230.00'	73.00'	72.69'	N13°52'10"W	15+71.09	16+44.09
C15	MAGMA CHAMBER WAY	500.00'	158.70'	158.03'	N13°52'10"W	18+84.45	20+43.14
C16	LIMESTONE WALL LANE	230.00'	234.16'	224.17'	N24°23'19"E	11+21.11	13+55.27
C17	LIMESTONE WALL LANE	75.00'	210.88'	147.97'	N85°19'43"W	24+29.64	26+40.53
C18	LIMESTONE WALL LANE	300.00'	271.37'	262.21'	S11°47'39"E	27+34.71	30+06.08

NOTES:

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

LOT SIZE MINIMUMS	LOT
A: 50' x 160'	68
B: 55' x 146'	16
C: 60' x 134'	56
D: 65' x 125'	52
E: 70' x 115'	15
F: 80' x 100'	14
TOTAL	221

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
- WTLD / WTLD — EXISTING WETLAND
- WETLAND AND NATURAL AREAS
- GREENWAY
- ACTIVE AND PASSIVE OPEN SPACE

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
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

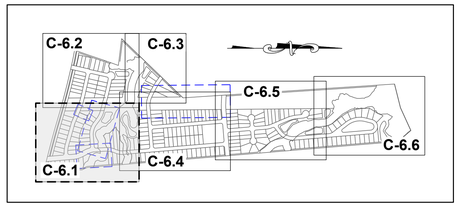
STRONG ROCK PROJECT		SCALE	AS SHOWN
	NOT FOR CONSTRUCTION	DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

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

OVERALL SITE PLAN

DRAWING SHEET
C-6.0

PROGRESS PLOT DATE: 11/01/2024



SITE KEY PLAN

LEGEND:

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

MATCH LINE
FOR CONTINUATION, SEE C-6.2

MATCH LINE
FOR CONTINUATION, SEE C-6.4

SLATE SPRINGS STREET
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

SCM #2
15,155 SF
0.35 AC

SCM #3
20,176 SF
0.46 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 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

POWER POLE TO BE RELOCATED BY POWER COMPANY.

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL:

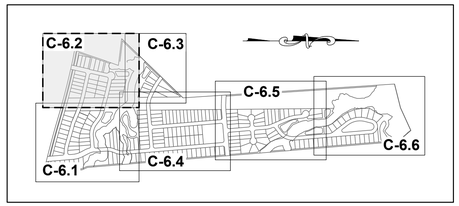
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

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

10' SIDEPATH

PRIVATE OFFSITE DRIVEWAY 1 FOR PIN # 1757657746

PRIVATE OFFSITE DRIVEWAY 2 FOR PIN # 1757658917

15.00' TYPE II PERIMETER BUFFER

20.00' PRIVATE DRIVEWAY ACCESS EASEMENT

50' CROSSWALK (TYP.)

25'x25' SIGHT TRIANGLE (TYP.)

20' PUBLIC DRAINAGE EASEMENT

RETAINING WALL

10.00' RETAINING WALL EASEMENT

SCM MAINTENANCE EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

SCM #1
11,636 SF
0.27 AC

ELECTRIC EASEMENT

25.00' ROW DEDICATION

30.00' THOROUGHFARE BUFFERYARD

25' ROW DEDICATION

10.00' SIDEPATH

12.00' LANE

BUFFER ZONE 2 20.00'

BUFFER ZONE 1 30.00'

STREAM SJ

WTLD

WH-10

WH-08

BM 2017 PG 218

MATCH LINE
FOR CONTINUATION, SEE C-6.3

MATCH LINE
FOR CONTINUATION, SEE C-6.1

DISTANCE FROM TOWER TO BACK OF CURB = 50'

DISTANCE FROM TOWER TO SIDEWALK = 40'

EXISTING LATTICE TOWER, POWER COMPANY TO PROVIDE NECESSARY SAFETY MEASURES

OHL

INV:312.1'
INV 15RCP

INV:322.6'
INV 15RCP

INV: 322.8'
INV: 15RCP

BY	DATE	REVISIONS	No.

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

PARTIAL SITE PLAN II

DRAWING SHEET
C-6.2

22 OF 88

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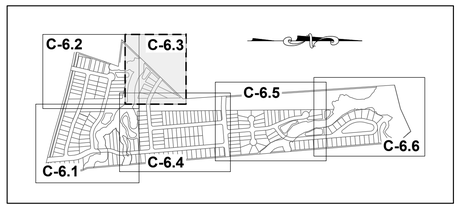
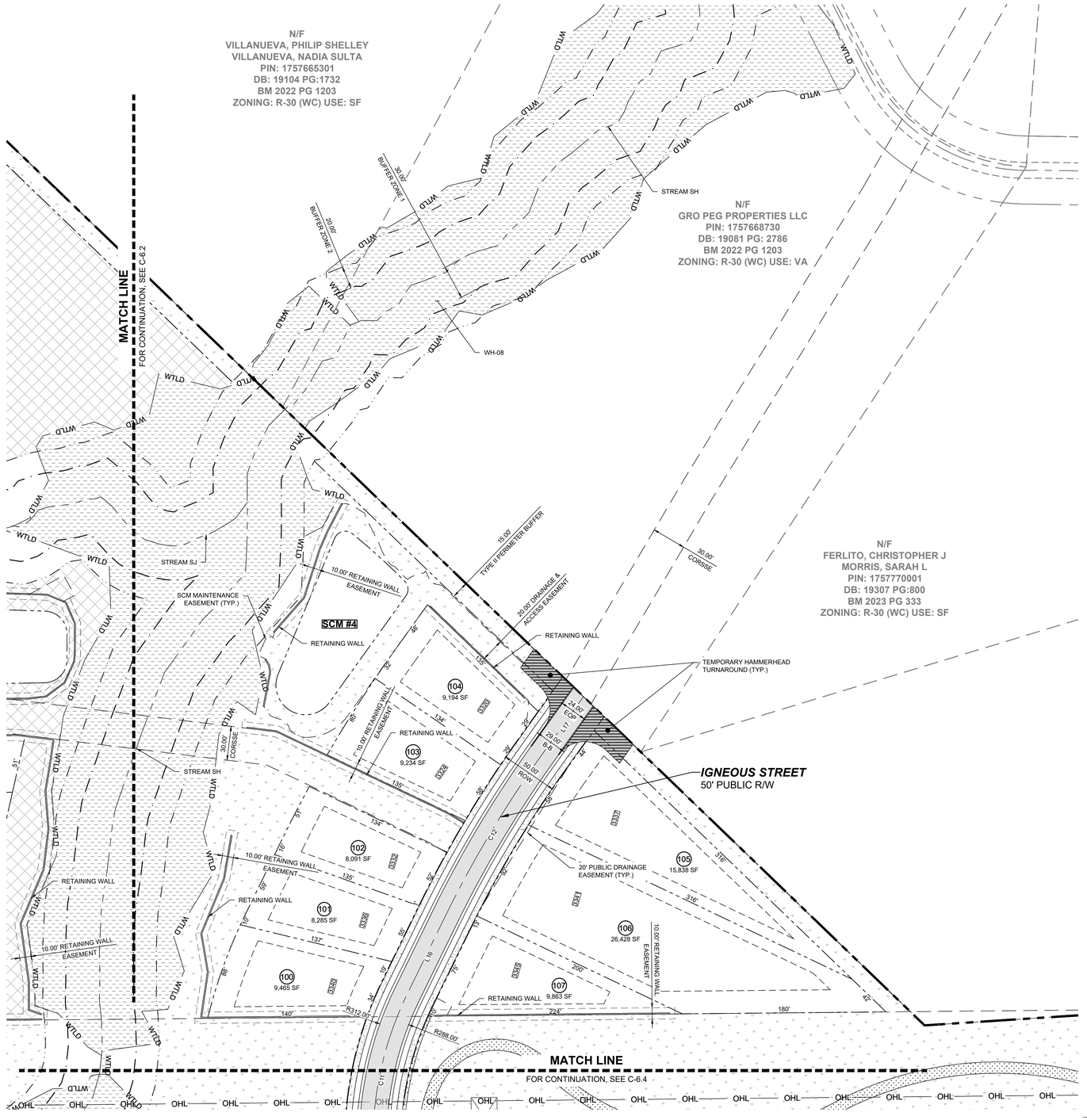


SITE KEY PLAN

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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

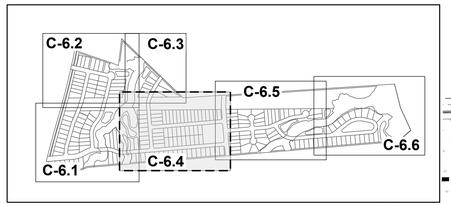
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SITE PLAN III

DRAWING SHEET

C-6.3

PROGRESS PLOT DATE: 11/01/2024



SITE KEY PLAN

LEGEND:

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

MATCH LINE
FOR CONTINUATION, SEE C-6.3

EXISTING LATTICE TOWER

10.00' RETAINING WALL EASEMENT

180.00' ELECTRIC EASEMENT

DISTANCE FROM TOWER TO BACK OF CURB = 72.35'

DISTANCE FROM TOWER TO SIDEWALK = 62.35'

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'

IGNEOUS STREET
50' PUBLIC R/W

FLATROCK RIDGE STREET
62' PUBLIC R/W

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

SCM #3
20,176 SF
0.46 AC

SCM MAINTENANCE EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

20' PUBLIC DRAINAGE EASEMENT (TYP.)

25'x25' SIGHT TRIANGLE (TYP.)

CROSSWALK (TYP.)

RETAINING WALL

10.00' RETAINING WALL EASEMENT

RETAINING WALL EASEMENT (TYP.)

10.00' RETAINING WALL EASEMENT

20.00' PUBLIC BUFFER ZONE 2

30.00' PUBLIC BUFFER ZONE 1

10 FT. HOA PRIVATE MULTI-USE CONCRETE

HOA AREA

AMENITY CENTER WITH MAIL KIOSK
78,336 SF
1.80 AC

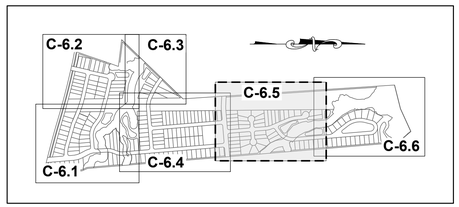
BIKE LANE

TYPE II PERIMETER BUFFER 15.00'

STREAM SI

WH-03

| | | |



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

PROPOSED PUBLIC GREENWAY EASEMENT

15.00' TYPE II PERIMETER BUFFER

30.00' GREENWAY EASEMENT (TYP.)

10.00' PUBLIC GREENWAY (TYP.)

ELECTRIC EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-6.6

MATCH LINE
FOR CONTINUATION, SEE C-6.4

FLATROCK RIDGE STREET
62' PUBLIC R/W

LAVA STREET
50' PUBLIC R/W

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

MAGMA CHAMBER WAY
50' PUBLIC R/W

LIMESTONE WALL LANE
50' PUBLIC R/W

GREENWAY STAMPED ASPHALT CROSSING (TYP.)

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 PUBLIC GREENWAY

10 FT. HOA PRIVATE MULTI-USE CONCRETE

HOA AREA

20' PUBLIC DRAINAGE EASEMENT

20' DRAINAGE EASEMENT

CROSSWALK (TYP.)

10.00' RETAINING WALL EASEMENT

RETAINING WALL

20.00' GREENWAY EASEMENT (TYP.)

20.00' DRAINAGE & ACCESS EASEMENT

STREAM SA

STREAM SF

WA-04

WA-03

WTLD

SCM #5
16,882 SF
0.39 AC

SCM #6
16,761 SF
0.38 AC

SCM MAINTENANCE EASEMENT

EXISTING POND 1

SIDEWALK (TYP.)

25'x25' SIGHT TRIANGLE (TYP.)

50.00' ROW

24.0' EOP

29.0' B-B

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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

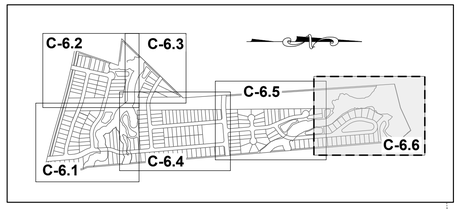
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL SITE PLAN V

DRAWING SHEET
C-6.5

25 OF 88

PROGRESS PLOT DATE: 11/01/2024



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.

SITE KEY PLAN

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: 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

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

ZONING CONDITION
10 ON SHEET C-1.3 POTENTIAL GREENWAY EASEMENT

PROPOSED PUBLIC GREENWAY EASEMENT.

30.00' GREENWAY EASEMENT (TYP.)

30.00' PUBLIC GREENWAY (TYP.)

15.00' TYPE II PERIMETER BUFFER

WA-01

MATCH LINE
FOR CONTINUATION, SEE C-6.5

LIMESTONE WALL LANE
50' PUBLIC R/W

SCM #7
7,469 SF
0.17 AC

SCM #6
16,761 SF
0.38 AC

SCM #8
17,873 SF
0.41 AC

SCM MAINTENANCE EASEMENT

STREAM SA

RETAINING WALL

STAMPED ASPHALT CROSSWALK

20' PUBLIC GREENWAY MAINTENANCE EASEMENT

10.00' RETAINING WALL EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

30.00' CORSSE

40' EX. SANITARY SEWER EASEMENT

180.0' ELECTRIC EASEMENT

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)

GREENWAY

TYPE II PERIMETER BUFFER

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-6.6

26 OF 88

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
1	8,000	50
2	8,000	50
3	10,400	65
4	10,117	60
5	9,729	60
6	9,341	60
7	9,805	81
8	9,789	70
9	10,239	52
10	10,209	52
11	10,230	52
12	10,305	52
13	10,328	78
14	8,039	60
15	8,038	60
16	8,039	60
17	10,383	78
18	8,041	60
19	8,041	60
20	8,042	60

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
21	10,680	91
22	8,670	55
23	8,000	50
24	8,000	50
25	8,000	50
26	8,001	50
27	8,001	50
28	12,251	62
29	11,711	98
30	8,938	66
31	8,657	64
32	8,656	64
33	8,656	64
34	8,656	64
35	8,656	64
36	8,716	64
37	9,251	66
38	8,000	64
39	8,000	66
40	8,000	73

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
41	8,000	73
42	8,000	72
43	8,000	74
44	8,176	65
45	8,496	59
46	9,202	62
47	11,193	115
48	8,000	66
49	8,000	65
50	8,000	64
51	8,000	55
52	8,130	52
53	8,000	52
54	8,000	51
55	8,099	60
56	8,232	70
57	8,000	65
58	8,309	65
59	8,630	65
60	9,107	65

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
61	9,884	68
62	11,055	58
63	9,457	66
64	11,529	101
65	13,530	61
66	11,306	51
67	14,598	55
68	16,722	75
69	9,604	59
70	10,138	60
71	8,304	57
72	8,125	65
73	8,125	65
74	8,125	65
75	8,125	65
76	8,125	65
77	8,125	65
78	8,125	65
79	8,125	65
80	8,125	65

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
81	8,125	65
82	8,125	65
83	8,125	65
84	8,125	65
85	8,125	65
86	8,125	65
87	8,125	65
88	8,125	65
89	8,125	65
90	8,101	65
91	8,040	61
92	8,040	60
93	8,040	60
94	8,040	60
95	8,040	60
96	8,040	60
97	8,040	60
98	8,040	60
99	8,395	59
100	9,465	59

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
101	8,285	57
102	8,091	56
103	9,234	61
104	9,194	61
105	15,838	95
106	26,428	92
107	9,866	89
108	8,797	60
109	8,145	51
110	8,145	51
111	8,170	52
112	9,466	60
113	8,000	50
114	8,000	50
115	8,000	50
116	9,466	60
117	8,100	60
118	8,100	60
119	8,100	60
120	8,100	60

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
121	8,100	60
122	8,100	60
123	8,100	60
124	8,100	60
125	8,100	60
126	8,100	60
127	8,100	60
128	8,100	60
129	8,100	60
130	8,100	60
131	8,100	60
132	8,100	60
133	8,100	60
134	8,100	60
135	10,067	50
136	9,882	50
137	9,697	50
138	9,512	50
139	9,327	50
140	9,142	50

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
141	8,957	50
142	8,772	50
143	8,587	50
144	8,402	50
145	8,218	50
146	8,667	54
147	8,436	54
148	8,221	54
149	8,021	54
150	8,013	56
151	8,947	60
152	8,000	50
153	8,000	50
154	8,000	50
155	9,487	60
156	9,487	60
157	8,000	50
158	8,000	50
159	8,000	50
160	8,000	50

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
161	8,000	50
162	10,304	53
163	14,346	53
164	8,034	92
165	8,068	81
166	8,021	68
167	8,039	58
168	8,883	53
169	9,828	53
170	10,821	52
171	11,494	50
172	8,385	48
173	8,091	57
174	8,597	51
175	13,219	78
176	16,282	81
177	8,479	52
178	8,311	59
179	8,385	50
180	9,487	60

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
181	8,299	56
182	11,023	67
183	17,111	56
184	10,274	55
185	9,785	53
186	15,116	66
187	8,908	56
188	9,584	60
189	9,117	55
190	8,522	60
191	9,093	62
192	8,149	69
193	8,125	65
194	8,125	65
195	8,125	65
196	8,125	65
197	8,125	65
198	8,125	65
199	8,125	65
200	8,125	65

LOT SIZE TABLE		
LOT NUMBER	AREA (SF)	LOT FRONTAGE (LF)
201	8,125	65
202	8,125	65
203	8,125	65
204	8,125	65
205	8,125	65
206	8,125	65
207	8,125	65
208	8,125	65
209	8,183	65
210	9,998	81
211	11,917	82
212	10,758	80
213	11,877	81
214	10,555	81
215	9,517	81
216	8,810	81
217	8,019	80
218	8,019	80
219	8,087	80
220	9,635	105

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

STRONGROCK
ENGINEERING GROUP
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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	JWL	DRAWN BY	SRG	CHECKED BY	JWL

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

LOT SIZE TABLES

DRAWING SHEET
C-6.7

27 OF 88

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CONNECT TO PROPOSED WATER LINE CONSTRUCTED BY OTHERS

PROPOSED WATER LINE TO BE CONSTRUCTED BY OTHERS

JONESVILLE ROAD
100' ROW

0.5 MILE RADIUS AREA OF DWELLINGS SERVED BY AMENITY CENTER

PRIVATE OFFSITE DRIVEWAY 1
FOR PIN # 1757657746

PRIVATE OFFSITE DRIVEWAY 2
FOR PIN # 1757658917

INV:312.1'
INV 15RCP

30.00' BUFFER ZONE 1

20.00' BUFFER ZONE 2

STREAM SJ

WH-10

WH-08

SCM #4

RETAINING WALL (TYP.)

30.00' CORSSE (TYP.)

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

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

BIKE LANE

IGNEOUS STREET
50' PUBLIC R/W

FLATROCK RIDGE STREET
62' PUBLIC R/W

MAGMA CHAMBER WAY
50' PUBLIC R/W

PROPOSED PUBLIC GREENWAY EASEMENT.

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

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

WA-01

SCM #1

EXISTING LATTICE TOWER

180.00' ELECTRIC EASEMENT

INV:322.6'
INV 15RCP

INV: 322.8'
INV: 15RCP

SLATE SPRINGS STREET
50' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

STREAM SH

WH-01

STREAM SA

SCM #7

EXISTING LATTICE TOWER

WETLANDS (WH-11)

SCM #2

SCM #3

WH-03

STREAM SH

AMENITY CENTER WITH MAIL KIOSK

WA-04

SCM #5

WTLM
EXISTING POND 1

SCM #6

SCM #8

30.00' CORSSE (TYP.)

GREENWAY

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

BOUNDER MILL DRIVE
50' PUBLIC R/W

WA-03

LIMESTONE WALL LANE
50' PUBLIC R/W

STREAM SA

STREAM SF

BOULDER MILL DRIVE
70' PUBLIC R/W

STREAM SI

MANLY FARM RD

INV:344.8'
INV 18RCP

INV:343.0'
INV 18RCP

INV:348.3'
INV 18CPP

INV:348.6'
INV 15RCP

INV:350.9'
INV 15RCP

INV:351.1'
INV 15RCP

INV:349.2'
INV 15RCP

INV:350.0'
INV 15RCP

SIGN

SIGN

INV:363.0'
INV 24"CMP

INV:363.7'
INV 24"CMP

INV:363.8'
INV 18"RCP

SIGN

INV:365.7'
INV 18" RCP

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

NOTES:
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

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT

SEAL

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

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

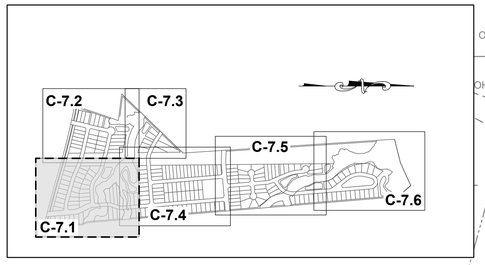
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.
CONSTRUCTION PLANS

OVERALL UTILITY PLAN

DRAWING SHEET
C-7.0

28 OF 88

PROGRESS PLOT DATE: 11/01/2024



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

MATCH LINE
FOR CONTINUATION, SEE C-7.2

MATCH LINE
FOR CONTINUATION, SEE C-7.4

PLUTON RIDGE DRIVE
50' PUBLIC R/W

SLATE SPRINGS STREET
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)

SCM #2

SCM #3

SCM MAINTENANCE EASEMENT

ELECTRIC EASEMENT

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

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

20.00' DRAINAGE & ACCESS EASEMENT

20' DRAINAGE EASEMENT

20' PUBLIC DRAINAGE EASEMENT (TYP.)

20.00' DRAINAGE EASEMENT

WETLANDS (WH-11)

WH-01

WH-03

STREAM SH

STREAM SI

BUFFER ZONE 1 30.00'

BUFFER ZONE 2 20.00'

RETAINING WALL (TYP.)

10.00' RETAINING WALL EASEMENT (TYP.)

FENCE (TYP.)

