RESERVE @ MITCHELL MILL

V1 - PSP-23-03

PRELIMINARY SUBDIVISION PLAT SPS 23-02

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

SITE INFORMATION:

LOCATION:	5019 MITCHELL MILL ROAD
COUNTY:	WAKE COUNTY
PARENT PIN:	1757571035 & 1757571035
DB/PG:	DB 8659, PG 954
ZONING:	R-15
ACREAGE:	6,140,471 SF (141.23 AC)
COMMERCIAL TRACTS:	355,667 SF (8.18 AC)
RESIDENTIAL SUBDIVISION:	5,784,804 SF (133.05 AC)
LAND CLASS:	RESIDENTIAL

MINIMUM BUILDING SETBACKS:

FRONT YARD:	20'
SIDE YARD:	5'
REAR YARD:	10'
CORNER YARD:	20'

RIGHT OF WAY & OTHER AREAS:

NATURAL WETLANDS:	1,215,431 SF (27.90 AC)

LOT ACREAGE:

NC ZONING DISTRICT

	DSF:	TOWNHOME:
TOTAL NUMBER PROPOSED LOTS:	75 LOTS	116 LOTS
MINIMUM PROPOSED LOT SIZE:	5000 SF	1800 SF
MAXIMUM PROPOSED LOT SIZE:	7165 SF	1800 SF

RM ZONE

	DSF:
TOTAL NUMBER PROPOSED LOTS:	191 LOTS
MINIMUM PROPOSED LOT SIZE:	5000 SF
MAXIMUM PROPOSED LOT SIZE:	10593 SF

OPEN SPACE BREAKDOWN:

PROPERTY BOUNDARY:	6,140,471 SF (141.23 AC)

NC ZONING DISTRICT:

PROVIDED OPEN SPACE:	862,844 SF (19.85 AC)
- COMMON OPEN SPACE:	482,722 SF (11.10 AC)
- PROVIDED ACTIVE OPEN SPACES:	103,693 SF (2.38 AC)
+ PARK:	64,888 SF (1.49 AC)
+ GREENWAY:	38,805 SF (0.89 AC)
- PRESERVED OPEN SPACE:	276,379 SF (6.36 AC)

RM ZONE

PROVIDED OPEN SPACE:	2,028,743 SF (46.66 AC)
- COMMON OPEN SPACE:	710,491 SF (16.34 AC)
- PROVIDED ACTIVE OPEN SPACES:	244,767 SF (5.63 AC)
+ PARK:	76,859 SF (1.77 AC)
+ CLUB HOUSE:	74,195 SF (1.71 AC)
+ COMMUNITY GARDEN:	69,181 SF (1.59 AC)
+ GREENWAY:	24,531 SF (0.56 AC)
- PRESERVED OPEN SPACE:	1,073,485 SF (24.69 AC)

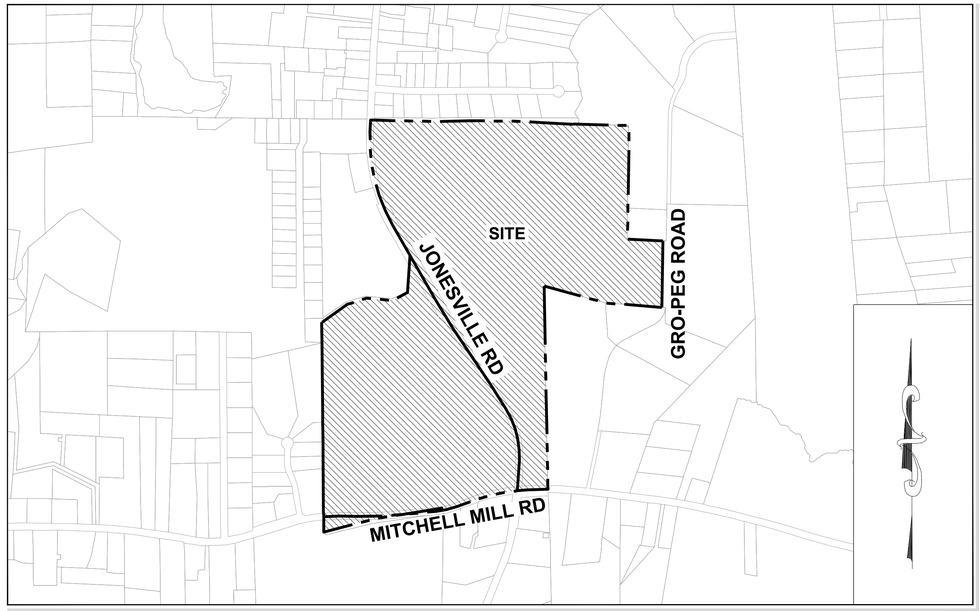
IMPERVIOUS AREAS:

NC ZONING DISTRICT:

ROADWAYS / PARKING:	296,969 SF (6.83 AC)
SIDEWALKS:	71,023 SF (1.63 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	367,992 SF (8.46 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	5.99%

RM ZONE

ROADWAYS / PARKING:	298,352 SF (6.86 AC)
SIDEWALKS:	114,521 SF (2.63 AC)
TOTAL ON-SITE IMPERVIOUS AREA:	412,873 SF (9.50 AC)
TOTAL ON-SITE IMPERVIOUS PERCENT:	6.7%



VICINITY MAP

1" = 600'

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

COVER SHEET

DRAWING SHEET

C-1.0

GENERAL CONSTRUCTION NOTES:

1. SEE GENERAL NOTES ON SHEET C-5.0.
2. WITHIN ALL NOTES, THE TERM CONTRACTOR WILL MEAN THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS OR VENDORS PERFORMING WORK ON THE PROJECT.
3. ANY CONTRACTOR SUBMITTING A BID FOR THIS PROJECT SHALL MAKE A SITE VISIT PRIOR TO SUBMITTING BID.
4. BOUNDARY DATA PERFORMED BY 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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SRG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

CIVIL NOTES

DRAWING SHEET
C-2.0

02 OF 35

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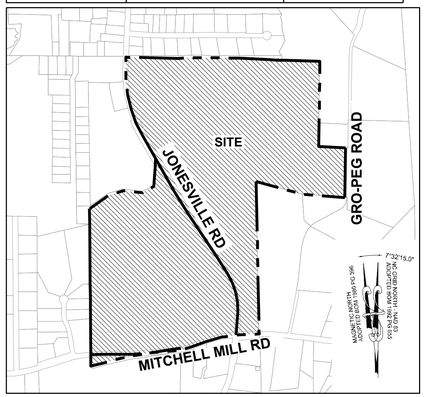
PROGRESS PLOT DATE: 08/01/2023

PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.73'	177.68'	N 84°38'46" W
C2	1293.60'	5.35'	5.35'	N 86°58'07" W
C3	1293.60'	337.11'	336.16'	S 85°26'50" W
C4	713.00'	127.72'	127.55'	S 83°06'48" W
C5	713.00'	48.21'	48.20'	N 89°49'04" W
C6	3289.02'	363.69'	363.50'	N 84°42'47" W
C7	1415.00'	134.86'	134.81'	N 84°16'32" W
C8	4219.80'	259.16'	259.12'	N 11°21'15" E
C9	760.57'	442.47'	436.25'	N 07°04'17" W
C10	5980.51'	249.26'	249.25'	N 24°55'52" W
C11	4196.85'	289.52'	289.47'	N 24°08'56" W
C12	1444.00'	809.14'	798.60'	N 06°07'11" W

PARCEL LINE TABLE		
COURSE	BEARING	DISTANCE
L1	S 81°44'51" E	203.47'
L2	N 25°12'36" E	0.99'
L13	N 07°04'28" E	19.71'
L14	N 07°09'19" E	160.38'
L15	S 81°18'24" E	4.60'
L16	N 79°20'16" E	165.95'
L17	N 69°21'06" E	141.50'
L18	N 86°51'01" W	73.68'
L19	S 77°58'54" W	193.04'
L20	N 87°52'51" W	288.79'
L21	N 87°52'51" W	8.74'
L22	N 81°32'43" W	147.86'
L23	N 09°55'59" E	101.17'

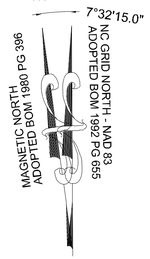
LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 5' CONTOUR
- 1' CONTOUR
- EXISTING STREAM
- EXISTING BUFFER
- EXISTING TREE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK



VICINITY MAP

1" = 800'



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421

ABRAHAM T. BURNHAM AND KYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734

ROZELIA J. HARTSFIELD HEIRS PIN: 1757481740 BY WILL

UNIVERSAL CHURCH OF PRAYER PIN: 1757388408 NO DEED FOUND INCORRECT REFERENCE SHOWN ON WAKE COUNTY GIS

HENRY ALSTON AND WIFE, MARIE J. ALSTON PIN: 1757481376 DB 3198 PG 631 BM 1982 PG 721

PING CHEN PIN: 1757471559 DB 18953 PG 592 NEW LOT 1 - BM 2007 PG 1224

JERRI JO MASSEY & TAMMY G. BUTLER DB 8265 PG 202

MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

MARCIE L. HOLDEN DEED BOOK 15599 PAGE 1003

BERNARD MILLER DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF DEED BOOK 9236 PAGE 2229

HEATHER MARIE PERRY PIN: 1757357582 DB 18954 PG 338 LOT 1 & 2 - BM 1990 PG 956

PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868

CHRIST HOLINESS CHURCH #1 DB 4321 PG 788

CHRIST HOLINESS CHURCH #1 DB 9467 PG 430

ALICIA BROWN & CARL T. JONES DB 16128 PG 183

RS RENTAL II LLC DB 18703 PG 2414

KAREN E. BASS DB 12560 PG 1626

JAMES K. WILLIAMS DB 16784 PG 1013

GRO PEG PROPERTIES LLC DB 18359 PG 1707

CHRIST HOLINESS CHURCH #1 DB 2928 PG 328

ALESHIA FERRELL & ARRON WALKER DB 6374 PG 89

N/F JAMES ROBERT FOWLER. III PIN: 1757571035 DB 8659, PG 954

GRO PEG PROPERTIES LLC DB 18359 PG 1707

N/F JAMES ROBERT FOWLER. III PIN: 1757571035 DB 8659, PG 954

SCOTT & THERESA CARLE DB 14863 PG 2493

DEED BOOK 10124 PAGE 2778 MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC

GROVER ARCHIE UNDERHILL JR. BOOK OF MAPS 1982 PAGE 581

JAMES ROBERT FOWLER, III PIN: 1757571035 DB 8659 PG 954

JAMES ROBERT FOWLER, III PIN: 1757571035 DB 8659 PG 954

MOUNT CALVARY HOLINESS CHURCH OF WAKE COUNTY, INC. PIN: 1757660324 DB 10124 PG 2778 LOT 1 - BM 2002 PG 991

G.ARCHIE UNDERHILL, JR. AND WIFE, TERESSA C. UNDERHILL PIN: 1757653765 DB 8443 PG 2129 BM 1999 PG 1357

EXISTING 180' CP&L POWER EASEMENT BM 1990 PG 511

GENADIUS MAC PREDDY AND WIFE, MATTIE F. PREDDY PIN 1757656586 DB 1882 PG 342

PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT PIN: 1757540996 DB 10488 PG 1888 LOT 1 - BM 2018 PG 1333

CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON PIN: 1757556361 DB 17855 PG 457 LOT 4 - BM 2018 PG 1333

BETHESDA ASSOCIATION, L.L.C. PIN: 1757738451 TRACT 2 - DB 18933 PG 2094

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

JONESVILLE RD. 60' PUBLIC R/W

MITCHELL MILL RD. 60' PUBLIC R/W

PEEBLES RD. 60' PUBLIC R/W

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

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

0.2% ANNUAL CHANCE FLOOD HAZARD FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022

EXISTING 30 TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655

SSMH RIM ELEV. = 238.66' INV. OUT = 222.87'

SSMH RIM ELEV. = 238.84' INV. IN = 222.34' INV. OUT = 222.22'

SSMH RIM ELEV. = 239.09' INV. IN = 221.51'

WATERLINE EASEMENT BM 1998 PG 1340

25.0' TREE & VEGETATION PROTECTION ZONE BM 2018 PG 1333

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

EXISTING CONDITIONS PLAN

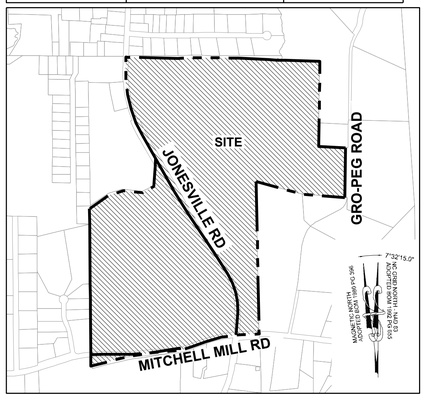
DRAWING SHEET

C-3.0

03 OF 35

PARCEL CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING
C1	2310.00'	177.73'	177.68'	N 84°38'46" W
C2	1293.60'	5.35'	5.35'	N 86°58'07" W
C3	1293.60'	337.11'	336.16'	S 85°26'50" W
C4	713.00'	127.72'	127.55'	S 83°06'48" W
C5	713.00'	48.21'	48.20'	N 89°49'04" W
C6	3289.02'	363.69'	363.50'	N 84°42'47" W
C7	1415.00'	134.86'	134.81'	N 84°16'32" W
C8	4219.80'	259.16'	259.12'	N 11°21'15" E
C9	760.57'	442.47'	436.25'	N 07°04'17" W
C10	5980.51'	249.26'	249.25'	N 24°55'52" W
C11	4196.85'	289.52'	289.47'	N 24°08'56" W
C12	1444.00'	809.14'	798.60'	N 06°07'11" W

PARCEL LINE TABLE		
COURSE	BEARING	DISTANCE
L1	S 81°44'51" E	203.47'
L2	N 25°12'36" E	0.99'
L13	N 07°04'28" E	19.71'
L14	N 07°09'19" E	160.38'
L15	S 81°18'24" E	4.60'
L16	N 79°20'16" E	165.95'
L17	N 69°21'06" E	141.50'
L18	N 86°51'01" W	73.68'
L19	S 77°58'54" W	193.04'
L20	N 87°52'51" W	288.79'
L21	N 87°52'51" W	8.74'
L22	N 81°32'43" W	147.86'
L23	N 09°55'59" E	101.17'



VICINITY MAP

1" = 800'

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

LEGEND:

- MASTER PLAN BOUNDARY
- EXISTING ADJOINER PROPERTY LINE
- 5' CONTOUR
- 1' CONTOUR
- EXISTING STREAM
- EXISTING BUFFER
- EXISTING TREE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK

DEMOLITION KEYNOTES:

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

CHARLES E. FERRELL AND WIFE GRETTA LOUISE FERRELL PIN: 1757481951 DB 1813 PG 421

ABRAHAM T. BURNHAM AND KYLA L. BURNHAM PIN: 1757481832 DB 19140 PG 734

ROZELIA J. HARTSFIELD HEIRS PIN: 1757481740 BY WILL

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MEGAN KULAWIAK DEED BOOK 16226 PAGE 1133

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JONESVILLE RD. 60' PUBLIC R/W

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

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

0.2% ANNUAL CHANCE FLOOD HAZARD FRIS MAP # 3720175700K PANEL # 1757 EFFECTIVE DATE: 07/19/2022

TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655

EXISTING 30' HARRIS CREEK INTERCEPTOR BM 1990 PG 956

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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STRONG ROCK PROJECT	
	NOT FOR CONSTRUCTION
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DESIGNED BY	JWL
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

DEMOLITION PLAN

DRAWING SHEET

C-4.0

04 OF 35

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PROGRESS PLOT DATE: 08/01/2023

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L1	STREET 'A'	1264.68'	N0°23'26"W	10+00.00	22+64.68
L2	STREET 'B'	143.03'	N89°36'34"E	10+00.00	11+43.03
L3	STREET 'B'	293.73'	N88°27'42"E	11+63.07	14+56.79
L4	STREET 'B'	55.70'	N27°10'31"W	15+45.60	16+01.30
L5	STREET 'B'	248.56'	N90°00'00"W	18+75.43	21+23.99
L6	STREET 'B'	38.61'	S59°21'25"E	10+00.00	10+38.61
L7	STREET 'C'	131.35'	N14°39'30"W	10+00.00	11+31.35
L8	STREET 'C'	235.33'	N4°08'24"E	12+13.38	14+48.70
L9	STREET 'C'	250.20'	N11°46'01"W	15+18.11	17+68.31
L10	STREET 'C'	236.20'	N74°25'15"E	18+81.14	21+17.33
L11	STREET 'C'	128.04'	N56°21'23"E	21+96.15	23+24.19
L12	STREET 'D'	22.18'	S20°21'03"E	10+00.00	10+22.18
L13	STREET 'D'	392.55'	S33°39'46"E	10+75.62	14+68.17
L14	MEWS 'E'	11.48'	N12°40'01"W	10+00.00	10+11.48
L15	MEWS 'E'	221.89'	N33°39'46"W	10+48.13	12+70.02
L16	MEWS 'F'	127.62'	N56°20'14"E	10+00.00	11+27.62
L17	MEWS 'G'	146.37'	N10°54'01"W	10+00.00	11+46.37
L18	MEWS 'H'	524.00'	N58°06'55"E	10+00.00	15+24.00
L19	STREET 'I'	118.49'	S56°12'22"W	10+00.00	11+18.49
L20	STREET 'I'	363.97'	S79°05'59"W	12+38.37	16+02.33

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L21	STREET 'I'	205.11'	S73°58'51"W	16+91.67	18+96.78
L22	STREET 'I'	236.89'	S89°36'34"W	19+37.70	21+74.59
L23	STREET 'J'	1222.94'	N56°12'22"E	10+00.00	22+22.94
L24	STREET 'J'	451.93'	S87°11'53"E	25+42.30	29+94.22
L25	STREET 'K'	772.72'	S33°46'39"E	10+00.00	17+72.72
L26	STREET 'L'	80.15'	S33°47'38"E	10+00.00	10+80.15
L27	STREET 'L'	738.73'	S1°10'42"E	12+11.08	19+49.80
L28	STREET 'L'	29.78'	S80°24'31"E	21+57.23	21+87.01
L29	STREET 'M'	176.90'	N33°46'39"W	10+00.00	11+76.90
L30	STREET 'M'	324.85'	N56°12'22"E	11+76.90	15+01.75
L31	STREET 'M'	101.90'	S33°47'38"E	16+19.56	17+21.46
L32	STREET 'N'	25.24'	N30°29'12"W	10+00.00	10+25.24
L33	STREET 'N'	294.20'	N0°24'43"W	11+03.98	13+98.17
L34	STREET 'N'	422.54'	N88°19'47"E	13+98.18	18+20.72
L35	STREET 'O'	110.66'	S30°29'12"E	10+00.00	11+10.66
L36	STREET 'O'	31.18'	S80°47'14"E	12+42.35	12+73.53
L37	STREET 'O'	110.54'	N62°12'45"E	13+70.40	14+80.94
L38	STREET 'O'	34.02'	N2°48'07"E	16+36.48	16+70.49
L39	STREET 'P'	334.96'	N0°41'10"E	10+00.00	13+34.96
L40	STREET 'Q'	256.69'	S2°45'27"W	10+00.00	12+56.69

LINE TABLE					
NAME	ROADWAY	LENGTH	DIRECTION	BEGIN STATION	END STATION
L41	STREET 'Q'	23.28'	S32°40'51"W	13+08.92	13+32.19
L42	STREET 'R'	491.62'	N65°38'58"E	10+00.00	14+91.62
L43	STREET 'R'	27.48'	N0°01'05"W	19+50.07	19+77.54
L44	STREET 'T'	802.07'	N89°58'55"E	10+00.00	18+02.07
L45	MEWS 'U'	44.97'	S10°54'01"E	10+00.00	10+44.97
L46	MEWS 'U'	171.76'	S18°18'03"E	10+57.89	12+29.65
L47	MEWS 'V'	20.36'	S56°20'14"W	10+00.00	10+20.36
L48	MEWS 'V'	262.52'	S79°08'10"W	10+60.16	13+22.67
L49	MEWS 'V'	63.80'	S65°29'00"W	13+46.50	14+10.30
L50	MEWS 'W'	106.10'	S56°20'14"W	10+00.00	11+06.10
L51	MEWS 'W'	118.38'	N87°16'37"W	12+01.36	13+19.74
L52	MEWS 'X'	24.61'	S78°13'59"W	10+00.00	10+24.61
L53	MEWS 'X'	412.63'	N10°51'50"W	11+03.94	15+16.57
L54	MEWS 'Y'	127.62'	N56°20'14"E	10+00.00	11+27.62

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C21	STREET 'O'	150.00'	155.54'	148.66'	N32°30'26"E	14+80.94	16+36.48
C22	STREET 'Q'	100.00'	52.23'	51.63'	S17°43'09"W	12+56.69	13+08.91
C23	STREET 'R'	400.00'	458.45'	433.76'	N32°48'56"E	14+91.62	19+50.06
C24	STREET 'S'	1250.00'	518.68'	514.96'	S11°25'57"E	10+00.00	15+18.68
C25	MEWS 'U'	100.00'	12.92'	12.91'	S14°36'02"E	10+44.97	10+57.89
C26	MEWS 'V'	100.00'	39.79'	39.53'	S67°44'12"W	10+20.36	10+60.15
C27	MEWS 'V'	100.00'	23.83'	23.77'	S72°18'35"W	13+22.67	13+46.50
C28	MEWS 'W'	150.00'	95.26'	93.67'	S74°31'48"W	11+06.10	12+01.35
C29	MEWS 'X'	50.00'	79.33'	71.27'	N56°18'55"W	10+24.61	11+03.94

CURVE TABLE							
NAME	ROADWAY	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD DIRECTION	BEGIN STATION	END STATION
C1	STREET 'B'	1000.00'	20.03'	20.03'	N89°02'08"E	11+43.03	11+63.06
C2	STREET 'B'	44.00'	88.80'	74.48'	N30°38'35"E	14+56.79	15+45.60
C3	STREET 'B'	250.00'	274.12'	260.60'	N58°35'16"W	16+01.30	18+75.42
C4	STREET 'C'	250.00'	82.02'	81.66'	N5°15'33"W	11+31.35	12+13.37
C5	STREET 'C'	250.00'	69.41'	69.18'	N3°48'48"W	14+48.70	15+18.11
C6	STREET 'C'	75.00'	112.82'	102.48'	N31°19'37"E	17+68.31	18+81.13
C7	STREET 'C'	250.00'	78.82'	78.49'	N65°23'19"E	21+17.33	21+96.15
C8	STREET 'D'	230.00'	53.44'	53.32'	S27°00'24"E	10+22.18	10+75.61
C9	STREET 'D'	250.00'	78.91'	78.58'	S24°37'15"E	14+68.17	15+47.07
C10	MEWS 'E'	100.00'	36.64'	36.44'	N23°09'54"W	10+11.48	10+48.12
C11	STREET 'I'	300.00'	119.87'	119.07'	S67°39'11"W	11+18.49	12+38.36
C12	STREET 'I'	1000.00'	89.34'	89.31'	S76°32'25"W	16+02.33	16+91.67
C13	STREET 'I'	150.00'	40.92'	40.79'	S81°47'43"W	18+96.78	19+37.70
C14	STREET 'J'	500.00'	319.36'	313.96'	N74°30'15"E	22+22.94	25+42.30
C15	STREET 'L'	230.00'	130.93'	129.17'	S17°29'10"E	10+80.15	12+11.07
C16	STREET 'L'	150.00'	207.42'	191.29'	S40°47'36"E	19+49.80	21+57.23
C17	STREET 'M'	75.00'	117.81'	106.07'	S78°47'38"E	15+01.75	16+19.56
C18	STREET 'N'	150.00'	78.74'	77.83'	N15°26'57"W	10+25.24	11+03.97
C19	STREET 'O'	150.00'	131.69'	127.50'	S55°38'13"E	11+10.66	12+42.35
C20	STREET 'O'	150.00'	96.87'	95.19'	N80°42'46"E	12+73.53	13+70.40

LEGEND:

- EXISTING PROPERTY LINE
- STREET LIGHT
- SIGN
- STOP BAR
- WHEELCHAIR RAMP
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- STANDARD CURB & GUTTER
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- OPEN SPACE
- EXISTING WETLAND
- FLOOD HAZARD
- FLOODZONE AE
- FLOODWAY
- SWAMP/MARSH HARRIS CREEK

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO TOWN OF ROLESVILLE AND CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
2. ROADS AND DRIVEWAYS SHALL COMPLY WITH NCDOT AND TOWN OF ROLESVILLE STANDARDS.
3. SIGN PERMITS SHALL BE REQUIRED FOR ANY ENTRANCE SIGNAGE. PERMITS SHALL BE REQUIRED PRIOR TO FABRICATION OR INSTALLATION OF SIGNS. SIGNAGE SHALL BE RESTRICTED TO AN ON-SITE LOCATION.
4. THE WATER AND SEWER SYSTEMS SHALL COMPLY WITH CITY OF RALEIGH STANDARDS.
5. ALL DESIGN AND CONSTRUCTION METHODS SHALL COMPLY WITH WAKE COUNTY'S SEDIMENTATION AND EROSION CONTROL REGULATIONS. AN EROSION CONTROL PLAN SHALL BE APPROVED BYTOWN OF ROLESVILLE PRIOR TO ANY GRADING.
6. CONSTRUCTION DRAWINGS SHALL BE SUBMITTED AND APPROVED BY TOWN OF ROLESVILLE AND CITY OF RALEIGH PRIOR TO CONSTRUCTION.
7. ALL STREETS WITHIN THE SUBDIVISION WILL HAVE A POSTED SPEED LIMIT OF 25 MPH.
8. RESTRICTIVE COVENANTS SHALL BE APPROVED AND RECORDED PRIOR TO RECORDING OF FINAL PLAT.
9. STORMWATER CONTROL MEASURES SHALL BE CONTAINED IN AND ACCESSED VIA OPEN SPACE MAINTAINED AND OWNED BY THE HOMEOWNER'S ASSOCIATION. A MAINTENANCE PLAN MUST BE DEVELOPED TO ADDRESS THE STORMWATER CONTROL MEASURES AND APPROVED BY TOWN OF ROLESVILLE.
10. PRIVATE STORM DRAINAGE EASEMENTS SHALL BE MAINTAINED BY THE HOA.
11. SUBDIVISION LOTS MUST BE LOTS OF RECORD PRIOR TO RECEIVING A BUILDING PERMIT.



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

OVERALL SITE PLAN

DRAWING SHEET
C-5.0

05 OF 35

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PROGRESS PLOT DATE: 08/01/2023

CHARLES E. FERRELL
AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM
AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

CHARLES ALFONSA JONES
AND
WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

ALESHIA FERRELL &
ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS
CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS
CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS
CHURCH #1
DB 9467 PG 430

ALICIA BROWN &
CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007
PG 1224

JONESVILLE RD

TYPE III PERIMETER BUFFER

10.0' WIDE COMMUNITY ACCESS PATH

PROPERTY LINE

STREET 'T'
50' PUBLIC R/W

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

10'X70' SIGHT DISTANCE TRIANGLES

CROSSWALK (TYP.)

