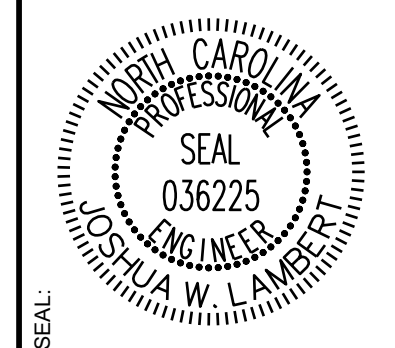


01	TOWN OF ROLESVILLE CID-24-07	11/01/2024	SRG
02	TOWN OF ROLESVILLE VZ-CID-24-07	02/03/2025	SRG



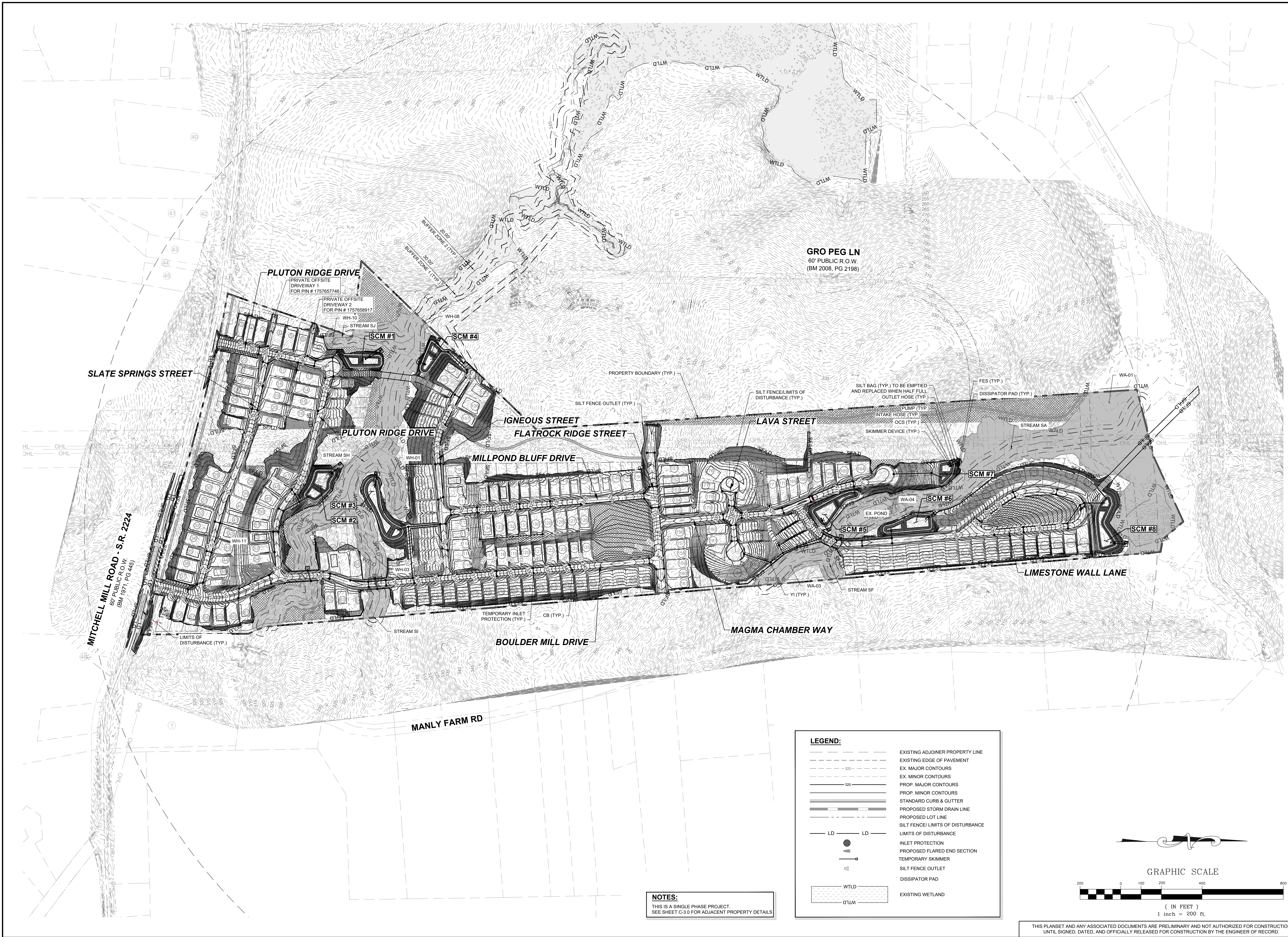
**STRONGROCK**  
ENGINEERING GROUP

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

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
EROSION CONTROL PLAN -  
OVERALL STAGE 3

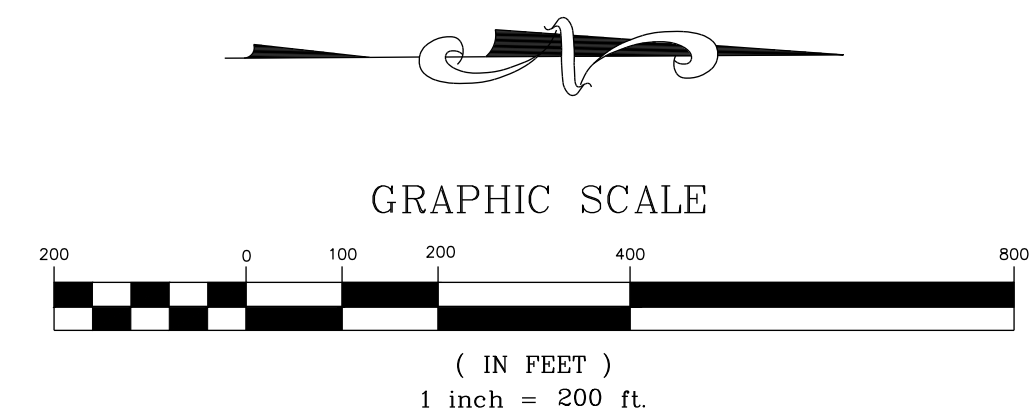
DRAWING SHEET  
C-9.15



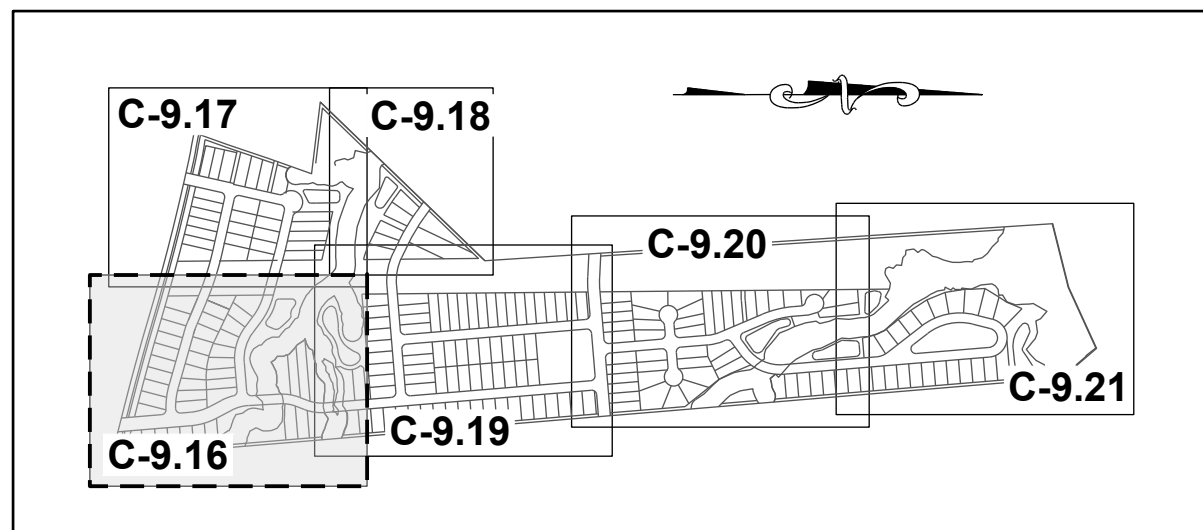
**LEGEND:**

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

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



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SITE KEY PLAN

**NOTE:**  
EROSION CONTROL NOTES - SEE SHEET C-9.0



**MATCH LINE**  
FOR CONTINUATION, SEE C-9.17

**MATCH LINE**  
FOR CONTINUATION, SEE C-9.19

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

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

N/F  
BOULDER MILL DRIVE  
70' PUBLIC R.O.W.

N/F  
PLUTON RIDGE DRIVE  
50' PUBLIC R.O.W.

N/F  
BOULDER MILL DRIVE  
50' PUBLIC R.O.W.