15.00' TYPE II PERIMETER BUFFER

30.00' THOROUGHFARE BUFFERYARD

25.00' ROW DEDICATION

10.00' SIDEPATH

10' SIDEPATH

8" DIP W/L

12" DIP W/L

8" 22.5° BEND

12" 22.5° BEND

12" 11.25° BEND

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

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

12"x12" TEE W / (3) 12" GV

SSMH #01 SSMH #02 SSMH #03 SSMH #04 SSMH #05 SSMH #06 SSMH #07 SSMH #08 SSMH #09 INSIDE DROP MANHOLE SSMH #10 SSMH #11 SSMH #12 SSMH #13 SSMH #14 SSMH #15 SSMH #16 SSMH #17

P #1 P #2 P #3 P #4 P #5 P #6 P #7 P #8 P #9 P #10 P #11 P #12 P #14 P #15 P #16 P #17

FHA

12" 12.5° BEND

POWER POLE TO BE RELOCATED BY POWER COMPANY.

12" GATE VALVE

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: 1757856555
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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

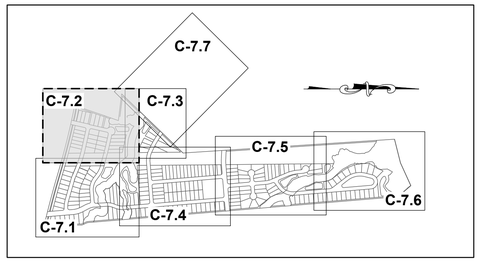
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET
C-7.1

29 OF 88



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.

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
80' PUBLIC R.O.W.
(BM 1971, PG 445)

PLUTON RIDGE DRIVE
60' PUBLIC R/W

PLUTON RIDGE DRIVE
50' PUBLIC R/W

SLATE SPRINGS STREET
50' PUBLIC R/W

12" GATE VALVE
INV:312.1'
INV 15RCP
25.00' ROW DEDICATION
10.00' SIDEPATH
INV:322.6'
INV 15RCP
INV: 322.8'
INV: 15RCP
30.00' THOROUGHFARE BUFFERYARD
3/4" WATER METER & SERVICE (TYP.)
4" SANITARY SEWER C/O & SERVICE (TYP.)
12" DIP W/L
12"x8" TEE W / (2) 12" GV (1) 8" GV
8" DIP W/L
8"x8" TEE W / (3) 8" GV
20' PUBLIC DRAINAGE EASEMENT (TYP.)
PRIVATE OFFSITE DRIVEWAY 1 FOR PIN # 1757657746
PRIVATE OFFSITE DRIVEWAY 2 FOR PIN # 1757658917
15' 30' TYPE II PERIMETER BUFFER
10.00' RETAINING WALL EASEMENT (TYP.)
RETAINING WALL (TYP.)
SCM #1
SCM MAINTENANCE EASEMENT (TYP.)
8" 90° BEND
CORSSE
STREAM SJ
BUFFER ZONE 2
30.00' BUFFER ZONE 1
ELECTRIC EASEMENT
EXISTING LATTICE TOWER, POWER COMPANY TO PROVIDE NECESSARY SAFETY MEASURES
BM 2017 PG 218
WTLD
OHL
W
SS
FHA

SSMH #18
SSMH #19
SSMH #20
SSMH #21
SSMH #22
SSMH #23
SSMH #13
P #12
P #13
P #17
P #18
P #19
P #20
P #21
P #22
P #23

MATCH LINE
FOR CONTINUATION, SEE C-7.3

MATCH LINE
FOR CONTINUATION, SEE C-7.1

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

PARTIAL UTILITY PLAN II

DRAWING SHEET

C-7.2

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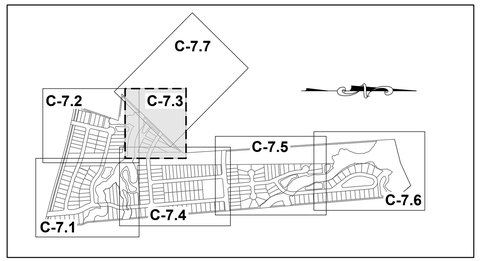


SITE KEY PLAN

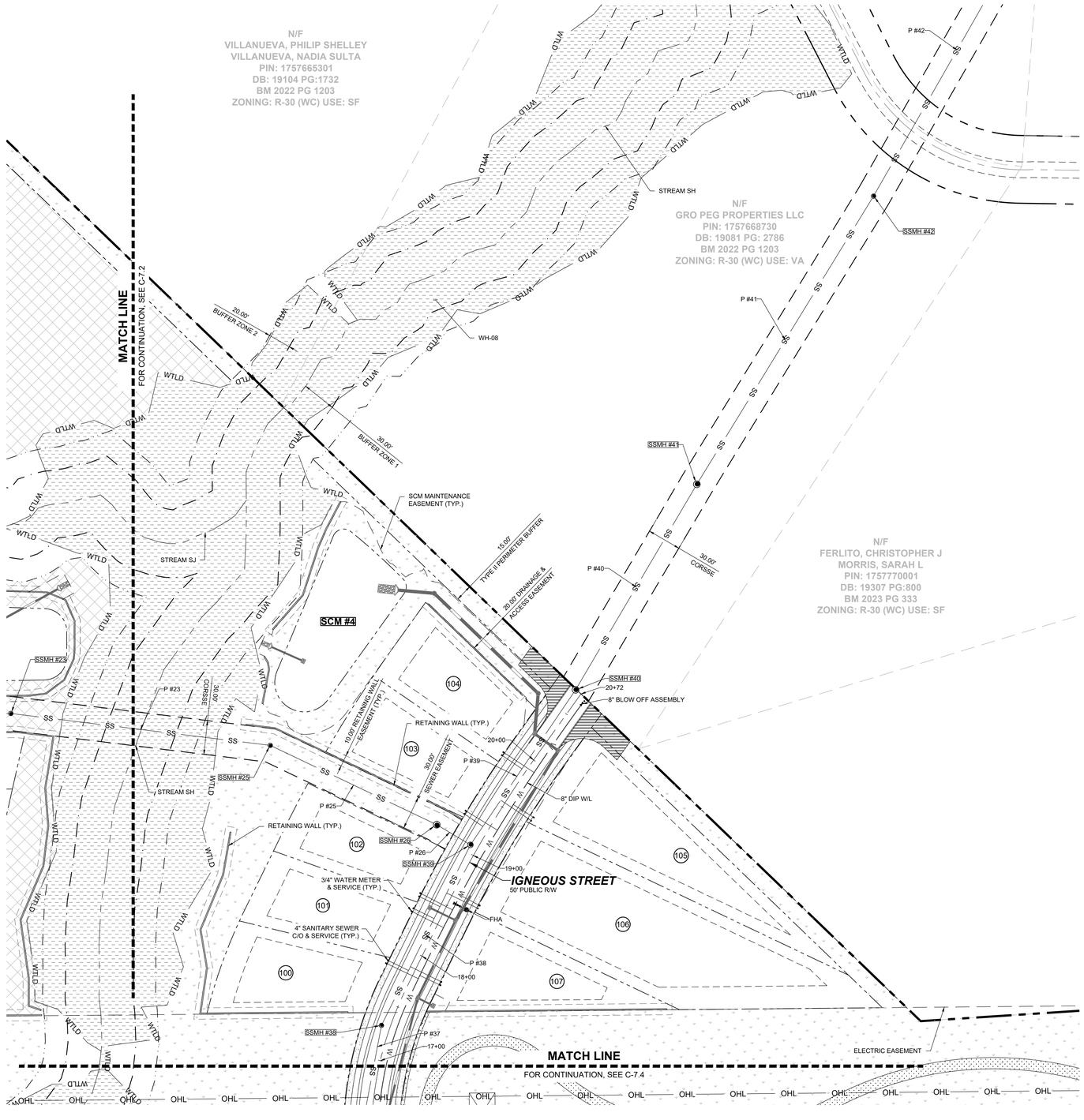
LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



	No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

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

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

PARTIAL UTILITY PLAN III

DRAWING SHEET

C-7.3

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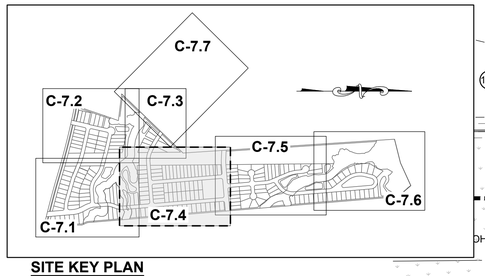
PROGRESS PLOT DATE: 11/01/2024



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

MATCH LINE
FOR CONTINUATION, SEE C-7.3

EXISTING LATTICE TOWER

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

MATCH LINE
FOR CONTINUATION, SEE C-7.1

MATCH LINE
FOR CONTINUATION, SEE C-7.5

SCM #3

SCM MAINTENANCE EASEMENT (TYP.)

20' DRAINAGE EASEMENT

20.00' DRAINAGE EASEMENT

10.00' RETAINING WALL EASEMENT (TYP.)

30.00' PUBLIC BUFFER ZONE 1

20.00' PUBLIC BUFFER ZONE 2

RETAINING WALL (TYP.)

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

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

AMENITY CENTER WITH MAIL KIOSK

STREAM SI

WH-01 WH-03

SSMH #30 SSMH #29 SSMH #28 SSMH #27 SSMH #26 SSMH #25 SSMH #24 SSMH #23 SSMH #22 SSMH #21 SSMH #20 SSMH #19 SSMH #18 SSMH #17 SSMH #16 SSMH #15 SSMH #14 SSMH #13 SSMH #12 SSMH #11 SSMH #10 SSMH #09

P #6 P #5 P #27 P #28 P #29 P #30 P #31 P #32 P #33 P #34 P #35 P #36 P #37 P #38 P #48 P #49 P #50

8" DIP W/L 12" DIP W/L

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

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

8"x12" TEE W / (1) 12" GV (2) 8" GV

8" BLOW OFF ASSEMBLY

FHA

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

15.00' TYPE II PERIMETER BUFFER

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.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

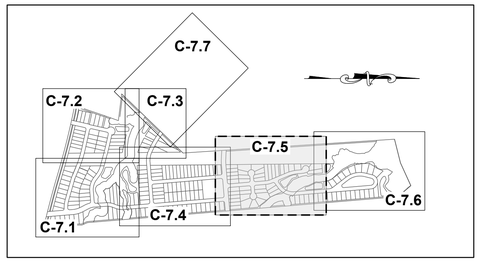
PARTIAL UTILITY PLAN IV

DRAWING SHEET

C-7.4

32 OF 88

PROGRESS PLOT DATE: 11/01/2024



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.

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

15.00' TYPE II PERIMETER BUFFER

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

PROPOSED PUBLIC GREENWAY EASEMENT

30.00'

16.00' PUBLIC GREENWAY (TYP.)

180.0' ELECTRIC EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-7.6

8" BLOW OFF ASSEMBLY

FLATROCK RIDGE STREET
62' PUBLIC R/W

SSMH #31

16+00

8" DIP W/L

P #32

15+00

SSMH #33

20+47

20+00

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

MILLPOND BLUFF DRIVE
50' PUBLIC R/W

FHA

8" DIP W/L

P #31

SSMH #32

14+00

10+00

11+00

12+00

8" DIP W/L

SSMH #50

FHA

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

MAGMA CHAMBER WAY
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-7.4

13+00

12+00

P #48

BOULDER MILL DRIVE
50' PUBLIC R/W

SSMH #27

35+75

8"x12" TEE
W / (1) 12" GV
(2) 8" GV

FHA

35+00

12" DIP W/L

11+00

9" DIP W/L

SSMH #49

10+00

8" BLOW OFF ASSEMBLY

SSMH #51

10+00

8" BLOW OFF ASSEMBLY

P #50

8" DIP W/L

SSMH #53
INSIDE DROP MANHOLE

P #49

13+00

14+00

SSMH #52

8" BLOW OFF ASSEMBLY

13+25

13+00

12+00

11+00

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

LAVA STREET
50' PUBLIC R/W

P #51

RETAINING WALL (TYP.)

10.00' RETAINING WALL EASEMENT (TYP.)

SSMH #54

P #52

15+00

SSMH #57

17+00

10+00

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

P #53

FHA

P #55

19+00

SSMH #58

8" 11.25° BEND

P #56

16+00

8" 11.25° BEND

11+00

P #57

8" 22.5° BEND

12+00

SSMH #59

8" 22.5° BEND

13+00

SSMH #60

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

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

19+00

SSMH #56

20+00

8" DIP W/L

P #54

SSMH #55

21+00

21+55

20.00' ACCESS & DRAINAGE EASEMENT

FHA

STREAM SA

SCM #5

SCM #6

SCM MAINTENANCE EASEMENT

WTLD

WA-03

STREAM SA

STREAM SF

30.0' BUFFER ZONE 1

20.0' BUFFER ZONE 2

P #58

15+00

SSMH #61

16+00

17+00

8" DIP W/L

P #59

14+00

8" DIP W/L

LIMESTONE WALL LANE
50' PUBLIC R/W

18+00

P #60

MATCH LINE
FOR CONTINUATION, SEE C-7.6

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

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

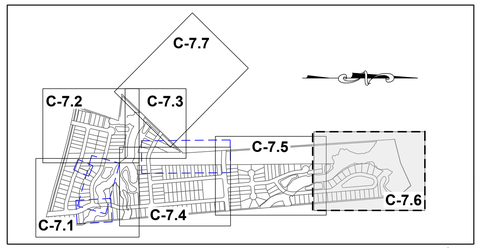
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL UTILITY PLAN V

DRAWING SHEET

C-7.5

33 OF 88



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.

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: 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

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

ZONING CONDITION
10 ON SHEET C-1.3 POTENTIAL
GREENWAY EASEMENT

PROPOSED PUBLIC
GREENWAY EASEMENT.

PROPOSED PUBLIC GREENWAY EASEMENT

TYPE II PERIMETER BUFFER 15.00'

30.00' GREENWAY EASEMENT (TYP.)

100.00' PUBLIC GREENWAY (TYP.)

30.00'

MATCH LINE
FOR CONTINUATION, SEE C-7.5

SCM #7

SCM #6

SCM #8

SCM MAINTENANCE EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

STREAM SA

LIMESTONE WALL LANE
50' PUBLIC R/W

20' PULIC GREENWAY MAINTENANCE EASEMENT

BUFFER ZONE 1 30.00'

BUFFER ZONE 2 20.00'

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

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

RETAINING WALL (TYP.)

10.00' RETAINING WALL EASEMENT (TYP.)

10.00'PUBLIC GREENWAY (TYP.)

GREENWAY

TYPE I PERIMETER BUFFER 15.00'

SSMH #61
SSMH #62
SSMH #63
SSMH #64
SSMH #65
SSMH #66
SSMH #67
SSMH #68
SSMH #69
SSMH #70
SSMH #71
SSMH #71A
SSMH #72
SSMH #73
SSMH #74
SSMH #76

P #60
P #61
P #62
P #63
P #64
P #65
P #66
P #67
P #68
P #69
P #70
P #70A
P #71
P #72
P #73

8" DIP W/L
8" 45° BEND
8" 22.5° BEND
8" 11.25° BEND
8"x8" TEE W / (3) 8" GV
FHA
30.00' CORSE
40' EX. SANITARY SEWER EASEMENT
180.0' ELECTRIC EASEMENT

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)

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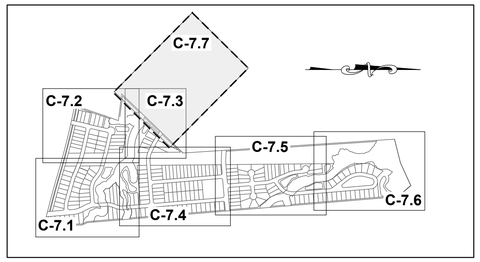
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-7.6



SITE KEY PLAN

LEGEND:

SEE SHEET C-7.0 FOR LEGEND.

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

MATCH LINE
FOR CONTINUATION, SEE C-7.3

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

N/F
GRO PEG PROPERTIES LLC
PIN: 1757664956
DB: 19081 PG: 2786
BM 1982 PG 581
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

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

GRO PEG LN
60' PUBLIC R.O.W.
(BM 2009, PG 2186)

SSMH #40
SSMH #41
SSMH #42
SSMH #43
SSMH #44
SSMH #45
SSMH #46
SSMH #47
P #40
P #41
P #42
P #43
P #44
P #45
P #46
P #47
20"x72" RIPARIAN ZONE 1
100.0' BUFFER ZONE 1
20.0' BUFFER ZONE 2
30.0' CORSSE
30' SANITARY SEWER EASEMENT
20"x72" 8" BLOW OFF ASSEMBLY

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	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-7.7