5.0' SIDEWALK

10.0' SIDEWALK

50.0' ROW
29.0' B-B
24.0' EOP

COMMUNITY GARDEN

PARK #4
ACTIVE OPEN SPACE

RETAINING WALL (TYP.)

SCM MAINTENANCE EASEMENT

SCM #7

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

FLOODZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

WTLD

100YR

W1

LOT	AREA
159	5,063 SF
158	5,037 SF
157	5,034 SF
156	5,021 SF
155	5,023 SF
154	5,014 SF
153	5,030 SF
152	5,031 SF
151	5,047 SF
150	5,045 SF
149	5,000 SF
148	5,000 SF
147	5,123 SF
146	5,037 SF
145	7,122 SF
144	8,590 SF
143	9,311 SF
142	10,593 SF
141	9,737 SF
140	6,183 SF
139	5,138 SF
138	5,246 SF
137	5,000 SF
136	5,000 SF
135	5,000 SF
134	5,000 SF
133	5,000 SF
132	5,000 SF
131	5,000 SF
160	7,384 SF
161	6,672 SF
162	6,687 SF
163	6,673 SF
164	6,679 SF
165	6,693 SF
166	6,702 SF
167	6,313 SF
168	7,627 SF
169	6,251 SF
170	5,476 SF
171	5,910 SF
172	5,908 SF
173	5,908 SF
174	5,908 SF
175	5,909 SF
176	20.0' PUBLIC DRAINAGE EASEMENT
177	5,454 SF
178	5,000 SF
179	5,000 SF
180	5,000 SF
181	5,000 SF
182	5,000 SF
183	5,000 SF
184	6,422 SF
185	5,000 SF
186	5,000 SF
187	5,000 SF
188	5,000 SF
189	5,000 SF
190	5,000 SF
191	5,000 SF

MATCH LINE
FOR CONTINUATION, SEE C-5.2

MATCH LINE
FOR CONTINUATION, SEE C-5.3

MATCH LINE
FOR CONTINUATION, SEE C-5.4

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

SITE KEY PLAN

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

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

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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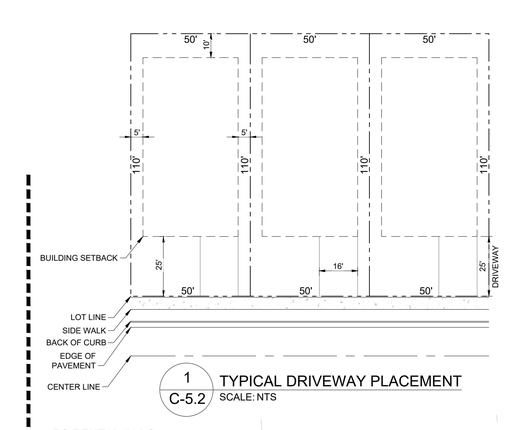
DESIGNED BY	JWL	DRAWN BY	SRG
CHECKED BY	JWL		

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

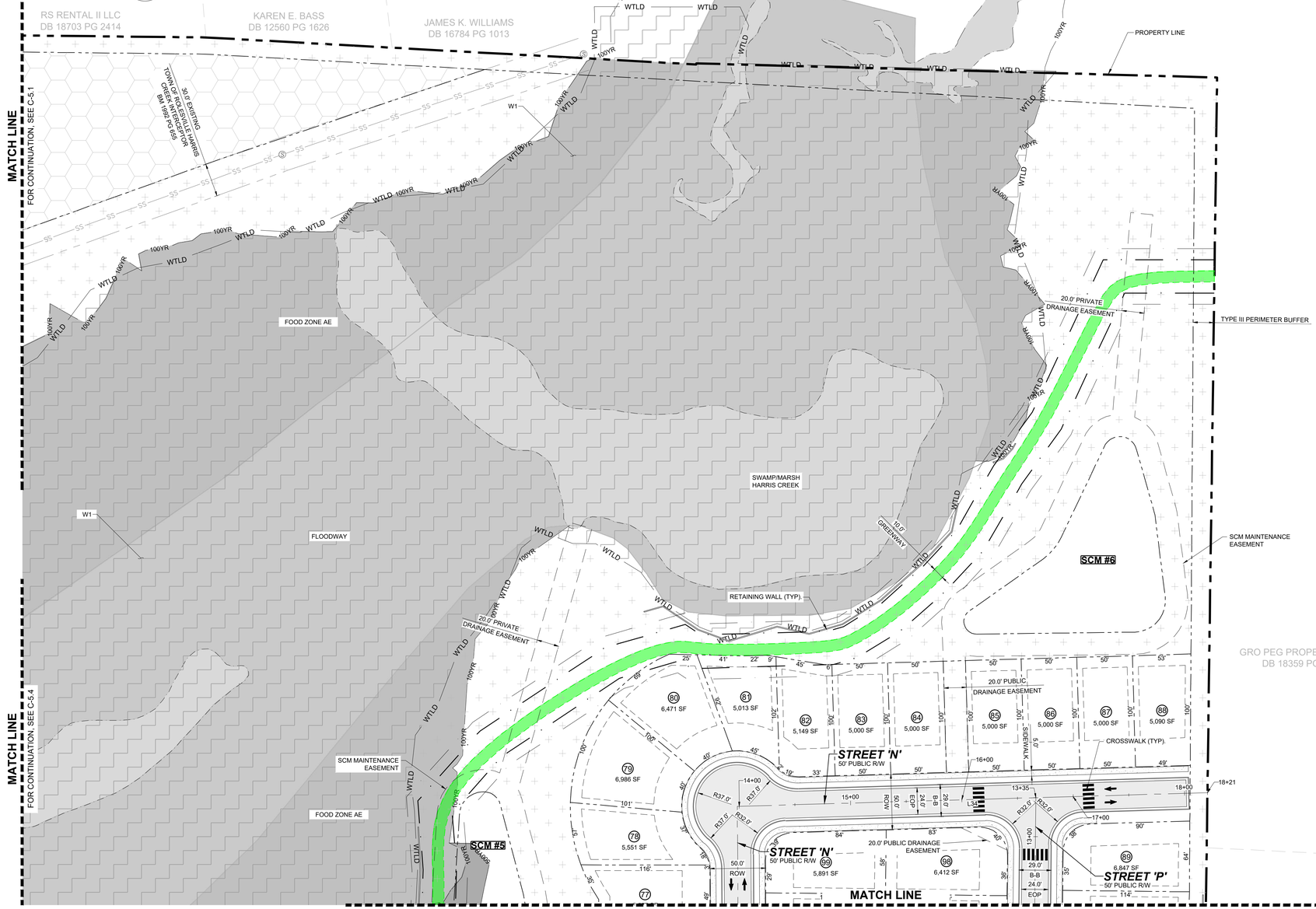
PARTIAL SITE PLAN I

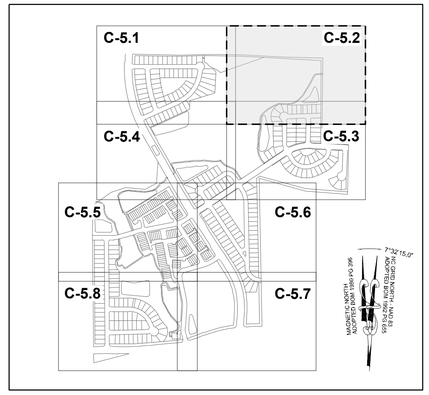
DRAWING SHEET
C-5.1

06 OF 35

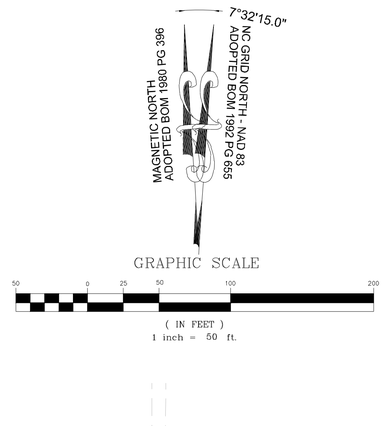


1 C-5.2 TYPICAL DRIVEWAY PLACEMENT
SCALE: NTS





SITE KEY PLAN



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

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

PARTIAL SITE PLAN II

DRAWING SHEET
C-5.2

07 OF 35

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PROGRESS PLOT DATE: 08/01/2023

MATCH LINE

FOR CONTINUATION, SEE C-5.2

MATCH LINE

FOR CONTINUATION, SEE C-5.1

MATCH LINE

FOR CONTINUATION, SEE C-5.4

SWAMP/MARSH
HARRIS CREEK

FLOODWAY

FLOODZONE AE

0.2% ANNUAL CHANCE
FLOOD HAZARD

20.0' PRIVATE
DRAINAGE EASEMENT

SCM MAINTENANCE
EASEMENT

10.0'
GREENWAY

SCM #5

SCM #6

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

STREET 'M'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'Q'
50' PUBLIC R/W

PARK #2
ACTIVE OPEN SPACE

PARK #3
ACTIVE OPEN SPACE

CLUB HOUSE

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC
DRAINAGE EASEMENT

20.0' PRIVATE
DRAINAGE EASEMENT

20.0' STREAM
BUFFER ZONE 1

20.0' STREAM
BUFFER ZONE 2

PERENNIAL STREAM E

TYPE III PERIMETER BUFFER

RETAINING WALL (TYP.)

CROSSWALK (TYP.)

SIDEWALK (TYP.)

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

DEED BOOK 10124 PAGE 2778
MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

MATCH LINE
FOR CONTINUATION, SEE C-5.6

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

SITE KEY PLAN

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1982 PG 655

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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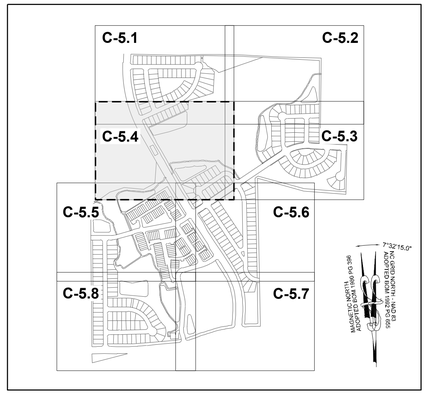
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PARTIAL SITE PLAN III

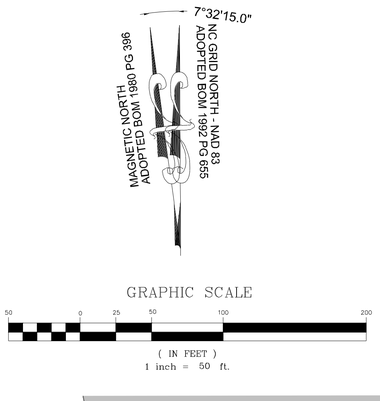
DRAWING SHEET
C-5.3

08 OF 35

PROGRESS PLOT DATE: 08/01/2023



SITE KEY PLAN





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

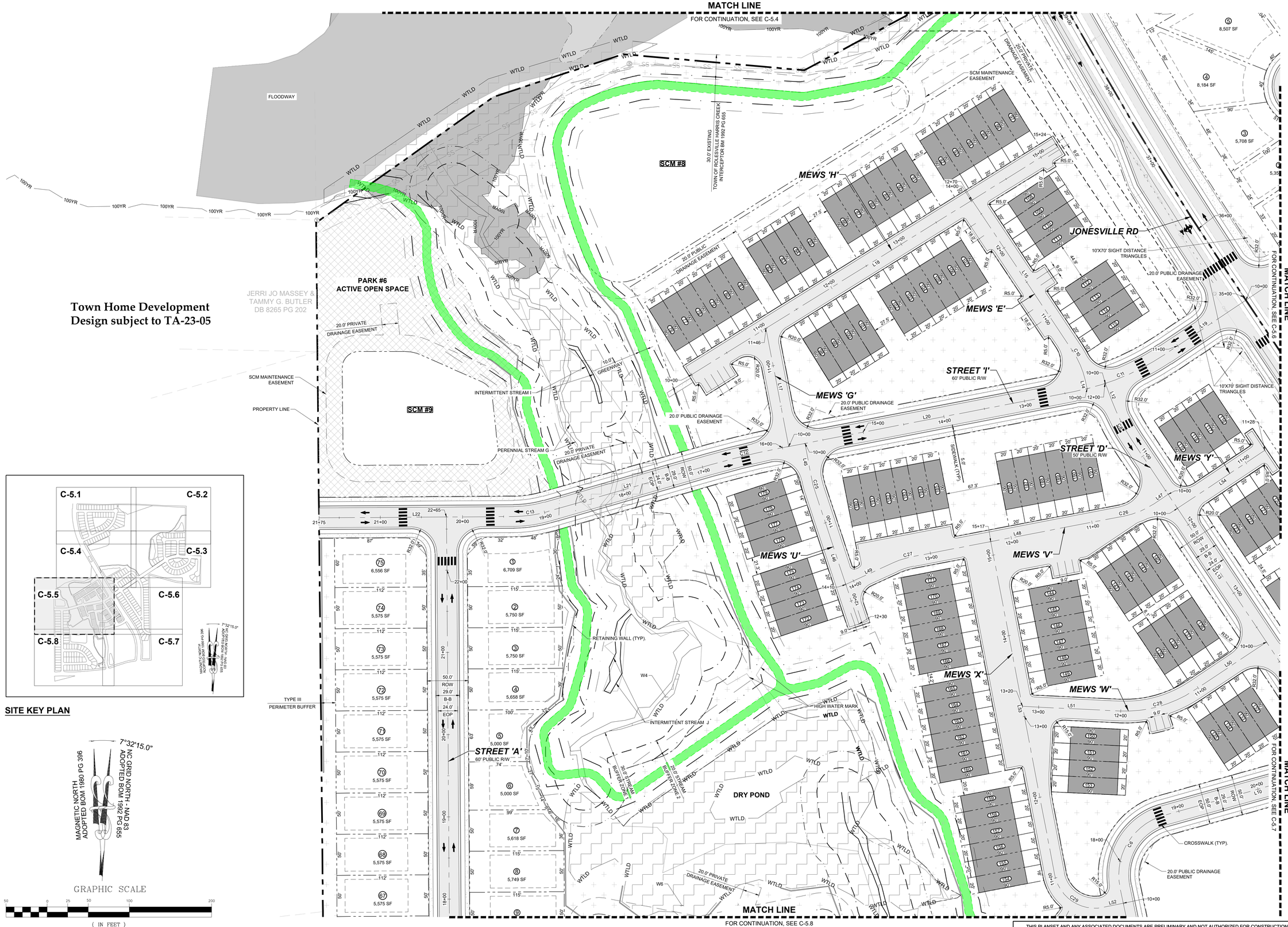
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.

PARTIAL SITE PLAN IV

DRAWING SHEET
C-5.4

09 OF 35

PROGRESS PLOT DATE: 08/01/2023



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

PARTIAL SITE PLAN V

DRAWING SHEET
C-5.5

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PROGRESS PLOT DATE: 08/01/2023

MATCH LINE
FOR CONTINUATION, SEE C-5.4

MATCH LINE
FOR CONTINUATION, SEE C-5.3

MATCH LINE
FOR CONTINUATION, SEE C-5.5

MATCH LINE
FOR CONTINUATION, SEE C-5.7

STREET 'M'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'K'
50' PUBLIC R/W

STREET 'I'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

STREET 'D'
50' PUBLIC R/W

JONESVILLE RD

JONESVILLE RD

MEWS 'H'

MEWS 'E'

MEWS 'Y'

MEWS 'V'

MEWS 'X'

MEWS 'W'

MEWS 'F'

CLUB HOUSE

DEED BOOK 10124 PAGE 2778
MT. CALVARY HOLINESS CHURCH
OF WAKE CO. INC

TYPE III PERIMETER BUFFER

PROPERTY LINE

5.0' SIDEWALK (TYP).

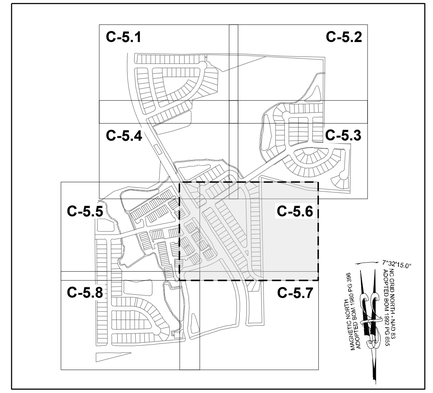
RETAINING WALL (TYP).

CROSSWALK (TYP.)

20.0' PUBLIC DRAINAGE EASEMENT

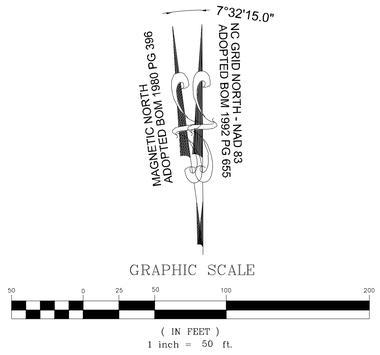
10'X70' SIGHT DISTANCE TRIANGLES

WTLD



SITE KEY PLAN

Town Home Development
Design subject to TA-23-05



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SEAL

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

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

PARTIAL SITE PLAN VI

DRAWING SHEET
C-5.6

11 OF 35

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PROGRESS PLOT DATE: 08/01/2023

MATCH LINE
FOR CONTINUATION, SEE C-5.6

STREET 'D'
50' PUBLIC R/W

MEWS 'X'

JONESVILLE RD

STREET 'L'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

CROSSWALK (TYP).

GREENWAY

SIDEWALK

ROW

B-B

EOP

RETAINING WALL (TYP).

TYPE III PERIMETER BUFFER

PROPERTY LINE

SCM #2

LOT 1 BLOCK A

PARK #1
ACTIVE OPEN SPACE

MATCH LINE
FOR CONTINUATION, SEE C-5.8

HIGH WATER MARK

INTERMITTENT STREAM G

SCM MAINTENANCE EASEMENT

SCM #3

20' STREAM BUFFER ZONE 2

20.0' STREAM BUFFER ZONE 1

10'X70' SIGHT DISTANCE TRIANGLES

MITCHELL MILL RD.
60' PUBLIC R/W

PEEBLES RD.
60' PUBLIC R/W

GRO-PEG ROAD
60' PRIVATE R/W

Town Home Development
Design subject to TA-23-05

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT
AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS
AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON
AND WIFE, KELLY GAITHER GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT
AND WIFE, JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

CECIL L. GOODNIGHT
AND WIFE, JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

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

SITE KEY PLAN

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

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

No.	REVISIONS	DATE	BY
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PARTIAL SITE PLAN VII

DRAWING SHEET
C-5.7

12 OF 35

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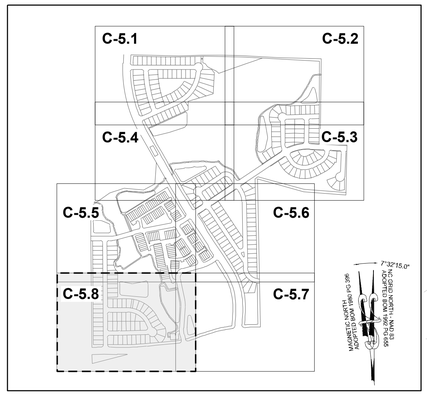
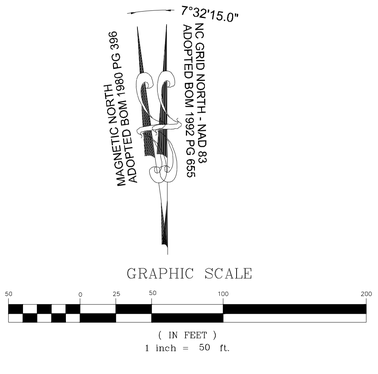
PROGRESS PLOT DATE: 08/01/2023



SITE KEY PLAN



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

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

PARTIAL STIE PLAN VIII

DRAWING SHEET
C-5.8

13 OF 35

PROGRESS PLOT DATE: 08/01/2023

UTILITY NOTES

1. ALL UTILITY DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES (CORDPU) STANDARDS AND SPECIFICATIONS. UTILITY DESIGN SHALL ALSO MEET FIRE FLOW REQUIREMENTS OF NCFC.
2. UTILITY SIZES AND LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND ARE SUBJECT TO CHANGE BASED ON FINAL DESIGN AND CONSTRUCTION DRAWING APPROVAL. THIS SHALL INCLUDE BUT NOT LIMITED TO FIRE HYDRANT LOCATIONS.
3. ANY EXISTING WATER AND SEWER LINES TO BE USED AS PART OF THE FINAL DESIGN OF THE PROJECT, SHALL BE LOCATED BY SURVEY, TESTED BY A LICENSED CONTRACTOR AND APPROVED BY THE CITY OF RALEIGH INSPECTOR PRIOR TO SUBMITTAL OF CONSTRUCTION DRAWINGS.
4. AS PART OF CONSTRUCTION DRAWING SUBMITTAL, FIRE FLOW CALCULATIONS SHALL BE PROVIDED SHOWING COMPLIANCE WITH NCFC. PROJECT MAY BE DEVELOPED IN PHASES AND ALL PHASES SHALL BE REQUIRED TO MEET THE MINIMUM REQUIRED FIRE FLOWS PER OCCUPANCY PROPOSED IN EACH PHASE.
5. AN APPROVED WATER SUPPLY FOR FIRE SUPPRESSION (TEMPORARY OR PERMANENT) SHALL BE PROVIDED AS SOON AS COMBUSTIBLE MATERIALS ARRIVE ON SITE.
6. UTILITY CONSTRUCTION APPROVAL IS REQUIRED FOR THIS PROJECT, PLANS TO BE PREPARED BY NC PROFESSIONAL ENGINEER.
7. RIGHT OF WAY AND/OR EASEMENT DEDICATION PLAT IS REQUIRED FOR THIS PROJECT (PRIOR TO CITY ACCEPTANCE OF UTILITIES).
8. ALL NECESSARY WETLAND, RIPARIAN BUFFER AND FLOODPLAIN PERMITS FROM USACE, NCDWQ & FEMA SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
9. PROJECT SHALL EXTEND PUBLIC WATER MAINS ALONG ALL INTERIOR AND ABUTTING RIGHT OF WAYS OF DEVELOPMENT.
10. FIRE HYDRANT ASSEMBLIES SHALL BE INSTALLED AT EVERY INTERSECTION AND AT 500' (RESIDENTIAL) MAX INTERVALS ALONG SITE FRONTAGE.
11. ALL MAINS UP TO 12 INCHES IN SIZE SHALL BE DESIGNED WITH A BLOW-OFF ASSEMBLY THE SAME SIZE AS THE DIAMETER OF THE PIPE.
12. ALL WATER MAINS SHALL BE PRESSURE CLASS OR THICKNESS CLASS DUCTILE IRON PIPE DESIGNED IN ACCORDANCE WITH AWWA STANDARD C-150.
13. PROJECT SHALL EXTEND PUBLIC GRAVITY SEWER TO PERIPHERY OF DEVELOPMENT BASED ON NATURAL TOPOGRAPHY.
14. ALL CITY OF RALEIGH SANITARY SEWER EASEMENTS SHALL BE A MINIMUM OF 30 FEET.
15. THE SANITARY SEWER DESIGN SHALL BE EVALUATED DURING THE CONSTRUCTION DRAWING REVIEW TO ENSURE ADJACENT PROPERTIES HAVE ACCESS TO SANITARY SEWER WHERE FEASIBLE AND IN COMPLIANCE WITH THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT STANDARDS AND SPECIFICATIONS.
16. ALL OFF-SITE EASEMENTS SHALL BE ACQUIRED BY THE DEVELOPER. THESE OFF-SITE EASEMENTS SHALL BE RECORDED BY MAP AND BY DEED OF EASEMENT PRIOR TO CONSTRUCTION APPROVAL. THE EASEMENTS SHALL BE DEDICATED TO THE CITY OF RALEIGH AND ENTITLED "CITY OF RALEIGH SANITARY SEWER EASEMENT".
17. MAINTAIN APPROPRIATE COVER AND SEPARATION ON UTILITIES AND LABEL IN PROFILES; ANY UTILITY CROSSINGS ARE SUBJECT TO MINIMUM REQUIREMENTS.
18. CONSTRUCTION APPROVAL WILL BE REQUIRED FOR ANY EXTENSIONS OF PUBLIC WATER OR SEWER MAINS.
19. PLAT RECORDATION REQUIRED AFTER CONSTRUCTION APPROVAL PRIOR TO BUILDING PERMIT.
20. DOT ENCROACHMENT AGREEMENT REQUIRED.
21. PRIVATE WATER SERVICES SIZED 3/4" - 2" SHOULD BE TYPE "K" SOFT COPPER AND IN ACCORDANCE WITH PU HANDBOOK, APP. B, STANDARD WATER DETAIL W-23 AND W-25. IF WATER METERS CANNOT BE LOCATED WITHIN THE RIGHT-OF-WAY THEY MUST BE WITHIN RECORDED "CITY OF RALEIGH WATERLINE EASEMENTS.