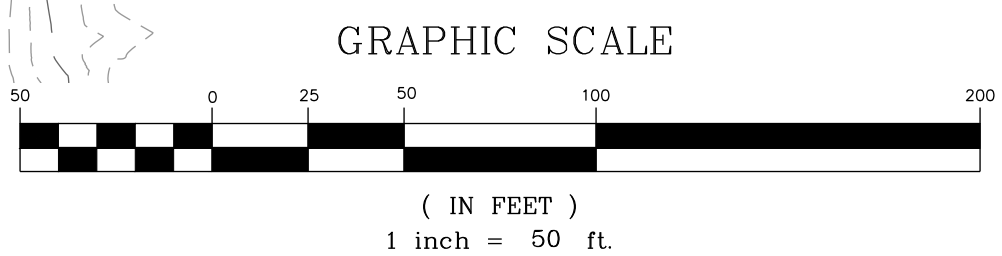
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JONES, CHARLES, ET.AL  
PIN: 1757856303  
DB: 13359 PG: 400  
ZONING: R-30 (WC) USE: AG

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

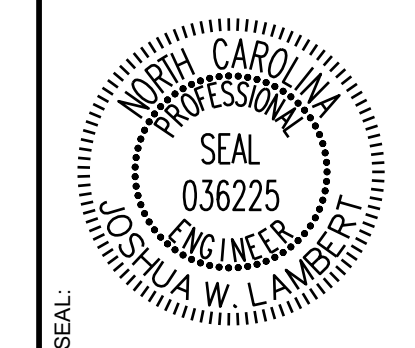
N/F  
JONES, CHARLES SPENCER  
PIN: 1757857937  
DB: 9320 PG: 1460  
BM 1993 PG 446  
ZONING: R-30 (WC) USE: SF

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

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



NO.	REVISIONS	DATE	BY
01			
02			



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ENGINEERING GROUP

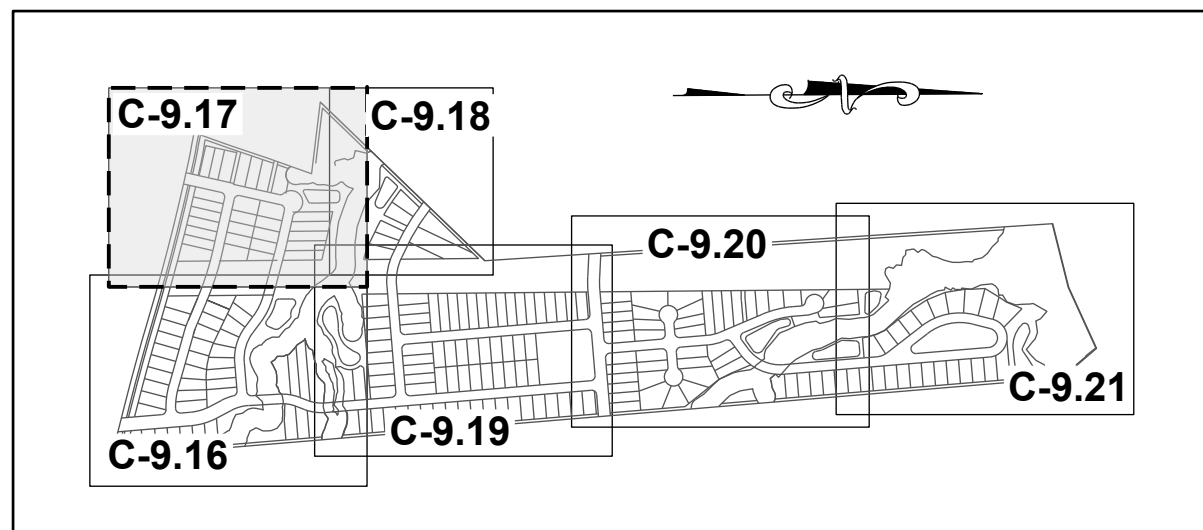
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
EROSION CONTROL PLAN -  
STAGE 3

DRAWING SHEET  
**C-9.16**

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SITE KEY PLAN

NOTE:  
EROSION CONTROL NOTES : SEE SHEET C-9.0



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

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

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

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

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

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

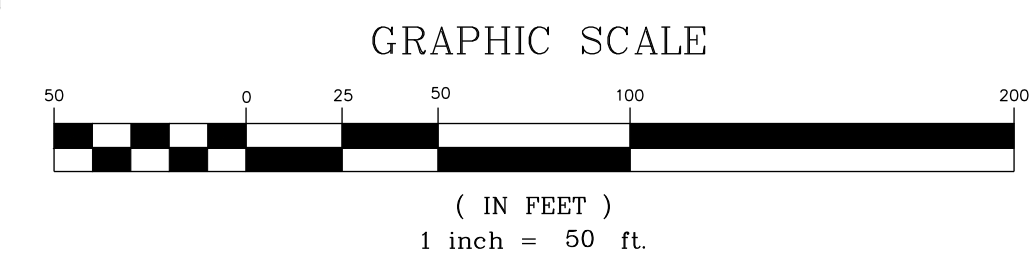
N/F  
UTILITY THREE  
BUILDERS INC  
PIN: 1757646703  
DB: 18226 PG: 2104  
BM: 1981 PG: 895  
ZONING: R-30 (WC)  
USE: SF

PRIVATE OFFSITE  
DRIVEWAY 1  
FOR PIN # 1757657746

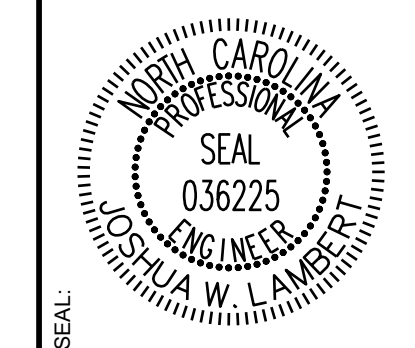
PRIVATE OFFSITE  
DRIVEWAY 2  
FOR PIN # 1757658917

MATCH LINE  
FOR CONTINUATION, SEE C-9.18

MATCH LINE  
FOR CONTINUATION, SEE C-9.16



NO.	REVISIONS	DATE	BY
01			
02			



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ENGINEERING GROUP

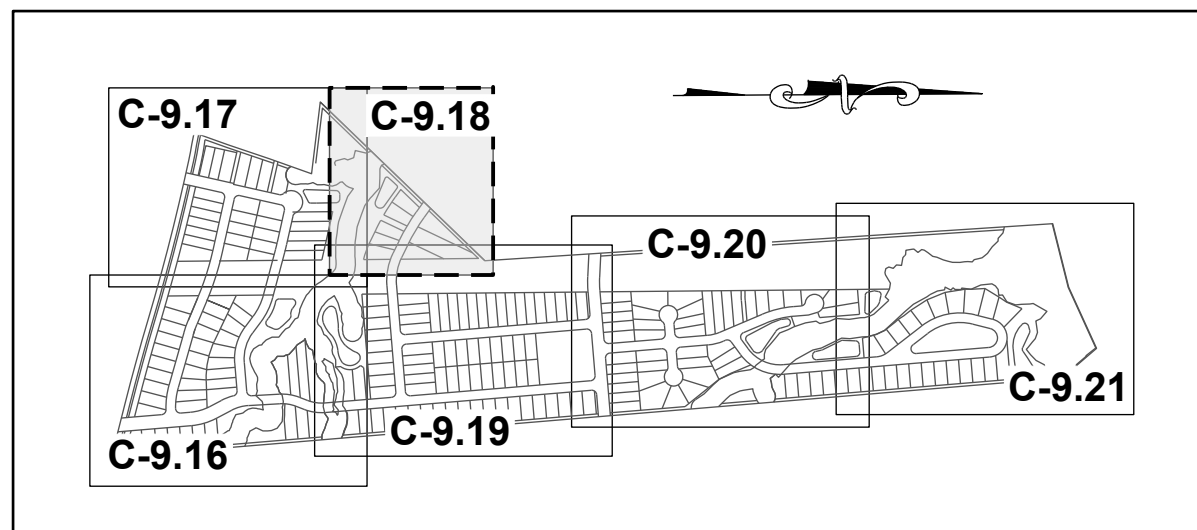
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
EROSION CONTROL PLAN -  
STAGE 3