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #1 BEGIN: SSMH #01 END: SSMH #02	PVC - SDR 26	8"	173	322.99	309.09	8.03%
P #2 BEGIN: SSMH #02 END: SSMH #03	PVC - SDR 26	8"	149	308.89	299.33	6.42%
P #3 BEGIN: SSMH #03 END: SSMH #04	PVC - SDR 26	8"	189	299.13	293.30	3.10%
P #4 BEGIN: SSMH #04 END: SSMH #09 INSIDE DROP MANHOLE	PVC - SDR 26	8"	49	293.10	292.70	0.80%
P #5 BEGIN: SSMH #05 END: SSMH #06	PVC - SDR 26	8"	381	292.77	286.23	1.72%
P #6 BEGIN: SSMH #06 END: SSMH #07	PVC - SDR 26	8"	61	285.34	283.84	2.43%
P #7 BEGIN: SSMH #07 END: SSMH #08	PVC - SDR 26	8"	132	283.64	282.16	1.12%
P #8 BEGIN: SSMH #08 END: SSMH #09 INSIDE DROP MANHOLE	DIP	8"	243	281.96	280.74	0.50%
P #9 BEGIN: SSMH #09 INSIDE DROP MANHOLE END: SSMH #10	DIP	8"	238	280.54	279.35	0.50%
P #10 BEGIN: SSMH #10 END: SSMH #11	PVC - SDR 26	8"	89	279.15	278.70	0.50%
P #11 BEGIN: SSMH #11 END: SSMH #12	DIP	8"	203	278.50	277.49	0.50%
P #12 BEGIN: SSMH #12 END: SSMH #13	DIP	8"	285	277.29	275.86	0.50%
P #13 BEGIN: SSMH #13 END: SSMH #21	DIP	8"	266	275.66	274.33	0.50%
P #14 BEGIN: SSMH #14 END: SSMH #15	PVC - SDR 26	8"	89	309.14	302.16	7.81%
P #15 BEGIN: SSMH #15 END: SSMH #16	PVC - SDR 26	8"	286	301.96	296.70	1.84%
P #16 BEGIN: SSMH #16 END: SSMH #17	PVC - SDR 26	8"	207	296.50	295.47	0.50%
P #17 BEGIN: SSMH #17 END: SSMH #18	PVC - SDR 26	8"	211	295.27	294.22	0.50%
P #18 BEGIN: SSMH #18 END: SSMH #20	PVC - SDR 26	8"	365	294.02	287.12	1.89%
P #19 BEGIN: SSMH #19 END: SSMH #20	PVC - SDR 26	8"	171	302.67	287.12	9.07%
P #20 BEGIN: SSMH #20 END: SSMH #21	PVC - SDR 26	8"	318	284.62	276.47	2.57%
P #21 BEGIN: SSMH #21 END: SSMH #22	PVC - SDR 26	8"	74	274.13	273.76	0.50%
P #22 BEGIN: SSMH #22 END: SSMH #23	PVC - SDR 26	8"	143	273.56	272.85	0.50%
P #23 BEGIN: SSMH #23 END: SSMH #25	DIP	8"	231	272.65	271.49	0.50%
P #25 BEGIN: SSMH #25 END: SSMH #26	PVC - SDR 26	8"	163	271.29	270.47	0.50%
P #26 BEGIN: SSMH #26 END: SSMH #39	PVC - SDR 26	8"	35	270.27	270.10	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #27 BEGIN: SSMH #27 END: SSMH #28	PVC - SDR 26	8"	303	338.19	336.68	0.50%
P #28 BEGIN: SSMH #28 END: SSMH #29	PVC - SDR 26	8"	377	336.48	313.19	6.19%
P #29 BEGIN: SSMH #29 END: SSMH #30	PVC - SDR 26	8"	295	312.99	298.58	4.88%
P #30 BEGIN: SSMH #30 END: SSMH #36	PVC - SDR 26	8"	321	296.17	283.80	3.85%
P #31 BEGIN: SSMH #32 END: SSMH #33	PVC - SDR 26	8"	75	326.29	320.92	7.18%
P #32 BEGIN: SSMH #31 END: SSMH #33	PVC - SDR 26	8"	124	319.24	318.62	0.50%
P #33 BEGIN: SSMH #33 END: SSMH #34	DIP	8"	407	318.42	316.39	0.50%
P #34 BEGIN: SSMH #34 END: SSMH #35	PVC - SDR 26	8"	299	316.19	309.81	2.13%
P #35 BEGIN: SSMH #35 END: SSMH #36	PVC - SDR 26	8"	340	309.61	286.10	6.91%
P #36 BEGIN: SSMH #36 END: SSMH #37	PVC - SDR 26	8"	323	283.60	281.99	0.50%
P #37 BEGIN: SSMH #37 END: SSMH #38	PVC - SDR 26	8"	83	281.79	281.37	0.50%
P #38 BEGIN: SSMH #38 END: SSMH #39	DIP	8"	178	281.17	272.40	4.92%
P #39 BEGIN: SSMH #39 END: SSMH #40	DIP	8"	166	269.90	269.07	0.50%
P #40 BEGIN: SSMH #40 END: SSMH #41	DIP	8"	211	268.87	267.82	0.50%
P #41 BEGIN: SSMH #41 END: SSMH #42	DIP	8"	299	267.62	261.44	2.06%
P #42 BEGIN: SSMH #42 END: SSMH #43	PVC - SDR 26	8"	298	261.24	241.83	6.52%
P #43 BEGIN: SSMH #43 END: SSMH #44	PVC - SDR 26	8"	197	241.63	240.65	0.50%
P #44 BEGIN: SSMH #44 END: SSMH #45	PVC - SDR 26	8"	167	240.45	239.61	0.50%
P #45 BEGIN: SSMH #45 END: SSMH #46	PVC - SDR 26	8"	206	239.41	238.38	0.50%
P #46 BEGIN: SSMH #46 END: SSMH #47	PVC - SDR 26	8"	69	238.18	237.84	0.50%
P #47 BEGIN: SSMH #47 END:	PVC - SDR 26	8"	86	237.64	237.20	0.51%
P #48 BEGIN: SSMH #49 END: SSMH #50	PVC - SDR 26	8"	312	337.56	328.82	2.80%
P #49 BEGIN: SSMH #50 END: SSMH #53 INSIDE DROP MANHOLE	PVC - SDR 26	8"	376	328.62	312.75	4.22%
P #50 BEGIN: SSMH #51 END: SSMH #53 INSIDE DROP MANHOLE	PVC - SDR 26	8"	173	328.30	323.81	2.60%
P #51 BEGIN: SSMH #52 END: SSMH #53 INSIDE DROP MANHOLE	PVC - SDR 26	8"	207	319.74	317.05	1.30%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #52 BEGIN: SSMH #53 INSIDE DROP MANHOLE END: SSMH #54	PVC - SDR 26	8"	226	312.55	306.15	2.83%
P #53 BEGIN: SSMH #54 END: SSMH #57	PVC - SDR 26	8"	112	305.95	302.38	3.19%
P #54 BEGIN: SSMH #55 END: SSMH #56	PVC - SDR 26	8"	237	303.59	302.14	0.61%
P #55 BEGIN: SSMH #56 END: SSMH #57	PVC - SDR 26	8"	237	301.94	300.08	0.79%
P #56 BEGIN: SSMH #57 END: SSMH #58	PVC - SDR 26	8"	42	299.88	299.66	0.50%
P #57 BEGIN: SSMH #58 END: SSMH #59	PVC - SDR 26	8"	143	299.46	294.14	3.73%
P #58 BEGIN: SSMH #59 END: SSMH #60	PVC - SDR 26	8"	114	293.94	288.78	4.54%
P #59 BEGIN: SSMH #60 END: SSMH #61	PVC - SDR 26	8"	340	288.58	282.29	1.85%
P #60 BEGIN: SSMH #61 END: SSMH #62	PVC - SDR 26	8"	399	282.09	280.09	0.50%
P #61 BEGIN: SSMH #62 END: SSMH #63	PVC - SDR 26	8"	392	279.89	264.72	3.87%
P #62 BEGIN: SSMH #63 END: SSMH #64	PVC - SDR 26	8"	44	264.52	263.62	2.06%
P #63 BEGIN: SSMH #64 END: SSMH #65	PVC - SDR 26	8"	36	263.42	261.64	4.91%
P #64 BEGIN: SSMH #65 END: SSMH #71	PVC - SDR 26	8"	43	261.44	260.00	3.38%
P #65 BEGIN: SSMH #66 END: SSMH #67	PVC - SDR 26	8"	219	284.72	269.40	7.00%
P #66 BEGIN: SSMH #67 END: SSMH #68	PVC - SDR 26	8"	98	269.20	266.62	2.62%
P #67 BEGIN: SSMH #68 END: SSMH #69	PVC - SDR 26	8"	100	266.42	264.53	1.89%
P #68 BEGIN: SSMH #69 END: SSMH #70	PVC - SDR 26	8"	145	264.33	263.02	0.90%
P #69 BEGIN: SSMH #70 END: SSMH #71	PVC - SDR 26	8"	53	262.82	260.00	5.29%
P #70 BEGIN: SSMH #71 END: SSMH #71A	PVC - SDR 26	8"	38	259.80	256.96	7.52%
P #70A BEGIN: SSMH #71A END: SSMH #72	PVC - SDR 26	8"	206	254.46	242.35	5.87%
P #71 BEGIN: SSMH #72 END: SSMH #73	PVC - SDR 26	8"	155	242.15	241.38	0.50%
P #72 BEGIN: SSMH #73 END: SSMH #74	PVC - SDR 26	8"	211	241.18	240.12	0.50%
P #73 BEGIN: SSMH #74 END: SSMH #76	PVC - SDR 26	8"	203	239.92	238.91	0.50%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #01	4'	333.45		322.99 N	10.48
SSMH #02	4'	318.61	309.09 S	308.89 N	9.74
SSMH #03	4'	307.38	299.33 S	299.13 NW	8.24
SSMH #04	4'	302.02	293.30 SE	293.10 N	9.13
SSMH #05	5'	307.09		292.77 S	14.38
SSMH #06	4'	292.73	286.23 N	285.34 S	7.39
SSMH #07	4'	293.02	283.84 N	283.64 S	9.39
SSMH #08	4'	293.94	282.16 N	281.96 S	11.99
SSMH #09 INSIDE DROP MANHOLE	6'	300.99	292.70 S 280.74 N	280.54 W	20.48
SSMH #10	5'	298.30	279.35 E	279.15 W	19.15
SSMH #11	5'	297.72	278.70 E	278.50 NW	19.22
SSMH #12	6'	299.97	277.49 SE	277.29 W	22.69
SSMH #13	6'	300.09	275.86 E	275.66 W	24.43
SSMH #14	4'	315.00		309.14 W	5.87
SSMH #15	4'	311.26	302.16 E	301.96 W	9.30
SSMH #16	4'	306.69	296.70 E	296.50 NW	10.18
SSMH #17	5'	307.87	295.47 SE	295.27 W	12.60
SSMH #18	4'	304.83	294.22 E	294.02 W	10.81
SSMH #19	4'	314.06		302.67 N	11.41
SSMH #20	5'	299.69	287.12 S 287.12 E	284.62 N	15.10
SSMH #21	5'	290.65	274.33 E 276.47 S	274.13 NE	16.55
SSMH #22	5'	291.11	273.76 SW	273.56 N	17.54
SSMH #23	4'	276.37	272.85 S	272.65 N	3.72
SSMH #25	4'	274.25	271.49 S	271.29 NE	2.96
SSMH #26	6'	290.29	270.47 SW	270.27 NE	20.01
SSMH #27	4'	343.88		338.19 S	5.69
SSMH #28	4'	345.83	336.68 N	336.48 S	9.35
SSMH #29	4'	324.87	313.19 N	312.99 S	11.88
SSMH #30	4'	308.07	298.58 N	296.17 W	11.93
SSMH #31	4'	324.93		319.24 E	5.69
SSMH #32	4'	333.41		326.29 W	7.15
SSMH #33	4'	329.40	318.62 W 320.92 E	318.42 S	11.00
SSMH #34	5'	336.16	316.39 N	316.19 S	19.97
SSMH #35	4'	317.83	309.81 N	309.61 S	8.22
SSMH #36	5'	300.35	283.80 E 286.10 N	283.60 W	16.77
SSMH #37	4'	290.84	281.99 E	281.79 W	9.05
SSMH #38	4'	289.76	281.37 E	281.17 NW	8.59
SSMH #39	5'	289.25	272.40 SE 270.10 SW	269.90 NW	19.34
SSMH #40	6'	289.94	269.07 SE	268.87 NW	21.06
SSMH #41	6'	289.63	267.82 SE	267.62 NW	22.01

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #42	4'	267.65	261.44 SE	261.24 NW	6.41
SSMH #43	5'	255.10	241.83 SE	241.63 NW	13.60
SSMH #44	4'	251.36	240.65 SE	240.45 W	10.93
SSMH #45	4'	244.49	239.61 E	239.41 NW	5.08
SSMH #46	4'	245.77	238.38 SE	238.18 NW	7.58
SSMH #47	4'	245.26	237.84 SE	237.64 NW	7.63
SSMH #49	4'	343.25		337.56 W	5.69
SSMH #50	4'	336.72	328.82 E	328.62 N	8.11
SSMH #51	4'	334.71		328.30 E	6.43
SSMH #52	4'	325.43		319.74 W	5.71
SSMH #53 INSIDE DROP MANHOLE	6'	330.22	312.75 S 323.81 W 317.05 E	312.55 N	17.67
SSMH #54	5'	318.47	306.15 S	305.95 N	12.55
SSMH #55	4'	309.47		303.59 S	5.91
SSMH #56	5'	316.82	302.14 N	301.94 SE	14.88
SSMH #57	5'	318.55	302.38 S 300.08 NW	299.88 NE	18.70
SSMH #58	5'	315.87	299.66 SW	299.46 NE	16.41
SSMH #59	4'	303.77	294.14 SW	293.94 NE	9.83
SSMH #60	4'	296.71	288.78 SW	288.58 N	8.13
SSMH #61	5'	299.30	282.29 S	282.09 N	17.22
SSMH #62	4'	291.24	280.09 S	279.89 N	11.35
SSMH #63	4'	272.09	264.72 S	264.52 NW	7.59
SSMH #64	4'	270.96	263.62 SE	263.42 NW	7.54
SSMH #65	4'	270.58	261.64 SE	261.44 W	9.14
SSMH #66	4'	292.65		284.72 NW	7.93
SSMH #67	4'	277.44	269.40 SE	269.20 N	8.24
SSMH #68	4'	274.33	266.62 S	266.42 N	7.91
SSMH #69	4'	273.16	264.53 S	264.33 N	8.83
SSMH #70	4'	271.49	263.02 S	262.82 NE	8.67
SSMH #71	4'	270.84	260.00 E 260.00 SW	259.80 NW	11.07
SSMH #71A	5'	271.18	256.96 SE	254.46 NW	16.71
SSMH #72	4'	247.97	242.35 SE	242.15 NW	5.81
SSMH #73	4'	246.00	241.38 SE	241.18 NW	4.82
SSMH #74	4'	246.00	240.12 SE	239.92 NW	6.08
SSMH #76	4'	254.41	238.91 SE		15.50

LEGEND:

SEE UTILITY PLAN ON THE PREVIOUS PAPE.

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No.	REVISIONS	DATE	BY

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

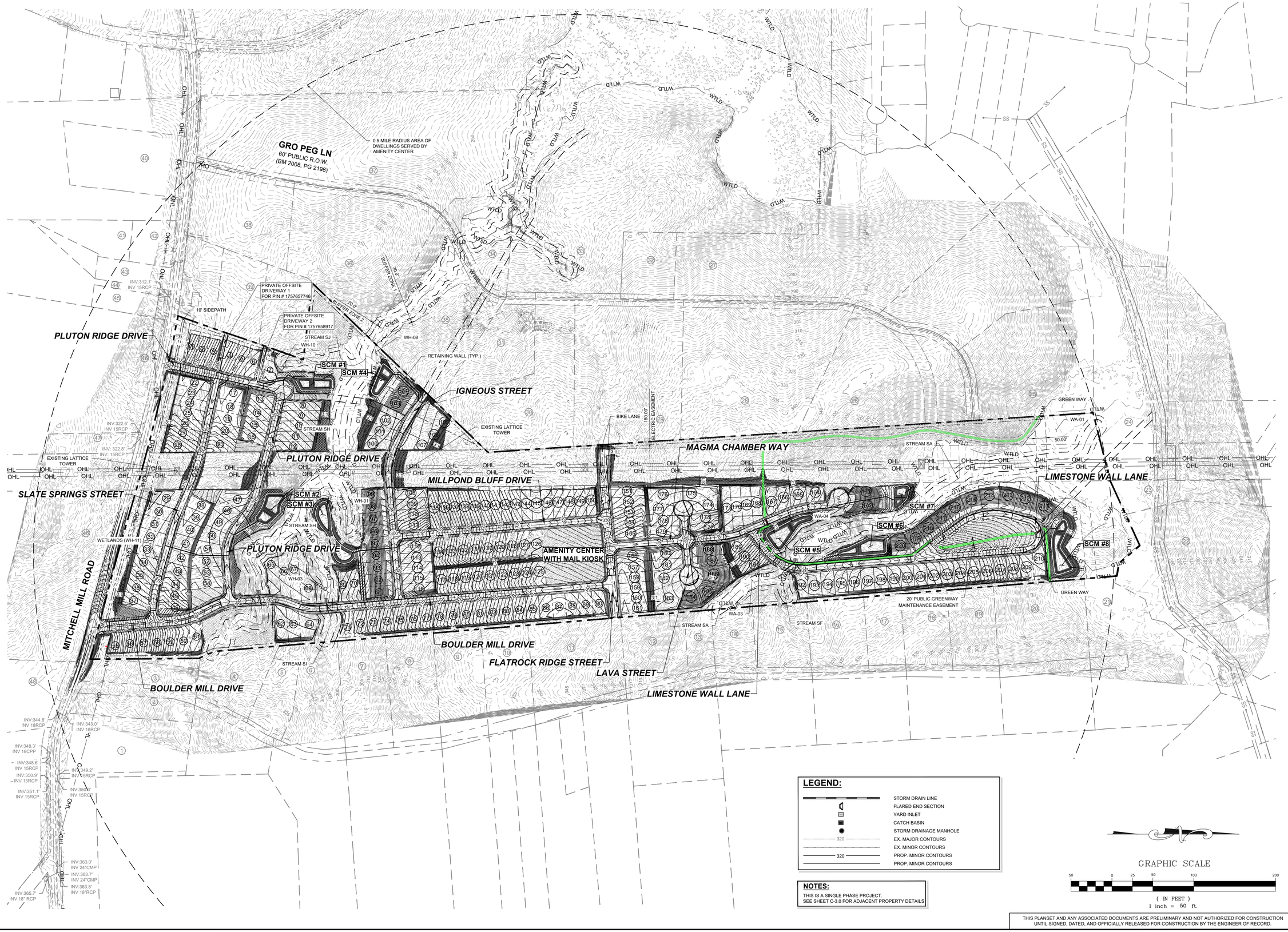
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

SANITARY SEWER TABLES

DRAWING SHEET

C-7.8

PROGRESS PLOT DATE: 11/01/2024



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

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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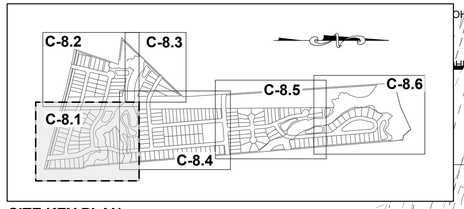
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

OVERALL GRADING & DRAINAGE PLAN

DRAWING SHEET
C-8.0



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

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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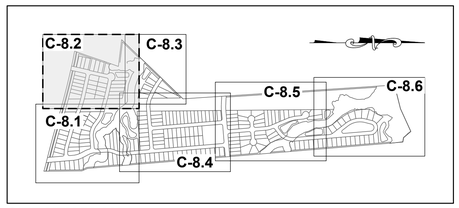
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	DESIGNED BY	JWL
	SCALE AS SHOWN	DRAWN BY	SRG
		CHECKED BY	JWL

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

DRAWING SHEET
C-8.1

38 OF 88



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY

SEAL

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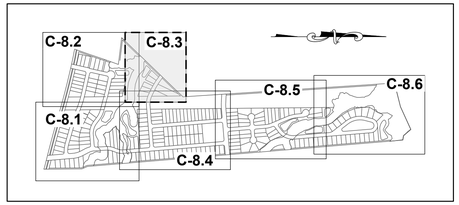
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-8.2

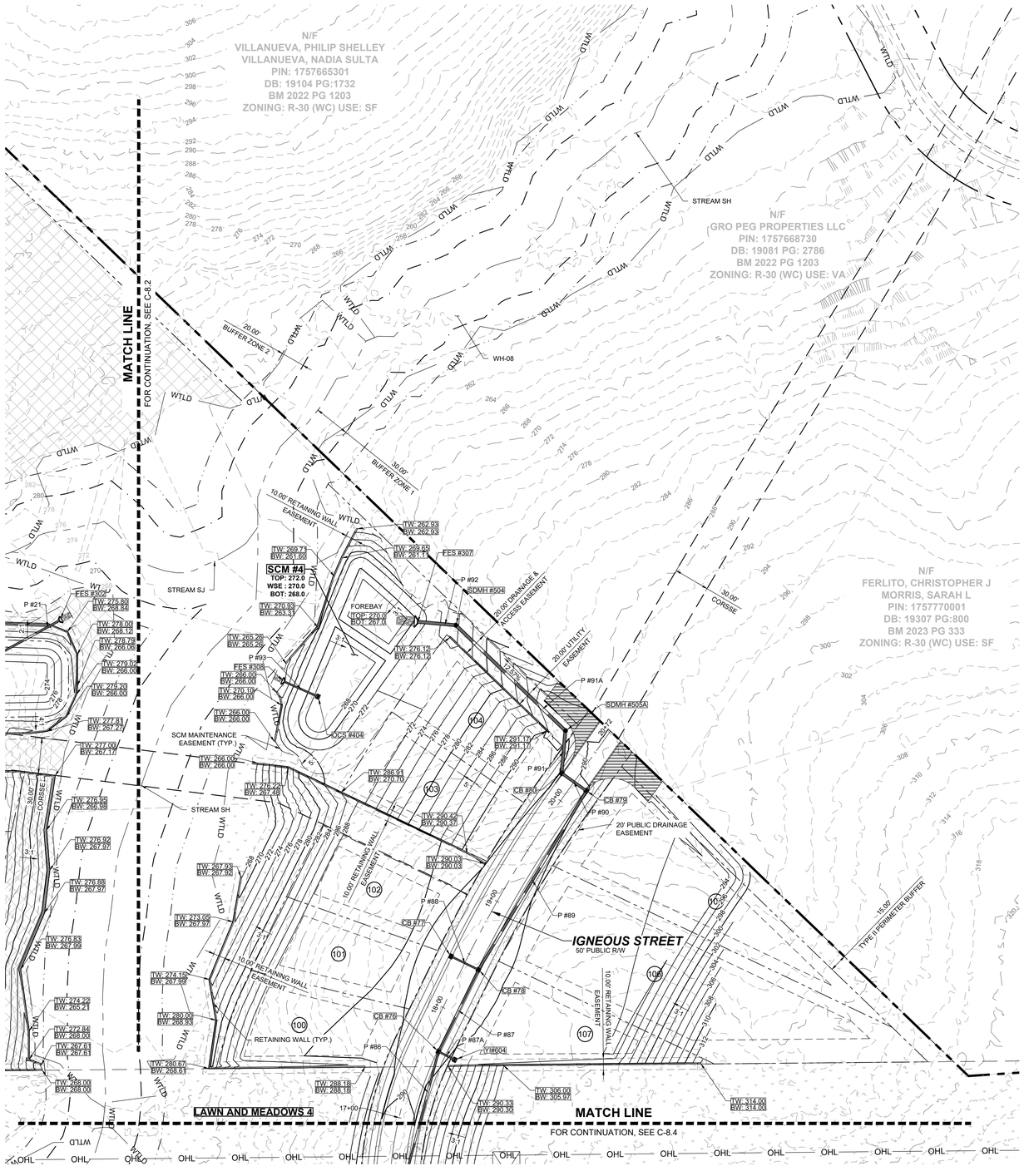
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609



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

SEAL:
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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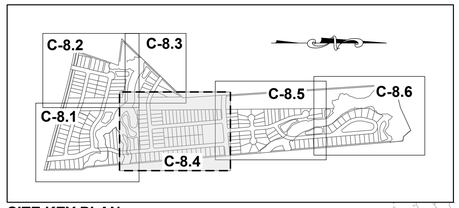
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-8.3

PROGRESS PLOT DATE: 11/01/2024



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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

IGNEOUS STREET
50' PUBLIC R/W

BOULDER MILL DRIVE
50' PUBLIC R/W

SCM #3
TOP: 280.0
WSE : 279.0
BOT: 276.0

FOREBAY
TOP: 280.0
BOT: 276.0

EXISTING LATTICE TOWER

DISTANCE FROM TOWER TO BACK OF CURB = 72.35'

DISTANCE FROM TOWER TO SIDEWALK = 62.35'

DISTANCE FROM TOWER TO SIDEWALK = 49'

DISTANCE FROM TOWER TO BACK OF CURB = 59'

DISTANCE FROM TOWER TO SIDEWALK = 48'

DISTANCE FROM TOWER TO BACK OF CURB = 58'

ELECTRIC EASEMENT 180.00'

10.00' RETAINING WALL EASEMENT

20.00' DRAINAGE & ACCESS EASEMENT

20.00' PUBLIC BUFFER ZONE 2

30.00' PUBLIC BUFFER ZONE

20' PUBLIC DRAINAGE EASEMENT

SCM MAINTENANCE EASEMENT (TYP.)

10 FT. HOA PRIVATE MULTI-USE CONCRETE

RETAINING WALL (TYP.)

TYPE II PERIMETER BUFFER 15.00'

AMENITY CENTER WITH MAIL KIOSK

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.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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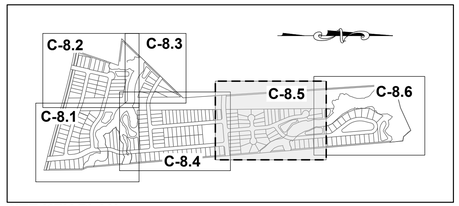
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

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

DRAWING SHEET
C-8.4



SITE KEY PLAN

LEGEND:

SEE SHEET C-8.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY

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305 CHURCH AT NORTH HILLS STREET, SUITE 1110

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

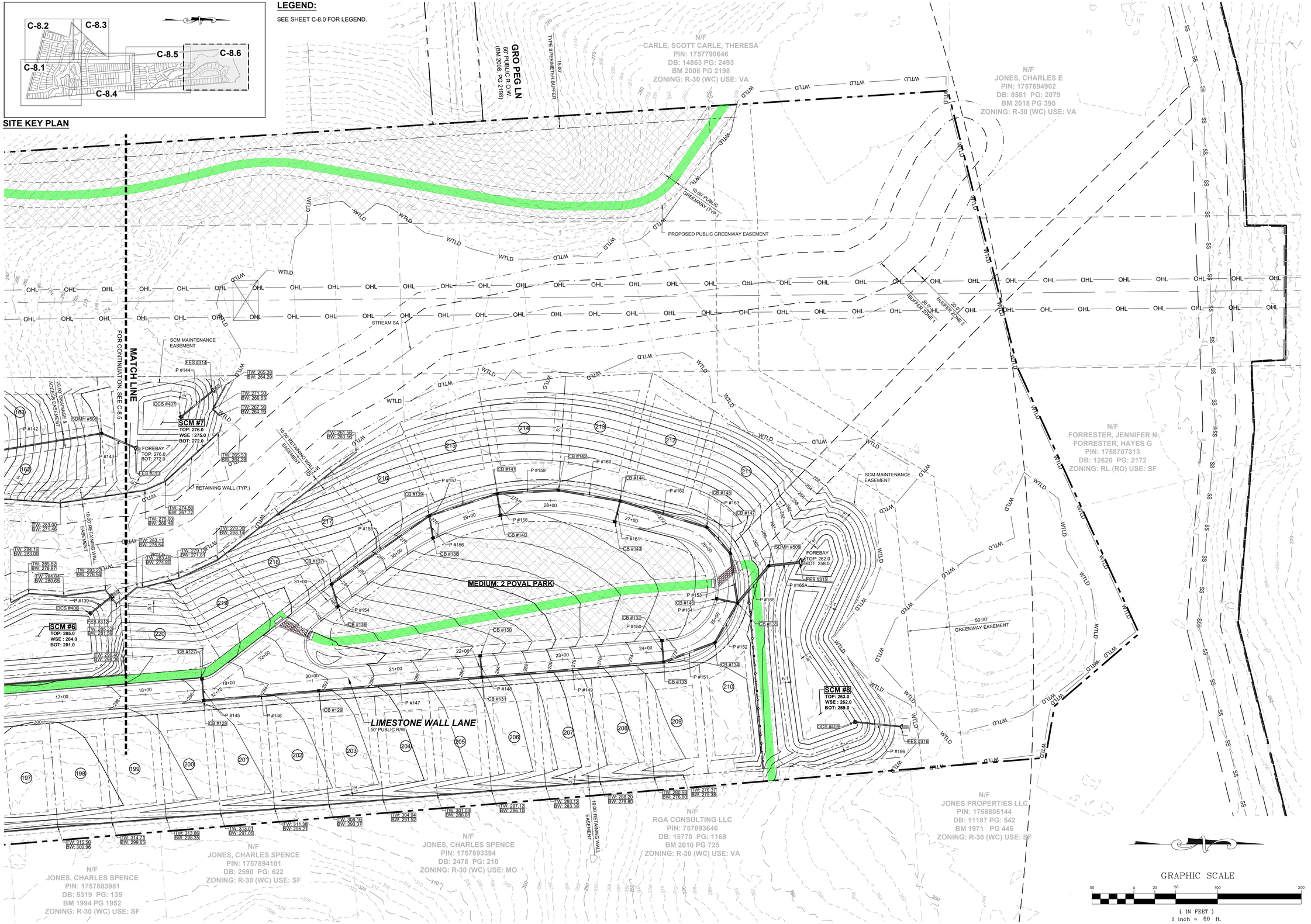
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING & DRAINAGE PLAN V

DRAWING SHEET
C-8.5

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.

