V1 -
CID-24-04
Plan Set -
Part 2 of 2

NOTES:

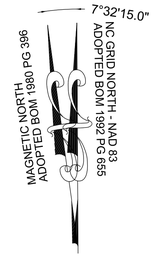
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

TOWNHOME NOTES:

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

LEGEND:

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



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK

ENGINEERING GROUP

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

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

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

DRAWING SHEET
C-8.0

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

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

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

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

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

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

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

15.0' TYPE II PERIMETER BUFFER

PROPERTY LINE

GENERIC WOODEN PRIVACY FENCE 6' TALL

SOUNDGARDEN COURT
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

PLAYFIELD

COMMUNITY GARDEN AMENITY

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

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

SCM MAINTENANCE EASEMENT

SCM #6
WET POND
TOP: 243.00
WSE: 237.00
BOT: 233.00

EMERGENCY SPILLWAY: 242.00

FLOODZONE AE

FLOODWAY

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

BUFFER ZONE 1 (TYP.) 30.0'

MATCH LINE
FOR CONTINUATION, SEE C-8.2

MATCH LINE
FOR CONTINUATION, SEE C-8.4

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

7°32'15.0"

NC GRID NORTH, NAD 83
ADOPTED BOM 1992 PG 655

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE KEY PLAN

C-8.1 C-8.2 C-8.3 C-8.4 C-8.5 C-8.6 C-8.7 C-8.8 C-8.9

LEGEND

SEE SHEET C-8.0 FOR LEGEND

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

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

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

CONSTRUCTION PLANS

PARTIAL GRADING AND DRAINAGE PLAN I

DRAWING SHEET

C-8.1

47 OF 133

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

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

TOWN OF ROLESVILLE HARRIS CREEK NATURE PRESERVE BM 1992 PG 695

30.0' EXISTING PERMANENT PUBLIC ACCESS EASEMENT FOR

MATCH LINE
FOR CONTINUATION, SEE C-8.1

MATCH LINE
FOR CONTINUATION, SEE C-8.3

FLOOD ZONE AE

FLOODWAY

SWAMP/MARSH
HARRIS CREEK

STREAM A "HARRIS CREEK"

PARKOUR COURSE

BUFFER ZONE 2 (TYP)

30.0'
BUFFER ZONE 1 (TYP)

W1

100YR

WTLD

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

15.0' TYPE II PERIMETER BUFFER

INV OUT: 239.01
P #320
INV IN: 240.03

STREAM B

FES #316

TW: 239.50
BW: 238.50

SCM MAINTENANCE EASEMENT

P #265

TW: 250.84
BW: 239.72

DCS #407

TW: 263.70
BW: 262.70

GREENWAY TRAIL

EMERGENCY SPILLWAY: 254.00

SCM #5
WET POND
TOP: 255.00
WSE: 249.00
BOT: 245.00

10.0'
BERM

TW: 251.27
BW: 244.41

TW: 253.39
BW: 238.54

TW: 255.49
BW: 239.89

P #255

SDMH #507

P #263

FES #315

YI #637

TW: 255.00
BW: 253.17

TW: 259.60
BW: 248.60

10.0'
GREENWAY
EASEMENT

30.0' GREENWAY EASEMENT

20.0' PRIVATE
DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

P #254

BUILD.
PAD: 261.50

BUILD.
PAD: 261.75

P #262

TW: 262.77
BW: 261.77

CB #189

P #253

BUILD.
PAD: 261.75

TW: 262.78
BW: 255.25

TW: 262.88
BW: 248.84

TW: 261.74
BW: 260.74

TW: 262.28
BW: 254.67

TW: 262.07
BW: 257.00

TW: 261.72
BW: 260.72

SUPERSONIC WAY
50' PUBLIC R/W

BUILD.
PAD: 265.00

BUILD.
PAD: 264.75

BUILD.
PAD: 264.50

BUILD.
PAD: 264.75

BUILD.
PAD: 264.50

BUILD.
PAD: 262.50

CB #177

P #242

20.0' PUBLIC
DRAINAGE EASEMENT

P #252

BUILD.
PAD: 263.50

YI #635

TW: 264.44
BW: 263.49

20.0' PRIVATE
DRAINAGE EASEMENT

15.0' TYPE II PERIMETER BUFFER

YI #638

P #261

SCM MAINTENANCE EASEMENT

FLOOD ZONE AE

FES #314

DCS #406

10.0'
GREENWAY TRAIL

BUILD.
PAD: 264.75

BUILD.
PAD: 264.75

SUPERSONIC WAY
50' PUBLIC R/W

BUILD.
PAD: 264.50

CB #187

P #243

BUILD.
PAD: 264.50

CB #179

P #244

20.0' PUBLIC
DRAINAGE EASEMENT

BUILD.
PAD: 264.00

P #260

P #240

BUILD.
PAD: 264.75

CB #174

CB #174A

BUILD.
PAD: 264.00

BUILD.
PAD: 264.75

BUILD.
PAD: 264.50

BUILD.
PAD: 263.50

P #239

BUILD.
PAD: 262.50

P #238

BUILD.
PAD: 262.75

CB #172

CB #173

BUILD.
PAD: 265.25

P #258

LUKIN LANE
50' PUBLIC R/W

BUILD.
PAD: 265.00

BUILD.
PAD: 265.75

TW: 280.48
BW: 265.38

BUILD.
PAD: 261.00

P #237

BUILD.
PAD: 261.50

BUILD.
PAD: 266.00

P #257

BUILD.
PAD: 267.25

BUILD.
PAD: 259.75

BUILD.
PAD: 260.75

P #259

BUILD.
PAD: 267.50

SCM #4
WET POND
TOP: 246.00
WSE: 240.00
BOT: 236.00

EMERGENCY SPILLWAY: 245.00

TW: 277.11
BW: 264.59

YI #632

YI #633

YI #634

CB #186

CB #188

P #250

P #251

P #256

P #263

P #264

P #265

P #266

P #267

P #268

P #269

P #270

P #271

P #272

P #273

P #274

P #275

P #276

P #277

P #278

P #279

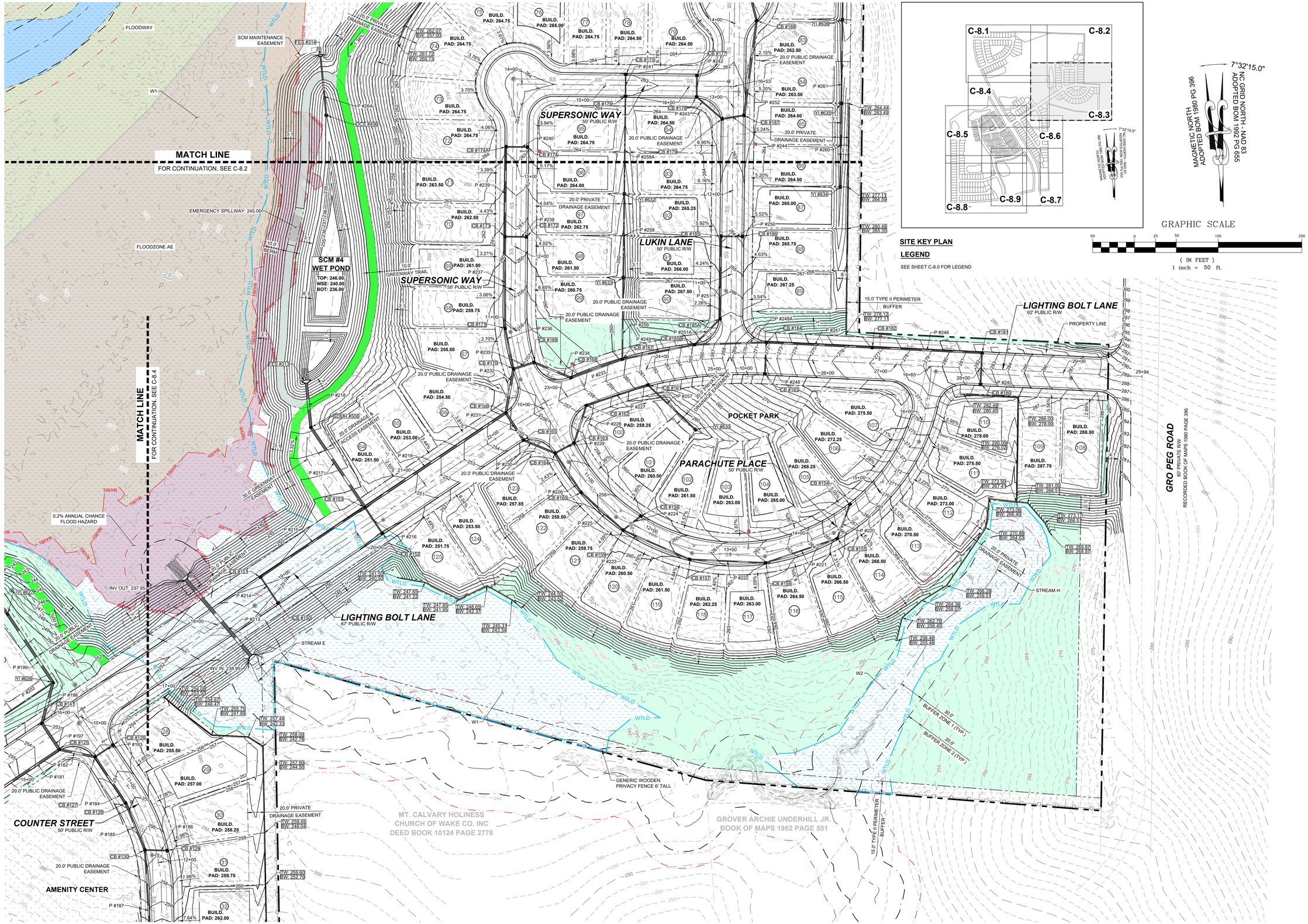
P #280

P #281

P #282

P

PROGRESS PLOT DATE: 06/04/2024



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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

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

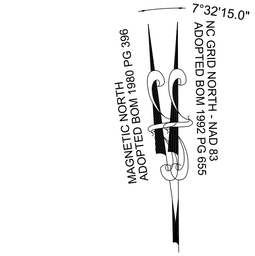
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL GRADING AND DRAINAGE PLAN III

DRAWING SHEET
C-8.3

49 OF 133

TOWNHOME NOTES:

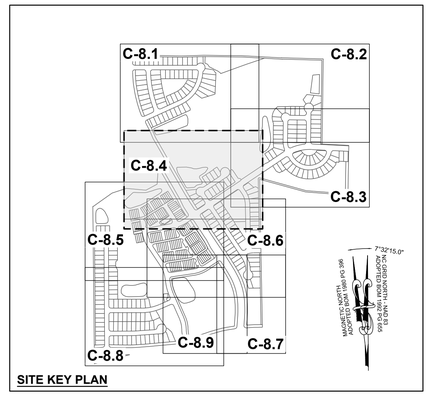
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

MATCH LINE
FOR CONTINUATION, SEE C-8.1

MATCH LINE
FOR CONTINUATION, SEE C-8.3

MATCH LINE
FOR CONTINUATION, SEE C-8.5

MATCH LINE
FOR CONTINUATION, SEE C-8.5

SCM #3
WET POND
TOP: 246.00
WSE: 240.00
BOT: 236.00

SCM #7
WET POND
TOP: 245.00
WSE: 239.00
BOT: 234.00

JONESVILLE RD
60' R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

LIGHTING BOLT LANE
67' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

AMENITY CENTER

STREAM A "HARRIS CREEK"

SWAMP/MARSH
HARRIS CREEK

SWAMP/MARSH
HARRIS CREEK

FLOODZONE AE

FLOODWAY

BRIDGE

PROPERTY LINE

SCM MAINTENANCE EASEMENT

EMERGENCY SPILLWAY: 245.00

EMERGENCY SPILLWAY: 244.50

PROPOSED OVERHEAD POWER RELOCATION

0.2% ANNUAL CHANCE FLOOD HAZARD

STREET YARD BUFFER

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' GREENWAY EASEMENT (TYP.)

20.0' DRAINAGE & ACCESS EASEMENT

16.0' DRAINAGE ACCESS EASEMENT

SCM MAINTENANCE EASEMENT

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONG ROCK ENGINEERING GROUP

E N G I N E E R I N G G R O U P

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

305 CHURCH AT NORTH HILLS STREET

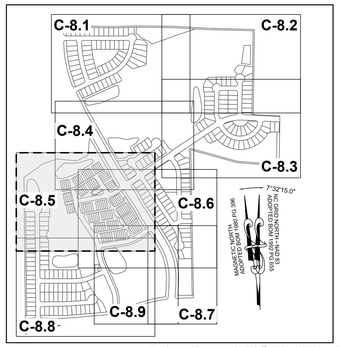
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PARTIAL GRADING AND DRAINAGE PLAN IV

DRAWING SHEET

C-8.4

PROGRESS PLOT DATE: 06/04/2024



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

TOWNHOME NOTES:

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

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

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

MATCH LINE
FOR CONTINUATION, SEE C-8.4

SCM #7 WET POND
TOP: 245.00
WSE: 239.00
BOT: 234.00

SCM #8 WET POND
TOP: 246.00
WSE: 240.00
BOT: 236.00

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

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

MEASURED MILE

JONESVILLE RD
60' R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

PUBLIC ALLEY '1'
20' PUBLIC R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

POCKET PARK I

OCEANS COURT
50' PUBLIC R/W

PUBLIC ALLEY '3'
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

BASKETBALL & EXERCIZE

EXISTING DRY POND

EMERGENCY SPILLWAY: 244.00

EMERGENCY SPILLWAY: 245.00

PROPOSED OVERHEAD POWER RELOCATION

SCM MAINTENANCE EASEMENT

10' BOARDWALK

10.0' GREENWAY TRAIL

30.0' GREENWAY EASEMENT

20.0' PUBLIC DRAINAGE EASEMENT

20.0' PRIVATE DRAINAGE EASEMENT

20.0' DRAINAGE & ACCESS EASEMENT

BUFFER ZONE 1 (TYP.)

BUFFER ZONE 2 (TYP.)

TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

STREAM I

STREAM J

STREAM G

MATCH LINE
FOR CONTINUATION, SEE C-8.6

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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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

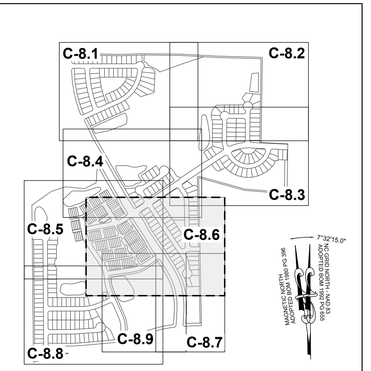
DRAWING SHEET
C-8.5

51 OF 133

PROGRESS PLOT DATE: 06/04/2024

TOWNHOME NOTES:

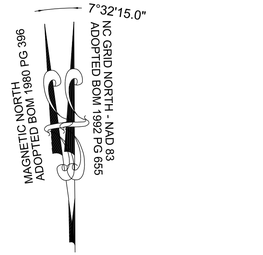
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND



MATCH LINE
FOR CONTINUATION, SEE C-8.7

MATCH LINE
FOR CONTINUATION, SEE C-8.8

MATCH LINE
FOR CONTINUATION, SEE C-8.5

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

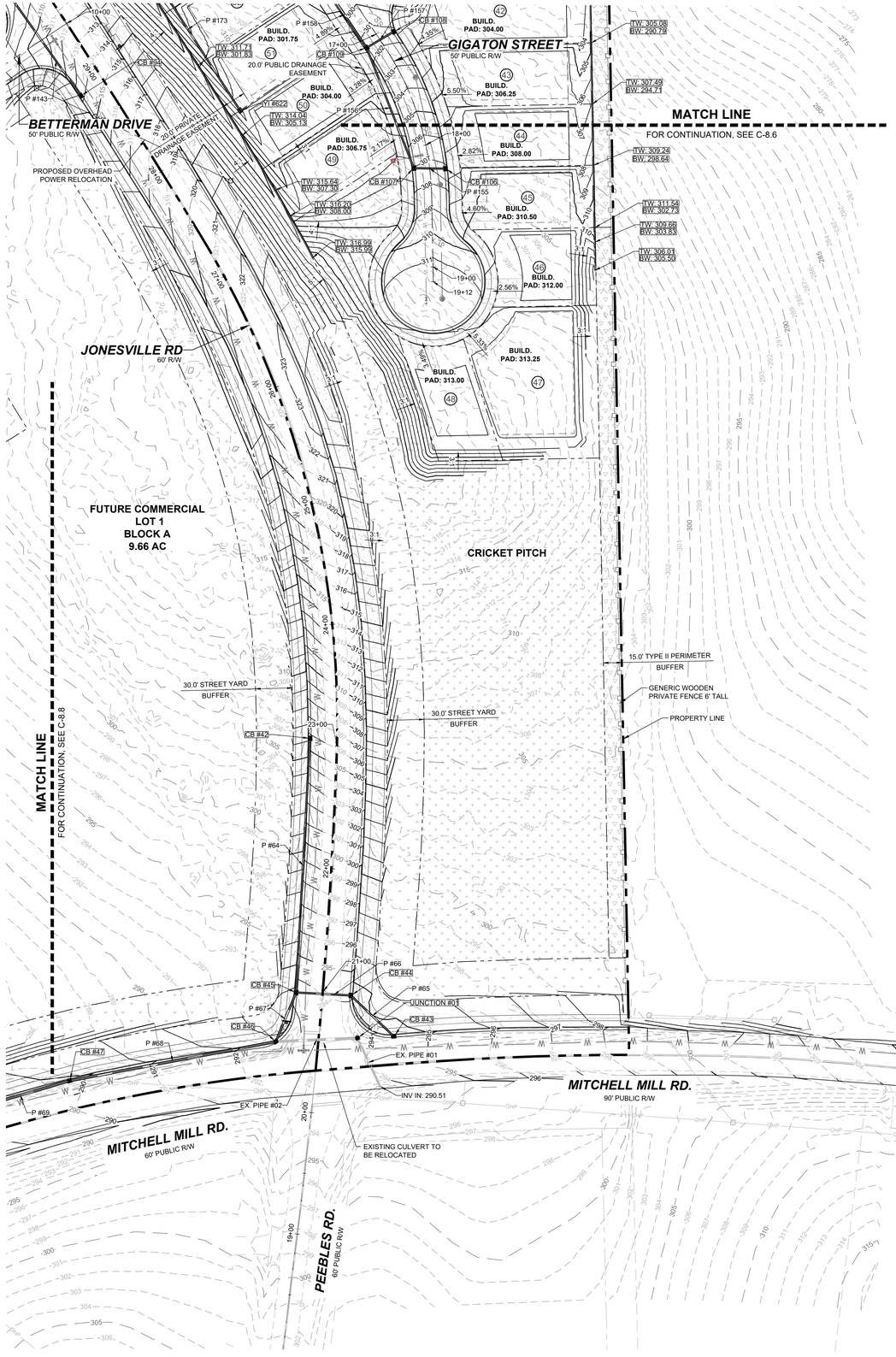
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

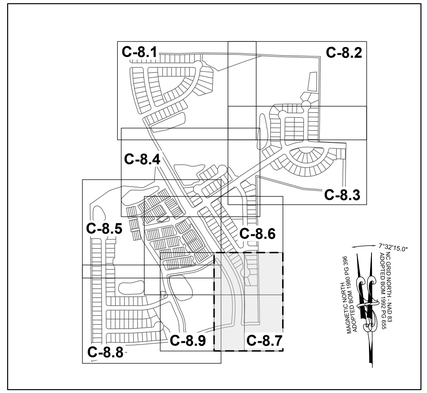
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-8.6

52 OF 133





SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

STRONG ROCK PROJECT	PSP-23-93
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-8.7

PROGRESS PLOT DATE: 06/04/2024

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

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

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

CONSTRUCTION PLANS

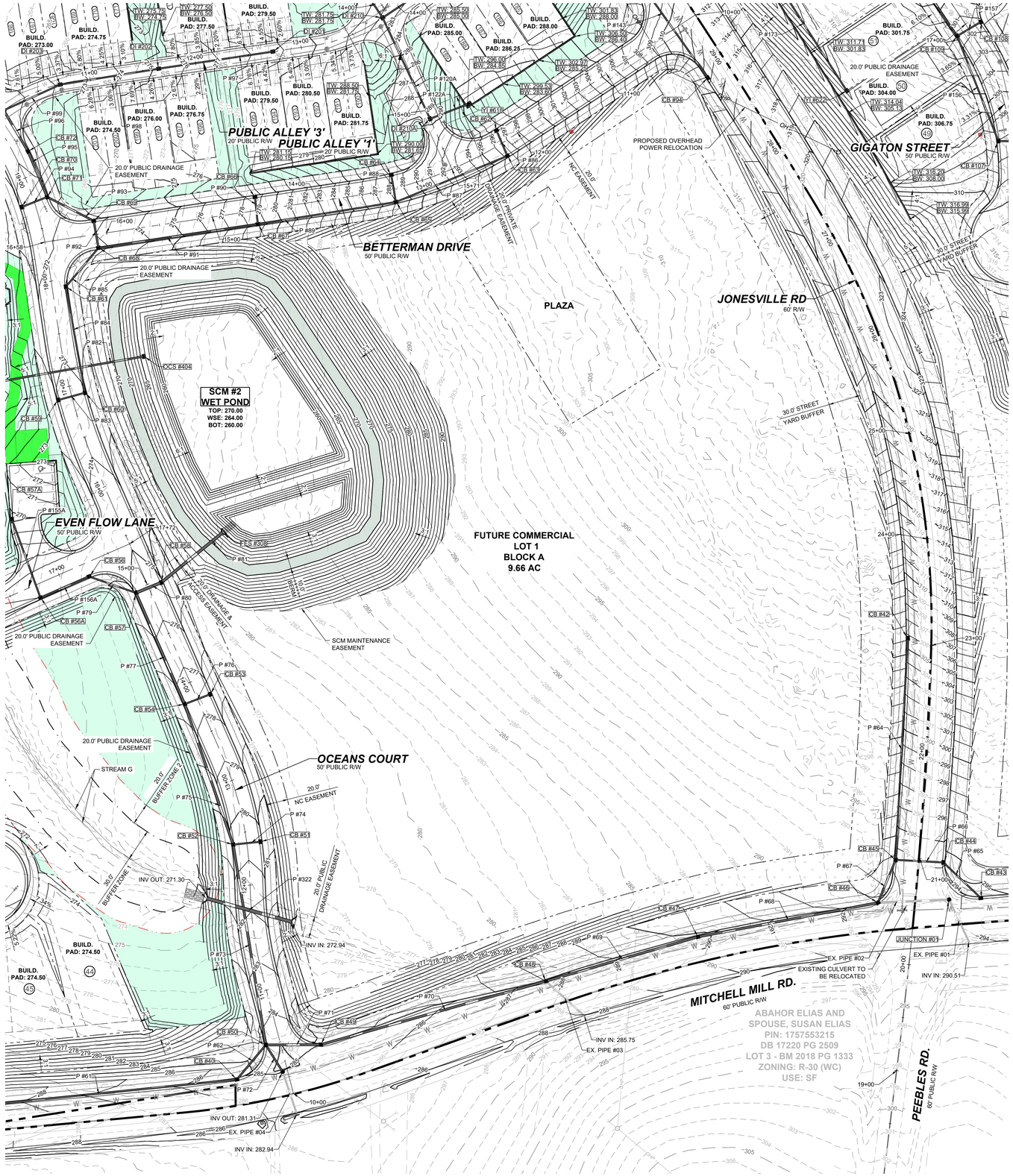
PARTIAL GRADING AND DRAINAGE PLAN VIII

DRAWING SHEET

C-8.8

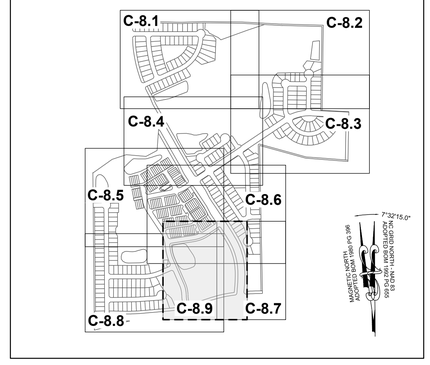
54 OF 133

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



TOWNHOME NOTES:

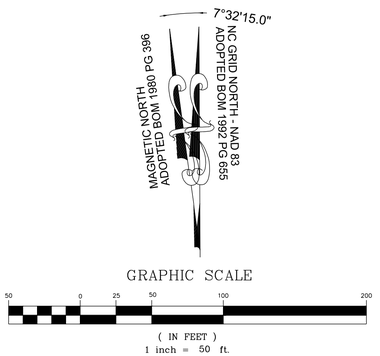
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



SITE KEY PLAN

LEGEND

SEE SHEET C-8.0 FOR LEGEND



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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

STRONG ROCK PROJECT	PSP-23-03
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DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET

C-8.9

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PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
EX. PIPE #01	RCP	18"	44	290.51	289.86	1.49%
EX. PIPE #02	RCP	24"	67	289.66	288.37	1.93%
EX. PIPE #03	RCP	18"	48	285.75	283.40	4.86%
EX. PIPE #04	RCP	18"	42	282.94	281.31	3.89%
EX. PIPE #05	RCP	18"	28	288.17	287.16	3.64%
P #01	RCP	18"	71	286.65	285.27	1.94%
P #02	RCP	18"	101	285.07	284.57	0.50%
P #03	RCP	18"	58	284.37	284.08	0.50%
P #04	RCP	15"	37	281.29	279.14	5.88%
P #05	RCP	15"	27	278.94	278.66	1.04%
P #06	RCP	15"	36	278.46	277.34	3.13%
P #07	RCP	15"	26	277.58	277.34	0.92%
P #08	RCP	18"	170	277.14	275.39	1.03%
P #09	RCP	15"	26	275.76	275.63	0.50%
P #10	RCP	18"	45	275.19	274.69	1.10%
P #11	RCP	24"	138	274.49	273.80	0.50%
P #12	RCP	15"	26	274.71	274.58	0.50%
P #13	RCP	24"	201	273.60	270.05	1.77%
P #14	RCP	15"	26	270.89	270.76	0.50%
P #15	RCP	24"	87	269.85	268.60	1.43%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #16	RCP	24"	72	268.40	266.98	1.98%
P #17	RCP	15"	150	278.05	273.94	2.74%
P #18	RCP	15"	155	273.30	271.71	1.03%
P #19	RCP	18"	150	271.51	269.29	1.48%
P #20	RCP	24"	113	268.75	268.18	0.50%
P #21	RCP	30"	34	267.73	267.49	0.69%
P #22	RCP	15"	26	273.92	273.76	0.59%
P #23	RCP	15"	149	273.56	270.13	2.30%
P #24	RCP	15"	27	270.54	270.22	1.21%
P #25	RCP	18"	78	269.93	268.50	1.84%
P #26	RCP	30"	71	266.91	266.50	0.58%
P #27	RCP	36"	85	265.90	265.48	0.50%
P #28	RCP	15"	150	275.34	272.76	1.72%
P #29	RCP	15"	158	272.44	270.24	1.38%
P #30	RCP	15"	93	270.04	267.78	2.45%
P #31	RCP	36"	102	265.28	264.77	0.50%
P #32	RCP	36"	26	264.57	264.44	0.50%
P #33	RCP	36"	29	264.24	264.10	0.50%
P #34	RCP	36"	161	263.90	262.68	0.75%
P #35	RCP	15"	155	273.50	270.00	2.26%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #36	RCP	15"	147	269.80	266.56	2.21%
P #37	RCP	15"	71	266.36	263.80	3.59%
P #38	RCP	36"	61	262.48	262.00	0.79%
P #39	RCP	24"	48	262.00	261.54	0.97%
P #40	RCP	15"	150	275.39	273.75	1.10%
P #41	RCP	15"	150	273.55	269.38	2.78%
P #42	RCP	15"	116	269.18	268.60	0.50%
P #43	RCP	18"	28	268.40	268.26	0.50%
P #44	RCP	18"	104	268.06	265.55	2.41%
P #45	RCP	15"	150	271.06	265.90	3.44%
P #46	RCP	15"	112	265.70	265.14	0.50%
P #47	RCP	15"	27	266.15	265.55	2.24%
P #48	RCP	24"	186	264.90	262.96	1.04%
P #49	RCP	15"	26	264.25	264.12	0.50%
P #50	RCP	30"	99	262.76	262.26	0.50%
P #51	RCP	15"	112	263.77	263.21	0.50%
P #52	RCP	15"	26	263.68	263.55	0.50%
P #53	RCP	30"	103	262.06	261.55	0.50%
P #54	RCP	15"	95	265.92	262.89	3.20%
P #55	RCP	24"	55	260.50	256.07	8.00%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #56	RCP	30"	107	254.50	246.09	7.84%
P #57	RCP	30"	82	244.09	240.00	4.99%
P #58	RCP	24"	58	235.31	234.00	2.28%
P #59	RCP	18"	32	286.96	286.64	1.00%
P #60	RCP	18"	226	286.44	284.19	1.00%
P #61	RCP	18"	261	283.83	281.22	1.00%
P #62	RCP	18"	42	281.02	280.31	1.69%
P #64	RCP	15"	208	300.49	288.32	5.85%
P #65	RCP	15"	48	289.66	289.34	0.66%
P #66	RCP	15"	45	289.14	288.92	0.51%
P #67	RCP	18"	43	288.12	287.37	1.72%
P #68	RCP	24"	172	287.17	285.45	1.00%
P #69	RCP	24"	148	285.25	283.77	1.00%
P #70	RCP	24"	219	283.20	281.01	1.00%
P #71	RCP	24"	51	280.81	279.78	2.00%
P #72	RCP	18"	30	281.11	280.31	2.69%
P #73	RCP	24"	190	279.23	276.24	1.57%
P #74	RCP	15"	26	275.08	274.82	1.00%
P #75	RCP	24"	139	273.99	271.20	2.00%
P #76	RCP	15"	26	272.44	272.31	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #77	RCP	24"	114	271.00	268.03	2.61%
P #79	RCP	15"	47	265.99	265.76	0.50%
P #80	RCP	30"	26	265.53	265.02	2.00%
P #81	RCP	30"	73	264.73	264.00	1.00%
P #82	RCP	18"	154	264.00	263.17	0.54%
P #83	RCP	15"	26	268.61	268.48	0.50%
P #84	RCP	15"	101	268.28	267.55	0.72%
P #85	RCP	15"	48	267.35	267.11	0.50%
P #86	RCP	15"	26	291.99	291.38	2.33%
P #87	RCP	15"	113	291.18	283.33	6.95%
P #88	RCP	15"	26	283.66	283.33	1.27%
P #89	RCP	15"	131	283.13	273.91	7.04%
P #90	RCP	15"	26	274.09	273.96	0.50%
P #91	RCP	15"	151	273.15	267.25	3.91%
P #92	RCP	18"	26	266.91	266.78	0.50%
P #93	RCP	18"	49	266.58	266.34	0.50%
P #94	RCP	15"	26	266.68	266.55	0.50%
P #95	RCP	24"	46	265.69	265.32	0.79%
P #96	RCP	24"	45	265.12	264.90	0.50%
P #97	RCP	15"	108	274.23	270.74	3.23%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #98	RCP	15"	93	270.54	267.72	3.01%
P #99	RCP	15"	58	267.52	265.82	2.93%
P #100	RCP	24"	97	264.70	261.19	3.62%
P #101	RCP	15"	25	261.91	261.79	0.52%
P #102	RCP	24"	119	260.99	253.64	6.16%
P #103	RCP	15"	26	254.46	254.33	0.50%
P #104	RCP	24"	44	253.44	250.97	5.66%
P #105	RCP	15"	107	256.03	253.94	1.95%
P #106	RCP	15"	95	253.74	252.62	1.18%
P #107	RCP	15"	52	252.42	251.79	1.23%
P #108	RCP	24"	111	250.39	245.22	4.67%
P #109	RCP	15"	34	246.80	246.63	0.51%
P #110	RCP	30"	50	245.02	244.77	0.50%
P #111	RCP	15"	26	250.87	250.74	0.50%
P #112	RCP	18"	167	250.54	246.42	2.47%
P #113	RCP	30"	26	244.57	244.44	0.50%
P #114	RCP	30"	59	244.24	242.63	2.73%
P #115	RCP	30"	52	242.39	241.81	1.12%
P #116	RCP	15"	27	243.40	243.26	0.53%
P #117	RCP	36"	40	241.19	240.80	0.99%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #119	RCP	15"	78	280.26	277.75	3.22%
P #120	RCP	15"	132	277.55	268.14	7.11%
P #120A	RCP	15"	105	278.47	277.75	0.68%
P #121	RCP	15"	112	267.60	262.26	4.76%
P #122A	RCP	15"	39	278.86	278.67	0.50%
P #123	RCP	15"	123	279.45	274.43	4.09%
P #124	RCP	15"	44	272.53	272.31	0.50%
P #125	RCP	15"	91	272.10	267.59	4.94%
P #126	RCP	15"	75	267.33	262.54	6.38%
P #127	RCP	18"	115	261.87	258.35	3.07%
P #128	RCP	18"	29	260.31	259.45	3.00%
P #129	RCP	18"	56	259.25	258.52	1.29%
P #130	RCP	18"	133	258.06	252.81	3.96%
P #131	RCP	15"	32	252.76	252.60	0.50%
P #132	RCP	24"	26	251.70	251.57	0.50%
P #133	RCP	24"	89	251.37	250.06	1.47%
P #134	RCP	15"	26	250.82	250.70	0.50%
P #135	RCP	24"	87	249.73	246.63	3.56%
P #136	RCP	30"	157	244.13	242.95	0.75%
P #137	RCP	30"	121	242.40	241.45	0.78%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #138	RCP	36"	119	240.60	239.74	0.72%
P #139	RCP	42"	75	239.54	239.00	0.72%
P #140	RCP	24"	108	236.00	235.46	0.50%
P #141	RCP	36"	89	263.05	262.60	0.51%
P #143	RCP	15"	231	308.82	293.73	6.54%
P #144	RCP	15"	52	294.25	293.73	0.99%
P #145	RCP	15"	183	293.53	280.57	7.10%
P #146	RCP	15"	50	280.71	280.46	0.50%
P #147	RCP	15"	150	279.82	270.99	5.87%
P #148	RCP	18"	98	270.79	265.64	5.27%
P #149	RCP	15"	56	266.34	266.06	0.50%
P #150	RCP	18"	86	265.10	261.70	3.96%
P #151	RCP	18"	150	261.44	253.00	5.62%
P #152	RCP	15"	45	254.13	253.90	0.50%
P #153	RCP	24"	150	252.80	243.00	6.53%
P #154	RCP	24"	70	242.80	237.91	6.98%
P #155	RCP	15"	26	302.74	302.56	0.69%
P #155A	RCP	15"	78	267.04	266.64	0.50%
P #156	RCP	15"	106	302.36	296.68	5.37%
P #156A	RCP	15"	50	266.44	266.19	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #157	RCP	15"	26	296.91	296.76	0.57%
P #158	RCP	15"	115	296.48	291.43	4.37%
P #159	RCP	15"	99	291.23	288.57	2.68%
P #160	RCP	15"	26	288.57	288.44	0.50%
P #161	RCP	18"	150	288.24	282.18	4.04%
P #162	RCP	15"	26	282.61	282.48	0.50%
P #163	RCP	18"	149	281.98	269.65	8.25%
P #164	RCP	15"	26	271.06	269.74	5.07%
P #165	RCP	24"	140	268.89	262.95	4.23%
P #166	RCP	24"	46	264.70	263.36	2.88%
P #167	RCP	15"	38	266.54	266.35	0.50%
P #168	RCP	24"	68	265.52	264.92	0.89%
P #169	RCP	18"	71	266.07	265.72	0.50%
P #170	RCP	15"	150	275.15	266.27	5.90%
P #171	RCP	15"	150	285.63	275.35	6.85%
P #172	RCP	15"	150	290.09	285.83	2.84%
P #173	RCP	15"	150	296.78	290.29	4.32%
P #174	RCP	30"	26	262.75	262.44	1.19%
P #175	RCP	30"	49	262.24	259.63	5.34%
P #176	RCP	30"	82	259.43	256.17	3.99%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #177	RCP	18"	30	259.34	256.91	8.00%
P #178	RCP	15"	147	270.25	260.64	6.54%
P #179	RCP	15"	100	278.45	270.45	8.00%
P #180	RCP	15"	38	258.29	258.11	0.50%
P #181	RCP	30"	221	255.97	245.81	4.59%
P #182	RCP	30"	44	247.38	246.61	1.76%
P #183	RCP	15"	26	248.69	248.56	0.50%
P #184	RCP	24"	66	249.22	247.58	2.47%
P #185	RCP	24"	61	250.74	249.42	2.19%
P #186	RCP	15"	27	252.12	251.99	0.50%
P #187	RCP	18"	145	258.13	250.94	4.96%
P #188	RCP	15"	26	259.42	259.29	0.50%
P #189	RCP	15"	200	273.19	259.20	7.00%
P #190	RCP	15"	26	274.92	274.00	3.61%
P #191	RCP	15"	190	281.82	274.00	4.11%
P #192	RCP	18"	42	285.38	282.41	7.00%
P #193	RCP	15"	28	282.16	282.02	0.50%
P #194	RCP	15"	38	282.55	282.36	0.50%
P #195	RCP	15"	66	283.08	282.75	0.50%
P #196	RCP	15"	26	283.41	283.28	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #197	RCP	36"	38	245.61	245.42	0.50%
P #198	RCP	36"	50	245.22	243.74	2.92%
P #199	RCP	36"	98	243.54	243.05	0.50%
P #200	RCP	36"	55	242.85	242.35	0.92%
P #201	RCP	15"	150	247.99	246.02	1.31%
P #202	RCP	15"	110	245.82	245.09	0.67%
P #203	RCP	15"	53	255.38	251.12	8.00%
P #204	RCP	15"	56	249.94	247.82	3.81%
P #205	RCP	15"	26	248.13	248.00	0.50%
P #206	RCP	18"	137	247.62	245.62	1.46%
P #207	RCP	15"	31	246.51	246.35	0.50%
P #208	RCP	18"	101	245.42	244.91	0.50%
P #209	RCP	24"	77	244.71	244.32	0.50%
P #210	RCP	42"	128	242.15	241.17	0.76%
P #211	RCP	42"	163	240.97	240.00	0.59%
P #212	RCP	18"	50	239.00	238.00	1.98%
P #213	RCP	48"	119	238.95	237.95	0.84%
P #214	RCP	15"	38	246.31	246.12	0.50%
P #215	RCP	18"	150	245.92	245.17	0.50%
P #216	RCP	18"	38	245.24	245.05	0.50%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #217	RCP	36"	115	243.02	241.04	1.72%
P #218	RCP	36"	53	240.84	240.00	1.59%
P #219	RCP	30"	203	248.06	243.22	2.38%
P #220	RCP	15"	43	263.02	261.03	4.57%
P #221	RCP	15"	90	260.83	257.52	3.65%
P #222	RCP	15"	91	257.32	255.72	1.76%
P #223	RCP	15"	87	255.52	254.10	1.64%
P #224	RCP	15"	27	254.24	254.10	0.53%
P #225	RCP	18"	67	253.80	252.18	2.41%
P #226	RCP	18"	56	251.98	250.98	1.76%
P #227	RCP	18"	78	253.23	252.57	0.85%
P #228	RCP	18"	47	252.37	251.59	1.64%
P #229	RCP	18"	26	251.39	251.26	0.50%
P #230	RCP	24"	41	250.78	248.89	4.64%
P #231	RCP	30"	39	248.69	248.26	1.11%
P #232	RCP	30"	53	251.39	248.87	4.72%
P #233	RCP	24"	65	253.47	252.71	1.17%
P #234	RCP	24"	48	252.51	251.92	1.23%
P #235	RCP	24"	26	251.72	251.59	0.50%
P #236	RCP	18"	50	252.72	251.72	2.01%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #237	RCP	18"	110	255.46	252.92	2.33%
P #238	RCP	15"	26	256.01	255.88	0.50%
P #239	RCP	18"	107	258.29	255.66	2.44%
P #240	RCP	15"	26	258.69	258.56	0.50%
P #241	RCP	12"	26	258.83	258.70	0.50%
P #242	RCP	15"	26	257.89	257.76	0.50%
P #243	RCP	15"	40	257.56	257.36	0.50%
P #244	RCP	18"	27	257.16	257.03	0.50%
P #245	RCP	15"	38	277.52	276.95	1.50%
P #246	RCP	18"	131	276.75	271.30	4.15%
P #247	RCP	18"	127	271.10	265.16	4.70%
P #248	RCP	15"	38	267.23	267.04	0.50%
P #248A	RCP	18"	86	264.96	260.39	5.31%
P #249	RCP	18"	88	257.93	253.67	4.84%
P #250	RCP	15"	26	259.37	259.24	0.50%
P #251	RCP	15"	99	259.04	258.55	0.50%
P #251A	RCP	15"	43	258.35	258.13	0.50%
P #252	RCP	24"	114	256.83	255.54	1.13%
P #253	RCP	24"	73	255.34	254.57	1.05%
P #254	RCP	30"	127	254.37	252.00	1.87%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #255	RCP	36"	34	250.72	250.00	2.10%
P #257	RCP	15"	78	253.82	253.43	0.50%
P #258	RCP	15"	100	256.27	254.35	1.92%
P #258A	RCP	12"	117	258.50	256.83	1.43%
P #259	RCP	15"	98	254.15	253.67	0.50%
P #260	RCP	15"	100	257.20	255.70	1.50%
P #261	RCP	15"	100	255.50	253.85	1.65%
P #262	RCP	15"	151	253.61	252.85	0.50%
P #263	RCP	18"	74	252.65	252.13	0.70%
P #264	RCP	18"	71	240.00	238.50	2.13%
P #265	RCP	15"	106	246.58	239.15	7.00%
P #266	RCP	15"	26	253.33	253.20	0.50%
P #267	RCP	15"	129	253.00	252.36	0.50%
P #268	RCP	15"	89	252.16	251.69	0.52%
P #269	RCP	15"	26	251.69	251.56	0.50%
P #270	RCP	18"	111	251.36	250.53	0.75%
P #271	RCP	18"	92	250.33	249.71	0.68%
P #272	RCP	15"	26	250.17	250.03	0.54%
P #273	RCP	18"	53	249.51	247.81	3.21%
P #274	RCP	18"	27	247.61	247.18	1.57%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #275	RCP	24"	100	246.98	244.64	2.34%
P #276	RCP	15"	26	247.51	245.52	7.64%
P #277	RCP	24"	82	244.44	244.03	0.50%
P #278	RCP	24"	84	243.83	243.41	0.50%
P #279	RCP	18"	26	244.04	243.91	0.50%
P #280	RCP	30"	62	243.21	242.90	0.50%
P #281	RCP	30"	77	242.70	242.15	0.72%
P #282	RCP	15"	26	243.86	242.75	4.22%
P #283	RCP	30"	156	241.95	240.75	0.77%
P #283A	RCP	30"	100	240.55	240.05	0.50%
P #284	RCP	24"	64	241.00	240.68	0.50%
P #285	RCP	30"	30	240.48	240.33	0.50%
P #286	RCP	36"	116	239.85	239.27	0.50%
P #287	RCP	15"	82	261.63	257.68	4.84%
P #288	RCP	15"	40	257.48	255.42	5.10%
P #290	RCP	15"	112	255.05	253.58	1.31%
P #291	RCP	18"	26	253.38	253.25	0.50%
P #292	RCP	18"	48	253.05	252.79	0.55%
P #293	RCP	15"	28	253.14	252.72	1.50%
P #294	RCP	18"	150	252.52	248.50	2.67%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #295	RCP	15"	26	249.46	248.94	2.00%
P #296	RCP	18"	135	248.30	244.57	2.78%
P #297	RCP	15"	26	245.35	245.22	0.50%
P #298	RCP	18"	160	244.37	242.60	1.10%
P #299	RCP	15"	26	243.56	243.25	1.16%
P #300	RCP	24"	55	242.40	240.43	3.58%
P #301	RCP	30"	26	240.23	239.27	3.70%
P #302	RCP	36"	60	239.07	238.30	1.27%
P #304	RCP	15"	144	239.90	239.18	0.50%
P #305	RCP	15"	159	244.50	240.10	2.77%
P #306	RCP	15"	64	238.98	238.66	0.50%
P #307	RCP	30"	31	238.46	238.30	0.50%
P #310	RCP	42"	68	237.34	237.00	0.50%
P #311	RCP	15"	127	244.91	242.96	1.53%
P #312	RCP	15"	120	242.76	242.16	0.50%
P #313	RCP	15"	153	248.39	243.41	3.24%
P #314	RCP	18"	91	241.96	241.51	0.50%
P #315	RCP	24"	22	241.31	241.20	0.50%
P #316	RCP	15"	170	249.76	245.96	2.23%
P #317	RCP	18"	168	245.69	240.78	2.92%

PIPE TABLE						
PIPE NO	TYPE	SIZE	LF	INV. IN	INV. OUT	GRADE
P #318	RCP	24"	22	238.78	238.66	0.57%
P #319	RCP	18"	100	237.00	236.50	0.50%
P #320	CLASS IV	24"	17	240.03	239.01	6.01%
P #321	RCP	42"	112	238.10	237.54	0.50%
P #322	RCP	36"	83	272.94	271.30	1.96%

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

No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

STORM DRAINAGE TABLES

DRAWING SHEET

C-8.10

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CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #01	2' X 3'	291.77		286.65 W
CB #02	2' X 3'	290.55	285.27 E	285.07 W
CB #03	2' X 3'	288.70	284.57 E	284.37 W
CB #04	2' X 3'	285.75		281.29 NE
CB #05	2' X 3'	283.70	279.14 SW	278.94 N
CB #06	2' X 3'	283.31	278.66 S	278.46 NW
CB #07	2' X 3'	282.52		277.58 E
CB #08	2' X 3'	282.49	277.34 W 277.34 SE	277.14 N
CB #09	2' X 3'	280.30		275.76 E
CB #10	2' X 3'	280.32	275.39 S 275.63 W	275.19 NE
CB #11	2' X 3'	279.80	274.69 SW	274.49 E
CB #12	2' X 3'	279.19		274.71 S
CB #13	2' X 3'	279.18	273.80 W 274.58 N	273.60 E
CB #14	2' X 3'	275.49		270.89 S
CB #16	2' X 3'	275.46	270.05 W 270.76 N	269.85 E
CB #17	2' X 3'	273.89	268.60 W	268.40 E
CB #18	2' X 3'	278.35		273.92 N
CB #19	2' X 3'	278.20	273.76 S	273.56 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #20	2' X 3'	275.00		270.54 N
CB #21	2' X 3'	274.88	270.22 S 270.13 W	269.93 E
CB #22	2' X 3'	273.62	268.18 S	267.73 NW
CB #23	2' X 3'	273.37	267.49 SE 268.50 W	266.91 NE
CB #24	2' X 3'	272.30	266.50 SW	265.90 N
CB #25	2' X 3'	273.31	264.77 S 266.98 W	264.57 N
CB #26	2' X 3'	273.31	264.44 S	264.24 W
CB #27	2' X 3'	273.41	264.10 E	263.90 N
CB #28	2' X 3'	273.77	268.60 W	268.40 E
CB #29	2' X 3'	273.46	268.26 W	268.06 N
CB #30	2' X 3'	270.77		266.15 E
CB #31	2' X 3'	270.59	265.55 S 265.55 W 265.14 E	264.90 N
CB #32	2' X 3'	268.69		264.25 E
CB #33	2' X 3'	268.66	262.96 S 264.12 W	262.76 N
CB #34 (DOUBLE)	2' X 3'	268.12		263.68 E
CB #35	2' X 3'	268.12	262.26 S 263.55 W 263.21 E	262.06 N
CB #36	2' X 3'	271.15		265.92 E
CB #37	2' X 3'	269.40	261.55 S 262.89 W	260.50 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #38	2' X 3'	290.19	286.64 SW	286.44 E
CB #39	2' X 3'	288.98	284.19 W	283.83 E
CB #40	2' X 3'	285.23	281.22 W	281.02 NE
CB #42	2' X 3'	305.75		300.49 S
CB #43	2' X 3'	294.44		289.66 NW
CB #44	2' X 3'	294.14	289.34 SE	289.14 W
CB #45	2' X 3'	293.44	288.92 E 288.32 N	288.12 S
CB #46	2' X 3'	292.60	287.37 N 288.37 E	287.17 W
CB #47	2' X 3'	289.81	285.45 E	285.25 W
CB #48	2' X 3'	287.62	283.77 E 283.40 SE	283.20 W
CB #49	2' X 3'	284.89	281.01 E	280.81 W
CB #50	2' X 3'	284.30	280.31 SE 280.31 SW 279.78 E	279.23 N
CB #51	2' X 3'	280.37		275.08 W
CB #52	2' X 3'	280.35	276.24 S 274.82 E	273.99 N
CB #53	2' X 3'	277.39		272.44 W
CB #54	2' X 3'	277.37	271.20 S 272.31 E	271.00 NW
CB #56	2' X 3'	274.21	266.19 SW	265.99 E
CB #56A	2' X 3'	273.96	266.64 N	266.44 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #57	2' X 3'	275.12	268.03 SE 265.76 W	265.53 E
CB #57A	2' X 3'	269.72		267.04 S
CB #58	2' X 3'	275.13	265.02 W	264.73 NE
CB #59	2' X 3'	273.05		268.61 E
CB #60	2' X 3'	273.06	268.48 W	268.28 N
CB #61	2' X 3'	271.99	267.55 S	267.35 NE
CB #62	2' X 3'	296.43		291.99 SE
CB #63	2' X 3'	296.14	291.38 NW	291.18 W
CB #64	2' X 3'	288.09		283.66 S
CB #65	2' X 3'	287.96	283.33 E 283.33 N	283.13 W
CB #66	2' X 3'	278.58		274.09 S
CB #67	2' X 3'	278.50	273.96 N 273.91 E	273.15 W
CB #68	2' X 3'	272.74	267.11 SW 267.25 E	266.91 N
CB #69	2' X 3'	272.71	266.78 S	266.58 NW
CB #70	2' X 3'	271.12		266.68 E
CB #71	2' X 3'	271.40	266.34 SE 266.55 W	265.69 NW
CB #72	2' X 3'	270.63	265.32 SE	265.12 NW
CB #73	2' X 3'	266.45		261.91 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #74	2' X 3'	266.45	261.19 SE 261.79 SW	260.99 NW
CB #75	2' X 3'	258.89		254.46 NE
CB #76	2' X 3'	258.90	254.33 SW 253.64 SE	253.44 NW
CB #77	2' X 3'	251.13		246.80 E
CB #78	2' X 3'	251.23	245.22 S 246.63 W	245.02 N
CB #79	2' X 3'	255.31		250.87 S
CB #80	2' X 3'	255.30	250.74 N	250.54 W
CB #81	2' X 3'	251.31	244.77 S 246.42 E	244.57 N
CB #82	2' X 3'	251.31	244.44 S	244.24 NW
CB #83	2' X 3'	248.59	242.63 SE	242.39 N
CB #84	2' X 3'	247.84		243.40 E
CB #85	2' X 3'	247.69	243.26 W 241.81 S	241.19 N
CB #86	2' X 3'	265.02		260.31 S
CB #87	2' X 3'	264.18	259.45 N	259.25 SW
CB #88	2' X 3'	257.20		252.76 NE
CB #89	2' X 3'	259.09	252.60 SW 252.81 SE	251.70 NE
CB #90	2' X 3'	258.88	251.57 SW	251.37 NW
CB #91	2' X 3'	255.26		250.82 NE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #92	2' X 3'	255.31	250.06 SE 250.70 SW	249.73 NW
CB #94	2' X 3'	313.67		308.82 NW
CB #95	2' X 3'	298.69		294.25 SW
CB #96	2' X 3'	298.17	293.73 NE 293.73 SE	293.53 NW
CB #97	2' X 3'	285.15		280.71 SW
CB #98	2' X 3'	285.15	280.57 SE 280.46 NE	279.82 NW
CB #99	2' X 3'	275.93	270.99 SE	270.79 NW
CB #100	2' X 3'	270.84		266.34 SW
CB #101	2' X 3'	270.88	265.64 SE 266.06 NE	265.10 NW
CB #102	2' X 3'	266.42	261.70 SE	261.44 NW
CB #103	2' X 3'	258.56		254.13 SW
CB #104	2' X 3'	259.31	253.00 SE 253.90 NE	252.80 NW
CB #105	2' X 3'	250.84	243.00 SE	242.80 W
CB #106	2' X 3'	307.18		302.74 W
CB #107	2' X 3'	307.00	302.56 E	302.36 N
CB #108	2' X 3'	301.29		296.91 SW
CB #109	2' X 3'	301.42	296.76 NE 296.68 S	296.48 NW
CB #110	2' X 3'	296.15	291.43 SE	291.23 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #111	2' X 3'	293.25		288.57 SW
CB #112	2' X 3'	293.25	288.57 SE 288.44 NE	288.24 NW
CB #113	2' X 3'	287.04		282.61 SW
CB #114	2' X 3'	287.02	282.48 NE 282.18 SE	281.98 NW
CB #115	2' X 3'	275.36		271.06 SW
CB #116	2' X 3'	275.40	269.74 NE 269.65 SE	268.89 NW
CB #117	2' X 3'	268.70	262.95 SE 263.36 W	262.75 NE
CB #118	2' X 3'	270.98		266.54 SE
CB #119	2' X 3'	271.19	266.35 NW 264.92 SW	264.70 E
CB #120	2' X 3'	272.51	265.72 SE	265.52 NE
CB #121	2' X 3'	268.70	262.44 SW	262.24 N
CB #122	2' X 3'	266.43	259.63 S	259.43 NE
CB #123	2' X 3'	262.73		258.29 SE
CB #124	2' X 3'	262.72	256.17 SW 258.11 NW 256.91 S	255.97 NE
CB #125	2' X 3'	252.95	246.61 E 245.81 SW	245.61 NW
CB #126	2' X 3'	252.92		248.69 SW
CB #127	2' X 3'	252.92	248.56 NE 247.58 SE	247.38 W
CB #128	2' X 3'	254.72	249.42 S	249.22 NW