CORPUD STANDARD UTILITY NOTES:

STANDARD UTILITY NOTES (AS APPLICABLE):

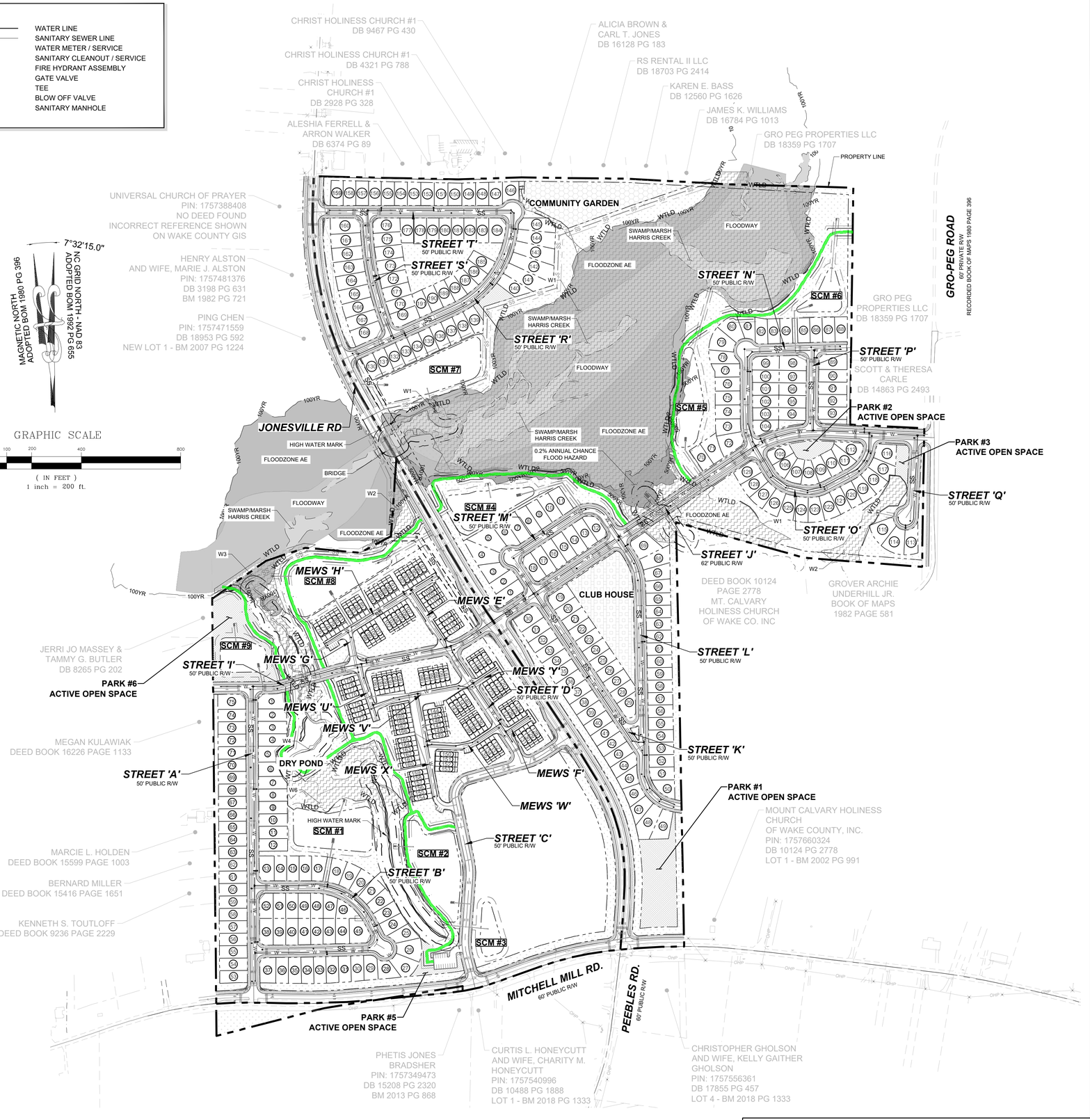
1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).
2. UTILITY SEPARATION REQUIREMENTS:
   a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC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

LEGEND:

- W — WATER LINE
- SS — SANITARY SEWER LINE
- WATER METER / SERVICE
- SANITARY CLEANOUT / SERVICE
- FIRE HYDRANT ASSEMBLY
- GATE VALVE
- TEE
- BLOW OFF VALVE
- SANITARY MANHOLE

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

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



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

OVERALL UTILITY PLAN

DRAWING SHEET
C-6.0

14 OF 35

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PROGRESS PLOT DATE: 08/01/2023

CHARLES E. FERRELL
AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM
AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

CHARLES ALFONSA JONES
AND
WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

ALESHIA FERRELL &
ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS
CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS
CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS
CHURCH #1
DB 9467 PG 430

ALICIA BROWN &
CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007
PG 1224

JONESVILLE RD

PROPERTY LINE

STREET 'T'
50' PUBLIC R/W

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

COMMUNITY GARDEN

PARK #4
ACTIVE OPEN SPACE

FLOODZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

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

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

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

8" BELOW OFF ASSEMBLY

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

8" DIP W/L

8" 45° BEND

8" BLOW OFF ASSEMBLY

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

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

EX. SSMH #03
EX. SSMH #04
EX. SSMH #05
EX. P #03
EX. P #04

FHA

MATCH LINE
FOR CONTINUATION, SEE C-6.2

MATCH LINE
FOR CONTINUATION, SEE C-6.3

MATCH LINE
FOR CONTINUATION, SEE C-6.4

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

SITE KEY PLAN

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

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

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01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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

STRONG ROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

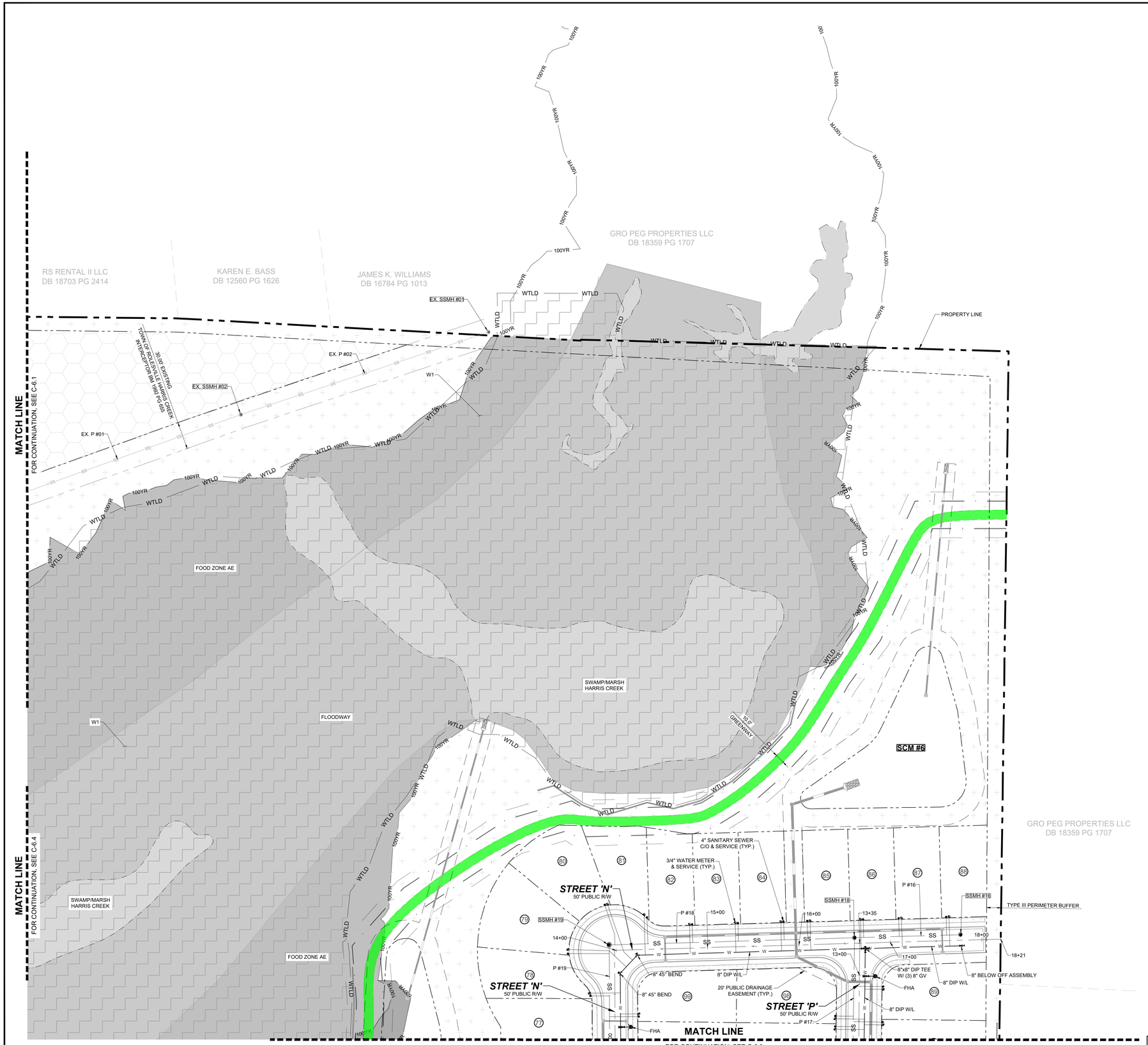
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

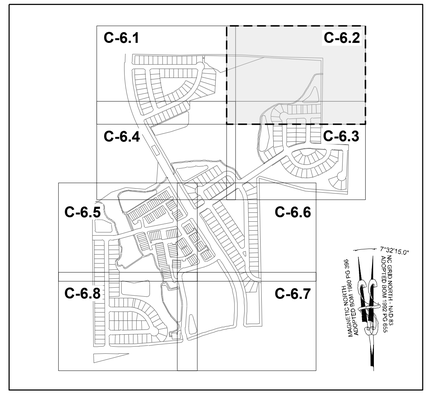
PARTIAL UTILITY PLAN I

DRAWING SHEET
C-6.1

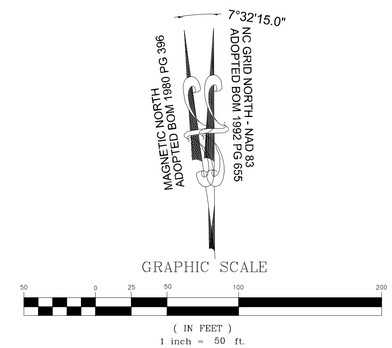
15 OF 35

PROGRESS PLOT DATE: 08/01/2023





SITE KEY PLAN



No.	REVISIONS	DATE	BY
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STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL UTILITY PLAN II

DRAWING SHEET
C-6.2

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PROGRESS PLOT DATE: 08/01/2023

MATCH LINE
FOR CONTINUATION, SEE C-6.2

MATCH LINE
FOR CONTINUATION, SEE C-6.1

MATCH LINE
FOR CONTINUATION, SEE C-6.4

MATCH LINE
FOR CONTINUATION, SEE C-6.6

SWAMP/MARSH
HARRIS CREEK

FLOODWAY

W1

FLOODZONE AE

10.00'
GREENWAY

SCM #5

0.2% ANNUAL CHANCE
FLOOD HAZARD

100YR

500YR

WTLD

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

STREET 'M'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

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

PARK #2
ACTIVE OPEN SPACE

PARK #3
ACTIVE OPEN SPACE

PROPERTY LINE

SSMH #16
SSMH #17
SSMH #18
SSMH #19
SSMH #20
SSMH #21
SSMH #22
SSMH #23
SSMH #24
SSMH #25
SSMH #26
SSMH #27
SSMH #28
SSMH #29
SSMH #30
SSMH #31
SSMH #32
INSIDE DROP MANHOLE
SSMH #33
SSMH #34
SSMH #37
SSMH #38
SSMH #39
INSIDE DROP MANHOLE

P #16
P #17
P #18
P #19
P #20
P #21
P #22
P #23
P #24
P #25
P #26
P #27
P #28
P #29
P #30
P #31
P #32
P #33
P #34
P #37
P #38
P #39

13+35
14+00
15+00
16+00
17+00
18+00
18+21
13+00
12+00
11+00
10+00

8" DIP W/L
8" 45° BEND
8" 22.5° BEND
8" 11.25° BEND
8"x8" TEE
W / (3) 8" GV
8"x8" CROSS
W / (4) 8" GV
8" BELOW OFF ASSEMBLY
8" BLOW OFF ASSEMBLY
FHA
SS
W

PERENNIAL STREAM E
30.0' STREAM
BUFFER ZONE 1
20.0' STREAM
BUFFER ZONE 2

DEED BOOK 10124 PAGE 2778
MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

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

SITE KEY PLAN

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

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

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No.	REVISIONS	DATE	BY
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SEAL:
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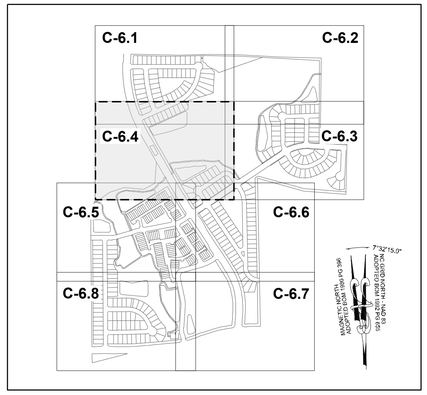
STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

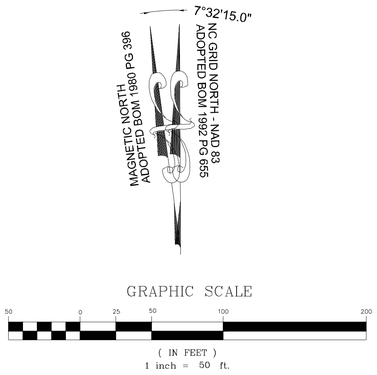
PARTIAL UTILITY PLAN III

DRAWING SHEET
C-6.3

17 OF 35



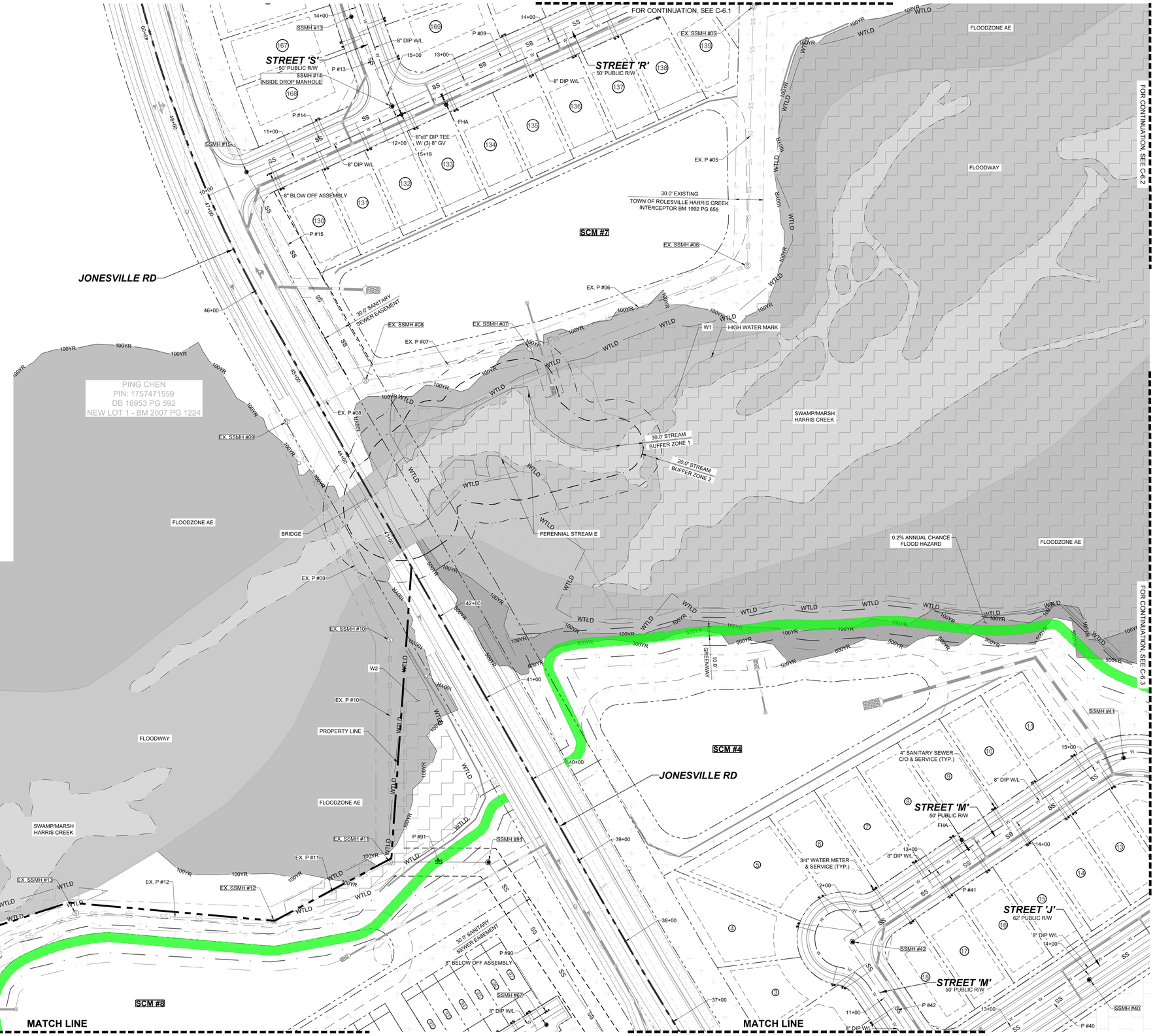
SITE KEY PLAN



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



BY	DATE	REVISIONS	No.
SREG			
	08/01/2023	PRELIMINARY SUBDIVISION PLAT SPS 23-02	01

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

PARTIAL UTILITY PLAN IV

DRAWING SHEET

C-6.4

18 OF 35

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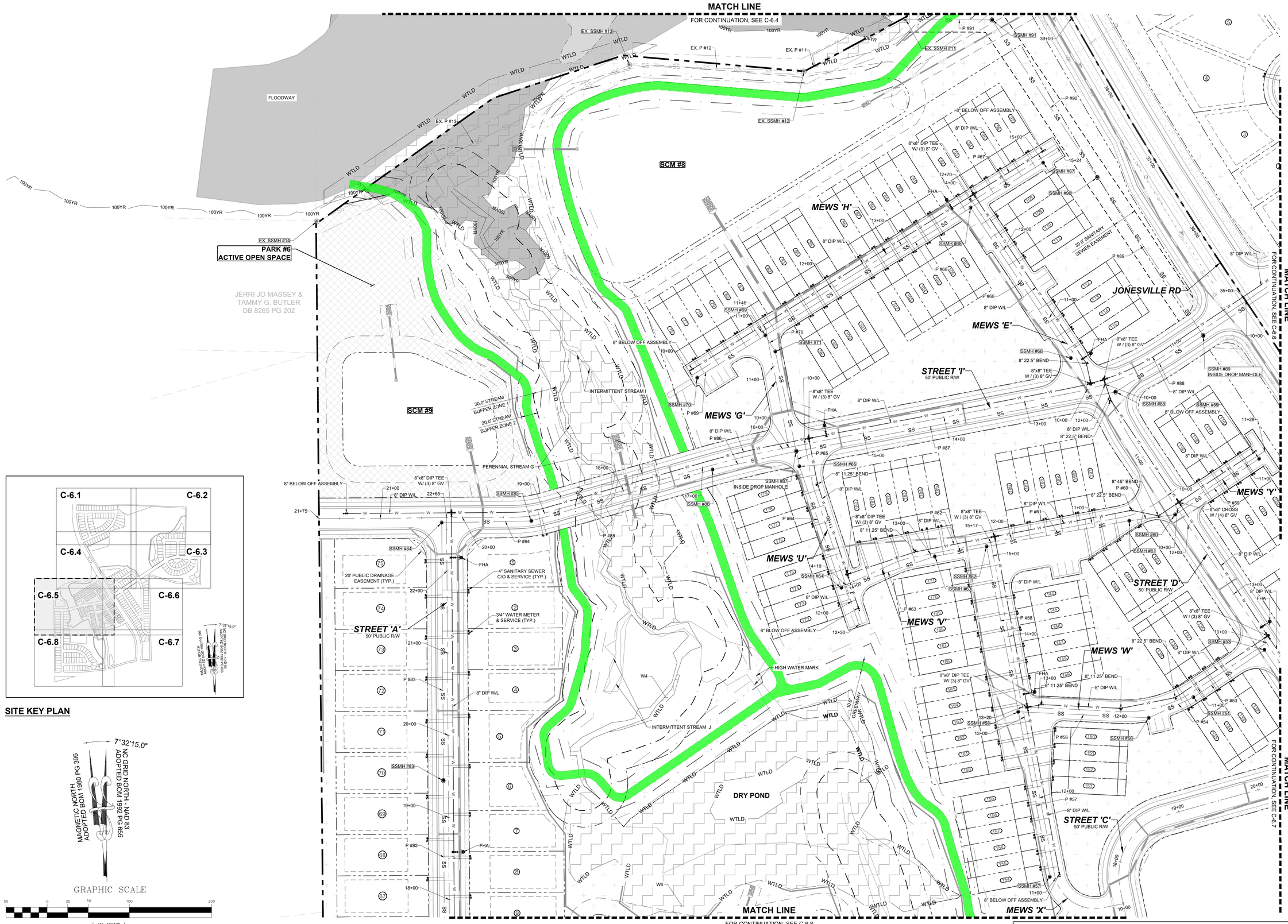
PROGRESS PLOT DATE: 08/01/2023



SITE KEY PLAN

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

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6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PARTIAL UTILITY PLAN V

DRAWING SHEET

C-6.5

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PROGRESS PLOT DATE: 08/01/2023

MATCH LINE
FOR CONTINUATION, SEE C-6.4

MATCH LINE
FOR CONTINUATION, SEE C-6.3

MATCH LINE
FOR CONTINUATION, SEE C-6.5

MATCH LINE
FOR CONTINUATION, SEE C-6.7

JONESVILLE RD

STREET 'M'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'I'
50' PUBLIC R/W

STREET 'D'
50' PUBLIC R/W

STREET 'K'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

MEWS 'V'

MEWS 'Y'

MEWS 'X'

MEWS 'W'

MEWS 'F'

CLUB HOUSE

DEED BOOK 10124 PAGE 2778
MT. CALVARY HOLINESS CHURCH
OF WAKE CO. INC

PROPERTY LINE

30.0' STREAM BUFFER-ZONE 1

30.0' STREAM BUFFER-ZONE 2

20' PUBLIC DRAINAGE EASEMENT (TYP.)

30.0' SANITARY SEWER EASEMENT

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

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

SSMH #36 SSMH #37 SSMH #38 SSMH #39 SSMH #40 SSMH #41 SSMH #42 SSMH #43 SSMH #44 SSMH #45 SSMH #46 SSMH #47 SSMH #48 SSMH #49 SSMH #50 SSMH #51 SSMH #52 SSMH #53 SSMH #54 SSMH #55 SSMH #56 SSMH #57 SSMH #58 SSMH #59 SSMH #60 SSMH #61 SSMH #62 SSMH #63 SSMH #64 SSMH #65 SSMH #66 SSMH #67 SSMH #68 SSMH #69 SSMH #70

P #34 P #35 P #36 P #37 P #38 P #39 P #40 P #41 P #42 P #43 P #44 P #45 P #46 P #47 P #48 P #49 P #50 P #51 P #52 P #53 P #54 P #55 P #56 P #57 P #58 P #59 P #60 P #61 P #62 P #63 P #64 P #65 P #66 P #67 P #68 P #69 P #70 P #71 P #72 P #73 P #74 P #75 P #76 P #77 P #78 P #79 P #80 P #81 P #82 P #83 P #84 P #85 P #86 P #87 P #88 P #89 P #90

8" DIP W/L
8" BELOW OFF ASSEMBLY
8" BLOW OFF ASSEMBLY
8"x8" CROSS W / (4) 8" GV
8"x8" TEE W / (3) 8" GV
8"x6" DIP TEE W/ (3) 8" GV
8" 45° BEND
8" 22.5° BEND
8" 11.25° BEND
FHA

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

SITE KEY PLAN

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

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SRE/G

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

PARTIAL UTILITY PLAN VI

DRAWING SHEET
C-6.6

20 OF 35

PROGRESS PLOT DATE: 08/01/2023

MATCH LINE
FOR CONTINUATION, SEE C-6.5

MATCH LINE
FOR CONTINUATION, SEE C-6.8

STREET 'D'
50' PUBLIC R/W

MEWS 'X'

JONESVILLE RD

STREET 'L'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

LOT 1 BLOCK A

SCM #2

SCM #3

PARK #1
ACTIVE OPEN SPACE

PARK #5
ACTIVE OPEN SPACE

PROPERTY LINE

MITCHELL MILL RD.
60' PUBLIC R/W

PEEBLES RD.
60' PUBLIC R/W

GRO-PEG ROAD
60' PRIVATE R/W

SSMH #56
SSMH #57
SSMH #47
SSMH #46
SSMH #45
SSMH #44
SSMH #43
P #57
P #46
P #45
P #44
P #43
8" DIP W/L
8" BELOW OFF ASSEMBLY
8" 11.25° BEND
8" 22.5° BEND
4" SANITARY SEWER C/O & SERVICE (TYP.)
3/4" WATER METER & SERVICE (TYP.)
FHA
GREENWAY
HIGH WATER MARK
INTERMITTENT STREAM G
30.0' STREAM BUFFER-ZONE 1
30.0' STREAM BUFFER-ZONE 2

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

SITE KEY PLAN

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

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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

STRONG ROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

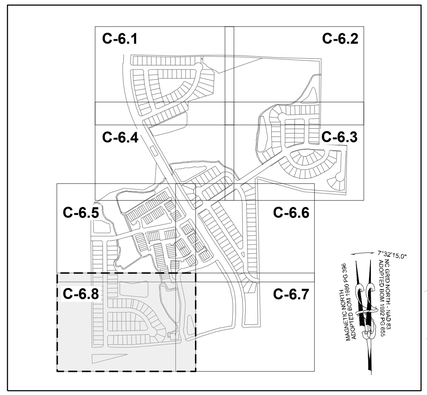
PARTIAL UTILITY PLAN VII

DRAWING SHEET
C-6.7

21 OF 35

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

PROGRESS PLOT DATE: 08/01/2023



SITE KEY PLAN

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

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

MATCH LINE
FOR CONTINUATION, SEE C-6.5

MARCIE L. HOLDEN
DEED BOOK 15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK 9236 PAGE 2229

PROPERTY LINE

NICHOLAS JAMES PIGNATTI
AND, HOLLY BETH NIEDERHOFER
PIN: 1757355367
DB 17247 PG 2571
LOT 1 - BM 2009 PG 353

HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

DRY POND
SCM #1
SCM #2
SCM #3
PARK #5
ACTIVE OPEN SPACE

STREET 'A'
50' PUBLIC R/W

STREET 'B'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

MEWS 'X'

MITCHELL MILL RD.
60' PUBLIC R/W

10.0' GREENWAY
30.0' STREAM BUFFER ZONE 1
20.0' STREAM BUFFER ZONE 2
INTERMITTENT STREAM G
HIGH WATER MARK
3/4" WATER METER & SERVICE (TYP.)
4" SANITARY SEWER C/O & SERVICE (TYP.)
8" DIP W/L
8"x8" DIP TEE W/ (3) 8" GV
8"x8" TEE W / (3) 8" GV
8" BELOW OFF ASSEMBLY
SSMH #83
SSMH #82
SSMH #81
SSMH #80
SSMH #79
SSMH #78
SSMH #77
SSMH #76
SSMH #75
SSMH #74
SSMH #73
SSMH #72
SSMH #57
SSMH #51 INSIDE DROP MANHOLE
FHA
P #82
P #81
P #80
P #79
P #78
P #77
P #76
P #75
P #74
P #73
P #72
P #57
W6
WTLD