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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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 #1 BEGIN: CB #01 END: CB #02	RCP	15"	34	310.46	309.96	1.46%
P #2 BEGIN: CB #02 END: CB #03	RCP	15"	140	308.92	298.04	7.76%
P #3 BEGIN: CB #03 END: CB #10	RCP	18"	95	297.65	290.08	8.00%
P #4 BEGIN: CB #05 END: CB #06	RCP	15"	26	296.00	295.24	2.95%
P #5 BEGIN: CB #06 END: CB #08	RCP	15"	122	295.04	292.65	1.97%
P #6 BEGIN: CB #07 END: CB #08	RCP	15"	26	293.15	292.89	1.00%
P #7 BEGIN: CB #08 END: CB #09	RCP	18"	112	292.45	291.88	0.50%
P #8 BEGIN: CB #09 END: CB #10	RCP	18"	54	291.65	290.30	2.53%
P #9 BEGIN: DI #201 END: CB #04	RCP	15"	53	294.73	290.53	8.00%
P #10 BEGIN: CB #04 END: CB #10	RCP	15"	26	290.33	290.07	1.00%
P #11 BEGIN: CB #10 END: CB #10A	RCP	24"	107	288.20	284.39	3.56%
P #11A BEGIN: YI #605 END: CB #10A	RCP	15"	38	285.88	285.18	1.87%
P #11B BEGIN: CB #10A END: CB #11	RCP	24"	70	284.19	281.88	3.28%
P #12 BEGIN: CB #11 END: CB #12	RCP	24"	26	281.68	281.56	0.50%
P #13 BEGIN: DI #202 END: CB #12	RCP	15"	33	284.44	282.56	5.70%
P #14 BEGIN: CB #12 END: CB #17	RCP	24"	96	281.36	280.88	0.50%
P #15 BEGIN: CB #13 END: CB #14	RCP	15"	35	293.84	293.02	2.37%
P #16 BEGIN: CB #14 END: CB #16	RCP	15"	160	292.76	287.85	3.08%
P #17 BEGIN: CB #15 END: CB #16	RCP	15"	41	288.14	287.86	0.68%
P #18 BEGIN: CB #16 END: CB #17	RCP	18"	93	287.47	283.18	4.59%
P #19 BEGIN: CB #17 END: SDMH #501	RCP	30"	36	280.68	278.55	5.97%
P #20 BEGIN: SDMH #501 END: FES #301	RCP	30"	42	278.35	278.00	0.84%
P #21 BEGIN: OCS #401 END: FES #302	RCP	18"	59	274.00	269.00	8.47%
P #22 BEGIN: CB #18 END: CB #19	RCP	15"	44	332.57	331.42	2.61%
P #23 BEGIN: CB #19 END: CB #21	RCP	15"	173	329.49	317.41	7.00%
P #24 BEGIN: CB #20 END: CB #21	RCP	15"	44	317.41	315.74	3.81%
P #25 BEGIN: CB #21 END: CB #22	RCP	18"	49	315.54	311.39	8.56%
P #26 BEGIN: CB #22 END: CB #23	RCP	18"	26	311.19	310.93	1.00%
P #27 BEGIN: CB #23 END: CB #25	RCP	24"	167	310.73	303.03	4.62%
P #28 BEGIN: CB #24 END: CB #25	RCP	15"	26	304.49	303.03	5.70%
P #29 BEGIN: CB #25 END: CB #29	RCP	24"	151	302.83	300.33	1.66%
P #30 BEGIN: CB #26 END: CB #27	RCP	15"	33	302.60	302.27	1.00%
P #31 BEGIN: CB #27 END: CB #29	RCP	15"	150	302.07	300.33	1.17%
P #32 BEGIN: CB #28 END: CB #29	RCP	18"	26	301.47	300.33	4.46%

PIPE TABLE

PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #33 BEGIN: CB #29 END: YI #603	RCP	24"	121	300.13	294.12	4.98%
P #33A BEGIN: YI #603 END: SDMH #505	RCP	24"	27	293.92	293.78	0.50%
P #34 BEGIN: SDMH #505 END: CB #30	RCP	24"	119	293.58	292.99	0.50%
P #35 BEGIN: CB #30 END: CB #37	RCP	24"	26	292.28	292.15	0.50%
P #36 BEGIN: CB #31 END: CB #32	RCP	15"	48	301.81	301.03	1.61%
P #37 BEGIN: CB #32 END: CB #34	RCP	18"	161	300.49	296.65	2.39%
P #38 BEGIN: CB #33 END: CB #34	RCP	15"	40	297.19	296.79	1.00%
P #39 BEGIN: CB #34 END: CB #35	RCP	24"	45	296.29	294.90	3.08%
P #40 BEGIN: CB #35 END: CB #36	RCP	24"	82	294.70	294.03	0.81%
P #41 BEGIN: CB #36 END: CB #30	RCP	30"	101	293.83	292.48	1.34%
P #42 BEGIN: CB #37 END: CB #39	RCP	30"	105	291.95	291.42	0.50%
P #43 BEGIN: CB #38 END: CB #39	RCP	15"	26	293.17	292.91	1.00%
P #44 BEGIN: CB #39 END: SDMH #502	RCP	36"	90	291.22	287.52	4.10%
P #45 BEGIN: CB #40 END: CB #41	RCP	15"	27	293.28	291.13	8.00%
P #46 BEGIN: CB #41 END: SDMH #502	RCP	18"	43	290.93	287.52	8.00%
P #47 BEGIN: SDMH #502 END: FES #303	RCP	36"	43	287.32	287.00	0.73%
P #48 BEGIN: OCS #402 END: FES #304	RCP	18"	58	283.00	280.04	5.09%
P #49 BEGIN: CB #42 END: CB #43	RCP	15"	26	289.96	289.23	2.86%
P #50 BEGIN: CB #43 END: CB #44	RCP	15"	117	289.03	288.45	0.50%
P #51 BEGIN: CB #44 END: CB #45	RCP	18"	26	288.25	288.12	0.50%
P #52 BEGIN: CB #45 END: CB #45A	RCP	18"	89	287.92	287.47	0.50%
P #52A BEGIN: CB #45A END: CB #47	RCP	18"	87	287.27	286.69	0.67%
P #52B BEGIN: CB #45B END: CB #45A	RCP	15"	26	288.04	287.91	0.50%
P #53 BEGIN: CB #46 END: CB #47	RCP	15"	26	284.57	284.44	0.50%
P #54 BEGIN: CB #47 END: CB #58	RCP	24"	133	284.24	283.58	0.50%
P #55 BEGIN: CB #57 END: CB #58	RCP	15"	26	286.50	284.86	6.19%
P #56 BEGIN: CB #48 END: CB #49	RCP	15"	28	338.24	337.43	2.87%
P #57 BEGIN: CB #49 END: CB #51	RCP	18"	180	337.14	324.54	7.00%
P #58 BEGIN: CB #50 END: CB #51	RCP	15"	26	325.01	324.75	1.00%
P #59 BEGIN: CB #51 END: CB #53	RCP	18"	180	324.34	313.36	6.10%
P #60 BEGIN: CB #52 END: CB #53	RCP	15"	26	314.33	314.07	1.00%
P #61 BEGIN: CB #53 END: CB #55	RCP	24"	200	313.16	302.50	5.33%
P #62 BEGIN: CB #54 END: CB #55	RCP	15"	26	304.35	303.83	2.04%
P #63 BEGIN: CB #55 END: CB #56	RCP	24"	89	302.30	296.31	6.70%

PIPE TABLE

PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #64 BEGIN: CB #56 END: CB #58	RCP	30"	125	294.38	285.65	7.00%
P #65 BEGIN: CB #58 END: SDMH #503	RCP	30"	253	283.38	279.48	1.54%
P #66 BEGIN: CB #59 END: CB #60	RCP	15"	26	329.24	328.99	1.00%
P #67 BEGIN: CB #60 END: CB #62	RCP	18"	201	328.79	315.34	6.69%
P #68 BEGIN: CB #61 END: CB #62	RCP	15"	26	316.71	315.34	5.37%
P #69 BEGIN: CB #62 END: CB #64	RCP	18"	209	315.13	300.83	6.83%
P #70 BEGIN: CB #63 END: CB #64	RCP	15"	26	302.16	300.83	5.18%
P #71 BEGIN: YI #601 END: CB #64	RCP	15"	21	303.42	302.01	6.76%
P #72 BEGIN: YI #602 END: CB #64	RCP	15"	36	301.08	300.83	0.69%
P #73 BEGIN: CB #64 END: CB #66	RCP	24"	131	300.41	295.71	3.59%
P #74 BEGIN: CB #65 END: CB #66	RCP	15"	26	296.74	296.40	1.33%
P #75 BEGIN: CB #66 END: CB #67	RCP	24"	52	295.51	292.92	5.03%
P #76 BEGIN: CB #67 END: CB #70	RCP	24"	26	292.72	292.46	1.00%
P #77 BEGIN: CB #68 END: CB #69	RCP	15"	28	298.00	297.20	2.87%
P #78 BEGIN: CB #69 END: CB #70	RCP	18"	120	297.00	292.51	3.73%
P #79 BEGIN: CB #70 END: SDMH #503	RCP	30"	157	292.01	279.48	7.97%
P #80 BEGIN: SDMH #503 END: FES #305	RCP	36"	35	279.28	279.00	0.81%
P #81 BEGIN: OCS #403 END: FES #306	RCP	18"	48	275.00	270.40	9.56%
P #82 BEGIN: CB #71 END: CB #72	RCP	15"	28	293.07	292.06	3.68%
P #83 BEGIN: CB #72 END: CB #74	RCP	15"	165	291.86	286.82	3.05%
P #83A BEGIN: YI#606 END: CB #74		15"	21	288.41	287.26	5.38%
P #84 BEGIN: CB #73 END: CB #74	RCP	15"	26	287.40	287.14	1.00%
P #85 BEGIN: CB #74 END: CB #75	RCP	18"	86	286.62	285.96	0.77%
P #86 BEGIN: CB #75 END: CB #76	RCP	18"	109	285.71	284.74	0.89%
P #87 BEGIN: CB #76 END: CB #78	RCP	18"	76	284.53	284.02	0.66%
P #87A BEGIN: YI#604 END: CB #76	RCP	15"	15	285.58	284.73	5.56%
P #88 BEGIN: CB #77 END: CB #78	RCP	15"	26	284.43	284.17	1.00%
P #89 BEGIN: CB #78 END: CB #79	RCP	24"	176	283.62	282.61	0.57%
P #90 BEGIN: CB #79 END: CB #80	RCP	24"	26	282.41	282.28	0.50%
P #91 BEGIN: CB #80 END: SDMH #505A	RCP	30"	36	282.08	280.74	3.76%
P #91A BEGIN: SDMH #505A END: SDMH #504	RCP	30"	128	280.54	271.36	7.18%
P #92 BEGIN: SDMH #504 END: FES #307	RCP	30"	32	271.16	271.00	0.50%
P #93 BEGIN: OCS #404 END: FES #308	RCP	15"	31	267.00	266.00	3.27%
P #93A BEGIN: Structure - (267) END: Structure - (268)	RCP	42"	54	273.28	274.58	2.42%

PIPE TABLE

PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #93B BEGIN: Structure - (269) END: Structure - (270)	RCP	42"	53	281.10	280.66	0.84%
P #94 BEGIN: CB #81 END: CB #82	RCP	15"	26	337.62	337.49	0.50%
P #95 BEGIN: CB #82 END: CB #83	RCP	18"	44	337.29	337.07	0.50%
P #96 BEGIN: CB #83 END: CB #84	RCP	18"	38	336.87	336.68	0.50%
P #97 BEGIN: CB #84 END: CB #86	RCP	24"	97	336.48	333.93	2.63%
P #98 BEGIN: CB #85 END: CB #86	RCP	18"	38	334.48	334.10	1.00%
P #99 BEGIN: CB #86 END: CB #88	RCP	24"	44	333.90	331.07	6.43%
P #100 BEGIN: CB #87 END: CB #81	RCP	15"	44	338.04	337.82	0.50%
P #101 BEGIN: CB #88 END: CB #90	RCP	24"	141	330.87	330.10	0.55%
P #102 BEGIN: CB #89 END: CB #90	RCP	15"	26	330.92	330.66	1.00%
P #103 BEGIN: CB #90 END: CB #91	RCP	24"	139	329.90	324.33	4.00%
P #104 BEGIN: CB #91 END: CB #92	RCP	24"	45	324.11	321.39	6.00%
P #105 BEGIN: CB #92 END: CB #94	RCP	24"	26	321.19	319.40	7.00%
P #106 BEGIN: CB #93 END: CB#94A	RCP	15"	94	320.26	319.79	0.50%
P #107 BEGIN: CB #94 END: CB #107	RCP	30"	44	319.00	315.84	7.15%
P #108 BEGIN: CB #95 END: CB #96	RCP	15"	26	325.00	324.74	1.00%
P #109 BEGIN: CB #96 END: CB #97	RCP	18"	44	324.44	322.21	5.07%
P #110 BEGIN: CB #97 END: CB #98	RCP	18"	38	322.00	321.62	1.00%
P #111 BEGIN: CB #98 END: CB #100	RCP	24"	105	320.90	318.74	2.05%
P #112 BEGIN: CB #99 END: CB #100	RCP	15"	38	320.07	318.74	3.53%
P #113 BEGIN: CB #100 END: YI #601	RCP	18"	173	318.54	317.68	0.50%
P #114 BEGIN: YI #601 END: YI #602	RCP	18"	192	317.48	316.48	0.52%
P #115 BEGIN: YI #602 END: CB #103	RCP	18"	68	316.28	315.94	0.50%
P #116 BEGIN: CB #103 END: CB #105A	RCP	30"	84	315.74	315.32	0.50%
P #116A BEGIN: CB #105A END: CB #105	RCP	30"	69	315.12	314.77	0.50%
P #117 BEGIN: CB #104 END: CB #105	RCP	15"	27	318.39	317.07	4.90%
P #117A BEGIN: CB #104A END: CB #105A	RCP	15"	68	317.17	316.64	0.78%
P #118 BEGIN: CB #105 END: CB #106	RCP	30"	45	314.57	314.35	0.50%
P #119 BEGIN: CB #106 END: CB #107	RCP	30"	26	314.15	314.02	0.50%
P #120 BEGIN: CB #107 END: CB #109	RCP	30"	141	313.82	310.20	2.57%
P #121 BEGIN: CB #108 END: CB #109	RCP	15"	26	311.48	310.20	5.00%
P #122 BEGIN: CB #109 END: CB #111	RCP	30"	84	309.90	306.70	3.81%
P #123 BEGIN: CB #110 END: CB #111	RCP	15"	26	308.98	307.70	5.00%
P #124 BEGIN: CB #111 END: CB #112	RCP	30"	129	306.50	304.43	1.61%

PIPE TABLE

PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #125 BEGIN: CB #112 END: CB #114	RCP	36"	129	304.23	301.35	2.23%
P #125A BEGIN: CB #112A END: CB #112	RCP	15"	26	307.54	306.56	3.79%
P #126 BEGIN: CB #113 END: CB #114	RCP	15"	26	305.00	303.65	5.26%
P #127 BEGIN: CB #114 END: FES #309	RCP	36"	29	301.15	301.00	0.50%
P #128 BEGIN: OCS #405 END: FES #310	RCP	18"	57	297.00	292.15	8.54%
P #129 BEGIN: CB #115 END: CB #116	RCP	15"	26	298.18	297.76	1.64%
P #130 BEGIN: CB #116 END: CB #117	RCP	15"	72	297.56	293.05	6.25%
P #131 BEGIN: CB #117 END: CB #118	RCP	18"	85	292.66	289.77	3.39%
P #132 BEGIN: CB #118 END: CB #120	RCP	18"	43	289.57	289.36	0.50%
P #133 BEGIN: CB #119 END: CB #120	RCP	18"	26	289.89	289.65	0.95%
P #134 BEGIN: CB #120 END: CB #123	RCP	24"	44	289.16	287.88	2.91%
P #135 BEGIN: CB #121 END: CB #122	RCP	15"	26	294.42	294.16	1.01%
P #136 BEGIN: CB #122 END: CB #123	RCP	18"	130	293.88	287.88	4.60%
P #137 BEGIN: CB #123 END: SDMH #507	RCP	24"	26	287.68	287.51	0.64%
P #138 BEGIN: SDMH #507 END: FES #311	RCP	24"	68	287.31	284.00	4.88%
P #139 BEGIN: OCS #406 END: FES #312	RCP	18"	32	280.00	279.11	2.80%
P #140 BEGIN: CB #124 END: CB #125	RCP	15"	26	310.51	310.09	1.63%
P #140A BEGIN: CB #124A END: CB #125A	RCP	15"	30	306.55	305.00	5.09%
P #141 BEGIN: CB #125 END: CB #125A	RCP	18"	97	308.49	302.70	5.98%
P #141A BEGIN: CB #125A END: CB #126	RCP	18"	94	302.50	293.40	9.69%
P #142 BEGIN: CB #126 END: SDMH #508	RCP	18"	196	290.91	276.06	7.57%
P #143 BEGIN: SDMH #508 END: FES #313	RCP	18"	43	275.86	275.00	2.00%
P #144 BEGIN: OCS #407 END: FES #314	RCP	18"	49	271.00	268.19	5.78%
P #145 BEGIN: CB #127 END: CB #128	RCP	15"	26	291.05	290.80	1.00%
P #146 BEGIN: CB #128 END: CB #129	RCP	18"	138	290.60	287.39	2.32%
P #147 BEGIN: CB #129 END: CB #131	RCP	24"	196	286.85	279.62	3.70%
P #148 BEGIN: CB #130 END: CB #131	RCP	15"	26	280.43	280.17	1.00%
P #149 BEGIN: CB #131 END: CB #133	RCP	24"	218	279.13	268.00	5.11%
P #150 BEGIN: CB #132 END: CB #133	RCP	15"	26	268.26	268.00	1.00%
P #151 BEGIN: CB #133 END: CB #134	RCP	24"	65	267.80	266.50	1.98%
P #152 BEGIN: CB #134 END: CB #135	RCP	24"	55	266.30	265.05	2.29%
P #153 BEGIN: CB #147 END: CB #135	RCP	24"	60	265.35	265.05	0.50%
P #154 BEGIN: CB #136 END: CB #137	RCP	15"	28	281.29	279.49	6.50%
P #155 BEGIN: CB #137 END: CB #139	RCP	18"	143	279.29	270.35	6.27%

PIPE TABLE

PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #156 BEGIN: CB #138 END: CB #139	RCP	15"	27	271.79	271.48	1.16%
P #157 BEGIN: CB #139 END: CB #141	RCP	18"	85	270.15	268.75	1.65%
P #158 BEGIN: CB #140 END: CB #141	RCP	15"	26	269.58	269.33	1.00%
P #159 BEGIN: CB #141 END: CB #142	RCP	24"	73	268.55	267.82	1.00%
P #160 BEGIN: CB #142 END: CB #144	RCP	24"	75	267.62	267.14	0.64%
P #161 BEGIN: CB #143 END: CB #144	RCP	15"	26	267.95	267.69	1.00%
P #162 BEGIN: CB #144 END: CB #145	RCP	24"	108	266.94	265.96	0.91%
P #163 BEGIN: CB #145 END: CB #147	RCP	24"	42	265.76	265.55	0.50%
P #164 BEGIN: CB #146 END: CB #135	RCP	18"	26	265.70	265.05	2.56%
P #165 BEGIN: CB #135 END: SDMH #509	RCP	30"	58	264.45	261.38	5.27%
P #165A BEGIN: SDMH #509 END: FES #315	RCP	30"	36	261.18	261.00	0.50%
P #166 BEGIN: OCS #408 END: FES #316	RCP	15"	55	255.17	251.27	7.12%
P #167 BEGIN: Structure - (258) END: Structure - (259)	RCP	36"	65	280.83	280.01	1.26%
P#105A BEGIN: CB#92A END: CB#94A	RCP	15"	29	322.16	320.28	6.57%
P#106A BEGIN: CB#94A END: CB #94	RCP	15"	78	319.59	319.20	0.50%