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #129	2' X 3'	256.63		252.12 W
CB #130	2' X 3'	256.44	250.94 S 251.99 E	250.74 N
CB #131	2' X 3'	263.54		259.42 W
CB #132	2' X 3'	263.55	259.29 E 259.20 S	258.13 N
CB #133	2' X 3'	278.67		274.92 W
CB #134	2' X 3'	278.63	274.00 E 274.00 S	273.19 N
CB #135	2' X 3'	297.12		285.38 N
CB #136	2' X 3'	293.50	282.02 E 282.41 S	281.82 N
CB #137	2' X 3'	293.68	282.36 SE	282.16 W
CB #138	2' X 3'	292.75	282.75 E	282.55 NW
CB #139	2' X 3'	287.84	283.28 S	283.08 W
CB #140	2' X 3'	287.84		283.41 N
CB #141	2' X 3'	252.93	245.42 SE	245.22 N
CB #142	2' X 3'	260.08		255.38 NE
CB #143	2' X 3'	255.56	251.12 SW	249.94 NE
CB #144	2' X 3'	252.81		248.13 SE
CB #145	2' X 3'	252.79	247.82 SW 248.00 NW	247.62 NE
CB #146	2' X 3'	251.23		246.51 E

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #147	2' X 3'	251.11	245.62 SW 246.35 W	245.42 NE
CB #148	2' X 3'	250.41	244.91 SW	244.71 NE
CB #149	2' X 3'	249.97	242.35 SE 244.32 SW	242.15 NW
CB #150	2' X 3'	250.75		246.31 NW
CB #151	2' X 3'	250.75	246.12 SE	245.92 NE
CB #152	2' X 3'	249.93		245.24 NW
CB #153	2' X 3'	249.93	243.22 NE 245.05 SE 245.17 SW	243.02 NW
CB #154	2' X 3'	267.45		263.02 S
CB #155	2' X 3'	265.33	261.03 N	260.83 W
CB #156	2' X 3'	261.93	257.52 E	257.32 W
CB #157	2' X 3'	260.25	255.72 E	255.52 NW
CB #158	2' X 3'	258.82		254.24 SW
CB #159	2' X 3'	258.66	254.10 NE 254.10 SE	253.80 NW
CB #160	2' X 3'	257.43	252.18 SE	251.98 NW
CB #161	2' X 3'	260.87	253.43 SE	253.23 W
CB #162	2' X 3'	257.27	252.57 E	252.37 S
CB #163	2' X 3'	256.10	251.59 N	251.39 W
CB #164	2' X 3'	256.38	251.26 NE 250.98 SE	250.78 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #165	2' X 3'	254.77	248.89 E	248.69 NW
CB #166	2' X 3'	254.75	248.26 SE 248.87 N	248.06 SW
CB #167	2' X 3'	259.74	253.67 N 253.67 E	253.47 W
CB #168	2' X 3'	257.31	252.71 E	252.51 NW
CB #169	2' X 3'	256.65	251.92 SE	251.72 W
CB #170	2' X 3'	256.66	251.72 N 251.59 E	251.39 S
CB #171	2' X 3'	257.82	252.92 N	252.72 S
CB #172	2' X 3'	260.49		256.01 W
CB #173	2' X 3'	260.49	255.88 E 255.66 N	255.46 S
CB #174	2' X 3'	263.14		258.69 W
CB #174A	2' X 3'	263.14	258.56 E	258.29 S
CB #175	2' X 3'	263.00		258.83 S
CB #176	2' X 3'	263.00	258.70 N	258.50 S
CB #177	2' X 3'	262.33		257.89 S
CB #178	2' X 3'	262.33	257.76 N	257.56 SE
CB #179	2' X 3'	262.38	257.36 NW	257.16 E
CB #180	2' X 3'	281.96		277.52 N
CB #181	2' X 3'	281.95	276.95 S	276.75 W

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #182	2' X 3'	276.64	271.30 E	271.10 W
CB #183	2' X 3'	271.66		267.23 N
CB #184	2' X 3'	271.67	267.04 S 265.16 E	264.96 W
CB #185	2' X 3'	263.81	259.24 E	259.04 S
CB #185A	2' X 3'	267.02	258.55 N	258.35 SW
CB #185B	2' X 3'	265.10	258.13 NE 260.39 E	257.93 W
CB #186	2' X 3'	263.81		259.37 W
CB #187	2' X 3'	262.30	257.03 W	256.83 N
CB #188	2' X 3'	261.03	255.54 S	255.34 N
CB #189	2' X 3'	260.27	254.57 S	254.37 NE
CB #190	2' X 3'	257.52		253.33 S
CB #191	2' X 3'	257.51	253.20 N	253.00 E
CB #192	2' X 3'	256.62	252.36 W	252.16 E
CB #193	2' X 3'	255.99		251.69 S
CB #194	2' X 3'	255.99	251.69 W 251.56 N	251.36 E
CB #195	2' X 3'	255.22	250.53 W	250.33 E
CB #196	2' X 3'	254.60		250.17 S
CB #197	2' X 3'	254.50	250.03 N 249.71 W	249.51 SE

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #198	2' X 3'	253.55	247.81 NW	247.61 SE
CB #199	2' X 3'	253.41	247.18 NW	246.98 S
CB #200	2' X 3'	252.08		247.51 E
CB #201	2' X 3'	252.07	244.64 N 245.52 W	244.44 SW
CB #202	2' X 3'	250.97	244.03 NE	243.83 SW
CB #203	2' X 3'	249.94		244.04 SE
CB #204	2' X 3'	249.91	243.41 NE 243.91 NW	243.21 SW
CB #205	2' X 3'	249.53	242.90 NE	242.70 SW
CB #206	2' X 3'	249.15		243.86 S
CB #207	2' X 3'	249.12	242.15 NE 242.75 N	241.95 SW
CB #208	2' X 3'	248.17	241.20 N	241.00 SW
CB #208A	2' X 3'	248.29	240.75 NE	240.55 SW
CB #209	2' X 3'	247.82	240.68 NE	240.48 S
CB #210	2' X 3'	247.76	240.05 NE 240.33 N	239.85 SW
CB #211	2' X 3'	266.07		261.63 S
CB #212	2' X 3'	262.12	257.68 N	257.48 SE
CB #213	2' X 3'	259.94	255.42 NW	255.05 E
CB #215	2' X 3'	258.68	253.58 W	253.38 S

CATCH BASIN TABLE				
CB NO	SIZE	TOP	INV. IN	INV. OUT
CB #216	2' X 3'	258.65	253.25 N	253.05 SE
CB #217	2' X 3'	257.61	252.72 E 252.79 NW	252.52 S
CB #218	2' X 3'	257.50		253.14 W
CB #219	2' X 3'	254.42		249.46 W
CB #220	2' X 3'	254.40	248.94 E 248.50 N	248.30 S
CB #221	2' X 3'	251.62		245.35 W
CB #222	2' X 3'	251.61	245.22 E 244.57 N	244.37 S
CB #223	2' X 3'	248.57		243.56 W
CB #224	2' X 3'	248.10	243.25 E 242.60 N	242.40 SW
CB #225	2' X 3'	246.27	240.43 NE	240.23 S
CB #226	2' X 3'	246.24	239.27 N 239.27 NE	239.07 SW
CB #228	2' X 3'	248.94		244.50 S
CB #229	2' X 3'	244.35	240.10 N	239.90 S
CB #230	2' X 3'	241.64	239.18 N	238.98 E
CB #231	2' X 3'	242.73	238.66 N 238.66 W	238.46 SE
CB #232	2' X 3'	243.54	238.30 NE 238.30 NW	238.10 SE

FES TABLE				
FES NO	SIZE	TOP	INV. IN	INV. OUT
FES #301	36"	265.42		262.00 SE
FES #302	24"	263.87		261.54 S
FES #303	30"	242.88		240.00 SE
FES #304	24"	236.33		234.00 S
FES #305	24"	240.24		237.91 E
FES #306	42"	242.96		239.00 SE
FES #307	24"	237.79		235.46 SE
FES #308	30"	266.33		264.00 SW
FES #309	18"	264.96		263.17 E
FES #311	42"	243.96		240.00 E
FES #312	18"	239.79		238.00 S
FES #313	36"	243.42		240.00 S
FES #314	18"	240.29		238.50 S
FES #315	36"	253.42		250.00 SW
FES #316	15"	240.68		239.15 SE
FES #317	42"	240.96		237.00 NW
FES #318	18"	238.29		236.50 NW

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #201	2' X 3'	278.67		274.23 W
DI #202	2' X 3'	275.17	270.74 E	270.54 W
DI #203	2' X 3'	272.16	267.72 E	267.52 SW
DI #204	2' X 3'	270.25	265.82 NE 264.90 SE	264.70 NW
DI #205	2' X 3'	260.75		256.03 W
DI #206	2' X 3'	258.59	253.94 E	253.74 W
DI #207	2' X 3'	257.06	252.62 E	252.42 SW
DI #208	2' X 3'	256.23	250.97 SE 251.79 NE	250.39 N
DI #209	2' X 3'	284.71		280.26 SW
DI #210	2' X 3'	282.19	277.75 NE 277.75 SE	277.55 NW
DI #210A	2' X 3'	289.60	278.67 E	278.47 NW
DI #211	2' X 3'	272.84	268.14 SE	267.60 NW
DI #213	2' X 3'	284.15		279.45 NW
DI #214	2' X 3'	276.75		272.53 SE
DI #215	2' X 3'	278.63	274.43 SE 272.31 NW	272.10 SW

DROP INLET TABLE				
DI NO	SIZE	TOP	INV. IN	INV. OUT
DI #216	2' X 3'	272.23	267.59 NE	267.33 SW
DI #217	2' X 3'	267.22	262.54 NE 262.26 SE	261.87 NW
DI #218	2' X 3'	263.57	258.52 NE 258.35 SE	258.06 NW
DI #219	2' X 3'	252.39	246.63 SE	244.13 SW
DI #220	2' X 3'	249.10	242.95 NE	242.40 SW
DI #221	2' X 3'	247.40	241.45 NE 240.80 S	240.60 NW

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #601	2' X 3'	282.48		278.05 E
YI #602	2' X 3'	278.38	273.94 W	273.30 E
YI #603	2' X 3'	276.46	271.71 W	271.51 E
YI #604	2' X 3'	274.00	269.29 W	268.75 N
YI #605	2' X 3'	279.78		275.34 E
YI #606	2' X 3'	277.20	272.76 W	272.44 E
YI #607	2' X 3'	274.74	270.24 W	270.04 E
YI #608	2' X 3'	273.35	265.48 S 267.78 W	265.28 N
YI #609	2' X 3'	277.94		273.50 E
YI #610	2' X 3'	274.44	270.00 W	269.80 E
YI #611	2' X 3'	271.00	266.56 W	266.36 NE
YI #612	2' X 3'	279.98		275.39 N
YI #613	2' X 3'	277.95	273.75 S	273.55 N
YI #614	2' X 3'	273.88	269.38 S	269.18 E
YI #615	2' X 3'	275.50		271.06 N
YI #616	2' X 3'	270.27	265.90 S	265.70 W

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #617	2' X 3'	268.21		263.77 W
YI #618	2' X 3'	270.79	266.27 SE	266.07 NW
YI #618	2' X 3'	283.30		278.86 W
YI #619	2' X 3'	279.79	275.35 SE	275.15 NW
YI #620	2' X 3'	290.27	285.83 SE	285.63 NW
YI #621	2' X 3'	295.28	290.29 SE	290.09 NW
YI #622	2' X 3'	301.57		296.78 NW
YI #623	2' X 3'	264.10	260.64 SE	259.34 N
YI #624	2' X 3'	275.14	270.45 SE	270.25 NW
YI #625	2' X 3'	283.26		278.45 NW
YI #626	2' X 3'	250.05	243.74 S 245.09 SW	243.54 NW
YI #627	2' X 3'	250.32	243.05 SE	242.85 NW
YI #628	2' X 3'	252.43		247.99 NE
YI #629	2' X 3'	250.60	246.02 SW	245.82 NE
YI #630	2' X 3'	258.26		253.82 NW
YI #632	2' X 3'	261.00	256.83 N	256.27 S

YARD INLET TABLE				
YI NO	SIZE	TOP	INV. IN	INV. OUT
YI #633	2' X 3'	259.08	254.35 N	254.15 S
YI #634	2' X 3'	261.61		257.20 N
YI #635	2' X 3'	260.27	255.70 S	255.50 N
YI #636	2' X 3'	257.75	253.85 S	253.61 N
YI #637	2' X 3'	258.53	252.85 S	252.65 NW
YI #638	2' X 3'	249.35		244.91 SW
YI #639	2' X 3'	247.40	242.96 NE	242.76 SW
YI #640	2' X 3'	252.83		248.39 S
YI #641	2' X 3'	249.58	243.41 N 242.16 NE	241.96 S
YI #642	2' X 3'	249.00	241.51 N	241.31 S
YI #643	2' X 3'	254.20		249.76 S
YI #644	2' X 3'	250.39	245.96 N	245.69 S
YI #645	2' X 3'	246.41	240.78 N	238.78 S
YI #646	2' X 3'	243.65	237.54 NW	237.34 SE

SDMH TABLE				
SDMH NO	SIZE	TOP	INV. IN	INV. OUT
JUNCTION #01	4'	293.53	289.86 SE	289.66 W
JUNCTION #02	4'	285.02	281.31 S	281.11 NW
JUNCTION #03	4'	290.97	287.16 S	286.96 NE
SDMH #501	4'	269.00	262.68 S 263.80 SW	262.48 NW
SDMH #502	4'	265.17	256.07 SW	254.50 N
SDMH #503	4'	255.17	246.09 S	244.09 NW
SDMH #504	4'	245.67	239.74 SE	239.54 NW
SDMH #505	4'	248.01	241.17 SE	240.97 W
SDMH #506	4'	246.84	241.04 SE	240.84 N
SDMH #507	4'	256.47	252.00 SW 252.13 SE	250.72 NE

OCS TABLE				
OCS NO	SIZE	TOP	INV. IN	INV. OUT
OCS #401	2' X 3'	267.00		262.00 N
OCS #402	2' X 3'	240.00		235.31 N
OCS #403	2' X 3'	242.00		236.00 NW
OCS #404	2' X 3'	266.21		264.00 W
OCS #405	2' X 3'	243.00		239.00 N
OCS #406	2' X 3'	245.00		240.00 N
OCS #407	2' X 3'	253.00		246.58 NW
OCS #408	2' X 3'	239.22		237.00 SE

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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C-8.11

57 OF 133

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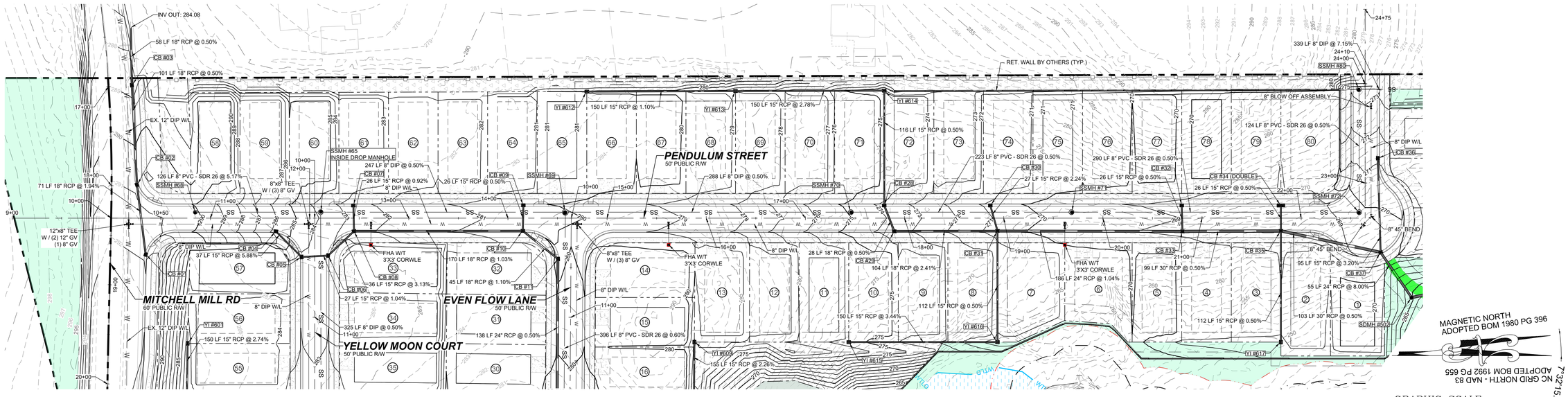

PROPOSED PENDULUM STREET - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

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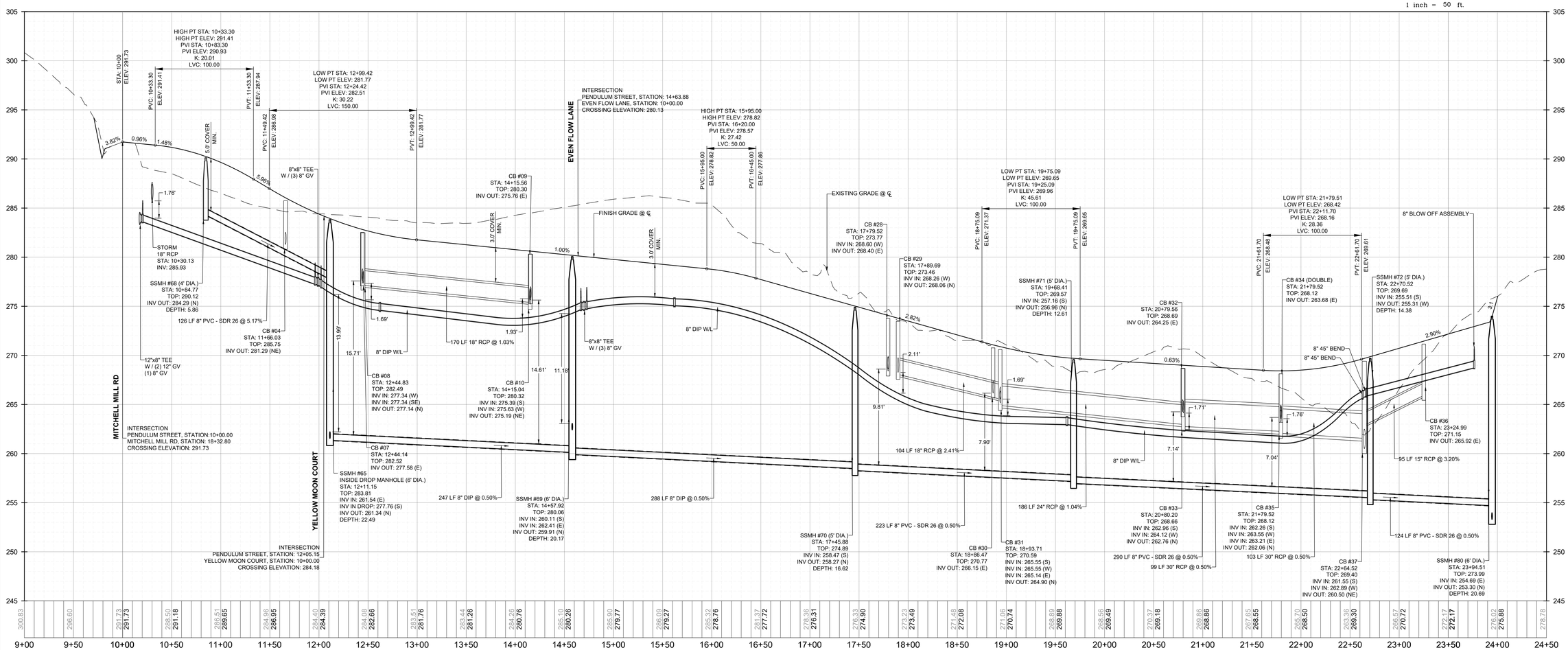
(IN FEET)
1 inch = 50 ft.



PROPOSED PENDULUM STREET - PROFILE

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

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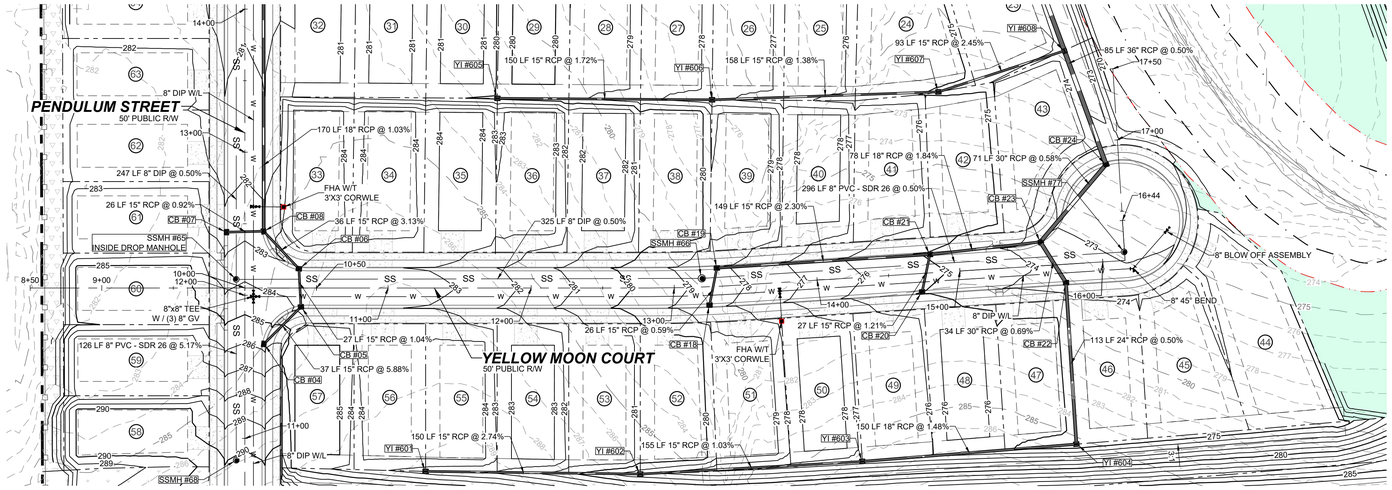
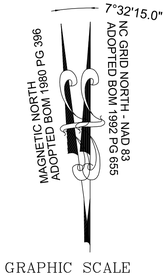
PROPOSED PENDULUM STREET - PLAN & PROFILE

DRAWING SHEET
C-9.0



PROPOSED YELLOW MOON COURT - PLAN

HORIZONTAL: 1" = 50'



GRAPHIC SCALE

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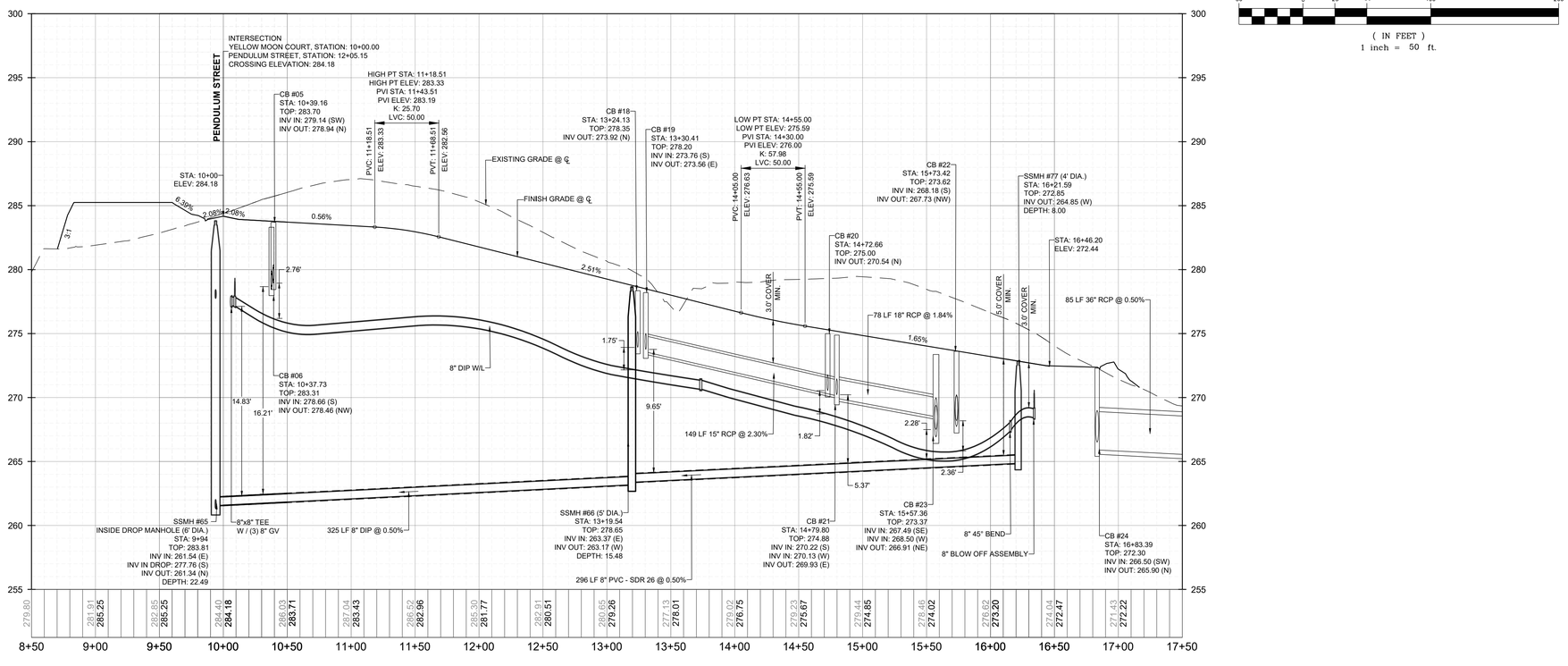
(IN FEET)
1 inch = 50 ft.



PROPOSED YELLOW MOON COURT - PROFILE

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

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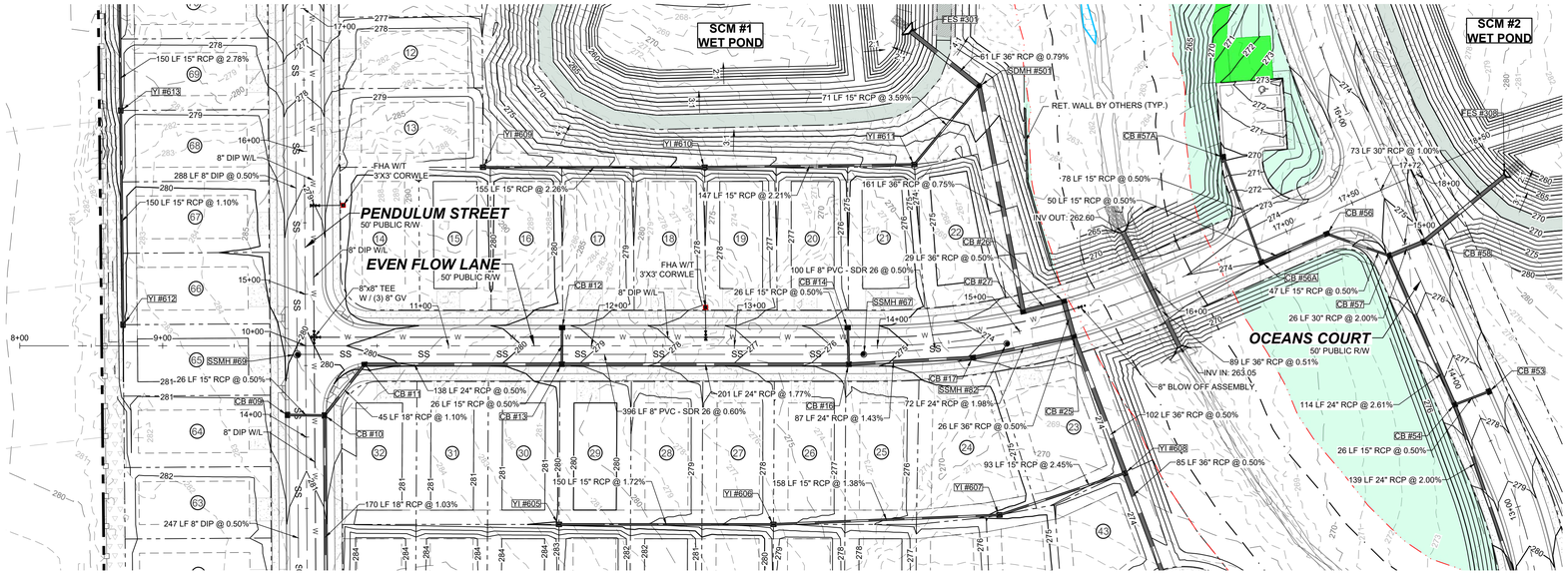
DRAWING SHEET

C-9.1



PROPOSED EVEN FLOW LANE - PLAN
HORIZONTAL: 1" = 50'

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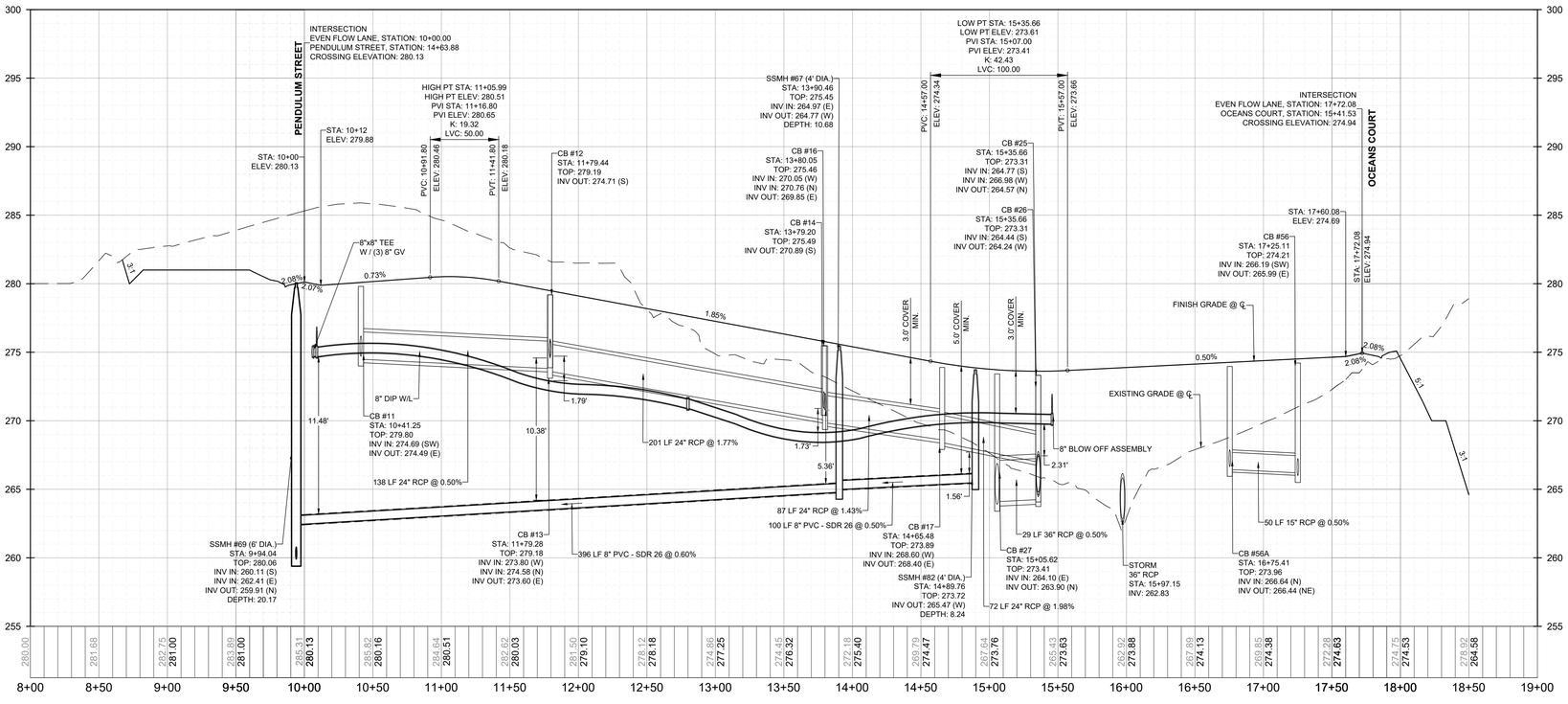
(IN FEET)
1 inch = 50 ft.



PROPOSED EVEN FLOW LANE - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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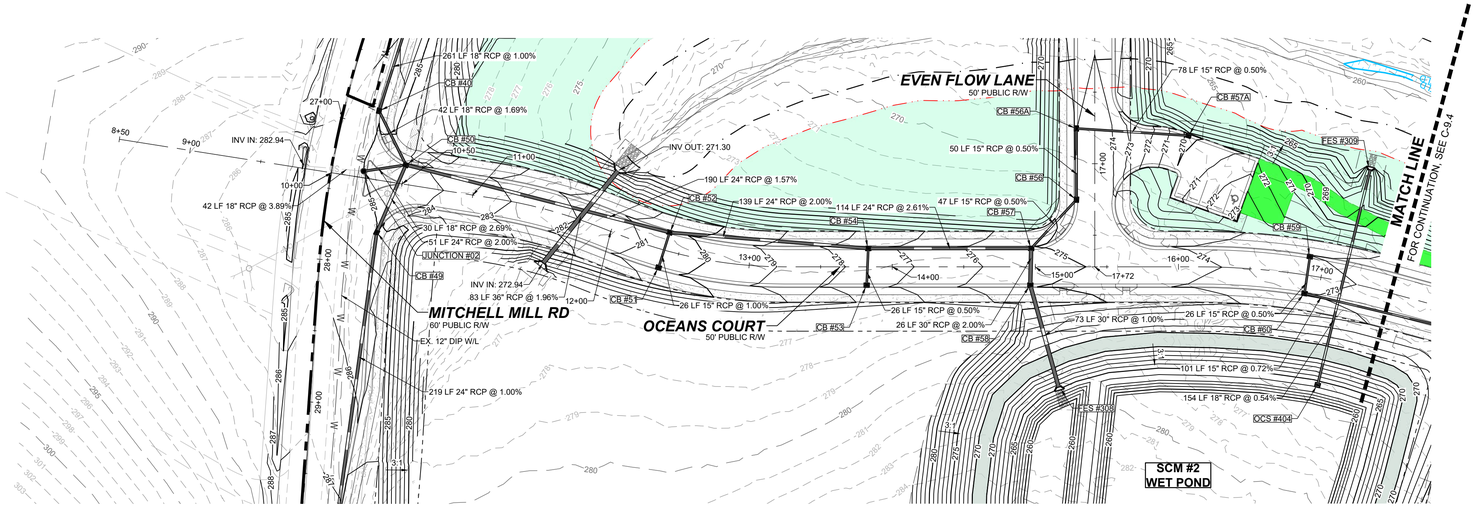
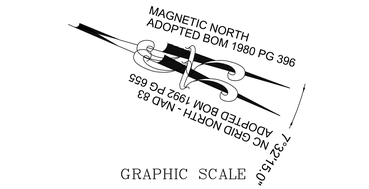
PROPOSED EVEN FLOW LANE - PLAN & PROFILE

DRAWING SHEET
C-9.2



PROPOSED OCEANS COURT - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

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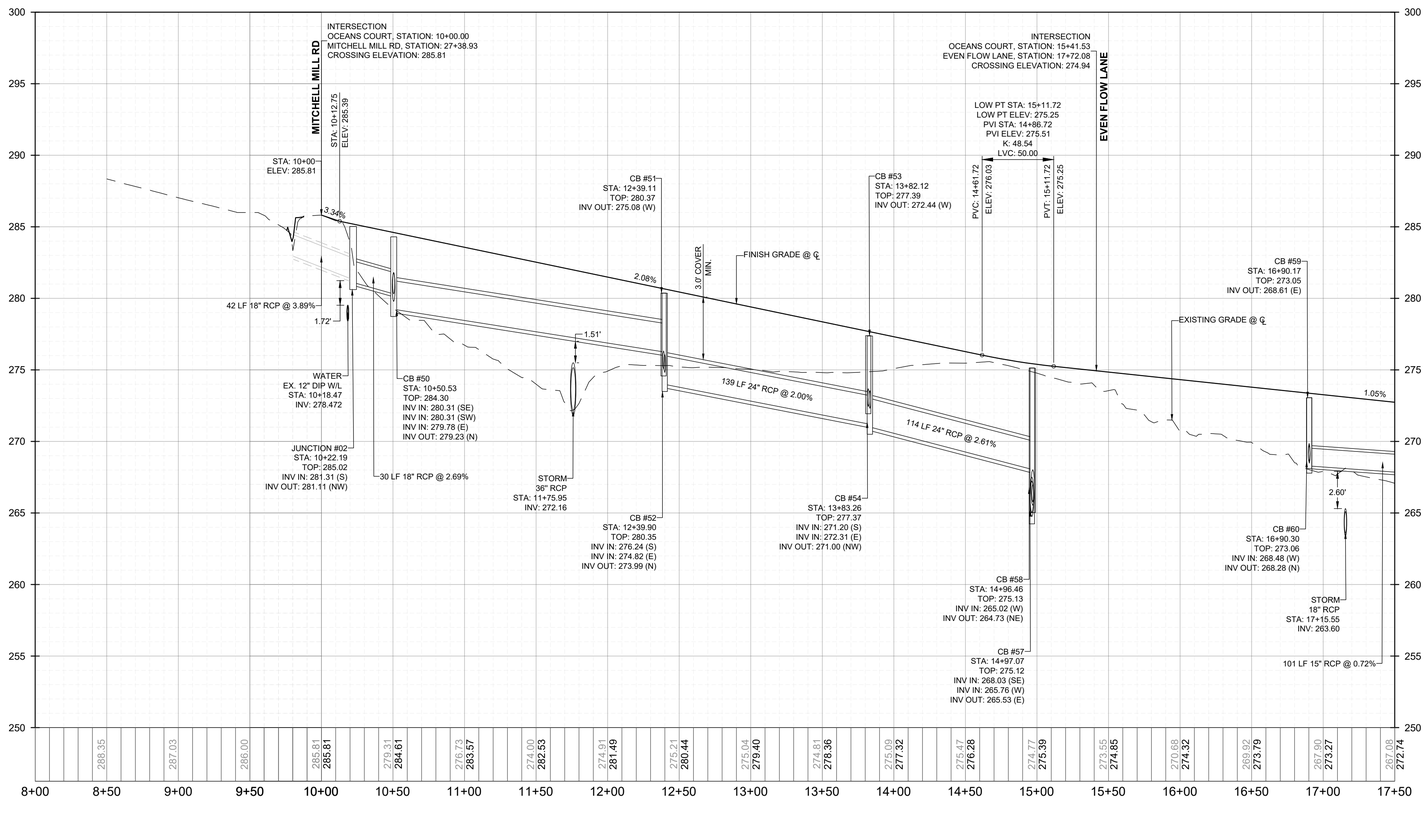
(IN FEET)
1 inch = 50 ft.



PROPOSED OCEANS COURT - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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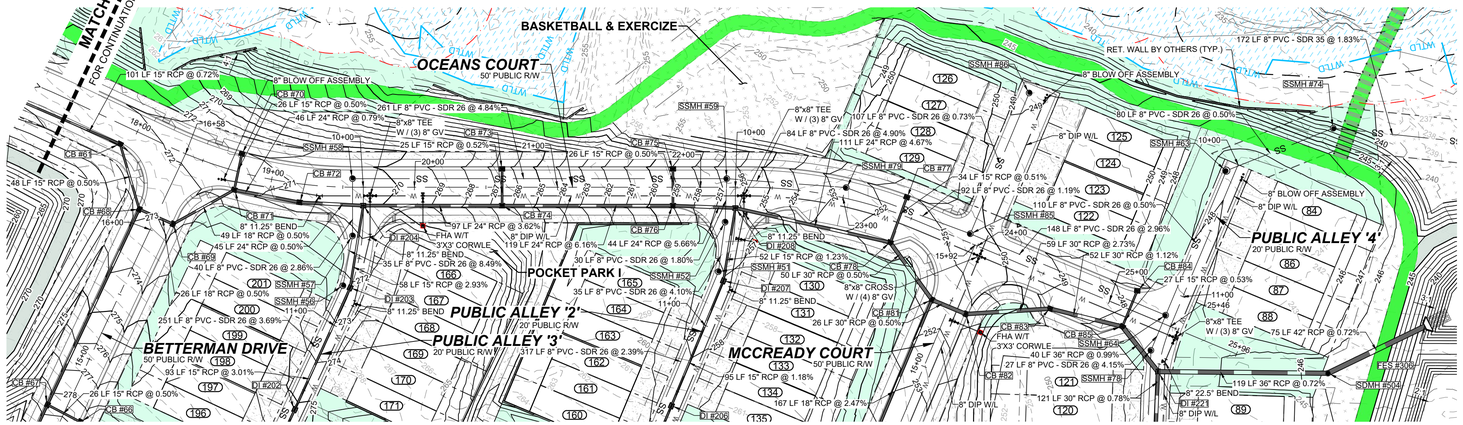
DRAWING SHEET
C-9.3



PROPOSED OCEANS COURT - PLAN
HORIZONTAL: 1" = 50'

GRAPHIC SCALE

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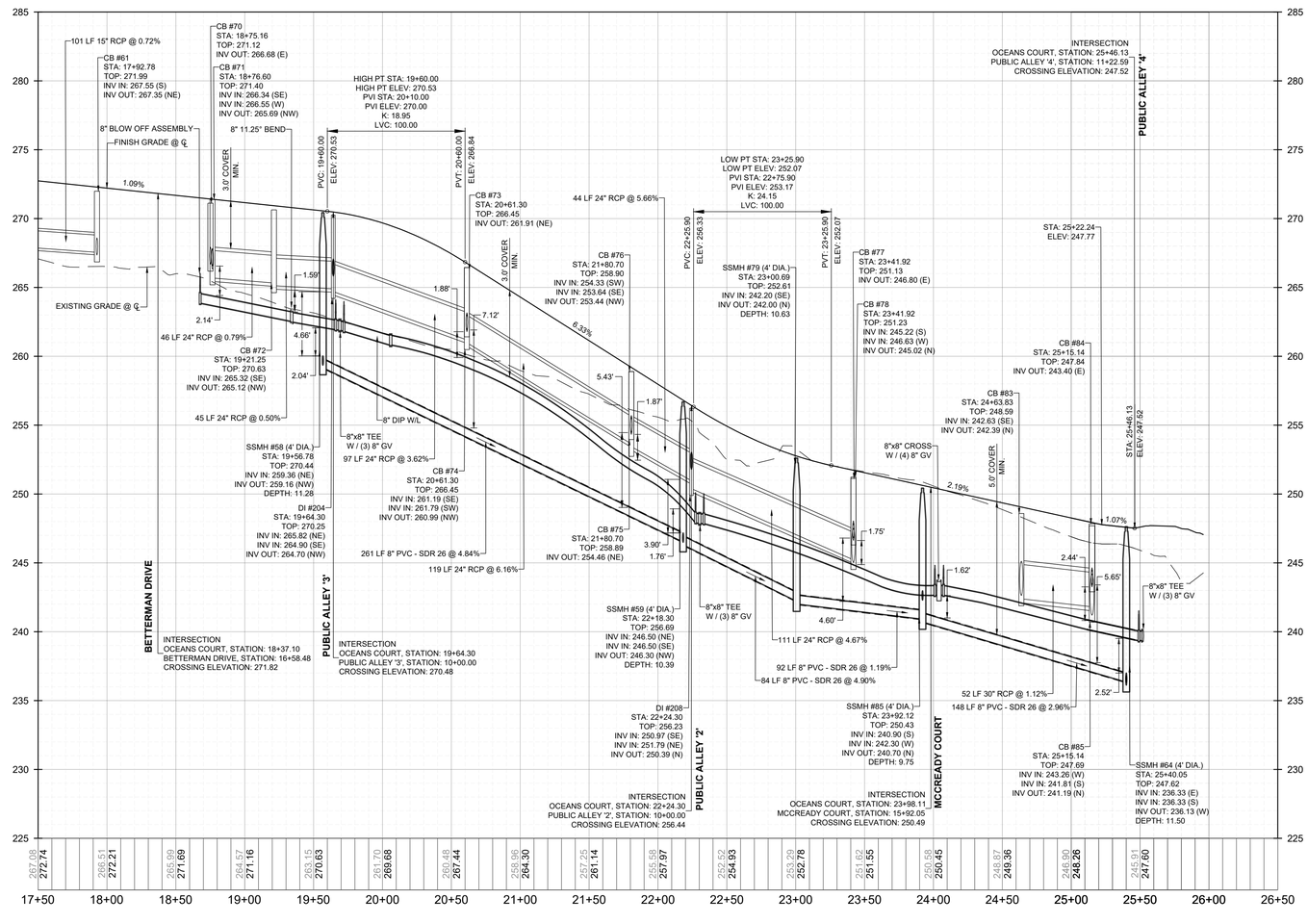
(IN FEET)
1 inch = 50 ft.



PROPOSED OCEANS COURT - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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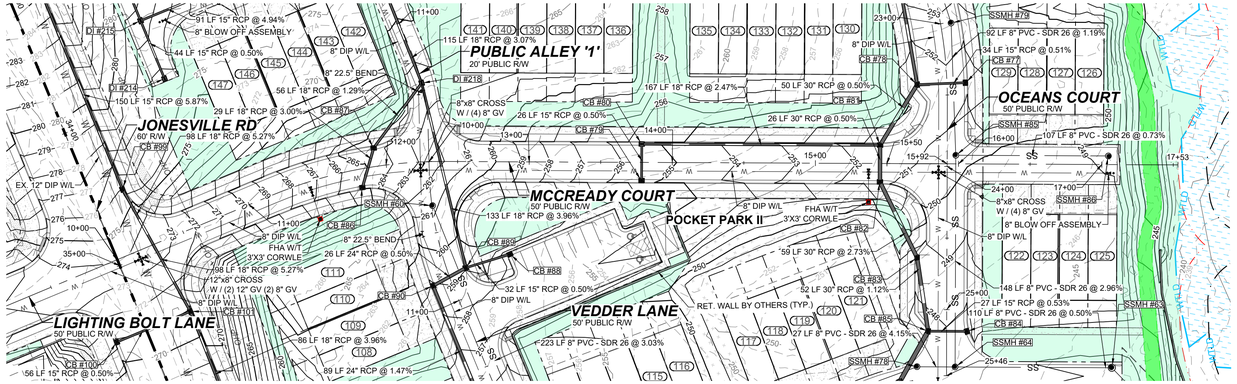
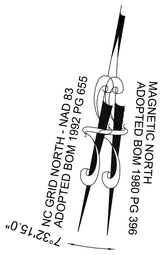
DRAWING SHEET
C-9.4



PROPOSED MCCREADY COURT - PLAN

HORIZONTAL: 1" = 50'



GRAPHIC SCALE

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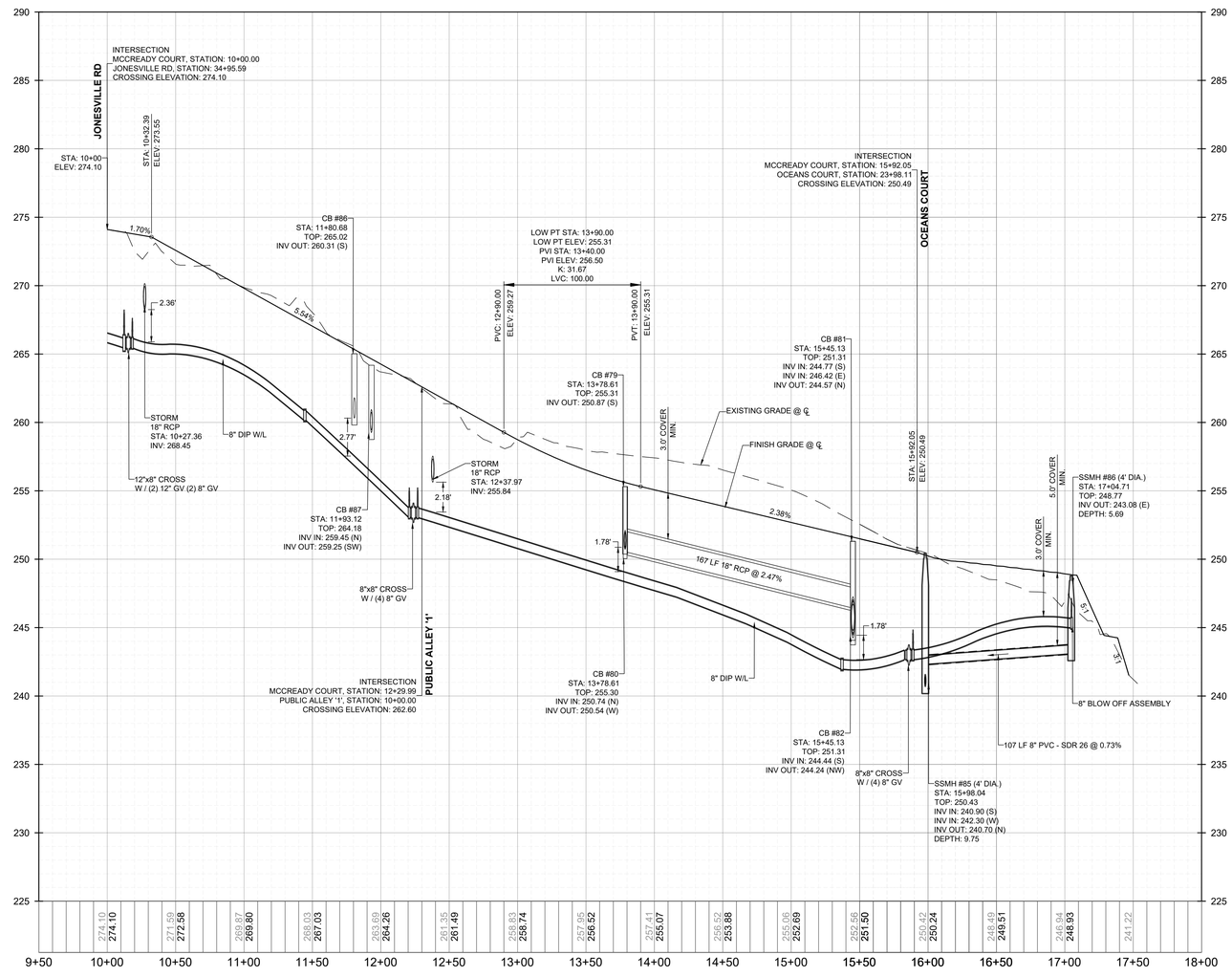
(IN FEET)
1 inch = 50 ft.