FOR CONTINUATION, SEE C-6.7
MATCH LINE

CURTIS L. HONEYCUTT
AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

PARTIAL UTILITY PLAN VIII

DRAWING SHEET
C-6.8

22 OF 35

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	PVC - SDR 26	8"	296	254.50	252.92	0.53%
P #02	PVC - SDR 26	8"	205	252.72	251.70	0.50%
P #03	PVC - SDR 26	8"	239	251.50	249.20	0.96%
P #04	PVC - SDR 26	8"	84	249.00	248.58	0.50%
P #05	PVC - SDR 26	8"	86	248.38	246.33	2.39%
P #06	PVC - SDR 26	8"	83	246.13	244.18	2.35%
P #07	PVC - SDR 26	8"	100	243.98	243.48	0.50%
P #08	PVC - SDR 26	8"	74	243.28	241.40	2.55%
P #09	PVC - SDR 26	8"	323	241.20	237.00	1.30%
P #10	PVC - SDR 26	8"	140	254.80	249.12	4.05%
P #11	PVC - SDR 26	8"	104	248.92	246.09	2.73%
P #12	PVC - SDR 26	8"	111	245.89	242.70	2.88%
P #13	PVC - SDR 26	8"	105	242.50	241.65	0.81%
P #14	PVC - SDR 26	8"	170	236.80	232.74	2.38%
P #15	PVC - SDR 26	8"	257	232.54	226.35	2.41%
P #16	PVC - SDR 26	8"	116	256.00	251.12	4.20%
P #17	PVC - SDR 26	8"	307	258.47	251.12	2.40%
P #18	PVC - SDR 26	8"	268	250.92	249.58	0.50%
P #19	PVC - SDR 26	8"	201	249.38	248.37	0.50%
P #20	PVC - SDR 26	8"	136	248.17	247.49	0.50%
P #21	PVC - SDR 26	8"	76	247.29	246.92	0.50%
P #22	DIP	8"	333	267.83	266.17	0.50%
P #23	DIP	8"	171	265.97	265.11	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #24	PVC - SDR 26	8"	70	264.91	264.56	0.50%
P #25	PVC - SDR 26	8"	34	264.36	264.19	0.50%
P #26	PVC - SDR 26	8"	52	263.99	261.73	4.37%
P #27	PVC - SDR 26	8"	155	261.53	254.46	4.55%
P #28	PVC - SDR 26	8"	71	254.26	253.91	0.50%
P #29	PVC - SDR 26	8"	89	253.71	250.42	3.69%
P #30	PVC - SDR 26	8"	73	250.22	248.85	1.87%
P #31	PVC - SDR 26	8"	130	248.65	242.72	4.56%
P #32	PVC - SDR 26	8"	216	242.52	235.00	3.48%
P #33	PVC - SDR 26	8"	184	234.80	233.88	0.50%
P #34	PVC - SDR 26	8"	251	233.68	232.42	0.50%
P #35	PVC - SDR 26	8"	350	280.89	264.94	4.56%
P #36	PVC - SDR 26	8"	270	264.74	253.18	4.28%
P #37	PVC - SDR 26	8"	69	252.98	250.27	3.94%
P #38	PVC - SDR 26	8"	112	250.07	242.64	6.61%
P #39	DIP	8"	202	232.22	231.22	0.50%
P #40	DIP	8"	188	231.02	230.08	0.50%
P #41	DIP	8"	350	242.04	240.29	0.50%
P #42	DIP	8"	175	240.09	239.22	0.50%
P #43	PVC - SDR 26	8"	62	299.86	296.63	5.24%
P #44	PVC - SDR 26	8"	68	296.43	292.67	5.51%
P #45	PVC - SDR 26	8"	66	292.47	290.58	2.85%
P #46	PVC - SDR 26	8"	95	290.38	284.89	5.78%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #47	PVC - SDR 26	8"	287	284.69	276.41	2.88%
P #48	PVC - SDR 26	8"	228	276.21	268.60	3.33%
P #49	PVC - SDR 26	8"	239	268.40	261.23	3.00%
P #50	DIP	8"	276	229.88	228.49	0.50%
P #51	PVC - SDR 26	8"	124	290.00	283.50	5.24%
P #52	PVC - SDR 26	8"	38	283.30	280.80	6.51%
P #53	PVC - SDR 26	8"	104	280.60	274.25	6.12%
P #54	PVC - SDR 26	8"	60	274.05	270.26	6.31%
P #56	PVC - SDR 26	8"	159	270.06	262.85	4.54%
P #57	PVC - SDR 26	8"	205	272.90	262.85	4.92%
P #58	PVC - SDR 26	8"	205	262.65	256.88	2.82%
P #59	PVC - SDR 26	8"	123	272.69	269.07	2.94%
P #60	PVC - SDR 26	8"	56	268.87	265.04	6.80%
P #61	PVC - SDR 26	8"	176	264.84	256.88	4.52%
P #62	PVC - SDR 26	8"	64	256.68	255.16	2.37%
P #63	PVC - SDR 26	8"	120	254.96	247.43	6.29%
P #64	PVC - SDR 26	8"	156	247.23	246.45	0.50%
P #65	PVC - SDR 26	8"	19	246.25	246.15	0.50%
P #66	PVC - SDR 26	8"	220	257.45	245.87	5.27%
P #67	PVC - SDR 26	8"	104	248.55	245.87	2.58%
P #68	PVC - SDR 26	8"	294	245.67	237.95	2.63%
P #69	PVC - SDR 26	8"	97	241.53	237.95	3.68%
P #70	PVC - SDR 26	8"	23	237.63	237.75	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #71	PVC - SDR 26	8"	124	237.43	236.81	0.50%
P #72	PVC - SDR 26	8"	205	279.92	272.60	3.57%
P #73	PVC - SDR 26	8"	226	272.40	271.49	0.40%
P #74	PVC - SDR 26	8"	43	271.29	269.95	3.10%
P #75	PVC - SDR 26	8"	124	269.75	269.13	0.50%
P #76	PVC - SDR 26	8"	117	268.93	268.35	0.50%
P #77	PVC - SDR 26	8"	92	268.15	267.68	0.50%
P #78	PVC - SDR 26	8"	272	267.48	266.13	0.50%
P #79	PVC - SDR 26	8"	153	283.00	280.06	1.92%
P #80	PVC - SDR 26	8"	220	279.86	277.00	1.30%
P #81	PVC - SDR 26	8"	282	265.93	264.52	0.50%
P #82	PVC - SDR 26	8"	205	264.32	263.29	0.50%
P #83	PVC - SDR 26	8"	314	263.09	257.48	1.79%
P #84	PVC - SDR 26	8"	109	254.51	257.28	2.54%
P #85	PVC - SDR 26	8"	229	244.17	254.31	4.42%
P #86	PVC - SDR 26	8"	104	243.45	243.97	0.50%
P #87	DIP	8"	395	236.61	234.63	0.50%
P #88	DIP	8"	127	234.43	233.80	0.50%
P #89	DIP	8"	231	228.29	227.14	0.50%
P #90	DIP	8"	231	226.94	225.78	0.50%
P #91	PVC - SDR 26	8"	105	225.58	225.06	0.50%

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #01	4'	260.65		254.50 E	6.15
SSMH #02	4'	264.53	252.92 W	252.72 E	11.81
SSMH #03	4'	263.37	251.70 W	251.50 E	11.88
SSMH #04	4'	257.96	249.20 W	249.00 S	8.96
SSMH #05	4'	255.98	248.58 N	248.38 S	7.60
SSMH #06	4'	253.94	246.33 N	246.13 SW	7.81
SSMH #07	4'	252.07	244.18 NE	243.98 SW	8.09
SSMH #08	4'	249.81	243.48 NE	243.28 SW	6.54
SSMH #09	4'	248.87	241.40 NE	241.20 SW	7.67
SSMH #10	4'	261.19		254.80 S	6.39
SSMH #11	4'	256.90	249.12 N	248.92 S	7.97
SSMH #12	4'	253.78	246.09 N	245.89 S	7.89
SSMH #13	4'	250.39	242.70 N	242.50 SE	7.89
SSMH #14 INSIDE DROP MANHOLE	6'	247.34	237.00 NE 241.65 NW	236.80 SW	10.54
SSMH #15	4'	241.78	232.74 NE	232.54 SE	9.25
SSMH #16	4'	263.84		256.00 W	7.84
SSMH #17	4'	266.24		258.47 N	7.77
SSMH #18	4'	261.13	251.12 E 251.12 S	250.92 W	10.21
SSMH #19	5'	262.23	249.58 E	249.38 S	12.85
SSMH #20	4'	258.33	248.37 N	248.17 S	10.16
SSMH #21	4'	254.84	247.49 N	247.29 S	7.55
SSMH #22	4'	273.52		267.83 N	5.69
SSMH #23	6'	286.25	266.17 S	265.97 W	20.28

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #24	5'	278.53	265.11 E	264.91 S	13.62
SSMH #25	4'	274.36	264.56 N	264.36 SW	10.00
SSMH #26	4'	272.59	264.19 NE	263.99 SW	8.60
SSMH #27	4'	269.86	261.73 NE	261.53 SW	8.32
SSMH #28	4'	262.53	254.46 NE	254.26 W	8.26
SSMH #29	4'	260.70	253.91 E	253.71 W	6.99
SSMH #30	4'	258.46	250.42 E	250.22 NW	8.24
SSMH #31	4'	256.54	248.85 SE	248.65 NW	7.89
SSMH #32 INSIDE DROP MANHOLE	6'	252.63	242.72 SE 246.92 N	242.52 SW	10.11
SSMH #33	4'	245.22	235.00 NE	234.80 SW	10.42
SSMH #34	5'	247.75	233.88 NE	233.68 SW	14.08
SSMH #35	4'	290.09		280.89 N	9.20
SSMH #36	4'	273.24	264.94 S	264.74 N	8.50
SSMH #37	4'	260.24	253.18 S	252.98 N	7.26
SSMH #38	4'	256.96	250.27 S	250.07 NW	6.89
SSMH #39 INSIDE DROP MANHOLE	6'	252.73	232.42 NE 242.64 SE	232.22 SW	20.50
SSMH #40	6'	262.59	231.22 NE	231.02 SW	31.57
SSMH #41	4'	252.97		242.04 SW	10.92
SSMH #42	6'	263.75	240.29 NE	240.09 SE	23.66
SSMH #43	4'	305.52		299.86 W	5.66
SSMH #44	4'	303.33	296.63 E	296.43 NW	6.90
SSMH #45	4'	300.72	292.67 SE	292.47 N	8.25
SSMH #46	4'	297.68	290.58 S	290.38 N	7.30

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #47	4'	293.27	284.89 S	284.69 NW	8.58
SSMH #48	4'	284.11	276.41 SE	276.21 NW	7.90
SSMH #49	4'	276.71	268.60 SE	268.40 NW	8.31
SSMH #50 INSIDE DROP MANHOLE	6'	269.73	230.08 NE 261.23 SE 239.22 NW	229.88 SW	39.88
SSMH #51	4'	297.00		290.00 SW	7.00
SSMH #52	4'	290.58	283.50 NE	283.30 NW	7.28
SSMH #53	4'	288.17	280.80 SE	280.60 SW	7.57
SSMH #54	4'	282.80	274.25 NE	274.05 SW	8.75
SSMH #56	4'	280.09	270.26 NE	270.06 W	10.02
SSMH #57	4'	278.59		272.90 N	5.69
SSMH #58	4'	272.46	262.85 S 262.85 E	262.65 N	9.81
SSMH #59	4'	284.20		272.69 SW	11.52
SSMH #60	4'	277.24	269.07 NE	268.87 W	8.37
SSMH #61	4'	274.94	265.04 E	264.84 W	10.10
SSMH #62	4'	266.06	256.88 E 256.88 S	256.68 W	9.38
SSMH #63	4'	262.30	255.16 E	254.96 W	7.34
SSMH #64	4'	255.59	247.43 E	247.23 N	8.36
SSMH #65	4'	253.72	246.45 S	246.25 N	7.48
SSMH #66	4'	263.97		257.45 NW	6.52
SSMH #67	4'	254.40		248.55 SW	5.85
SSMH #68	4'	254.05	245.87 SE 245.87 NE	245.67 SW	8.38
SSMH #69	4'	247.76	237.95 SW 237.95 NE	237.75 SE	10.01
SSMH #70	4'	248.04		241.53 NE	6.51

SSMH TABLE					
SSMH NO	SIZE	TOP	INV. IN	INV. OUT	DEPTH
SSMH #71	4'	248.56	237.63 NW	237.43 S	11.13
SSMH #72	5'	287.23		279.92 E	7.31
SSMH #73	4'	281.18	272.60 W	272.40 E	8.78
SSMH #74	4'	279.04	271.49 W	271.29 NE	7.75
SSMH #75	4'	278.84	269.95 SW	269.75 NW	9.09
SSMH #76	4'	278.19	269.13 SE	268.93 NW	9.26
SSMH #77	4'	277.60	268.35 SE	268.15 W	9.45
SSMH #78	4'	277.26	267.68 E	267.48 W	9.78
SSMH #79	4'	290.25		283.00 N	7.27
SSMH #80	4'	287.75	280.06 S	279.86 N	7.89
SSMH #81 INSIDE DROP MANHOLE	6'	285.64	277.00 S 266.13 E	265.93 N	19.71
SSMH #82	5'	282.59	264.52 S	264.32 N	18.27
SSMH #83	5'	276.62	263.29 S	263.09 N	13.53
SSMH #84	4'	268.39	257.48 S	257.28 E	11.11
SSMH #85	4'	261.89	254.51 W	254.31 E	7.59
SSMH #86	4'	253.43	244.17 W	243.97 E	9.45
SSMH #87 INSIDE DROP MANHOLE	6'	253.52	243.45 W 246.15 S 236.81 N	236.61 E	16.91
SSMH #88	6'	268.02	234.63 W	234.43 NE	33.59
SSMH #89 INSIDE DROP MANHOLE	6'	271.92	228.49 NE 233.80 SW	228.29 NW	43.65
SSMH #90	6'	261.44	227.14 SE	226.94 NW	34.50
SSMH #91	6'	248.89	225.78 SE	225.58 W	23.31

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

SEWER TABLES

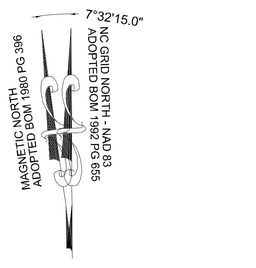
DRAWING
SHEET
C-6.9

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



LEGEND:

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



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)

1 inch = 200 ft.

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

RESERVE @ MITCHELL MILL

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

OVERALL GRADING AND DRAINAGE PLAN

DRAWING SHEET

C-7.0

24 OF 35

PROGRESS PLOT DATE: 08/01/2023

CHARLES E. FERRELL
AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM
AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

JONESVILLE RD

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

CHARLES ALFONSA JONES
AND
WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

ALESHIA FERRELL &
ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS
CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS
CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS
CHURCH #1
DB 9467 PG 430

ALICIA BROWN &
CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

PROPERTY LINE

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

STREET 'T'
50' PUBLIC R/W

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

20.0' PUBLIC DRAINAGE EASEMENT

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

COMMUNITY GARDEN

PARK #4
ACTIVE OPEN SPACE

FLOODZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

SCM #7
TOP: 236.00
WSE: 232.00
BOT: 228.00

SCM MAINTENANCE
EASEMENT

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007
PG 1224

MATCH LINE
FOR CONTINUATION, SEE C-7.4

MATCH LINE
FOR CONTINUATION, SEE C-7.3

FOR CONTINUATION, SEE C-7.2

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

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

SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
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DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

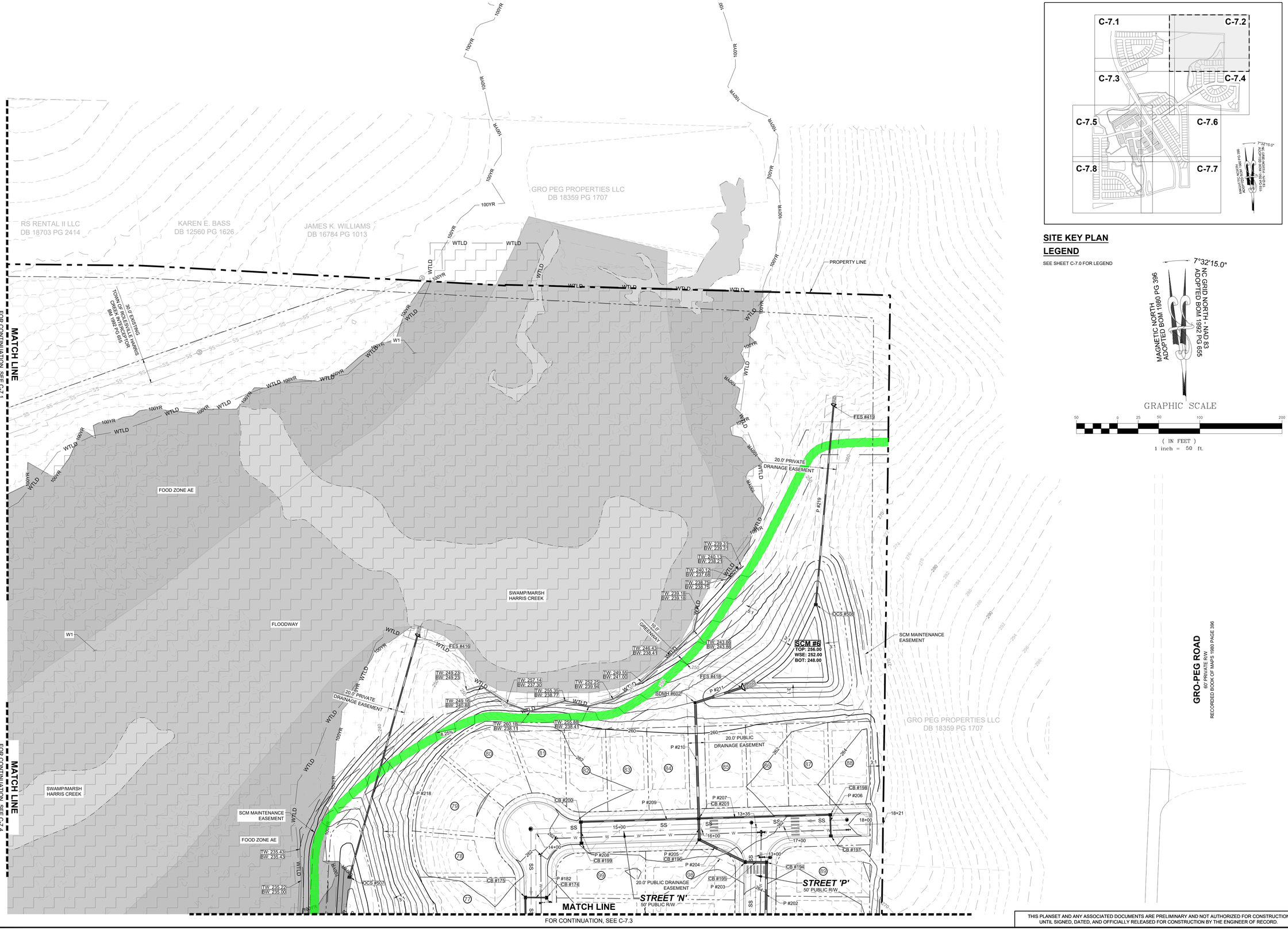
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PARTIAL GRADING AND DRAINAGE PLAN I

DRAWING SHEET
C-7.1

25 OF 35

PROGRESS PLOT DATE: 08/01/2023



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
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL:

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

PARTIAL GRADING AND DRAINAGE PLAN II

DRAWING SHEET

C-7.2

26 OF 35

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PROGRESS PLOT DATE: 08/01/2023

FOR CONTINUATION, SEE C-7.2

MATCH LINE

FOR CONTINUATION, SEE C-7.1

MATCH LINE

FOR CONTINUATION, SEE C-7.4

SWAMP/MARSH
HARRIS CREEK

FLOODWAY

FLOODZONE AE

0.2% ANNUAL CHANCE FLOOD HAZARD

SCM MAINTENANCE EASEMENT

10.0' GREENWAY

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

SCM #5
TOP: 241.00
WSE: 237.00
BOT: 233.00

OCS #501

INV OUT: 237.95

INV IN: 239.38

FES #415

FES #417

SDMH #602

SDMH #603

PERENNIAL STREAM E

30.0' STREAM BUFFER ZONE 1

20.0' STREAM BUFFER ZONE 2

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

STREET 'Q'
50' PUBLIC R/W

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

PARK #2
ACTIVE OPEN SPACE

PARK #3
ACTIVE OPEN SPACE

20.0' PUBLIC DRAINAGE EASEMENT

SCOTT & THERESA CARLE
DB 14863 PG 2493

PROPERTY LINE

DEED BOOK 10124 PAGE 2778
MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

MATCH LINE

FOR CONTINUATION, SEE C-7.6

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

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"

NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655

SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	REVISIONS	DATE	BY
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SEAL

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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

STRONG ROCK PROJECT

NOT FOR CONSTRUCTION

SCALE AS SHOWN

DESIGNED BY JWL

DRAWN BY SRG

CHECKED BY JWL

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

PARTIAL GRADING AND DRAINAGE PLAN III

DRAWING SHEET

C-7.3

27 OF 35

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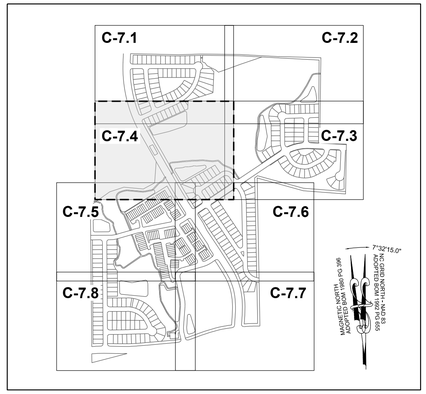
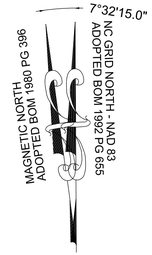
PROGRESS PLOT DATE: 08/01/2023



SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

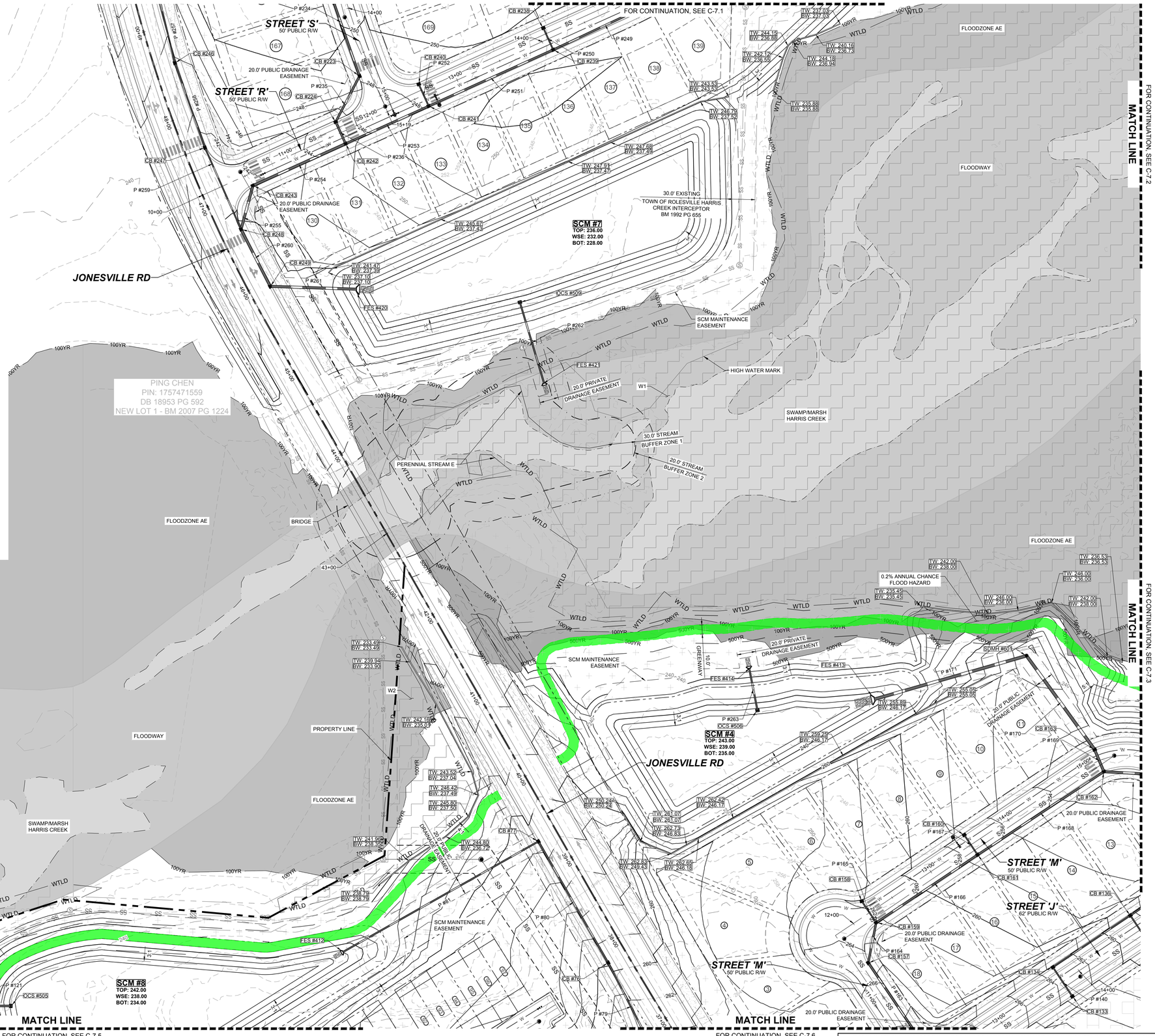


GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.