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

STORM DRAINAGE TABLES

DRAWING SHEET

C-8.7

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	314.90		310.46 E
CB #02	2' X 3'	314.40	309.96 W	308.92 N
CB #03	2' X 3'	302.74	298.04 S	297.65 N
CB #04	2' X 3'	295.25	290.53 S	290.33 E
CB #05	2' X 3'	300.44		296.00 N
CB #06	2' X 3'	300.44	295.24 S	295.04 W
CB #07	2' X 3'	297.59		293.15 N
CB #08	2' X 3'	297.58	292.89 S 292.65 E	292.45 W
CB #09	2' X 3'	298.46	291.88 E	291.65 NW
CB #10	2' X 3'	295.03	290.07 W 290.08 S 290.30 SE	288.20 N
CB #10A	2' X 3'	289.71	284.39 S 285.18 E	284.19 N
CB #11	2' X 3'	288.71	281.88 S	281.68 W
CB #12	2' X 3'	288.71	281.56 E 282.56 S	281.36 N
CB #13	2' X 3'	298.28		293.84 NW
CB #14	2' X 3'	297.46	293.02 SE	292.76 W
CB #15	2' X 3'	292.57		288.14 N
CB #16	2' X 3'	291.70	287.85 E 287.86 S	287.47 W
CB #17	2' X 3'	289.40	280.88 S 283.18 E	280.68 NW
CB #18	2' X 3'	337.01		332.57 W
CB #19	2' X 3'	336.52	331.42 E	329.49 N
CB #20	2' X 3'	321.84		317.41 W
CB #21	2' X 3'	321.84	317.41 S 315.74 E	315.54 NW
CB #22	2' X 3'	316.30	311.39 SE	311.19 N
CB #23	2' X 3'	316.21	310.93 S	310.73 W
CB #24	2' X 3'	308.93		304.49 N
CB #25	2' X 3'	308.95	303.03 S 303.03 E	302.83 W
CB #26	2' X 3'	307.04		302.60 NE
CB #27	2' X 3'	306.93	302.27 SW	302.07 E
CB #28	2' X 3'	306.18		301.47 N
CB #29	2' X 3'	306.18	300.33 E 300.33 S 300.33 W	300.13 N
CB #30	2' X 3'	298.32	292.99 S 292.48 E	292.28 N
CB #31	2' X 3'	306.24		301.81 W
CB #32	2' X 3'	305.46	301.03 E	300.49 NW
CB #33	2' X 3'	301.60		297.19 W
CB #34	2' X 3'	301.59	296.65 SE 296.79 E	296.29 NW
CB #35	2' X 3'	300.20	294.90 SE	294.70 W
CB #36	2' X 3'	299.28	294.03 E	293.83 W
CB #37	2' X 3'	298.32	292.15 S	291.95 W
CB #38	2' X 3'	297.60		293.17 NE
CB #39	2' X 3'	297.59	291.42 E 292.91 SW	291.22 NW
CB #40	2' X 3'	298.39		293.28 NE
CB #41	2' X 3'	298.29	291.13 SW	290.93 NE
CB #42	2' X 3'	294.02		289.96 E
CB #43	2' X 3'	294.02	289.23 W	289.03 N
CB #44	2' X 3'	292.98	288.45 S	288.25 NW
CB #45	2' X 3'	292.95	288.12 SE	287.92 N
CB #45A	2' X 3'	292.53	287.47 S 287.91 E	287.27 N
CB #45B	2' X 3'	292.53		288.04 W
CB #46	2' X 3'	293.46		284.57 W
CB #47	2' X 3'	293.46	284.44 E 286.69 S	284.24 N
CB #48	2' X 3'	343.34		338.24 SW
CB #49	2' X 3'	342.68	337.43 NE	337.14 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #50	2' X 3'	332.40		325.01 W
CB #51	2' X 3'	332.40	324.54 N 324.75 E	324.34 S
CB #52	2' X 3'	322.11		314.33 W
CB #53	2' X 3'	322.12	313.36 N 314.07 E	313.16 S
CB #54	2' X 3'	310.70		304.35 W
CB #55	2' X 3'	310.70	302.50 N 303.83 E	302.30 S
CB #56	2' X 3'	305.60	296.31 N	294.38 S
CB #57	2' X 3'	298.83		286.50 W
CB #58	2' X 3'	298.50	285.65 N 284.86 E 283.58 S	283.38 W
CB #59	2' X 3'	333.68		329.24 E
CB #60	2' X 3'	333.68	328.99 W	328.79 S
CB #61	2' X 3'	321.15		316.71 E
CB #62	2' X 3'	321.15	315.34 W 315.34 N	315.13 S
CB #63	2' X 3'	306.60		302.16 E
CB #64	2' X 3'	306.60	300.83 W 300.83 N 300.83 E 302.01 NE	300.41 S
CB #65	2' X 3'	301.18		296.74 E
CB #66	2' X 3'	301.18	296.40 W 295.71 N	295.51 SE
CB #67	2' X 3'	302.31	292.92 NW	292.72 S
CB #68	2' X 3'	305.32		298.00 S
CB #69	2' X 3'	305.09	297.20 N	297.00 W
CB #70	2' X 3'	302.38	292.46 N 292.51 E	292.01 S
CB #71	2' X 3'	297.51		293.07 NW
CB #72	2' X 3'	297.07	292.06 SE	291.86 W
CB #73	2' X 3'	291.83		287.40 N
CB #74	2' X 3'	291.83	286.82 E 287.14 S 287.26 NE	286.62 W
CB #75	2' X 3'	290.67	285.96 E	285.71 W
CB #76	2' X 3'	289.22	284.74 E 284.73 NE	284.53 NW
CB #77	2' X 3'	288.87		284.43 NE
CB #78	2' X 3'	288.87	284.02 SE 284.17 SW	283.62 NW
CB #79	2' X 3'	289.74	282.61 SE	282.41 SW
CB #80	2' X 3'	289.66	282.28 NE	282.08 W
CB #81	2' X 3'	342.93	337.82 NE	337.62 W
CB #82	2' X 3'	342.93	337.49 E	337.29 NW
CB #83	2' X 3'	342.06	337.07 SE	336.87 N
CB #84	2' X 3'	342.07	336.68 S	336.48 W
CB #85	2' X 3'	339.19		334.48 N
CB #86	2' X 3'	339.18	333.93 E 334.10 S	333.90 NW
CB #87	2' X 3'	342.53		338.04 SW
CB #88	2' X 3'	336.46	331.07 SE	330.87 N
CB #89	2' X 3'	335.48		330.92 E
CB #90	2' X 3'	335.30	330.10 S 330.66 W	329.90 N
CB #91	2' X 3'	331.99	324.33 S	324.11 NE
CB #92	2' X 3'	328.81	321.39 SW	321.19 N
CB #93	2' X 3'	324.69		320.26 W
CB #94	2' X 3'	328.09	319.20 E 319.40 S	319.00 NW
CB #95	2' X 3'	330.04		325.00 W
CB #96	2' X 3'	330.04	324.74 E	324.44 NW
CB #97	2' X 3'	327.01	322.21 SE	322.00 N
CB #98	2' X 3'	326.75	321.62 S	320.90 W
CB #99	2' X 3'	324.51		320.07 N
CB #100	2' X 3'	324.51	318.74 E 318.74 S	318.54 N
CB #103	2' X 3'	334.63	315.94 W	315.74 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #104	2' X 3'	330.57		318.39 N
CB #104A	2' X 3'	332.94		317.17 N
CB #105	2' X 3'	329.86	317.07 S 314.77 W	314.57 NE
CB #105A	2' X 3'	332.42	315.32 SW 316.64 S	315.12 E
CB #106	2' X 3'	326.51	314.35 SW	314.15 E
CB #107	2' X 3'	326.24	315.84 SE 314.02 W	313.82 N
CB #108	2' X 3'	319.09		311.48 E
CB #109	2' X 3'	319.09	310.20 S 310.20 W	309.90 N
CB #110	2' X 3'	317.90		308.98 E
CB #111	2' X 3'	317.89	306.70 S 307.70 W	306.50 NW
CB #112	2' X 3'	318.82	304.43 SE 306.56 W	304.23 NW
CB #112A	2' X 3'	318.83		307.54 E
CB #113	2' X 3'	318.05		305.00 E
CB #114	2' X 3'	318.06	301.35 SE 303.65 W	301.15 E
CB #115	2' X 3'	302.62		298.18 NW
CB #116	2' X 3'	302.52	297.76 SE	297.56 NE
CB #117	2' X 3'	297.63	293.05 SW	292.66 N
CB #118	2' X 3'	294.67	289.77 S	289.57 N
CB #119	2' X 3'	294.33		289.89 W
CB #120	2' X 3'	294.33	289.36 S 289.65 E	289.16 N
CB #121	2' X 3'	298.05		294.42 W
CB #122	2' X 3'	298.02	294.16 E	293.88 S
CB #123	2' X 3'	294.66	287.88 S 287.88 N	287.68 W
CB #124	2' X 3'	314.95		310.51 E
CB #124A	2' X 3'	312.21		306.55 E
CB #125	2' X 3'	314.94	310.09 W	308.49 N
CB #125A	2' X 3'	311.33	302.70 S 305.00 W	302.50 N
CB #126	2' X 3'	309.28	293.40 S	290.91 N
CB #127	2' X 3'	295.49		291.05 E
CB #128	2' X 3'	295.49	290.80 W	290.60 N
CB #129	2' X 3'	292.10	287.39 S	286.85 N
CB #130	2' X 3'	284.80		280.43 E
CB #131	2' X 3'	284.80	279.62 S 280.17 W	279.13 N
CB #132	2' X 3'	272.24		268.26 E
CB #133	2' X 3'	272.24	268.00 S 268.00 W	267.80 N
CB #134	2' X 3'	270.77	266.50 S	266.30 NW
CB #135	2' X 3'	270.41	265.05 SE 265.05 W 265.05 S	264.45 NW
CB #136	2' X 3'	285.73		281.29 W
CB #137	2' X 3'	284.86	279.49 E	279.29 NW
CB #138	2' X 3'	276.23		271.79 W
CB #139	2' X 3'	275.92	270.35 SE 271.48 E	270.15 N
CB #140	2' X 3'	274.02		269.58 W
CB #141	2' X 3'	274.02	268.75 S 269.33 E	268.55 N
CB #142	2' X 3'	273.22	267.82 S	267.62 N
CB #143	2' X 3'	272.40		267.95 W
CB #144	2' X 3'	272.39	267.14 S 267.69 E	266.94 N
CB #145	2' X 3'	271.22	265.96 S	265.76 NE
CB #146	2' X 3'	270.41		265.70 N
CB #147	2' X 3'	270.80	265.55 SW	265.35 E
CB#92A	2' X 3'	326.99		322.16 N
CB#94A	2' X 3'	326.84	319.79 E 320.28 S	319.59 W

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #601	2' X 3'	327.51	317.68 S	317.48 N
YI #601	2' X 3'	308.41		303.42 SW
YI #602	2' X 3'	334.01	316.48 S	316.28 E
YI #602	2' X 3'	305.72		301.08 W
YI #603	2' X 3'	300.50	294.12 S	293.92 N
YI #605	2' X 3'	290.41		285.88 W
YI#604	2' X 3'	290.15		285.58 SW
YI#606	2' X 3'	292.98		288.41 SW

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #201	2' X 3'	299.48		294.73 N
DI #202	2' X 3'	289.00		284.44 N

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SDMH #501	4'	286.04	278.55 SE	278.35 NE
SDMH #502	4'	293.46	287.52 SE 287.52 SW	287.32 NW
SDMH #503	4'	283.84	279.48 E 279.48 N	279.28 S
SDMH #504	4'	275.65	271.36 NE	271.16 S
SDMH #505	4'	301.33	293.78 S	293.58 N
SDMH #505A	4'	289.57	280.74 E	280.54 SW
SDMH #507	4'	293.33	287.51 E	287.31 N
SDMH #508	4'	280.78	276.06 S	275.86 NE
SDMH #509	4'	267.23	261.38 SE	261.18 N

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #301	30"	280.87		278.00 SW
FES #302	18"	270.79		269.00 SE
FES #303	36"	290.42		287.00 SE
FES #304	18"	281.83		280.04 SE
FES #305	36"	282.42		279.00 N
FES #306	18"	272.20		270.40 E
FES #307	30"	273.87		271.00 N
FES #308	15"	267.52		266.00 NE
FES #309	36"	304.42		301.00 W
FES #310	18"	293.94		292.15 SW
FES #311	24"	286.33		284.00 S
FES #312	18"	280.90		279.11 SE
FES #313	18"	276.79		275.00 SW
FES #314	18"	269.98		268.19 SE
FES #315	30"	263.88		261.00 S
FES #316	15"	252.79		251.27 S

OCS TABLE				
OCS NO	SIZE	TOP	INV. IN	INV. OUT
OCS #401	2' X 3'	278.00		274.00 NW
OCS #402	2' X 3'	287.00		283.00 NW
OCS #403	2' X 3'	279.00		275.00 W
OCS #404	2' X 3'	271.00		267.00 SW
OCS #405	2' X 3'	300.00		297.00 NE
OCS #406	2' X 3'	284.00		280.00 NW
OCS #407	2' X 3'	274.97		271.00 NW
OCS #408	2' X 3'	262.00		255.17 N

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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305 CHURCH AT NORTH HILLS STREET,

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

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

STORM DRAINAGE TABLES

DRAWING SHEET

C-8.8

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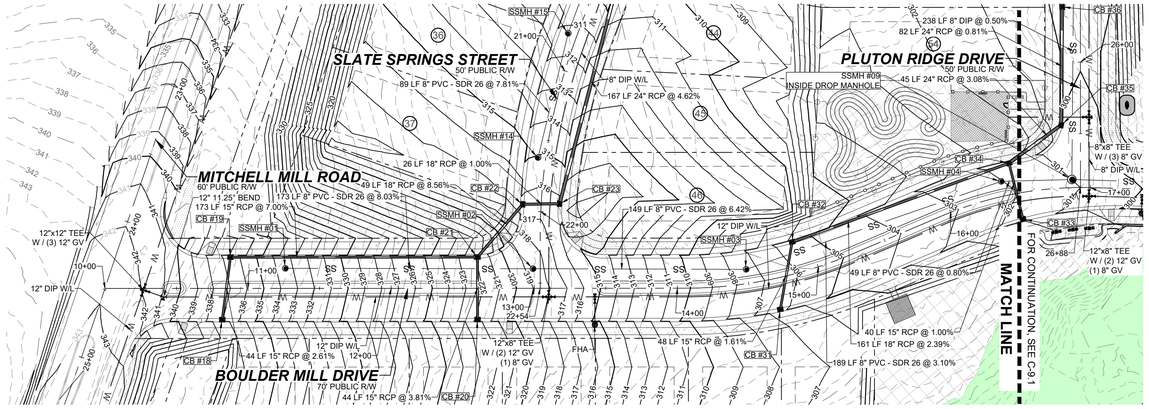


PROPOSED BOULDER MILL DRIVE - PLAN

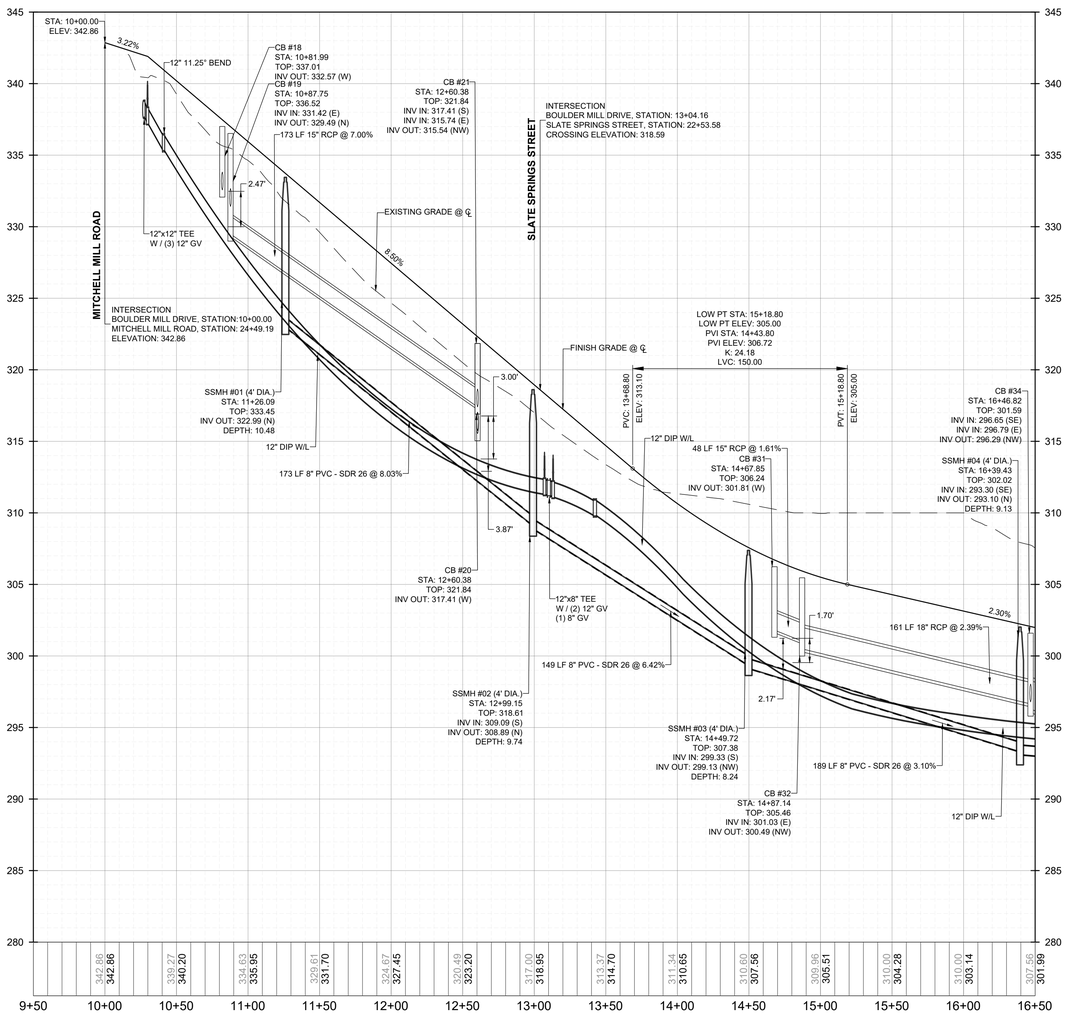
HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.



PROPOSED BOULDER MILL DRIVE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

No.	REVISIONS	DATE	BY

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HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE

DRAWING / SHEET

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46 OF 88

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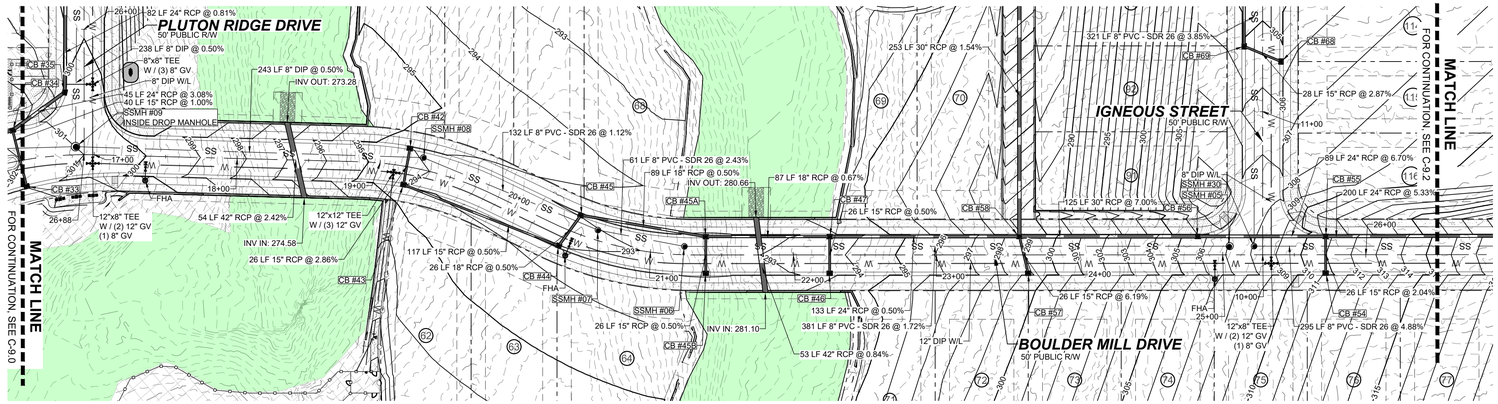

PROPOSED BOULDER MILL DRIVE - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

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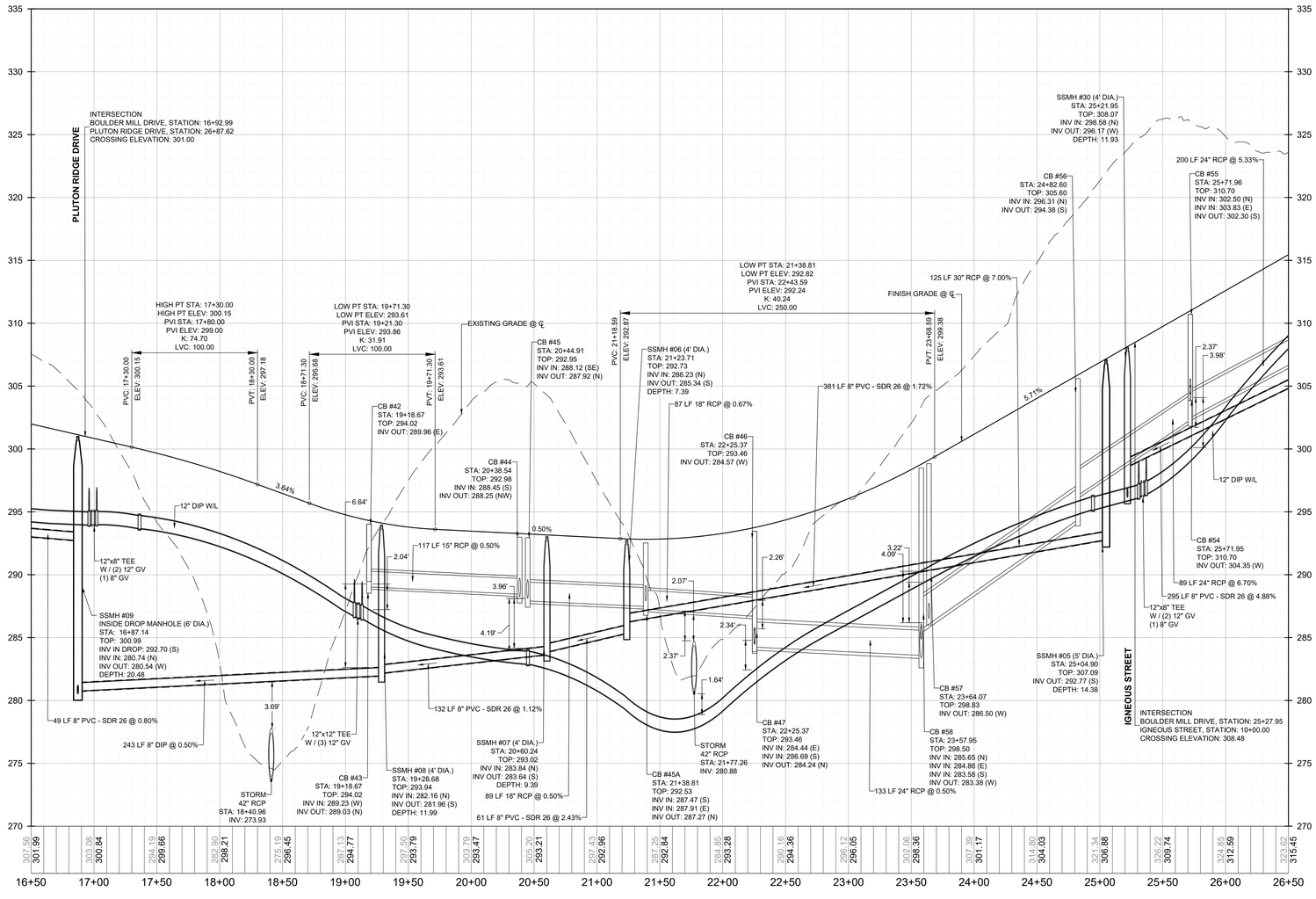
(IN FEET)
1 inch = 50 ft.