PROPOSED MCCREADY COURT - PROFILE

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

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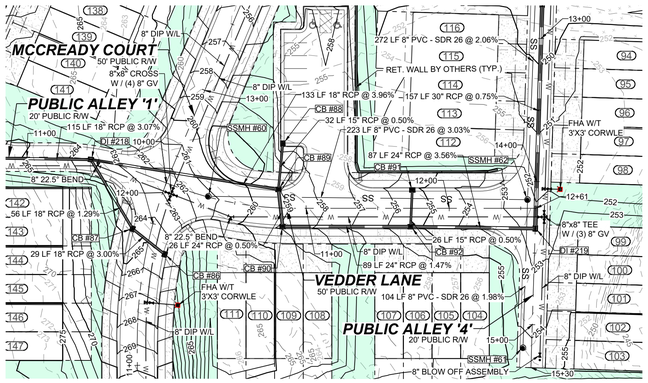
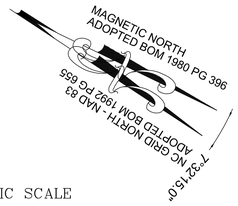
DRAWING / SHEET
C-8.5



PROPOSED VEDDER LANE - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

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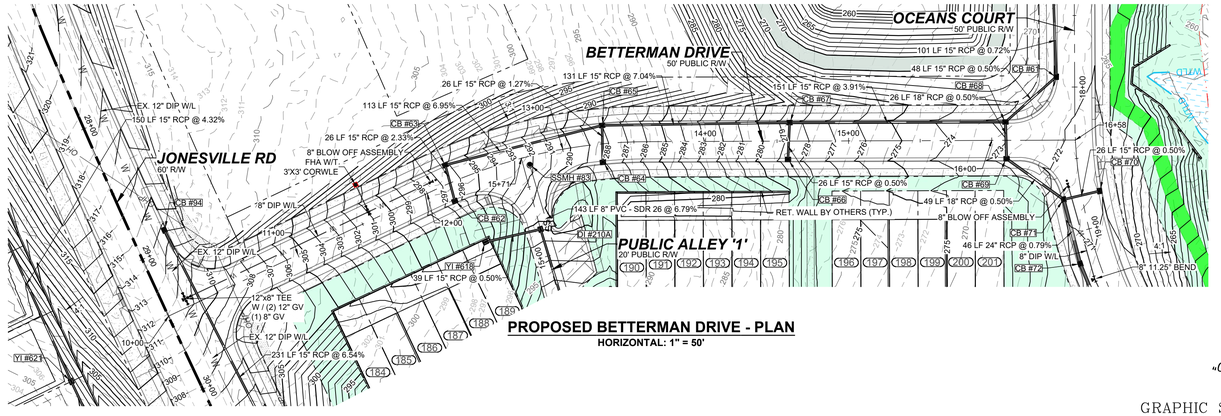
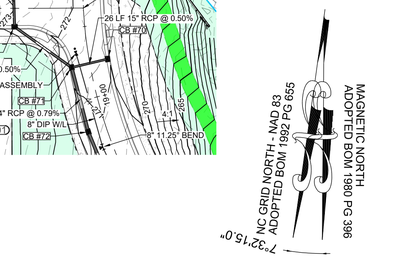
(IN FEET)
1 inch = 50 ft.



PROPOSED BETTERMAN DRIVE - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

PROPOSED VEDDER LANE- PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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

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No.	REVISIONS	DATE	BY

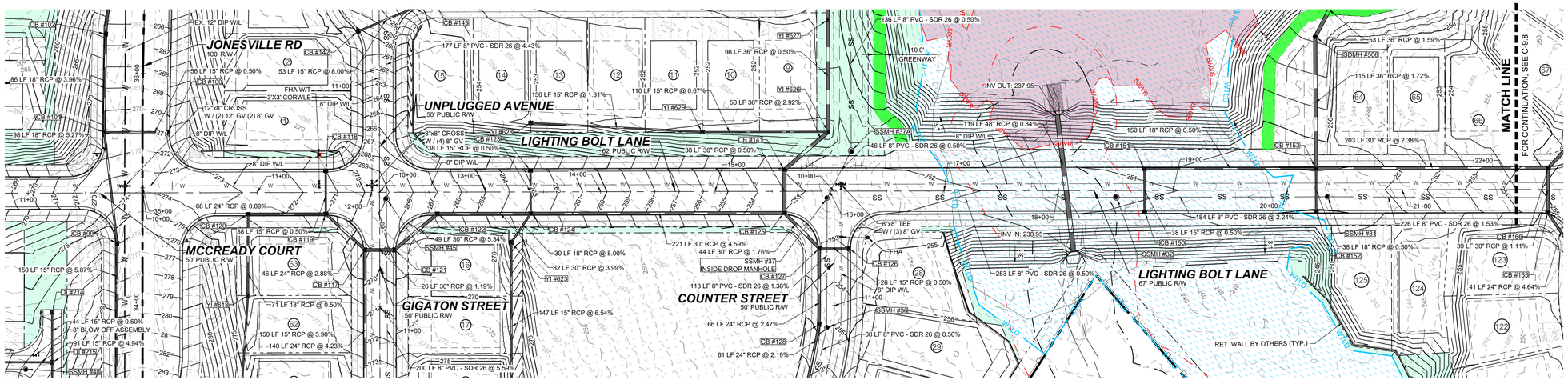
SEAL
NORTH CAROLINA PROFESSIONAL
SEAL 036225 ENGINEER
JOSHUA W. LAMBERT

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

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

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED VEDDER LANE & BETTERMAN DRIVE - PLAN & PROFILE

DRAWING SHEET
C-9.6



PROPOSED LIGHTING BOLT LANE - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

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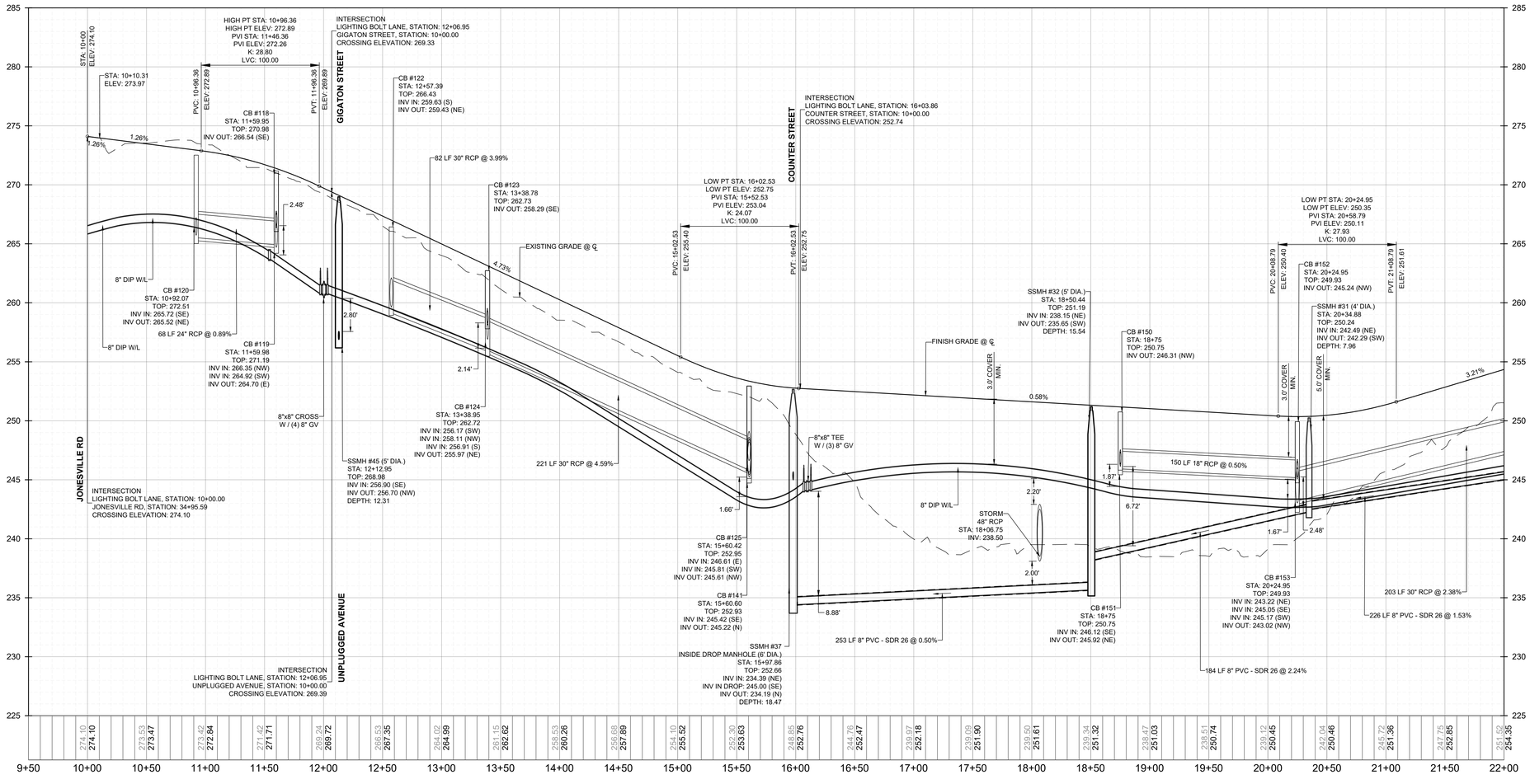
(IN FEET)
1 inch = 50 ft.



PROPOSED LIGHTING BOLT LANE - PROFILE

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONG ROCK ENGINEERING GROUP

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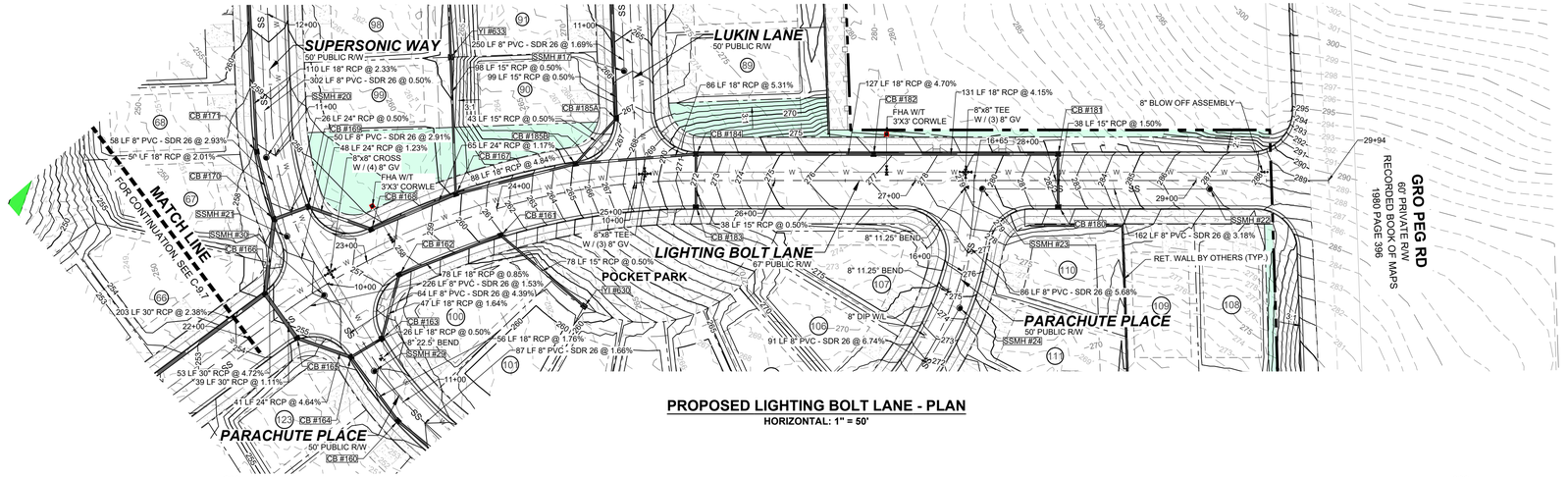
ENGINEERING GROUP

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

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

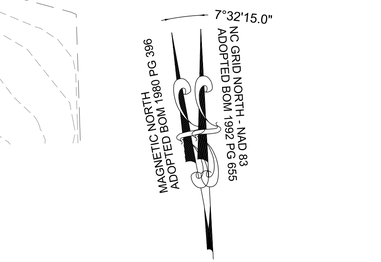
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED LIGHTING BOLT LANE - PLAN & PROFILE

DRAWING SHEET
C-9.7



PROPOSED LIGHTING BOLT LANE - PLAN

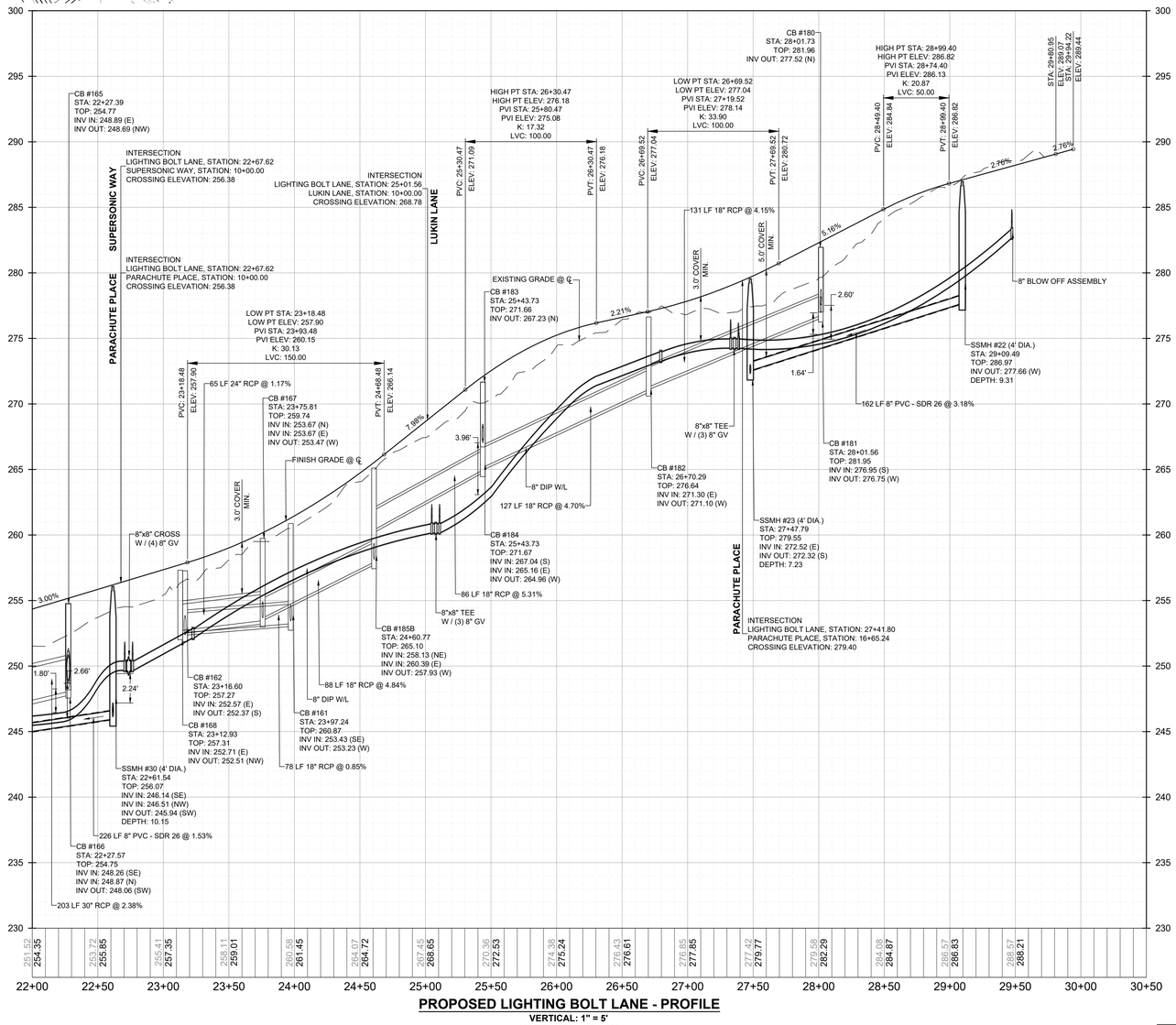
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED LIGHTING BOLT LANE - PROFILE

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

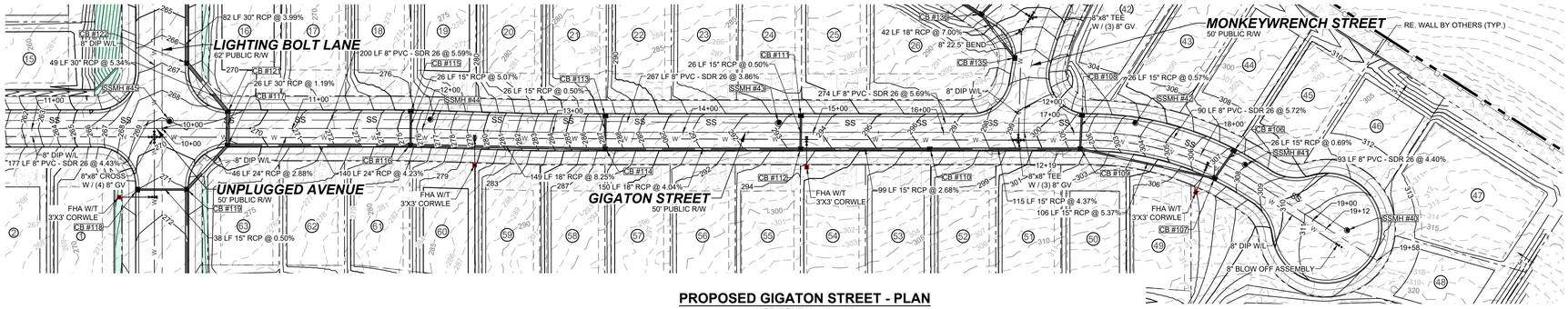
STRONG ROCK PROJECT PSP-23-03			
NOT FOR CONSTRUCTION	SCALE	AS SHOWN	
	DESIGNED BY	JWL	
	DRAWN BY	SRG	
	CHECKED BY	JWL	

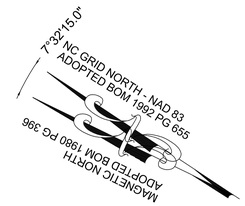
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PROPOSED LIGHTING BOLT LANE - PLAN & PROFILE

DRAWING SHEET

C-9.8





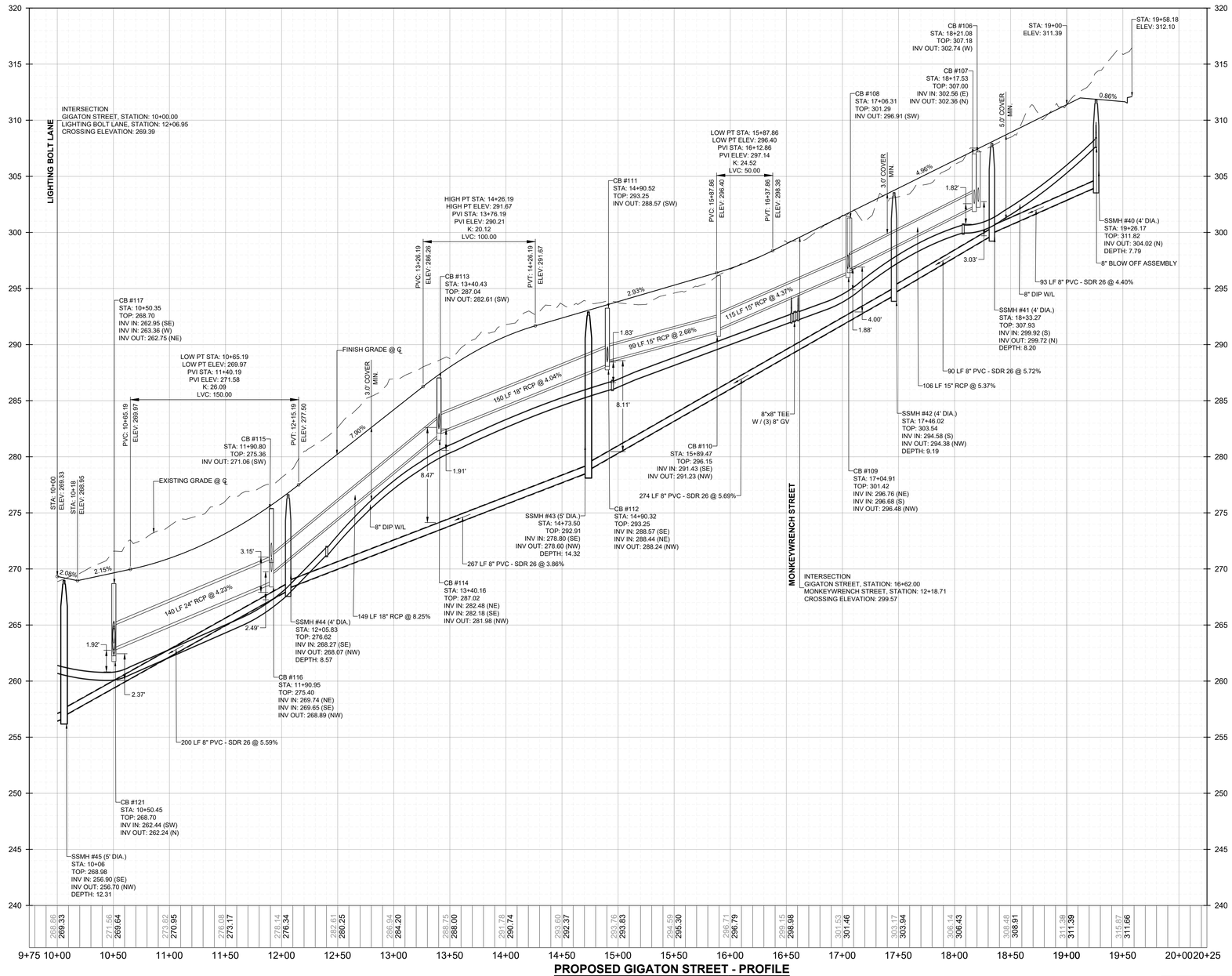
PROPOSED GIGATON STREET - PLAN

HORIZONTAL: 1" = 50'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED GIGATON STREET - PROFILE

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

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STRONG ROCK PROJECT PSP-23-03	
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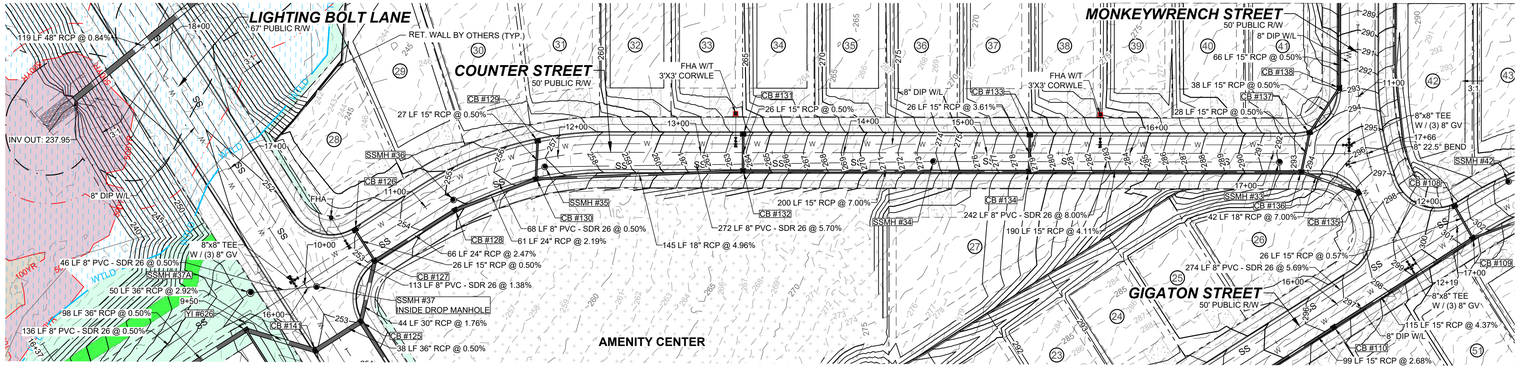
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED GIGATON STREET - PLAN & PROFILE

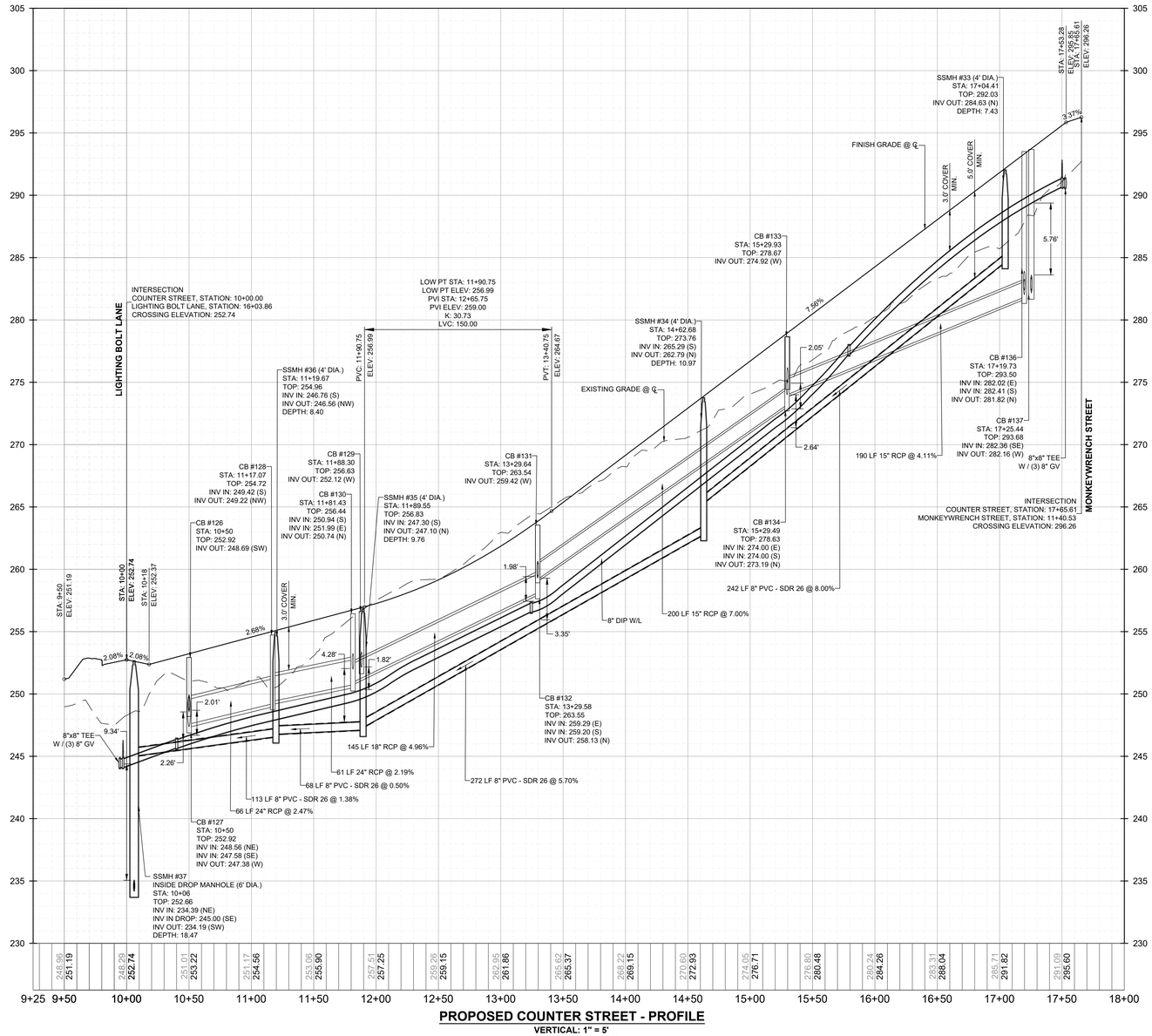
DRAWING SHEET
C-9.9

67 OF 133



PROPOSED COUNTER STREET - PLAN

HORIZONTAL: 1" = 50'



PROPOSED COUNTER STREET - PROFILE

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

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED COUNTER STREET - PLAN & PROFILE

DRAWING SHEET
C-9.10

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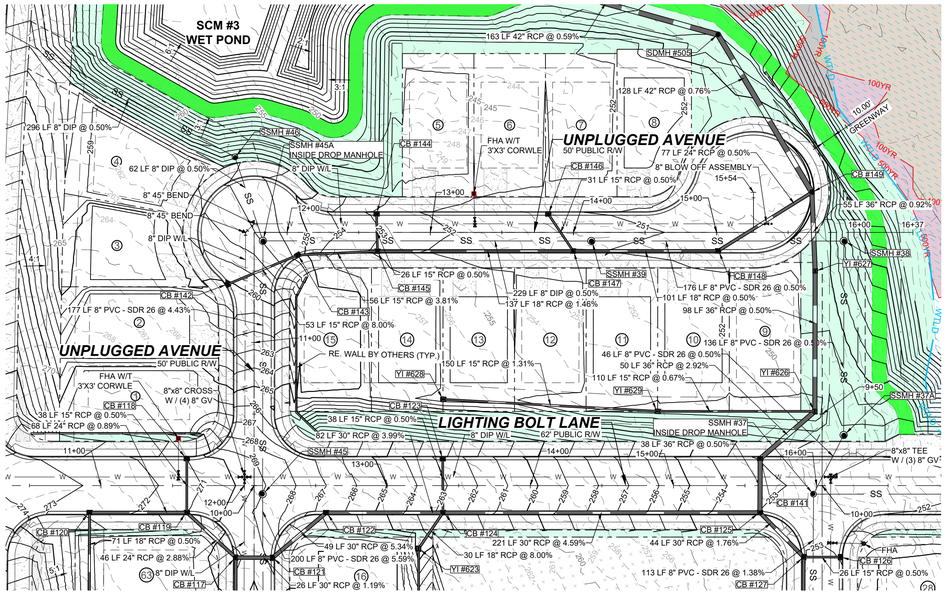
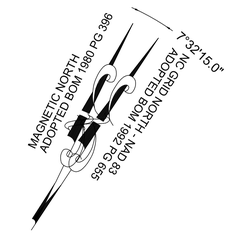


PROPOSED UNPLUGGED AVENUE - PLAN

HORIZONTAL: 1" = 50'

PROPOSED UNPLUGGED AVENUE - PROFILE

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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

STRONGROCK

ENGINEERING GROUP

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SCALE	AS SHOWN
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DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED UNPLUGGED AVENUE - PLAN & PROFILE

DRAWING SHEET

C-9.11

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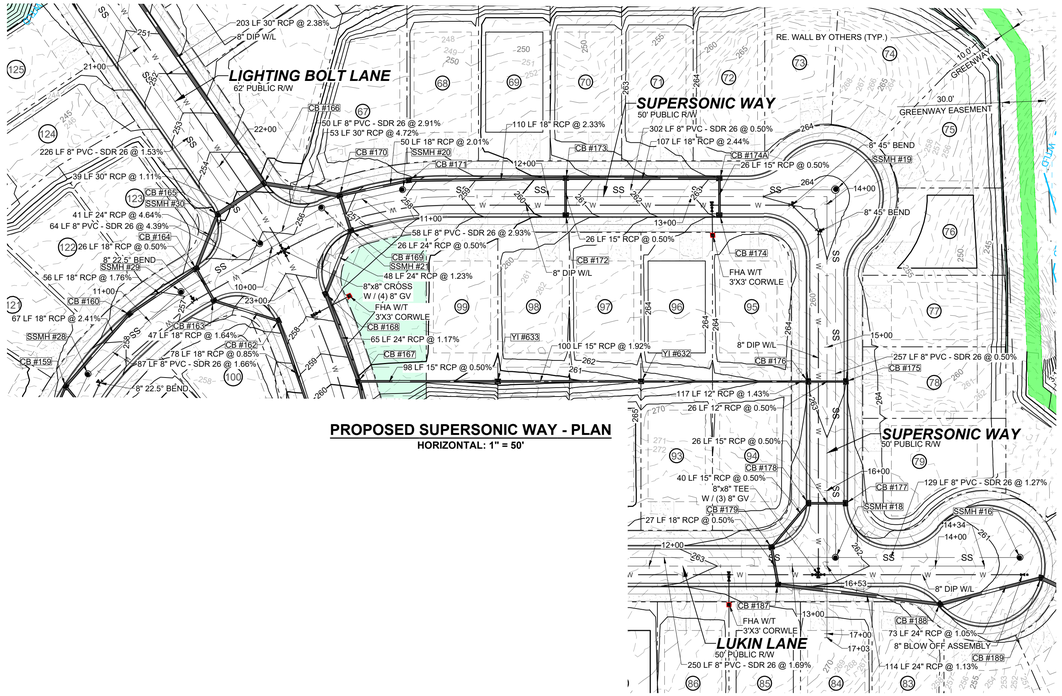
LIGHTING BOLT LANE
62' PUBLIC R/W
SUPERSONIC WAY
50' PUBLIC R/W
LUKIN LANE
50' PUBLIC R/W
RE. WALL BY OTHERS (TYP.)
GREENWAY
30.0'
GREENWAY EASEMENT
203 LF 30" RCP @ 2.38%
8" DIP W/L
226 LF 8" PVC - SDR 26 @ 1.53%
38 LF 30" RCP @ 1.11%
41 LF 24" RCP @ 4.64%
64 LF 8" PVC - SDR 26 @ 4.39%
26 LF 18" RCP @ 0.50%
8" 22.5° BEND
56 LF 18" RCP @ 1.76%
67 LF 18" RCP @ 2.41%
47 LF 18" RCP @ 1.64%
78 LF 18" RCP @ 0.85%
87 LF 8" PVC - SDR 26 @ 1.66%
8" 22.5° BEND
150 LF 8" PVC - SDR 26 @ 2.91%
153 LF 30" RCP @ 4.72%
110 LF 18" RCP @ 2.33%
50 LF 18" RCP @ 2.01%
302 LF 8" PVC - SDR 26 @ 0.50%
107 LF 18" RCP @ 2.44%
26 LF 15" RCP @ 0.50%
8" 45° BEND
58 LF 8" PVC - SDR 26 @ 2.93%
26 LF 24" RCP @ 0.50%
48 LF 24" RCP @ 1.23%
8"x8" CROSS W / (4) 8" GV
65 LF 24" RCP @ 1.17%
98 LF 15" RCP @ 0.50%
26 LF 15" RCP @ 0.50%
8" DIP W/L
100 LF 15" RCP @ 1.92%
117 LF 12" RCP @ 1.43%
257 LF 8" PVC - SDR 26 @ 0.50%
26 LF 12" RCP @ 0.50%
26 LF 15" RCP @ 0.50%
40 LF 15" RCP @ 0.50%
8"x8" TEE W / (3) 8" GV
27 LF 18" RCP @ 0.50%
129 LF 8" PVC - SDR 26 @ 1.27%
73 LF 24" RCP @ 1.05%
8" BLOW OFF ASSEMBLY
114 LF 24" RCP @ 1.13%
250 LF 8" PVC - SDR 26 @ 1.69%
FHA W/T 3'X3' CORWLE
SSMH #19
SSMH #20
SSMH #21
SSMH #28
SSMH #29
SSMH #30
SSMH #18
SSMH #16
CB #158
CB #159
CB #160
CB #162
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CB #188
CB #189
YI #633
YI #632
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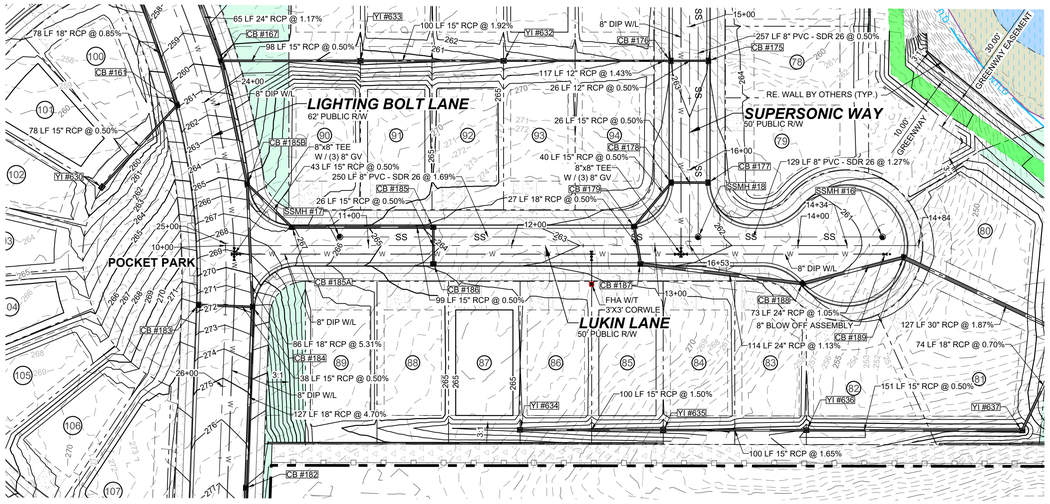
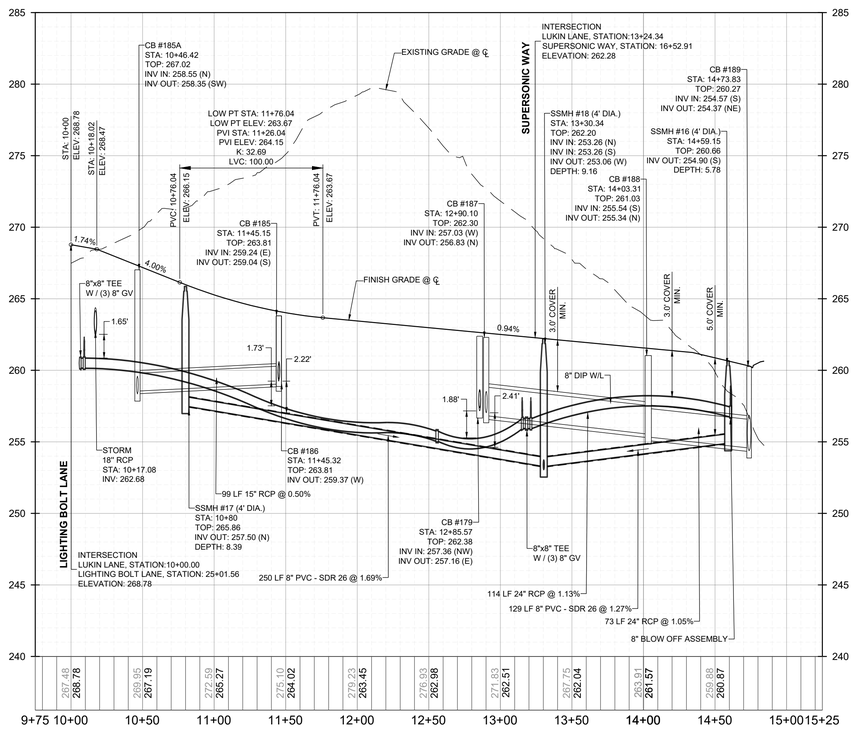
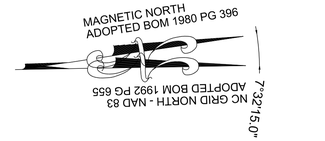


PROPOSED LUKIN LANE - PLAN
HORIZONTAL: 1" = 50'



PROPOSED LUKIN LANE - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



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

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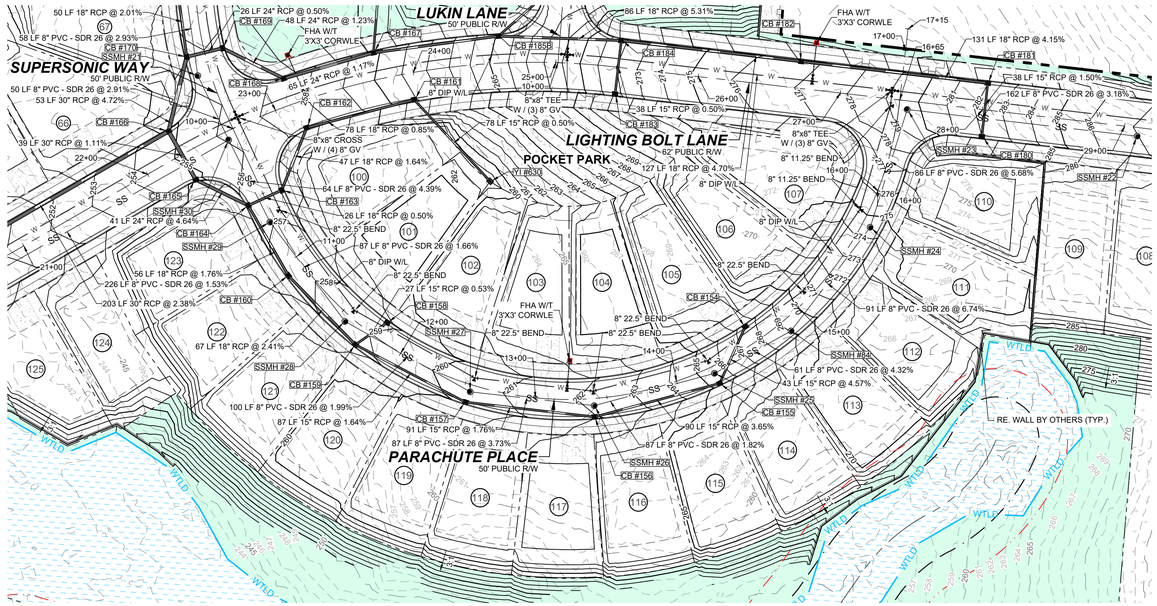
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED LUKIN LANE - PLAN & PROFILE

DRAWING SHEET
C-9.13


LUKIN LANE
50' PUBLIC R/W
SUPERSONIC WAY
50' PUBLIC R/W
LIGHTING BOLT LANE
50' PUBLIC R/W
POCKET PARK
PARACHUTE PLACE
50' PUBLIC R/W
50 LF 18" RCP @ 2.01%
59 LF 8" PVC - SDR 26 @ 2.93%
50 LF 8" PVC - SDR 26 @ 2.91%
53 LF 30" RCP @ 4.72%
39 LF 30" RCP @ 1.11%
26 LF 24" RCP @ 0.50%
48 LF 24" RCP @ 1.23%
65 LF 24" RCP @ 1.17%
78 LF 18" RCP @ 0.85%
78 LF 15" RCP @ 0.50%
47 LF 18" RCP @ 1.64%
64 LF 8" PVC - SDR 26 @ 4.39%
41 LF 24" RCP @ 4.64%
26 LF 18" RCP @ 0.50%
87 LF 8" PVC - SDR 26 @ 1.66%
56 LF 18" RCP @ 1.76%
226 LF 8" PVC - SDR 26 @ 1.53%
203 LF 30" RCP @ 2.38%
27 LF 15" RCP @ 0.53%
67 LF 18" RCP @ 2.41%
100 LF 8" PVC - SDR 26 @ 1.99%
87 LF 15" RCP @ 1.64%
91 LF 15" RCP @ 1.76%
87 LF 8" PVC - SDR 26 @ 3.73%
86 LF 18" RCP @ 5.31%
38 LF 15" RCP @ 0.50%
127 LF 18" RCP @ 4.70%
8" 22.5° BEND
8" DIP W/L
8"x8" TEE W / (3) 8" GV
8"x8" GROSS W / (4) 8" GV
8" 11.25° BEND
FHA W/T 3'X3' CORWLE
CB #182
CB #184
CB #183
CB #180
CB #181
CB #185
CB #186
CB #187
CB #188
CB #189
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CB #191
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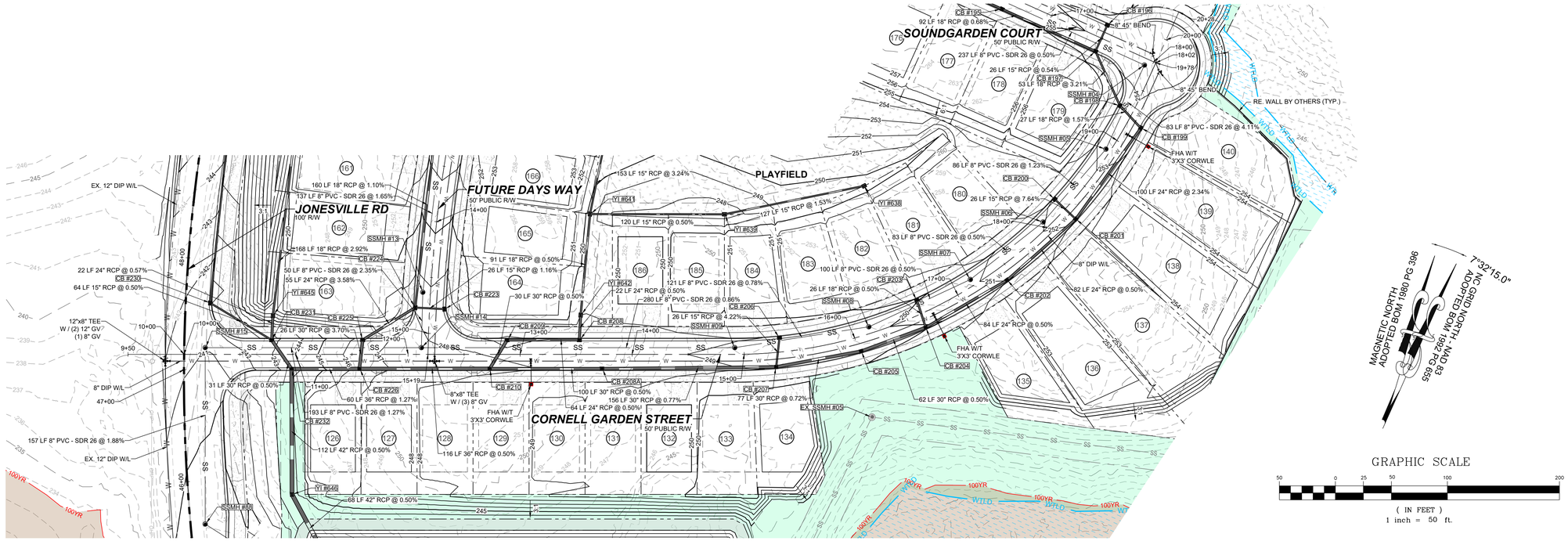
CB #203
CB #204
CB

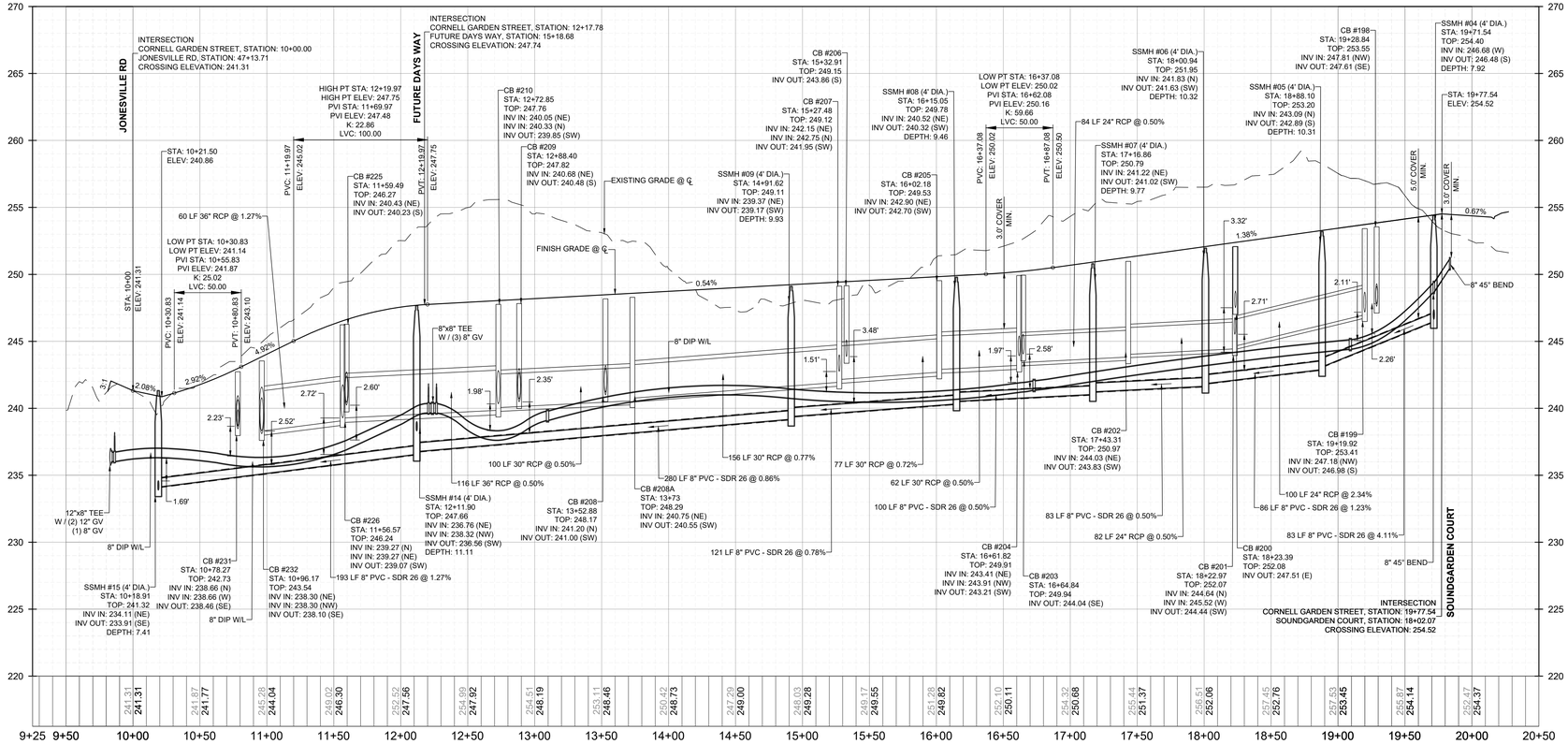


GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

PROPOSED CORNELL GARDEN STREET - PLAN
HORIZONTAL: 1" = 50'



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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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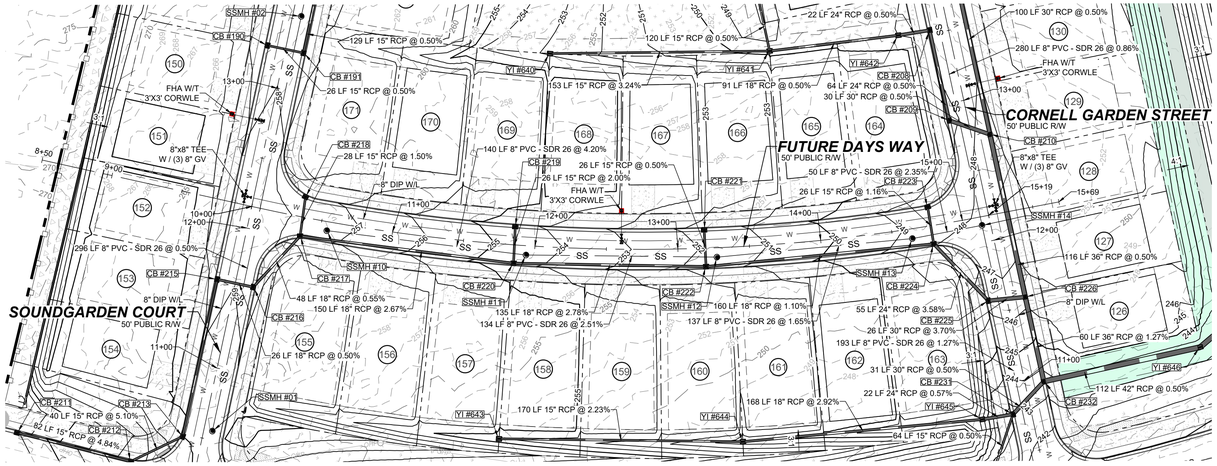
DRAWN BY	SRG
CHECKED BY	JWL

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

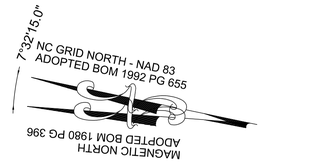
PROPOSED CORNELL GARDEN STREET - PLAN & PROFILE

DRAWING SHEET

C-9.15



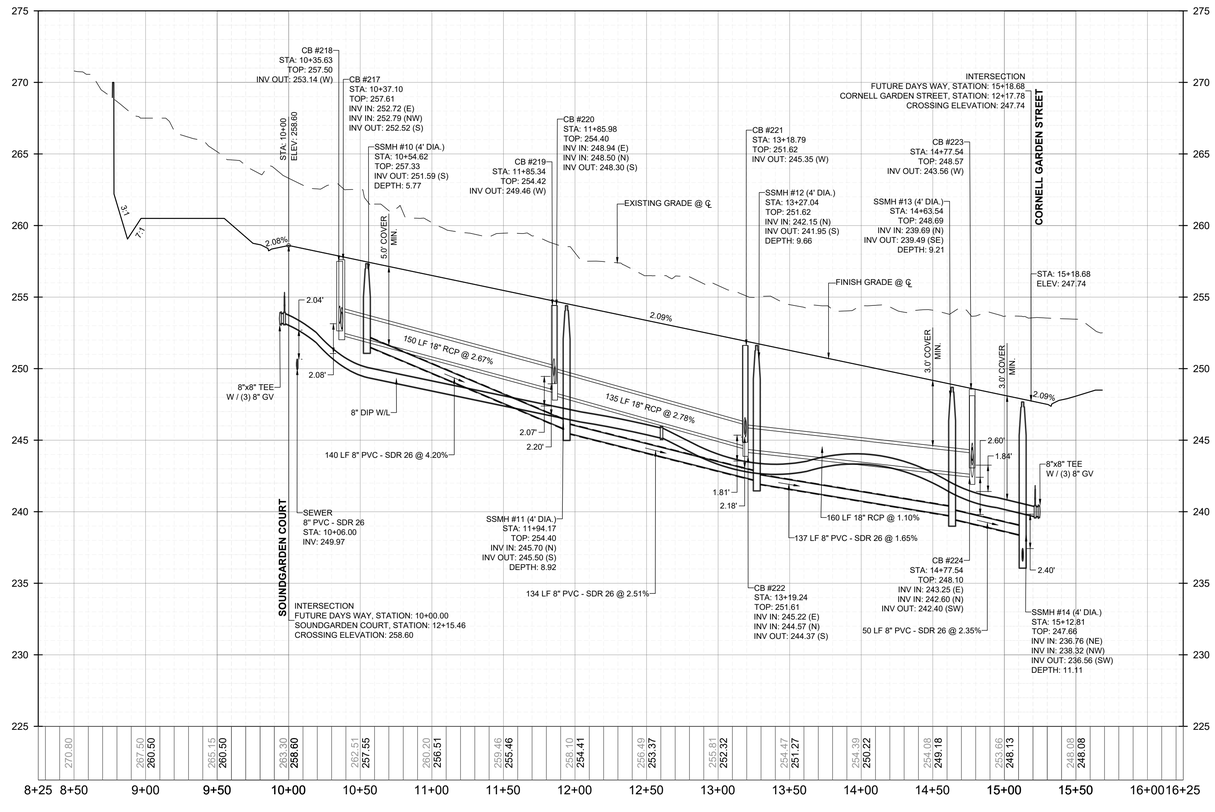
PROPOSED FUTURE DAYS WAY - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED FUTURE DAYS WAY - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL
SEAL
036225
ENGINEER
JOSHUA W. LAMBERT

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

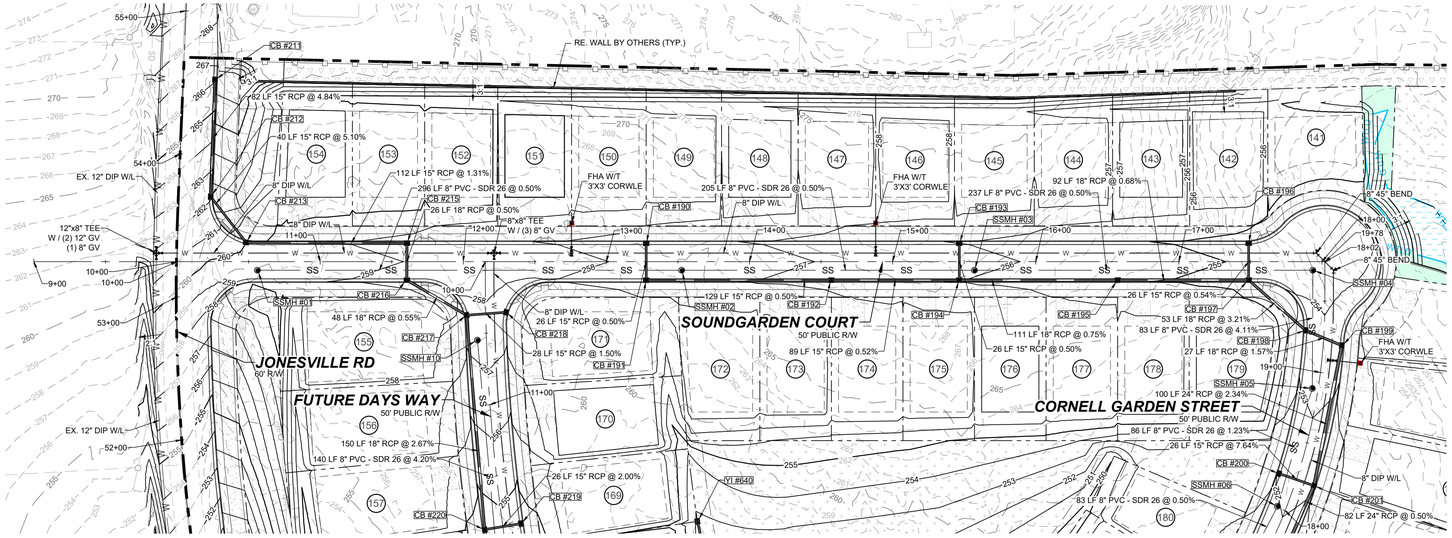
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PROPOSED FUTURE DAYS WAY - PLAN & PROFILE

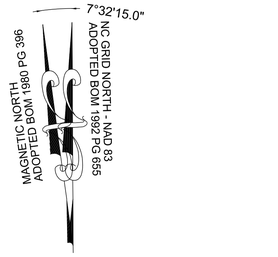
DRAWING
SHEET

C-9.16



PROPOSED SOUNDGARDEN COURT - PLAN

HORIZONTAL: 1" = 50'



GRAPHIC SCALE

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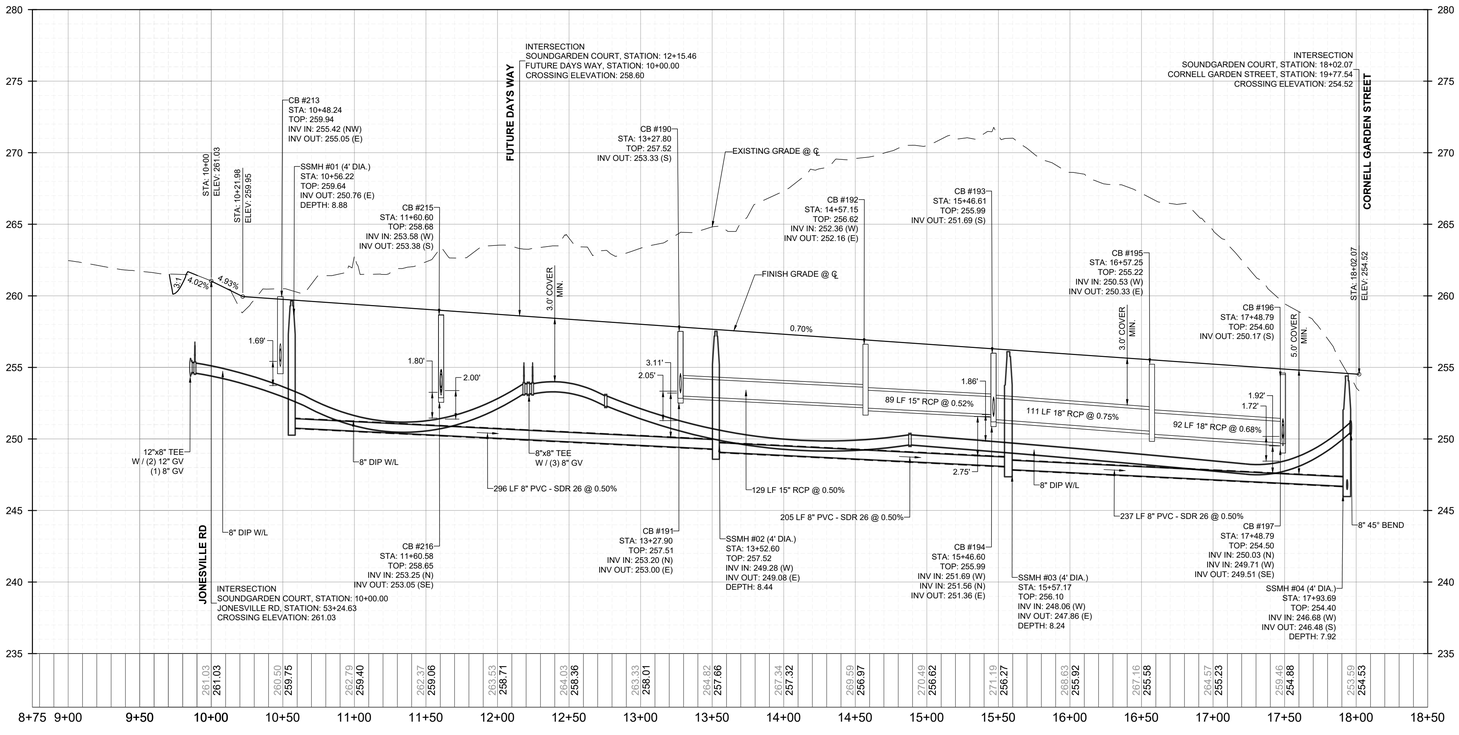
(IN FEET)
1 inch = 50 ft.