MATCH LINE
FOR CONTINUATION, SEE C-7.1
FOR CONTINUATION, SEE C-7.2
MATCH LINE
FOR CONTINUATION, SEE C-7.3
MATCH LINE
FOR CONTINUATION; SEE C-7.5
MATCH LINE
FOR CONTINUATION, SEE C-7.6
STREET 'S'
50' PUBLIC R/W
STREET 'R'
50' PUBLIC R/W
JONESVILLE RD
JONESVILLE RD
STREET 'M'
50' PUBLIC R/W
STREET 'M'
50' PUBLIC R/W
STREET 'J'
62' PUBLIC R/W
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
20.0' PRIVATE DRAINAGE EASEMENT
30.0' EXISTING TOWN OF ROLESVILLE HARRIS CREEK INTERCEPTOR BM 1992 PG 655
SCM MAINTENANCE EASEMENT
SCM MAINTENANCE EASEMENT
SCM MAINTENANCE EASEMENT
SCM #7
TOP: 236.00
WSE: 232.00
BOT: 228.00
SCM #4
TOP: 243.00
WSE: 239.00
BOT: 235.00
SCM #8
TOP: 242.00
WSE: 238.00
BOT: 234.00
PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007 PG 1224
PROPERTY LINE
FLOODZONE AE
FLOODWAY
SWAMP/MARSH
HARRIS CREEK
PERENNIAL STREAM E
HIGH WATER MARK
0.2% ANNUAL CHANCE FLOOD HAZARD
GREENWAY
BRIDGE
W1
W2
W3
100YR
500YR
WTLD
WTND
WSEL
SS
W
CB #238
CB #246
CB #223
CB #240
CB #239
CB #224
CB #241
CB #247
CB #242
CB #243
CB #248
CB #249
CB #77
CB #163
CB #162
CB #160
CB #167
CB #158
CB #161
CB #159
CB #157
CB #134
CB #133
FES #420
FES #421
FES #412
FES #413
FES #414
SDMH #601
OCS #509
OCS #505
OCS #506
P #234
P #235
P #236
P #237
P #238
P #239
P #240
P #241
P #242
P #243
P #244
P #245
P #246
P #247
P #248
P #249
P #250
P #251
P #252
P #253
P

PROGRESS PLOT DATE: 08/01/2023

MATCH LINE

FOR CONTINUATION, SEE C-7.4

MATCH LINE

FOR CONTINUATION, SEE C-7.6

MATCH LINE

FOR CONTINUATION, SEE C-7.7

MATCH LINE

FOR CONTINUATION, SEE C-7.8

PARK #6
ACTIVE OPEN SPACE

JERRI JO MASSEY &
TAMMY G. BUTLER
DB 8265 PG 202

FLOODWAY

SCM MAINTENANCE EASEMENT

SCM #8
TOP: 242.00
WSE: 238.00
BOT: 234.00

SCM #9
TOP: 259.00
WSE: 255.00
BOT: 251.00

20.0' PRIVATE DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

30.0' STREAM BUFFER ZONE 1

20.0' STREAM BUFFER ZONE 2

INTERMITTENT STREAM I

PERENNIAL STREAM G

INTERMITTENT STREAM J

HIGH WATER MARK

DRY POND

DESIGN DEVELOPMENT SUBJECT TO TEXT CHANGE TA-23-05

STREET 'A'
60' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

STREET 'D'
50' PUBLIC R/W

STREET 'I'
50' PUBLIC R/W

MEWS 'E'

MEWS 'G'

MEWS 'H'

MEWS 'U'

MEWS 'V'

MEWS 'W'

MEWS 'X'

MEWS 'Y'

JONESVILLE RD

SITE KEY PLAN

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

LEGEND

SEE SHEET C-7.0 FOR LEGEND

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

PARTIAL GRADING AND DRAINAGE PLAN V

DRAWING SHEET
C-7.5

29 OF 35

PROGRESS PLOT DATE: 08/01/2023

MATCH LINE
FOR CONTINUATION, SEE C-7.4

MATCH LINE
FOR CONTINUATION, SEE C-7.3

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.7

STREET 'M'
50' PUBLIC R/W

STREET 'I'
50' PUBLIC R/W

STREET 'K'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

STREET 'D'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

JONESVILLE RD

MEWS 'H'
MEWS 'E'
MEWS 'Y'
MEWS 'V'
MEWS 'X'
MEWS 'F'
MEWS 'W'

CLUB HOUSE

20.0' PRIVATE DRAINAGE EASEMENT
20.0' PUBLIC DRAINAGE EASEMENT
20.0' STREAM BUFFER ZONE 1
20.0' STREAM BUFFER ZONE 2

PROPERTY LINE

DEED BOOK 10124 PAGE 2778
MT. CALVARY HOLINESS CHURCH
OF WAKE CO. INC

WTLD

SITE KEY PLAN

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

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 95S

LEGEND

SEE SHEET C-7.0 FOR LEGEND

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

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SEAL

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

PARTIAL GRADING AND DRAINAGE PLAN VI

DRAWING SHEET
C-7.6

30 OF 35

PROGRESS PLOT DATE: 08/02/2023

MATCH LINE
FOR CONTINUATION, SEE C-7.5

MATCH LINE
FOR CONTINUATION, SEE C-7.8

STREET 'D'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

MEWS 'X'

STREET 'L'
50' PUBLIC R/W

JONESVILLE RD

20.0' PUBLIC DRAINAGE EASEMENT

10.0' GREENWAY

SCM #2
TOP: 275.00
WSE: 271.00
BOT: 267.00

SCM #3
TOP: 279.50
WSE: 275.50
BOT: 271.50

HIGH WATER MARK

INTERMITTENT STREAM G

30.0' STREAM BUFFER ZONE 1
20.0' STREAM BUFFER ZONE 2

SCM MAINTENANCE EASEMENT

PARK #1
ACTIVE OPEN SPACE

PROPERTY LINE

MITCHELL MILL RD.
60' PUBLIC R/W

PEEBLES RD.
60' PUBLIC R/W

GRO-PEG ROAD
60' PRIVATE R/W

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT
AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

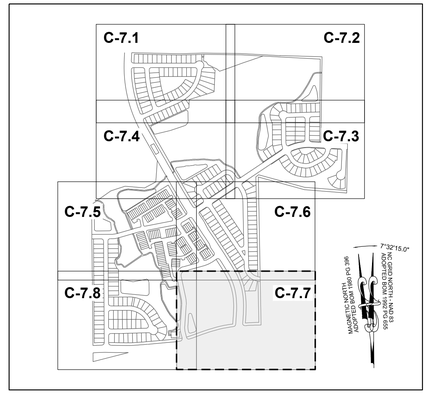
TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS
AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON
AND WIFE, KELLY GAITHER GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT
AND WIFE, JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

CECIL L. GOODNIGHT
AND WIFE, JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819



SITE KEY PLAN

LEGEND

SEE SHEET C-7.0 FOR LEGEND

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

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

PARTIAL GRADING AND DRAINAGE PLAN VII

DRAWING SHEET

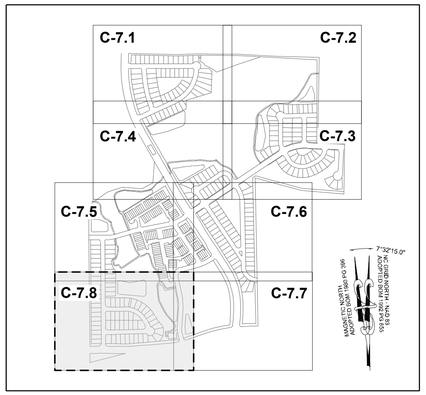
C-7.7

31 OF 35

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

PROGRESS PLOT DATE: 08/01/2023

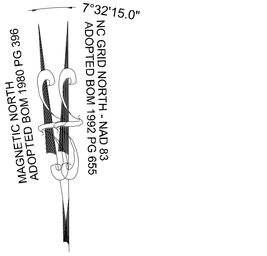
FOR CONTINUATION, SEE C-7.5



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.

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

PARTIAL GRADING AND DRAINAGE PLAN VIII

DRAWING SHEET

C-7.8

32 OF 35

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #01	RCP	15"	100	284.16	283.66	0.50%
P #02	RCP	15"	44	283.46	283.24	0.50%
P #03	RCP	15"	26	283.04	282.91	0.50%
P #04	RCP	18"	181	282.71	281.81	0.50%
P #05	RCP	15"	26	282.96	282.83	0.50%
P #06	RCP	24"	164	281.61	279.71	1.15%
P #07	RCP	15"	26	280.77	280.64	0.50%
P #08	RCP	24"	49	279.51	278.68	1.71%
P #09	RCP	24"	136	278.48	273.10	3.96%
P #10	RCP	30"	26	272.90	272.75	0.55%
P #11	RCP	30"	103	272.55	270.73	1.77%
P #12	RCP	15"	26	279.59	279.47	0.50%
P #13	RCP	15"	148	279.27	275.29	2.68%
P #14	RCP	15"	26	275.53	275.40	0.50%
P #15	RCP	18"	171	275.09	273.75	0.78%
P #16	RCP	15"	26	274.66	274.43	0.88%
P #17	RCP	24"	52	273.55	272.96	1.14%
P #18	RCP	24"	26	272.76	272.63	0.50%
P #19	RCP	30"	90	272.43	271.98	0.50%
P #20	RCP	18"	32	274.02	273.25	2.39%
P #21	RCP	18"	30	273.05	272.90	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #22	RCP	30"	102	271.78	271.27	0.50%
P #23	RCP	30"	109	271.07	270.53	0.50%
P #24	RCP	15"	26	272.58	271.45	4.40%
P #25	RCP	36"	168	270.33	267.00	1.98%
P #26	RCP	24"	76	263.00	261.00	2.63%
P #27	RCP	15"	26	278.28	278.16	0.50%
P #28	RCP	15"	150	277.96	273.84	2.75%
P #29	RCP	15"	26	273.91	273.78	0.50%
P #30	RCP	18"	150	273.64	269.26	2.92%
P #31	RCP	15"	26	269.54	269.41	0.50%
P #32	RCP	18"	191	269.06	263.23	3.06%
P #33	RCP	15"	44	265.79	263.86	4.36%
P #34	RCP	15"	26	263.66	263.54	0.50%
P #35	RCP	24"	44	263.03	259.30	8.44%
P #36	RCP	24"	26	259.10	258.98	0.50%
P #37	RCP	30"	69	258.78	255.00	5.48%
P #38	RCP	24"	78	251.00	249.00	2.58%
P #39	RCP	36"	82	238.42	234.47	4.79%
P #40	RCP	15"	178	274.93	270.25	2.63%
P #41	RCP	15"	139	270.05	265.84	3.04%
P #42	RCP	15"	119	274.61	267.36	6.08%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #43	RCP	15"	71	267.16	265.84	1.86%
P #44	RCP	18"	162	265.64	259.36	3.87%
P #45	RCP	18"	131	259.16	250.99	6.22%
P #46	RCP	18"	42	250.79	249.87	2.18%
P #47	RCP	24"	101	249.67	248.42	1.25%
P #48	RCP	24"	50	248.23	247.19	2.08%
P #49	RCP	15"	26	249.81	249.69	0.50%
P #50	RCP	15"	103	249.49	247.19	2.23%
P #51	RCP	30"	26	246.99	246.86	0.50%
P #52	RCP	30"	43	246.66	245.83	1.91%
P #53	RCP	30"	26	245.63	245.51	0.50%
P #54	RCP	15"	26	255.71	255.58	0.50%
P #55	RCP	15"	154	255.38	249.89	3.56%
P #56	RCP	15"	26	250.10	249.89	0.80%
P #57	RCP	18"	59	249.69	245.50	7.08%
P #58	RCP	30"	80	245.31	242.39	3.63%
P #59	RCP	30"	42	242.19	240.80	3.32%
P #60	RCP	15"	45	287.57	286.05	3.39%
P #61	RCP	15"	137	285.85	278.09	5.68%
P #62	RCP	15"	26	279.18	278.78	1.55%
P #63	RCP	18"	99	277.89	272.68	5.28%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #64	RCP	15"	47	274.16	272.68	3.16%
P #65	RCP	18"	152	272.48	263.14	6.15%
P #66	RCP	15"	26	263.78	263.65	0.50%
P #67	RCP	15"	60	263.45	263.14	0.50%
P #68	RCP	24"	97	262.94	257.79	5.29%
P #69	RCP	24"	80	257.59	254.54	3.84%
P #70	RCP	24"	110	254.34	249.17	4.71%
P #71	RCP	24"	39	248.97	247.88	2.83%
P #72	RCP	30"	141	247.68	243.09	3.25%
P #73	RCP	30"	104	242.89	240.80	2.02%
P #74	RCP	36"	140	240.60	238.00	1.85%
P #75	RCP	15"	150	291.44	280.22	7.51%
P #76	RCP	15"	150	280.02	271.41	5.72%
P #77	RCP	15"	86	271.21	266.25	5.74%
P #78	RCP	18"	97	266.05	261.71	4.47%
P #79	RCP	18"	150	261.51	254.51	4.66%
P #80	RCP	18"	150	254.31	246.04	5.50%
P #81	RCP	18"	240	245.84	240.00	2.43%
P #82	RCP	15"	135	307.91	297.29	7.86%
P #83	RCP	15"	148	297.09	288.80	5.60%
P #84	RCP	18"	71	288.60	287.48	1.58%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #85	RCP	18"	178	287.28	284.97	1.29%
P #86	RCP	18"	175	284.77	282.13	1.51%
P #87	RCP	18"	187	281.93	279.20	1.46%
P #88	RCP	24"	45	279.00	277.93	2.40%
P #89	RCP	24"	26	277.73	277.60	0.50%
P #90	RCP	15"	126	286.21	283.78	1.93%
P #91	RCP	15"	150	283.58	282.83	0.50%
P #92	RCP	15"	153	282.63	281.86	0.50%
P #93	RCP	15"	149	281.66	280.65	0.68%
P #94	RCP	18"	53	280.45	277.60	5.39%
P #95	RCP	24"	76	277.40	276.60	1.05%
P #96	RCP	15"	51	277.30	276.94	0.70%
P #97	RCP	15"	28	276.74	276.60	0.50%
P #98	RCP	24"	43	276.40	276.19	0.50%
P #99	RCP	24"	161	275.99	273.02	1.84%
P #100	RCP	15"	149	315.90	315.15	0.50%
P #101	RCP	15"	178	314.95	307.78	4.03%
P #102	RCP	18"	60	307.58	303.10	7.50%
P #103	RCP	15"	26	303.05	302.92	0.50%
P #104	RCP	18"	62	302.72	299.18	5.71%
P #105	RCP	18"	70	298.98	295.03	5.64%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #106	RCP	15"	30	296.29	295.30	3.25%
P #107	RCP	18"	145	294.83	285.59	6.37%
P #108	RCP	18"	26	286.08	285.95	0.50%
P #109	RCP	24"	129	285.39	277.99	5.73%
P #110	RCP	15"	26	279.22	279.09	0.50%
P #111	RCP	24"	52	277.79	276.60	2.28%
P #112	RCP	24"	28	276.41	276.27	0.50%
P #113	RCP	24"	118	276.07	275.48	0.50%
P #114	RCP	15"	26	276.39	276.26	0.50%
P #115	RCP	24"	136	275.28	274.60	0.50%
P #116	RCP	15"	26	275.49	275.36	0.50%
P #117	RCP	24"	171	274.40	272.94	0.85%
P #118	RCP	15"	26	274.43	273.82	2.31%
P #119	RCP	30"	38	272.74	271.00	4.63%
P #120	RCP	18"	173	274.00	272.82	0.68%
P #121	RCP	24"	65	234.00	233.00	1.55%
P #122	RCP	24"	65	267.00	264.00	4.63%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #123	RCP	15"	26	296.74	296.61	0.50%
P #124	RCP	15"	64	296.41	293.37	4.77%
P #125	RCP	18"	154	286.93	279.50	4.82%
P #126	RCP	15"	127	293.17	287.20	4.70%
P #127	RCP	15"	46	287.58	287.20	0.84%
P #128	RCP	24"	26	278.96	278.83	0.50%
P #129	RCP	24"	100	278.63	274.15	4.49%
P #130	RCP	15"	26	274.28	274.15	0.50%
P #131	RCP	24"	150	273.95	266.92	4.68%
P #132	RCP	15"	26	267.05	266.92	0.50%
P #133	RCP	24"	150	266.72	259.70	4.68%
P #134	RCP	15"	26	259.83	259.70	0.50%
P #135	RCP	24"	133	259.50	253.06	4.84%
P #136	RCP	15"	26	253.19	253.06	0.50%
P #137	RCP	24"	99	252.86	248.05	4.85%
P #138	RCP	15"	26	248.18	248.05	0.50%
P #139	RCP	24"	101	247.85	246.73	1.11%
P #140	RCP	15"	38	258.80	258.61	0.50%
P #141	RCP	15"	100	258.41	253.83	4.58%
P #142	RCP	15"	38	254.02	253.83	0.50%
P #143	RCP	18"	81	253.63	249.55	5.04%
P #144	RCP	18"	45	249.35	246.73	5.83%
P #145	RCP	30"	80	246.21	245.81	0.50%
P #146	RCP	30"	54	245.61	245.34	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #147	RCP	15"	26	283.28	283.15	0.50%
P #148	RCP	18"	100	282.95	279.80	3.15%
P #149	RCP	15"	26	280.20	280.07	0.50%
P #150	RCP	18"	150	279.60	274.98	3.08%
P #151	RCP	15"	26	275.11	274.98	0.50%
P #152	RCP	18"	150	274.78	270.16	3.08%
P #153	RCP	15"	26	270.29	270.16	0.50%
P #154	RCP	18"	145	269.96	265.51	3.07%
P #155	RCP	15"	26	265.64	265.51	0.50%
P #156	RCP	18"	44	265.31	263.73	3.60%
P #157	RCP	24"	38	263.28	263.09	0.50%
P #158	RCP	24"	40	262.89	262.69	0.50%
P #159	RCP	15"	39	268.54	267.87	1.71%
P #160	RCP	15"	104	267.67	265.77	1.82%
P #161	RCP	15"	36	265.57	263.86	4.75%
P #162	RCP	18"	27	263.66	263.40	0.99%
P #163	RCP	24"	89	262.49	259.55	3.31%
P #164	RCP	24"	44	259.35	256.67	6.08%
P #165	RCP	15"	28	256.80	256.67	0.50%
P #166	RCP	24"	131	256.47	251.91	3.48%
P #167	RCP	15"	26	252.04	251.91	0.50%
P #168	RCP	24"	162	251.71	245.34	3.92%
P #169	RCP	30"	26	245.14	245.02	0.50%
P #170	RCP	36"	124	244.82	244.19	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #171	RCP	36"	169	243.99	239.00	2.95%
P #172	RCP	15"	26	262.85	262.72	0.50%
P #173	RCP	15"	99	262.52	257.92	4.66%
P #174	RCP	15"	26	258.05	257.92	0.50%
P #175	RCP	18"	82	257.72	255.88	2.24%
P #176	RCP	18"	87	255.68	253.72	2.25%
P #177	RCP	15"	26	253.85	253.72	0.50%
P #178	RCP	18"	81	253.52	251.76	2.18%
P #179	RCP	24"	89	251.22	248.86	2.64%
P #180	RCP	15"	26	249.38	249.25	0.50%
P #181	RCP	24"	45	248.54	244.40	9.16%
P #182	RCP	15"	26	256.62	256.49	0.50%
P #183	RCP	15"	140	256.29	253.14	2.25%
P #184	RCP	15"	26	253.27	253.14	0.50%
P #185	RCP	18"	101	252.87	250.28	2.56%
P #186	RCP	15"	26	250.59	250.28	1.20%
P #187	RCP	24"	41	249.74	248.75	2.43%
P #188	RCP	24"	46	248.44	244.79	8.00%
P #189	RCP	24"	38	244.59	244.40	0.50%
P #190	RCP	30"	190	241.90	238.60	1.74%
P #191	RCP	15"	38	242.00	241.81	0.50%
P #192	RCP	15"	158	241.61	238.60	1.91%
P #193	RCP	30"	38	238.40	238.21	0.50%
P #194	RCP	30"	129	238.01	237.36	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #194 A	RCP	30"	33	237.16	237.00	0.50%
P #195	RCP	48"	119	239.38	237.95	1.20%
P #196	RCP	18"	143	271.15	263.60	5.29%
P #197	RCP	15"	38	263.85	263.66	0.50%
P #198	RCP	24"	43	263.46	261.10	5.48%
P #199	RCP	15"	26	261.23	261.10	0.50%
P #200	RCP	24"	152	260.90	260.14	0.50%
P #201	RCP	15"	26	260.27	260.14	0.50%
P #202	RCP	30"	91	259.94	256.67	3.60%
P #203	RCP	30"	26	256.47	256.34	0.50%
P #204	RCP	30"	62	256.14	254.38	2.84%
P #205	RCP	30"	26	254.18	254.05	0.50%
P #206	RCP	15"	26	258.75	258.62	0.50%
P #207	RCP	15"	160	258.40	254.05	2.72%
P #208	RCP	15"	26	257.08	256.95	0.50%
P #209	RCP	15"	143	256.75	254.05	1.88%
P #210	RCP	30"	141	253.85	252.75	0.79%
P #211	RCP	30"	59	252.30	252.00	0.50%
P #212	RCP	15"	26	279.09	278.96	0.50%
P #213	RCP	15"	117	278.69	273.03	4.85%
P #214	RCP	15"	26	273.19	273.03	0.62%
P #215	RCP	15"	99	272.83	268.42	4.47%
P #216	RCP	18"	70	268.22	263.00	7.44%
P #217	RCP	18"	70	262.80	257.26	7.94%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #218	RCP	18"	305	237.10	235.58	0.50%
P #219	RCP	18"	243	250.21	249.00	0.50%
P #220	RCP	15"	51	258.29	256.04	4.38%
P #221	RCP	15"	26	255.84	255.52	1.24%
P #222	RCP	15"	122	255.32	254.71	0.50%
P #223	RCP	15"	26	257.69	256.71	3.82%
P #224	RCP	18"	45	254.51	254.28	0.50%
P #225	RCP	15"	26	258.78	258.65	0.50%
P #226	RCP	15"	45	258.45	256.77	3.73%
P #227	RCP	15"	26	256.57	254.28	8.88%
P #228	RCP	18"	141	254.08	251.97	1.50%
P #229	RCP	15"	26	252.09	251.97	0.50%
P #230	RCP	24"	104	251.77	248.64	3.02%
P #231	RCP	15"	26	248.77	248.64	0.50%
P #232	RCP	24"	104	248.44	245.52	2.82%
P #233	RCP	15"	26	245.65	245.52	0.50%
P #234	RCP	24"	83	245.32	243.01	2.77%
P #235	RCP	24"	56	242.81	239.72	5.57%
P #236	RCP	24"	26	239.52	239.39	0.50%
P #237	RCP	15"	26	257.63	257.51	0.50%
P #238	RCP	15"	150	257.31	254.13	2.11%
P #239	RCP	15"	50	253.93	252.10	3.62%
P #240	RCP	18"	26	251.90	251.73	0.68%
P #241	RCP	18"	60	251.53	250.49	1.72%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #242	RCP	18"	92	250.29	248.50	1.95%
P #243	RCP	15"	26	248.63	248.50	0.50%
P #244	RCP	18"	87	248.30	246.62	1.94%
P #245	RCP	15"	26	246.75	246.62	0.50%
P #246	RCP	18"	82	246.42	244.83	1.92%
P #247	RCP	18"	85	244.63	243.79	0.99%
P #248	RCP	15"	26	244.17	244.04	0.50%
P #249	RCP	24"	124	243.36	242.74	0.50%
P #250	RCP	15"	26	244.74	244.54	0.79%
P #251	RCP	24"	147	242.54	241.81	0.50%
P #252	RCP	15"	26	243.77	243.61	0.62%
P #253	RCP	24"	98	241.61	239.39	2.27%
P #254	RCP	30"	109	239.19	235.63	3.26%
P #255	RCP	30"	49	235.43	233.24	4.49%
P #256	RCP	15"	156	250.17	244.18	3.85%
P #257	RCP	15"	201	243.98	238.83	2.55%
P #258	RCP	15"	96	238.63	236.66	2.05%
P #259	RCP	15"	96	236.46	233.24	3.35%
P #260	RCP	30"	69	233.04	232.66	0.56%
P #261	RCP	30"	92	232.46	232.00	0.50%
P #262	RCP	18"	90	232.01	231.56	0.50%
P #263	RCP	18"	46	237.81	237.58	0.50%

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

STORM DRAINAGE TABLES

DRAWING SHEET

C-7.9

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

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	288.60		284.16 E
CB #02	2' X 3'	290.60	283.66 W	283.46 NE
CB #03	2' X 3'	290.38	283.24 SW	283.04 E
CB #04	2' X 3'	290.38	282.91 W	282.71 N
CB #05	2' X 3'	287.39		282.96 E
CB #06	2' X 3'	287.40	281.81 S 282.83 W	281.61 N
CB #07	2' X 3'	285.20		280.77 E
CB #08	2' X 3'	285.20	279.71 S 280.64 W	279.51 NE
CB #09	2' X 3'	283.99	278.68 SW	278.48 E
CB #10	2' X 3'	278.69	273.10 W	272.90 N
CB #11	2' X 3'	278.54	272.75 S	272.55 E
CB #12	2' X 3'	284.03		279.59 N
CB #13	2' X 3'	284.01	279.47 S	279.27 E
CB #14	2' X 3'	279.97		275.53 N
CB #15	2' X 3'	279.97	275.29 W 275.40 S	275.09 E
CB #16	2' X 3'	279.09		274.66 N
CB #17	2' X 3'	278.86	273.75 W 274.43 S	273.55 NE
CB #18	2' X 3'	278.44	272.96 SW	272.76 NE
CB #19	2' X 3'	278.51	272.63 SW	272.43 NW
CB #20	2' X 3'	278.07	273.25 W	273.05 NE
CB #21	2' X 3'	277.99	271.98 SE 272.90 SW	271.78 NW
CB #22	2' X 3'	277.51	271.27 SE	271.07 W
CB #23	2' X 3'	277.02		272.58 N
CB #24	2' X 3'	277.03	271.45 S 270.73 W 270.53 E	270.33 N
CB #25	2' X 3'	282.72		278.28 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #26	2' X 3'	282.72	278.16 W	277.96 N
CB #27	2' X 3'	278.35		273.91 E
CB #28	2' X 3'	278.35	273.84 S 273.78 W	273.64 N
CB #29	2' X 3'	273.97		269.54 E
CB #30	2' X 3'	273.97	269.26 S 269.41 W	269.06 N
CB #31	2' X 3'	270.35		265.79 SE
CB #32	2' X 3'	268.41	263.86 NW	263.66 E
CB #33	2' X 3'	268.28	263.23 S 263.54 W	263.03 NE
CB #34	2' X 3'	265.15	259.30 SW	259.10 N
CB #35	2' X 3'	265.12	258.98 S	258.78 N
CB #36	2' X 3'	279.37		274.93 N
CB #37	2' X 3'	274.69	270.25 S	270.05 N
CB #38	2' X 3'	279.05		274.61 W
CB #39	2' X 3'	273.07	267.36 E	267.16 NW
CB #40	2' X 3'	270.35	265.84 S 265.84 SE	265.64 N
CB #41	2' X 3'	264.57	259.36 S	259.16 W
CB #42	2' X 3'	257.06	250.99 E	250.79 W
CB #43	2' X 3'	254.92	249.87 E	249.67 N
CB #44	2' X 3'	253.68	248.42 S	248.23 W
CB #45	2' X 3'	254.25		249.81 S
CB #46	2' X 3'	254.24	249.69 N	249.49 E
CB #47	2' X 3'	252.78	247.19 W 247.19 E	246.99 N
CB #48	2' X 3'	252.78	246.86 S	246.66 NE
CB #49	2' X 3'	251.68	245.83 SW	245.63 E
CB #50	2' X 3'	260.15		255.71 N