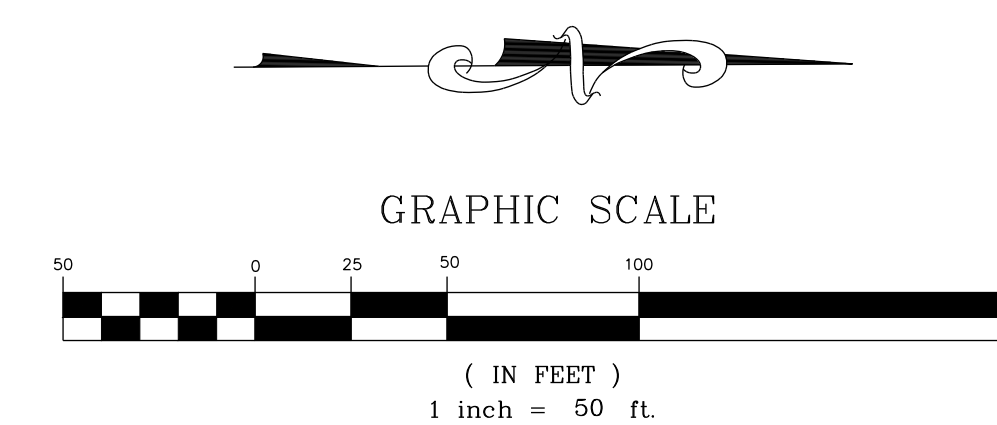
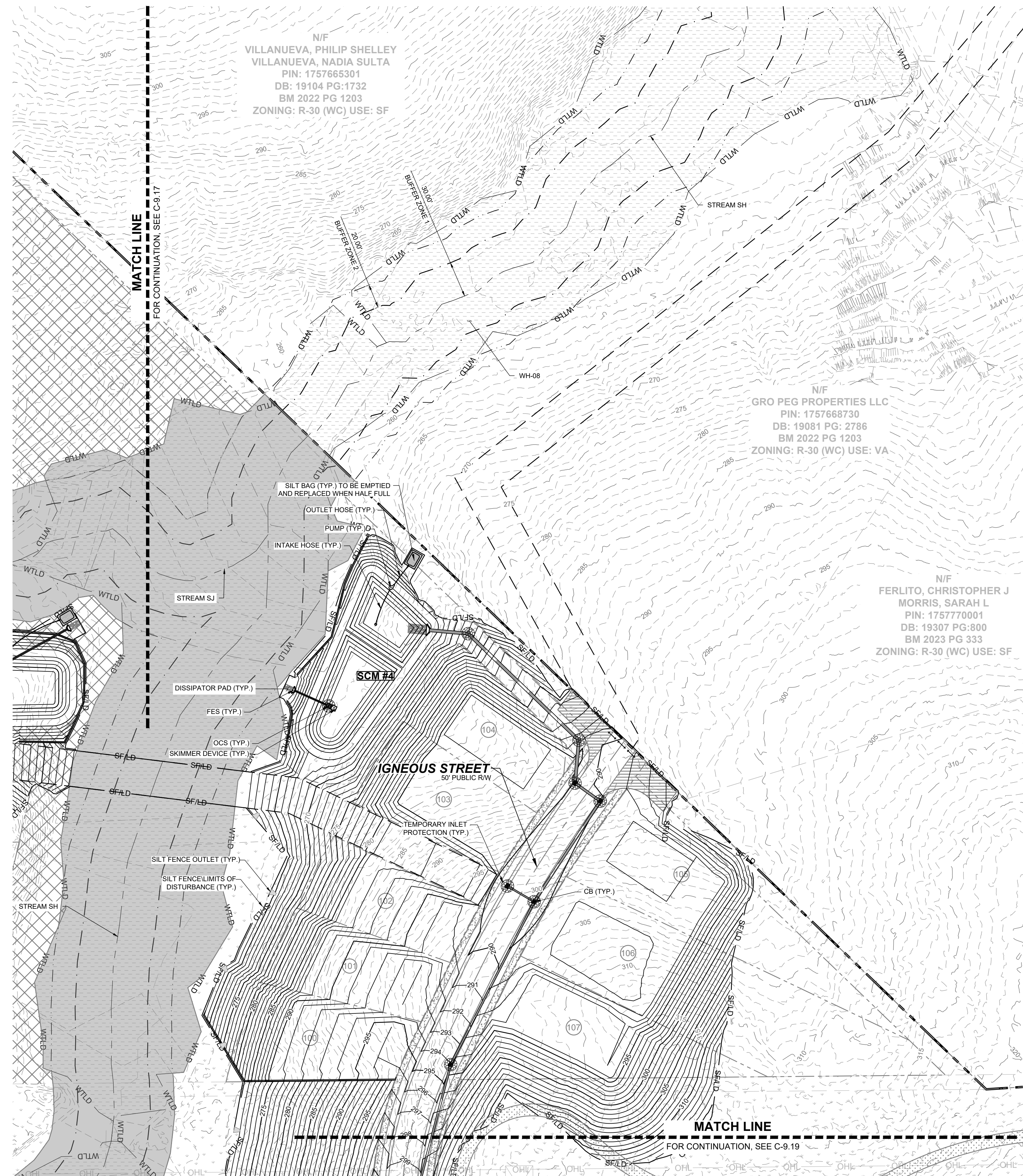
DRAWING SHEET  
**C-9.17**  
64 OF 129

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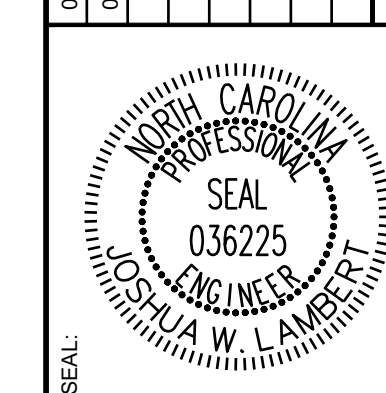
SITE KEY PLAN

NOTE:  
EROSION CONTROL NOTES : SEE SHEET C-9.0



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NO.	REVISIONS	DATE	BY
01			
02			



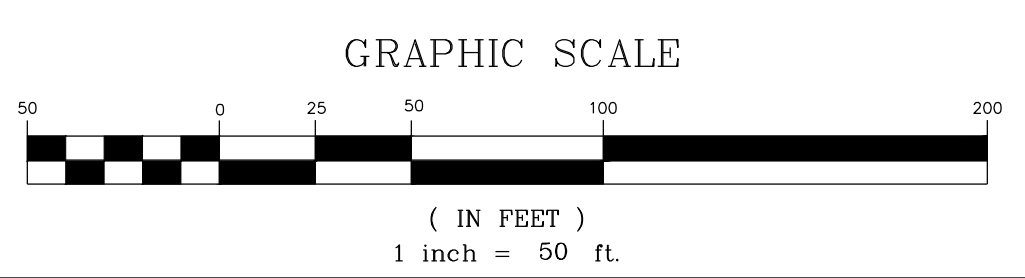
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
EROSION CONTROL PLAN -  
STAGE 3

DRAWING SHEET  
**C-9.18**



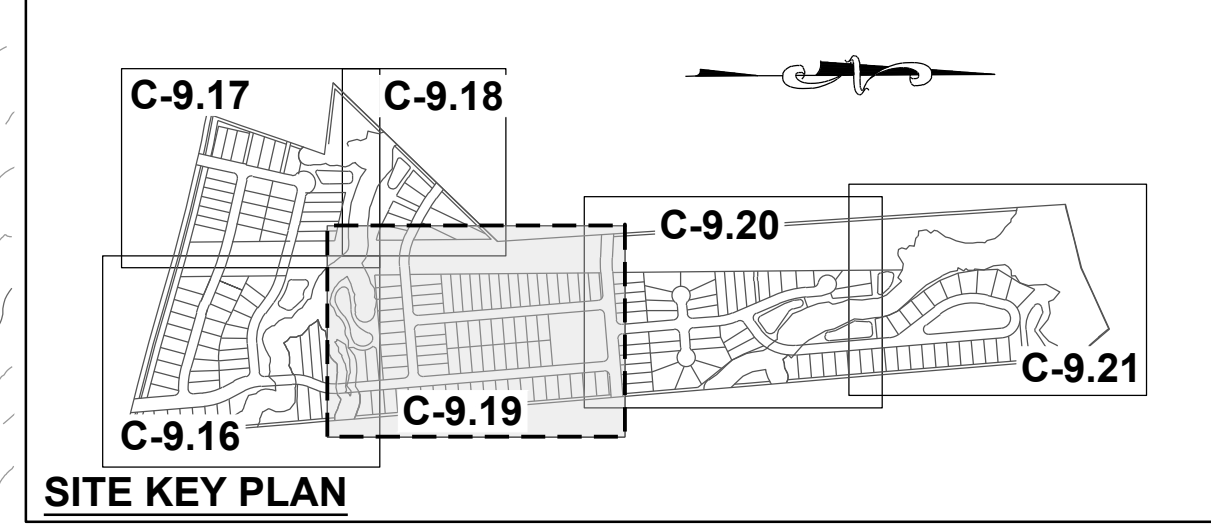
N/F  
HERNADEZ, JUANITA  
PIN: 1757866385  
DB: 19332 PG: 1806  
BM 1990 PG 132  
ZONING: R-30 (WC)  
USE: MO

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

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

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

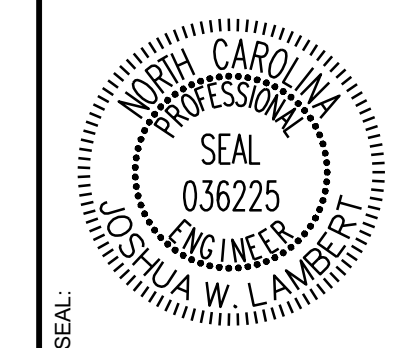
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BEATTIE, LENORA M  
PIN: 1757875349  
DB: 07-E PG: 2834  
ZONING: R-30 (WC)  
USE: SF



**NOTE:**  
EROSION CONTROL NOTES : SEE SHEET C-9.0

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



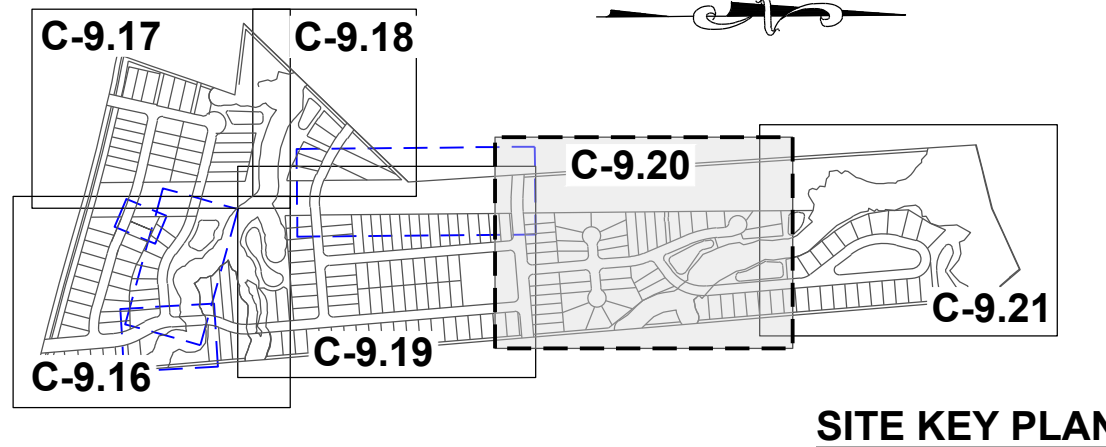
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
EROSION CONTROL PLAN -  
STAGE 3