PROPOSED SOUNDGARDEN COURT - PROFILE

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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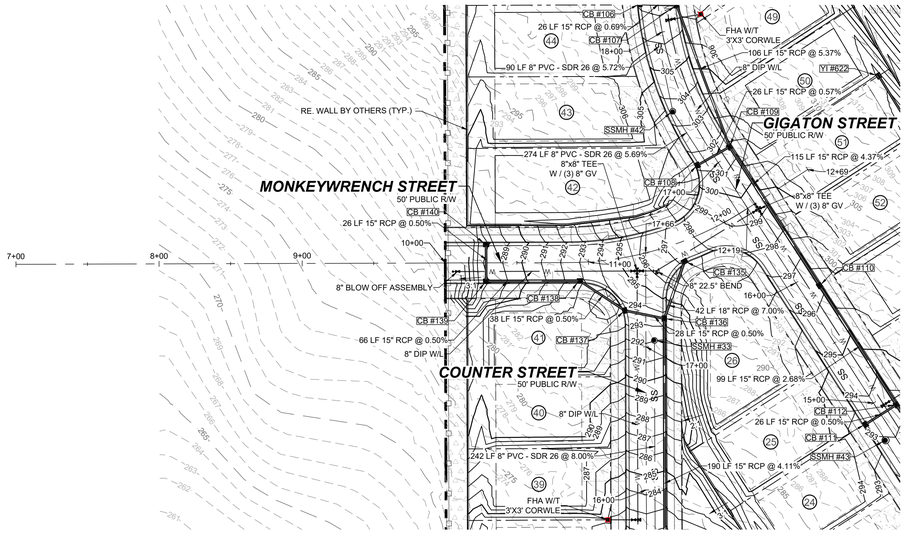
STRONG ROCK PROJECT PSP-23-03	NOT FOR CONSTRUCTION	SCALE	AS SHOWN
		DESIGNED BY	JWL
		DRAWN BY	SRG
		CHECKED BY	JWL

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

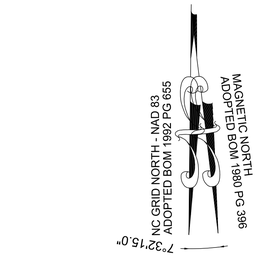
PROPOSED SOUNDGARDEN COURT - PLAN & PROFILE

DRAWING SHEET

C-9.17



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



GRAPHIC SCALE

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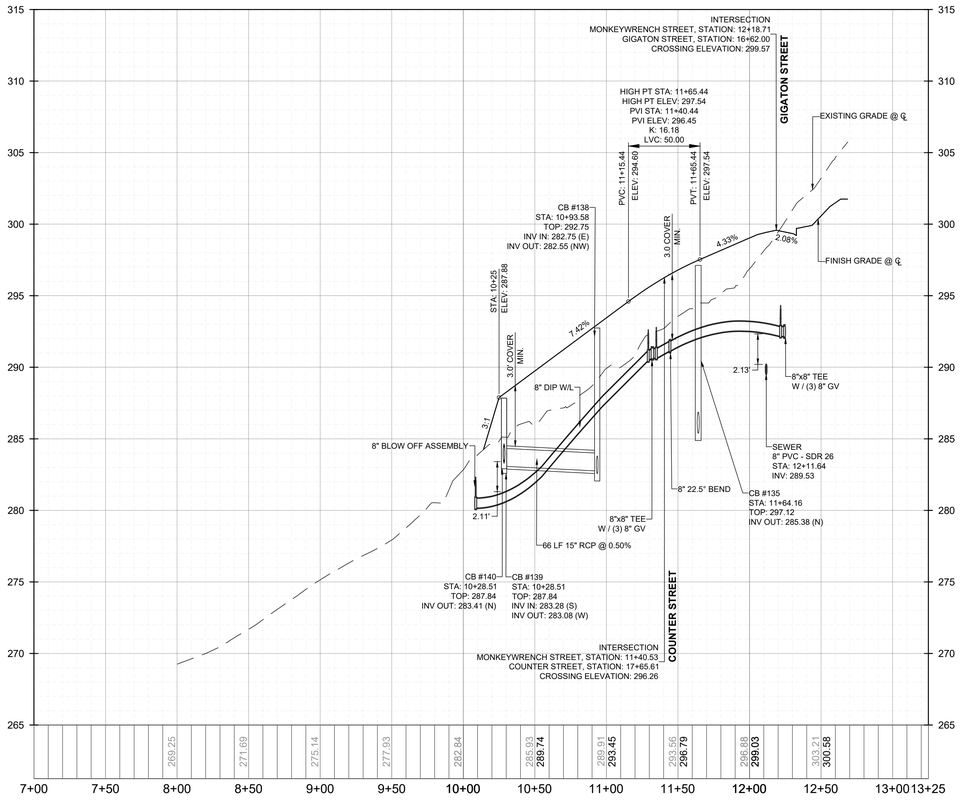
(IN FEET)
1 inch = 50 ft.



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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

PROPOSED MONKEYWRENCH STREET - PLAN & PROFILE

DRAWING SHEET
C-9.18

76 OF 133

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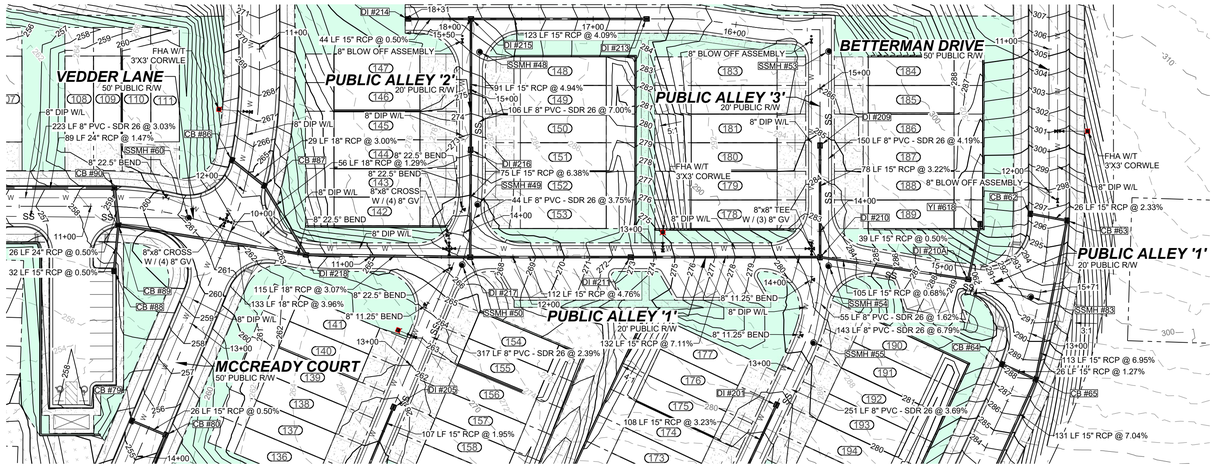
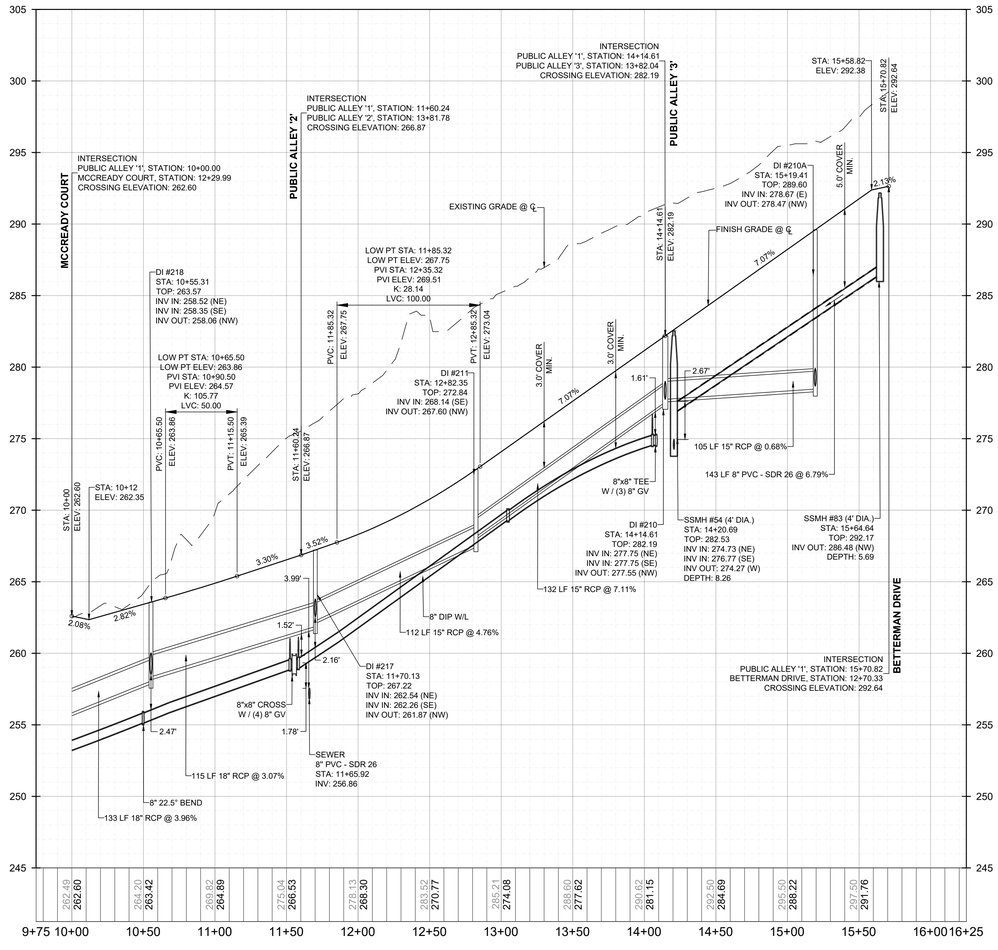
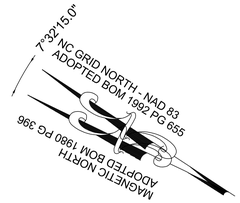


PROPOSED PUBLIC ALLEY '1' - PLAN
HORIZONTAL: 1" = 50'



PROPOSED PUBLIC ALLEY '1' - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'



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
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STRONG ROCK PROJECT	PSP-23-03
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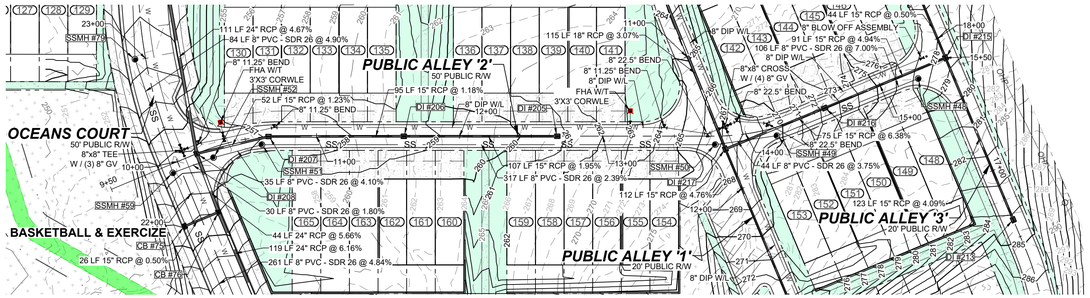
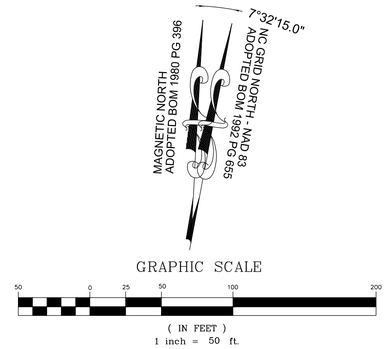
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED PUBLIC ALLEY '1' - PLAN & PROFILE

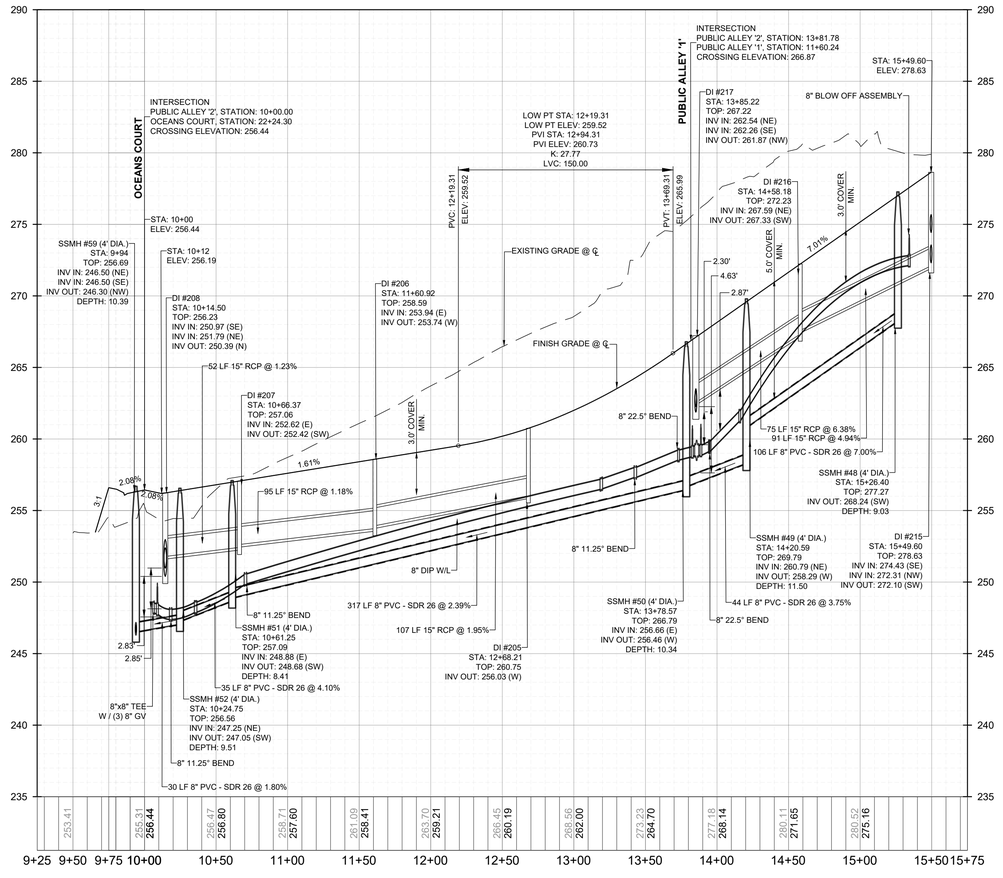
DRAWING SHEET
C-9.19





PROPOSED PUBLIC ALLEY '2' - PLAN

HORIZONTAL: 1" = 50'



PROPOSED PUBLIC ALLEY '2' - PROFILE

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

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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STRONG ROCK PROJECT	PSP-23-03
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SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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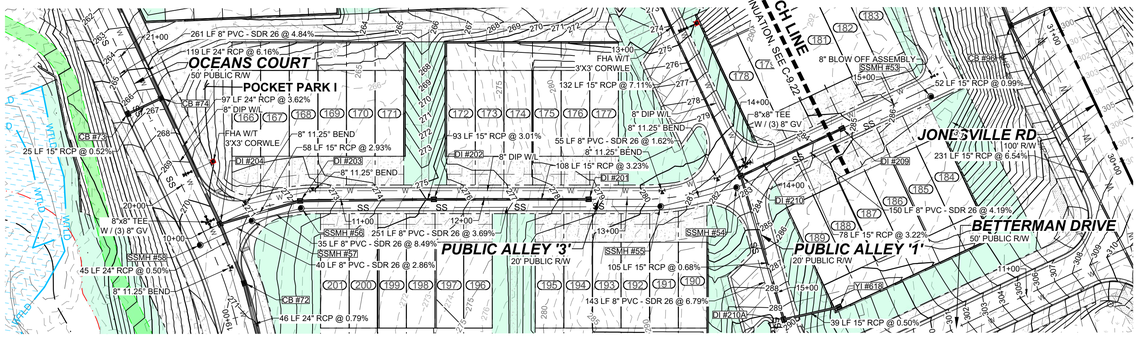
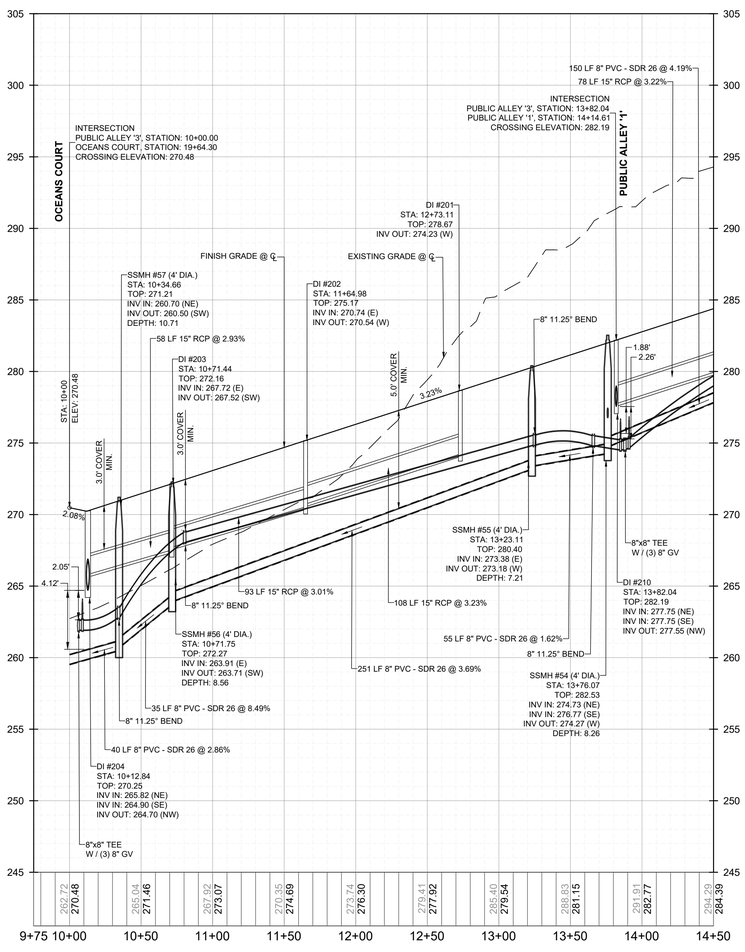
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED PUBLIC ALLEY '2' - PLAN & PROFILE

DRAWING SHEET
C-9.20



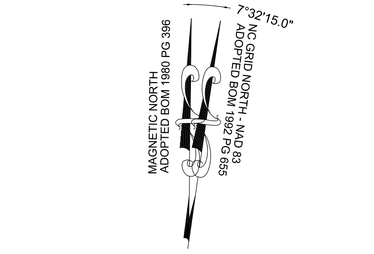
PROPOSED PUBLIC ALLEY '3' - PLAN

HORIZONTAL: 1" = 50'



PROPOSED PUBLIC ALLEY '3' - PROFILE

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



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SEAL

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

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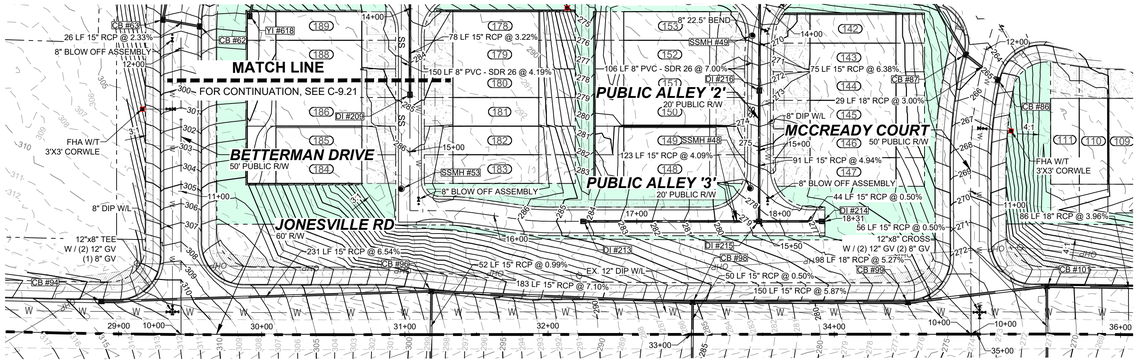
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

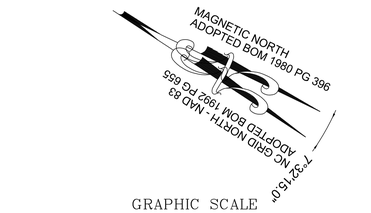
PROPOSED PUBLIC ALLEY '3' - PLAN & PROFILE

DRAWING SHEET

C-9.21



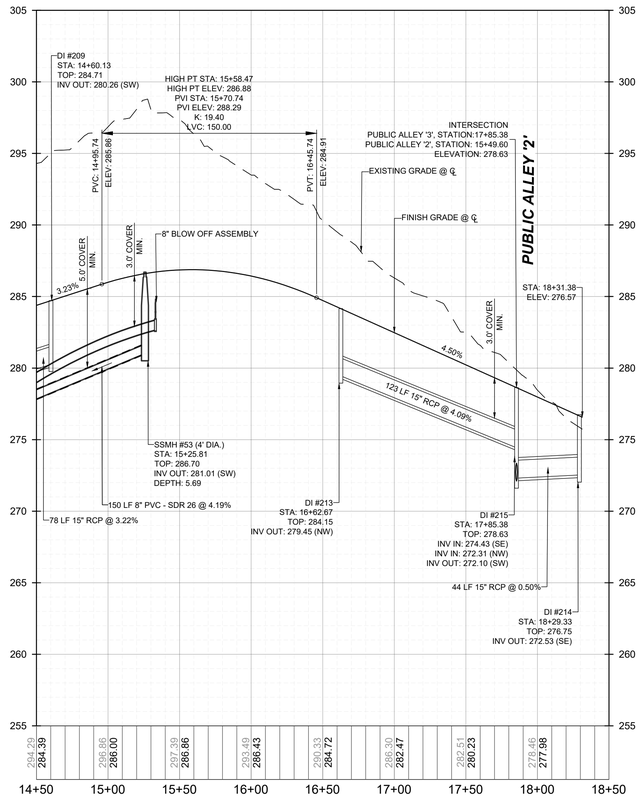
PROPOSED PUBLIC ALLEY '3' - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED PUBLIC ALLEY '3' - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. L. AMBERT

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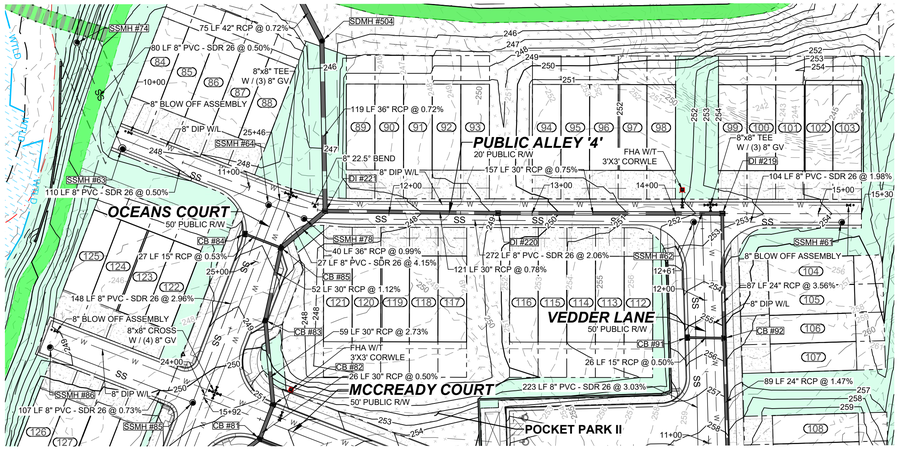
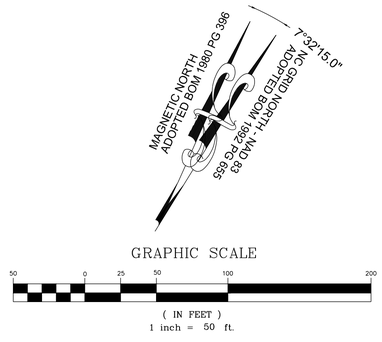
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED PUBLIC ALLEY '3' - PLAN & PROFILE

DRAWING SHEET
C-9.22



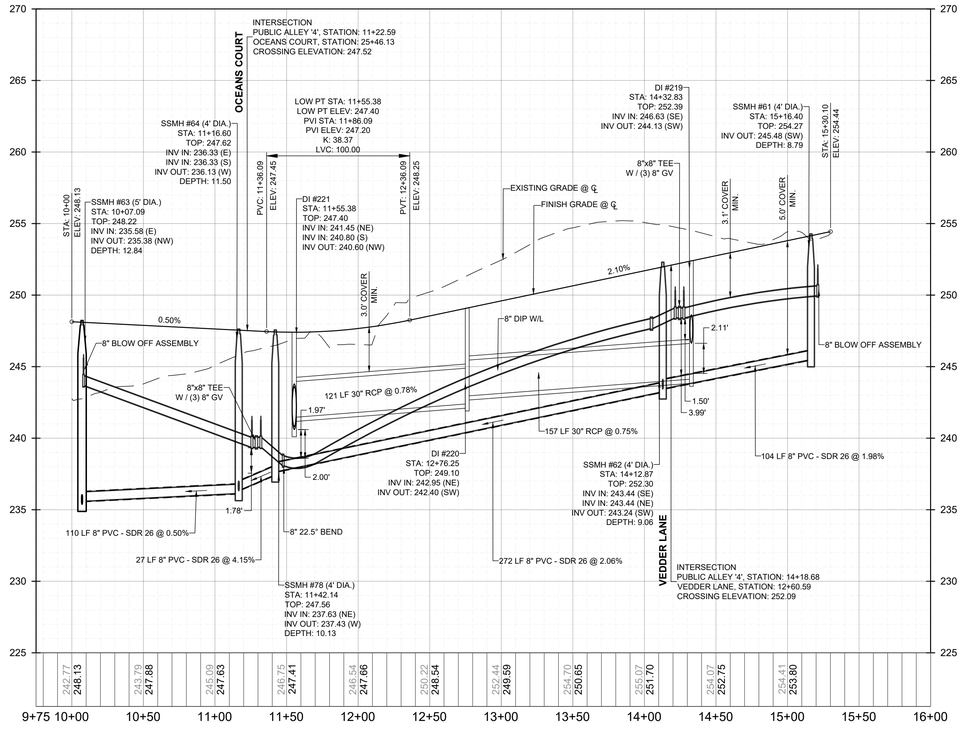
PROPOSED PUBLIC ALLEY '4' - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



PROPOSED PUBLIC ALLEY '4' - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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SEAL

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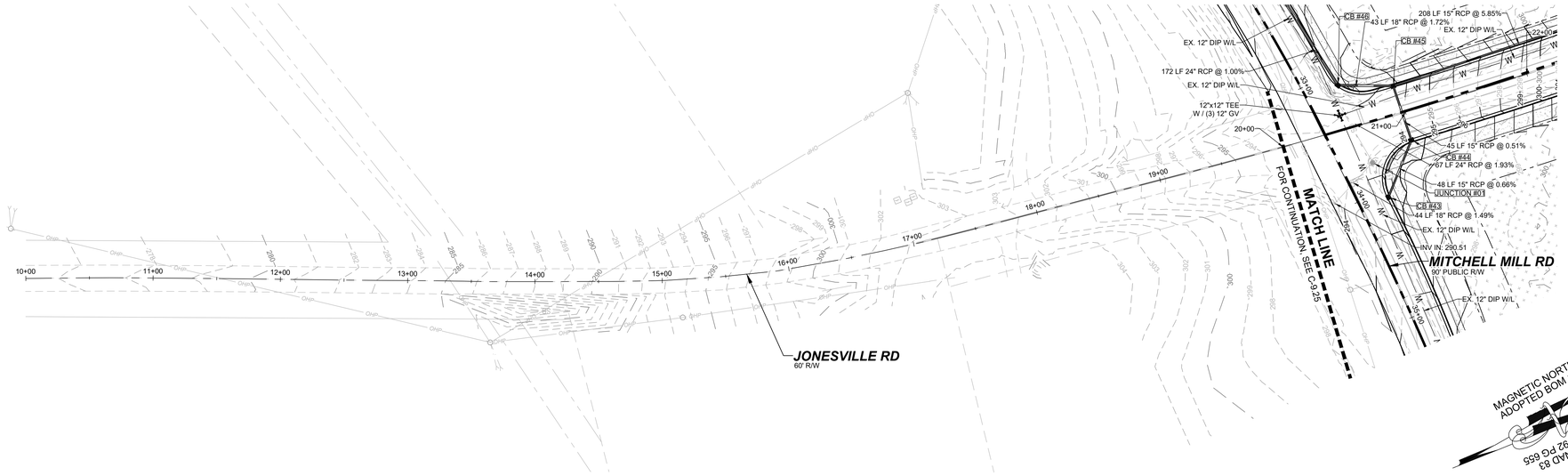
DRAWN BY	SRG
CHECKED BY	JWL

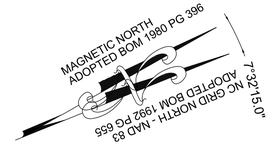
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PROPOSED PUBLIC ALLEY '4' - PLAN & PROFILE

DRAWING SHEET
C-9.23



OFF-SITE JONESVILLE RD - PLAN

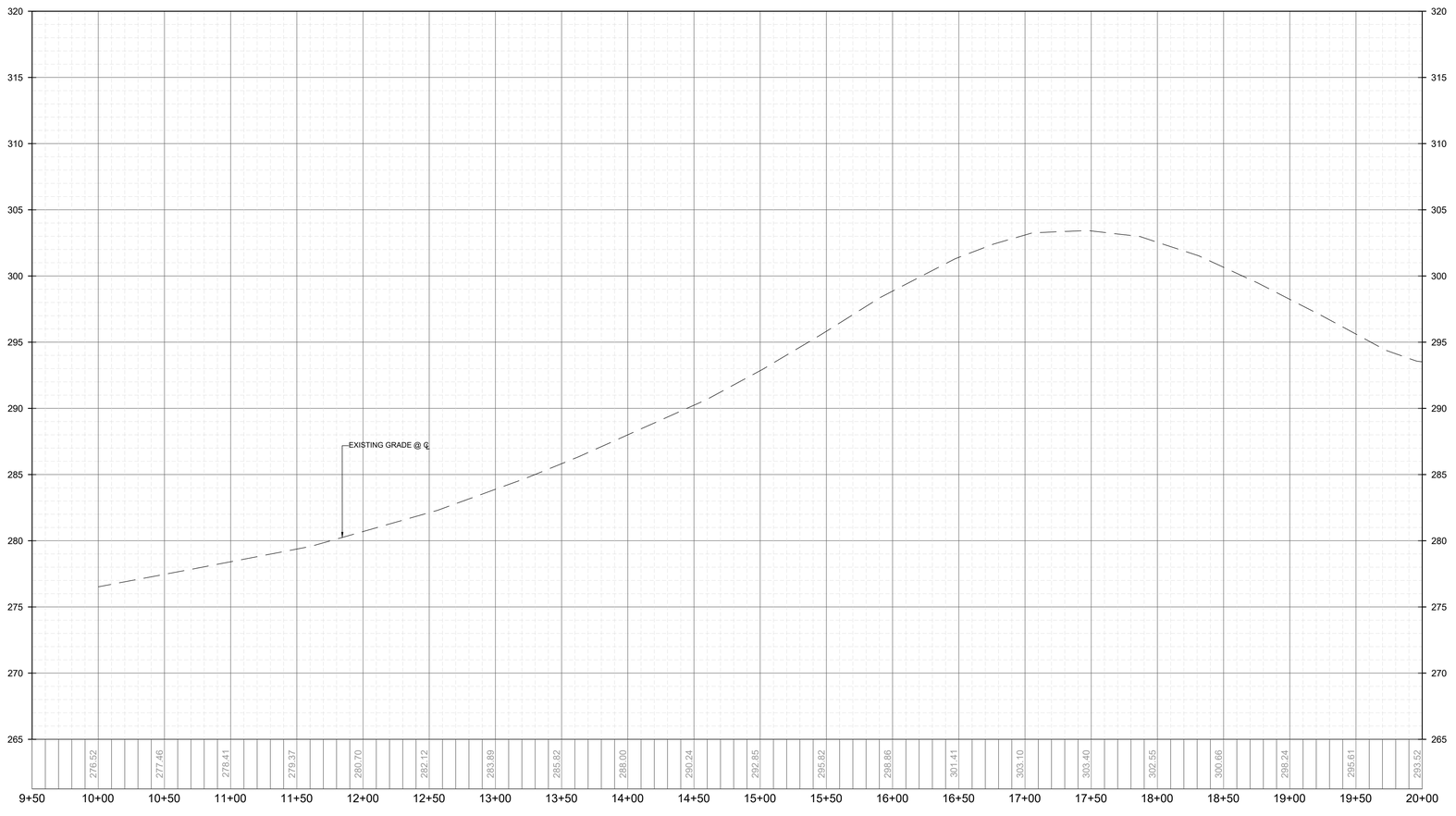
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE JONESVILLE RD - PROFILE

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HORIZONTAL: 1" = 50'

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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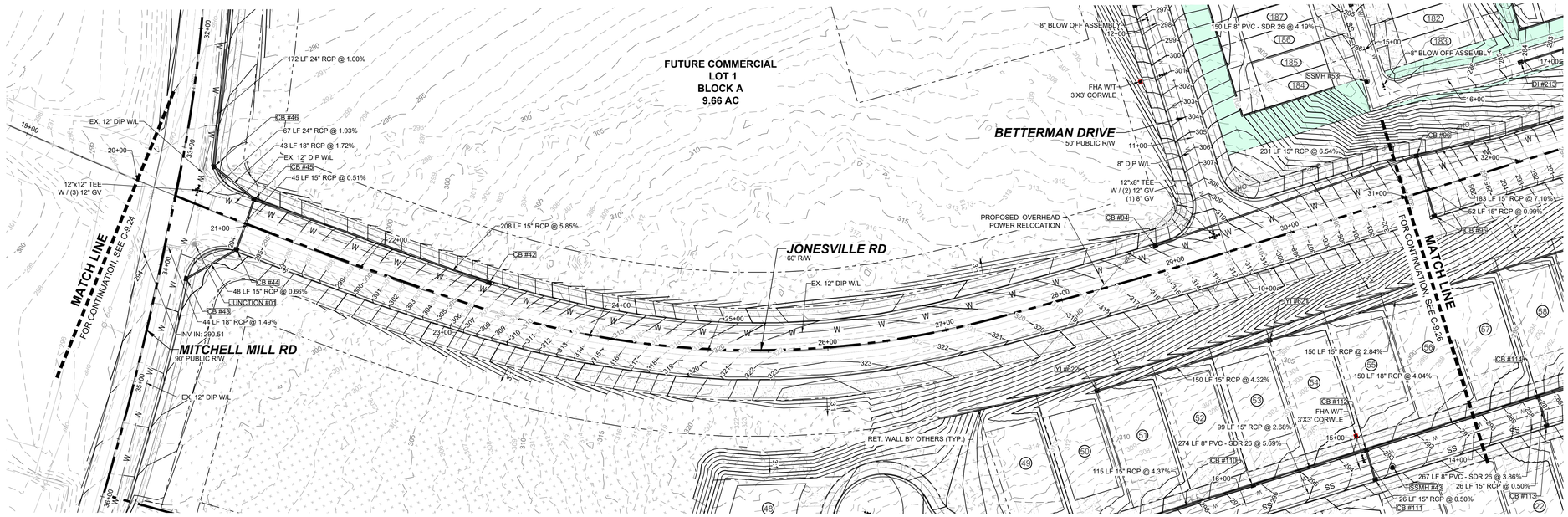
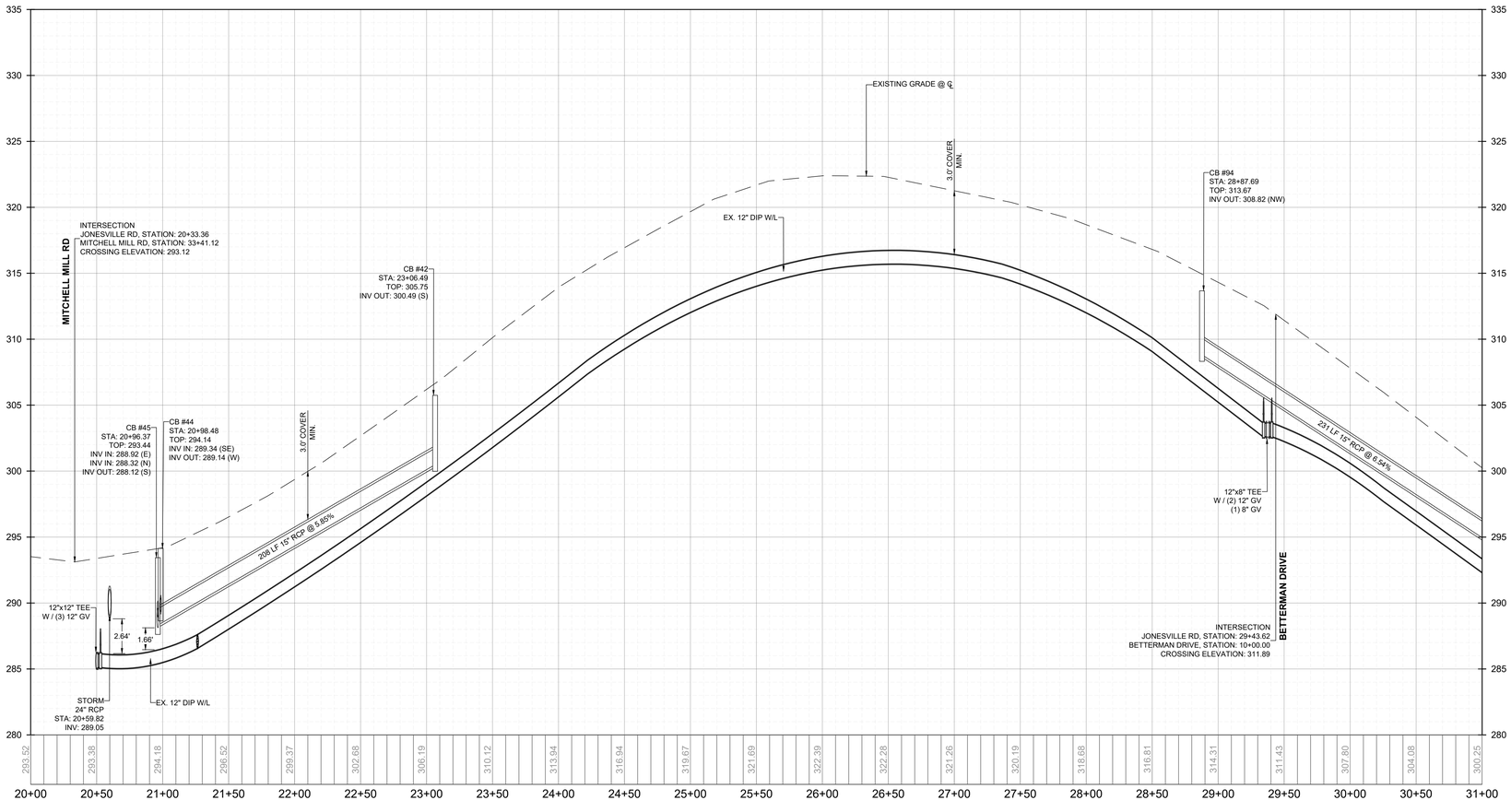
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE JONESVILLE RD - PLAN & PROFILE

DRAWING SHEET
C-9.24



OFF-SITE JONESVILLE RD - PLAN
HORIZONTAL: 1" = 50'



OFF-SITE JONESVILLE RD - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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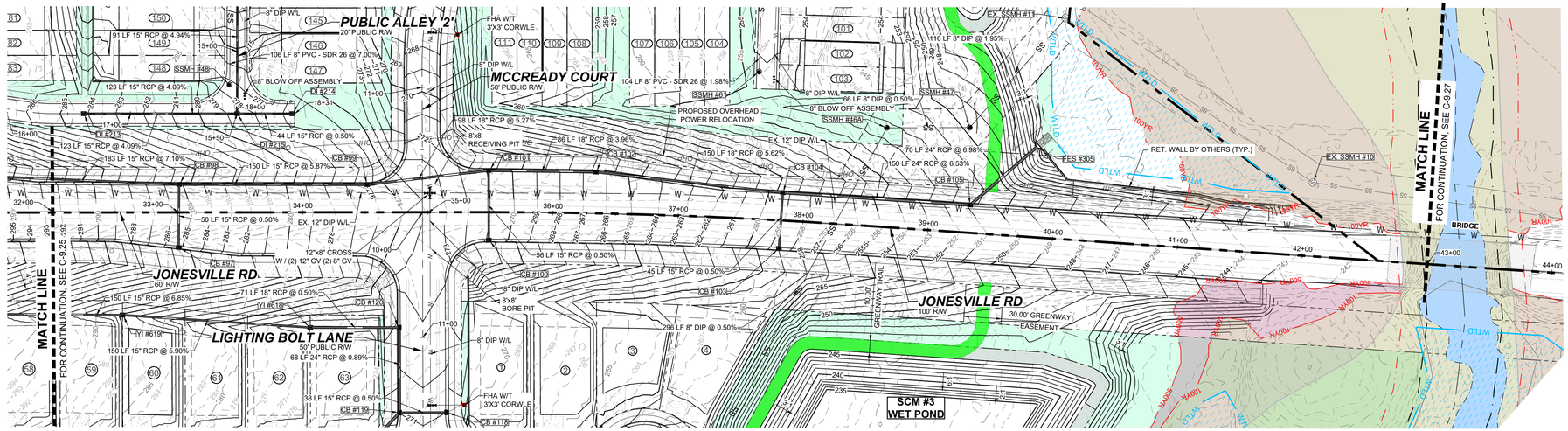
OFF-SITE JONESVILLE RD - PLAN & PROFILE

DRAWING SHEET
C-9.25



OFF-SITE JONESVILLE RD - PLAN

HORIZONTAL: 1" = 50'

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

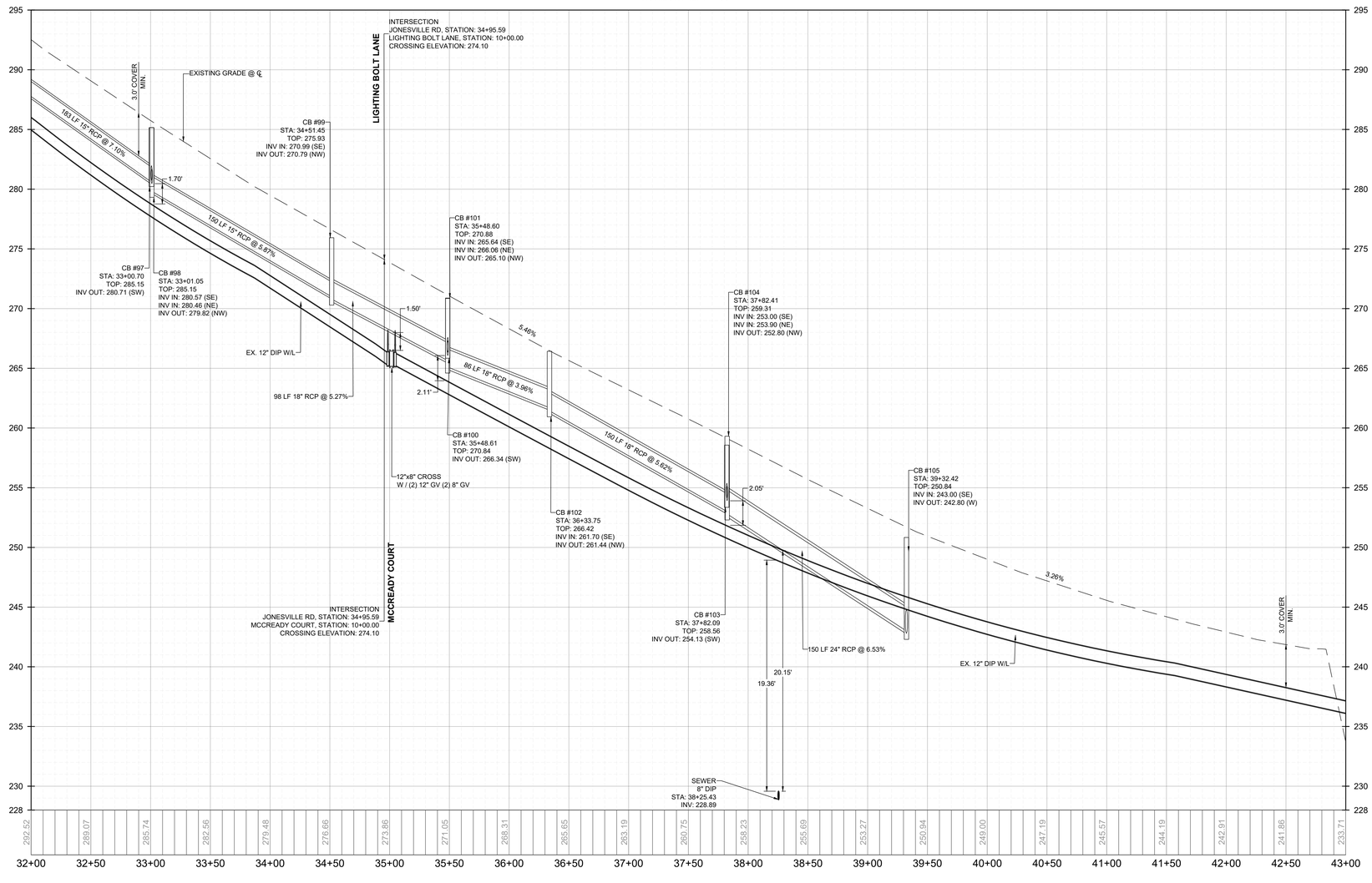
NC GRID NORTH, NAD 83
ADOPTED BOM 1982 PG 655