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #51	2' X 3'	260.15	255.58 S	255.38 W
CB #52	2' X 3'	254.58		250.10 N
CB #53	2' X 3'	254.45	249.89 S 249.89 E	249.69 W
CB #54	2' X 3'	251.73	245.51 W 245.50 E	245.31 N
CB #55	2' X 3'	248.18	242.39 S	242.19 N
CB #56	2' X 3'	292.01		287.57 SW
CB #57	2' X 3'	290.81	286.05 NE	285.85 NW
CB #58	2' X 3'	283.04		279.18 SW
CB #59	2' X 3'	283.03	278.09 SE 278.78 NE	277.89 NW
CB #60	2' X 3'	278.60		274.16 SW
CB #61	2' X 3'	277.49	272.68 SE 272.68 NE	272.48 NW
CB #62	2' X 3'	268.21		263.78 SE
CB #63	2' X 3'	268.25	263.65 NW	263.45 SW
CB #64	2' X 3'	269.36	263.14 SE 263.14 NE	262.94 NW
CB #65	2' X 3'	263.22	257.79 SE	257.59 NW
CB #66	2' X 3'	259.85	254.54 SE	254.34 NW
CB #67	2' X 3'	254.67	249.17 SE	248.97 NW
CB #68	2' X 3'	253.47	247.88 SE	247.68 SW
CB #69	2' X 3'	248.95	243.09 NE	242.89 SW
CB #70	2' X 3'	247.23	240.80 NE 240.80 S	240.60 NW
CB #71	2' X 3'	295.88		291.44 NW
CB #72	2' X 3'	285.18	280.22 SE	280.02 NW
CB #73	2' X 3'	276.09	271.41 SE	271.21 NW
CB #74	2' X 3'	270.92	266.25 SE	266.05 NW
CB #75	2' X 3'	266.45	261.71 SE	261.51 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #76	2' X 3'	259.34	254.51 SE	254.31 NW
CB #77	2' X 3'	250.87	246.04 SE	245.84 SW
CB #78	2' X 3'	312.36		307.91 S
CB #79	2' X 3'	302.05	297.29 N	297.09 S
CB #80	2' X 3'	293.35	288.80 N	288.60 W
CB #81	2' X 3'	292.18	287.48 E	287.28 W
CB #82	2' X 3'	289.76	284.97 E	284.77 W
CB #83	2' X 3'	286.84	282.13 E	281.93 W
CB #84	2' X 3'	285.21	279.20 E	279.00 NW
CB #85	2' X 3'	284.05	277.93 SE	277.73 W
CB #86	2' X 3'	290.64		286.21 E
CB #87	2' X 3'	289.64	283.78 W	283.58 E
CB #88	2' X 3'	289.36	282.83 W	282.63 E
CB #89	2' X 3'	286.88	281.86 W	281.66 E
CB #90	2' X 3'	285.44	280.65 W	280.45 NE
CB #91	2' X 3'	284.09	277.60 E 277.60 SW	277.40 N
CB #92	2' X 3'	281.76		277.30 N
CB #93	2' X 3'	282.07	276.94 S	276.74 E
CB #94	2' X 3'	282.52	276.60 S 276.60 W	276.40 N
CB #95	2' X 3'	281.63	276.19 S	275.99 N
CB #96	2' X 3'	320.33		315.90 NW
CB #97	2' X 3'	319.68	315.15 SE	314.95 NW
CB #98	2' X 3'	313.86	307.78 SE	307.58 W
CB #99	2' X 3'	307.48		303.05 SE
CB #100	2' X 3'	307.88	302.92 NW 303.10 E	302.72 SW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #101	2' X 3'	303.88	299.18 NE	298.98 SW
CB #102	2' X 3'	300.72		296.29 S
CB #103	2' X 3'	299.77	295.03 NE 295.30 N	294.83 W
CB #104	2' X 3'	291.12		286.08 S
CB #105	2' X 3'	290.75	285.95 N 285.59 E	285.39 W
CB #106	2' X 3'	283.66		279.22 SE
CB #107	2' X 3'	283.63	277.99 E 279.09 NW	277.79 SW
CB #108	2' X 3'	281.89	276.60 NE	276.41 SW
CB #109	2' X 3'	281.70	276.27 NE	276.07 S
CB #110	2' X 3'	280.82		276.39 W
CB #111	2' X 3'	280.94	275.48 N 276.26 E	275.28 S
CB #112	2' X 3'	279.93		275.49 W
CB #113	2' X 3'	279.95	274.60 N 275.36 E	274.40 S
CB #114	2' X 3'	278.82		274.43 W
CB #115	2' X 3'	278.85	273.02 S 272.94 N 273.82 E	272.74 W
CB #116	2' X 3'	301.17		296.74 NE
CB #117	2' X 3'	301.17	296.61 SW	296.41 NW
CB #118	2' X 3'	297.85	293.37 SE	293.17 N
CB #119	2' X 3'	292.74		287.58 NE
CB #120	2' X 3'	291.63	287.20 S 287.20 SW	286.93 N
CB #121	2' X 3'	284.22	279.50 S	278.96 W
CB #122	2' X 3'	284.21	278.83 E	278.63 N
CB #123	2' X 3'	279.40		274.28 W
CB #124	2' X 3'	279.40	274.15 E 274.15 S	273.95 N
CB #125	2' X 3'	272.17		267.05 W

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #401	36"	270.42		267.00 S
FES #402	24"	263.33		261.00 S
FES #403	30"	257.88		255.00 S
FES #404	24"	251.33		249.00 S
FES #405	36"	241.83	238.42 N	
FES #406	36"	237.89		234.47 S
FES #407	18"	274.61		272.82 E
FES #408	30"	273.88		271.00 E
FES #409	24"	266.33		264.00 E
FES #410	36"	241.42		238.00 SE
FES #411	24"	235.33		233.00 E
FES #412	18"	241.79		240.00 NE

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #413	36"	242.42		239.00 E
FES #414	18"	239.37		237.58 S
FES #415	30"	239.88		237.00 S
FES #416	18"	237.37		235.58 S
FES #417	18"	259.05		257.26 E
FES #418	30"	254.88		252.00 W
FES #419	18"	250.79		249.00 S
FES #420	30"	234.88		232.00 W
FES #421	18"	233.35		231.56 N
FES #422	48"	242.45		237.95 SE
FES #423	48"	243.88	239.38 NW	

OCS TABLE				
OCS NO	SIZE	TOP	INV. IN	INV. OUT
OCS #501	2' X 3'	268.50		263.00 N
OCS #502	2' X 3'	256.50		251.00 N
OCS #503	2' X 3'	277.00		274.00 W
OCS #504	2' X 3'	272.50		267.00 W
OCS #505	2' X 3'	239.50		234.00 W
OCS #506	2' X 3'	241.50		237.81 N
OCS #507	2' X 3'	240.00		237.10 N
OCS #508	2' X 3'	252.42		250.21 N
OCS #509	2' X 3'	233.72		232.01 S

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
SDMH #601	4'	257.43	244.19 SE	243.99 W
SDMH #602	4'	256.16	252.75 S	252.30 E
SDMH #603	4'	241.15	237.36 SE	237.16 N

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #301	2' X 3'	278.73		274.02 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #126	2' X 3'	272.17	266.92 E 266.92 S	266.72 N
CB #127	2' X 3'	264.95		259.83 W
CB #128	2' X 3'	264.95	259.70 E 259.70 S	259.50 N
CB #129	2' X 3'	258.37		253.19 W
CB #130	2' X 3'	258.37	253.06 E 253.06 S	252.86 NW
CB #131	2' X 3'	253.37		248.18 SW
CB #132	2' X 3'	253.38	248.05 NE 248.05 SE	247.85 NW
CB #133	2' X 3'	263.23		258.80 NW
CB #134	2' X 3'	263.23	258.61 SE	258.41 NE
CB #135	2' X 3'	258.27		254.02 NW
CB #136	2' X 3'	258.27	253.83 SW 253.83 SE	253.63 NE
CB #137	2' X 3'	254.26	249.55 SW	249.35 N
CB #138	2' X 3'	252.00	246.73 S 246.73 SE	246.21 NW
CB #139	2' X 3'	252.43	245.81 SE	245.61 W
CB #140	2' X 3'	287.87		283.28 NE
CB #141	2' X 3'	287.71	283.15 SW	282.95 NW
CB #142	2' X 3'	284.63		280.20 NE
CB #143	2' X 3'	284.63	280.07 SW 279.80 SE	279.60 NW
CB #144	2' X 3'	279.78		275.11 NE
CB #145	2' X 3'	279.78	274.98 SE 274.98 SW	274.78 NW
CB #146	2' X 3'	274.92		270.29 NE
CB #147	2' X 3'	274.92	270.16 SE 270.16 SW	269.96 NW
CB #148	2' X 3'	270.23		265.64 NE
CB #149	2' X 3'	270.23	265.51 SE 265.51 SW	265.31 N
CB #150	2' X 3'	268.53	263.73 S	263.28 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #151	2' X 3'	268.52	263.09 SE	262.89 W
CB #152	2' X 3'	272.97		268.54 NW
CB #153	2' X 3'	272.31	267.87 SE	267.67 NE
CB #154	2' X 3'	270.21	265.77 SW	265.57 N
CB #155	2' X 3'	268.39	263.86 S	263.66 NE
CB #156	2' X 3'	268.10	262.69 E 263.40 SW	262.49 NW
CB #157	2' X 3'	264.80	259.55 SE	259.35 N
CB #158	2' X 3'	261.64		256.80 SE
CB #159	2' X 3'	262.02	256.67 S 256.67 NW	256.47 NE
CB #160	2' X 3'	257.16		252.04 SE
CB #161	2' X 3'	257.16	251.91 SW 251.91 NW	251.71 NE
CB #162	2' X 3'	252.77	245.34 SW 245.34 E	245.14 NW
CB #163	2' X 3'	252.77	245.02 SE	244.82 NW
CB #164	2' X 3'	267.29		262.85 SE
CB #165	2' X 3'	267.30	262.72 NW	262.52 SW
CB #166	2' X 3'	262.81		258.05 SE
CB #167	2' X 3'	262.77	257.92 NW 257.92 NE	257.72 W
CB #168	2' X 3'	260.97	255.88 E	255.68 W
CB #169	2' X 3'	259.13		253.85 S
CB #170	2' X 3'	259.13	253.72 N 253.72 E	253.52 NW
CB #171	2' X 3'	257.45	251.76 SE	251.22 NW
CB #172	2' X 3'	255.63		249.38 SW
CB #173	2' X 3'	255.43	249.25 NE 248.86 SE	248.54 W
CB #174	2' X 3'	261.06		256.62 W
CB #175	2' X 3'	261.07	256.49 E	256.29 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #176	2' X 3'	257.58		253.27 W
CB #177	2' X 3'	257.58	253.14 E 253.14 N	252.87 S
CB #178	2' X 3'	254.99		250.59 W
CB #179	2' X 3'	254.99	250.28 N 250.28 E	249.74 S
CB #180	2' X 3'	254.01	248.75 N	248.44 S
CB #181	2' X 3'	251.86	244.79 N	244.59 SE
CB #182	2' X 3'	251.96	244.40 NW 244.40 E	241.90 SW
CB #183	2' X 3'	247.37		242.00 SE
CB #184	2' X 3'	247.37	241.81 NW	241.61 NE
CB #185	2' X 3'	246.65	238.60 NE 238.60 SW	238.40 NW
CB #186	2' X 3'	246.64	238.21 SE	238.01 NW
CB #187	2' X 3'	275.86		271.15 W
CB #188	2' X 3'	268.72		263.85 N
CB #189	2' X 3'	268.75	263.66 S 263.60 E	263.46 NW
CB #190	2' X 3'	266.81		261.23 E
CB #191	2' X 3'	266.81	261.10 SE 261.10 W	260.90 N
CB #192	2' X 3'	265.68		260.27 E
CB #193	2' X 3'	265.68	260.14 S 260.14 W	259.94 N
CB #194	2' X 3'	262.63	256.67 S	256.47 W
CB #195	2' X 3'	262.59	256.34 E	256.14 NW
CB #196	2' X 3'	260.31	254.38 SE	254.18 N
CB #197	2' X 3'	263.19		258.75 N
CB #198	2' X 3'	263.19	258.62 S	258.40 W
CB #199	2' X 3'	261.52		257.08 N
CB #200	2' X 3'	261.50	256.95 S	256.75 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #201	2' X 3'	260.30	254.05 W 254.05 E 254.05 S	253.85 N
CB #202	2' X 3'	283.53		279.09 W
CB #203	2' X 3'	283.40	278.96 E	278.69 S
CB #204	2' X 3'	277.63		273.19 W
CB #205	2' X 3'	277.63	273.03 E 273.03 N	272.83 S
CB #206	2' X 3'	274.33	268.42 N	268.22 SW
CB #207	2' X 3'	272.61	263.00 NE	262.80 W
CB #208	2' X 3'	262.75		258.29 SE
CB #209	2' X 3'	260.63	256.04 NW	255.84 S
CB #210	2' X 3'	259.96	255.52 N	255.32 E
CB #211	2' X 3'	262.13		257.69 S
CB #212	2' X 3'	262.11	254.71 W 256.71 N	254.51 SE
CB #213	2' X 3'	263.21		258.78 S
CB #214	2' X 3'	263.20	258.65 N	258.45 SW
CB #215	2' X 3'	261.33	256.77 NE	256.57 W
CB #216	2' X 3'	261.28	254.28 E 254.28 NW	254.08 S
CB #217	2' X 3'	257.06		252.09 W
CB #218	2' X 3'	257.02	251.97 E 251.97 N	251.77 S
CB #219	2' X 3'	253.94		248.77 W
CB #220	2' X 3'	253.90	248.64 E 248.64 N	248.44 S
CB #221	2' X 3'	250.80		245.65 W
CB #222	2' X 3'	250.77	245.52 E 245.52 N	245.32 S
CB #223	2' X 3'	248.26	243.01 N	242.81 SW
CB #224	2' X 3'	245.09	239.72 NE	239.52 SE
CB #225	2' X 3'	262.07		257.63 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #226	2' X 3'	262.07	257.51 N	257.31 E
CB #227	2' X 3'	258.56	254.13 W	253.93 SE
CB #228	2' X 3'	256.63	252.10 NW	251.90 E
CB #229	2' X 3'	256.44	251.73 W	251.53 S
CB #230	2' X 3'	255.19	250.49 N	250.29 S
CB #231	2' X 3'	253.21		248.63 SE
CB #232	2' X 3'	253.20	248.50 N 248.50 NW	248.30 SW
CB #233	2' X 3'	251.33		246.75 SE
CB #234	2' X 3'	251.33	246.62 NE 246.62 NW	246.42 SW
CB #235	2' X 3'	249.54	244.83 NE	244.63 SW
CB #236	2' X 3'	248.61		244.17 SE
CB #237	2' X 3'	248.61	243.79 NE 244.04 NW	243.36 SW
CB #238	2' X 3'	249.18		244.74 SE
CB #239	2' X 3'	249.18	242.74 NE 244.54 NW	242.54 SW
CB #240	2' X 3'	248.20		243.77 SE
CB #241	2' X 3'	248.13	241.81 NE 243.61 NW	241.61 SW
CB #242	2' X 3'	245.10	239.39 NW 239.39 NE	239.19 SW
CB #243	2' X 3'	241.42	235.63 NE	235.43 S
CB #244	2' X 3'	254.73		250.17 S
CB #245	2' X 3'	248.88	244.18 N	243.98 S
CB #246	2' X 3'	243.40	238.83 N	238.63 S
CB #247	2' X 3'	241.20	236.66 N	236.46 SE
CB #248	2' X 3'	239.18	233.24 N 233.24 NW	233.04 SE
CB #249	2' X 3'	238.72	232.66 NW	232.46 E

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

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STORM DRAINAGE TABLES

DRAWING SHEET

C-7.10

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PROGRESS PLOT DATE 08/01/2023

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DRAWING SHEET
C-8.0

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

PRESERVATION PLAN

STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

SEAL:



No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

OFFSITE SPOIL NOTE:

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

STAGE 1 SPECIFIC SEQUENCE:

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

STAGE 2 SPECIFIC SEQUENCE:

1. AFTER CONTRACTOR HAS COMPLETED ROUGH GRADING OPERATIONS:

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

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

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

EROSION CONTROL NARRATIVE:

1. THE PURPOSE OF THIS PLAN IS TO DEVELOP A 191 LOT RESIDENTIAL SUBDIVISION. LAND DISTURBANCE WILL BE KEPT TO THE MINIMUM AMOUNT NEEDED TO INSTALL THE INFRUSTRAUTRE, STORMWATER DEVICES AND ROUGH GRADED LOTS SHOWN ON THE PLANS.
2. EROSION SHALL BE CONTROLLED BY USING A COMBINATION OF TEMPORARY AND PERMANENT STABILIZATION MEASURES THROUGHOUT THE SITE. IN GENERAL STRIPPING OF VEGETATION, REGRADING OR OTHER DEVELOPMENT IS TO BE DONE IN SUCH A WAY THAT WILL MINIMIZE EROSION. EROSION AND SEDIMENT WILL BE CONTROLLED BY SILT FENCE, DIVERSION DITCHES, DAMS, SEDIMENT/SKIMMER BASINS, INLET AND OUTLET PROTECTION, SLOPE DRAINS AND EROSION CONTROLMATTING. CONSTRUCTION ENTRANCES WILL PROVIDE ACCESS TO THE SITE. THE AMOUNT OF DISTURBED AREA AND THE DURATION OF EXPOSURE WILL BE KEPT TO A PRACTICAL MINIMUM AND PERMANENT VEGETATION AND SCM'S WILL BE INSTALLED AS SOON AS POSSIBLE TO PREVENT EROSION.

EROSION CONTROL NOTES:

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

GENERAL SEQUENCE:

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

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

CONSTRUCTION SEQUENCE

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

LIMITS OF DISTURBANCE: 4,505,348 SF (103.43 AC)

REQUIRED TOWN OF KNIGHTDALE SCM BASIN REMOVAL SEQUENCE:

1. SCHEDULE A SITE MEETING WITH THE TOWN OF KNIGHTDALE EROSION CONTROL INSPECTOR TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
2. CONTACT NCDEQ – RALEIGH REGIONAL OFFICE (919) 791-4200 TO DETERMINE THE DIVISION OF ENERGY, MINERAL AND LAND RESOURCES CONTACT PERSON TO RECEIVE DEWATERING NOTIFICATIONS. AT LEAST 10 DAYS PRIOR TO BEGINNING DEWATERING ACTIVITY, SEND EMAIL TO NCDEQ-DEMLR CONTACT PERSON AND COPY ENVIRONMENTAL CONSULTANT THAT MET YOU ONSITE. THE EMAIL SHOULD INCLUDE E&SC JURISDICTION: TOWN OF KNIGHTDALE, TOK PROJECT: NAME, NUMBER, AND LOCATION (CITY/TOWN), ENVIRONMENTAL CONSULTANT NAME, AND ADDRESS THE FOLLOWING: A) REASON FOR CONVERSION, B) BASIN #, C) DEWATERING METHOD, AND D) ALL OTHER NECESSARY INFO FROM PART II, SECTION G, ITEM 4 OF THE NCG01. (KEEP EMAIL FOR YOUR NPDES MONITORING DOCUMENTATION.
3. AFTER RECEIVING POSITIVE CONFIRMATION FROM NCDEQ-DEMLR THAT YOU MAY REMOVE THE BASIN OR ON > DAY 11, WHICHEVER IS SOONER, REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
4. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ANCHOR ANY RESULTING BARE AREAS IMMEDIATELY USING NON-CLUMPING TURF GRASS (CENTIPEDE / HYBRID BERMUDA).
5. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
6. WHEN SITE IS FULLY STABILIZED, CALL EROSION CONTROL INSPECTOR FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION. NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE EROSION CONTROL INSPECTOR AND STORMWATER TECHNICIAN TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE.

TOK SCM PLANTING NOTES:

1. THE DAM STRUCTURE, INCLUDING FRONT AND BACK EMBANKMENT SLOPES, OF THE POND SHALL BE VEGETATED WITH NON-CLUMPING TURF GRASS OR SOD. (CENTIPEDE/HYBRID-BERMUDA) 90% GERMINATION OF NON-CLUMPING TURF WILL BE REQUIRED PRIOR TO FINAL CERTIFICATION FORM THE TOWN.
2. THE VEGETATED SHELF SHALL BE PLANTED WITH A MINIMUM OF THREE DIVERSE SPECIES OF HERBACEOUS, NATIVE VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 FEET OF SHELF AREA.
3. CONTRACTOR TO WORK WITH SOILS SCIENTIST TO ENSURE SOILS ARE ADEQUATE TO SUPPORT PROPER ESTABLISHMENT AND GROWTH OF THE AQUATIC PLANTINGS. CONTRACTOR TO AMEND SOILS AND INSTALL SOILS IN PLANT, SHRUB, AND TREE AREAS PER DETAILS, SOIL SPECIFICATIONS. NCDENR SPECIFICATION, AND SOIL SCIENTIST RECOMMENDATIONS.
4. ALL AQUATIC PLANTINGS ARE TO BE INSTALLED DURING THE APPROPRIATE TIME OF YEAR TO ENSURE SURVIVABILITY. (LAST SPRING FROST AND THE FIRST FALL FROST).
5. ALL DISTURBED AREAS AROUND THE OUTSIDE OF THE DEVICE SHALL BE SEEDED WITH A LAWN AREA SEED MIX (PER SEEDING SPECIFICATIONS) NATIVE GRASSES, LEGUMES, CLOVERS, AND WILDFLOWERS.
6. IF THE DEVICE WAS USED DURING CONSTRUCTION AS A SEDIMENT BASIN OR TRAP, THE BASIN MUST BE CLEANED OUT, GRADED, APPROPRIATE AREAS COVERED WITH 4" OF TOPSOIL AS SPECIFIED IN NOTE #2 ABOVE, AND VEGETATED WITHIN 14 DAYS OF THE COMPLETION OF CONSTRUCTION.
7. CONTRACTOR SHALL WATER ALL VEGETATION AND GRASS ON A WEEKLY BASIS AS NEEDED TO ENSURE GRASS AND PLANT SURVIVAL UNTIL AFTER THE SCM IS CERTIFIED AND ACCEPTED BY THE TOWN.

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK ENGINEERING GROUP

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

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

EROSION NOTES

DRAWING SHEET

C-8.0

PROGRESS PLOT DATE: 08/04/2023

LEGEND:

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

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

CHARLES E. FERRELL AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

HENRY ALSTON AND WIFE,
MARIE J. ALSTON
PIN: 1757481376
DB 3198 PG 631
BM 1982 PG 721

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007 PG 1224

CHARLES ALFONSA JONES
AND WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

BENJAMIN FERRELL
DB 1697 PG 465

ALESHIA FERRELL &
ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS
CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS CHURCH #1
DB 9467 PG 430

ALICIA BROWN & CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

KAREN E. BASS
DB 12560 PG 1626

JAMES K. WILLIAMS
DB 16784 PG 1013

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

PROPERTY LINE

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

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA CARLE
DB 14863 PG 2493

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

MOUNT CALVARY HOLINESS CHURCH
OF WAKE COUNTY, INC.
PIN: 1757660324
DB 10124 PG 2778
LOT 1 - BM 2002 PG 991

G.ARCHIE UNDERHILL, JR. AND WIFE,
TERESSA C. UNDERHILL
PIN: 1757653765
DB 8443 PG 2129
BM 1999 PG 1357

GENADIUS MAC PREDDY AND WIFE,
MATTIE F. PREDDY
PIN 1757656586
DB 1882 PG 342

GRO-PEG RD
60' PRIVATE R/W

JERRI JO MASSEY &
TAMMY G. BUTLER
DB 8265 PG 202

MEGAN KULAWIAK
DEED BOOK 16226
PAGE 1133

MARCIE L. HOLDEN
DEED BOOK 15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK 9236 PAGE 2229

HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

NICHOLAS JAMES PIGNATTI AND,
HOLLY BETH NIEDERHOFER
PIN: 1757355367
DB 17247 PG 2571
LOT 1 - BM 2009 PG 353

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE,
CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL
HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS AND
SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON
AND WIFE, KELLY GAITHER
GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE,
JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

CECIL L. GOODNIGHT AND WIFE,
JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

JONESVILLE RD
MITCHELL MILL RD
60' PUBLIC R/W
PEEBLES RD
60' PUBLIC R/W

SB #1 SB #2 SB #3 SB #4 SB #5 SB #6 SB #7 SB #8 SB #9

DIVERSION DITCH #1 DIVERSION DITCH #2 DIVERSION DITCH #3 DIVERSION DITCH #3A DIVERSION DITCH #4 DIVERSION DITCH #5 DIVERSION DITCH #6 DIVERSION DITCH #7 DIVERSION DITCH #8 DIVERSION DITCH #9 DIVERSION DITCH #10 DIVERSION DITCH #10A DIVERSION DITCH #11 DIVERSION DITCH #12

SLOPE DRAIN #1 SLOPE DRAIN #2 SLOPE DRAIN #3 SLOPE DRAIN #4 SLOPE DRAIN #5 SLOPE DRAIN #6 SLOPE DRAIN #7 SLOPE DRAIN #8 SLOPE DRAIN #9 SLOPE DRAIN #10 SLOPE DRAIN #11 SLOPE DRAIN #12

DRY POND
RETAINING WALL (TYP.)
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
SILT FENCE OUTLET (TYP.)
SILT BAG (TYP.) TO BE EMPTIED AND REPLACED WHEN HALF FULL
OUTLET HOSE (TYP.)
PUMP (TYP.)
INTAKE HOSE (TYP.)
FES (TYP.)
OCS (TYP.)
SKIMMER DEVICE (TYP.)
DISSIPATOR PAD (TYP.)
CONSTRUCTION ENTRANCE (TYP.)
TEMPORARY CHECK DAM (TYP.)
LIMITS OF DISTURBANCE (TYP.)
HIGH WATER MARK
COIR BAFFLES (TYP.)
SWAMP/MARSH
HARRIS CREEK

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

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

0.2% ANNUAL CHANCE FLOOD HAZARD
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022

W1 W2 W3 W4 W5 W6

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

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

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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CHECKED BY	JWL

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

ESROSION CONTROL PLAN - OVERALL STAGE 1

DRAWING / SHEET
C-8.1

36 OF 63

PROGRESS PLOT DATE: 08/04/2023

CHARLES E. FERRELL AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

BENJAMIN FERRELL
DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS CHURCH #1
DB 9467 PG 430

ALICIA BROWN & CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM
2007
PG 1224

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

CONSTRUCTION ENTRANCE (TYP.)

PROPERTY LINE

TEMPORARY CHECK DAM (TYP.)

DIVERSION DITCH #12

DIVERSION DITCH #11

SLOPE DRAIN #11

SLOPE DRAIN #12

DISSIPATOR PAD (TYP.)

COIR BAFFLES (TYP.)

SB #7

W1

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

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

SWAMP/MARSH
HARRIS CREEK

MATCH LINE
FOR CONTINUATION, SEE C-8.3

MATCH LINE
FOR CONTINUATION, SEE C-8.5

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

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

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

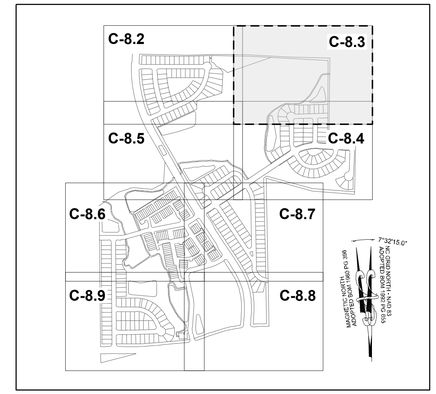
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.2

37 OF 63

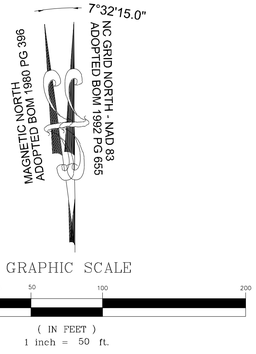




SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND



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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.3

38 OF 63

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PROGRESS PLOT DATE: 08/04/2023

MATCH LINE
FOR CONTINUATION, SEE C-8.3

MATCH LINE
FOR CONTINUATION, SEE C-8.5

SWAMP/MARSH
HARRIS CREEK

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

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

OUTLET HOSE (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

SB #5

OCS (TYP.)

SKIMMER DEVICE (TYP.)

SLOPE DRAIN #9

DISSIPATOR PAD (TYP.)

COIR BAFFLES (TYP.)

SLOPE DRAIN #8

DIVERSION DITCH #9

DIVERSION DITCH #10

DIVERSION DITCH #10A

SLOPE DRAIN #10

TEMPORARY CHECK DAM (TYP.)

SILT FENCE OUTLET (TYP.)

DIVERSION DITCH #8

DIVERSION DITCH #7

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

LIMIT OF DISTURBANCE (TYP.)