DRAWING SHEET  
**C-9.19**

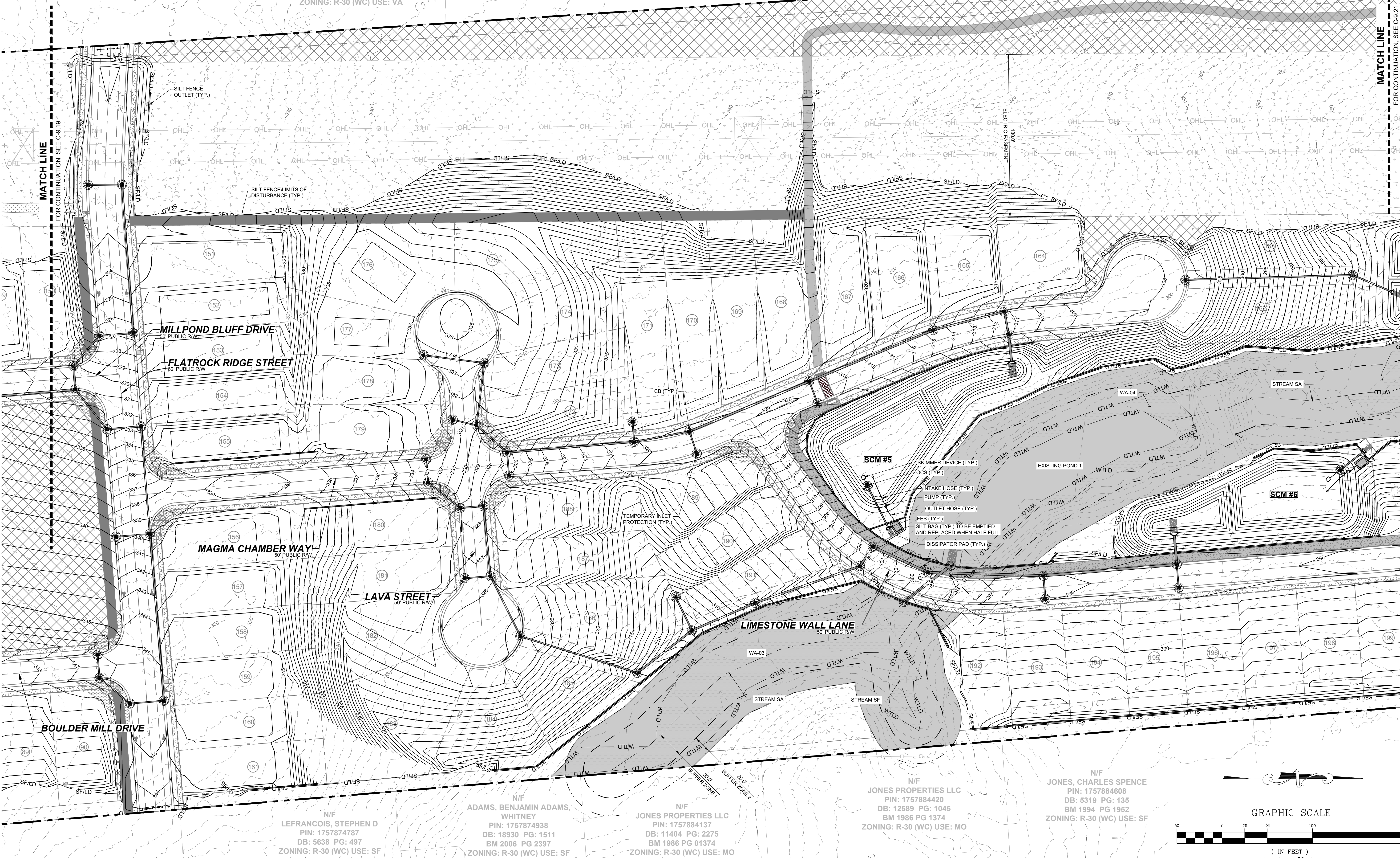


**NOTE:**  
EROSION CONTROL NOTES : SEE SHEET C-9.0

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

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

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



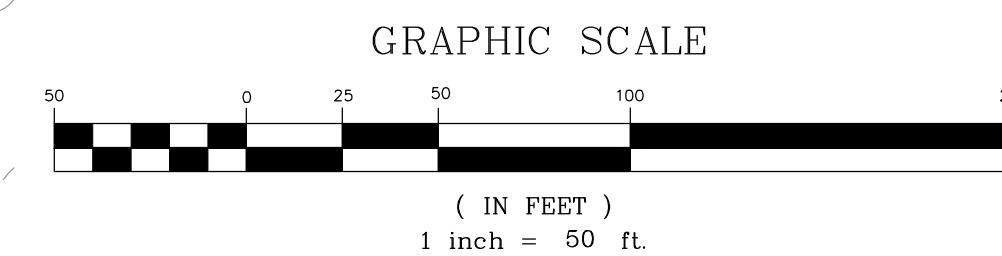
N/F  
LEFRANCOIS, STEPHEN D  
PIN: 1757874787  
DB: 5638 PG: 497  
ZONING: R-30 (WC) USE: SF

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

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

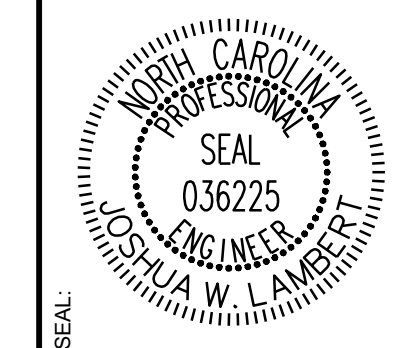
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JONES PROPERTIES LLC  
PIN: 1757884420  
DB: 12589 PG: 1045  
BM 1986 PG 1374  
ZONING: R-30 (WC) USE: MO

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



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NO.	REVISIONS	DATE	BY
01			
02			



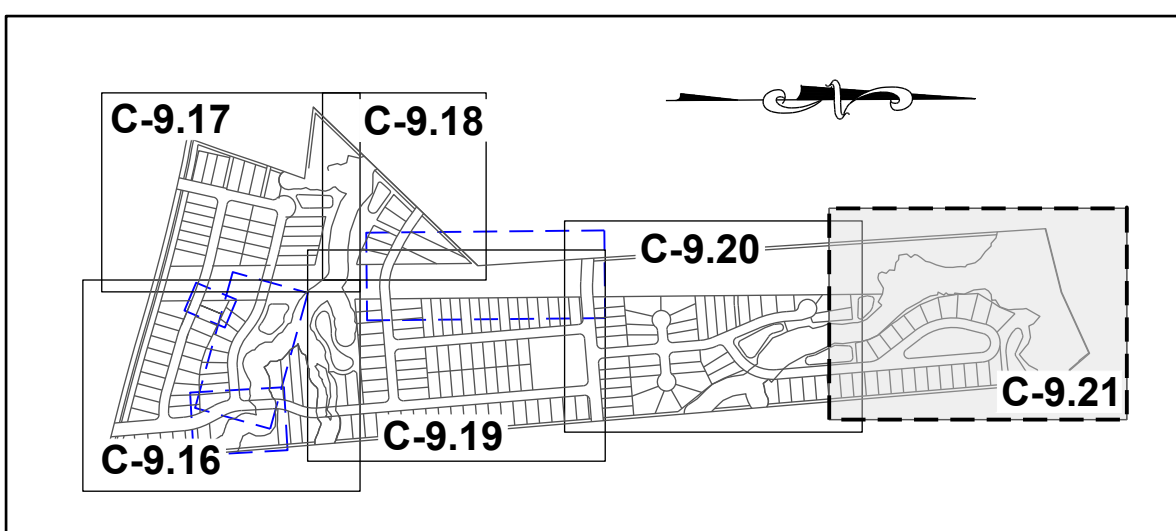
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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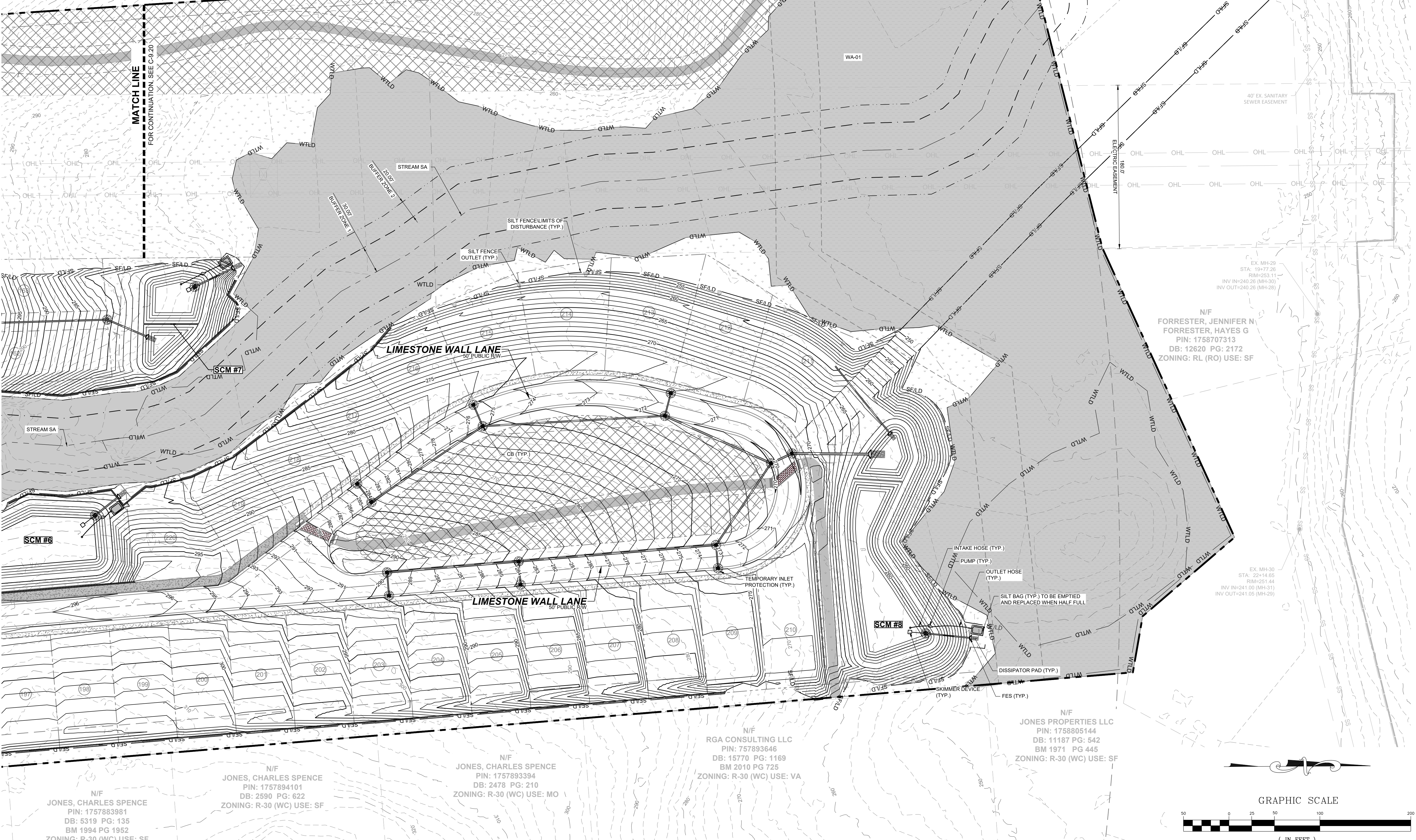
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
EROSION CONTROL PLAN -  
STAGE 3