7°32'15.0"

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE JONESVILLE RD - PROFILE

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

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

No.	REVISIONS	DATE	BY

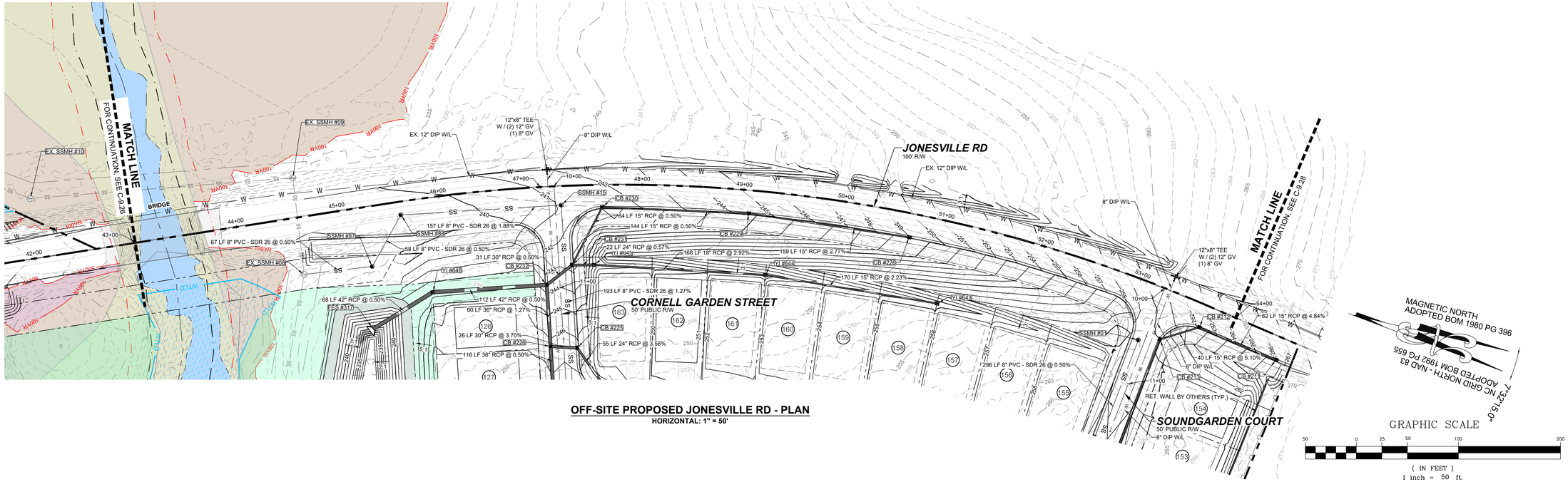
SEAL
NORTH CAROLINA PROFESSIONAL
SEAL 036225 ENGINEER
JOSHUA W. LAMBERT

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

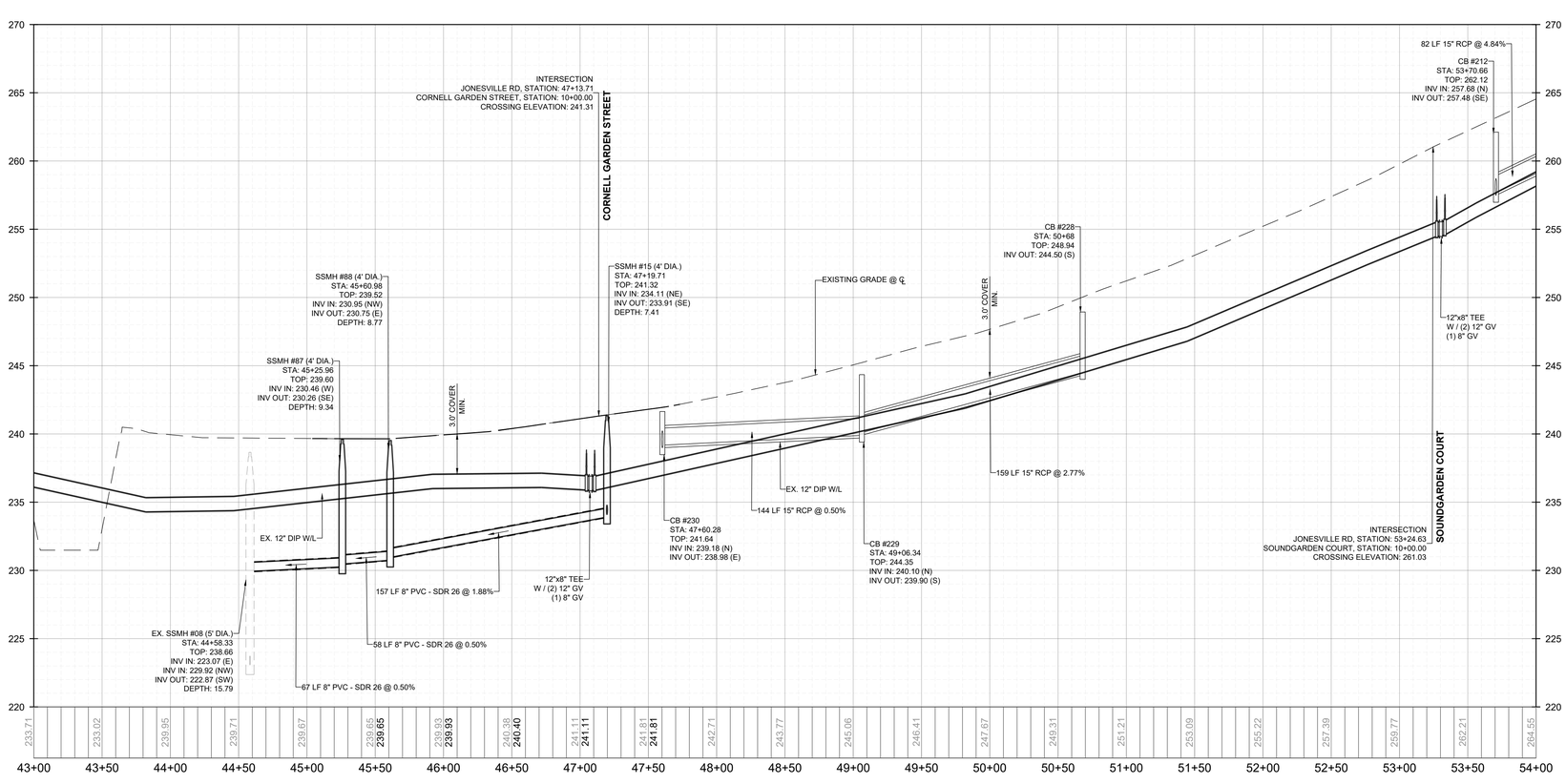
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE JONESVILLE RD - PLAN & PROFILE

DRAWING SHEET
C-9.26



OFF-SITE PROPOSED JONESVILLE RD - PLAN
HORIZONTAL: 1" = 50'



OFF-SITE JONESVILLE RD - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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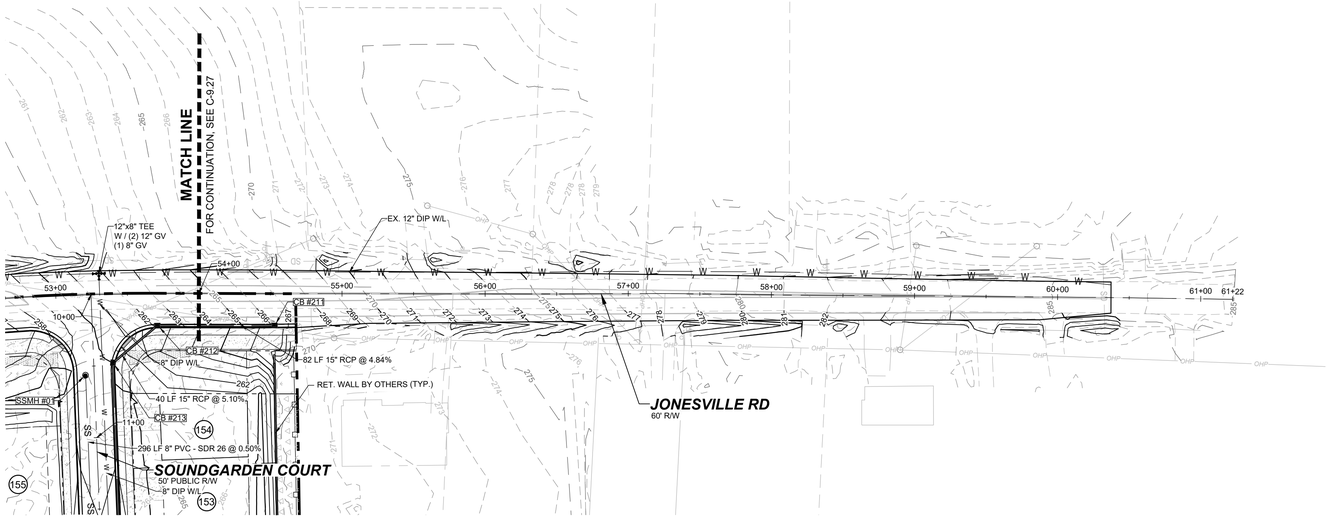
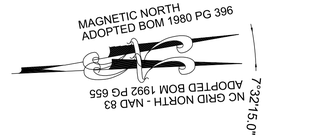
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE JONESVILLE RD - PLAN & PROFILE

DRAWING SHEET
C-9.27



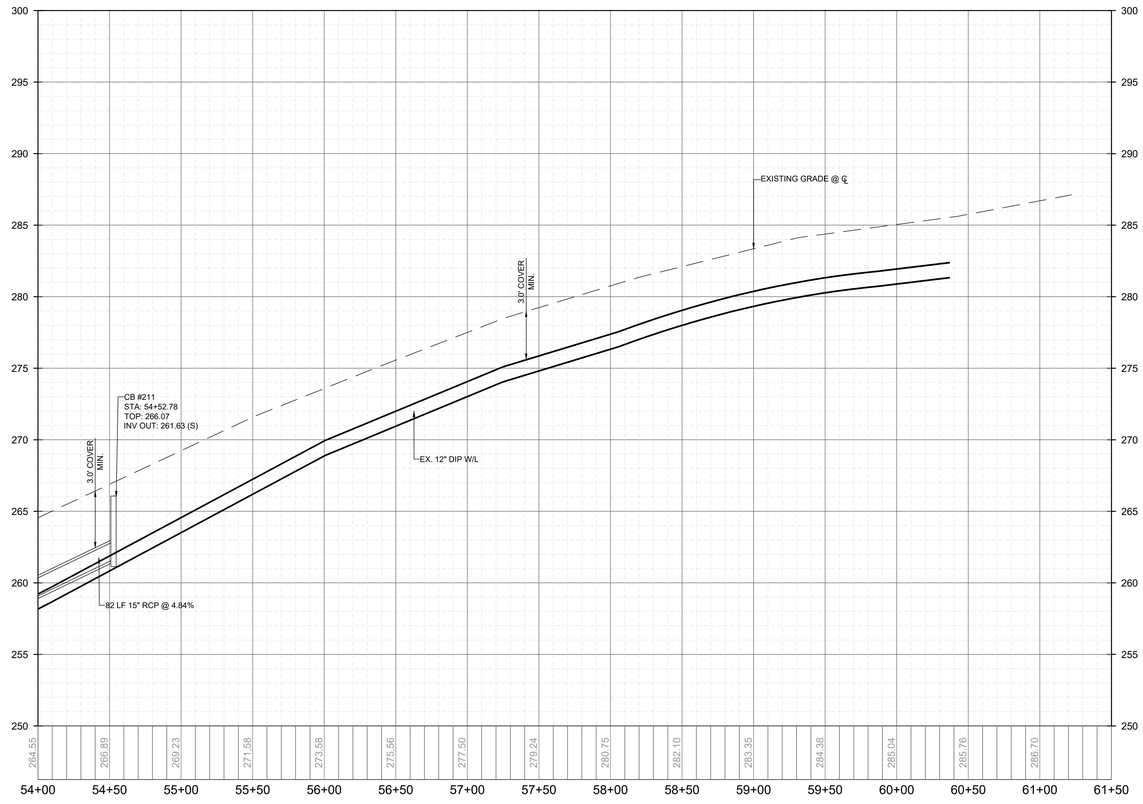
OFF-SITE JONESVILLE RD - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE JONESVILLE RD - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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STRONG ROCK PROJECT	PSP-23-03
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SCALE	AS SHOWN
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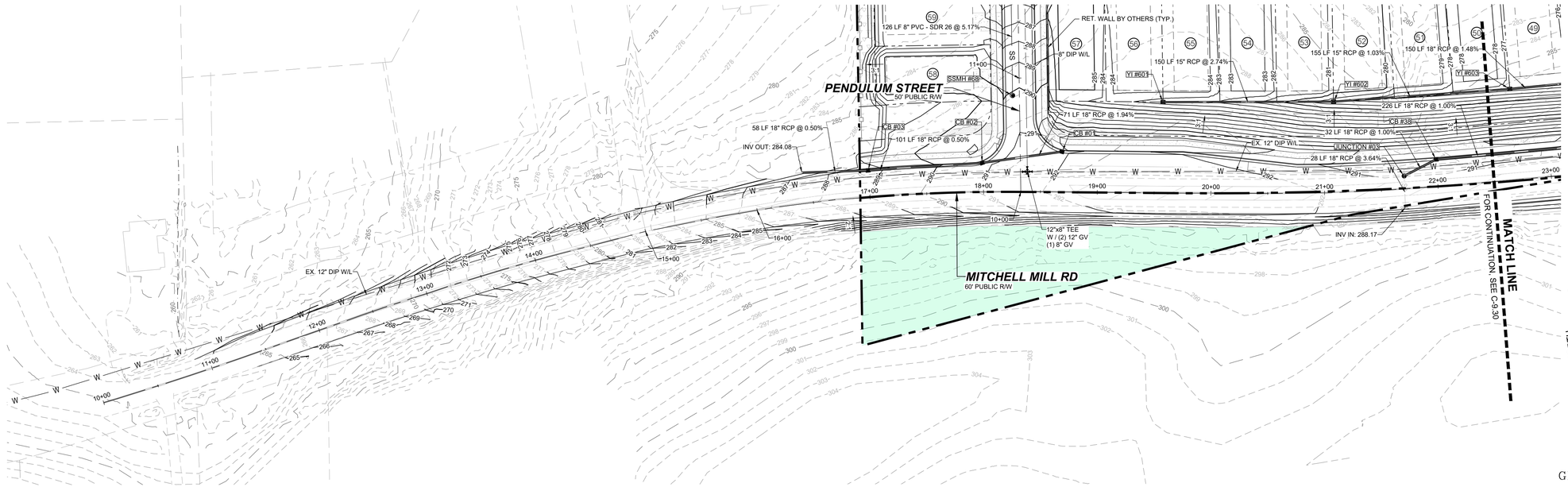
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE JONESVILLE RD - PLAN & PROFILE

DRAWING / SHEET
C-9.28



OFF-SITE MITCHELL MILL RD - PLAN

HORIZONTAL: 1" = 50'

OFF-SITE MITCHELL MILL RD - PROFILE

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166
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STRONG ROCK PROJECT	PSP-23-03
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SCALE	AS SHOWN
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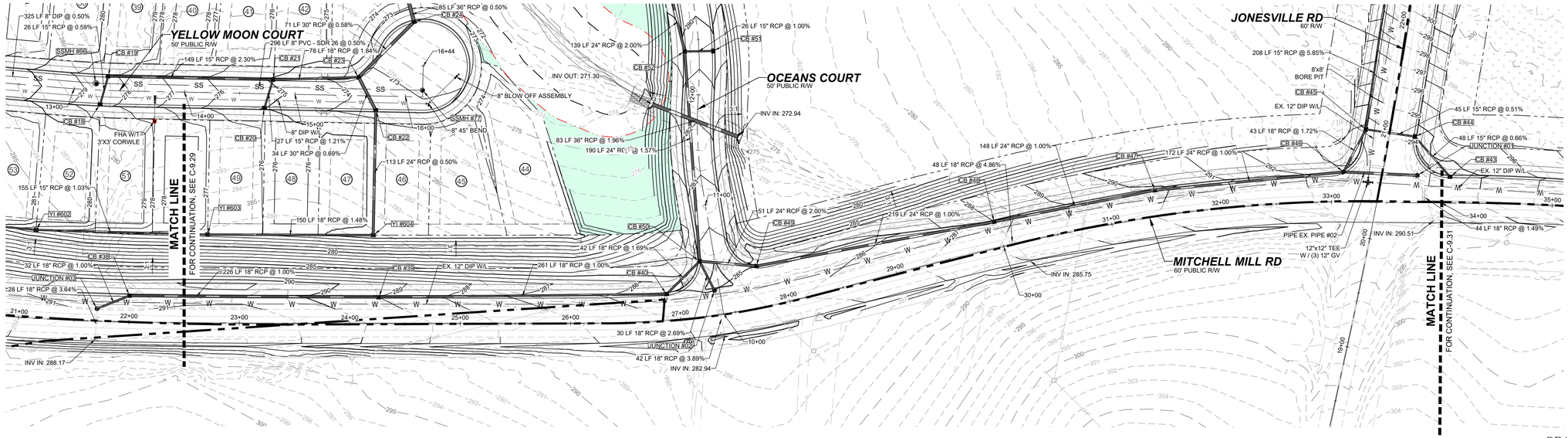
DRAWN BY	SRG
CHECKED BY	JWL

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

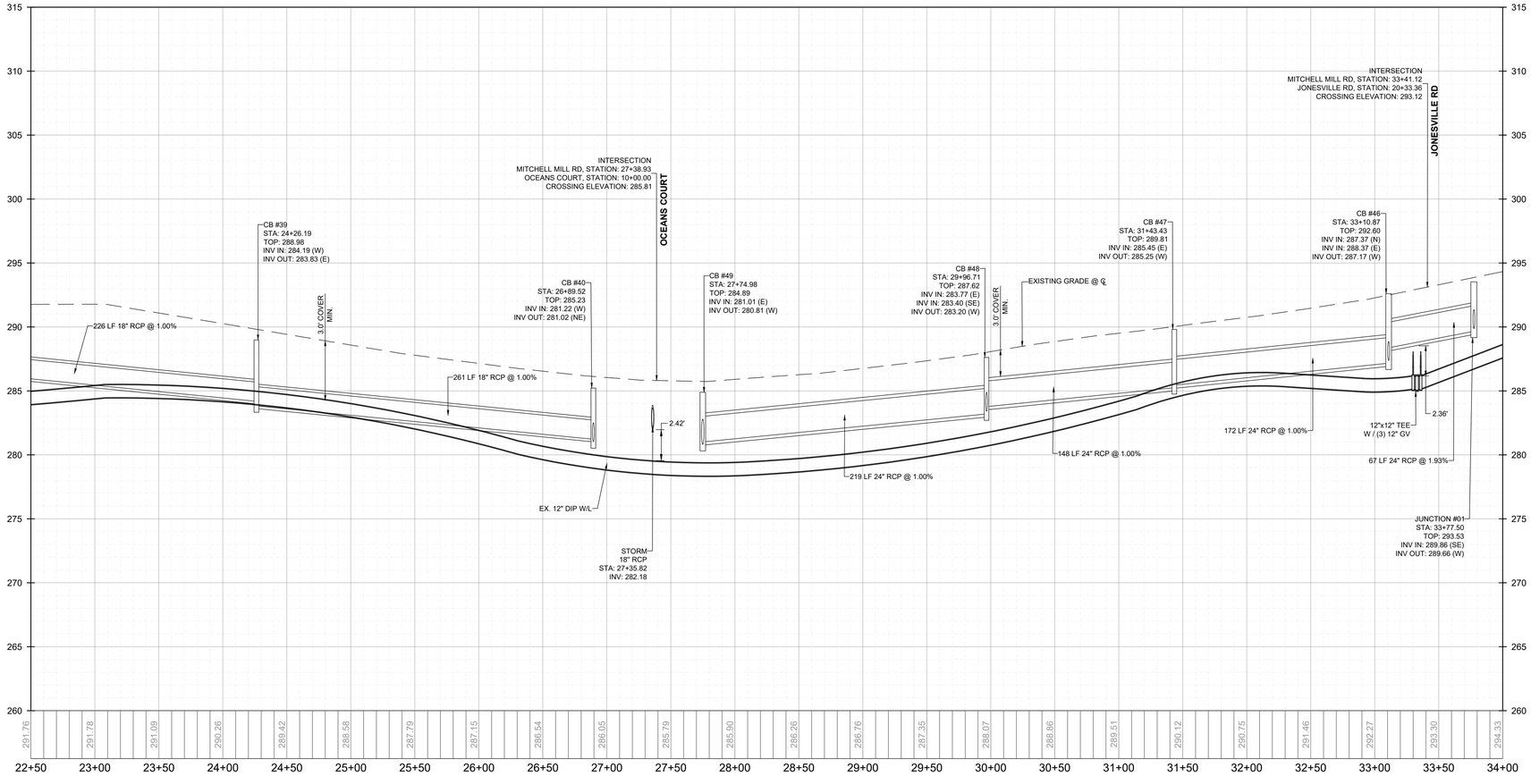
OFF-SITE MITCHELL MILL RD - PLAN & PROFILE

DRAWING SHEET
C-9.29



OFF-SITE MITCHELL MILL RD - PLAN

HORIZONTAL: 1" = 50'



OFF-SITE MITCHELL MILL RD - PROFILE

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

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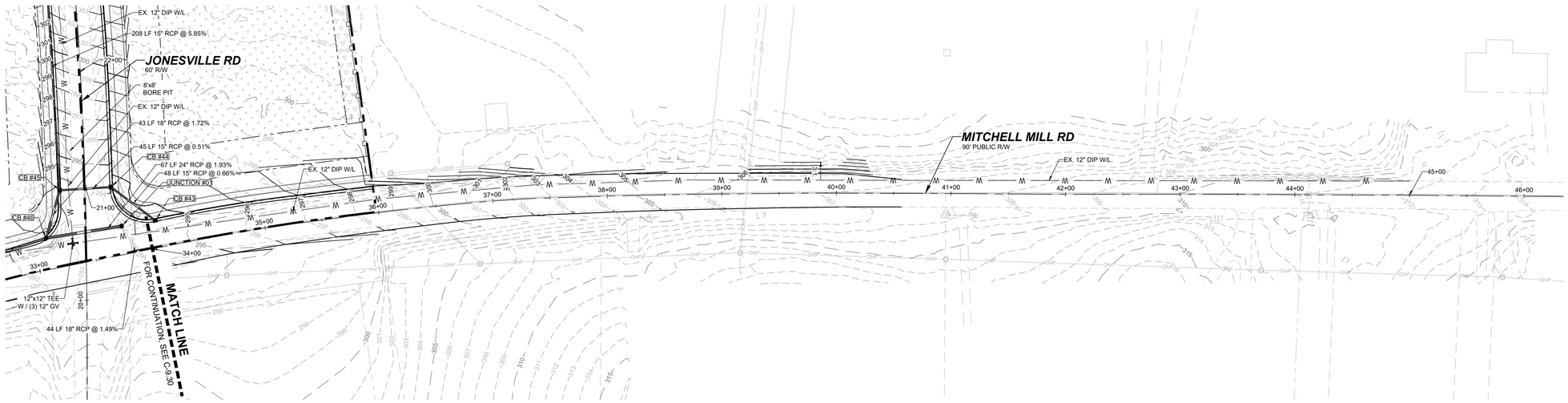
DRAWN BY	SRG
CHECKED BY	JWL

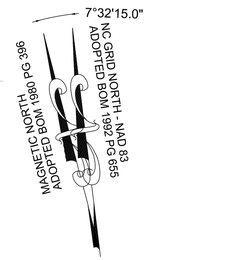
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE MITCHELL MILL RD - PLAN & PROFILE

DRAWING / SHEET
C-9.30

PROGRESS PLOT DATE: 06/04/2024



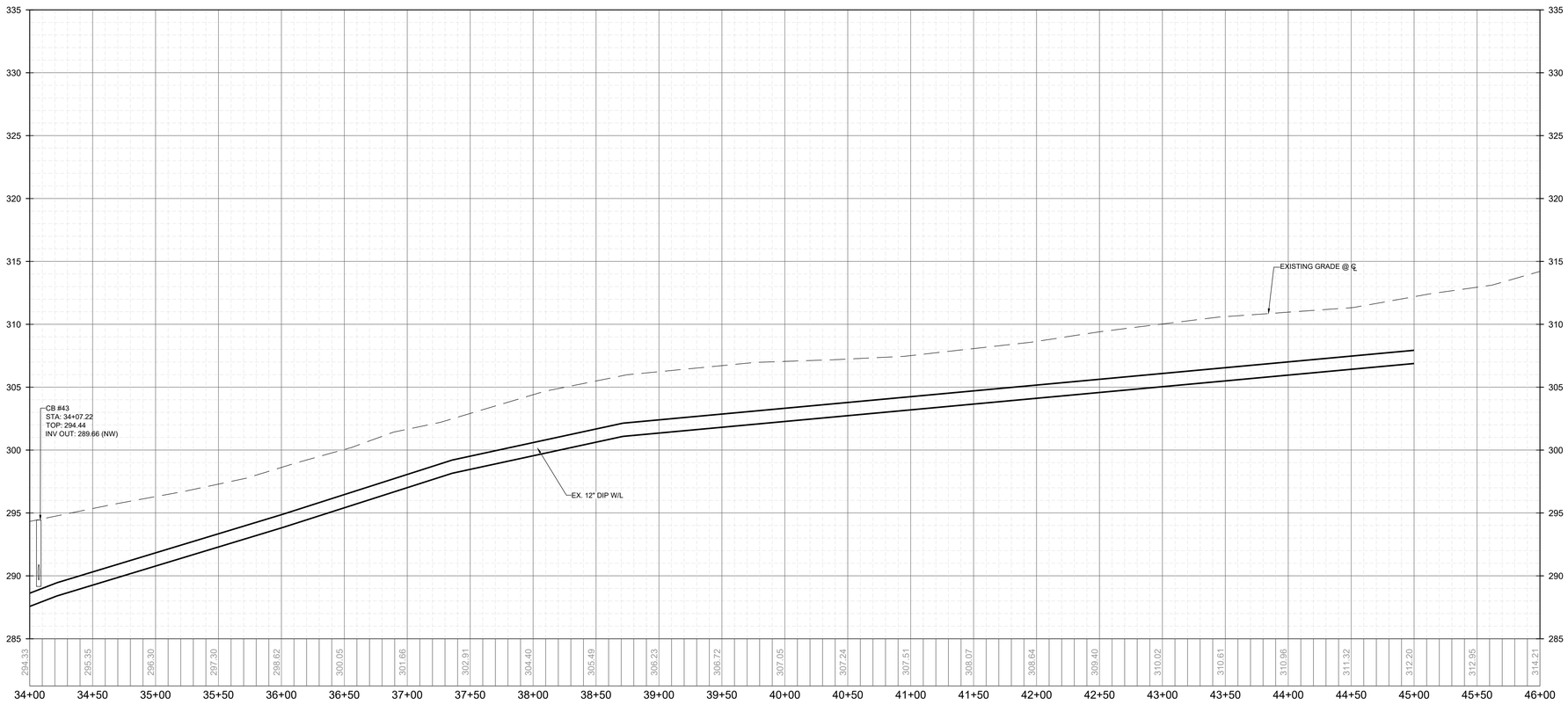
OFF-SITE MITCHELL MILL RD - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE MITCHELL MILL RD - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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STRONG ROCK PROJECT	PSP-23-03
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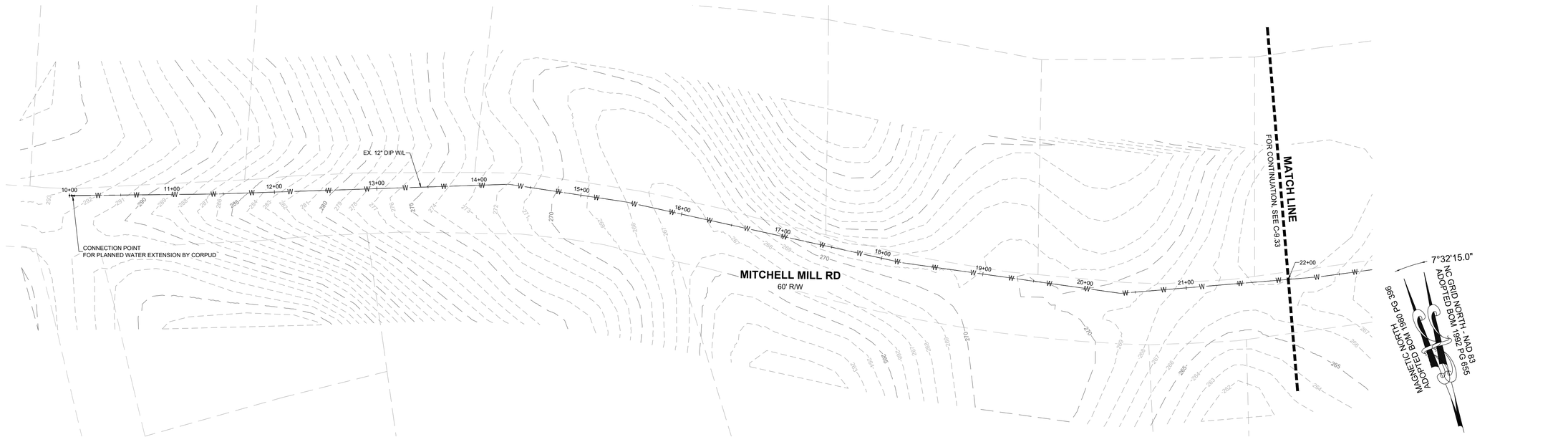
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

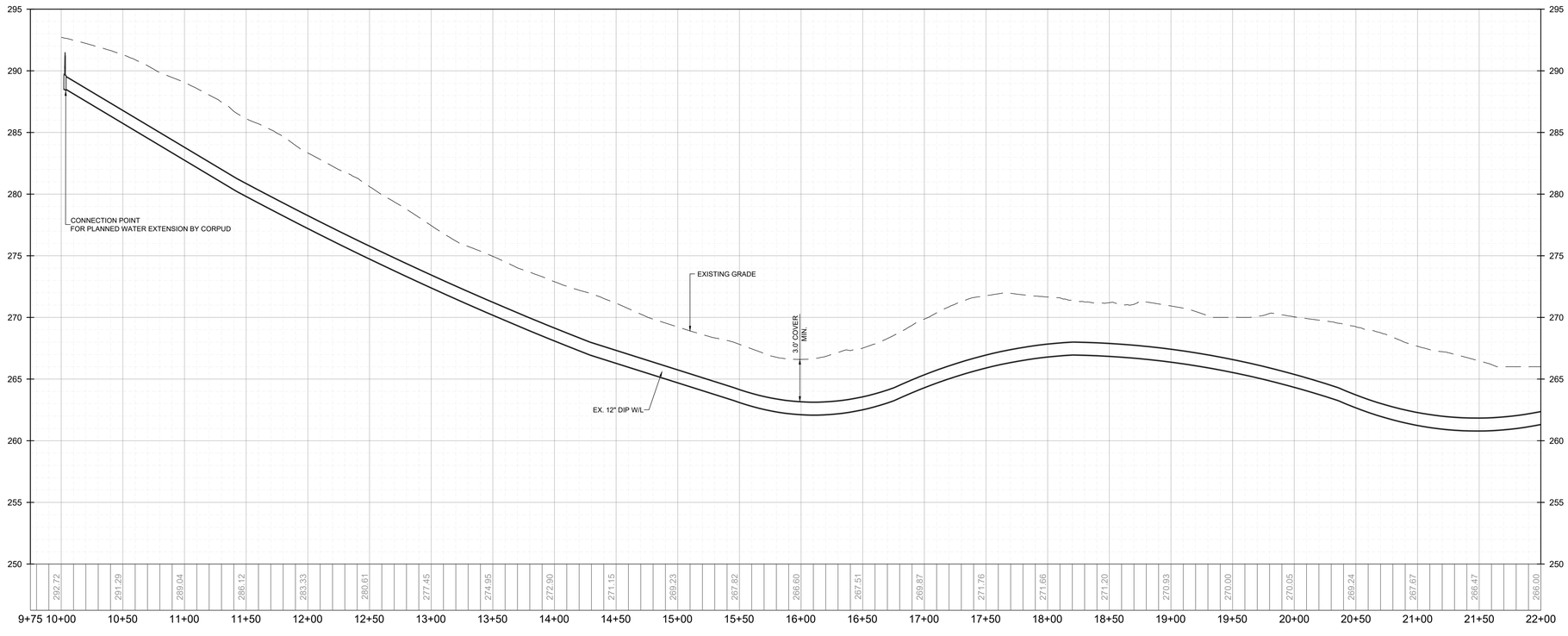
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE MITCHELL MILL RD - PLAN & PROFILE

DRAWING SHEET
C-9.31



OFF-SITE WATER MAIN STATION 10+00 - 22+00 - PLAN
HORIZONTAL: 1" = 50'

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



OFF-SITE WATER MAIN STATION 10+00 - 22+00 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL
SEAL
036225
ENGINEER
JOSHUA W. LAMBERT

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STRONG ROCK PROJECT	PSP-23-03
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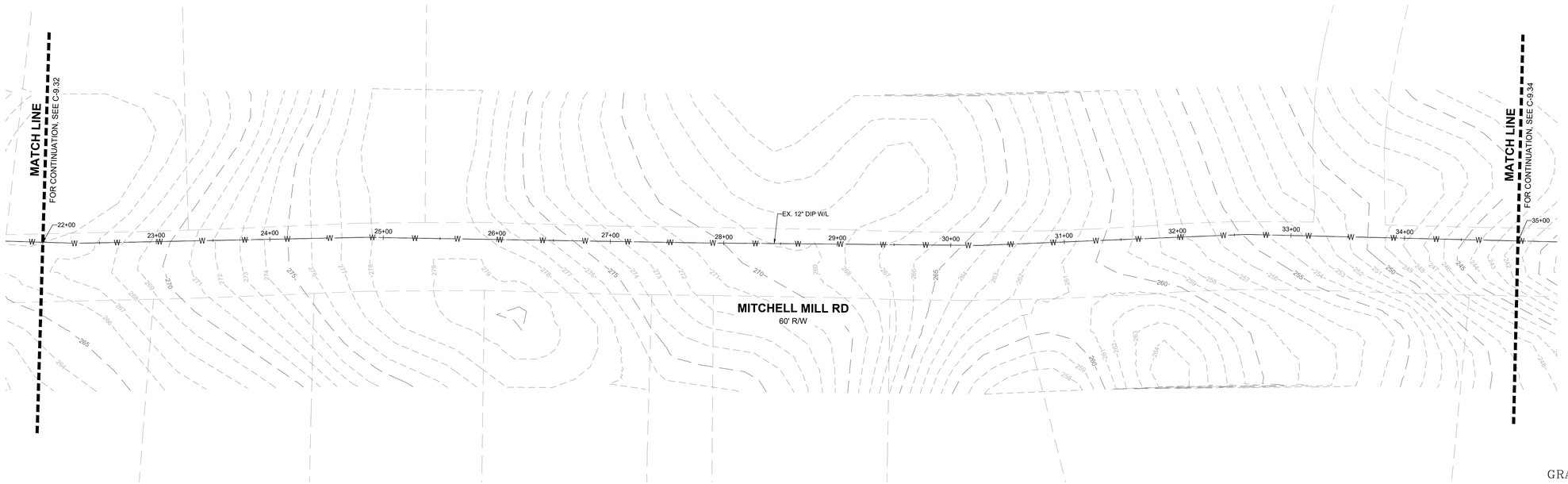
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING SHEET
C-9.32

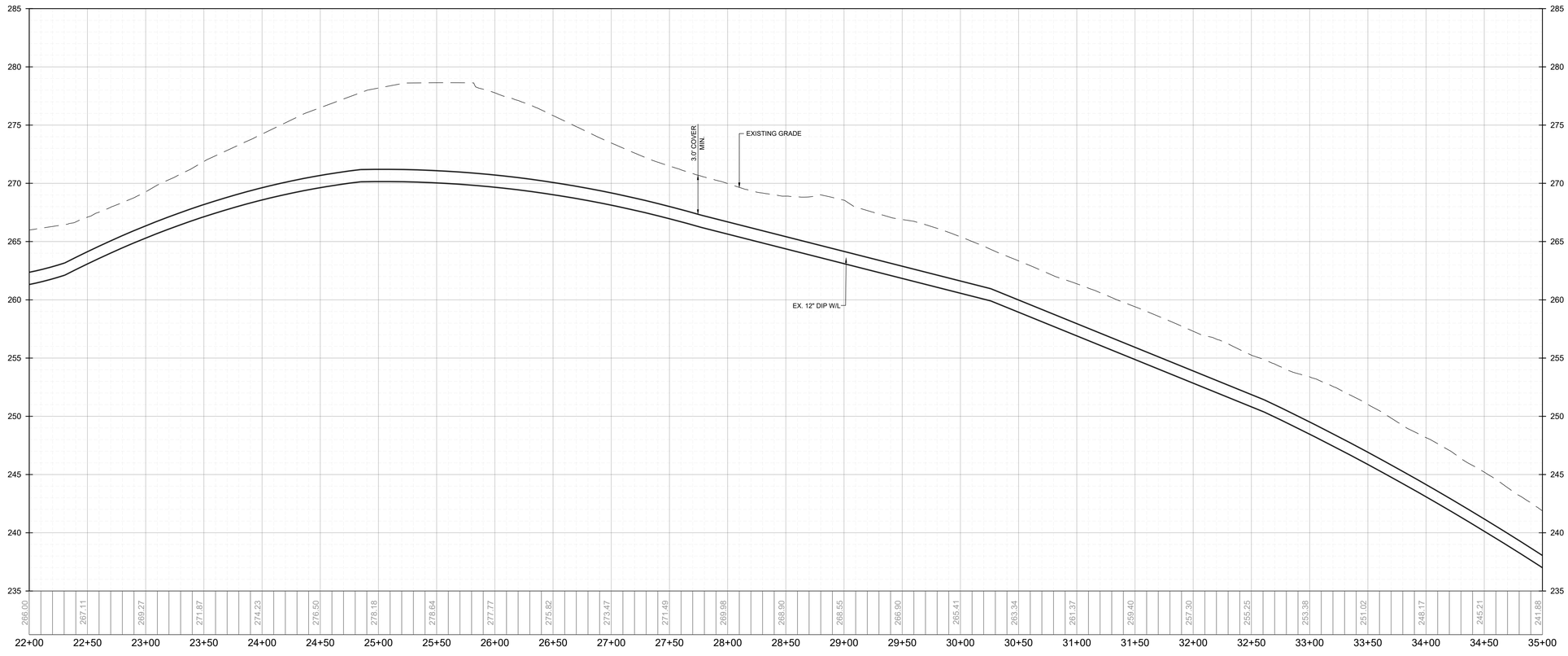


GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

OFF-SITE WATER MAIN STATION 22+00 - 35+00 - PLAN
HORIZONTAL: 1" = 50'



OFF-SITE WATER MAIN STATION 22+00 - 35+00 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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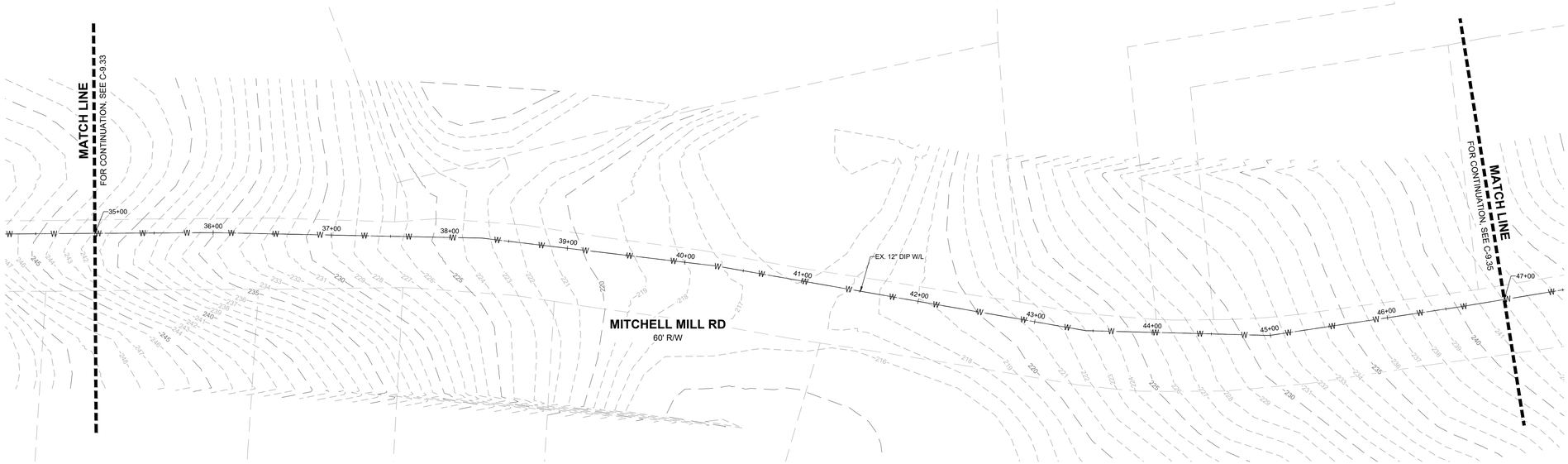
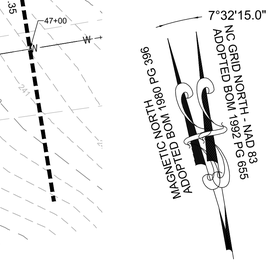
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING / SHEET
C-9.33



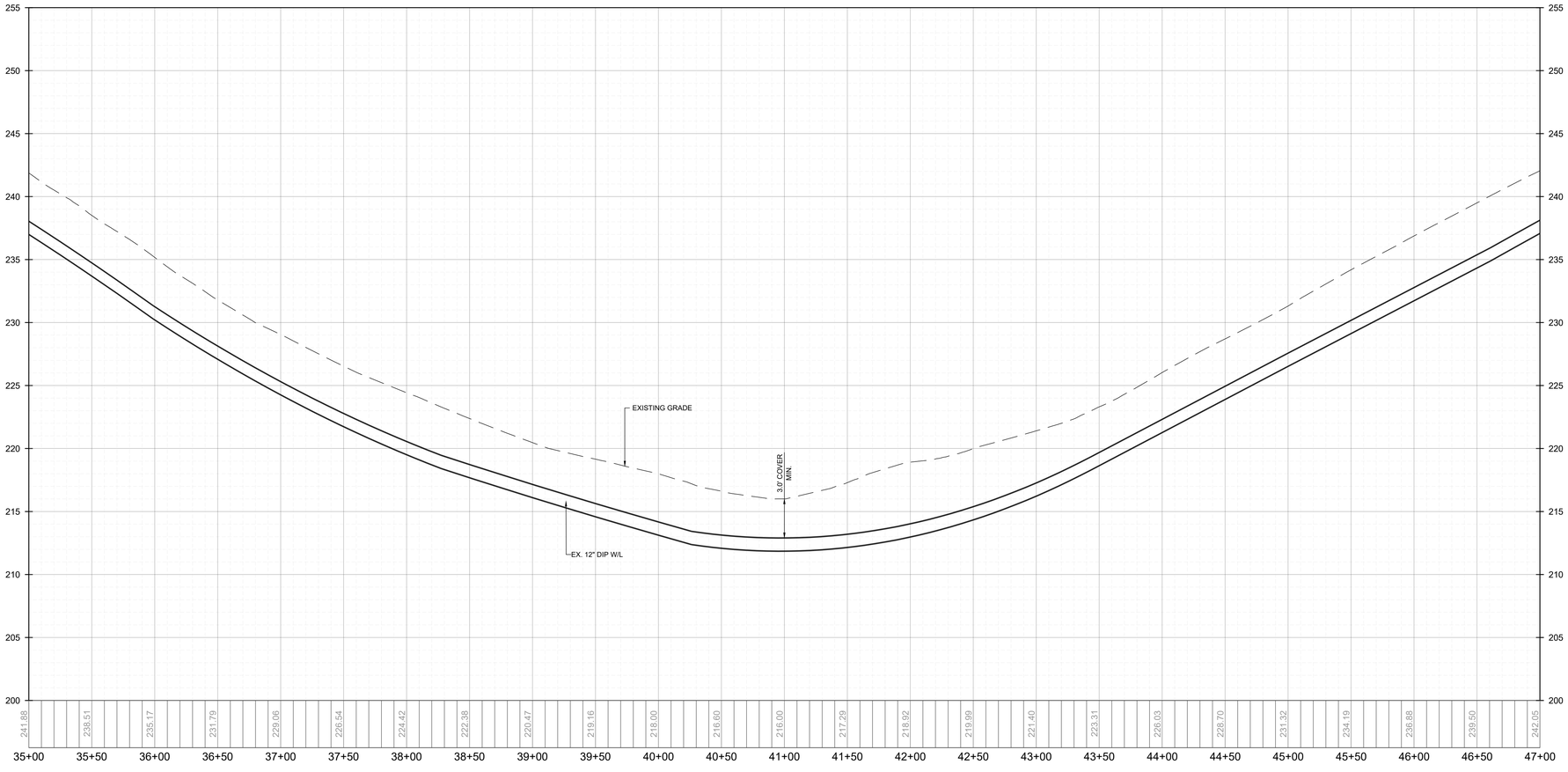
OFF-SITE WATER MAIN STATION 35+00 - 47+00 - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE WATER MAIN STATION 35+00 - 47+00 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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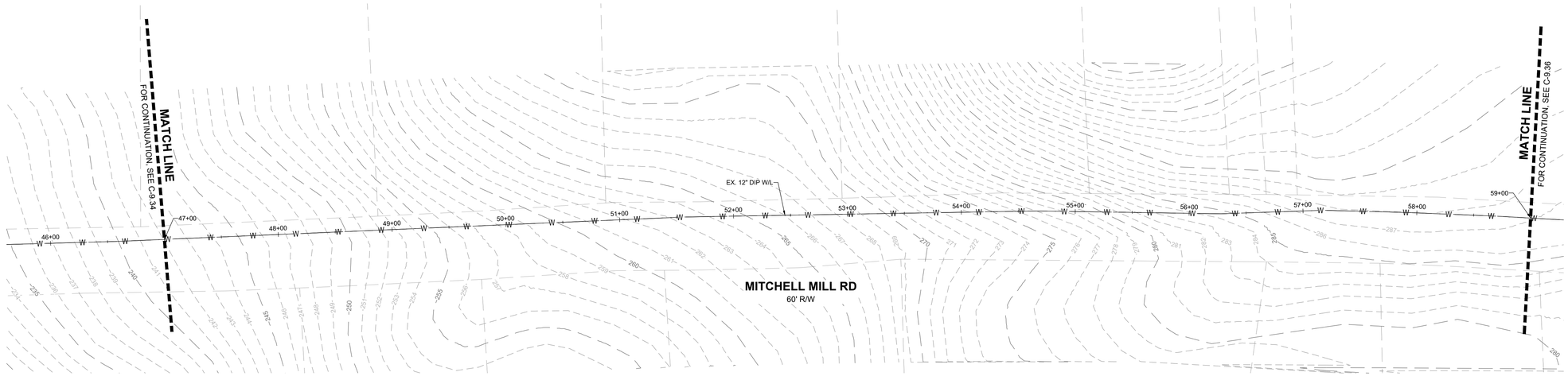
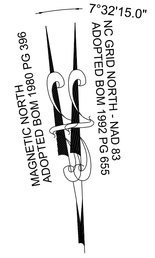
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING SHEET
C-9.34



OFF-SITE WATER MAIN STATION 47+00 - 59+00 - PLAN

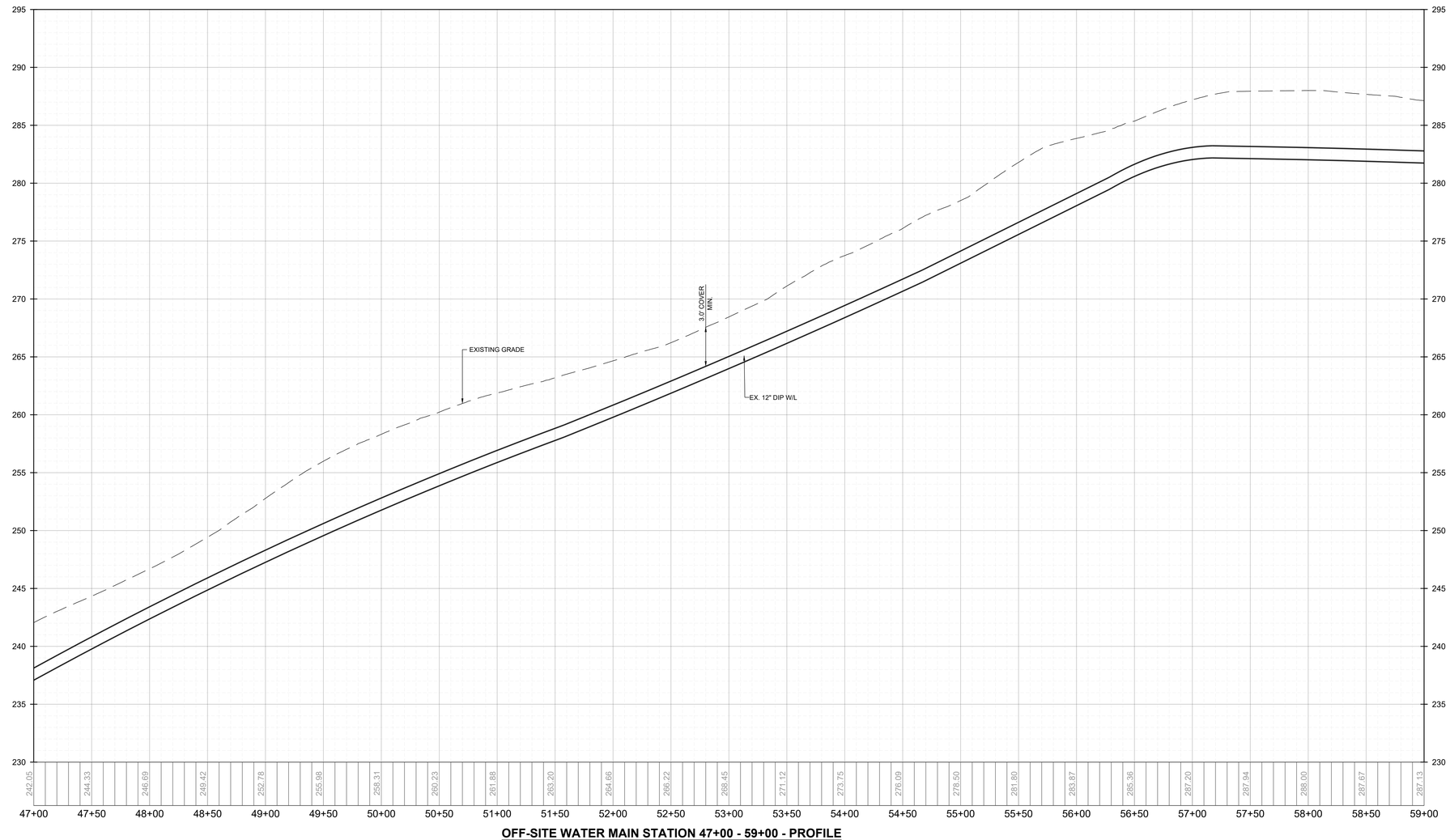
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE WATER MAIN STATION 47+00 - 59+00 - PROFILE