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

0.2% ANNUAL CHANCE FLOOD HAZARD
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

PROPERTY LINE

W1

W2

FOR CONTINUATION, SEE C-8.7

MATCH LINE

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND

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

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

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

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

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.4

39 OF 63

MATCH LINE
FOR CONTINUATION, SEE C-8.2

HENRY ALSTON AND WIFE, MARIE J. ALSTON
PIN: 1757481376
DB 3198 PG 631
BM 1982 PG 721

PING CHEN
PIN: 1757471559
DB 18953 PG 592
EW LOT 1 - BM 2007 PG 1224

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007 PG 1224

LIMIT OF DISTURBANCE (TYP.)
CONSTRUCTION ENTRANCE
24'
50'
DIVERSION DITCH #11
DIVERSION DITCH #12
SLOPE DRAIN #11
SLOPE DRAIN #12
DISSIPATOR PAD (TYP.)
COIR BAFFLES (TYP.)
SB #7
INTAKE HOSE (TYP.)
PUMP (TYP.)
SKIMMER DEVICE (TYP.)
OUTLET HOSE (TYP.)
SILT BAG (TYP.) TO THE EMPTIED AND REPLACED WHEN HALF FULL
OCS (TYP.)
FES (TYP.)
HIGH WATER MARK
JONESVILLE RD
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
SILT FENCE OUTLET (TYP.)
BRIDGE
SWAMP/MARSH HARRIS CREEK
FLOODWAY
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
FLOOD ZONE AE
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
0.2% ANNUAL CHANCE FLOOD HAZARD
FRIS MAP # 3720175700K
PANEL # 1757
EFFECTIVE DATE: 07/19/2022
W1
W2
SLOPE DRAIN #7
SB #4
DIVERSION DITCH #7
SLOPE DRAIN #6
DIVERSION DITCH #6
SB #8
PROPERTY LINE
FOR CONTINUATION, SEE C-8.6
FOR CONTINUATION, SEE C-8.7
MATCH LINE
MATCH LINE
FOR CONTINUATION, SEE C-8.4

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

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND

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

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.5

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PROGRESS PLOT DATE: 08/04/2023

MATCH LINE
FOR CONTINUATION, SEE C-8.4

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

SWAMP/MARSH
HARRIS CREEK

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

JERRI JO MASSEY &
TAMMY G. BUTLER
DB 8265 PG 202

MEGAN KULAWIAK
DEED BOOK 16226
PAGE 1133

PROPERTY LINE

LIMITS OF DISTURBANCE (TYP.)

CONSTRUCTION ENTRANCE (TYP.)

SLOPE DRAIN #6

SLOPE DRAIN #5

SLOPE DRAIN #4

SB #8

SB #9

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

FES (TYP.)

OUTLET HOSE (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

OCS (TYP.)

SKIMMER DEVICE (TYP.)

COIR BAFFLES (TYP.)

DISSIPATOR PAD (TYP.)

RETAINING WALL (TYP.)

SILT FENCE OUTLET (TYP.)

TEMPORARY CHECK DAM (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

DIVERSION DITCH #4

DIVERSION DITCH #5

DIVERSION DITCH #6

DRY POND

HIGH WATER MARK

W2 W3 W4 W6

MATCH LINE
FOR CONTINUATION, SEE C-8.7

MATCH LINE
FOR CONTINUATION, SEE C-8.9

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

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND

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

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DRAWN BY	SRG
CHECKED BY	JWL

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

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.6

41 OF 63

PROGRESS PLOT DATE: 08/04/2023

MATCH LINE
FOR CONTINUATION, SEE C-8.5

MATCH LINE
FOR CONTINUATION, SEE C-8.4

MATCH LINE
FOR CONTINUATION, SEE C-8.6

MATCH LINE
FOR CONTINUATION, SEE C-8.8

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

CONSTRUCTION ENTRANCE

DIVERSION DITCH #6

DIVERSION DITCH #7

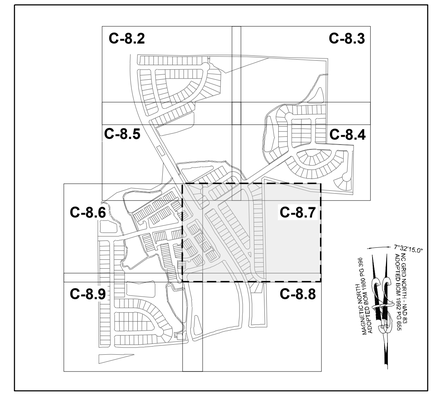
LIMITS OF DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

TEMPORARY CHECK DAM (TYP.)

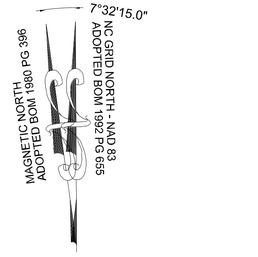
PROPERTY LINE



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.7

MATCH LINE
FOR CONTINUATION, SEE C-8.7

ABANDONED
TREE LINE
DIVERSION DITCH #3A
ABANDONED
SLOPE DRAIN #3
DIVERSION DITCH #3
OCS (TYP.)
SKIMMER DEVICE (TYP.)
COIR BAFFLES (TYP.)
DISSIPATOR PAD (TYP.)
SLOPE DRAIN #2
SB #3
DIVERSION DITCH #2
TEMPORARY CHECK DAM (TYP.)
LIMITS OF DISTURBANCE (TYP.)
CONSTRUCTION ENTRANCE (TYP.)
SILT FENCE OUTLET (TYP.)
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
PROPERTY LINE
LD
SF/LD
OHP

MATCH LINE
FOR CONTINUATION, SEE C-8.9

MOUNT CALVARY HOLINESS CHURCH OF WAKE COUNTY, INC.
PIN: 1757660324
DB 10124 PG 2778
LOT 1 - BM 2002 PG 991

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

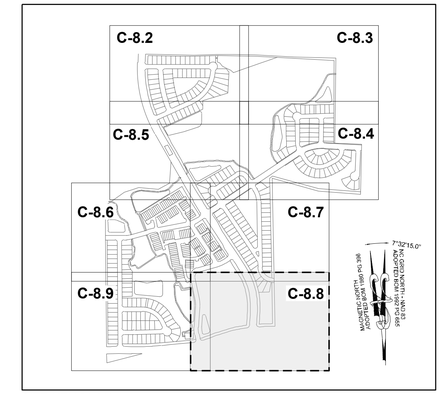
CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

PEEBLES RD
60' PUBLIC R/W



SITE KEY PLAN

NOTE:
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LEGEND:
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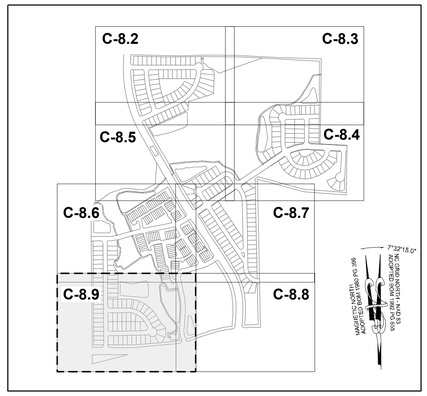
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.8

43 OF 63

PROGRESS PLOT DATE: 08/04/2023



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.1 FOR LEGEND

MATCH LINE
FOR CONTINUATION, SEE C-8.6

DIVERSION DITCH #4
DIVERSION DITCH #5
HIGH WATER MARK
COIR BAFFLES (TYP.)
SB #1
SLOPE DRAIN #1
OCS (TYP.)
SKIMMER DEVICE (TYP.)
FES (TYP.)
DISSIPATOR PAD (TYP.)
SILT BAG (TYP.) TO THE EMPTIED AND REPLACED WHEN HALF FULL
OUTLET HOSE (TYP.)
PUMP (TYP.)
INTAKE HOSE (TYP.)
SB #2
TEMPORARY CHECK DAM (TYP.)
DIVERSION DITCH #3A
SLOPE DRAIN #3
DIVERSION DITCH #3
RETAINING WALL (TYP.)
DIVERSION DITCH #1
SB #3

MARCIE L. HOLDEN
DEED BOOK 15599
PAGE 1003

BERNARD MILLER
DEED BOOK 15416
PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK 9236
PAGE 2229

PROPERTY LINE
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
SILT FENCE OUTLET (TYP.)

HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

NICHOLAS JAMES PIGNATTI AND, HOLLY BETH NIEDERHOFER
PIN: 1757355367
DB 17247 PG 2571
LOT 1 - BM 2009 PG 353

CONSTRUCTION ENTRANCE (TYP.)

MITCHELL MILL RD
60' PUBLIC R/W

LIMITS OF DISTURBANCE (TYP.)

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

MATCH LINE
FOR CONTINUATION, SEE C-8.8

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

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN - STAGE 1

DRAWING SHEET
C-8.9

44 OF 63

LEGEND:

- EXISTING ADJOINER PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- PROPOSED STORM DRAIN LINE
- PROPOSED LOT LINE
- SF/LD — SILT FENCE\ LIMITS OF DISTURBANCE
- LD — LD — LIMITS OF DISTURBANCE
- BAFFLES
- INLET PROTECTION
- PROPOSED FLARED END SECTION
- SILT FENCE OUTLET
- CONSTRUCTION ENTRANCE

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

CHARLES E. FERRELL AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

HENRY ALSTON AND WIFE,
MARIE J. ALSTON
PIN: 1757481376
DB 3198 PG 631
BM 1982 PG 721

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007 PG 1224

CHARLES ALFONSA JONES
AND WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

BENJAMIN FERRELL
DB 1697 PG 465

ALESHIA FERRELL &
ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS
CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS CHURCH #1
DB 9467 PG 430

ALICIA BROWN & CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

KAREN E. BASS
DB 12560 PG 1626

JAMES K. WILLIAMS
DB 16784 PG 1013

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

PROPERTY LINE

COMMUNITY GARDEN

STREET 'T'
50' PUBLIC R/W

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

PARK #4
ACTIVE OPEN SPACE

FLOODZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

SB #6

SB #7

SB #5

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA CARLE
DB 14863 PG 2493

PARK #2
ACTIVE OPEN SPACE

STREET 'J'
50' PUBLIC R/W

PARK #3
ACTIVE OPEN SPACE

STREET 'Q'
50' PUBLIC R/W

CONSTRUCTION
ENTRANCE (TYP.)

SILT FENCE/LIMITS OF
DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

HIGH WATER MARK

RETAINING WALL (TYP.)

COIR BAFFLES (TYP.)

OCS (TYP.)

FES (TYP.)

DISSIPATOR PAD (TYP.)

0.2% ANNUAL CHANCE
FLOOD HAZARD

BRIDGE

JONESVILLE RD

SB #4

STREET 'M'
50' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

LIMITS OF
DISTURBANCE (TYP.)

SB #8

PARK #6
ACTIVE OPEN SPACE

MEWS 'H'

CLUB HOUSE

STREET 'K'
50' PUBLIC R/W

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

JERRI JO MASSEY &
TAMMY G. BUTLER
DB 8265 PG 202

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

OUTLET HOSE (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

SKIMMER DEVICE (TYP.)

SB #9

STREET 'I'
50' PUBLIC R/W

MEGAN KULAWIAK
DEED BOOK 16226
PAGE 1133

MEWS 'E'

STREET 'D'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

MEWS 'Y'

MEWS 'U'

MEWS 'V'

MEWS 'F'

PARK #1
ACTIVE OPEN SPACE

DRY POND

STREET 'A'
50' PUBLIC R/W

MEWS 'X'

MEWS 'W'

TEMPORARY INLET
PROTECTION (TYP.)

CB (TYP.)

STREET 'C'
50' PUBLIC R/W

LOT 1 BLOCK A

MOUNT CALVARY HOLINESS CHURCH
OF WAKE COUNTY, INC.
PIN: 1757660324
DB 10124 PG 2778
LOT 1 - BM 2002 PG 991

G.ARCHIE UNDERHILL, JR. AND WIFE,
TERESSA C. UNDERHILL
PIN: 1757653765
DB 8443 PG 2129
BM 1999 PG 1357

GENADIUS MAC PREDDY AND WIFE,
MATTIE F. PREDDY
PIN 1757656586
DB 1882 PG 342

MARCIE L. HOLDEN
DEED BOOK 15599 PAGE 1003

BERNARD MILLER
DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF
DEED BOOK 9236 PAGE 2229

HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

NICHOLAS JAMES PIGNATTI AND,
HOLLY BETH NIEDERHOFER
PIN: 1757355367
DB 17247 PG 2571
LOT 1 - BM 2009 PG 353

SB #1

SB #2

SB #3

STREET 'B'
50' PUBLIC R/W

PARK #5
ACTIVE OPEN SPACE

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE,
CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL
HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS AND
SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON
AND WIFE, KELLY GAITHER
GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE,
JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

CECIL L. GOODNIGHT AND WIFE,
JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

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

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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

STRONG ROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

ESROSION CONTROL PLAN - OVERALL STAGE 2

DRAWING SHEET
C-8.10

PROGRESS PLOT DATE: 08/04/2023

CHARLES E. FERRELL AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

BENJAMIN FERRELL
DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS CHURCH #1
DB 9467 PG 430

ALICIA BROWN & CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

PROPERTY LINE

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

CONSTRUCTION ENTRANCE

STREET 'T'
50' PUBLIC R/W

CB (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

LIMITS OF DISTURBANCE (TYP.)

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

JONESVILLE RD

COMMUNITY GARDEN

PARK #4
ACTIVE OPEN SPACE

FLOODZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

COIR BAFFLES (TYP.)

SB #7

CONSTRUCTION ENTRANCE

MATCH LINE
FOR CONTINUATION, SEE C-8.12

MATCH LINE
FOR CONTINUATION, SEE C-8.14

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM
2007
PG 1224

C-8.11 | C-8.12
C-8.14 | C-8.13
C-8.15 | C-8.16
C-8.18 | C-8.17

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND

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

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No.	REVISIONS	DATE	BY
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SEAL

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

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.11

PROGRESS PLOT DATE: 08/04/2023

RS RENTAL II LLC
DB 18703 PG 2414

KAREN E. BASS
DB 12560 PG 1626

JAMES K. WILLIAMS
DB 16784 PG 1013

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

PROPERTY LINE

SWAMP/MARSH
HARRIS CREEK

FLOODZONE AE

FLOODWAY

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

OUTLET HOSE (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

DISSIPATOR PAD (TYP.)

FES (TYP.)

OCS (TYP.)

SKIMMER DEVICE (TYP.)

SB #6

COIR BAFFLES (TYP.)

RETAINING WALL (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

CB (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA CARLE
DB 14863 PG 2493

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

MATCH LINE
FOR CONTINUATION, SEE C-8.11

MATCH LINE
FOR CONTINUATION, SEE C-8.13

C-8.11 | C-8.12
C-8.14 | C-8.13
C-8.15 | C-8.16
C-8.18 | C-8.17

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

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

NOTE:
SEE SHEET C-8.10 FOR LEGEND

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No.	REVISIONS	DATE	BY
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STRONG ROCK PROJECT	
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.12

47 OF 63

PROGRESS PLOT DATE: 08/04/2023

MATCH LINE

FOR CONTINUATION, SEE C-8.12

FOR CONTINUATION, SEE C-8.14

MATCH LINE

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

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

SWAMP/MARSH HARRIS CREEK

FLOODWAY

OUTLET HOSE (TYP.)

OCS (TYP.)

PUMP (TYP.)

INTAKE HOSE (TYP.)

SKIMMER DEVICE (TYP.)

SB #5

COIR BAFFLES (TYP.)

DISSIPATOR PAD (TYP.)

FES (TYP.)

FLOODZONE AE

0.2% ANNUAL CHANCE FLOOD HAZARD

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

PARK #2
ACTIVE OPEN SPACE

PARK #3
ACTIVE OPEN SPACE

STREET 'Q'
50' PUBLIC R/W

RETAINING WALL (TYP.)

PROPERTY LINE

LIMITS OF DISTURBANCE (TYP.)

W1

W2

MT. CALVARY HOLINESS CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

MATCH LINE
FOR CONTINUATION, SEE C-8.16

C-8.11 C-8.12 C-8.13 C-8.14 C-8.15 C-8.16 C-8.17 C-8.18

SITE KEY PLAN

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 695
MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND

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

No.	REVISIONS	DATE	BY
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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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ENGINEERING GROUP

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6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.13

48 OF 63

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.

MATCH LINE
FOR CONTINUATION, SEE C-8.11

HENRY ALSTON AND WIFE, MARIE J. ALSTON
PIN: 1757481376
DB 3198 PG 631
BM 1982 PG 721

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007
PG 1224

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

CONSTRUCTION ENTRANCE

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

SB #7

HIGH WATER MARK

FLOODWAY

SWAMP/MARSH HARRIS CREEK

FLOODZONE AE

0.2% ANNUAL CHANCE FLOOD HAZARD

JONESVILLE RD

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

DISSIPATOR PAD (TYP.)

FES (TYP.)

OUTLET HOSE (TYP.)

OCS (TYP.)

RETAINING WALL (TYP.)

PUMP (TYP.)

SKIMMER DEVICE (TYP.)

INTAKE HOSE (TYP.)

SB #4

COIR BAFFLES (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

STREET 'M'
50' PUBLIC R/W

CB (TYP.)

STREET 'J'
62' PUBLIC R/W

LIMITS OF DISTURBANCE (TYP.)

SB #8

MATCH LINE
FOR CONTINUATION, SEE C-8.15

MATCH LINE
FOR CONTINUATION, SEE C-8.16

MATCH LINE
FOR CONTINUATION, SEE C-8.13

C-8.11 | C-8.12
C-8.14 | C-8.13
C-8.15 | C-8.16
C-8.18 | C-8.17

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.14

49 OF 63

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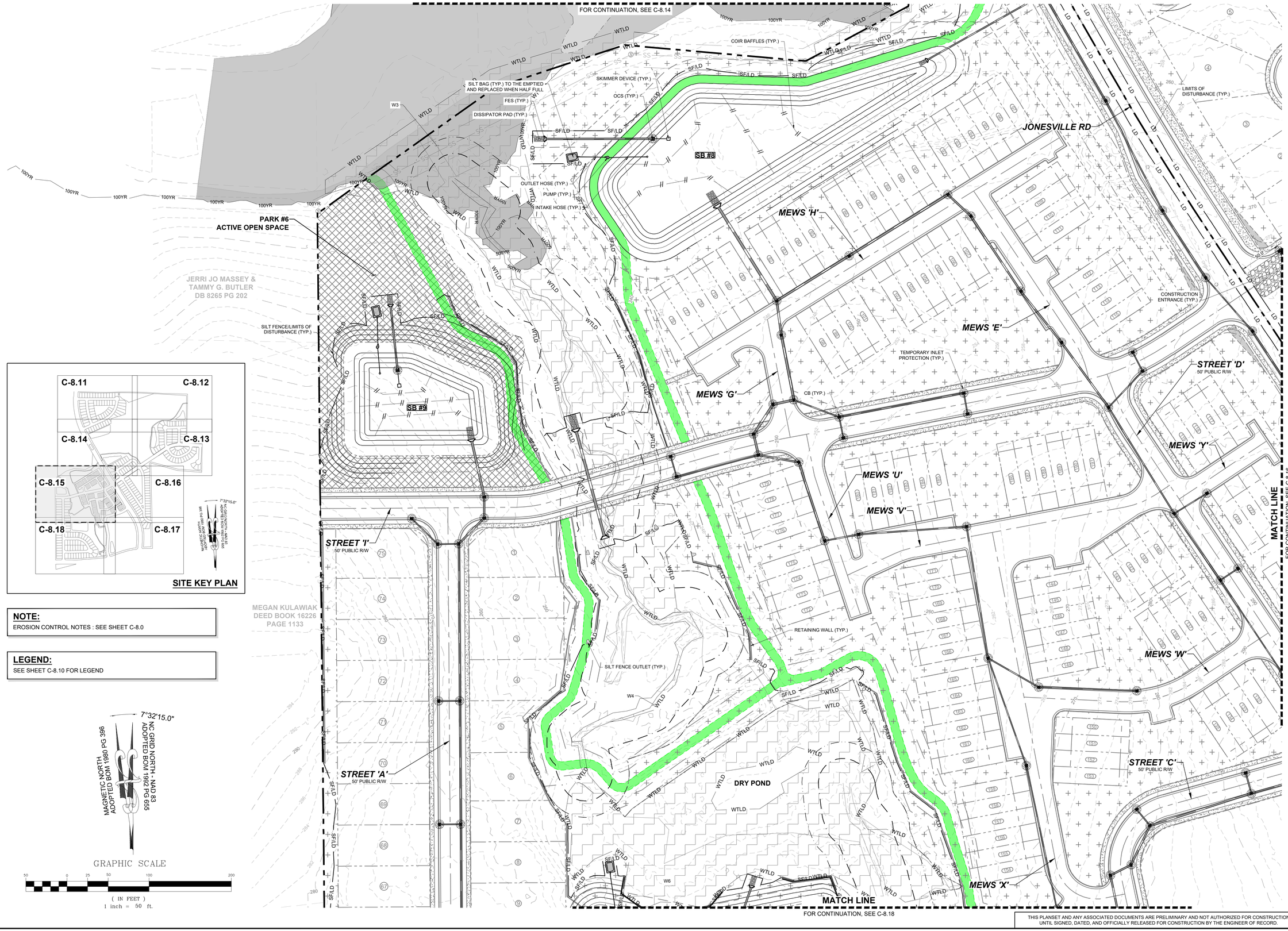
PROGRESS PLOT DATE: 08/04/2023



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	REVISIONS	DATE	BY
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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

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.15

50 OF 63

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

PROGRESS PLOT DATE: 08/04/2023

MATCH LINE
FOR CONTINUATION, SEE C-8.13

MATCH LINE
FOR CONTINUATION, SEE C-8.13

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

STREET 'M'
50' PUBLIC R/W

CLUB HOUSE

STREET 'K'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

CONSTRUCTION ENTRANCE

CB (TYP.)

STREET 'L'
50' PUBLIC R/W

STREET 'D'
50' PUBLIC R/W

TEMPORARY INLET PROTECTION (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

SILT FENCE OUTLET (TYP.)

MEWS 'Y'

LIMITS OF DISTURBANCE (TYP.)

JONESVILLE RD

MEWS 'W'

MEWS 'F'

STREET 'C'
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-8.15

MATCH LINE
FOR CONTINUATION, SEE C-8.17

C-8.11 | C-8.12
C-8.14 | C-8.13
C-8.15 | C-8.16
C-8.18 | C-8.17

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND

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

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

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No.	REVISIONS	DATE	BY
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT
SEAL

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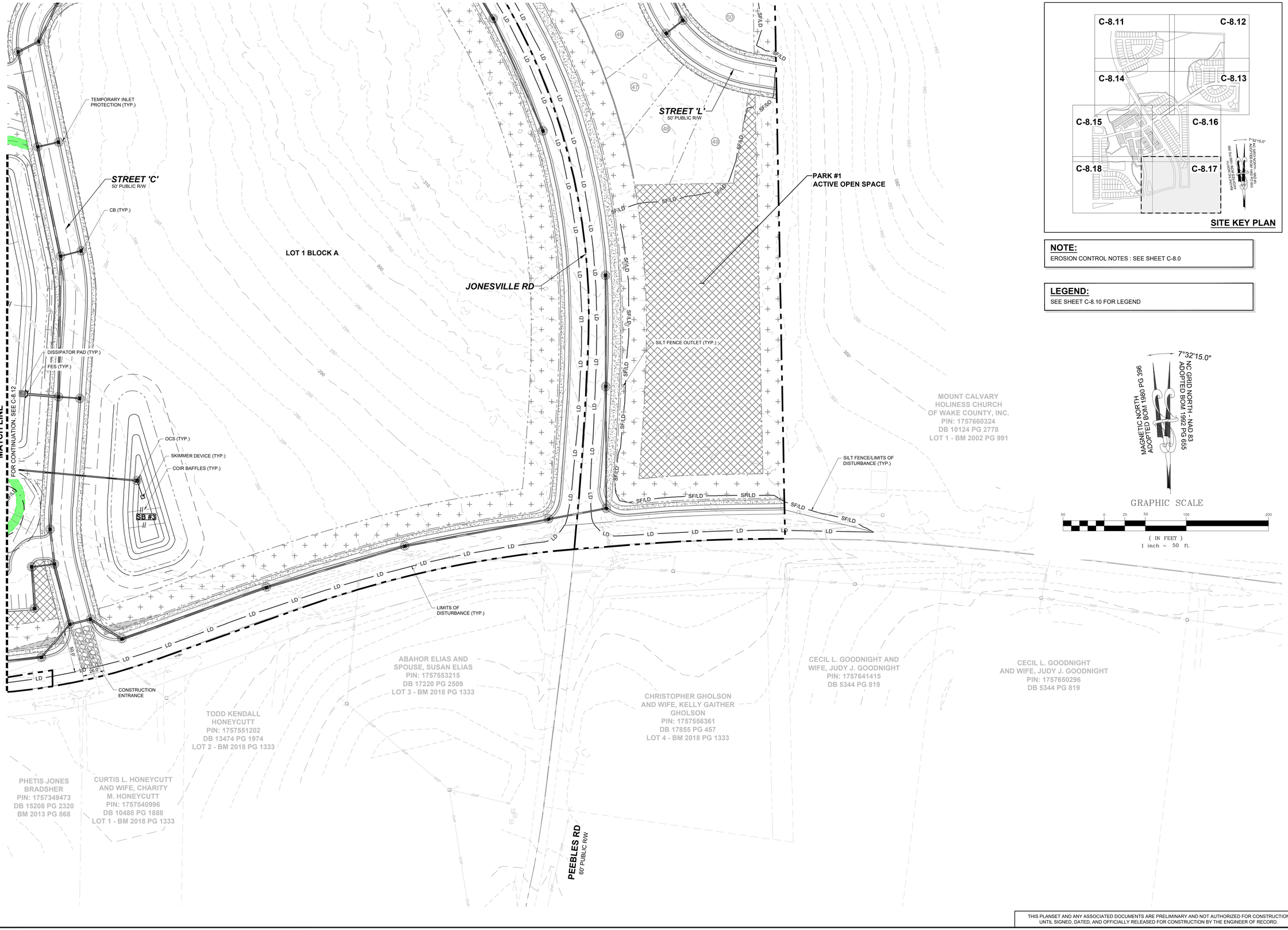
STRONG ROCK PROJECT	
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.16

51 OF 63



NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND

No.	REVISIONS	DATE	BY
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SEAL

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

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

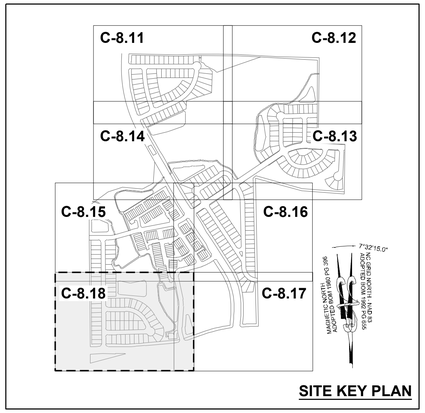
EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.17

52 OF 63

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

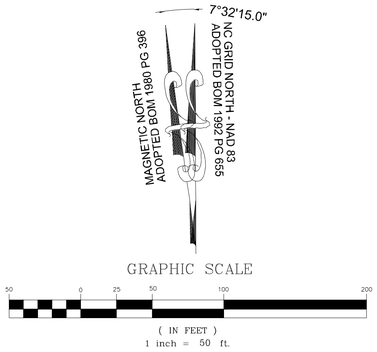
PROGRESS PLOT DATE: 08/04/2023



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.10 FOR LEGEND



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

EROSION CONTROL PLAN - STAGE 2

DRAWING SHEET
C-8.18

53 OF 63

LEGEND:

- EXISTING ADJOINER PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EX. MAJOR CONTOURS
- EX. MINOR CONTOURS
- PROPOSED STORM DRAIN LINE
- PROPOSED LOT LINE
- SF/LD — SF/LD — SILT FENCE\ LIMITS OF DISTURBANCE
- LD — LD — LIMITS OF DISTURBANCE
- INLET PROTECTION
- PROPOSED FLARED END SECTION
- SILT FENCE OUTLET

NOTE:

EROSION CONTROL NOTES : SEE SHEET C-8.0

CHARLES E. FERRELL AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

HENRY ALSTON AND WIFE,
MARIE J. ALSTON
PIN: 1757481376
DB 3198 PG 631
BM 1982 PG 721

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM 2007 PG 1224

CHARLES ALFONSA JONES
AND WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

BENJAMIN FERRELL
DB 1697 PG 465

ALESHIA FERRELL &
ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS
CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS CHURCH #1
DB 9467 PG 430

ALICIA BROWN & CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

KAREN E. BASS
DB 12560 PG 1626

JAMES K. WILLIAMS
DB 16784 PG 1013

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

GRO PEG PROPERTIES LLC
DB 18359 PG 1707

SCOTT & THERESA CARLE
DB 14863 PG 2493

JERRI JO MASSEY &
TAMMY G. BUTLER
DB 8265 PG 202

MEGAN KULAWIAK
DEED BOOK 16226
PAGE 1133

MARCIE L. HOLDEN
DEED BOOK 15599 PAGE 1003
BERNARD MILLER
DEED BOOK 15416 PAGE 1651
KENNETH S. TOUTLOFF
DEED BOOK 9236 PAGE 2229

HEATHER MARIE PERRY
PIN: 1757357582
DB 18954 PG 338
LOT 1 & 2 - BM 1990 PG 956

NICHOLAS JAMES PIGNATTI AND,
HOLLY BETH NIEDERHOFER
PIN: 1757355367
DB 17247 PG 2571
LOT 1 - BM 2009 PG 353

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE,
CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

TODD KENDALL
HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

ABAHOR ELIAS AND
SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON
AND WIFE, KELLY GAITHER
GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE,
JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

CECIL L. GOODNIGHT AND WIFE,
JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

MOUNT CALVARY HOLINESS CHURCH
OF WAKE COUNTY, INC.
PIN: 1757660324
DB 10124 PG 2778
LOT 1 - BM 2002 PG 991

G.ARCHIE UNDERHILL, JR. AND WIFE,
TERESSA C. UNDERHILL
PIN: 1757653765
DB 8443 PG 2129
BM 1999 PG 1357

GENADIUS MAC PREDDY AND WIFE,
MATTIE F. PREDDY
PIN 1757656586
DB 1882 PG 342

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

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

STREET 'T' 50' PUBLIC R/W
STREET 'S' 50' PUBLIC R/W
STREET 'R' 50' PUBLIC R/W
STREET 'N' 50' PUBLIC R/W
STREET 'P' 50' PUBLIC R/W
STREET 'J' 50' PUBLIC R/W
STREET 'Q' 50' PUBLIC R/W
STREET 'O' 50' PUBLIC R/W
STREET 'J' 62' PUBLIC R/W
STREET 'M' 50' PUBLIC R/W
STREET 'K' 50' PUBLIC R/W
STREET 'L' 50' PUBLIC R/W
STREET 'D' 50' PUBLIC R/W
STREET 'I' 50' PUBLIC R/W
STREET 'A' 50' PUBLIC R/W
STREET 'C' 50' PUBLIC R/W
STREET 'B' 50' PUBLIC R/W
JONESVILLE RD

COMMUNITY GARDEN
PARK #4 ACTIVE OPEN SPACE
PARK #6 ACTIVE OPEN SPACE
PARK #2 ACTIVE OPEN SPACE
PARK #3 ACTIVE OPEN SPACE
PARK #1 ACTIVE OPEN SPACE
PARK #5 ACTIVE OPEN SPACE
CLUB HOUSE
LOT 1 BLOCK A

SCM #1
SCM #2
SCM #3
SCM #4
SCM #5
SCM #6
SCM #7
SCM #8
SCM #9

MEWS 'H'
MEWS 'E'
MEWS 'U'
MEWS 'V'
MEWS 'X'
MEWS 'Y'
MEWS 'F'
MEWS 'W'

FLOODZONE AE
FLOODWAY
SWAMP/MARSH
HARRIS CREEK
0.2% ANNUAL CHANCE
FLOOD HAZARD
HIGH WATER MARK
BRIDGE
DRY POND
TEMPORARY INLET
PROTECTION (TYP.)
CB (TYP.)
PROPERTY LINE
DISSIPATOR PAD (TYP.)
FES (TYP.)
SILT BAG (TYP.) TO THE EMPTIED
AND REPLACED WHEN HALF FULL
OUTLET HOSE (TYP.)
PUMP (TYP.)
INTAKE HOSE (TYP.)
OCS (TYP.)
SKIMMER DEVICE (TYP.)
SILT FENCE OUTLET (TYP.)
SILT FENCE/LIMITS OF
DISTURBANCE (TYP.)
LIMITS OF DISTURBANCE (TYP.)

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

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

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

ESROSION CONTROL PLAN - OVERALL STAGE 3

DRAWING SHEET
C-8.19

PROGRESS PLOT DATE: 08/04/2023

CHARLES E. FERRELL AND WIFE
GRETTA LOUISE FERRELL
PIN: 1757481951
DB 1813 PG 421

ABRAHAM T. BURNHAM AND
KYLA L. BURNHAM
PIN: 1757481832
DB 19140 PG 734

JONESVILLE RD

JOE L. GREEN
PIN: 1757483799
BY WILL

ROZELIA J. HARTSFIELD HEIRS
PIN: 1757481740
BY WILL

CHARLES ALFONSA JONES AND WIFE ALLIE V. JONES
PIN: 1757484609
DB 2305 PG 673

BENJAMIN FERRELL
DB 1697 PG 465

ALESHIA FERRELL & ARRON WALKER
DB 6374 PG 89

CHRIST HOLINESS CHURCH #1
DB 2928 PG 328

CHRIST HOLINESS CHURCH #1
DB 4321 PG 788

CHRIST HOLINESS CHURCH #1
DB 9467 PG 430

ALICIA BROWN & CARL T. JONES
DB 16128 PG 183

RS RENTAL II LLC
DB 18703 PG 2414

PROPERTY LINE

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

UNIVERSAL CHURCH OF PRAYER
PIN: 1757388408
NO DEED FOUND
INCORRECT REFERENCE SHOWN
ON WAKE COUNTY GIS

STREET 'T'
50' PUBLIC R/W

COMMUNITY GARDEN

MATCH LINE
FOR CONTINUATION, SEE C-8.21

TEMPORARY INLET PROTECTION (TYP.)

CB (TYP.)

STREET 'S'
50' PUBLIC R/W

LIMITS OF DISTURBANCE (TYP.)

STREET 'R'
50' PUBLIC R/W

FLOODZONE AE

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

W1

PARK #4
ACTIVE OPEN SPACE

RETAINING WALL (TYP).

SWAMP/MARSH
HARRIS CREEK

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

SCM #7

MATCH LINE
FOR CONTINUATION, SEE C-8.23

MATCH LINE
FOR CONTINUATION, SEE C-8.22

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM
2007
PG 1224

C-8.20 | C-8.21
C-8.23 | C-8.22
C-8.24 | C-8.25
C-8.27 | C-8.26

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

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

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

No.	REVISIONS	DATE	BY
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STRONG ROCK PROJECT	
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DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

EROSION CONTROL PLAN - STAGE 3

DRAWING SHEET
C-8.20

55 OF 63

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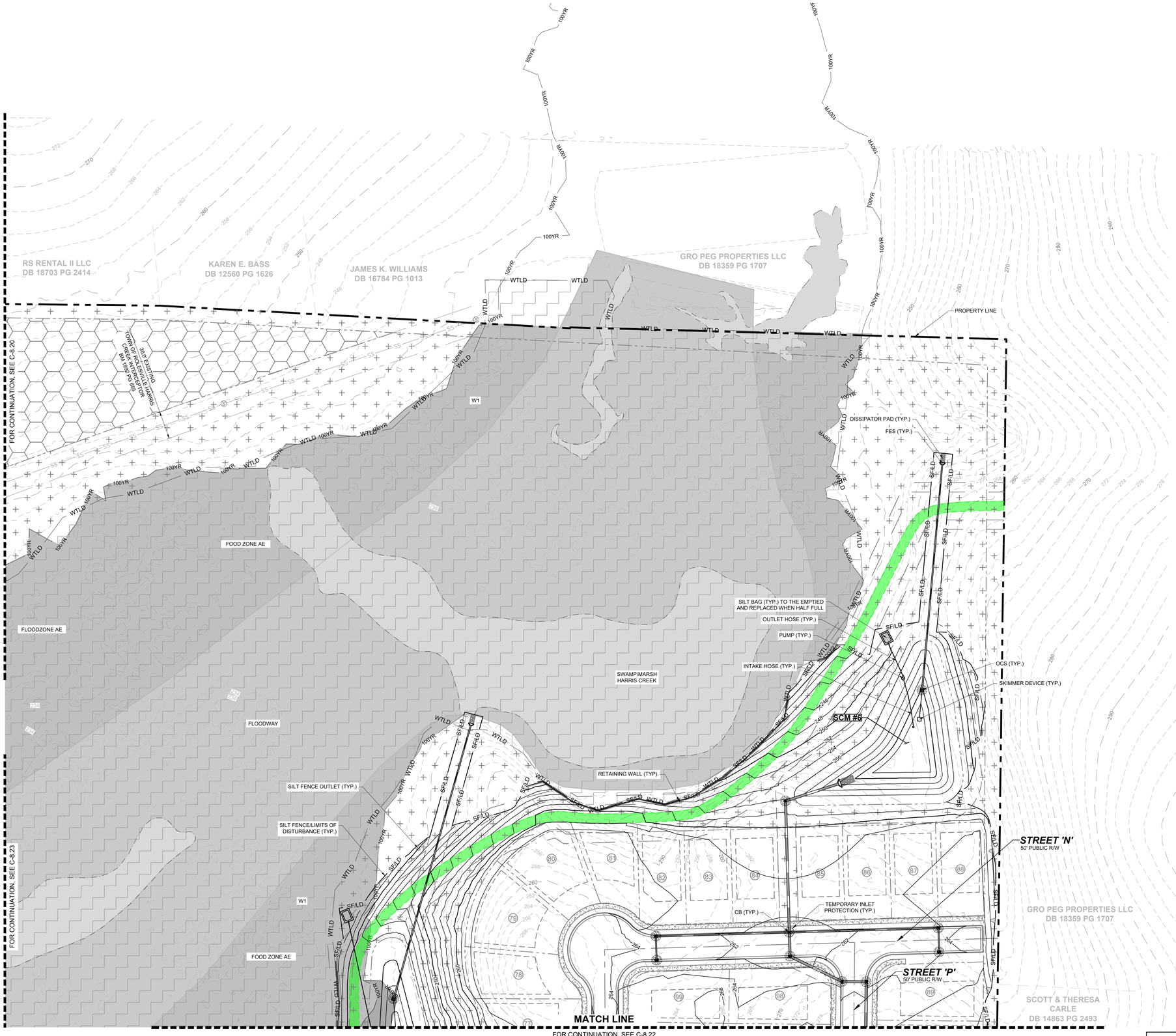
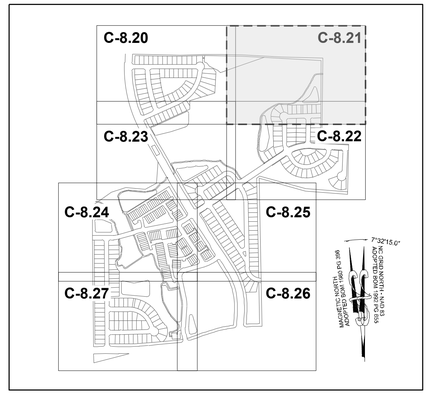
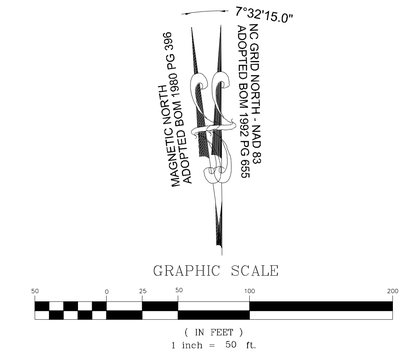




SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND



No.	REVISIONS	DATE	BY
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RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN - STAGE 3

DRAWING SHEET
C-8.21

56 OF 63

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PROGRESS PLOT DATE: 08/04/2023

MATCH LINE

FOR CONTINUATION, SEE C-8.21

MATCH LINE
FOR CONTINUATION, SEE C-8.23

SWAMP/MARSH
HARRIS CREEK

FLOODWAY

FLOODZONE AE

0.2% ANNUAL CHANCE
FLOOD HAZARD

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF
DISTURBANCE (TYP.)

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

OUTLET HOSE (TYP.)

OCS (TYP.)

W1

PUMP (TYP.)

INTAKE HOSE (TYP.)

SKIMMER DEVICE (TYP.)

SCM #5

CB (TYP.)

TEMPORARY INLET
PROTECTION (TYP.)

STREET 'N'
50' PUBLIC R/W

STREET 'P'
50' PUBLIC R/W

STREET 'O'
50' PUBLIC R/W

STREET 'J'
62' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

PARK #2
ACTIVE OPEN SPACE

RETAINING WALL (TYP.)

PARK #3
ACTIVE OPEN SPACE

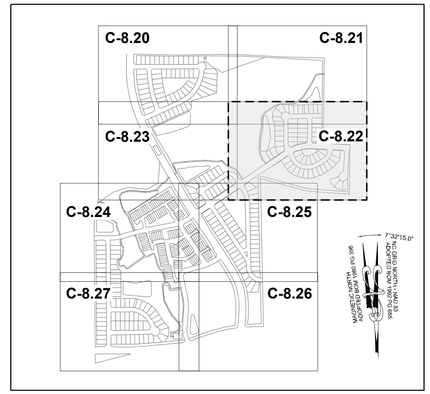
LIMITS OF DISTURBANCE (TYP.)

STREET 'Q'
50' PUBLIC R/W

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

GROVER ARCHIE UNDERHILL JR.
BOOK OF MAPS 1982 PAGE 581

MATCH LINE
FOR CONTINUATION, SEE C-8.25



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

SEAL

NORTH CAROLINA PROFESSIONAL
SEAL
036225
ENGINEER
JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

EROSION CONTROL PLAN
-STAGE 3

DRAWING
SHEET

C-8.22

57 OF 63

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PROGRESS PLOT DATE: 08/04/2023

HENRY ALSTON
AND WIFE, MARIE J.
ALSTON
PIN: 1757481376
DB 3198 PG 631
BM 1982 PG 721

PING CHEN
PIN: 1757471559
DB 18953 PG 592
NEW LOT 1 - BM
2007
PG 1224

STREET 'S'
50' PUBLIC R/W

STREET 'R'
50' PUBLIC R/W

STREET 'M'
50' PUBLIC R/W

STREET 'J'
50' PUBLIC R/W

JONESVILLE RD

MATCH LINE
FOR CONTINUATION, SEE C-8.20

MATCH LINE
FOR CONTINUATION, SEE C-8.21

MATCH LINE
FOR CONTINUATION, SEE C-8.24

MATCH LINE
FOR CONTINUATION, SEE C-8.25

MATCH LINE
FOR CONTINUATION, SEE C-8.22

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

LIMITS OF DISTURBANCE (TYP.)

SCM #7

SCM #4

SCM #8

INTAKE HOSE (TYP.)

PUMP (TYP.)

OUTLET HOSE (TYP.)

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

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

DISSIPATOR PAD (TYP.)

FES (TYP.)

OCS (TYP.)

SKIMMER DEVICE (TYP.)

PROPERTY LINE

FLOODZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

0.2% ANNUAL CHANCE
FLOOD HAZARD

W1

W2

BRIDGE

C-8.20 | C-8.21
C-8.23 | C-8.22
C-8.24 | C-8.25
C-8.27 | C-8.26

SITE KEY PLAN

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

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

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

No.	REVISIONS	DATE	BY
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SEAL

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

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

EROSION CONTROL PLAN
-STAGE 3

DRAWING
SHEET
C-8.23

58 OF 63

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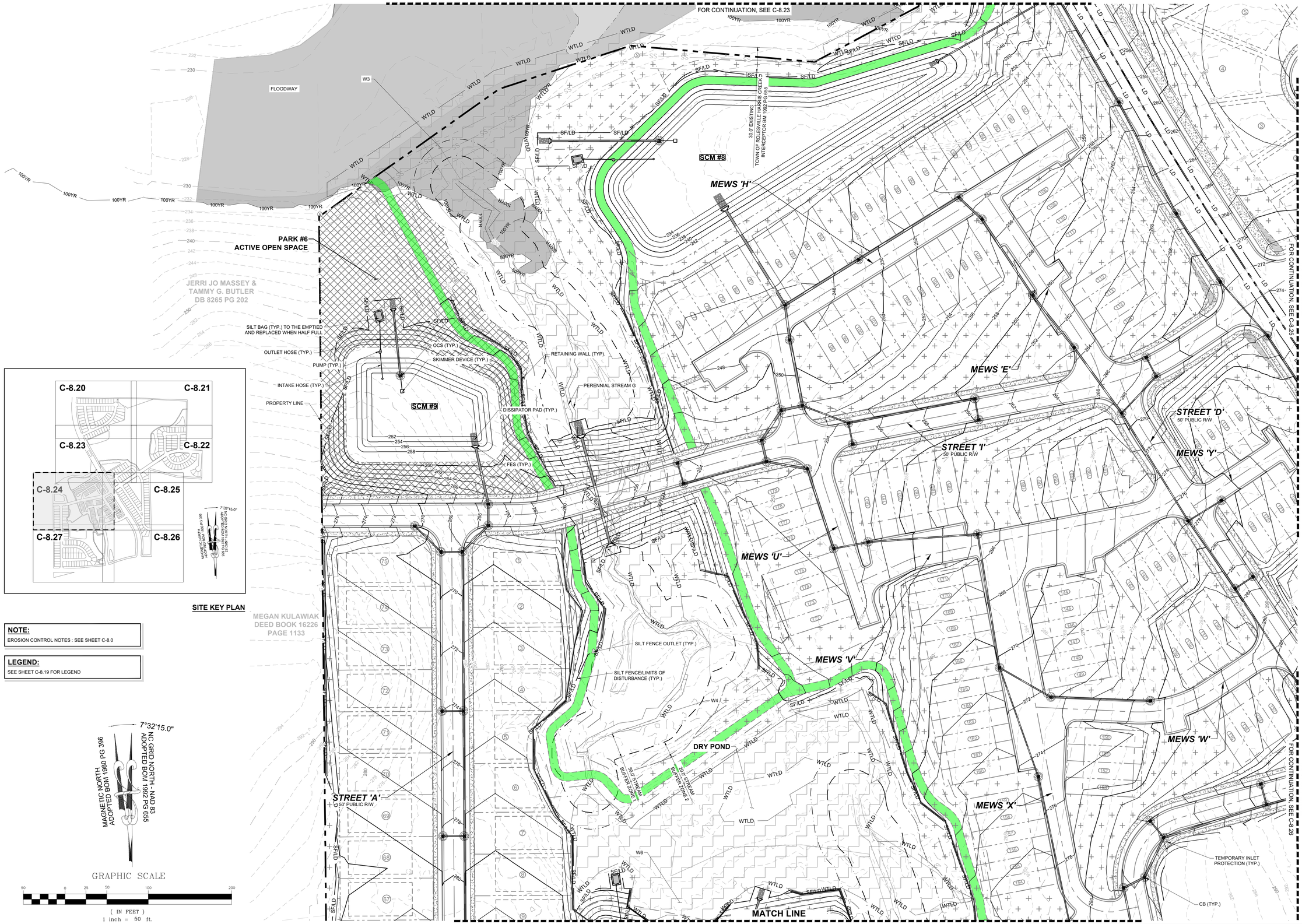
PROGRESS PLOT DATE: 08/04/2023



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

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SEAL

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

EROSION CONTROL PLAN -STAGE 3

DRAWING SHEET
C-8.24

59 OF 63

PROGRESS PLOT DATE: 08/04/2023

MATCH LINE
FOR CONTINUATION, SEE C-8.23

MATCH LINE
FOR CONTINUATION, SEE C-8.22

MATCH LINE
FOR CONTINUATION, SEE C-8.24

MATCH LINE
FOR CONTINUATION, SEE C-8.26

STREET 'J'
62' PUBLIC R/W

CLUB HOUSE

STREET 'K'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

JONESVILLE RD

STREET 'D'
50' PUBLIC R/W

MEWS 'Y'

MEWS 'F'

MEWS 'W'

STREET 'C'
50' PUBLIC R/W

MT. CALVARY HOLINESS
CHURCH OF WAKE CO. INC
DEED BOOK 10124 PAGE 2778

SILT FENCE OUTLET (TYP.)

SILT FENCE/LIMITS OF DISTURBANCE (TYP.)

PROPERTY LINE

LIMITS OF DISTURBANCE (TYP.)

TEMPORARY INLET PROTECTION (TYP.)

CB (TYP.)

WTLD

SF/LD

LD

C-8.20 C-8.21
C-8.23 C-8.22
C-8.24 C-8.25
C-8.27 C-8.26

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

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

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

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No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SRG

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
6801 FALLS OF NEUSE RD. SUITE 108 RALEIGH, NC 27615 | INFORMATION@STRONGROCKENGINEERING.COM

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

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

EROSION CONTROL PLAN -STAGE 3

DRAWING SHEET
C-8.25

60 OF 63

MATCH LINE
FOR CONTINUATION, SEE C-8.25

MATCH LINE
FOR CONTINUATION, SEE C-8.27

STREET 'C'
50' PUBLIC R/W

STREET 'L'
50' PUBLIC R/W

JONESVILLE RD

MITCHELL MILL RD
60' PUBLIC R/W

PEEBLES RD
60' PUBLIC R/W

LOT 1 BLOCK A

PARK #1
ACTIVE OPEN SPACE

SCM #3

CB (TYP.)
TEMPORARY INLET PROTECTION (TYP.)
OCS (TYP.)
SKIMMER DEVICE (TYP.)
LIMITS OF DISTURBANCE (TYP.)
SILT FENCE OUTLET (TYP.)
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
PROPERTY LINE
LD
SF/LD
CT
OHP

MOUNT CALVARY HOLINESS CHURCH OF WAKE COUNTY, INC.
PIN: 1757660324
DB 10124 PG 2778
LOT 1 - BM 2002 PG 991

ABAHOR ELIAS AND SPOUSE, SUSAN ELIAS
PIN: 1757553215
DB 17220 PG 2509
LOT 3 - BM 2018 PG 1333

CHRISTOPHER GHOLSON AND WIFE, KELLY GAITHER GHOLSON
PIN: 1757556361
DB 17855 PG 457
LOT 4 - BM 2018 PG 1333

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757641415
DB 5344 PG 819

CECIL L. GOODNIGHT AND WIFE, JUDY J. GOODNIGHT
PIN: 1757650296
DB 5344 PG 819

TODD KENDALL HONEYCUTT
PIN: 1757551202
DB 13474 PG 1974
LOT 2 - BM 2018 PG 1333

PHETIS JONES BRADSHER
PIN: 1757349473
DB 15208 PG 2320
BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT
PIN: 1757540996
DB 10488 PG 1888
LOT 1 - BM 2018 PG 1333

C-8.20 | C-8.21
C-8.23 | C-8.22
C-8.24 | C-8.25
C-8.27 | C-8.26

SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

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

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

No.	REVISIONS	DATE	BY
01	PRELIMINARY SUBDIVISION PLAT SPS 23-02	08/01/2023	SREG

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

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DRAWN BY	SRG
CHECKED BY	JWL

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

EROSION CONTROL PLAN -STAGE 3

DRAWING SHEET
C-8.26

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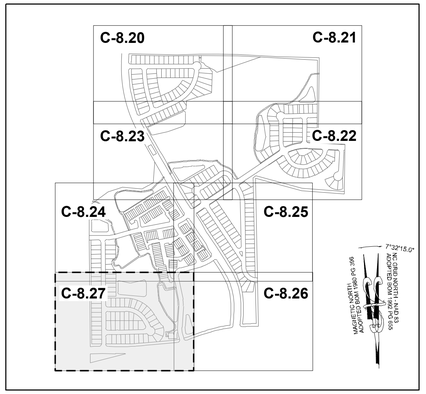
PROGRESS PLOT DATE: 08/04/2023



SITE KEY PLAN

NOTE:
EROSION CONTROL NOTES : SEE SHEET C-8.0

LEGEND:
SEE SHEET C-8.19 FOR LEGEND

MATCH LINE
FOR CONTINUATION, SEE C-8.24

MARCIE L. HOLDEN DEED BOOK 15599 PAGE 1003

BERNARD MILLER DEED BOOK 15416 PAGE 1651

KENNETH S. TOUTLOFF DEED BOOK 9236 PAGE 2229

PROPERTY LINE

HEATHER MARIE PERRY PIN: 1757357582 DB 18954 PG 338 LOT 1 & 2 - BM 1990 PG 956

NICHOLAS JAMES PIGNATTI AND, HOLLY BETH NIEDERHOFER PIN: 1757355367 DB 17247 PG 2571 LOT 1 - BM 2009 PG 353

PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868

PHETIS JONES BRADSHER PIN: 1757349473 DB 15208 PG 2320 BM 2013 PG 868

CURTIS L. HONEYCUTT AND WIFE, CHARITY M. HONEYCUTT PIN: 1757540996 DB 10488 PG 1888 LOT 1 - BM 2018 PG 1333

STREET 'A'
50' PUBLIC R/W

STREET 'B'
50' PUBLIC R/W

STREET 'C'
50' PUBLIC R/W

MEWS 'X'

MITCHELL MILL RD
60' PUBLIC R/W

SCM #1

SCM #2

SCM #3

PARK #5
ACTIVE OPEN SPACE

SILT BAG (TYP.) TO THE EMPTIED AND REPLACED WHEN HALF FULL
OUTLET HOSE (TYP.)
PUMP (TYP.)
INTAKE HOSE (TYP.)
W6
DISSIPATOR PAD (TYP.)
FES (TYP.)
OCS (TYP.)
SKIMMER DEVICE (TYP.)
HIGH WATER MARK
30.0' STREAM BUFFER ZONE 1
20.0' STREAM BUFFER ZONE 2
RETAINING WALL (TYP.)
SILT FENCE OUTLET (TYP.)
SILT FENCE/LIMITS OF DISTURBANCE (TYP.)
LIMITS OF DISTURBANCE (TYP.)
CB (TYP.)
TEMPORARY INLET PROTECTION (TYP.)

FOR CONTINUATION, SEE C-8.26
MATCH LINE

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

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EROSION CONTROL PLAN -STAGE 3

DRAWING SHEET
C-8.27

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