DRAWING SHEET  
**C-9.20**

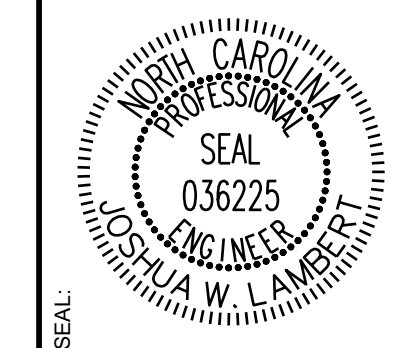


**NOTE:**  
EROSION CONTROL NOTES : SEE SHEET C-9.0

**SITE KEY PLAN**



NO.	REVISIONS	DATE	BY
01			
02			



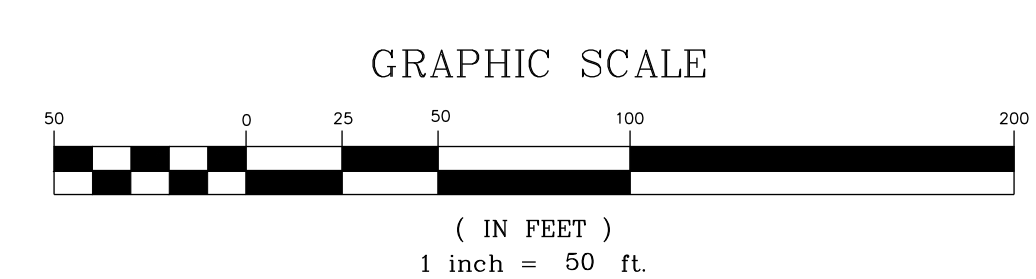
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

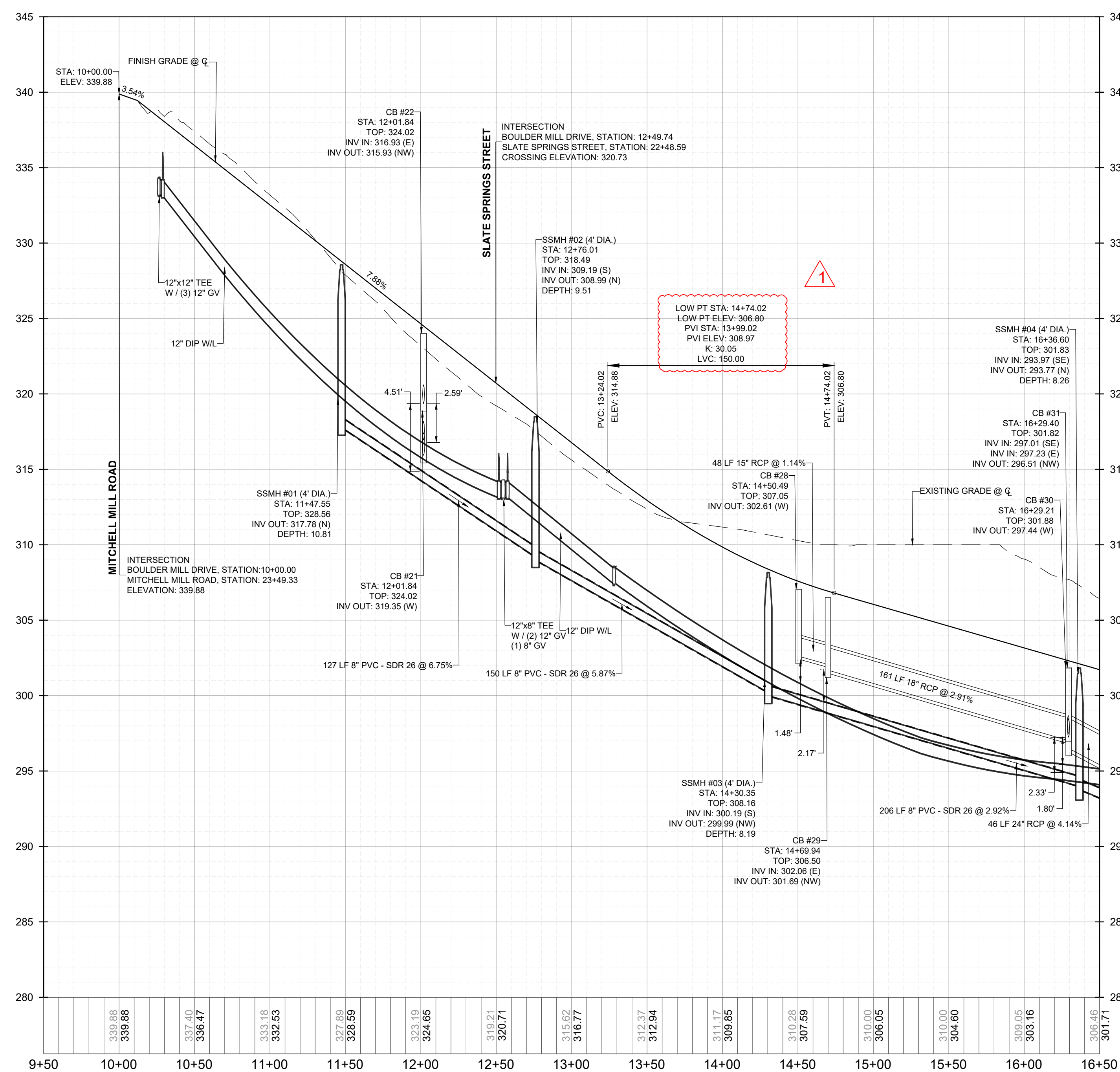
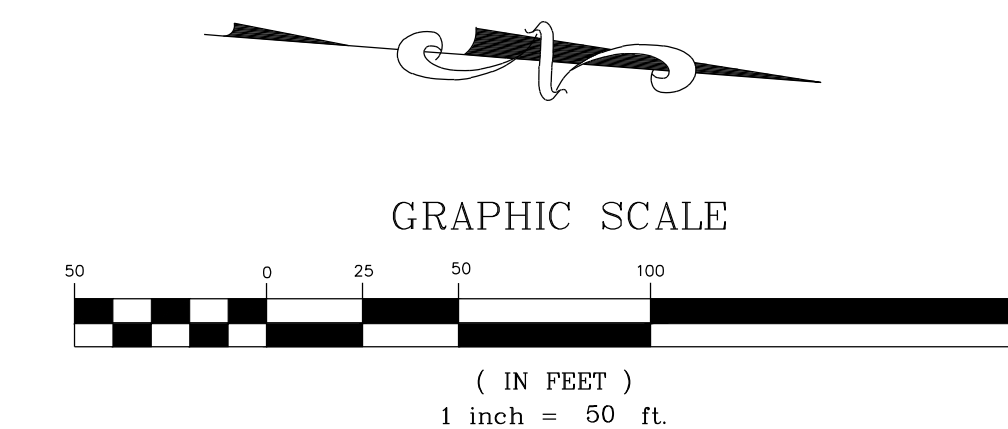
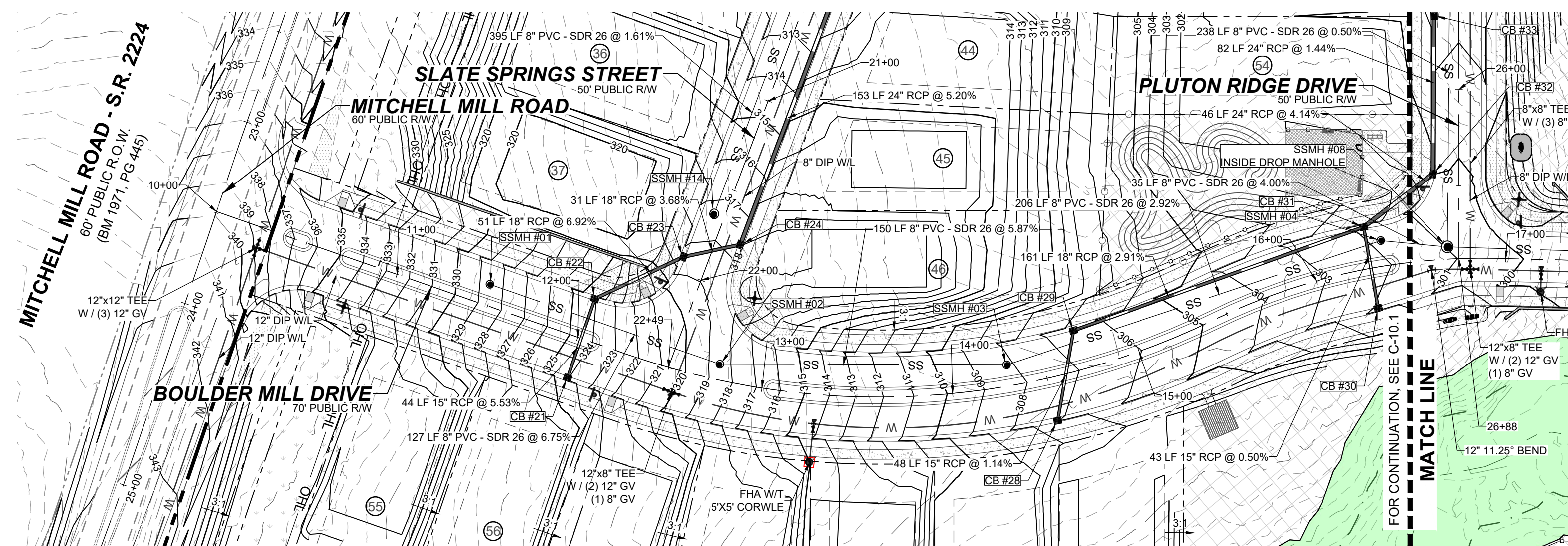
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY

**HILLS AT HARRIS CREEK**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**EROSION CONTROL PLAN -**  
**STAGE 3**

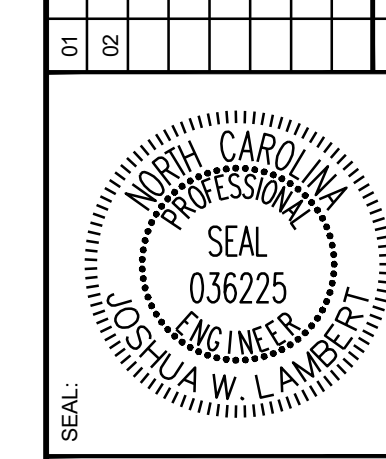
DRAWING SHEET  
**C-9.21**



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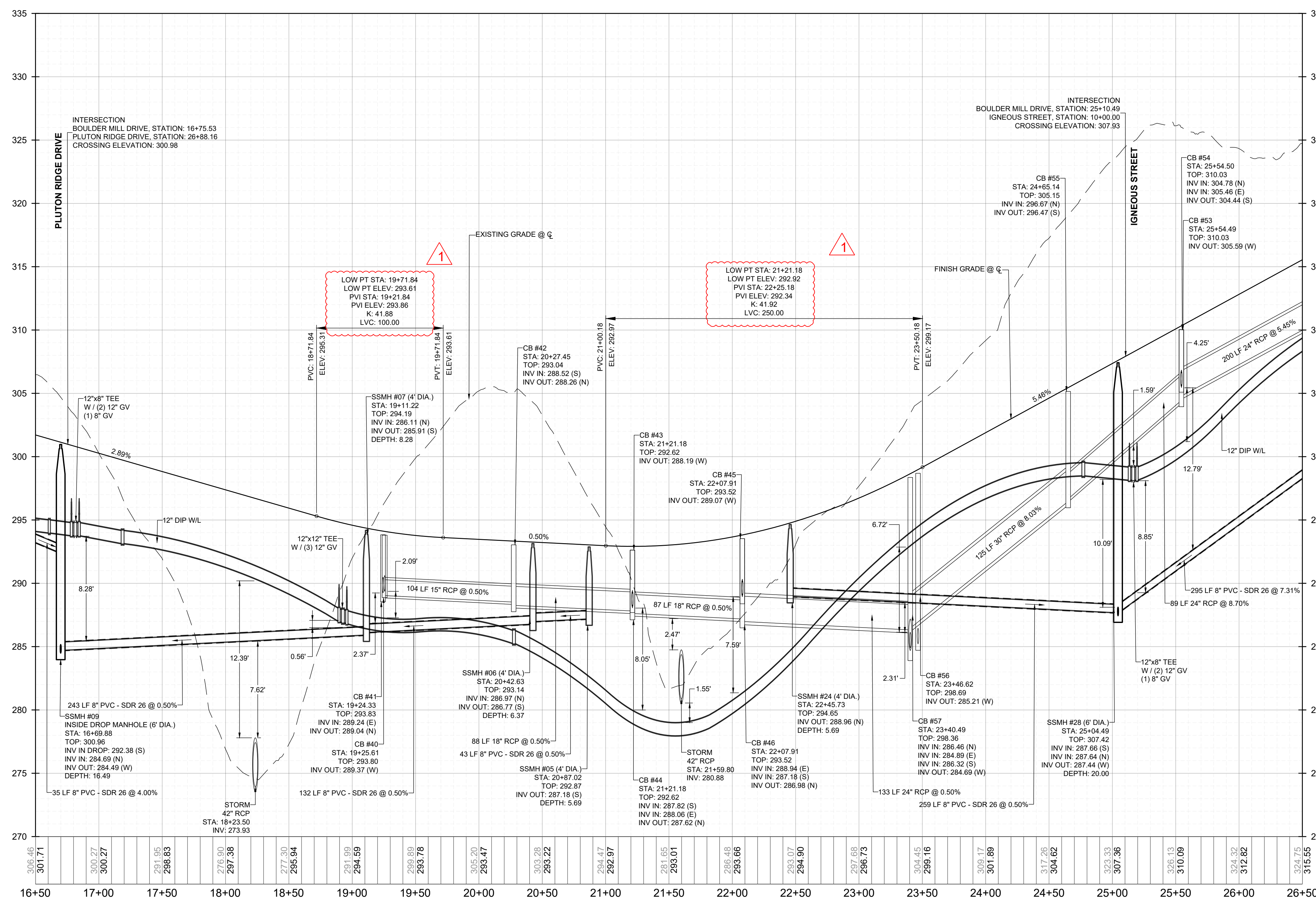
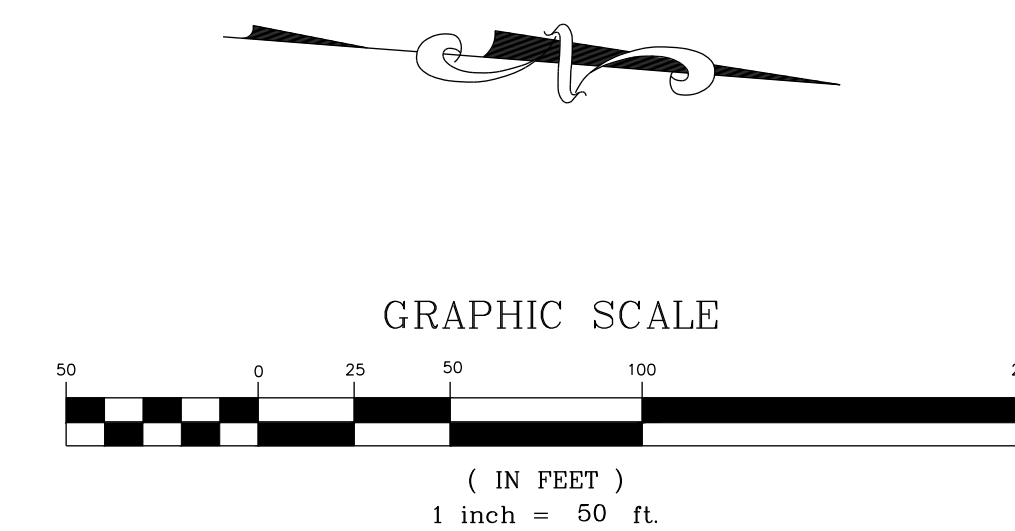
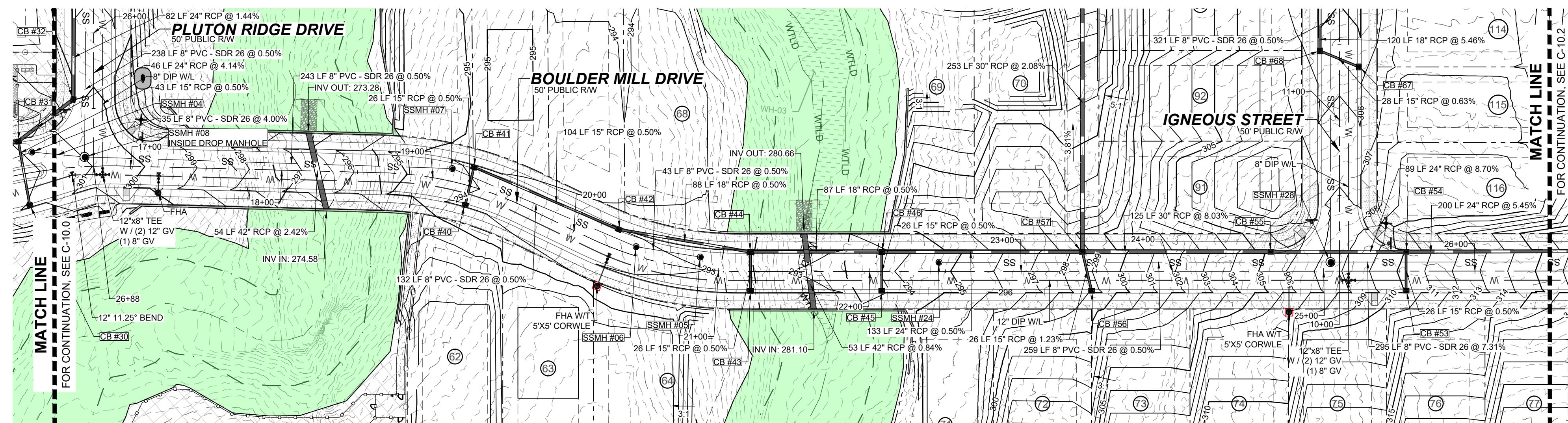
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY
			JWL	SRG	JWL