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

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STRONG ROCK PROJECT	PSP-23-03
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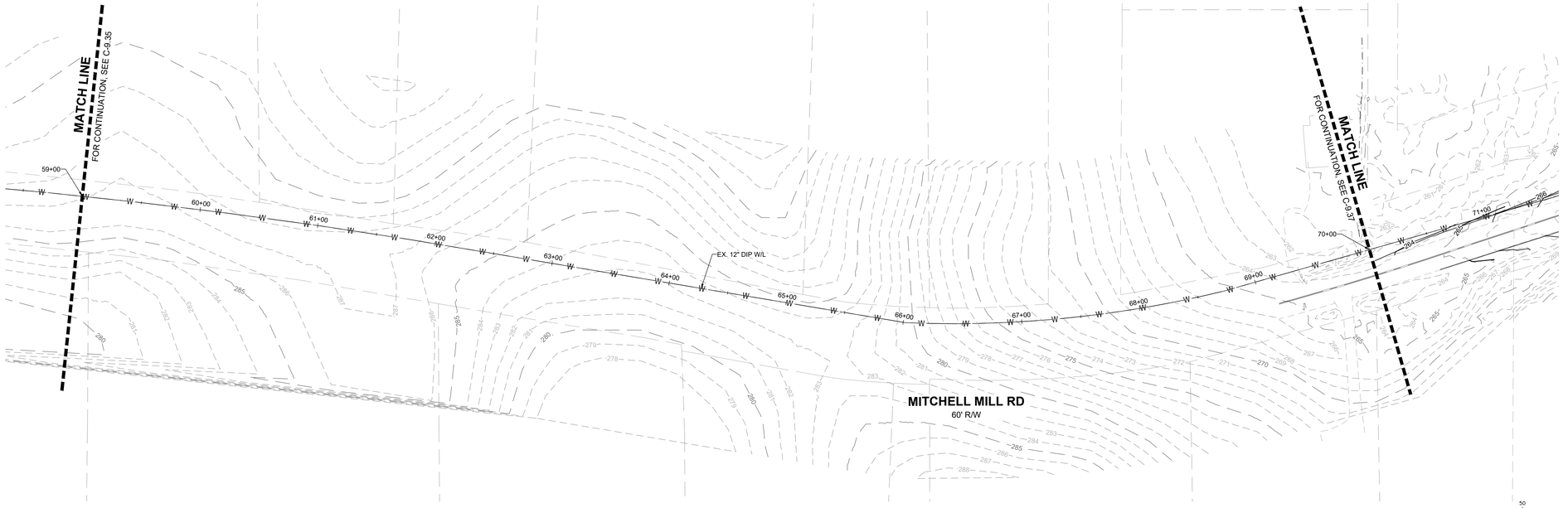
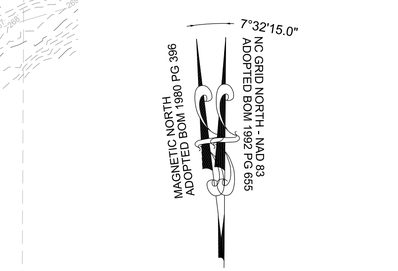
DRAWN BY	SRG
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING SHEET
C-9.35



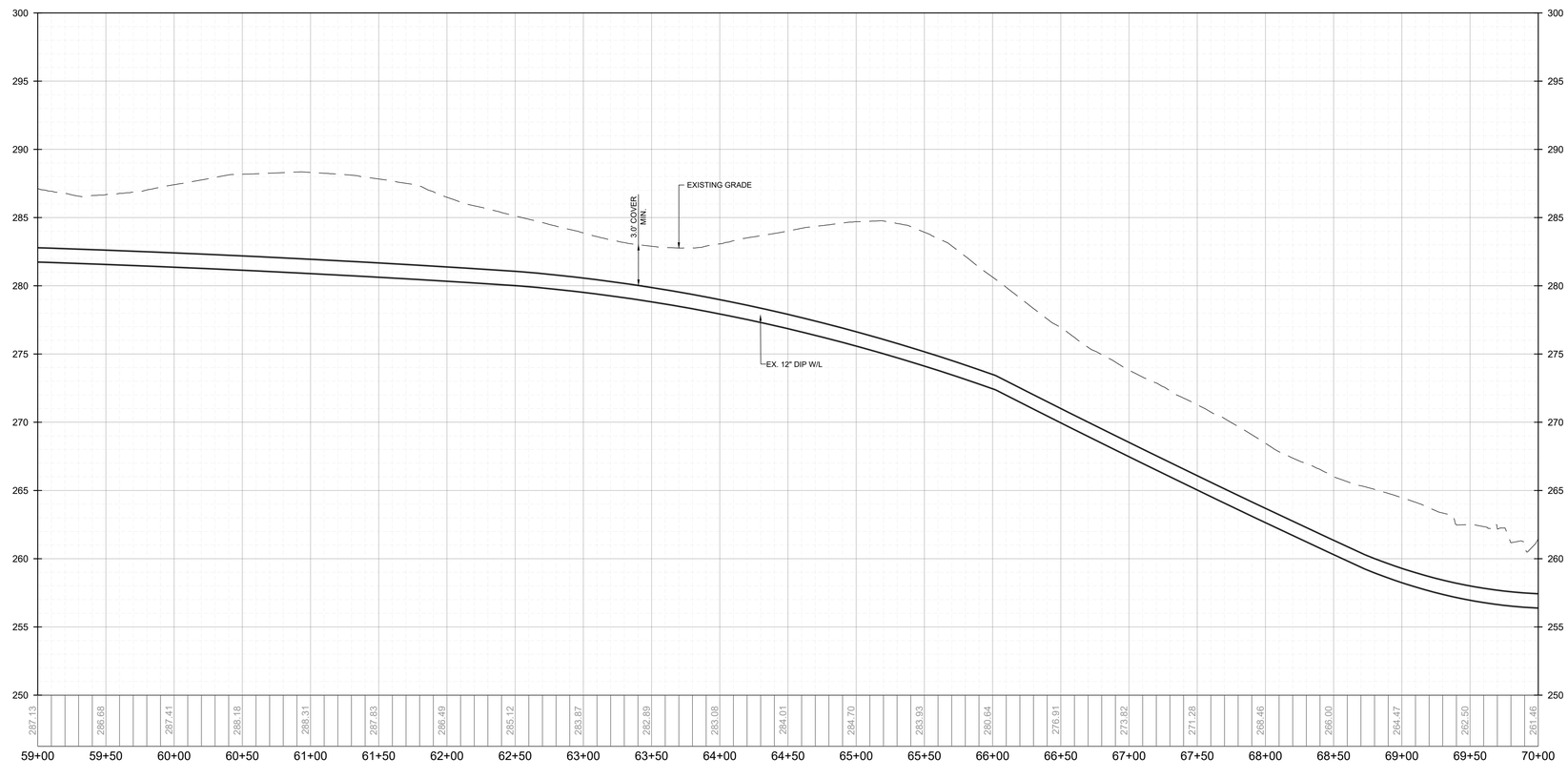
OFF-SITE WATER MAIN STATION 59+00 - 70+00 - PLAN
HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



OFF-SITE WATER MAIN STATION 59+00 - 70+00 - PROFILE
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'

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SEAL

NORTH CAROLINA PROFESSIONAL
SEAL
036225
ENGINEER
JOSHUA W. LAMBERT

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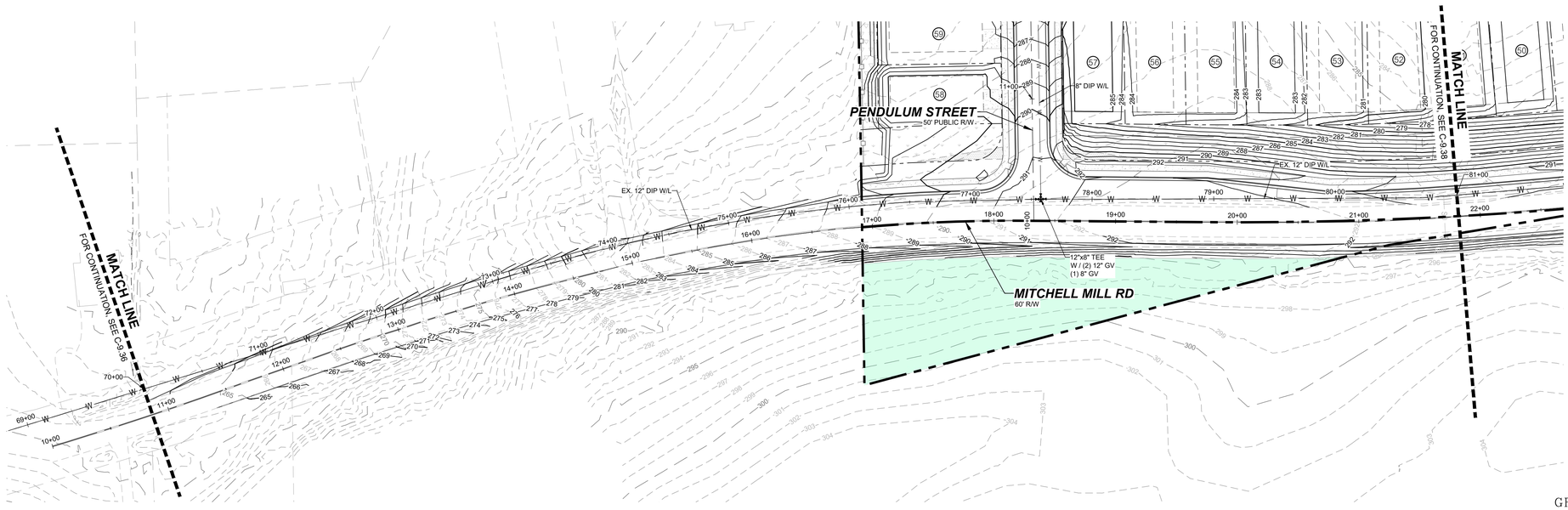
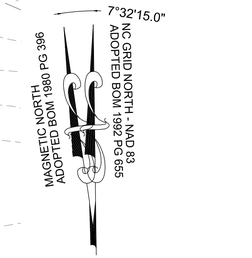
CHECKED BY	JWL

RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING
SHEET
C-9.36





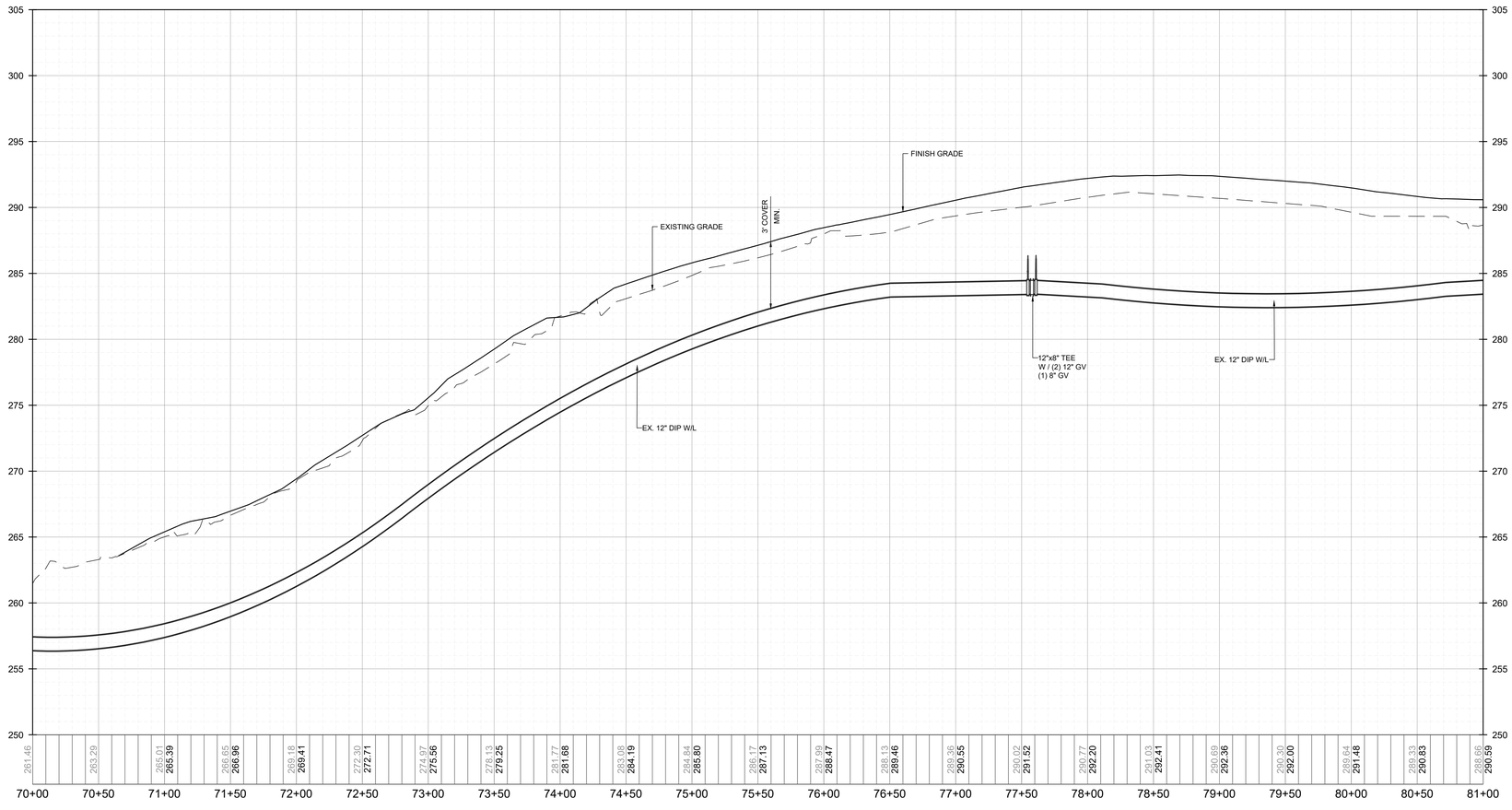
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

OFF-SITE WATER MAIN STATION 70+00 - 81+00 - PLAN

HORIZONTAL: 1" = 50'



OFF-SITE WATER MAIN STATION 70+00 - 81+00 - PROFILE

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

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

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

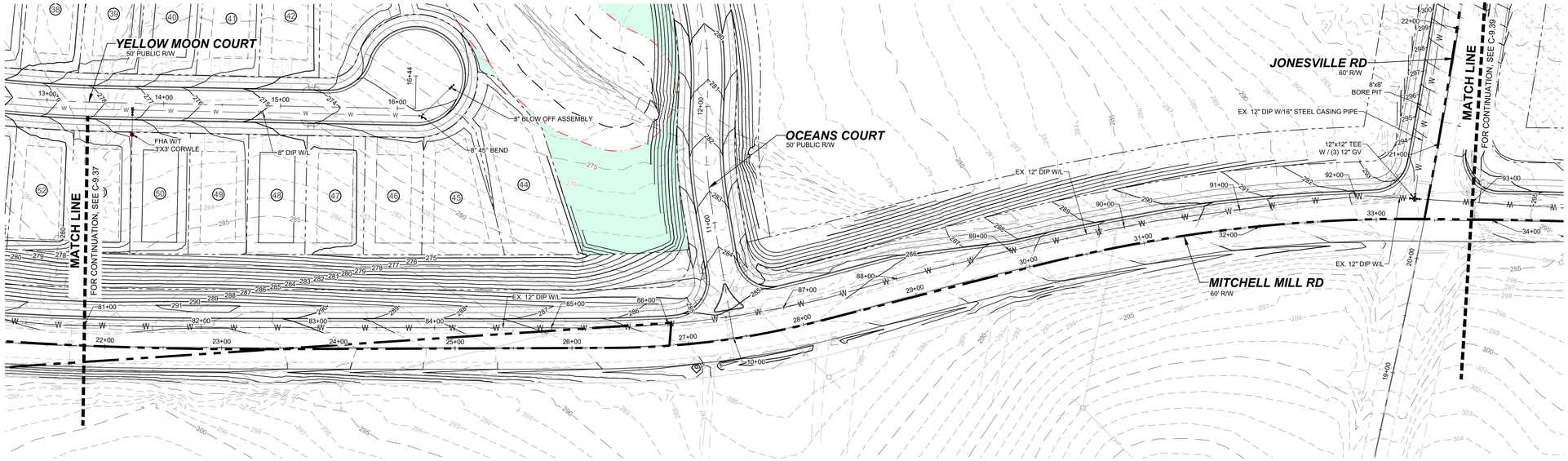
SEAL

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

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

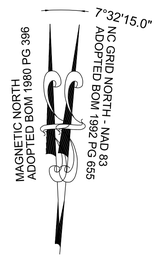
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING SHEET
C-9.37



OFF-SITE WATER MAIN STATION 81+00 - 93+00 - PLAN

HORIZONTAL: 1" = 50'



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

OFF-SITE WATER MAIN STATION 81+00 - 93+00 - PROFILE

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

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		DRAWN BY	SRG
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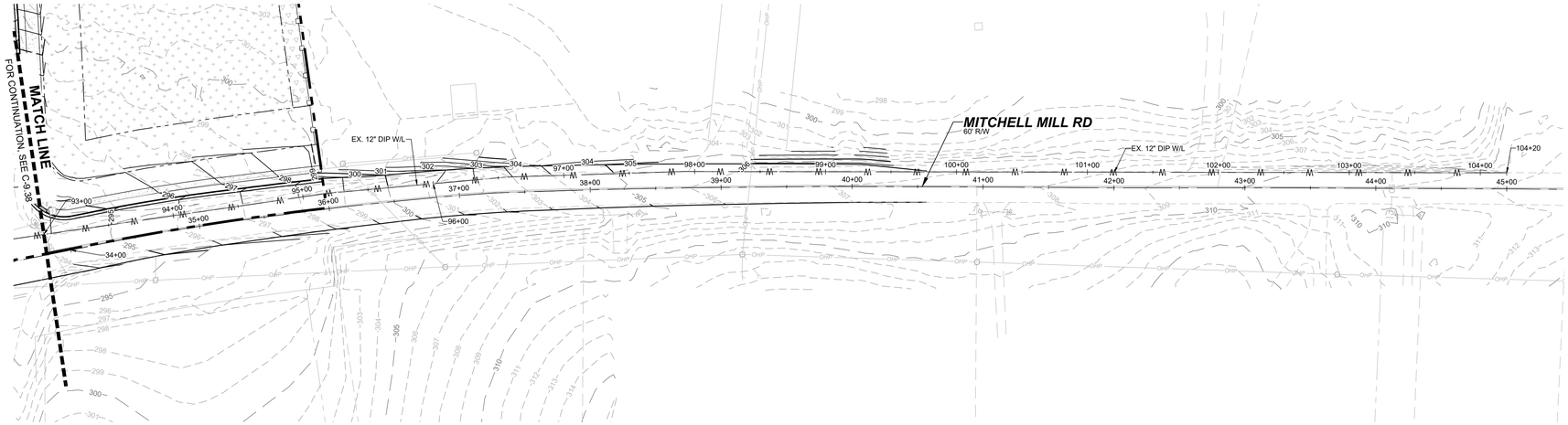
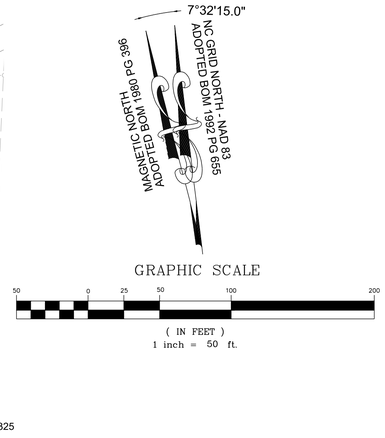
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

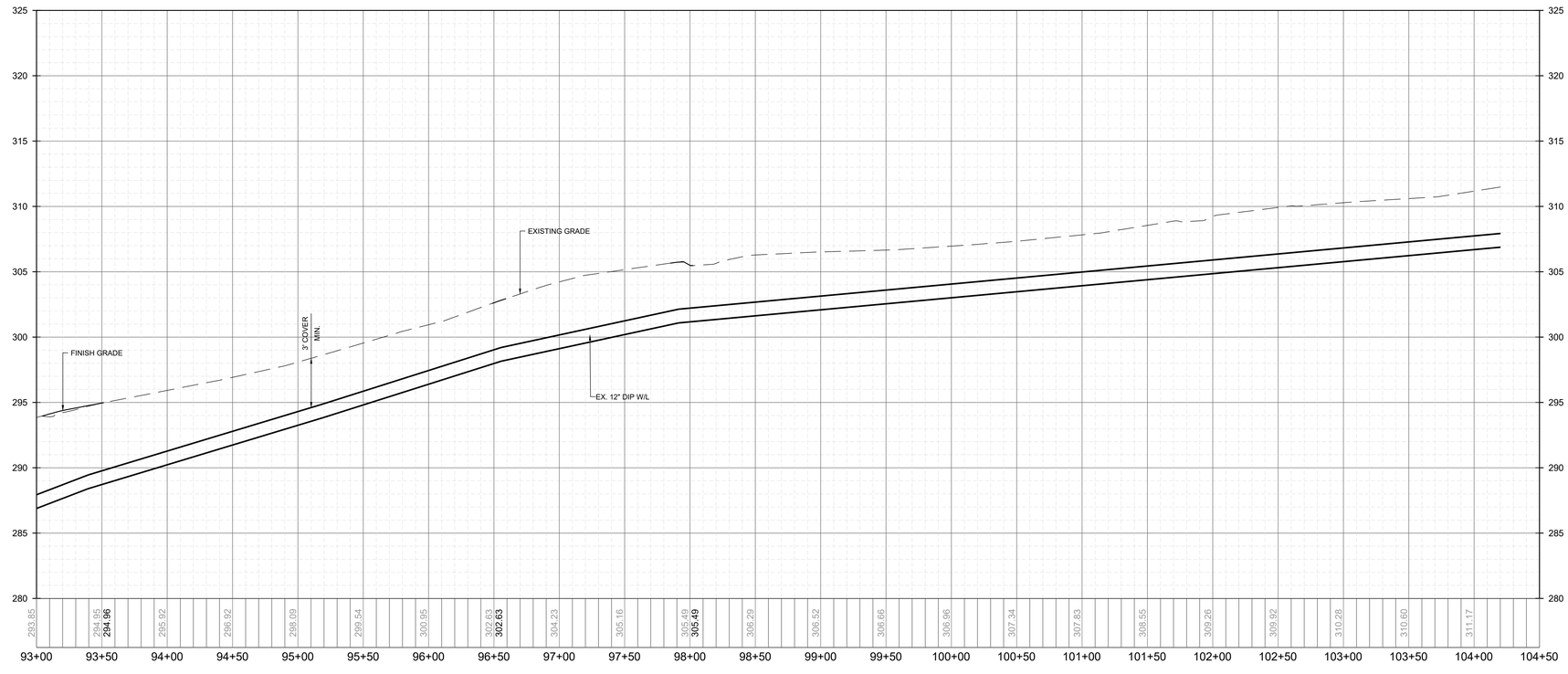
DRAWING SHEET
C-9.38



OFF-SITE WATER MAIN STATION 93+00 - 104+50 - PLAN

HORIZONTAL: 1" = 50'





OFF-SITE WATER MAIN STATION 93+00 - 104+50 - PROFILE

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

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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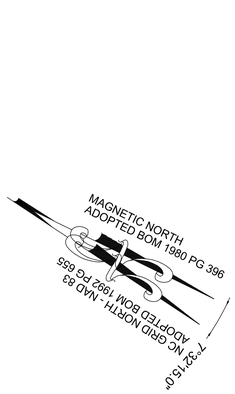
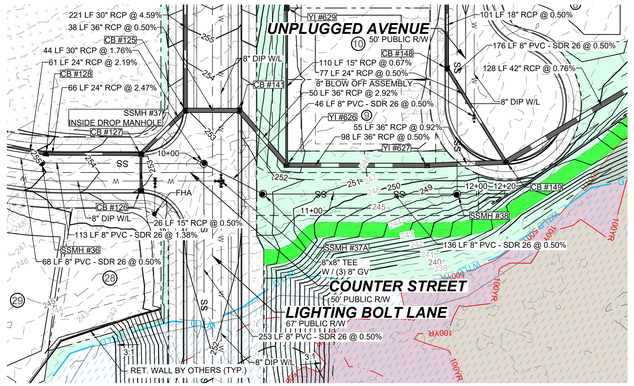
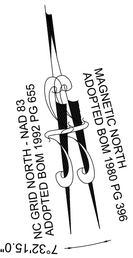
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
OFF-SITE WATER MAIN - PLAN & PROFILE

DRAWING SHEET
C-9.39







GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

PROPOSED SSMH #37 - SSMH #38 - PLAN

HORIZONTAL: 1" = 50'

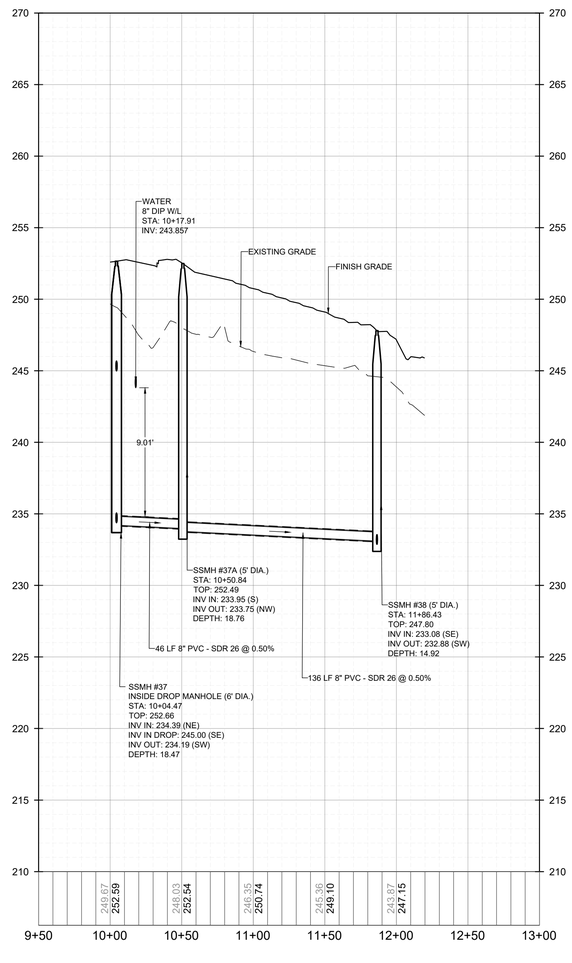
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

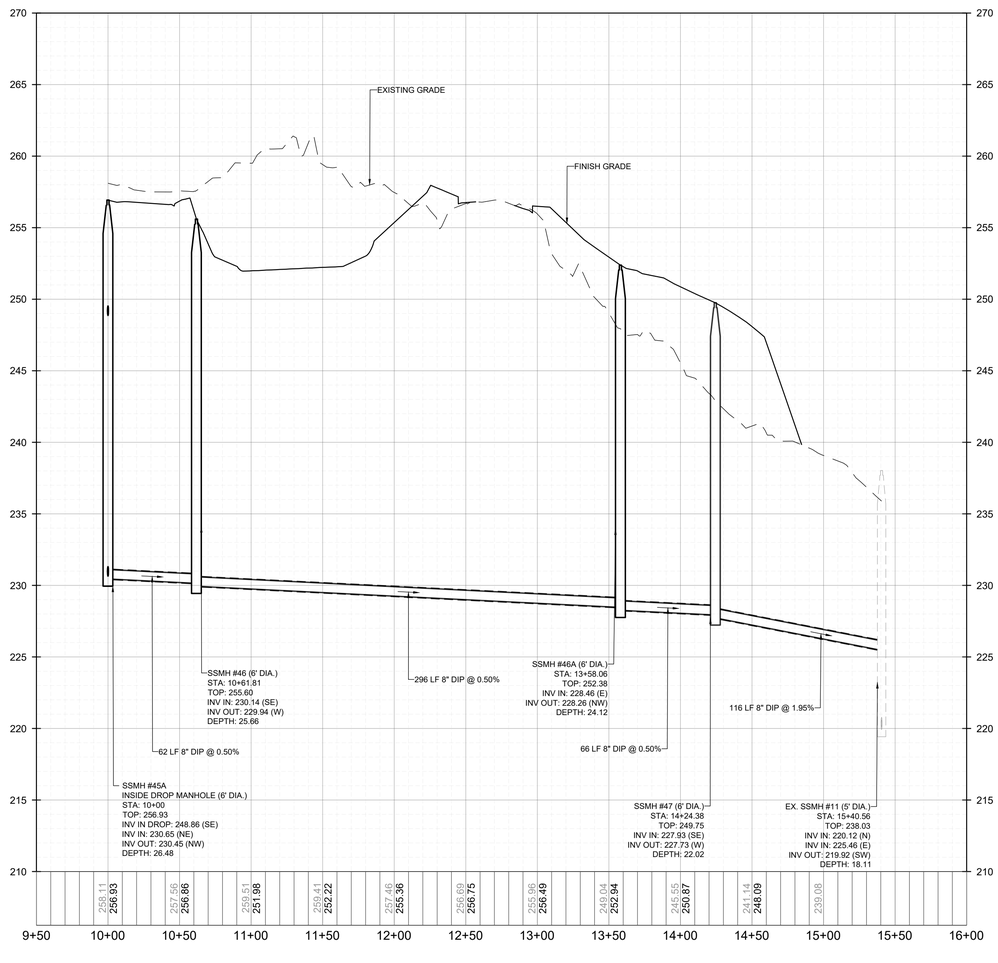
PROPOSED SSMH #45A - EX SSMH #11 - PLAN

HORIZONTAL: 1" = 50'



PROPOSED SSMH #37 - SSMH #38 - PROFILE

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



PROPOSED SSMH #45A - EX SSMH #11 - PROFILE

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

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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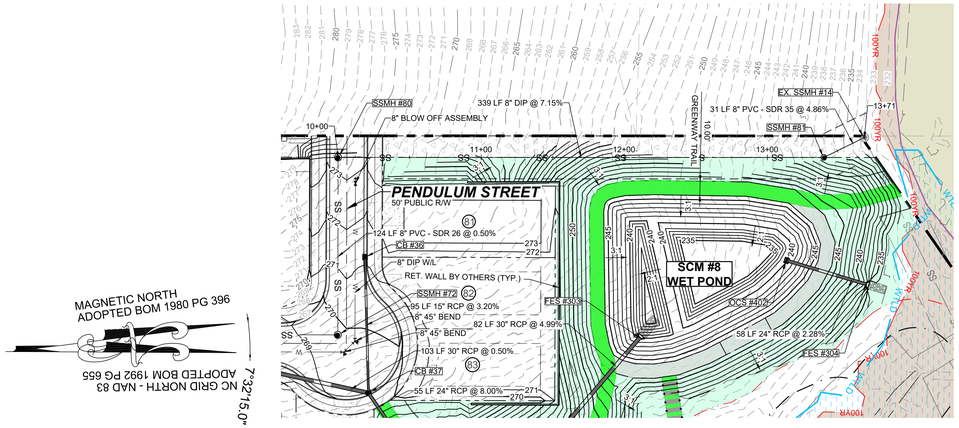
CONSTRUCTION PLANS
ON-SITE SANITARY SEWER - PLAN & PROFILE

DRAWING SHEET
C-9.40



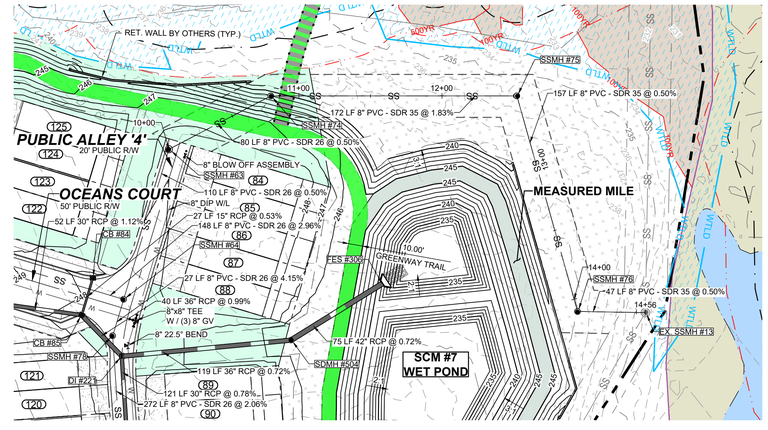
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

PROPOSED SSMH #80 - EX. SSMH #14 - PLAN

HORIZONTAL: 1" = 50'



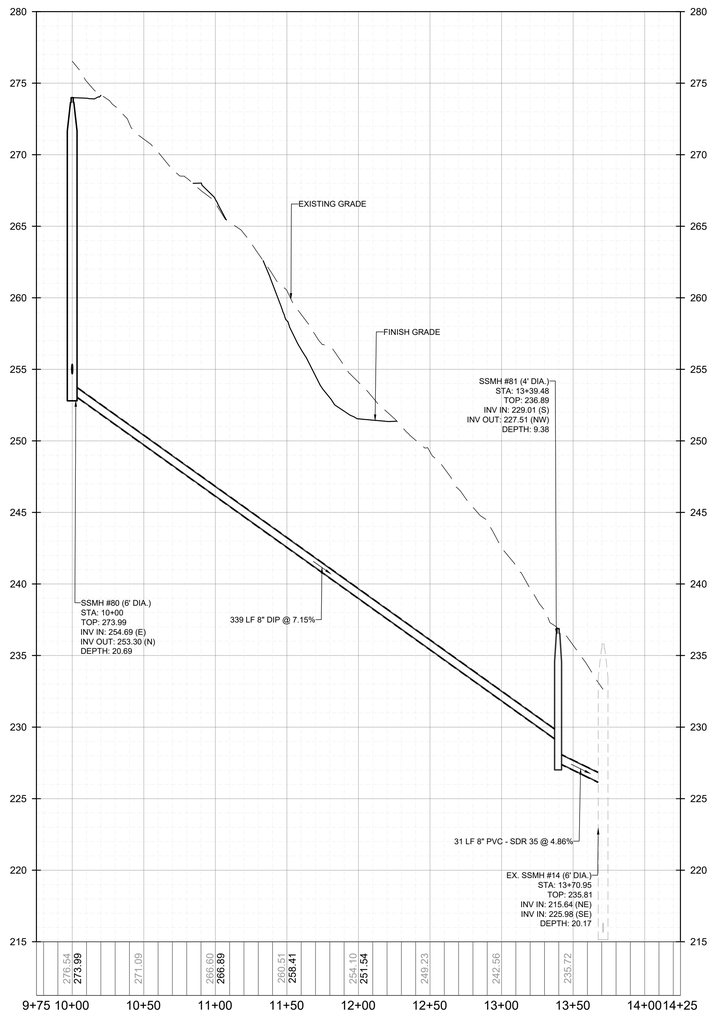
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

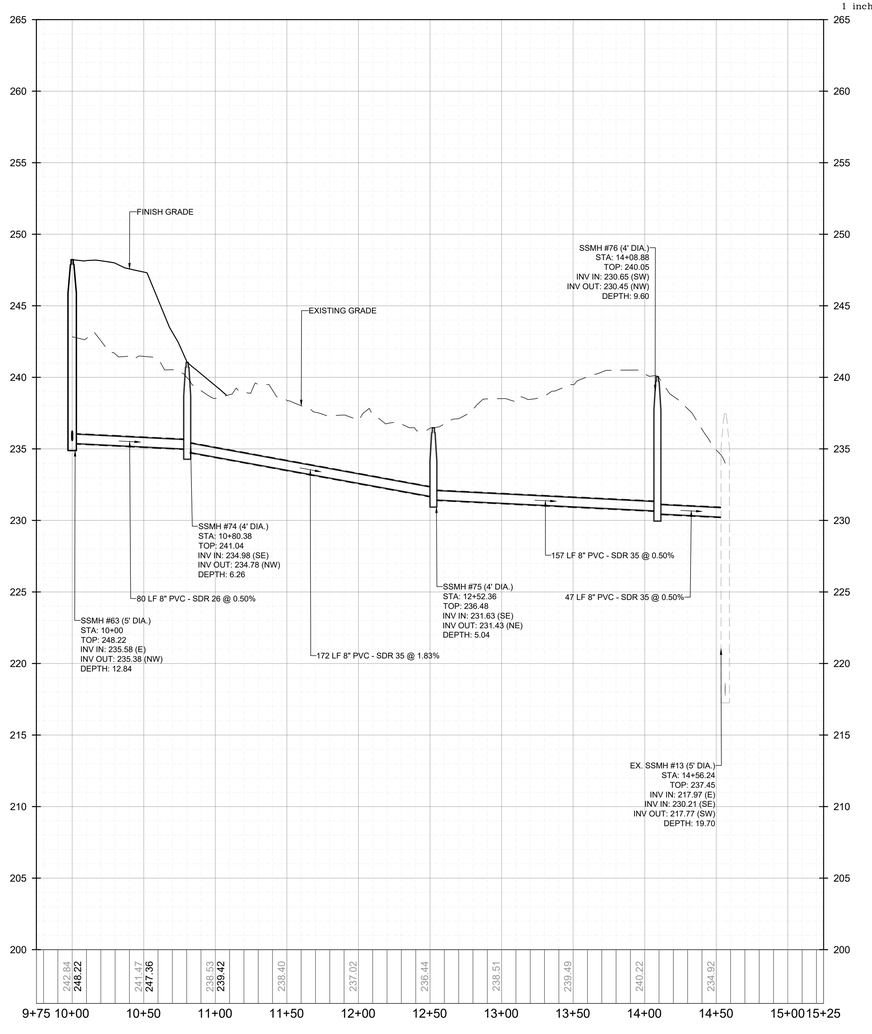
PROPOSED SSMH #63 - EX. SSMH #13 - PLAN

HORIZONTAL: 1" = 50'



PROPOSED SSMH #80 - EX. SSMH #14 - PROFILE

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



PROPOSED SSMH #63 - EX. SSMH #13 - PROFILE

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER WILLIAM W. L. AMBERT SEAL

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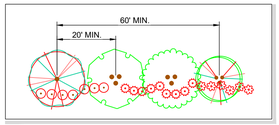
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

ON-SITE SANITARY SEWER - PLAN & PROFILE

DRAWING / SHEET

C-9.41



30' STREET YARD BUFFER

NOTES:

SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LANDSCAPING NOTES:

1. BUFFERS SHALL BE PLATTED AS SEPARATE TRACTS TO BE OWNED AND MAINTAINED BY THE HOA OR SIMILAR ENTITY.

2. OPEN SPACE RECORDED AS A CONSERVATION EASEMENT SHALL BE INDICATED ON ALL DEVELOPMENT APPROVALS.

TOWNHOME NOTES:

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

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING
STREET TREES								
	ACE FLD	51	**ACER FLORIDANUM**	**SOUTHERN SUGAR MAPLE**	12' HT.	B&B	3.0"	40' OC
	ACE SCR	37	**ACER X FREEMANII 'SCARSEN'**	**SCARLET SENTINEL® RED MAPLE**	12' HT.	B&B	3.0"	40' OC
	CAR FST	20	**CARPINUS BETULUS 'FASTIGIATA'**	**UPRIGHT EUROPEAN HORNBEAM**	12' HT.	B&B	3.0"	40' OC
	CLA LUT	39	**CLADRASTIS LUTEA**	**AMERICAN YELLOWWOOD**	12' HT.	B&B	3.0"	40' OC
	GIN AUT	28	**GINKGO BILOBA 'AUTUMN GOLD'**	**AUTUMN GOLD MAIDENHAIR TREE**	12' HT.	B&B	3.0"	40' OC
	GLE TTI	37	**GLEDITSIA TRIACANTHOS F. INERMIS**	**THORNLESS HONEY LOCUST**	12' HT.	B&B	3.0"	40' OC
	NYS SYL	40	**NYSSA SYLVATICA**	**TUPELO**	12' HT.	B&B	3.0"	40' OC
	PIS SAR	43	**PISTACIA CHINENSIS 'SARAH'S RADIANCE'**	**SARAH'S RADIANCE CHINESE PISTACHE**	12' HT.	B&B	3.0"	40' OC
	PLA OCC	25	**PLATANUS OCCIDENTALIS**	**AMERICAN SYCAMORE**	12' HT.	B&B	3.0"	40' OC
	QUE CEN	47	**QUERCUS BICOLOR 'BONNIE AND MIKE'**	**BEACON® OAK**	12' HT.	B&B	3.0"	40' OC
	QUE UIY	27	**QUERCUS HEMISPHAERICA 'QHMTF'**	**AVALYN™ LAUREL OAK**	12' HT.	B&B	3.0"	40' OC
	QUE SHU	46	**QUERCUS SHUMARDII**	**SHUMARD OAK**	12' HT.	B&B	3.0"	40' OC
	TIL AME	54	**TILIA AMERICANA**	**AMERICAN LINDEN**	12' HT.	B&B	3.0"	40' OC
SUBTOTAL:		**494**						
UNDERSTORY BUFFER								
	AME LKG	50	**AMELANCHIER LAEVIS**	**ALLEGHENY SERVICEBERRY MULTI-TRUNK**	8' HT.	B&B	3.0"	MULTI STEM
	CAR OCR	64	**CARPINUS CAROLINIANA 'ORANGE CRUSH'**	**ORANGE CRUSH AMERICAN HORNBEAM**	7' HT.	B&B	3.0"	MULTI STEM
	CHI VIR	51	**CHIONANTHUS VIRGINICUS**	**WHITE FRINGETREE**	6' HT.	B&B	3.0"	MULTI STEM
	LAG PXC	15	**LAGERSTROEMIA INDICA X FAURIEI 'APALACHEE'**	**APALACHEE CRAPE MYRTLE**	6' HT.	B&B	3.0"	MULTI STEM
	LAG OTN	63	**LAGERSTROEMIA INDICA X FAURIEI 'COMANCHE'**	**COMANCHE CRAPE MYRTLE**	6' HT.	B&B	3.0"	MULTI STEM
	LAG TON	16	**LAGERSTROEMIA INDICA X FAURIEI 'TONTO'**	**TONTO CRAPE MYRTLE MULTI-TRUNK**	6' HT.	B&B	3.0"	MULTI STEM
SUBTOTAL:		**259**						

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DETAIL
BUFFER SHRUBS								
	ILE CON	483	**ACER FLORIDANUM**	**CONVEX-LEAVED JAPANESE HOLLY**	2' HT.	POT	48' O.C.	
	LOR ' 'C	521	**LOROPETALUM CHINENSE RUBRUM 'CAROLINA MIDNIGHT'**	**CAROLINA MIDNIGHT FRINGE FLOWER**	2' HT.	POT	48' O.C.	
	PRU CSL	508	**PRUNUS LUSITANICA 'ANGUSTIFLOLIA'**	**PORTUGAL LAUREL**	3 GAL.	POT	48' O.C.	
SUBTOTAL:		**1512**						

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONG ROCK ENGINEERING GROUP

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

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DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET
C-10.0

100 OF 133

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

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

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

15.0' TYPE II PERIMETER BUFFER

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

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

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

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

TOWN OF ROLESVILLE INTERSECTION MONUMENT "HARRIS STREET" 30.0' EXISTING R/W

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

COMMUNITY GARDEN AMENITY

RET. WALL BY OTHERS (TYP.)

W1

SOUNDGARDEN COURT
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

THE OVERHEAD POWER WILL BE RELOCATED

PLAYFIELD

30.0' STREET YARD BUFFER

STREET LIGHT (TYP.)

CORNELL GARDEN STREET
50' PUBLIC R/W

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

10.0' BERM

SCM #6
WET POND

JONESVILLE RD
100' R/W

SWAMP/MARSH
HARRIS CREEK

STREAM A
"HARRIS CREEK"

MATCH LINE
FOR CONTINUATION, SEE C-10.2

BUFFER ZONE 2 (TYP.) 30.0'

MATCH LINE
FOR CONTINUATION, SEE C-10.4

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

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

C-10.1
C-10.2
C-10.4
C-10.3
C-10.5
C-10.6
C-10.8
C-10.9
C-10.7

SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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CHECKED BY	JWL

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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PARTIAL LANDSCAPE PLAN I

DRAWING SHEET
C-10.1

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

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

PROPERTY LINE

COMMUNITY GARDEN AMENITY

15.0' TYPE II PERIMETER BUFFER

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

GENERIC WOODEN PRIVACY FENCE 6' TALL

STREAM B

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

10.0' GREENWAY TRAIL

10.0' BERM

SCM #5 WET POND

SWAMP/MARSH HARRIS CREEK

RET. WALL BY OTHERS (TYP.)

W1

BUFFER ZONE 2 (TYP.) 200.0'

BUFFER ZONE 1 (TYP.) 120.0'

SWAMP/MARSH HARRIS CREEK

STREAM A "HARRIS CREEK"

MATCH LINE
FOR CONTINUATION, SEE C-10.1

10.0' GREENWAY

30.0' GREENWAY EASEMENT

PARKOUR COURSE

STREET LIGHT (TYP.)

SUPERSONIC WAY
50' PUBLIC R/W

14+34
14+00
16+53
13+00
15+00
16+00
12+00
11+00

15.0' TYPE II PERIMETER BUFFER

LUKIN LANE
50' PUBLIC R/W

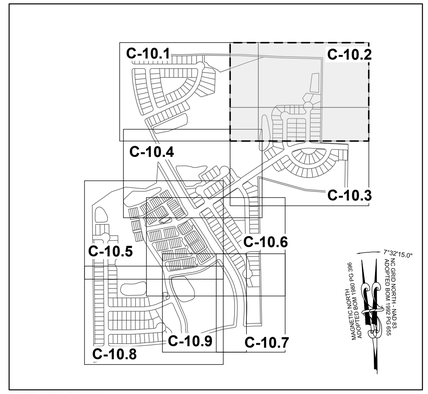
MATCH LINE
FOR CONTINUATION, SEE C-10.3

10.0' BERM

10.0' GREENWAY TRAIL

SCM #4 WET POND

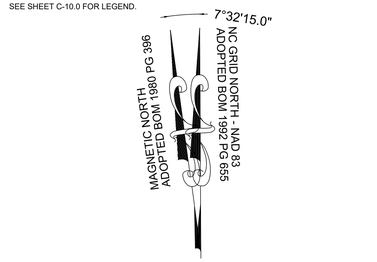
GRO PEG RD
60' PRIVATE R/W
RECORDED BOOK OF MAPS
1980 PAGE 396



SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL LANDSCAPE PLAN II

DRAWING SHEET

C-10.2

SWAMP/MARSH
HARRIS CREEK

W1

MATCH LINE
FOR CONTINUATION, SEE C-10.2

100YR
500YR
WTLD

10.0' BERM
10.0' GREENWAY TRAIL

SCM #4
WET POND

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

STREET LIGHT (TYP.)

PROPERTY LINE

POCKET PARK

LIGHTING BOLT LANE
62' PUBLIC R/W

LIGHTING BOLT LANE
67' PUBLIC R/W

PARACHUTE PLACE
50' PUBLIC R/W

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

FUTURE GRO PEG
RD IMPROVEMENTS
TO BE DETERMINED

0.2% ANNUAL CHANCE
FLOOD HAZARD

30.0' GREENWAY EASEMENT
10.0' GREENWAY

SIDEWALK (TYP.)
10.0'

RET. WALL BY OTHERS (TYP.)

W1
W2

30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)

STREAM E
STREAM H

15.0' TYPE I PERIMETER BUFFER

15.0' TYPE II
PERIMETER BUFFER

30.0' STREET YARD
BUFFER

GENERIC WOODEN
PRIVACY FENCE 6' TALL

15.0'
TYPE II PERIMETER BUFFER

GENERIC WOODEN
PRIVACY FENCE 6' TALL

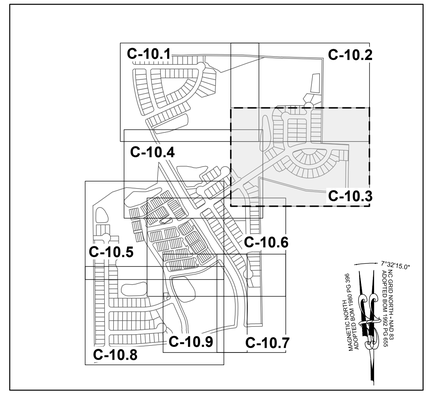
COUNTER STREET
50' PUBLIC R/W

AMENITY CENTER

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

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

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 FOR LEGEND.

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

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL
SEAL
036225
ENGINEER
JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-10.3

103 OF 133

TOWNHOME NOTES:

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

SITE KEY PLAN

LEGEND:

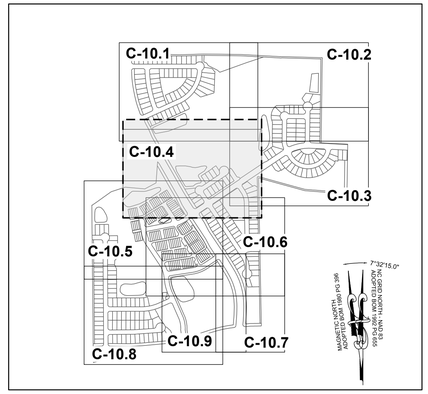
SEE SHEET C-10.0 FOR LEGEND.

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.



MATCH LINE
FOR CONTINUATION, SEE C-10.1

MATCH LINE
FOR CONTINUATION, SEE C-10.3

MATCH LINE
FOR CONTINUATION, SEE C-10.5

W1
W2
SWAMP/MARSH HARRIS CREEK
STREAM A "HARRIS CREEK"
BRIDGE
BUFFER ZONE 1 (TYP.)
30.0'
BUFFER ZONE 2 (TYP.)
20.0'
PROPERTY LINE
PROPOSED OVERHEAD POWER RELOCATION
RET. WALL BY OTHERS (TYP.)
EXISTING 30' TOWN OF ROLESVILLE HARRIS CREEK RIPARIAN BUFFER PER BM 1997 PG 682
10.0' BERM
10.0' GREENWAY TRAIL
SCM #3
WET POND
SCM #7
WET POND
0.2% ANNUAL CHANCE FLOOD HAZARD
100YR
500YR
WTLD
SS
OHP
STREET LIGHT (TYP.)
30.0' GREENWAY EASEMENT
10.0' GREENWAY
STREAM E
15.0' TYPE II PERIMETER BUFFER
SIDEWALK (TYP.)
AMENITY CENTER

LIGHTING BOLT LANE
67' PUBLIC R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

PUBLIC ALLEY 'A'
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

JONESVILLE RD
100' R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

STRONG ROCK PROJECT	P&P-22-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL UTILITY PLAN VI

DRAWING SHEET

C-10.4

PROGRESS PLOT DATE: 06/04/2024

TOWNHOME NOTES:

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

MATCH LINE
FOR CONTINUATION, SEE C-10.4

STREAM A "HARRIS CREEK"

MEASURED MILE

SCM #7
WET POND

10.0' BERM

30.0' STREET YARD BUFFER

PUBLIC ALLEY '4'
20' PUBLIC R/W

10.0' GREENWAY TRAIL

VEDDER LANE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

JONESVILLE RD
100' R/W

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

SCM #8
WET POND

10' BOARDWALK

STREAM I

30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)

RET. WALL BY OTHERS (TYP.)

STREET LIGHT (TYP.)

POCKET PARK II

30.0' STREET YARD BUFFER

MCCREADY COURT
50' PUBLIC R/W

PROPOSED OVERHEAD POWER RELOCATION

PUBLIC ALLEY '3'
20' PUBLIC R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

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

GENERIC WOODEN PRIVATE FENCE 6' TALL

OCEANS COURT
50' PUBLIC R/W

BASKETBALL & EXERCIZE

STREAM J

POCKET PARK I

PROPERTY LINE

PENDULUM STREET
50' PUBLIC R/W

STREAM G

W3

W4

W6

EXISTING DRY POND

10.0' GREENWAY

30.0' GREENWAY EASEMENT

PUBLIC ALLEY '1'
20' PUBLIC R/W

PUBLIC ALLEY '3'
20' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-10.6

30.0' STREET YARD BUFFER

BETTERMAN DRIVE
50' PUBLIC R/W

15.0'
TYPE II PERIMETER BUFFER

MATCH LINE
FOR CONTINUATION, SEE C-10.8

10.0' BERM

20.0' NO EASEMENT

7°32'15.0"
NC GRID NORTH
ADOPTED BOM 1990 PG 396

MAGNETIC NORTH
ADOPTED BOM 1990 PG 395

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

C-10.1 C-10.2 C-10.4 C-10.3 C-10.6 C-10.5 C-10.9 C-10.7 C-10.8

SITE KEY PLAN LEGEND:

SEE SHEET C-10.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 036225
JOSHUA W. LAMBERT

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

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

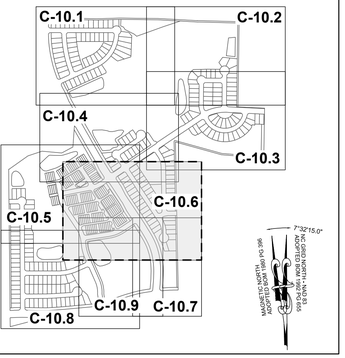
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS

PARTIAL LANDSCAPE PLAN V

DRAWING SHEET
C-10.5

105 OF 133

PUBLIC ALLEY '4'
20' PUBLIC R/W
10.0' GREENWAY TRAIL
VEDDER LANE
50' PUBLIC R/W
STREET LIGHT (TYP.)
POCKET PARK II
MCCREADY COURT
50' PUBLIC R/W
PUBLIC ALLEY '2'
20' PUBLIC R/W
OCEANS COURT
50' PUBLIC R/W
POCKET PARK I
LIGHTING BOLT LANE
62' PUBLIC R/W
JONESVILLE RD
100' R/W
30.0' STREET YARD BUFFER
PROPOSED OVERHEAD POWER RELOCATION
PUBLIC ALLEY '3'
20' PUBLIC R/W
PUBLIC ALLEY '1'
20' PUBLIC R/W
PUBLIC ALLEY '3'
20' PUBLIC R/W
10.0' GREENWAY
30.0' GREENWAY EASEMENT
MATCH LINE
FOR CONTINUATION, SEE C-10.8
OCEANS COURT
50' PUBLIC R/W
STREAM G
30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)
SCM #2
WET POND
BETTERMAN DRIVE
50' PUBLIC R/W
10.0' BERM
30' NO EASEMENT
MATCH LINE
FOR CONTINUATION, SEE C-10.5
PLAZA
FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC
AMENITY CENTER
COUNTER STREET
50' PUBLIC R/W
GIGATON STREET
50' PUBLIC R/W
RET. WALL BY OTHERS (TYP.)
GENERIC WOODEN PRIVATE FENCE 6' TALL
15.0' TYPE II PERIMETER BUFFER
MONKEYWRENCH STREET
50' PUBLIC R/W
MATCH LINE
FOR CONTINUATION, SEE C-10.7
JONESVILLE RD
60' R/W
30.0' STREET YARD BUFFER
CRICKET PITCH



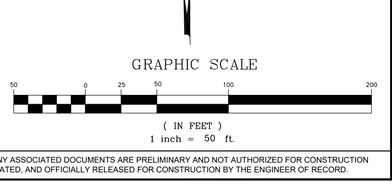
SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 FOR LEGEND.