PROPOSED BOULDER MILL DRIVE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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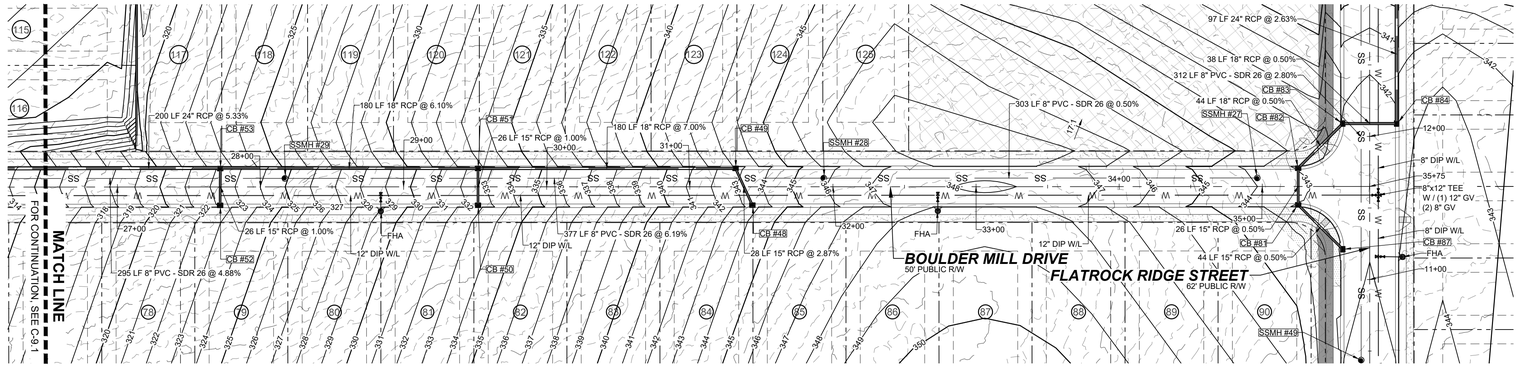
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE

DRAWING / SHEET
C-9.1



PROPOSED BOULDER MILL DRIVE - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

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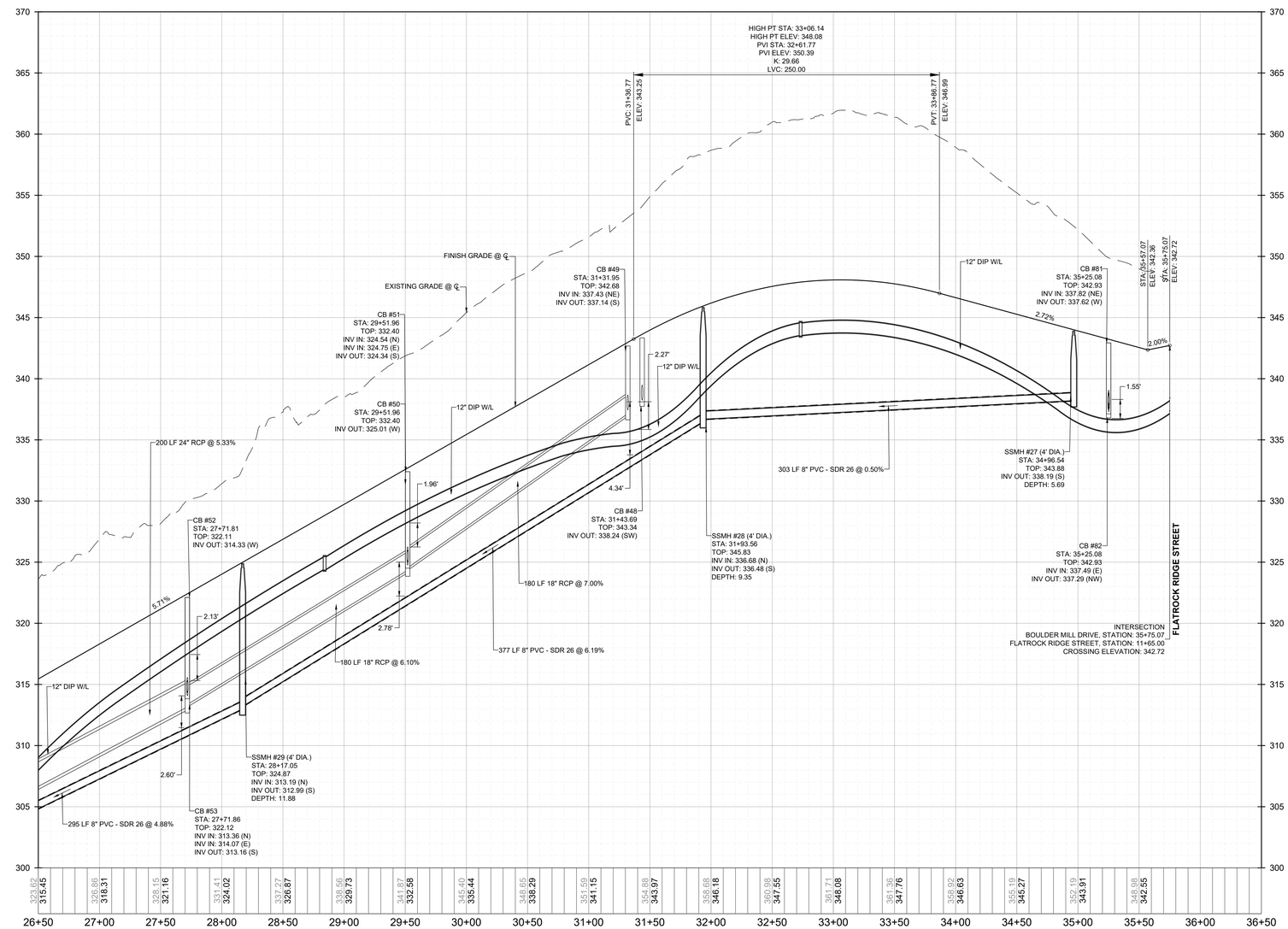
(IN FEET)
1 inch = 50 ft.



PROPOSED BOULDER MILL DRIVE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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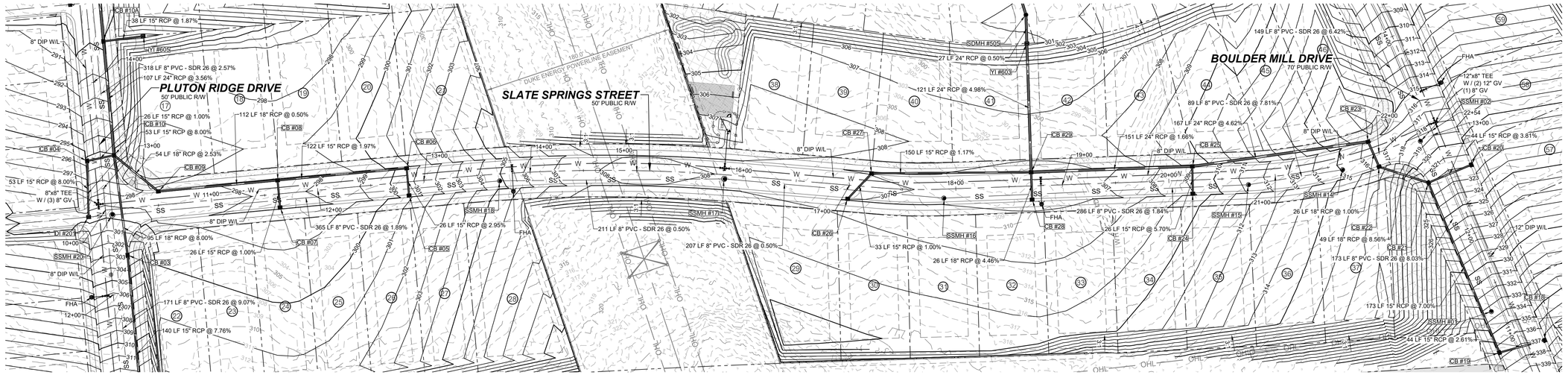
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE

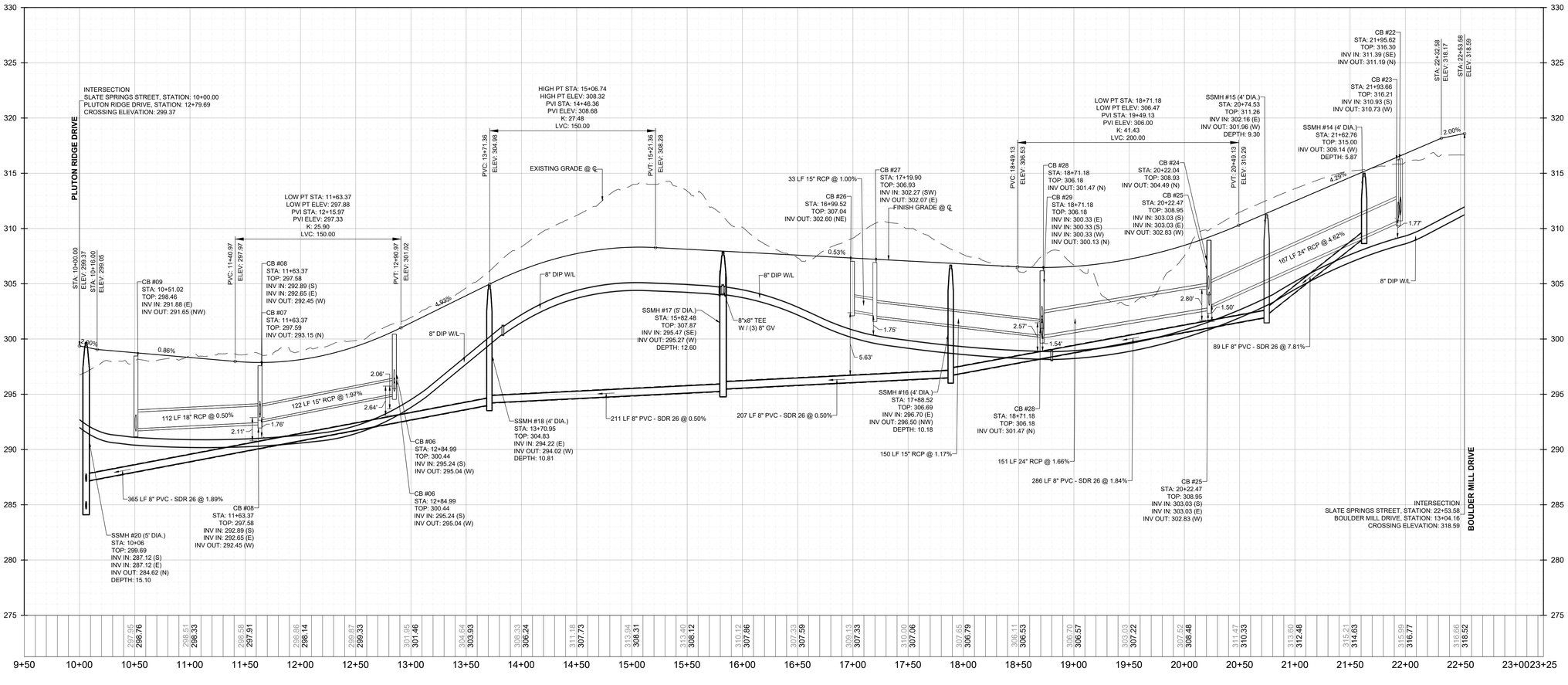
DRAWING SHEET

C-9.2



PROPOSED SLATE SPRINGS STREET - PLAN
HORIZONTAL: 1" = 50'

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



PROPOSED SLATE SPRINGS STREET - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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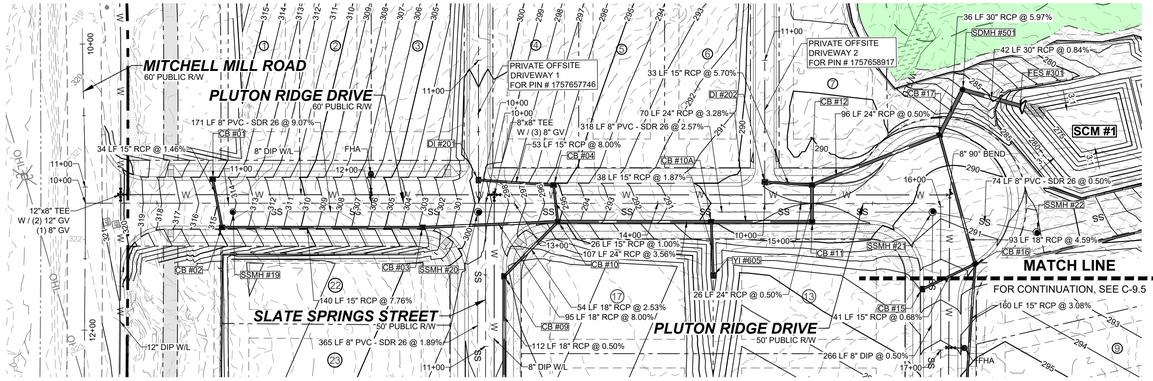
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED SLATE SPRINGS STREET - PLAN & PROFILE

DRAWING SHEET
C-9.3

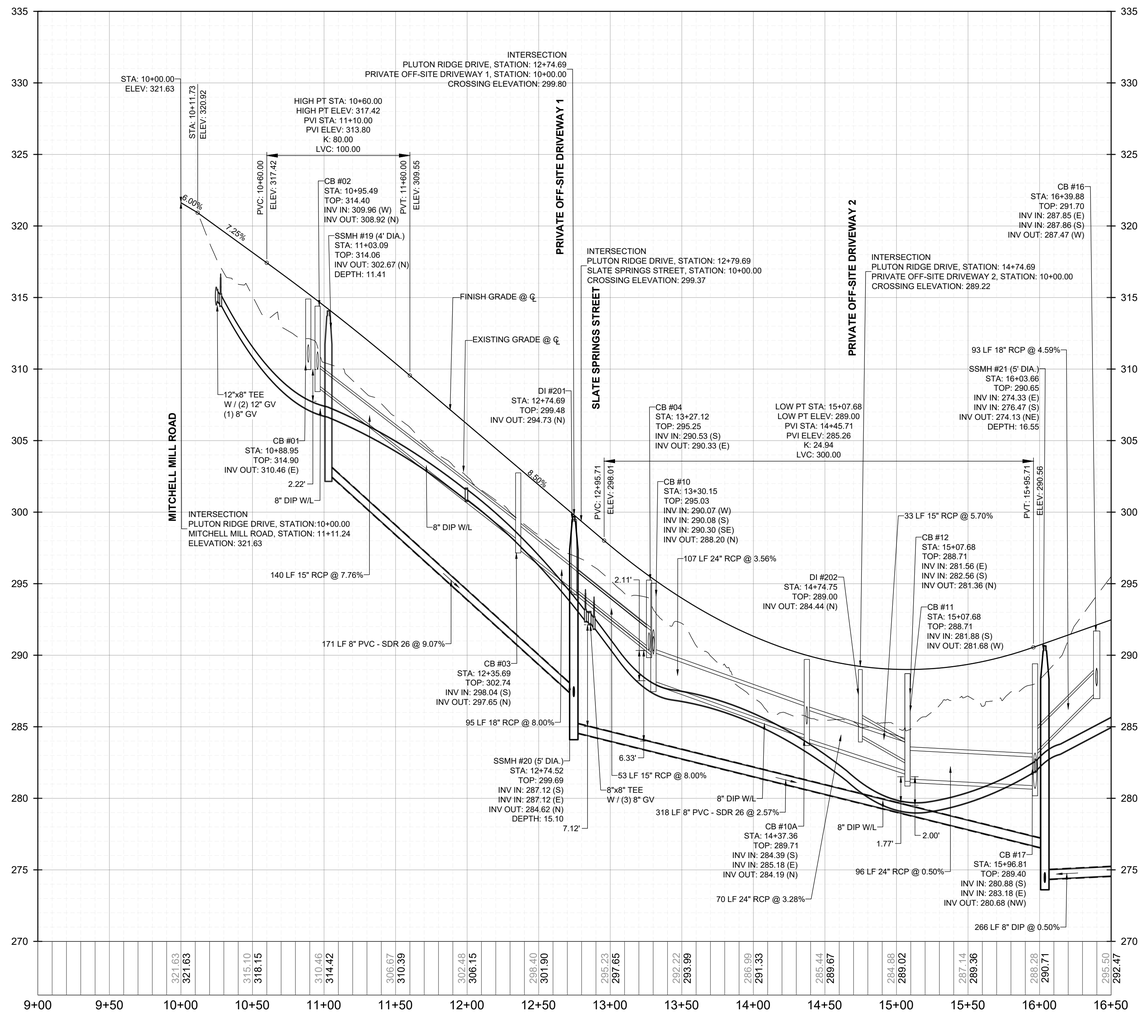


PROPOSED PLUTON RIDGE DRIVE - PLAN
HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED PLUTON RIDGE DRIVE - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

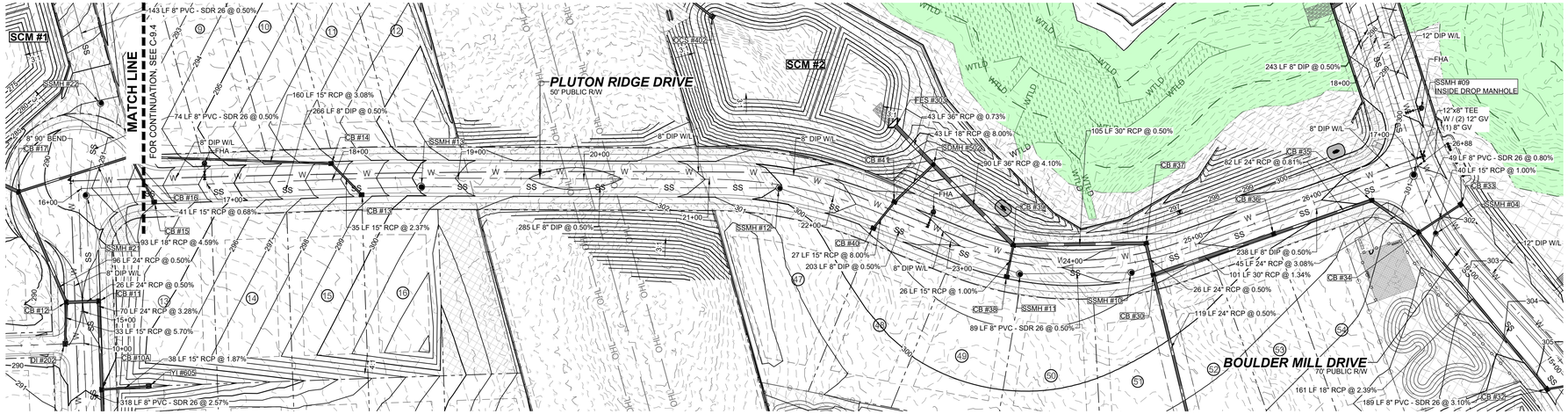
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