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

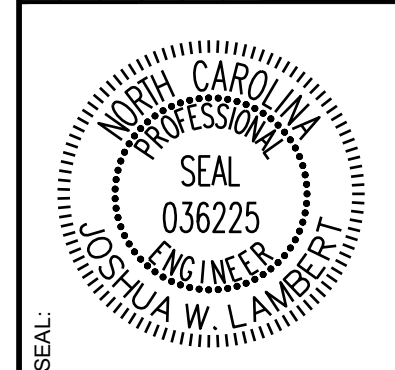
DRAWING SHEET  
**C-10.0**

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NO.	REVISIONS	DATE	BY
01			
02			



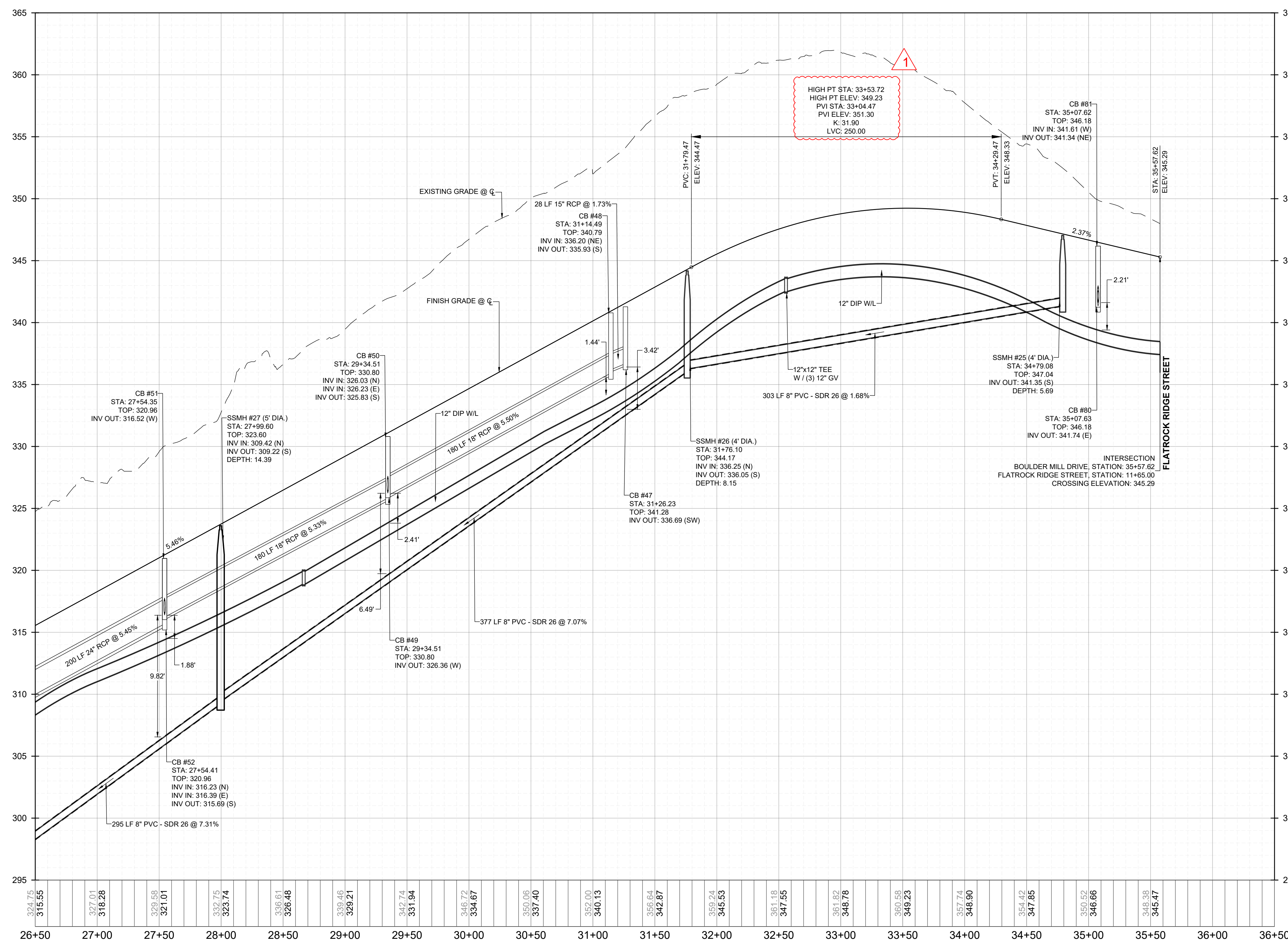
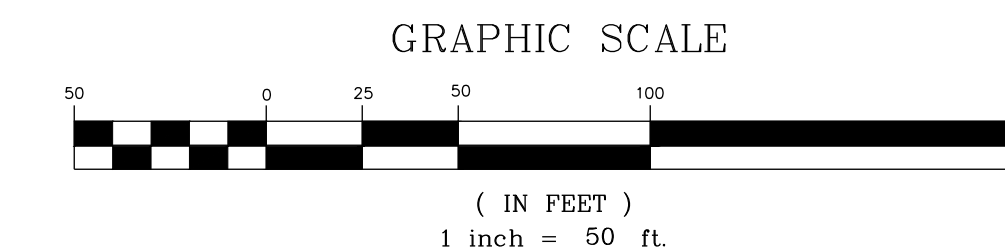
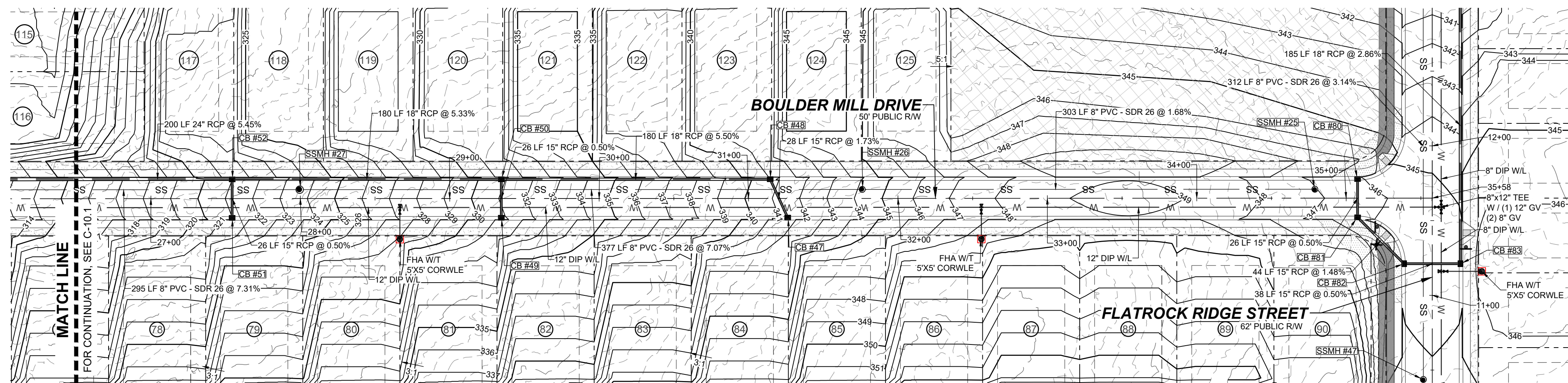
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

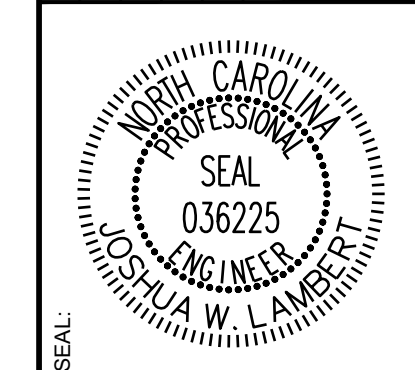
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE

DRAWING SHEET  
**C-10.1**

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NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