TOWNHOME NOTES:

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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
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No.	REVISIONS	DATE	BY

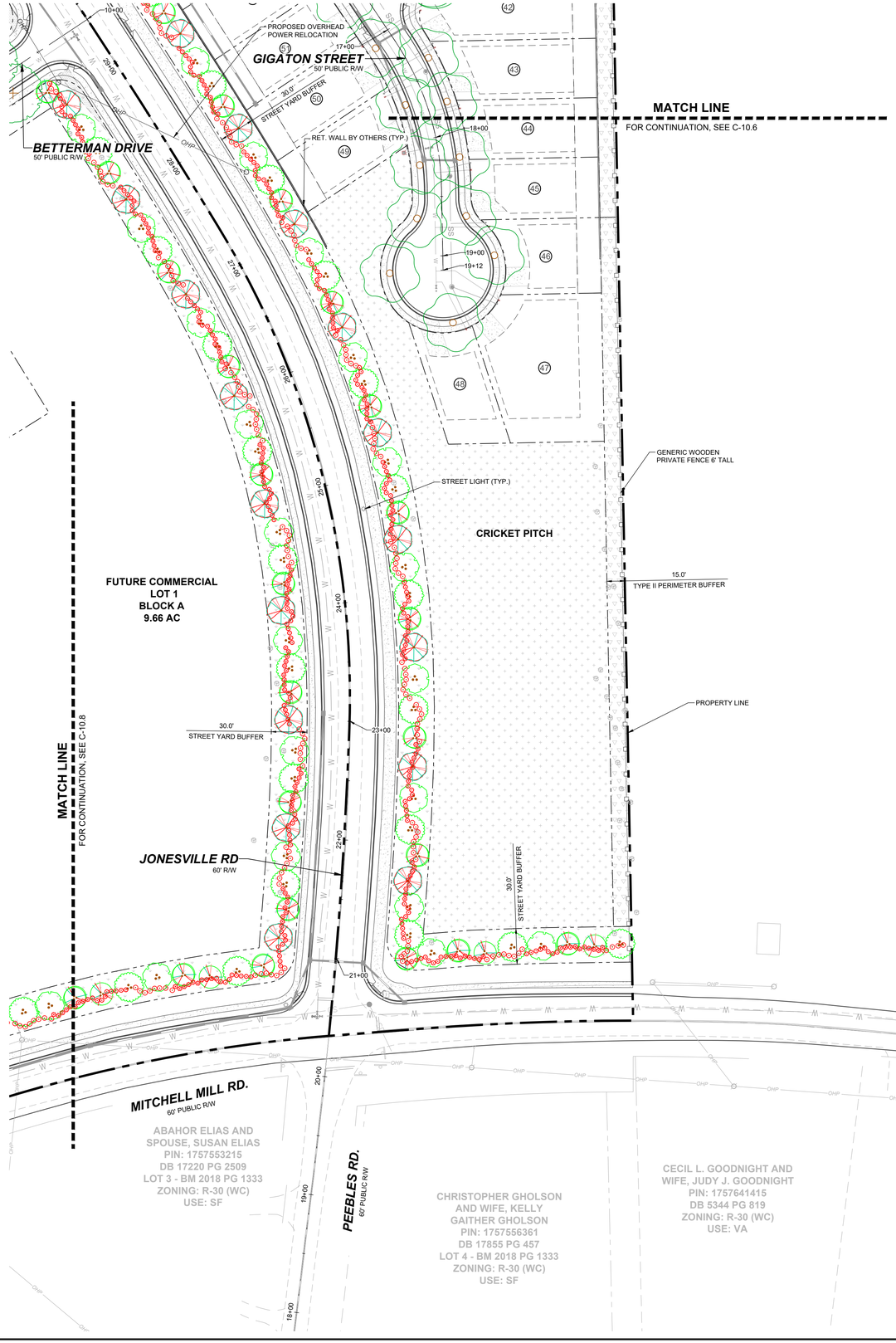
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

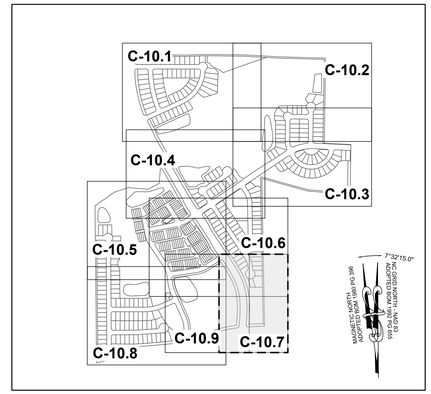
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET
C-10.6

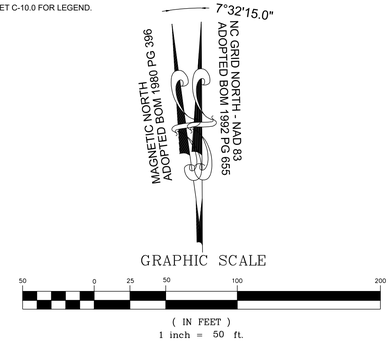




SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 FOR LEGEND.



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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL LANDSCAPE PLAN VII

DRAWING SHEET

C-10.7

PROGRESS PLOT DATE: 06/04/2024

EXISTING DRY POND

BETTERMAN DRIVE
50' PUBLIC R/W

RET. WALL BY OTHERS (TYP.)

W6

MATCH LINE
FOR CONTINUATION, SEE C-10.5

FRISBEE GOLF AREA

NEIGHBOURHOOD PARK

10.0' BERM

SCM #1
WET POND

10.0' GREENWAY

130.0' GREENWAY EASEMENT

10.00' BERM

SCM #2
WET POND

EVEN FLOW LANE
50' PUBLIC R/W

FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC

OCEANS COURT
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

STREET LIGHT (TYP.)

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

YELLOW MOON COURT
50' PUBLIC R/W

30.0' STREET YARD BUFFER

MITCHELL MILL RD.
60' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-10.7

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

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

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

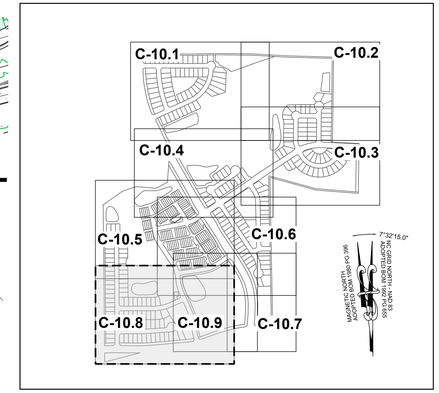
TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE
PIN: 1757357764
DB 9236 PG 2229
LOT 3
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

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

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

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

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

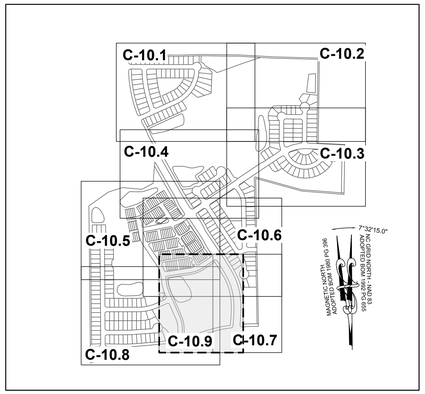
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL LANDSCAPE PLAN VIII

DRAWING SHEET

C-10.8



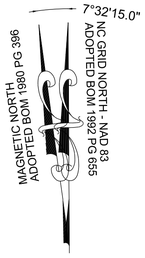
SITE KEY PLAN

LEGEND:

SEE SHEET C-10.0 FOR LEGEND.

TOWNHOME NOTES:

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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL LANDSCAPE PLAN IX

DRAWING SHEET

C-10.9

DUKE ENERGY.

Outdoor Lighting

Mitchell LED
(with ribs, bands and medallions)

Part of the Masterpiece Series, the energy-efficient Mitchell LED with ribs, bands and medallions enhances the character and prestige of streetscapes and parking lots, as well as pedestrian areas and greenways. This fixture provides safety and security in commercial settings and will complement any neighborhood with its classic, elegant design.

LED *(light-emitting diode)*	50 watts
Mounting height	12'
Color	Black
Poles	Colonial concrete Victorian concrete Washington concrete
Applications	Neighborhoods Parks Shopping centers Streets

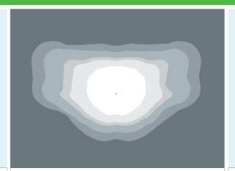
For additional information, visit us at **duke-energy.com/OutdoorLighting** or call us toll-free at **866.769.6417.**

DUKE ENERGY.

Outdoor Lighting

Mitchell LED *(with ribs, bands and medallions)*

Light source: LED *(white)*
Wattage: 50
Lumens: 5,480
Light pattern: IESNA Type III *(oval)*
IESNA cutoff classification: Non-cutoff
Color temperature: 4,000K



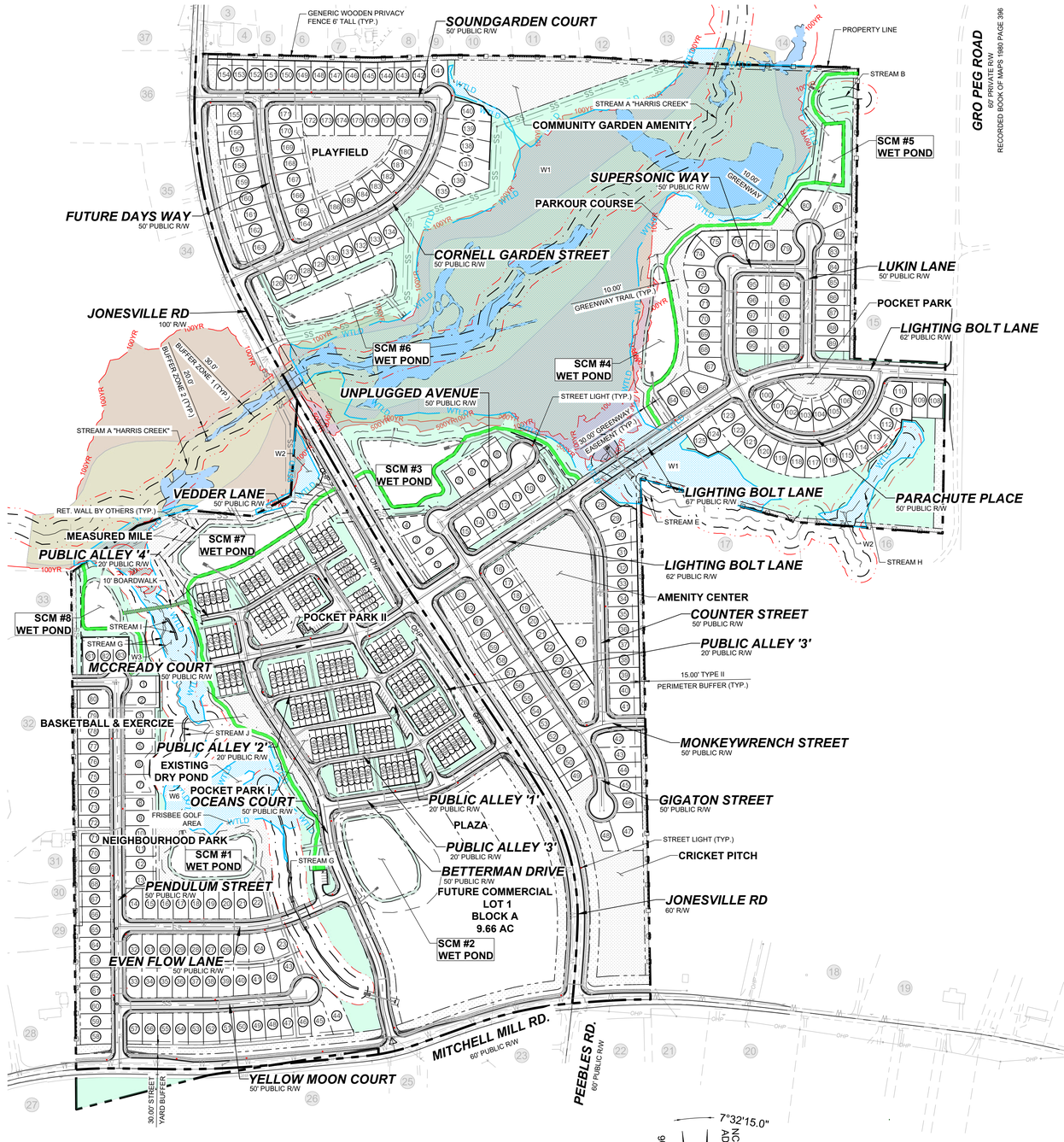
light distribution pattern

Pole available:

Name	*Mounting height*	*Color*
Colonial concrete Victorian concrete Washington concrete	12'	Black Black, Gray-green Black, Gray

Features	Benefits
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today … and tomorrow

©2016 Duke Energy Corporation 162867 10/16



NOTES:
SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-11.0

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

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

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

15.0' TYPE II PERIMETER BUFFER

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

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

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

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

PROPERTY LINE

30.0' EXISTING JONESVILLE INTERSECTION LINE PER HARRIS SURVEY DB 1992 PG 655

TOWN OF ROLESVILLE

GENERIC WOODEN PRIVACY FENCE 6' TALL

STREET LIGHT

COMMUNITY GARDEN AMENITY

RET. WALL BY OTHERS (TYP.)

W1

SOUNDGARDEN COURT
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

THE OVERHEAD POWER WILL BE RELOCATED

PLAYFIELD

30.0' STREET YARD BUFFER

CORNELL GARDEN STREET
50' PUBLIC R/W

10.0' BERM

SCM #6
WET POND

JONESVILLE RD
100' R/W

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

SWAMP/MARSH
HARRIS CREEK

STREAM A
"HARRIS CREEK"

BUFFER ZONE 1 (TYP.)
30.0'

BUFFER ZONE 2 (TYP.)
20.0'

MATCH LINE
FOR CONTINUATION, SEE C-11.2

MATCH LINE
FOR CONTINUATION, SEE C-11.4

MAGNETIC NORTH
ADOPTED BOM 1980 PG 396

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

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

C-11.1
C-11.2
C-11.3
C-11.4
C-11.5
C-11.6
C-11.7
C-11.8
C-11.9

SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 FOR LEGEND.

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-11.1

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

PROPERTY LINE

30' EXISTING TOWN OF ROBERSONVILLE SANITARY SEWER INTERCEPTOR BM 1992 PG 655

HARRIS CREEK

15.0' TYPE II PERIMETER BUFFER

COMMUNITY GARDEN AMENITY

GENERIC WOODEN PRIVACY FENCE 6' TALL

STREAM B

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

10.0' GREENWAY TRAIL

10.0' BERM

SCM #5
WET POND

W1

BUFFER ZONE 2 (TYP.) 200.0'

SWAMP/MARSH
HARRIS CREEK

RET. WALL BY OTHERS (TYP.)

10.0' GREENWAY

MATCH LINE
FOR CONTINUATION, SEE C-11.1

SWAMP/MARSH
HARRIS CREEK

STREAM A
"HARRIS CREEK"

BUFFER ZONE 1 (TYP.) 120.0'

30.0' GREENWAY EASEMENT

PARKOUR COURSE

15.0' TYPE II
PERIMETER BUFFER

STREET LIGHT

SUPERSONIC WAY
50' PUBLIC R/W

14+34
14+00
16+53
13+00
15+00
16+00
12+00
11+00

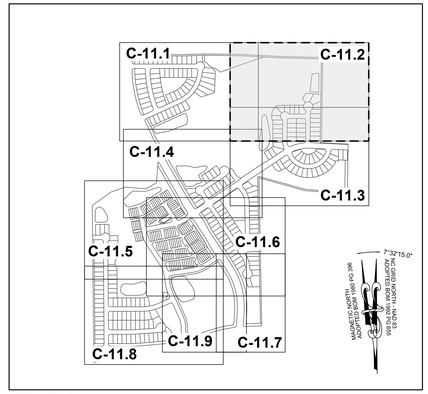
MATCH LINE
FOR CONTINUATION, SEE C-11.3

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

LUKIN LANE
50' PUBLIC R/W

SCM #4
WET POND

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-11.2

112 OF 133

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

SWAMP/MARSH
HARRIS CREEK

W1

MATCH LINE
FOR CONTINUATION, SEE C-11.2

SUPERSONIC WAY
50' PUBLIC R/W

STREET LIGHT

LUKIN LANE
50' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

STREET LIGHT

SCM #4
WET POND

10.0' BERM
10.0' GREENWAY TRAIL

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

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

POCKET PARK

STREET LIGHT

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

FUTURE GRO PEG RD IMPROVEMENTS TO BE DETERMINED

LIGHTING BOLT LANE
62' PUBLIC R/W

LIGHTING BOLT LANE
67' PUBLIC R/W

PARACHUTE PLACE
50' PUBLIC R/W

0.2% ANNUAL CHANCE FLOOD HAZARD

GREENWAY EASEMENT 30.0'
10.0' GREENWAY
10.0' SIDEWALK (TYP.)

RET. WALL BY OTHERS (TYP.)

BUFFER ZONE 1 (TYP.) 30.0'
BUFFER ZONE 2 (TYP.) 20.0'

STREAM E
STREAM H

W1
W2

30.0' STREET YARD BUFFER

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

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

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

COUNTER STREET
50' PUBLIC R/W

AMENITY CENTER

SITE KEY PLAN

C-11.1 C-11.2 C-11.4 C-11.3 C-11.5 C-11.6 C-11.8 C-11.9 C-11.7

LEGEND:

SEE SHEET C-11.0 FOR LEGEND.

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

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-11.3

TOWNHOME NOTES:

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 FOR LEGEND.

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

MAGNETIC NORTH ADOPTED BOM 1980 PG 396

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

C-11.1 C-11.2 C-11.4 C-11.3 C-11.5 C-11.6 C-11.9 C-11.7 C-11.8

MATCH LINE
FOR CONTINUATION, SEE C-11.1

MATCH LINE
FOR CONTINUATION, SEE C-11.3

MATCH LINE
FOR CONTINUATION, SEE C-11.5

45+00 44+00 43+00 42+00 41+00 40+00 39+00 37+00 35+00

100YR 500YR WTLD

W1 W2

SWAMP/MARSH HARRIS CREEK

STREAM A "HARRIS CREEK"

BRIDGE

BUFFER ZONE 1 (TYP.) 20.0'

BUFFER ZONE 2 (TYP.) 30.0'

PROPERTY LINE

PROPOSED OVERHEAD POWER RELOCATION

RET. WALL BY OTHERS (TYP.)

EXISTING 30' TOWN OF ROLESVILLE HARRIS CREEK REFERENCE FOR BM 1992 PG 655

SCM #7 WET POND

SCM #3 WET POND

10.0' BERM

10.0' GREENWAY TRAIL

STREET LIGHT

0.2% ANNUAL CHANCE FLOOD HAZARD

30.0' GREENWAY EASEMENT

PUBLIC ALLEY '4'
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

JONESVILLE RD
100' R/W

UNPLUGGED AVENUE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

COUNTER STREET
50' PUBLIC R/W

LIGHTING BOLT LANE
67' PUBLIC R/W

AMENITY CENTER

15.0' TYPE II PERIMETER BUFFER

SIDEWALK (TYP.)

STREAM E

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

PARTIAL LIGHTING PLAN IV

DRAWING SHEET

C-11.4

PROGRESS PLOT DATE: 06/04/2024

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

MATCH LINE
FOR CONTINUATION, SEE C-11.4

STREAM A "HARRIS CREEK"

SCM #7
WET POND
MEASURED MILE

SCM #8
WET POND

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

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

PROPERTY LINE

GENERIC WOODEN PRIVATE FENCE 6' TALL

RET. WALL BY OTHERS (TYP.)

10' BOARDWALK

10.0' GREENWAY TRAIL

10.0' BERM

30.0' BUFFER ZONE 1 (TYP.)

20.0' BUFFER ZONE 2 (TYP.)

15.0' TYPE II PERIMETER BUFFER

STREAM I
STREAM G
STREAM J
W3
W4
W6

EXISTING DRY POND

BASKETBALL & EXERCIZE

PUBLIC ALLEY '4'
20' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

POCKET PARK I

PENDULUM STREET
50' PUBLIC R/W

PUBLIC ALLEY '3'
20' PUBLIC R/W

PUBLIC ALLEY '1'
20' PUBLIC R/W

BETTERMAN DRIVE
50' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

JONESVILLE RD
100' R/W

30.0' STREET YARD BUFFER

PROPOSED OVERHEAD POWER RELOCATION

STREET LIGHT

MATCH LINE
FOR CONTINUATION, SEE C-11.6

MATCH LINE
FOR CONTINUATION, SEE C-11.8

C-11.1 C-11.2 C-11.3 C-11.4 C-11.5 C-11.6 C-11.7 C-11.8 C-11.9

SITE KEY PLAN

LEGEND:
SEE SHEET C-11.0 FOR LEGEND.

MAGNETIC NORTH
ADOPTED BOM 1990 PG 396
7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 555

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT
SEAL

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

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

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

PARTIAL LIGHTING PLAN V

DRAWING SHEET
C-11.5

PUBLIC ALLEY '4'
20' PUBLIC R/W
10.0' GREENWAY TRAIL
VEDDER LANE
50' PUBLIC R/W
LIGHTING BOLT LANE
62' PUBLIC R/W
JONESVILLE RD
100' R/W
AMENITY CENTER
COUNTER STREET
50' PUBLIC R/W
GIGATON STREET
50' PUBLIC R/W
POCKET PARK II
MCCREADY COURT
50' PUBLIC R/W
PUBLIC ALLEY '2'
20' PUBLIC R/W
OCEANS COURT
50' PUBLIC R/W
POCKET PARK I
PUBLIC ALLEY '3'
20' PUBLIC R/W
PUBLIC ALLEY '1'
20' PUBLIC R/W
PROPOSED OVERHEAD POWER RELOCATION
30.0' STREET YARD BUFFER
STREET LIGHT
GENERIC WOODEN PRIVATE FENCE 6' TALL
15.0' TYPE II PERIMETER BUFFER
RET. WALL BY OTHERS (TYP.)
MONKEYWRENCH STREET
50' PUBLIC R/W
JONESVILLE RD
60' R/W
BETTERMAN DRIVE
50' PUBLIC R/W
10.0' BERM
PLAZA
SCM #2
WET POND
FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC
CRICKET PITCH
30.0' GREENWAY EASEMENT
10.0' GREENWAY
WTLD
STREAM G
30.0' BUFFER ZONE 1 (TYP.)
20.0' BUFFER ZONE 2 (TYP.)
MATCH LINE
FOR CONTINUATION, SEE C-11.8
MATCH LINE
FOR CONTINUATION, SEE C-11.5
MATCH LINE
FOR CONTINUATION, SEE C-11.7

C-11.1 C-11.2 C-11.3 C-11.4 C-11.5 C-11.6 C-11.7 C-11.8 C-11.9

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

SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 FOR LEGEND.

TOWNHOME NOTES:

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

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

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No.	REVISIONS	DATE	BY

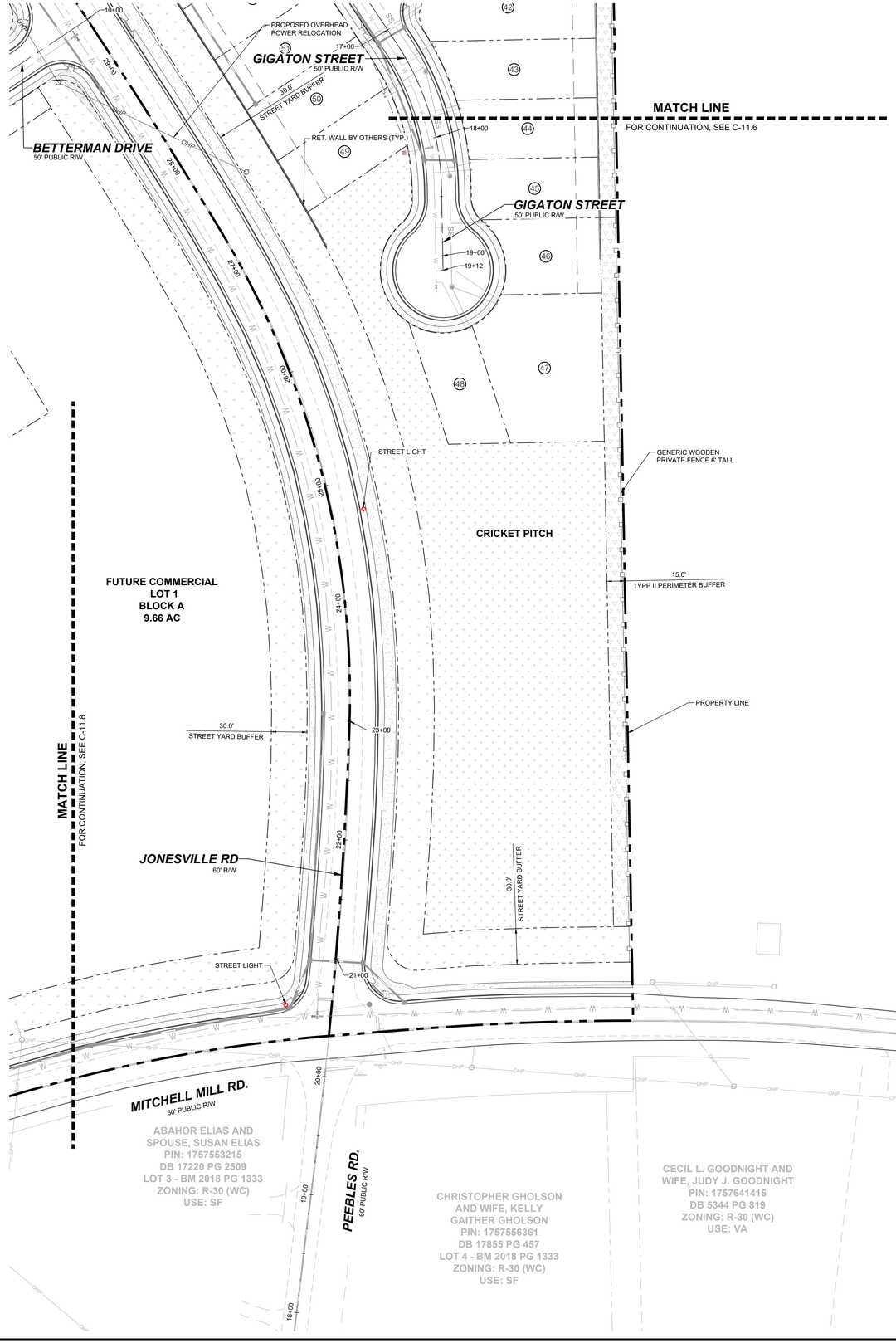
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036225 JOSHUA W. LAMBERT
SEAL

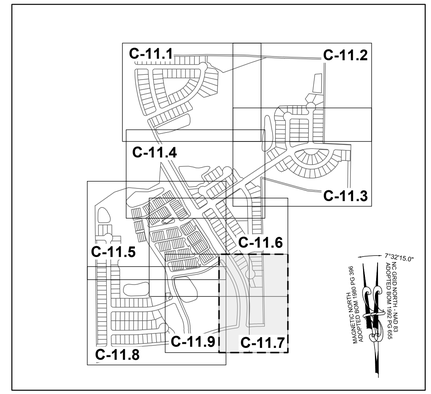
STRONGROCK
ENGINEERING GROUP
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2165
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET
C-11.6

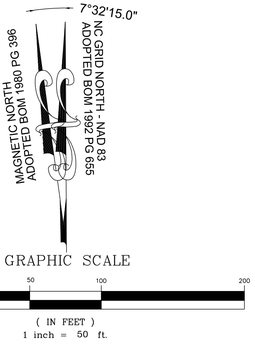




SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 FOR LEGEND.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK ENGINEERING GROUP

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

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

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

PARTIAL LIGHTING PLAN VII

DRAWING SHEET

C-11.7

117 OF 133

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

PROGRESS PLOT DATE: 06/04/2024

EXISTING DRY POND

RET. WALL BY OTHERS (TYP.)

W6

FRISBEE GOLF AREA

NEIGHBOURHOOD PARK

SCM #1 WET POND

SCM #2 WET POND

10.0' BERM

10.0' GREENWAY

30.0' GREENWAY EASEMENT

MATCH LINE
FOR CONTINUATION, SEE C-11.5

MATCH LINE
FOR CONTINUATION, SEE C-11.7

BETTERMAN DRIVE
50' PUBLIC R/W

EVEN FLOW LANE
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

YELLOW MOON COURT
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

MITCHELL MILL RD.
60' PUBLIC R/W

FUTURE COMMERCIAL
LOT 1
BLOCK A
9.66 AC

STREET LIGHT

STREAM G

30.0' BUFFER ZONE 1 (TYP.)

30.0' BUFFER ZONE 2 (TYP.)

30.0' STREET YARD BUFFER

15.0' TYPE II PERIMETER BUFFER

GENERIC WOODEN PRIVATE FENCE 6' TALL

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

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

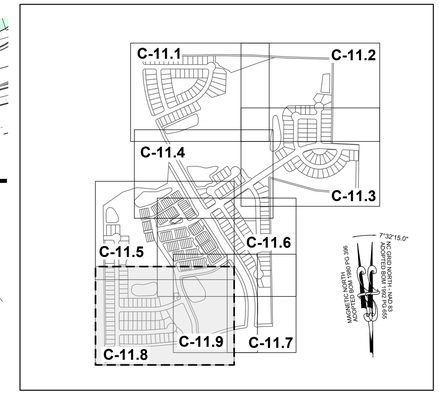
TOUTLOFF, KENNETH S. TOUTLOFF, BILLIE ANNE
PIN: 1757357764
DB 9236 PG 2229
LOT 3
BM 1990 PG 956
ZONING: R-30 (WC)
USE: SF

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

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

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

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



SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 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.

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

STRONGROCK
ENGINEERING GROUP

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

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

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

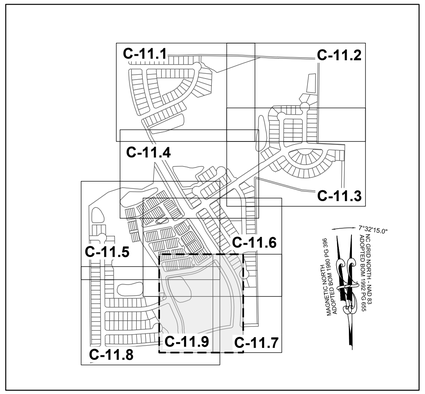
PARTIAL LIGHTING PLAN VIII

DRAWING SHEET

C-11.8

118 OF 133

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



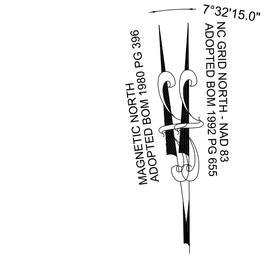
SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 FOR LEGEND.

TOWNHOME NOTES:

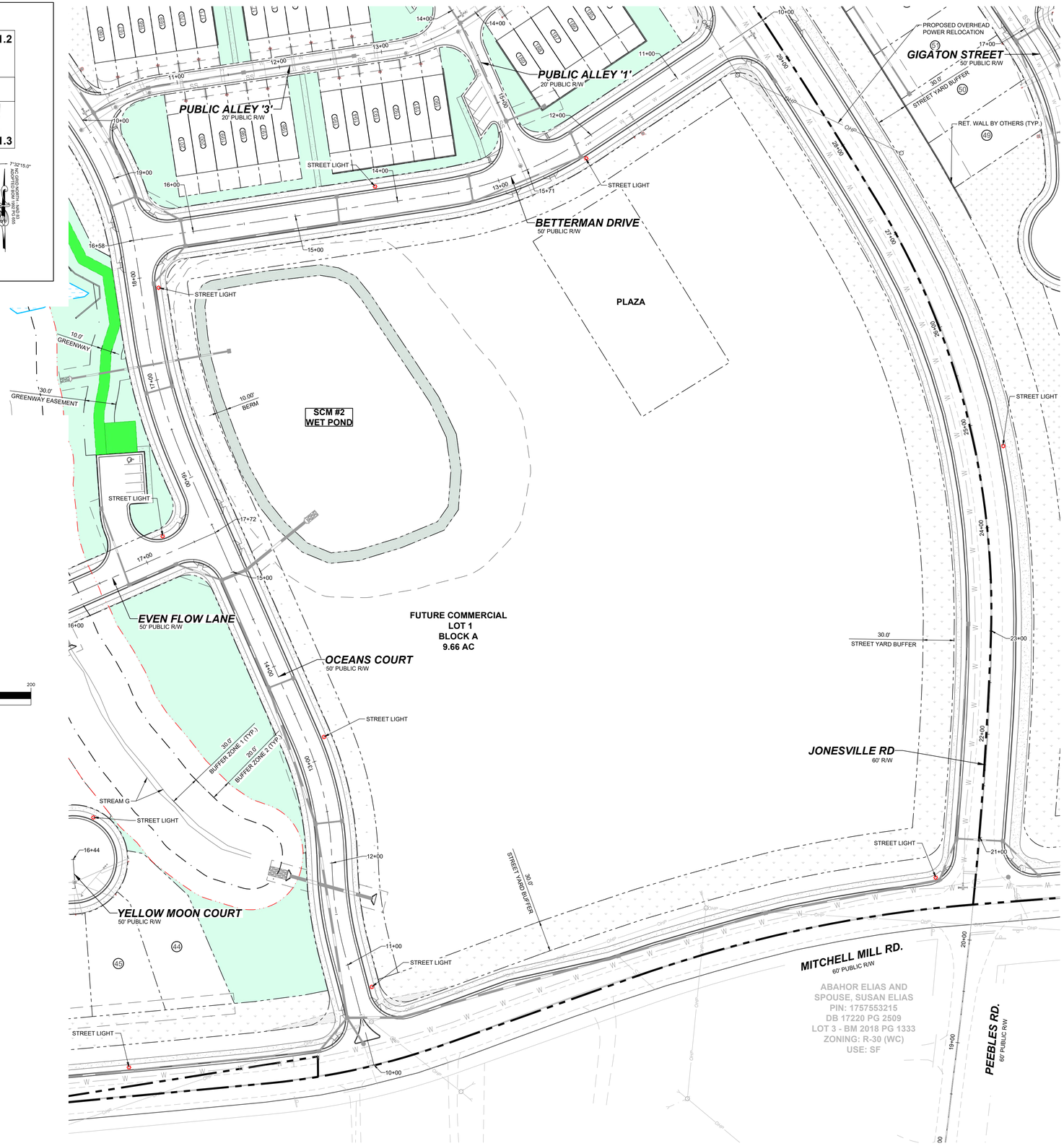
STATES INTERNAL TOWNHOME DRIVEWAYS ARE PRIVATE EASEMENTS AS PER CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
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STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

PARTIAL LIGHTING PLAN IX

DRAWING SHEET

C-11.9

NOTE:

THE CRITICAL ROOT ZONES (CRZ) SHALL REMAIN FREE OF ALL BUILDING MATERIALS, REFUSE, AND DEBRIS. SEE SHEET C-3.0 FOR ADJACENT PROPERTY DETAILS

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

SEAL

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

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

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

CONSTRUCTION PLANS

OVERALL PRESERVATION PLAN

DRAWING SHEET

C-12.0

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

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

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

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

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

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

ALICIA BROWN & CARL T. JONES
PIN: 1757582714
DB 16128 PG 183
ZONING: R-30 (WC)
USE: SF

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

HENRY ALSTON
PIN: 1757481376
DB 19248 PG 984
BM 1982 PG 721
ZONING: R-30 (WC)
USE: SF

KENNETH INVESTMENT LLC
PIN: 1757471559
DB 19248 PG 1884
LOT - BM 2007 PG 01224
ZONING: R-30 (WC)
USE: VA

PROPERTY LINE

GENERIC WOODEN PRIVACY FENCE 6' TALL

30.0' STREET YARD BUFFER

15.0' TYPE II PERIMETER BUFFER

SOUNDGARDEN COURT
50' PUBLIC R/W

FUTURE DAYS WAY
50' PUBLIC R/W

CORNELL GARDEN STREET
50' PUBLIC R/W

JONESVILLE RD
60' R/W

COMMUNITY GARDEN AMENITY

PLAYFIELD

SCM #6 WET POND

10.0' RECESS

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

FLOODZONE AE

FLOODWAY

20.0' BUFFER ZONE 2 (TYP.)

30.0' BUFFER ZONE 1 (TYP.)

STREAM A "HARRIS CREEK"

SWAMP/MARSH HARRIS CREEK

MATCH LINE
FOR CONTINUATION, SEE C-12.2

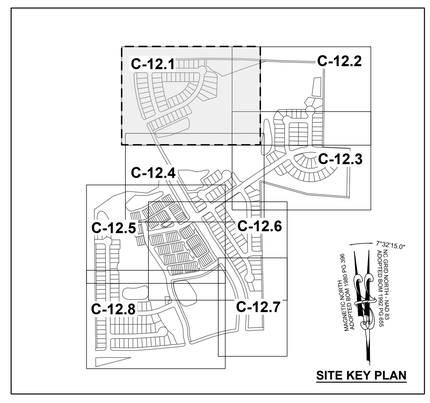
MATCH LINE
FOR CONTINUATION, SEE C-12.4

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

STRONG ROCK PROJECT P9P-23-03		DESIGNED BY	JWL
NOT FOR CONSTRUCTION		DRAWN BY	SRG
SCALE	AS SHOWN	CHECKED BY	JWL

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

DRAWING SHEET
C-12.1

PROGRESS PLOT DATE: 06/04/2024

RS RENTAL II LLC
PIN: 1757584724
DB 18703 PG 2414
BM 1981 PG 894
ZONING: R-30 (WC)
USE: SF

KAREN E. BASS
PIN: 1757586704
DB 12560 PG 1626
BM 1984 PG 943
ZONING: R-30 (WC)
USE: SF

JAMES K. WILLIAMS
PIN: 1757588784
DB 16784 PG 1013
BM 1989 PG 01474
ZONING: R-30 (WC)
USE: VA

GRO PEG PROPERTIES LLC
PIN: 1757684697
DB 18359 PG 1707
LOT 5 - BM 1980 PG 00396
ZONING: R-30 (WC)
USE: VA

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

KH-269, KH-268, KH-304, AJ-131, AJ-130, AJ-129, KH-271, KH-307, KH-306, KH-270, KH-305, KH-002

TYPE II PERIMETER BUFFER 15.0'

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

W1

100YR, WTLD

FLOODWAY

SWAMP/MARSH HARRIS CREEK

FLOODZONE AE

MATCH LINE
FOR CONTINUATION, SEE C-12.1

GENERIC WOODEN PRIVACY FENCE 6' TALL

PROPERTY LINE

STREAM B

SF/LD

KH-005

10.0' GREENWAY TRAIL

10.0' BERM

GENERIC WOODEN PRIVACY FENCE 6' TALL

15.0' TYPE II PERIMETER BUFFER

SCM #5 WET POND

KH-011, KH-012, KH-014, OAK 4"

FLOODWAY

20.0' BUFFER ZONE 2 (TYP.)

30.0' BUFFER ZONE 1 (TYP.)

STREAM A "HARRIS CREEK"

FLOOD ZONE AE

PARKOUR COURSE

30.0' GREENWAY EASEMENT

10.0' GREENWAY

SUPERSONIC WAY
50' PUBLIC R/W

LUKIN LANE
50' PUBLIC R/W

SUPERSONIC WAY
50' PUBLIC R/W

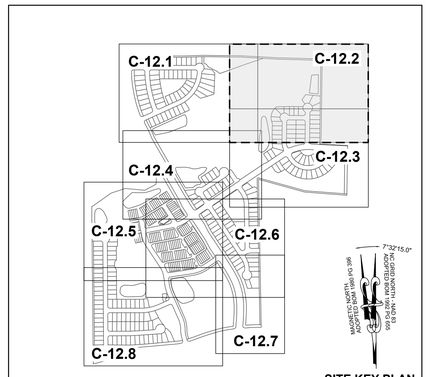
10.0' BERM

10.0' GREENWAY TRAIL

SCM #4 WET POND

MATCH LINE
FOR CONTINUATION, SEE C-12.3

AJ-003, AJ-006, AJ-007, AJ-008, AJ-009, AJ-012, AJ-013, AJ-014



SITE KEY PLAN

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-12.2

122 OF 133

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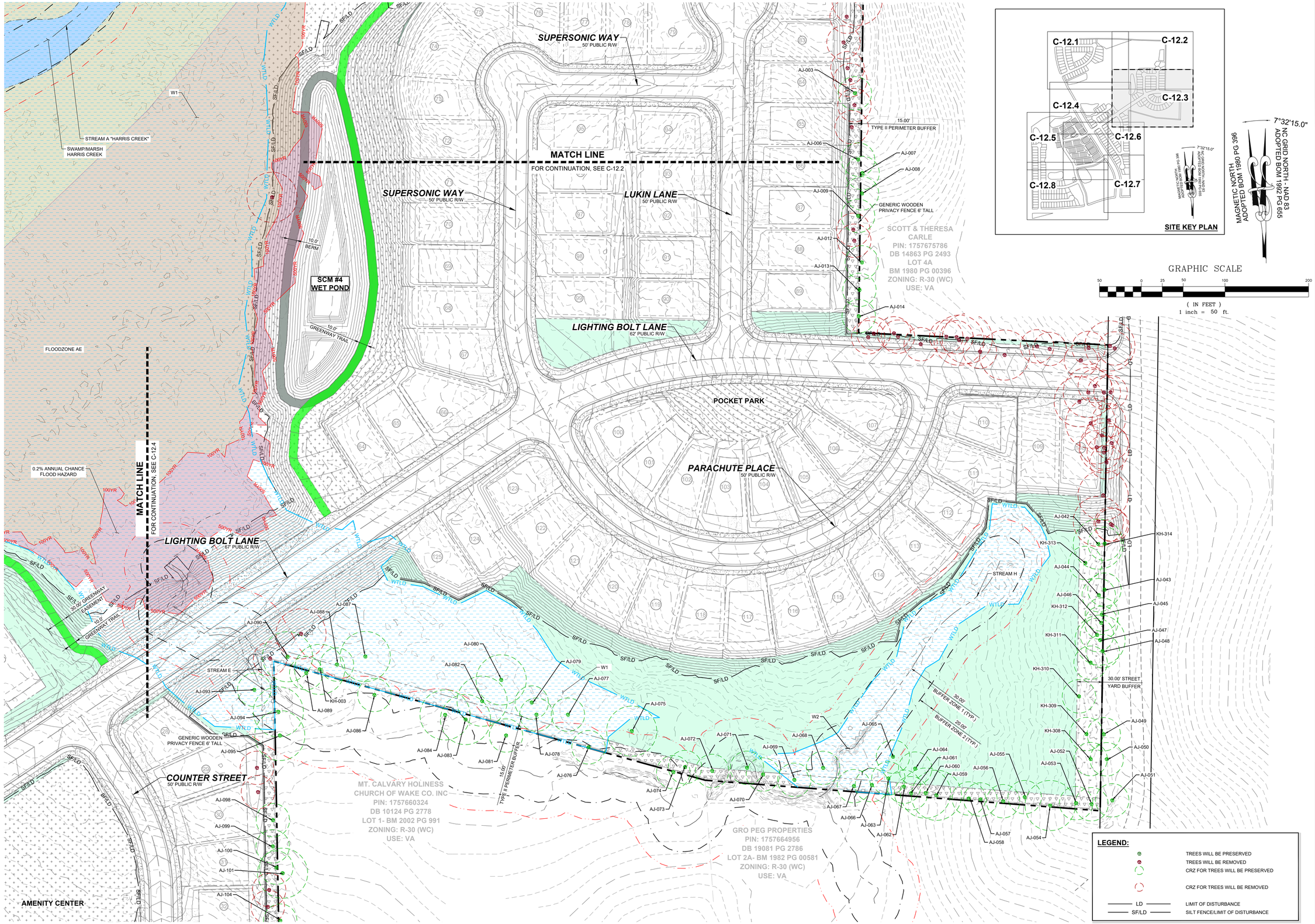

LEGEND:

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- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
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No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL
SEAL
036225
ENGINEER
JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
C-12.3

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

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

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

C-12.1 C-12.2 C-12.4 C-12.3 C-12.5 C-12.6 C-12.8 C-12.7

SITE KEY PLAN

MATCH LINE
FOR CONTINUATION, SEE C-12.1

STREAM A "HARRIS CREEK"
SWAMP/MARSH HARRIS CREEK
W1
W2
FLOODZONE AE
0.2% ANNUAL CHANCE FLOOD HAZARD
BUFFER ZONE 2 (TYP.) 200.0'
BUFFER ZONE 1 (TYP.) 30.0'
100YR
500YR
WTLD
SF/LD
LD
SS
OHP
10.0' BERM
SCM #3 WET POND
SCM #7 WET POND
10.0' GREENWAY TRAIL
30.00' STREET YARD BUFFER
34.00' GREENWAY EASEMENT
MEASURED MILE
JONESVILLE RD
60' R/W
PUBLIC ALLEY '4'
20' PUBLIC R/W
VEDDER LANE
50' PUBLIC R/W
MCCREADY COURT
50' PUBLIC R/W
UNPLUGGED AVENUE
50' PUBLIC R/W
LIGHTING BOLT LANE
62' PUBLIC R/W
LIGHTING BOLT LANE
67' PUBLIC R/W
COUNTER STREET
50' PUBLIC R/W
AMENITY CENTER
15.00' TYPE II PERIMETER BUFFER
GENERIC WOODEN PRIVACY FENCE 6' TALL
STREAM E
AJ-090
AJ-093
AJ-094
AJ-095
AJ-098
AJ-099
AJ-100
AJ-101
AJ-104
AJ-107
AJ-109

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NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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SCALE	AS SHOWN
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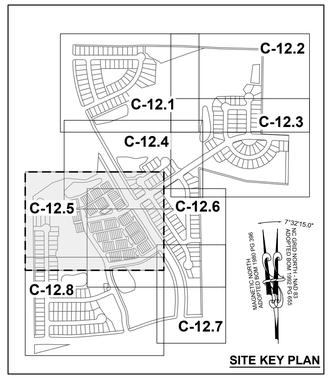
CHECKED BY	JWL

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

DRAWING SHEET
C-12.4



SITE KEY PLAN

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

MATCH LINE
FOR CONTINUATION, SEE C-12.4

MEASURED MILE

SCM #7
WET POND

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

10.00'
GREENWAY TRAIL

10.00'
BERM

UNPLUGGED AVENUE
50' PUBLIC R/W

PUBLIC ALLEY '4'
20' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

JONESVILLE RD
60' R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

30.09'
STREET YARD BUFFER

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

SCM #8
WET POND

10' BOARDWALK

STREAM I

STREAM G

W3

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

PENDULUM STREET
50' PUBLIC R/W

BASKETBALL & EXERCIZE

STREAM

W4

15.00'
TYPE II PERIMETER BUFFER

GENERIC WOODEN
PRIVACY FENCE 6' TALL

BUFFER ZONE 1 (TYP.)
30.0'

BUFFER ZONE 2 (TYP.)
20.0'

EXISTING DRY
POND

STREAM G

10.00'
GREENWAY

W6

MATCH LINE
FOR CONTINUATION, SEE C-12.8

OCEANS COURT
50' PUBLIC R/W

POCKET PARK I

PUBLIC ALLEY '3'
20' PUBLIC R/W

PUBLIC ALLEY '1'
20' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-12.8

BETTERMAN DRIVE
50' PUBLIC R/W

20.0'
NC EASEMENT

7°32'15.0"
NC GRID NORTH
ADOPTED BOM 1980 PG 396
MAGNETIC NORTH
ADOPTED BOM 1990 PG 655

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

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No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT
SEAL

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

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

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

DRAWING SHEET
C-12.5

125 OF 133

PUBLIC ALLEY '4'
20' PUBLIC R/W

LIGHTING BOLT LANE
62' PUBLIC R/W

VEDDER LANE
50' PUBLIC R/W

GIGATON STREET
50' PUBLIC R/W

AMENITY CENTER

MATCH LINE
FOR CONTINUATION, SEE C-12.3

POCKET PARK II

MCCREADY COURT
50' PUBLIC R/W

PUBLIC ALLEY '2'
20' PUBLIC R/W

JONESVILLE RD
60' R/W

COUNTER STREET
50' PUBLIC R/W

30.00'
STREET YARD BUFFER

OCEANS COURT
50' PUBLIC R/W

POCKET PARK I

PUBLIC ALLEY '3'
20' PUBLIC R/W

PUBLIC ALLEY '1'
20' PUBLIC R/W

MONKEYWRENCH STREET
50' PUBLIC R/W

MATCH LINE
FOR CONTINUATION, SEE C-12.5

MATCH LINE
FOR CONTINUATION, SEE C-12.7

STREAM G

10.00'
GREENWAY

MATCH LINE
FOR CONTINUATION, SEE C-12.8

BETTERMAN DRIVE
50' PUBLIC R/W

20.00'
NC EASEMENT

20.00'
BUFFER ZONE 2 (TYP.)

30.00'
BUFFER ZONE 1 (TYP.)