PROPOSED PLUTON RIDGE DRIVE - PLAN & PROFILE

DRAWING SHEET
C-9.4



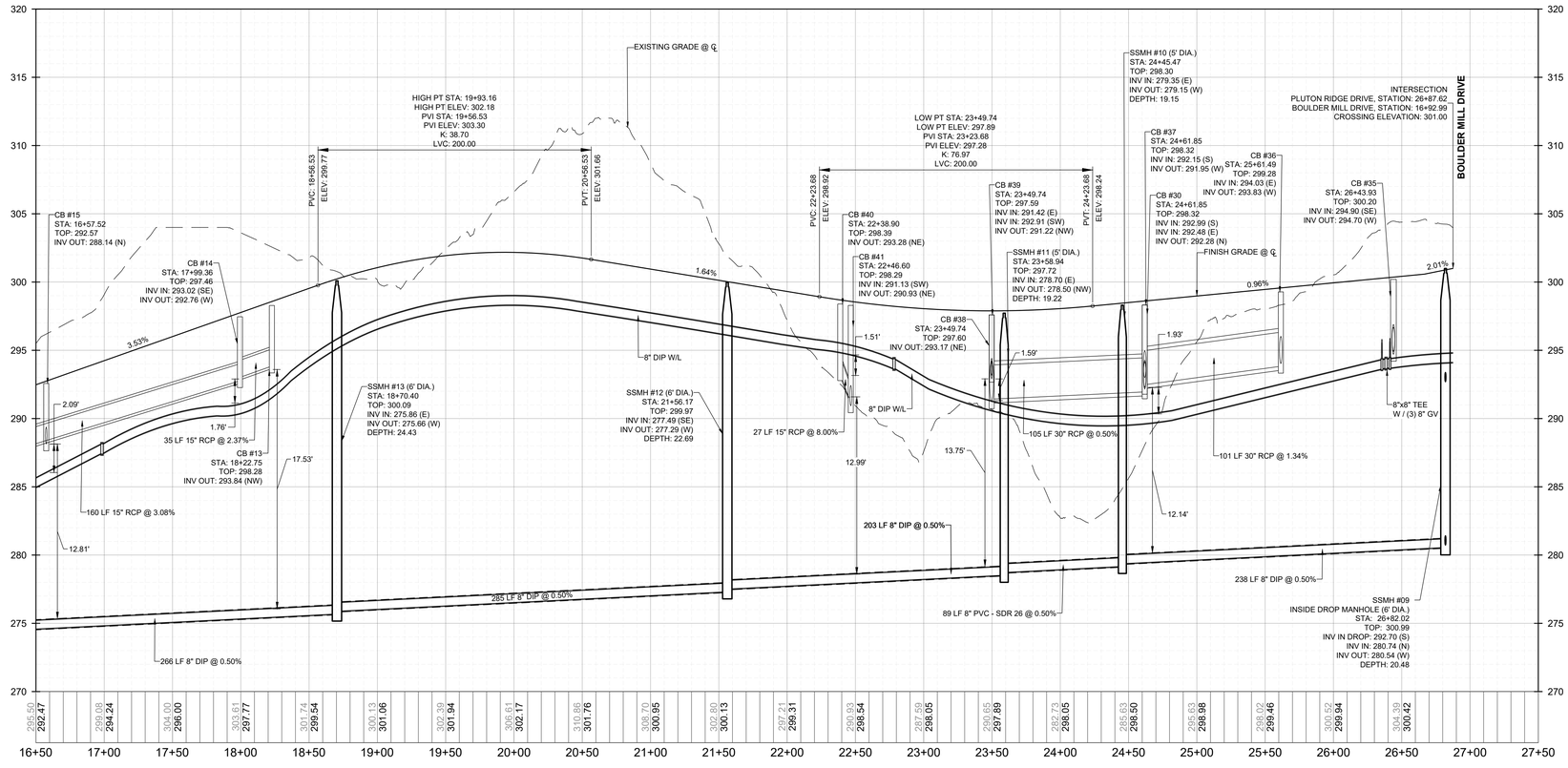
PROPOSED PLUTON RIDGE DRIVE - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED PLUTON RIDGE DRIVE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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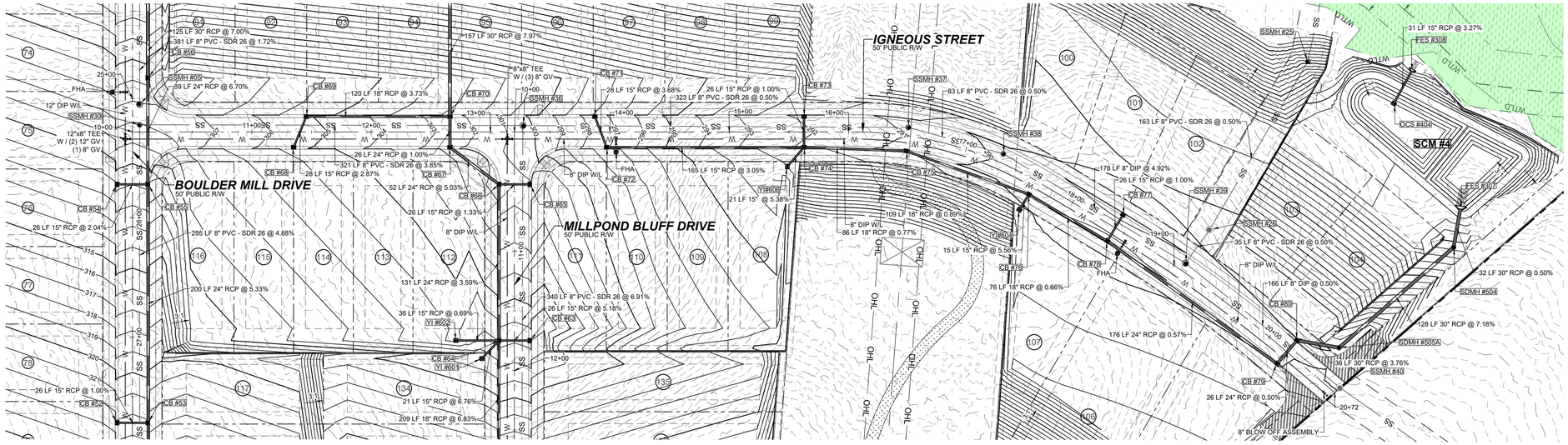
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION		
	SCALE	AS SHOWN	
	DESIGNED BY	JWL	
	DRAWN BY	SRG	
	CHECKED BY	JWL	

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

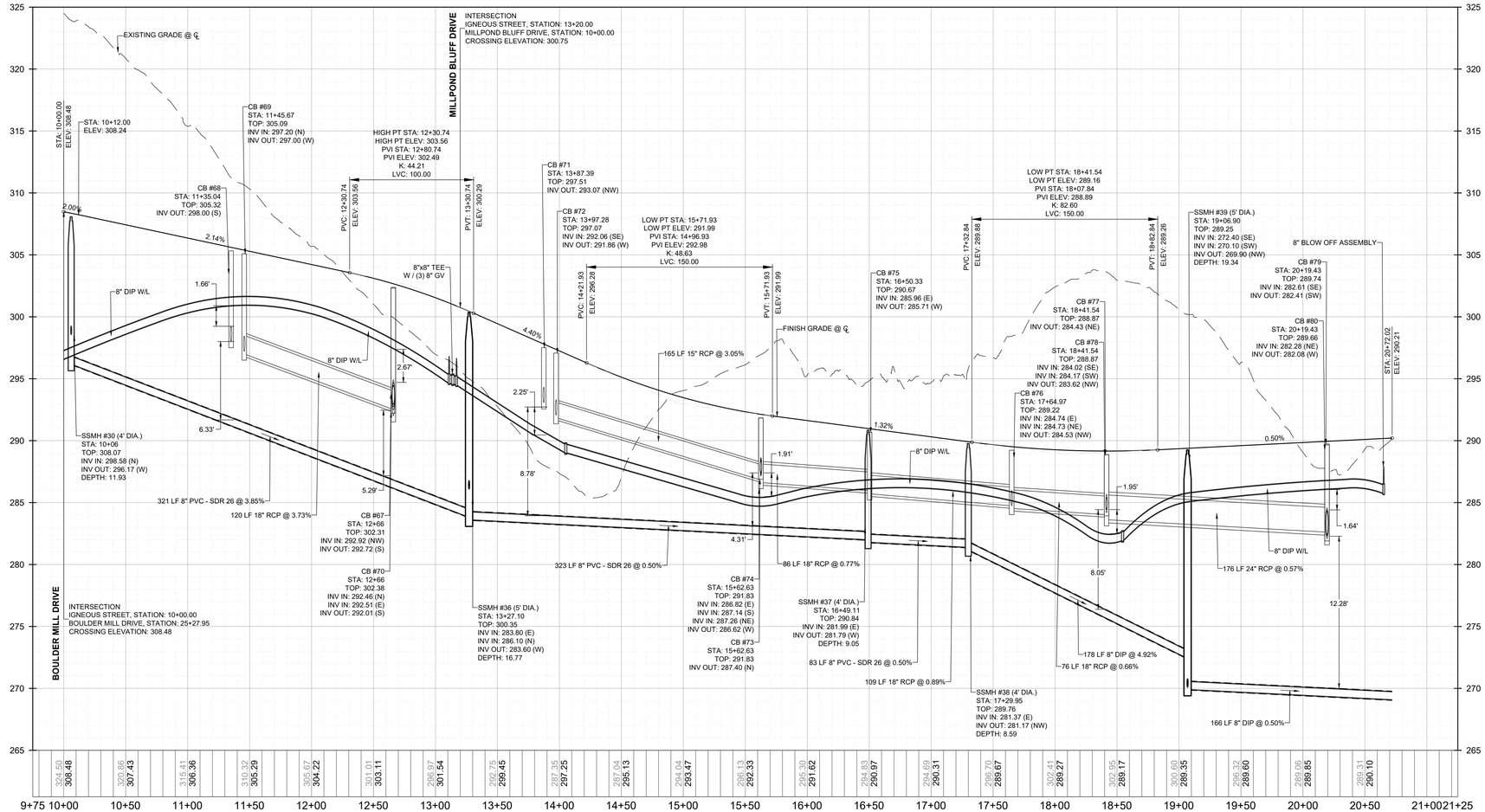
PROPOSED PLUTON RIDGE DRIVE - PLAN & PROFILE

DRAWING SHEET
C-9.5

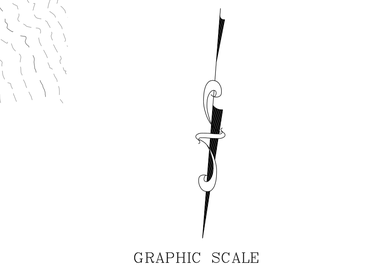
51 OF 88



PROPOSED IGNEOUS STREET - PLAN
HORIZONTAL: 1" = 50'



PROPOSED IGNEOUS STREET - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



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STRONG ROCK PROJECT	
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SCALE	AS SHOWN
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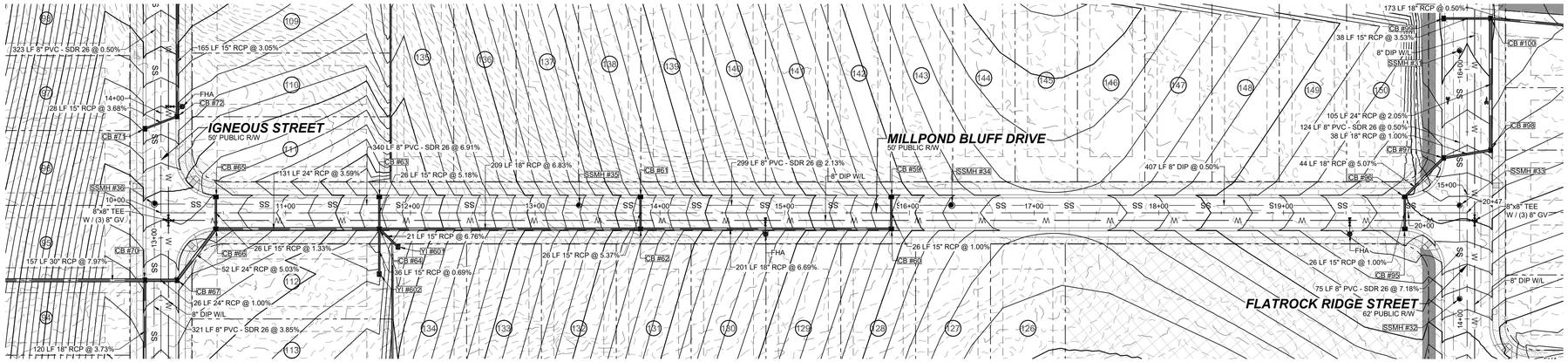
DRAWN BY	SRG
CHECKED BY	JWL

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED IGNEOUS STREET PLAN & PROFILE

DRAWING SHEET
C-9.6



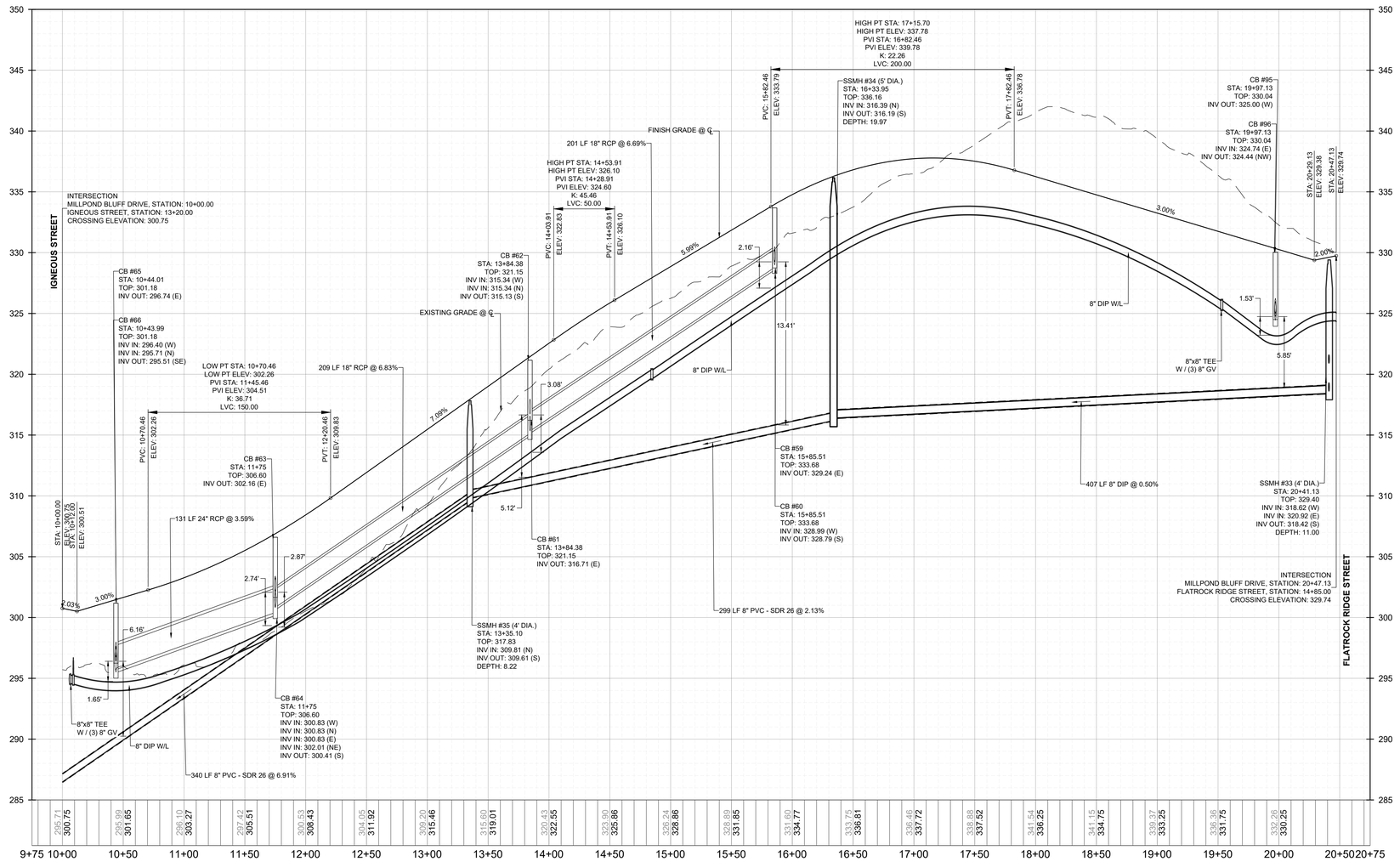
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

PROPOSED MILLPOND BLUFF DRIVE - PLAN

HORIZONTAL: 1" = 50'



PROPOSED MILLPOND BLUFF DRIVE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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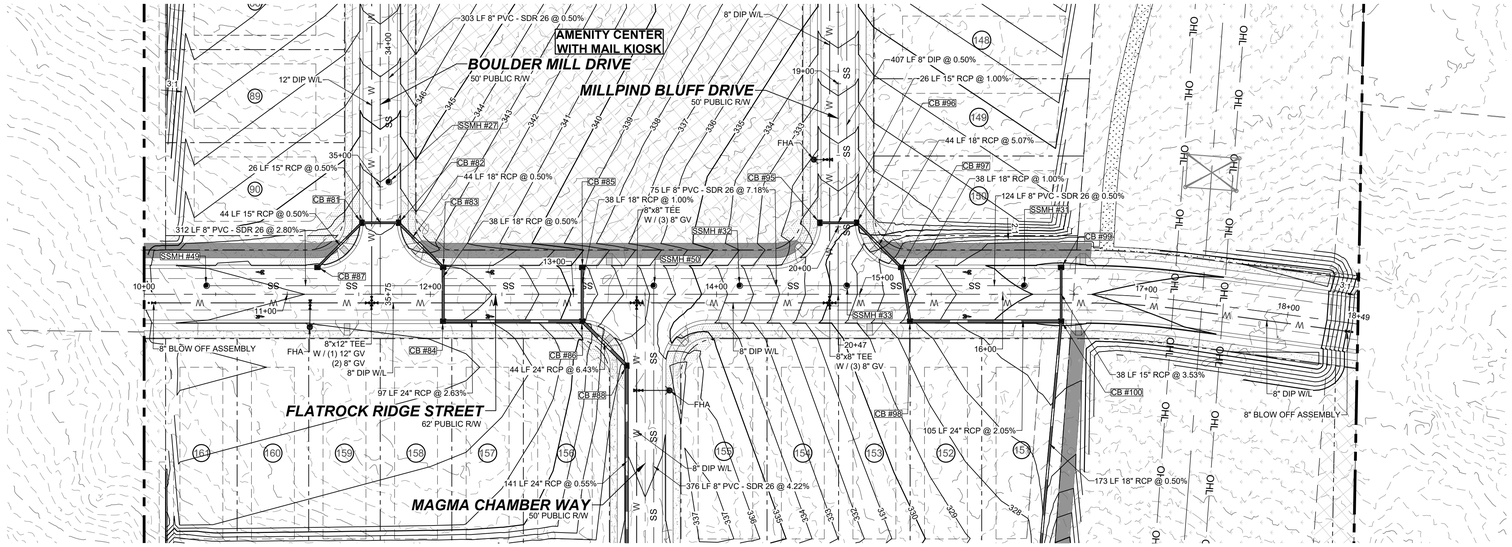
	SCALE	AS SHOWN	
	DESIGNED BY	JWL	
	DRAWN BY	SRG	
	CHECKED BY	JWL	

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

PROPOSED MILLPOND BLUFF DRIVE - PLAN & PROFILE

DRAWING SHEET

C-9.7



PROPOSED FLATROCK RIDGE STREET - PLAN
HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

PROPOSED FLATROCK RIDGE STREET - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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STRONG ROCK PROJECT	
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SCALE	AS SHOWN
DESIGNED BY	JWL
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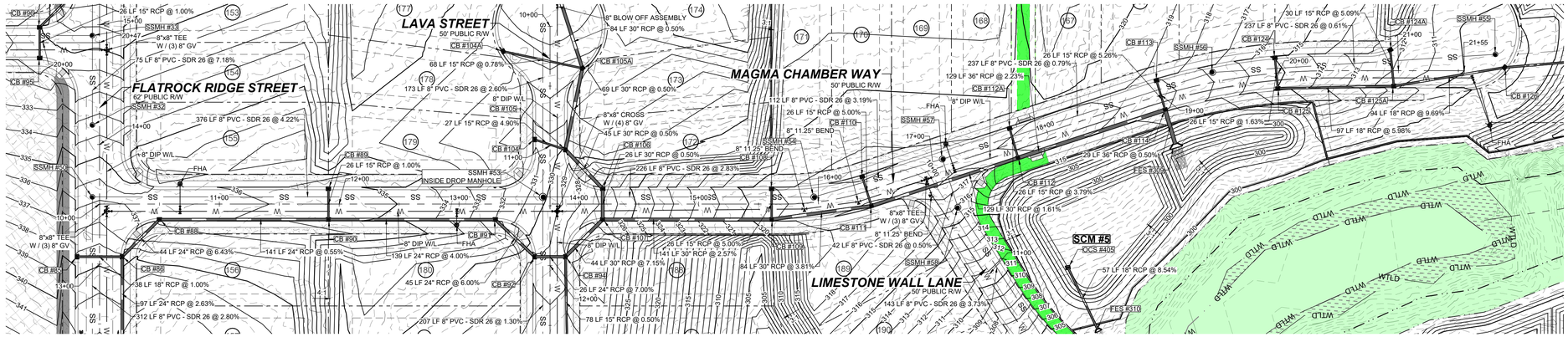
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED FLATROCK RIDGE STREET PLAN & PROFILE

DRAWING / SHEET
C-9.8



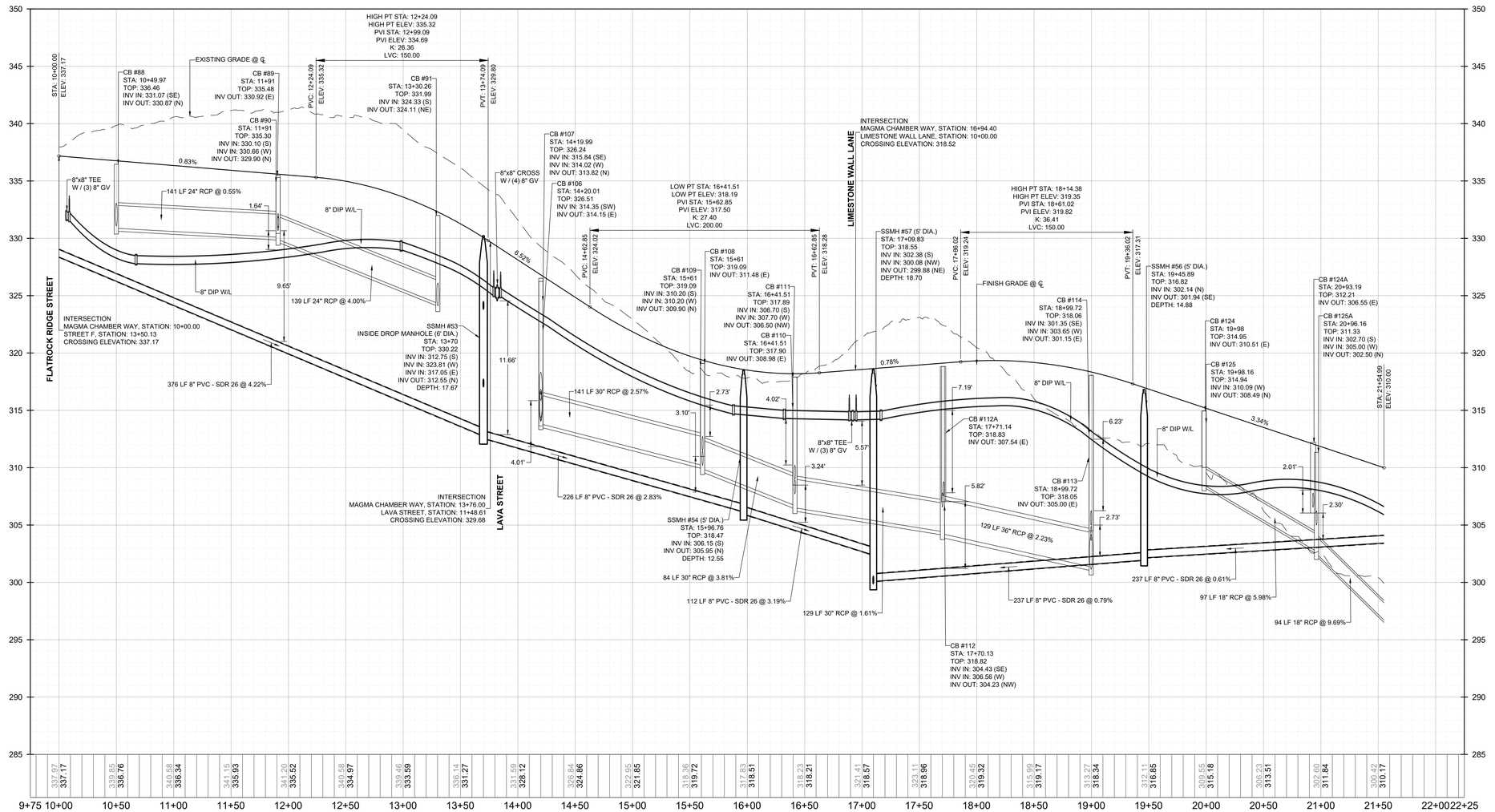
PROPOSED MAGMA CHAMBER WAY - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED MAGMA CHAMBER WAY - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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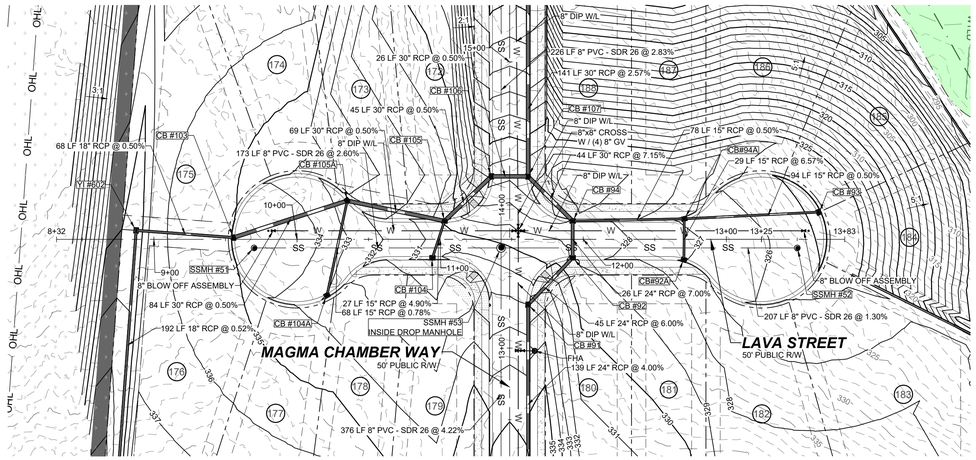
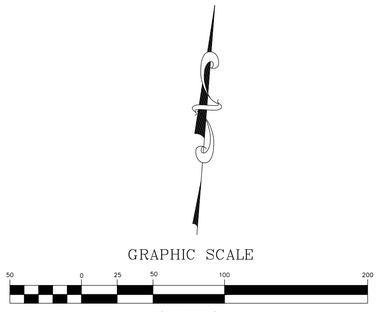
STRONG ROCK PROJECT			
	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

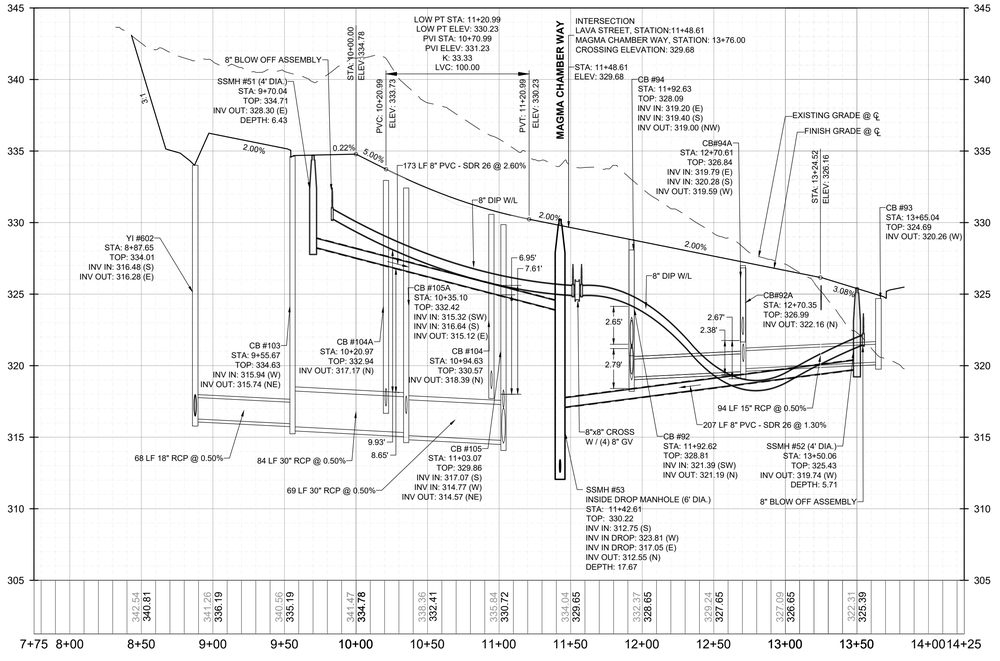
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED MAGMA CHAMBER WAY - PLAN & PROFILE

DRAWING SHEET
C-9.9



PROPOSED LAVA STREET - PLAN
HORIZONTAL: 1" = 50'





PROPOSED LAVA STREET - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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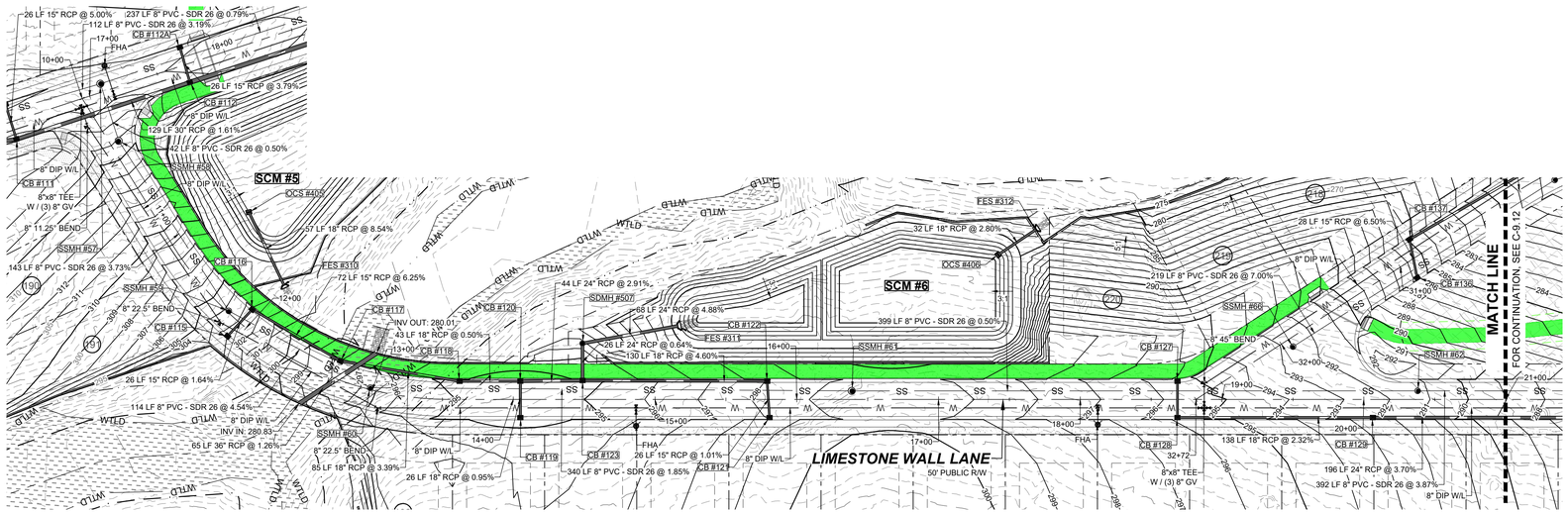
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION		
SCALE	AS SHOWN	DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED LAVA STREET - PLAN & PROFILE

DRAWING SHEET
C-9.10



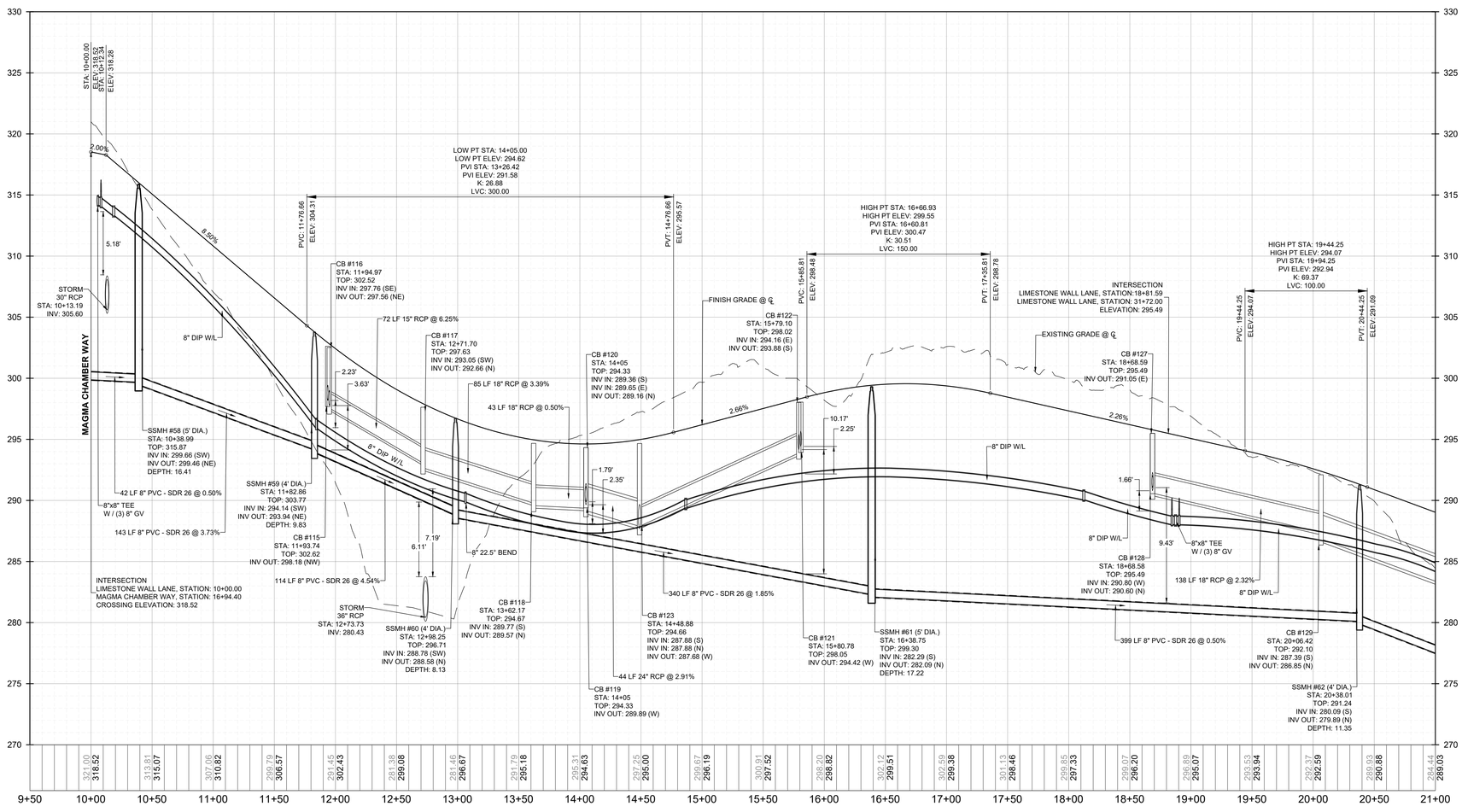
PROPOSED LIMESTONE WALL LANE - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED LIMESTONE WALL LANE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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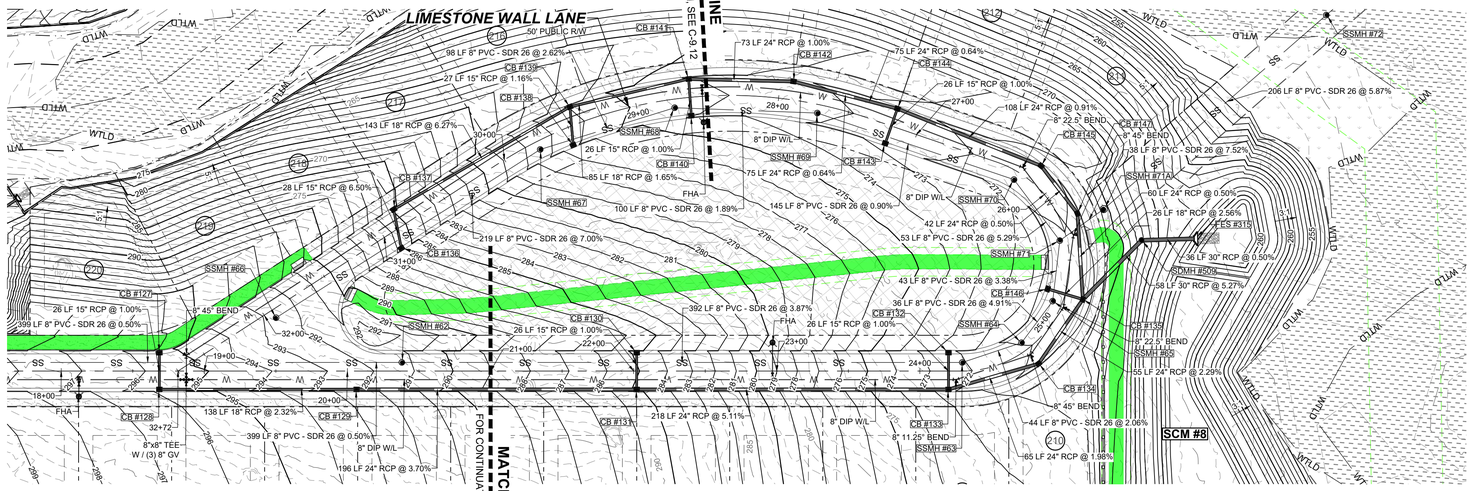
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

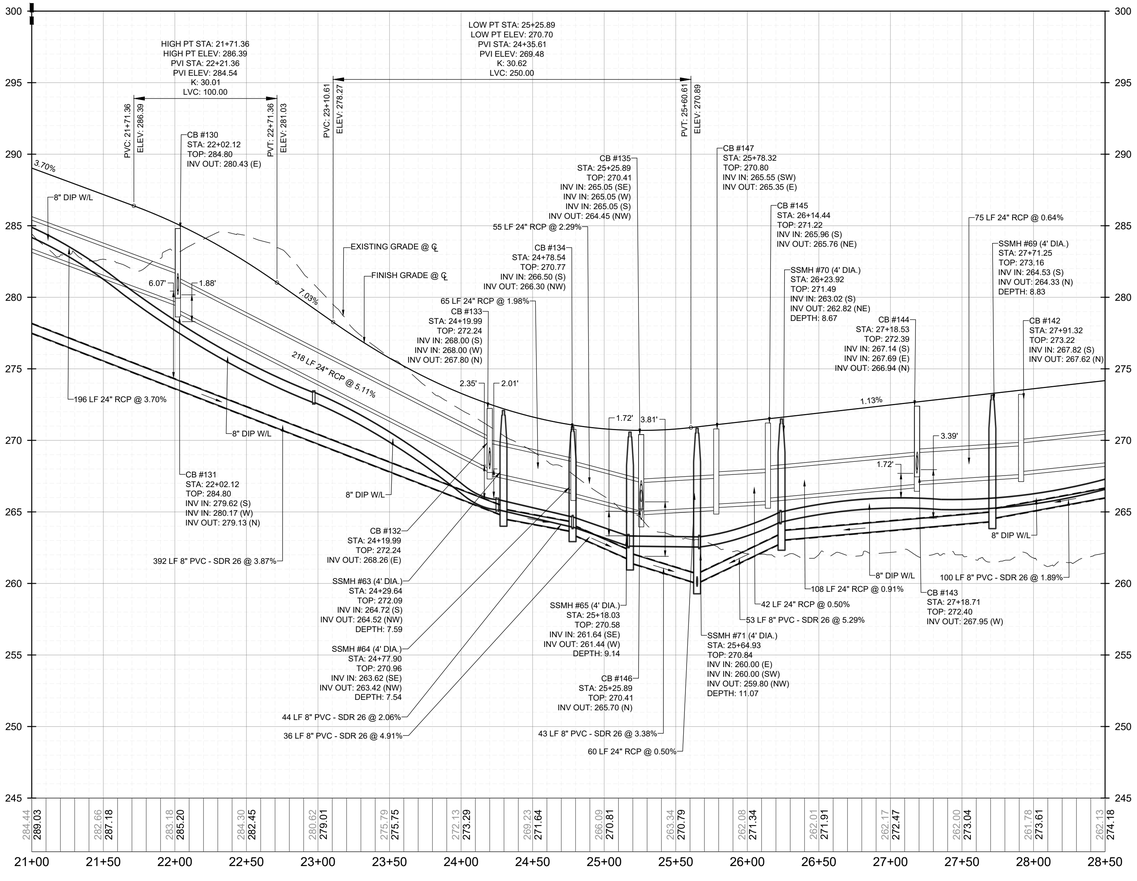
HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE

DRAWING SHEET
C-9.11



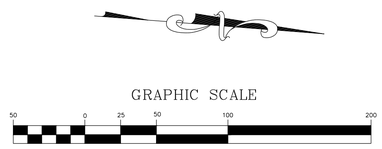
PROPOSED LIMESTONE WALL LANE - PLAN

HORIZONTAL: 1" = 50'



PROPOSED LIMESTONE WALL LANE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



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

HILLS AT HARRIS CREEK
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE

DRAWING SHEET
C-9.12

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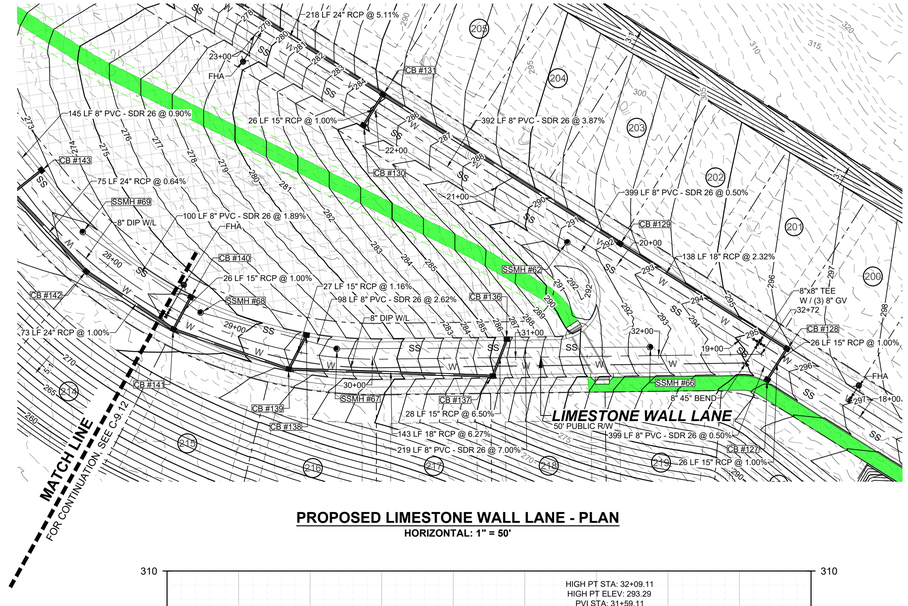
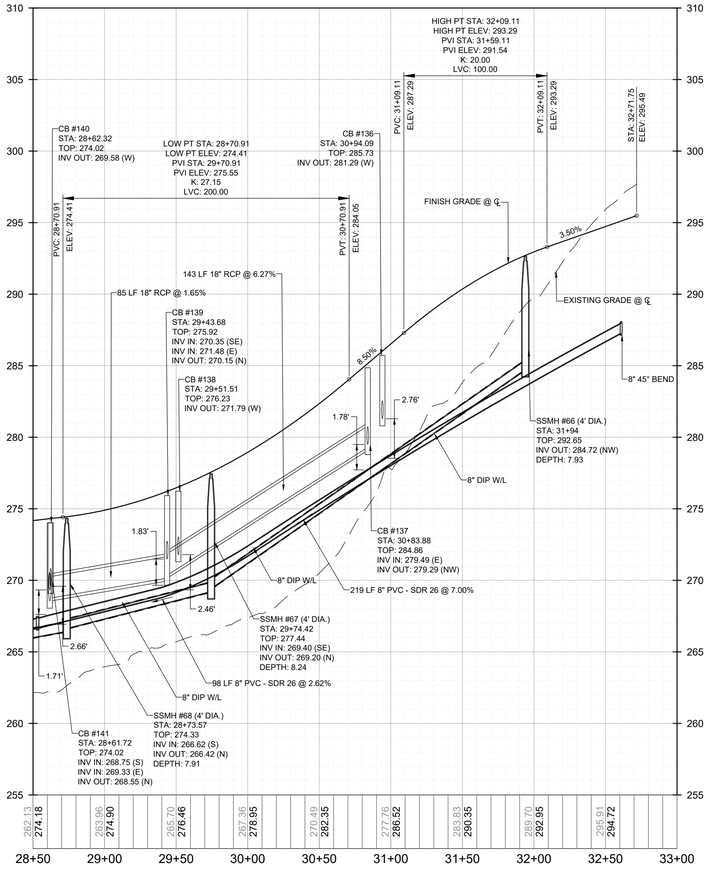


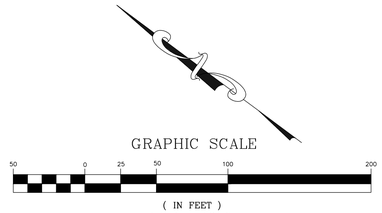
PROPOSED LIMESTONE WALL LANE - PLAN

HORIZONTAL: 1" = 50'



PROPOSED LIMESTONE WALL LANE - PROFILE

VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



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

PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE

DRAWING / SHEET
C-9.13

59 OF 88

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