10.00'
BERM

SCM #2
WET POND

FUTURE COMMERCIAL
LOT 1
BLOCK A

15.00'
TYPE II PERIMETER BUFFER

GENERIC WOODEN
PRIVACY FENCE 6' TALL

AJ-099
AJ-100
AJ-101
AJ-104
AJ-107
AJ-109
AJ-110
AJ-111
AJ-112
AJ-114
AJ-116
AJ-117B

KH-251
KH-239
KH-235
KH-234
KH-233
KH-232
KH-203
KH-202
KH-051
KH-050
KH-049
KH-046
KH-044
KH-043
KH-042
KH-041
KH-040

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE

SITE KEY PLAN

C-12.1 | C-12.2 | C-12.3 | C-12.4 | C-12.5 | C-12.6 | C-12.7 | C-12.8

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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NORTH CAROLINA PROFESSIONAL
SEAL 036225 ENGINEER
JOSHUA W. LAMBERT

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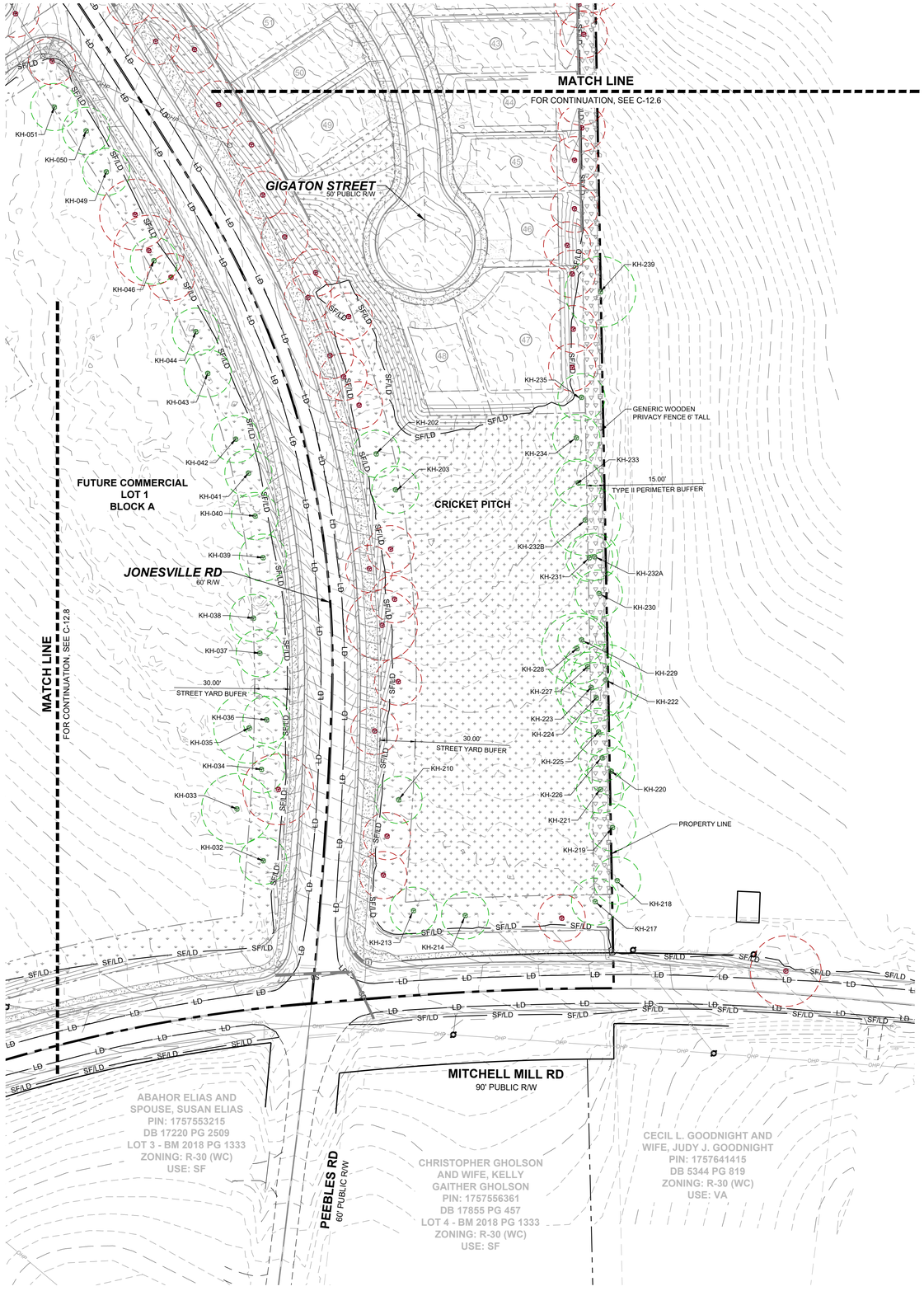
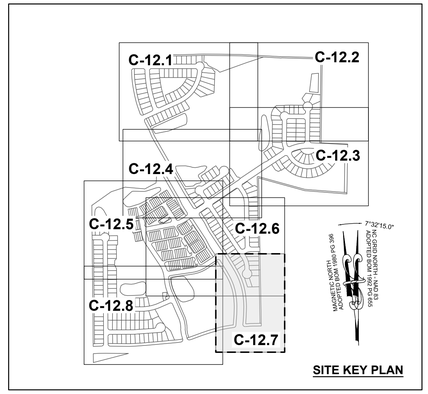
RESERVE @ MITCHELL MILL
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRESERVATION PLAN VI

DRAWING SHEET
C-12.6

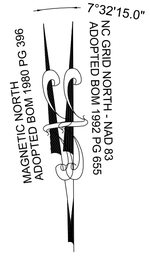




SITE KEY PLAN

LEGEND:

- TREES WILL BE PRESERVED
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE



GRAPHIC SCALE

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CONSTRUCTION PLANS

PRESERVATION PLAN VII

DRAWING SHEET

C-12.7

MATCH LINE
FOR CONTINUATION, SEE C-12.5

BETTERMAN DRIVE
50' PUBLIC R/W

SCM #1
WET POND

SCM #2
WET POND

10.0' BERM

10.0' GREENWAY

TRAIL HEAD

EVEN FLOW LANE
50' PUBLIC R/W

OCEANS COURT
50' PUBLIC R/W

PENDULUM STREET
50' PUBLIC R/W

GENERIC WOODEN PRIVACY FENCE 6' TALL

KH-096
KH-095
KH-094
KH-092

15.00'
TYPE II PERIMETER BUFFER

YELLOW MOON COURT
50' PUBLIC R/W

STREET YARD BUFFER 30.00'

STREAM G

20.00' BUFFER ZONE 1 (TYP)

30.0' BUFFER ZONE 1 (TYP)

FUTURE COMMERCIAL
LOT 1
BLOCK A

MATCH LINE
FOR CONTINUATION, SEE C-12.7

MITCHELL MILL RD
60' PUBLIC R/W

LEGEND:

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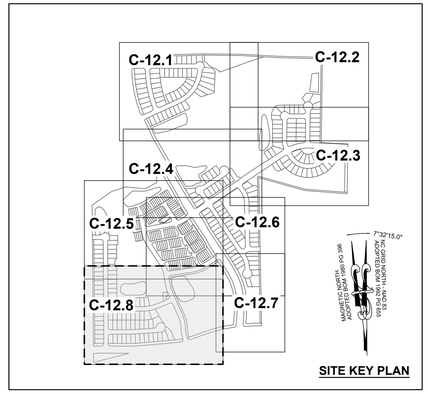
- TREES WILL BE REMOVED
- CRZ FOR TREES WILL BE PRESERVED
- CRZ FOR TREES WILL BE REMOVED
- LD — LIMIT OF DISTURBANCE
- SF/LD — SILT FENCE/LIMIT OF DISTURBANCE



SITE KEY PLAN

7°32'15.0"
NC GRID NORTH - NAD 83
ADOPTED BOM 1992 PG 655
MAGNETIC NORTH
ADOPTED BOM 1990 PG 396

GRAPHIC SCALE

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(IN FEET)
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TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA
CONSTRUCTION PLANS
PRESERVATION PLAN VIII

DRAWING SHEET
C-12.8

TREE INVENTORY SPECIES LIST	
ACRU	ACER RUBRUM
CACA	CARPINUS CAROLINIANA
CATO	CARYA TOMENTOSA
COFL	CORNUS FLORIDA
DIVI	DIOSPYROS VIRGINIANA
FRPE	FRAXINUS PENNSYLVANICA
ILOP	ILEX OPACA
JUVI	JUNIPERUS VIRGINIANA
LISI	LIGUSTRUM SINENSE
LIST	LIQUIDAMBAR STYRACIFLUA
LITU	LIRIODENDRON TULIPIFERA
MORU	MORUS RUBRA
NYSY	NYSSA SYLVATICA
OXAR	OXYDENDRUM ARBOREUM
PITA	PINUS TAEDA
PLOC	PLATANUS OCCIDENTALIS
PLOR	PLATYCLADUS ORIENTALIS
PRSE	PRUNUS SEROTINA
QUAL	QUERCUS ALBA
QUFA	QUERCUS FALCATA
QUNI	QUERCUS NIGRA
QUPA	QUERCUS PAGODA
QUPH	QUERCUS PHELLOS
QURU	QUERCUS RUBRA
QUST	QUERCUS STELLATA
QUVE	QUERCUS VELUTINA
ULAL	ULMUS ALATA
ULRU	ULMUS RUBRA

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
AJ-003	QUAL	10"	GOOD
AJ-006	QURU	10"	GOOD
AJ-007	QURU	8"	GOOD
AJ-008	LIST	18"	GOOD
AJ-009	QUAL	6"	GOOD
AJ-012	QUAL	12"	GOOD
AJ-013	CATO	6"	GOOD
AJ-014	ACRU	14"	GOOD
AJ-042	LITU	22"	GOOD
AJ-043	LITU	18"	GOOD
AJ-044	PRSE	19"	FAIR
AJ-045	LITU	19"	GOOD
AJ-046	LITU	17"	GOOD
AJ-047	QUVE	31"	GOOD
AJ-048	LIST	6"	FAIR
AJ-049	QUNI	17"	GOOD
AJ-050	QUAL	12"	GOOD
AJ-051	QUAL	12"	GOOD
AJ-052	QURU	12"	GOOD
AJ-053	QUAL	4"	GOOD
AJ-054	QUAL	32"	GOOD
AJ-055	OXAR	6"	GOOD
AJ-056	QURU	19"	GOOD
AJ-057	QUAL	13"	GOOD
AJ-058	LITU	17"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
AJ-059	LITU	24"	GOOD
AJ-060	QURU	32"	GOOD
AJ-061	ILOP	6"	GOOD
AJ-123	PITA	23"	GOOD
AJ-124	PITA	25"	GOOD
AJ-125	PRSE	6"	GOOD
AJ-126	QUNI	7"	GOOD
AJ-127	QUNI	7"	GOOD
AJ-128	PITA	20"	GOOD
AJ-129	PITA	20"	GOOD
AJ-130	LITU	21"	GOOD
AJ-131	ULRU	8"	GOOD
AJ-062	QURU	20"	GOOD
AJ-063	LITU	12"	GOOD
AJ-064	QURU	19"	GOOD
AJ-065	LITU	16"	GOOD
AJ-066	OXAF	14"	GOOD
AJ-067	ACRU	4"	GOOD
AJ-068	ACRU	5"	GOOD
AJ-069	ACRU	10"	GOOD
AJ-070	ACRU	6"	GOOD
AJ-071	ACRU	6"	GOOD
AJ-072	PRSE	9"	GOOD
AJ-073	DIVI	3"	GOOD
AJ-074	LITU	8"	FAIR

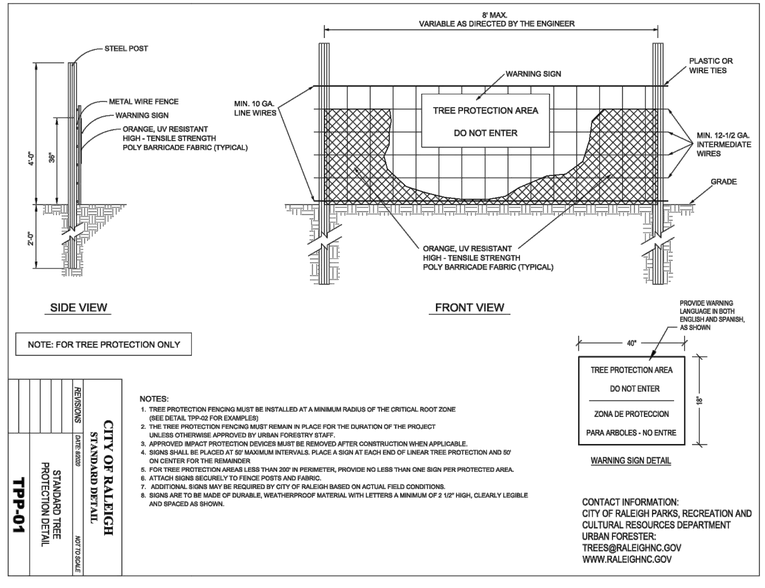
TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-303	NYSY	4"	GOOD
KH-304	ILOP	6/4"	GOOD
KH-305	QUNI	19"	GOOD
KH-306	QUFA	19"	GOOD
KH-307	QURU	19"	GOOD
KH-308	QUPH	10"	GOOD
KH-309	LIST	5"	GOOD
KH-310	QUNI	17"	FAIR
KH-311	QURU	6"	GOOD
KH-312	LITU	15"	GOOD
KH-313	LITU	14"	GOOD
KH-314	ACRU	14"	GOOD
KH-295	QUNI	7"	GOOD
KH-003	ACRU	31"	GOOD
KH-217	PITA	14"	GOOD
KH-218	ULRU	11"	GOOD
KH-219	QUNI	4"	GOOD
KH-220	ULRU	15"	GOOD
KH-221	JUVI	5"	GOOD
KH-222	QUFA	56"	GOOD
KH-223	QUFA	22"	GOOD
KH-224	QUFA	25"	GOOD
KH-225	ULRU	10"	GOOD
KH-226	CATO	6"	GOOD
KH-227	QURU	11"	GOOD
KH-228	PITA	22"	GOOD
KH-229	QURU	13"	GOOD
KH-230	QUAL	16"	GOOD
KH-231	QURU	17"	FAIR
KH-232A	QURU	18"	GOOD
KH-232B	QURU	20/11"	GOOD
KH-233	QURU	10"	GOOD
KH-234	QURU	10/7/7/7/7/7"	FAIR
KH-235	QURU	8"	GOOD
KH-239	PITA	26"	GOOD
KH-251	LITU	31/12"	GOOD
N/A	OAK	4"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-049	QUNI	5"	GOOD
KH-050	QUNI	5"	GOOD
KH-051	QURU	6"	GOOD
KH-092	QUNI	19"	GOOD
KH-094	JUVI	7"	GOOD
KH-095	PRSE	14/16"	GOOD
KH-096	PRSE	25"	GOOD
KH-149	ULRU	7"	GOOD
KH-151	ULRU	9"	GOOD
KH-154	MORU	10"	FAIR
KH-155	ULRU	13"	GOOD
KH-156	PITA	31"	GOOD
KH-157	PRSE	9"	GOOD
KH-158	QURU	37"	EXCELLENT
KH-159	LIST	6"	GOOD
KH-160	LITU	34"	GOOD
KH-163	QUAL	24"	GOOD
KH-164	QURU	23"	GOOD
KH-165	ILOP	8/9"	GOOD
KH-167	QUAL	21"	GOOD
KH-169	QUAL	22"	GOOD
KH-170	QURM	23"	GOOD
KH-171	PITA	21"	GOOD
KH-172	PITA	24"	GOOD
KH-173	LIST	9/8"	FAIR

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
KH-202	QUNI	7"	GOOD
KH-203	QUAL	9"	GOOD
KH-210	PITA	13"	GOOD
KH-213	PITA	16"	GOOD
KH-214	PITA	10"	GOOD
KH-260	LIST	16"	GOOD
KH-261	LITU	22"	GOOD
KH-262	LIST	9"	GOOD
KH-263	QURU	17"	GOOD
KH-264	QUAL	8"	GOOD
KH-265	PITA	16"	GOOD
KH-266	QURU	14"	GOOD
KH-267	QUAL	11"	GOOD
KH-268	QUAL	12"	GOOD
KH-269	PITA	15"	GOOD
KH-270	PITA	15"	GOOD
KH-271	QURU	8"	GOOD
KH-282	PITA	25"	GOOD
KH-283	QUAL	16"	GOOD
KH-297	QUNI	5"	GOOD
KH-298	QUNI	3"	GOOD
KH-299	QUNI	5"	FAIR
KH-300	NYSY	5"	GOOD
KH-301	ILOP	5"	GOOD
KH-302	PITA	14"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
AJ-075	ACRU	21"	GOOD
AJ-076	LITU	13"	GOOD
AJ-077	LIST	13"	GOOD
AJ-078	LIST	4"	GOOD
AJ-079	LITU	18"	POOR
AJ-080	LITU	25"	GOOD
AJ-081	PRSE	9"	GOOD
AJ-082	LITU	22"	GOOD
AJ-083	LITU	21"	GOOD
AJ-084	PLOC	41"	GOOD
AJ-086	ACRU	9"	GOOD
AJ-087	LITU	30"	GOOD
AJ-088	LIST	4"	GOOD
AJ-089	ACRU	18"	GOOD
AJ-090	ACRU	30"	GOOD
AJ-093	LIST	9"	GOOD
AJ-094	FRPE	22"	GOOD
AJ-095	LIST	21"	GOOD
AJ-098	PRSE	8"	GOOD
AJ-099	QUNI	4"	GOOD
AJ-100	ILOP	4"	GOOD
AJ-101	QUST	29"	POOR
AJ-104	QURU	19"	GOOD
AJ-107	QURU	28"	GOOD
AJ-109	QUST	18"	GOOD

TREE CODE	BOTANICAL NAME	DBH	CONDITION OVERALL
AJ-110	PRSE	6"	GOOD
AJ-111	LIST	14"	GOOD
AJ-112	PITA	21"	GOOD
AJ-114	PITA	28"	GOOD
AJ-116	QUST	20"	GOOD
AJ-117B	CACA	7"	GOOD
KH-002	PITA	30"	GOOD
KH-005	QUAL	7"	GOOD
KH-011	CATO	6"	GOOD
KH-012	QUAL	21"	GOOD
KH-014	QUAL	20"	GOOD
KH-032	DIVI	18"	GOOD
KH-033	PITA	25"	EXCELLENT
KH-034	PITA	18"	EXCELLENT
KH-035	PITA	29"	GOOD
KH-036	LIST	8"	GOOD
KH-037	ULRU	14"	GOOD
KH-038	PITA	17"	GOOD
KH-039	PLNT	13"	GOOD
KH-040	PITA	16"	GOOD
KH-041	PLNT	6"	GOOD
KH-042	PITA	18"	GOOD
KH-043	ULRU	6"	GOOD
KH-044	QUNI	5"	FAIR
KH-046	QUNI	6"	GOOD



NOTES:
1. TREE PROTECTION FENCING MUST BE INSTALLED AT A MINIMUM RADIUS OF THE CRITICAL ROOT ZONE (SEE DETAIL TPP-02 FOR EXAMPLES)
2. THE TREE PROTECTION FENCING MUST REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE APPROVED BY URBAN FORESTRY STAFF.
3. APPROVED IMPACT PROTECTION DEVICES MUST BE REMOVED AFTER CONSTRUCTION WHEN APPLICABLE.
4. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER FOR THE REMAINDER
5. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTED AREA.
6. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
7. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF RALEIGH BASED ON ACTUAL FIELD CONDITIONS.
8. SIGNS ARE TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL WITH LETTERS A MINIMUM OF 2 1/2" HIGH, CLEARLY LEGIBLE AND SPACED AS SHOWN.

CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT
URBAN FORESTER:
TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

CITY OF RALEIGH STANDARD DETAIL
STANDARD TREE PROTECTION DETAIL
TPP-01
REVISIONS | DATE | BY

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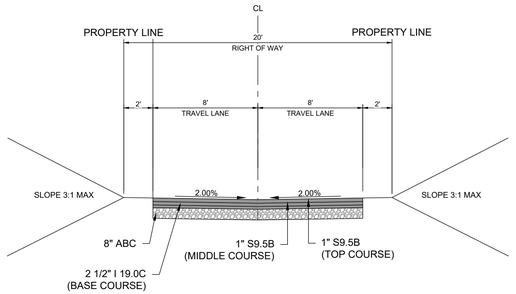
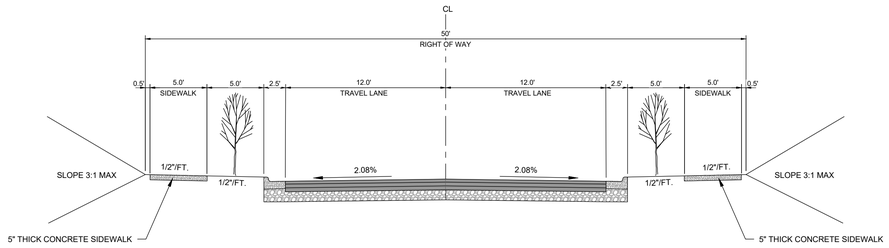
PRESERVATION PLAN TABLES

DRAWING SHEET
C-12.9

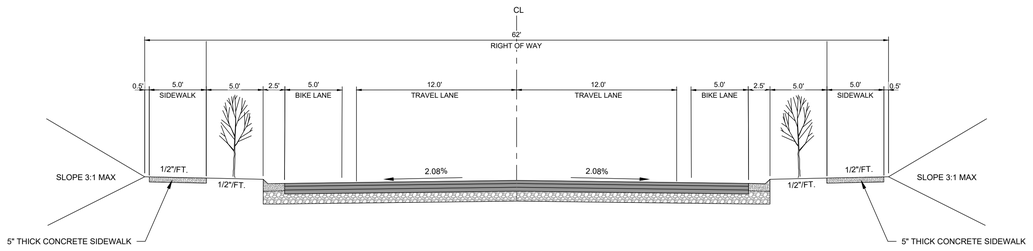
129 OF 133



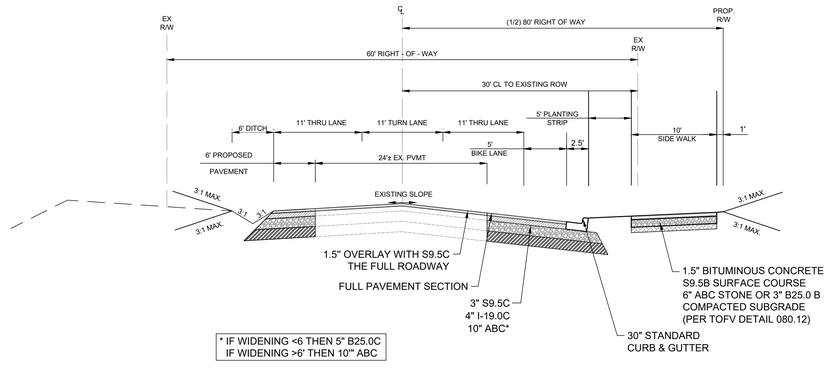
1 / D-1.0 **ALLEY CROSS SECTION - 20' ROW**
SCALE: NTS



2 / D-1.0 **TYPICAL CROSS SECTION - 50' ROW**
SCALE: NTS



3 / D-1.0 **TYPICAL CROSS SECTION - 62' ROW**
SCALE: NTS



4 / D-1.0 **JONESVILLE RD ROADWAY IMPROVEMENTS**
SCALE: NTS

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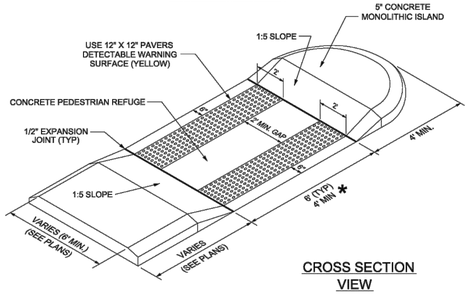
STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

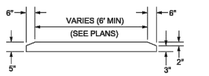
SITE DETAILS

DRAWING SHEET
D-1.0

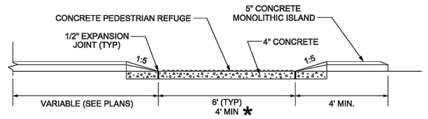
ISOMETRIC VIEW



CROSS SECTION VIEW



* 10'-0" MIN AT SHARED PEDESTRIAN AND BICYCLE CROSSINGS (TYP)

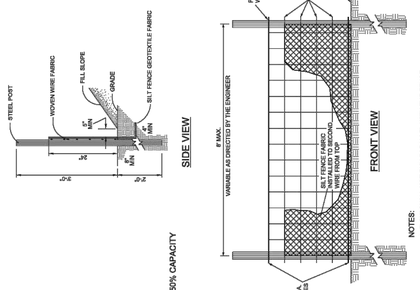


PROFILE VIEW

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
DATE: 12/2022		PEDESTRIAN REFUGE

T-20.03



MAINTENANCE: CLEAN OUT AT 50% CAPACITY
LIFE OF FENCING: 6-9 MONTHS

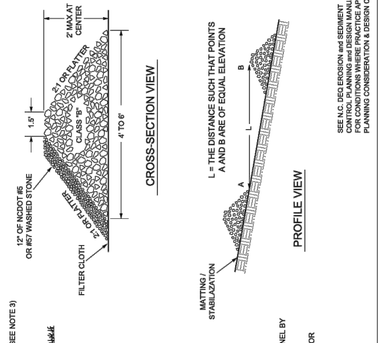
NOTES:
1. FLOW SHALL NOT RUN PARALLEL WITH THE FENCE.
2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION SPECIFICATIONS, WHERE PRACTICE APPLIES AND PLANNING CONSIDERATION.
4. SILT FENCE SHOULD NOT BE USED ALONE BELOW GRADED SLOPES GREATER THAN 10' IN HEIGHT.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		STANDARD TEMPORARY (SEDIMENT/SILT) FENCE

SW-20.01

NOTES:
1. ENSURE THAT CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO EXCESSIVE EROSION OR SCOUR DURING FLOW.
2. THE DRAINAGE AREA IS LIMITED TO ONE HALF ACRE.
3. KEY THE STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 1.5 FEET TO AVOID WASHOUT FROM OVERFLOW AROUND THE DAM.



PURPOSE: TO REDUCE EROSION IN A CHANNEL BY REDUCING THE VELOCITY OF FLOW.

DO NOT USE CHECK DAM IN INTERMITTENT OR PERENNIAL STREAMS.

MAINTENANCE:
CLEAN OUT SEDIMENT AND DEBRIS AND REPAIR WASH OUTS.

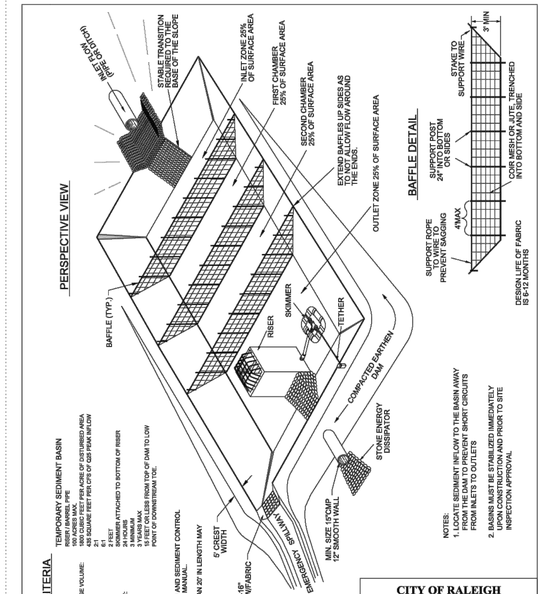
SEE N.C. DEQ EROSION and SEDIMENT CONTROL PLANNING and DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		CHECK DAM

SW-20.08

PERSPECTIVE VIEW



BAFFLE DETAIL

DESIGN CRITERIA

SUMMARY:
TEMPORARY SEDIMENT BASIN
RISER: BARREL: PIPE
SKIMMER: FLOW RATE:
MINIMUM SEDIMENT STORAGE VOLUME:
MINIMUM SURFACE AREA:
MINIMUM L:W RATIO:
MINIMUM FLOW PATH:
MINIMUM DEPTH:
MAXIMUM SIDE SLOPE/RUN:
MINIMUM DOWNTIMING TIME:
BAFFLE SPACING:
DESIGN LIFE:
DAM HEIGHT:

SEE NC DENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

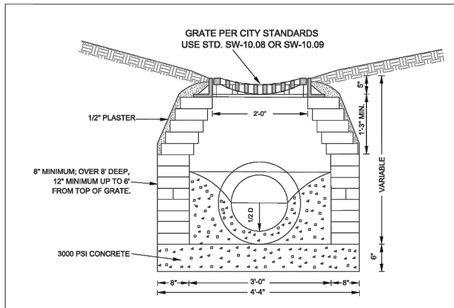
NOTE: BASINS LESS THAN 20' IN LENGTH MAY USE 2 BAFFLES.

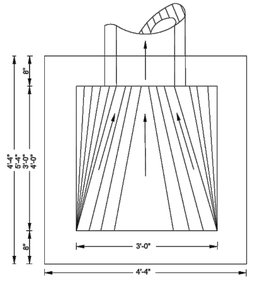
NOTES:
1. LOCATE SEDIMENT INFLOW TO THE BASIN AWAY FROM THE DAM TO PREVENT SHORT CIRCUITS FROM INLETS TO OUTLETS
2. BASINS MUST BE STABILIZED IMMEDIATELY FOLLOWING CONSTRUCTION AND PRIOR TO SITE INSPECTION APPROVAL

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		SEDIMENT BASIN

SW-20.20



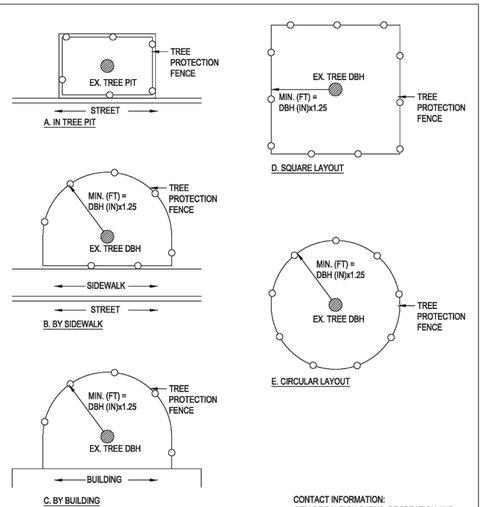


NOTES:
1. FOR 24" RCP & LARGER USE PIPE DIAMETER PLUS 12" FOR MINIMUM INSIDE DIMENSION.
2. 24" X 24" CASTING WITH 12", 15" & 18" PIPE, 24" X 36" CASTING USED WITH 24" PIPE OR LARGER. IF PLACED WITHIN PUBLIC R/W CASTING MUST BE TRAFFIC BEARING TYPE PER NCDOT STANDARDS.
3. USE 4" X 4" X 8" OR 4" X 8" X 16" SOLID CONCRETE BLOCK. CAST IN PLACE OR PRECAST CONCRETE TO MEET N.C.D.O.T. STANDARDS ACCEPTABLE.
4. STEPS SHALL BE INSTALLED IN ALL DROP INLETS OVER 3' IN DEPTH. DEPTH SHALL BE MEASURED FROM THE TOP OF GRATE TO THE INVERT OF THE DROP INLET.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		STANDARD DROP INLET

SW-10.03



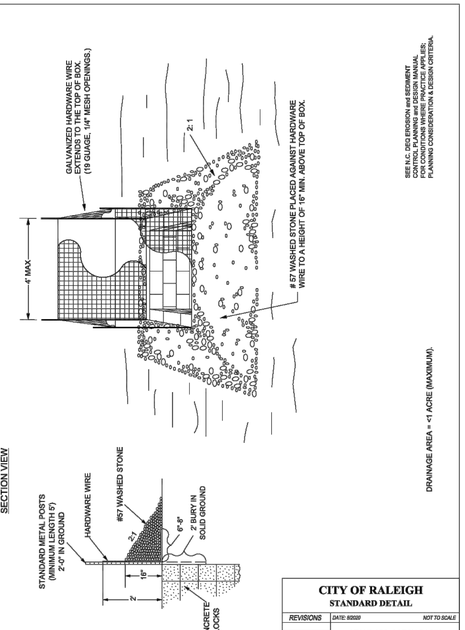
NOTES:
1. CONTRACTOR MUST PROVIDE AND INSTALL TREE PROTECTION SIGNAGE.
2. A TREE IMPACT PERMIT IS REQUIRED PRIOR TO INITIATION OF CONSTRUCTION IF ANY TREES ON CITY PROPERTY ARE TO BE IMPACTED BY PRUNING, TRENCHING, BORING, REMOVAL, PAVING, PLANTING, ETC.

CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT
URBAN FORESTER: TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		TREE PROTECTION FENCE LAYOUT

TPP-02



DRAINAGE AREA = <1 ACRE (MAXIMUM).

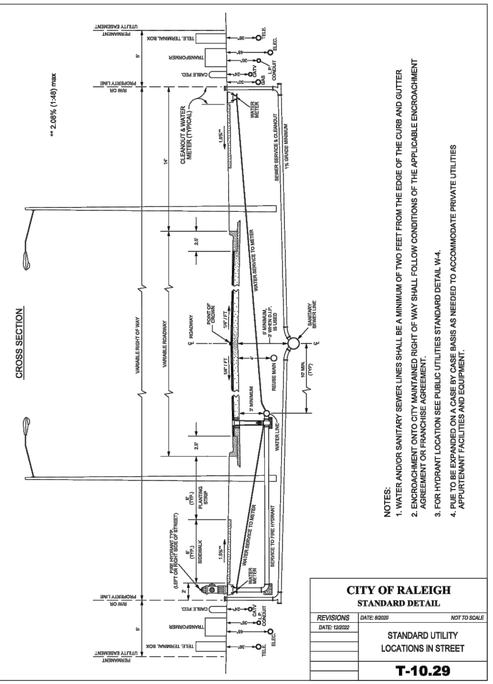
SEE N.C. DEQ EROSION and SEDIMENT CONTROL PLANNING and DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
		STANDARD CATCH BASIN YARD INLET PROTECTION

SW-20.15

CROSS SECTION



NOTES:
1. WATER AND/OR SANITARY SEWER LINES SHALL BE A MINIMUM OF TWO FEET FROM THE EDGE OF THE CURB AND GUTTER
2. ENCROACHMENT ONTO CITY MAINTAINED RIGHT OF WAY SHALL FOLLOW CONDITIONS OF THE APPLICABLE ENCROACHMENT AGREEMENT OR FRANCHISE AGREEMENT.
3. FOR HYDRANT LOCATION SEE PUBLIC UTILITIES STANDARD DETAIL W-4.
4. PUE TO BE EXPANDED ON A CASE BY CASE BASIS AS NEEDED TO ACCOMMODATE PRIVATE UTILITIES APPURTENANT FACILITIES AND EQUIPMENT.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
DATE: 12/2022		STANDARD UTILITY LOCATIONS IN STREET

T-10.29

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No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. L AMBERT

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

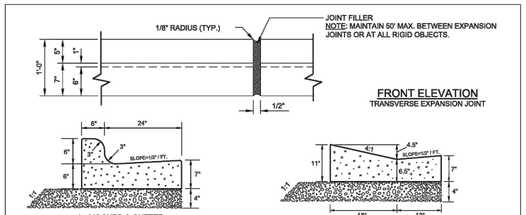
STRONG ROCK PROJECT	PSP-23-03
	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

SITE DETAILS

DRAWING SHEET
D-1.1

131 OF 133

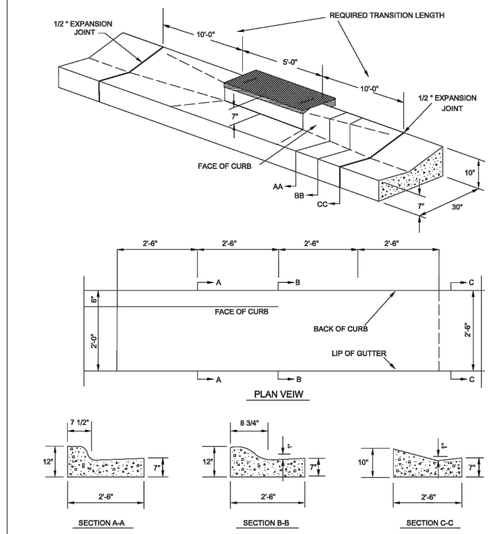


NOTES:
1. 10' MAXIMUM BETWEEN DUMMY JOINTS. 15' MAXIMUM BETWEEN DUMMY JOINTS ON MACHINE POURS.
2. 1/2" EXPANSION JOINT EVERY 50'.
3. 3000 PSI CONCRETE MINIMUM, 4" SLUMP MAXIMUM.
4. LIQUID MEMBRANE CURING COMPOUND SHALL MEET THE REQUIREMENTS OF SECTION 1026-2 OF NCDOT STANDARDS & SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. ALL CONSTRUCTION JOINTS SHALL BE FILLED WITH JOINT FILLER AND SEALER IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DETAIL 846.01 THE JOINT MATERIAL SHALL CONFORM TO SECTION 1028-2 OF NCDOT STANDARD & SPECIFICATIONS FOR ROADS AND STRUCTURES.
6. REFER TO NCDOT DETAIL 846.01 FOR CURB AND GUTTER SUPERELEVATION RATES.

SHEET 1 OF 2

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
	CURB AND GUTTER	
	T-10.26.1	

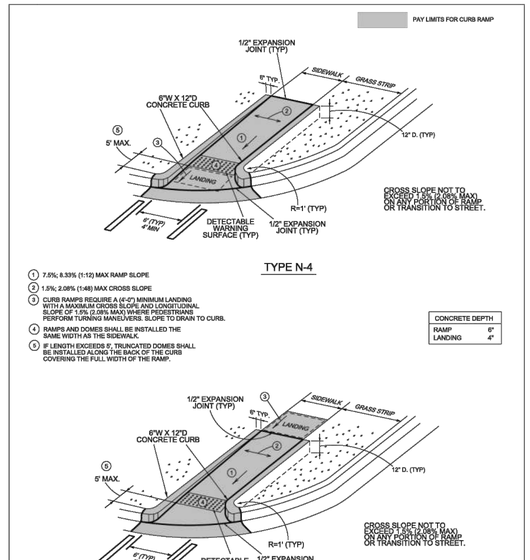


NOTES:
TRANSITION NOT TO BE LOCATED WITHIN THE CURB RADIUS.

SHEET 2 OF 2

CITY OF RALEIGH
STANDARD DETAIL

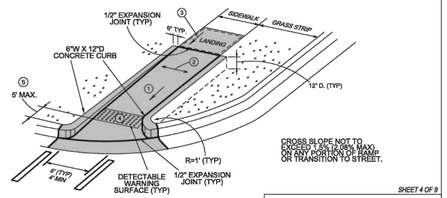
REVISIONS	DATE: 8/2020	NOT TO SCALE
	CURB TRANSITION TO 2'- 6" VALLEY GUTTER	
	T-10.26.2	



TYPE N-4

1. 7.5%; 8.33% (1:12) MAX RAMP SLOPE
2. 1.5%; 2.08% (1:48) MAX CROSS SLOPE
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 1.5% (2.08% MAX) WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.
4. RAMPS AND DOMES SHALL BE INSTALLED THE SAME WIDTH AS THE SIDEWALK.
5. IF LENGTH EXCEEDS 5', TRUNCATED DOMES SHALL BE INSTALLED ALONG THE BACK OF THE CURB COVERING THE FULL WIDTH OF THE RAMP.

CONCRETE DEPTH	
RAMP	6"
LANDING	4"

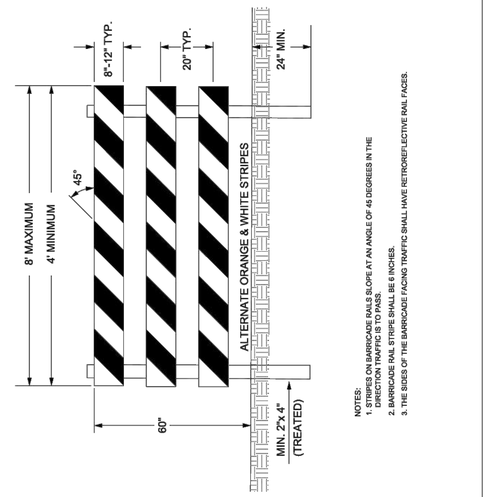


TYPE N-4A

SHEET 4 OF 9

CITY OF RALEIGH
STANDARD DETAIL

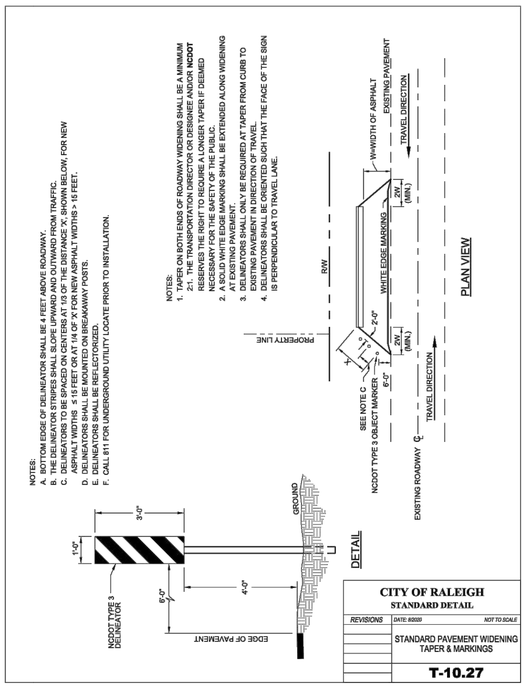
REVISIONS	DATE: 8/2020	NOT TO SCALE
DATE: 12/2022	CURB RAMPS (NEW DEVELOPMENT)	
	T-20.01.4	



NOTES:
1. STRIPES ON BARRICADE RAILS SLOPE AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
2. BARRICADE RAIL STRIPE SHALL BE 6 INCHES.
3. THE SIDES OF THE BARRICADE FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
	STANDARD TEMPORARY BARRICADE	
	SW-20.17	

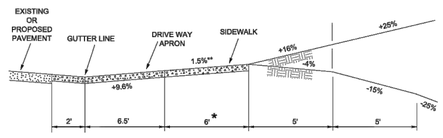


NOTES:
A. BOTTOM EDGE OF DELINEATOR SHALL BE 4 FEET ABOVE ROADWAY.
B. THE DELINEATOR STRIPES SHALL SLOPE UPWARD AND OUTWARD FROM TRAFFIC.
C. DELINEATORS SHALL BE PLACED ON THE RIGHT SHOULDER AS SHOWN BELOW, FOR NEW ASPHALT WIDTHS ≤ 15 FEET OR AT 1/4 OF 'X' FOR NEW ASPHALT WIDTHS > 15 FEET.
D. DELINEATORS SHALL BE MOUNTED ON BREAKAWAY POSTS.
E. DELINEATORS SHALL BE RETROREFLECTORIZED.
F. CALL 811 FOR UNDERGROUND UTILITY LOCATE PRIOR TO INSTALLATION.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
	STANDARD PAVEMENT WIDENING TAPER & MARKINGS	
	T-10.27	

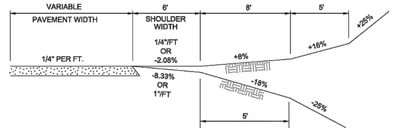
DRIVEWAY GRADES



★ 5' FOR SENSITIVE AREA AVENUE AND SENSITIVE AREA RESIDENTIAL STREET

★★ 2.08% (1:48) max

A. CURB & GUTTER , SIDEWALK SECTION

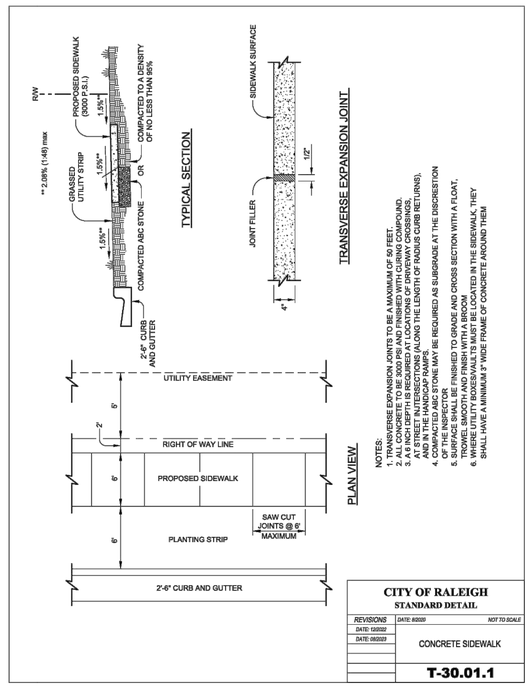


B. SHOULDER SECTION

NOTES:
IF THE SLOPE BETWEEN THE TOP OF CURB AND GUTTER AND A POINT 30 FEET FROM THE CURB AND GUTTER EXCEEDS 20%, THIS SLOPE SHALL BE ADJUSTED TO A MAXIMUM OF 8.33% (1"/FT) UP OR 4.17% (1/2" /FT) DOWN.

CITY OF RALEIGH
STANDARD DETAIL

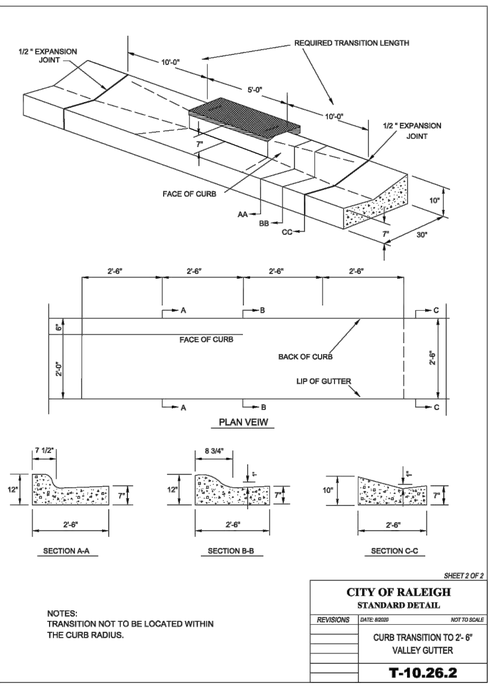
REVISIONS	DATE: 8/2020	NOT TO SCALE
DATE: 12/2022	DRIVEWAY GRADES	
	T-10.04	



NOTES:
1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
2. ALL CONCRETE TO BE 3000 PSI AND FINISHED WITH CURING COMPOUND.
3. A 6 INCH DEPTH IS REQUIRED AT LOCATIONS OF DRIVEWAY CROSSINGS, AND IN THE HANDICAP RAMPS.
4. COMPACTED ABC STONE MAY BE REQUIRED AS SUBGRADE AT THE DISCRETION OF THE INSPECTOR.
5. SURFACE SHALL BE FINISHED TO GRADE AND CROSS SECTION WITH A FLOAT, TROWEL SMOOTH AND FINISH WITH A BROOM.
6. WHERE UTILITY STRUCTURES ARE LOCATED IN THE SIDEWALK, THEY SHALL HAVE A MINIMUM 3' WIDE FRAME OF CONCRETE AROUND THEM.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
DATE: 12/2022 DATE: 05/2023	CONCRETE SIDEWALK	
	T-30.01.1	



NOTES:
TRANSITION NOT TO BE LOCATED WITHIN THE CURB RADIUS.

SHEET 2 OF 2

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
	CURB TRANSITION TO 2'- 6" VALLEY GUTTER	
	T-10.26.2	

No.	REVISIONS	DATE	BY

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

STRONG ROCK PROJECT	PSP-23-03
NOT FOR CONSTRUCTION	
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DRAWN BY	SRG
CHECKED BY	JWL

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

SITE DETAILS

DRAWING SHEET
D-1.2

132 OF 133

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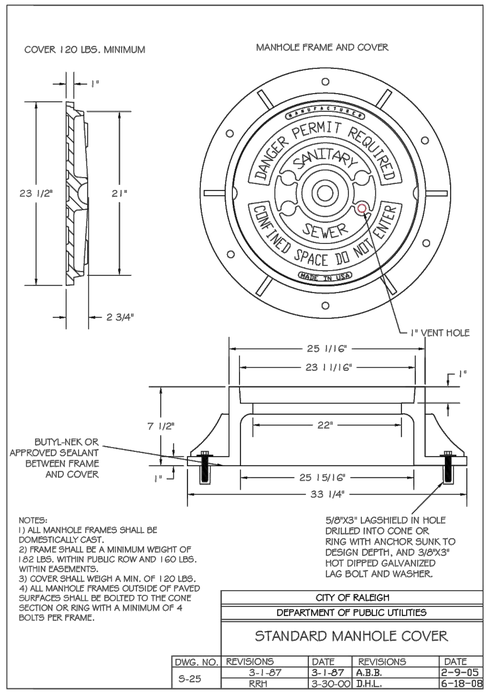
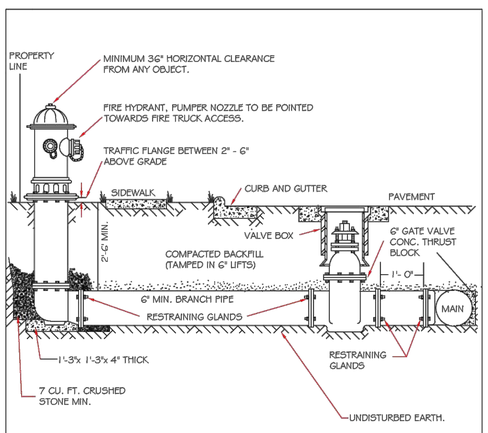


NOTES:
1) ALL MANHOLE FRAMES SHALL BE DOMESTICALLY CAST.
2) FRAME SHALL BE A MINIMUM WEIGHT OF 102 LBS. WITHIN PUBLIC ROW AND 160 LBS. WITHIN EASEMENTS.
3) COVER SHALL WEIGH A MIN. OF 120 LBS.
4) ALL MANHOLE FRAMES OUTSIDE OF PAVED SURFACES SHALL BE BOLTED TO THE CONE SECTION OR RING WITH A MINIMUM OF 4 BOLTS PER FRAME.

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES
STANDARD MANHOLE COVER

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
S-25	3-1-87	3-1-87	A.B.B.	2-9-05
	RRH	3-30-00	D.H.L.	6-18-08

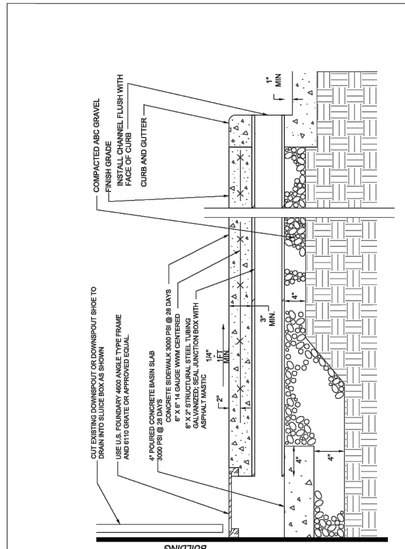


NOTES:
1. FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, M&H, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE.
2. BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-96
3. 6" GATE VALVE SHALL BE AWWA C500-86 OPEN LEFT
4. STEEL RODS AND BOLTS SHALL BE ⅜" HOT DIPPED GALVANIZED
5. FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION
   RODS SHALL NOT BE COUPLED MORE THAN ONCE. IF THE LENGTH FROM THE VALVE TO THE HYDRANT EXCEEDS 20' THEN A MECHANICAL RESTRAINING GLAND WITH A REBAR CAGE SHALL BE INSTALLED NO MORE THAN 10' FROM HYDRANT AND POURED IN CONCRETE.
   FIRE HYDRANTS TO BE LOCATED IN ROW OR 2 FOOT EASEMENT ADJACENT TO ROW

ANYTIME SITE WORK, CONSTRUCTION, ROAD WORK, OR ANY OTHER WORK CHANGES THE GRADE OF THE FIRE HYDRANT, THE PERSON RESPONSIBLE FOR THE WORK IS RESPONSIBLE FOR ADJUSTING THE FIRE HYDRANT TO STAY WITHIN COMPLIANCE.

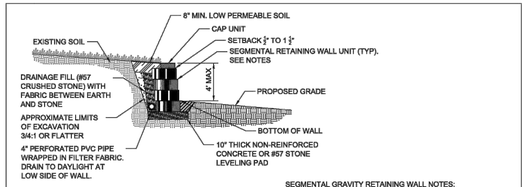
CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES
STANDARD FIRE HYDRANT INSTALLATION DETAIL

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
W-4	ABB	4-6-04	PAP	2/17/09
	DHL	2/14/06		



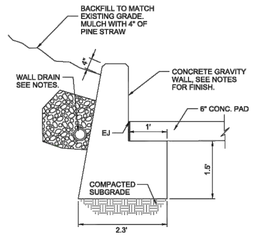
CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	CURB DRAIN DETAIL	
	SW-10.12	



SEGMENTAL GRAVITY RETAINING WALL

SEGMENTAL GRAVITY RETAINING WALL NOTES:
1. STANDARD UNIT WILL MEET NCDOT APPROVED VENDORS LIST. DIMENSIONS OF CONCRETE BLOCKS ARE TYPICALLY 18" WIDE BY 18" DEEP BY 8" TALL WITH PIN OR SIMILAR LOCKING MECHANISME. BACK FILL VOIDS IN BLOCKS WITH #57 STONE TO TOP.
2. DO NOT MIX UNITS FROM DIFFERENT VENDORS ON SAME WALL.
3. TOP CAP UNIT WILL BE GLUED TO BLOCKS WITH ADHESIVE MEETING MANUFACTURERS RECOMMENDATIONS.
4. DO NOT USE SEGMENTAL GRAVITY WALLS WHEN SURCHARGE LOADS WILL BE WITHIN 5'-6" OF THE BACK OF THE CAP UNIT.
5. DO NOT ATTACH FENCE OR HANDRAIL TO WALL.
6. WALL SIMILAR TO NCDOT STANDARD DRAWING 453.02.



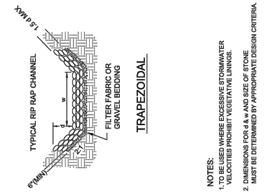
REINFORCED CONCRETE GRAVITY RETAINING WALL

REINFORCED CONCRETE GRAVITY WALL NOTES:
1. USE CLASS A CONCRETE AND PROVIDE CLASS I SURFACE FINISH ON ALL EXPOSED SURFACES.
2. PROVIDE GROVED CONTRACTION JOINTS EVERY 10'-0".
3. PROVIDE 4" PERFORATED PVC DRAIN PIPE THE LENGTH OF THE WALL. WRAP PIPE WITH FILTER FABRIC AND PROVIDE 1' WIDE BY 1' DEEP WASHED STONE AROUND PIPE. TIE TO STORM DRAIN OR DAYLIGHT AT ENDS AND PROVIDE SOCK AROUND END OF PIPE.
4. DO NOT BACKFILL WALL UNTIL CONCRETE DEVELOPS A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. COMPACT BACKFILL AND COMPACT WITH HAND OPERATED EQUIPMENT.
5. TAPER ENDS OF WALL TO 6" ABOVE GRADE IN 3' MINIMUM. END OF WALL SHALL HAVE 6" HORIZONTAL CLEARANCE FROM THE EDGE OF SIDEWALK.
6. WALL SIMILAR TO NCDOT STANDARD DRAWING 453.01.

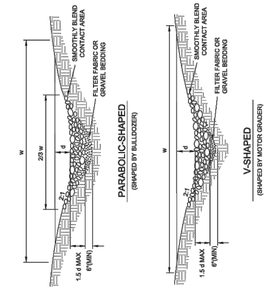
GENERAL NOTES:
1. COORDINATE WITH CITY OF RALEIGH ON WHICH WALL TYPE TO USE.
2. ALL RETAINING WALLS SHALL BE DESIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	RETAINING WALL	
	TT-09	



NOTES:
1. TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT WEED PATHE LINING.
2. DIMENSIONS FOR d & A AND SIZE OF STONE MUST BE DETERMINED BY APPROPRIATE TEXTURAL CRITERIA.



TABLE

d MAX	STONE CLASSIFICATION	RIP RAP DEPTH
8"	A	12"
12"	B	20"
18"	CLASS 1	27"
24"	CLASS 2	36"

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 6/2020	NOT TO SCALE
	RIP RAP LINED CHANNELS	
	SW-20.12	

No.	REVISIONS	DATE	BY

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036225 ENGINEER JOSHUA W. LAMBERT

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

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

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

DRAWING SHEET
D-1.3

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