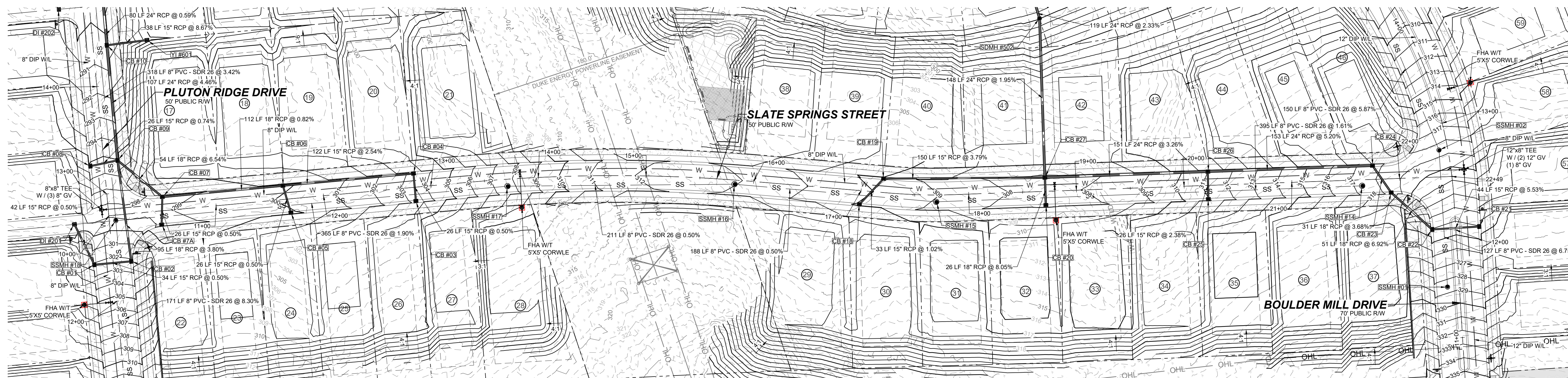
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	SRG	DRAWN BY	CHECKED BY
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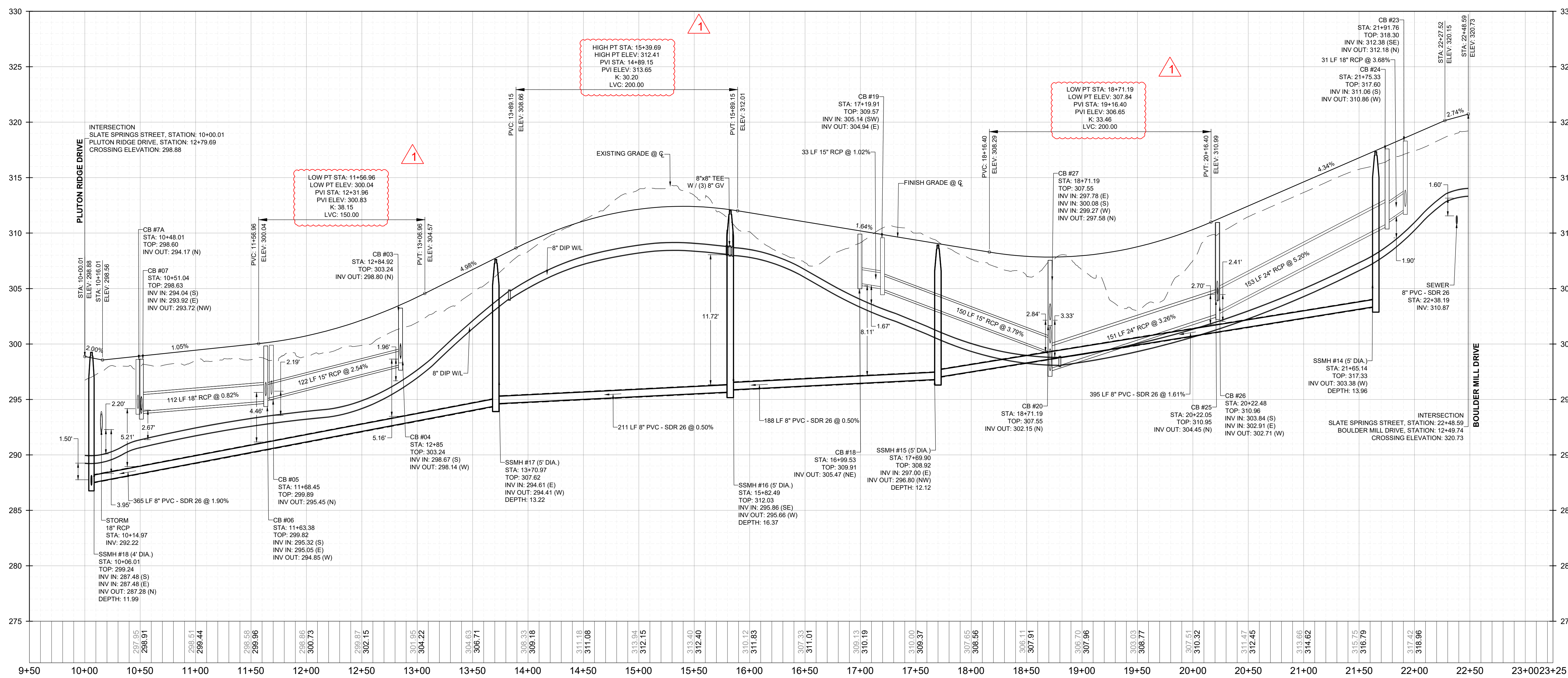
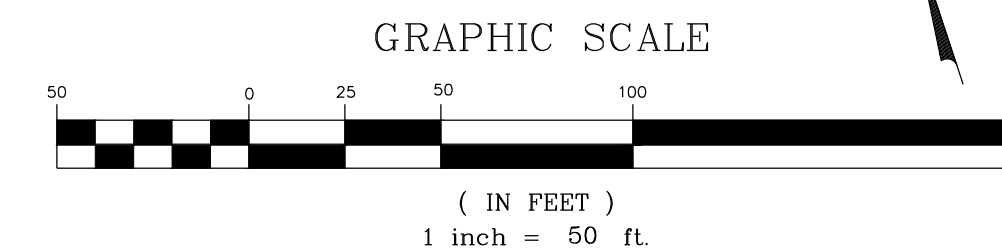
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PROPOSED BOULDER MILL DRIVE - PLAN & PROFILE**

DRAWING SHEET  
**C-10.2**

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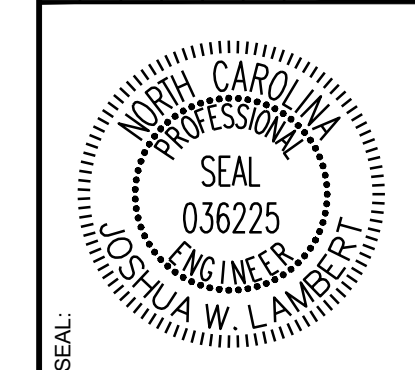


PROPOSED SLATE SPRINGS STREET - PLAN  
HORIZONTAL: 1" = 50'



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

NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

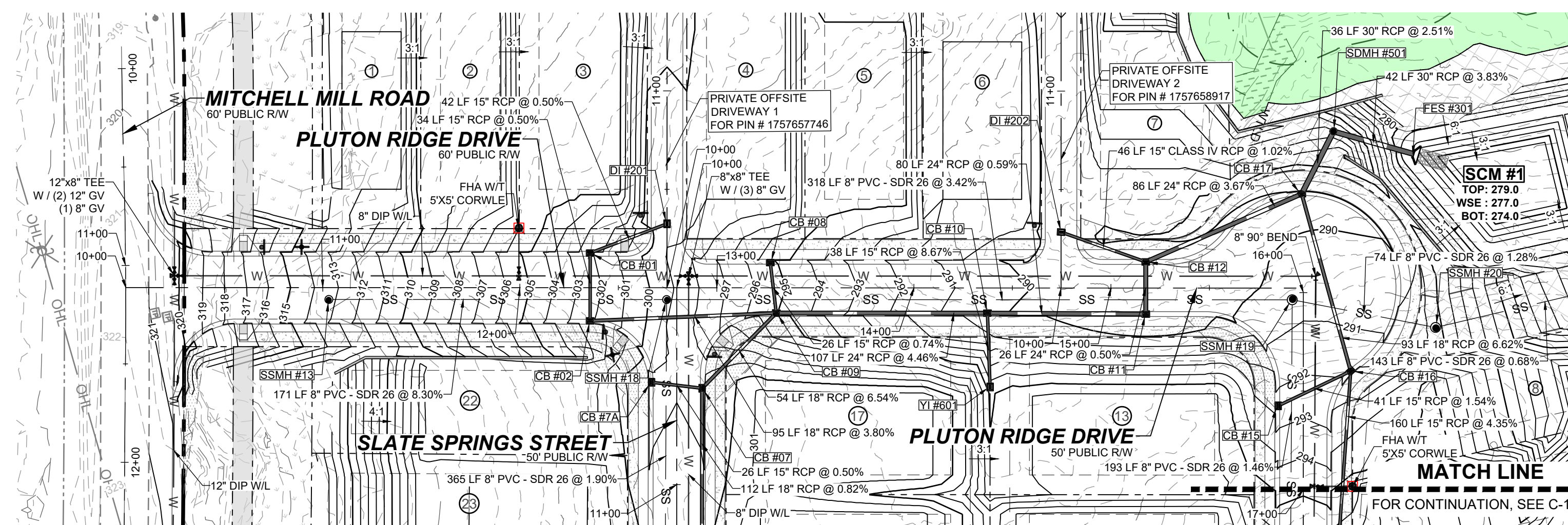
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

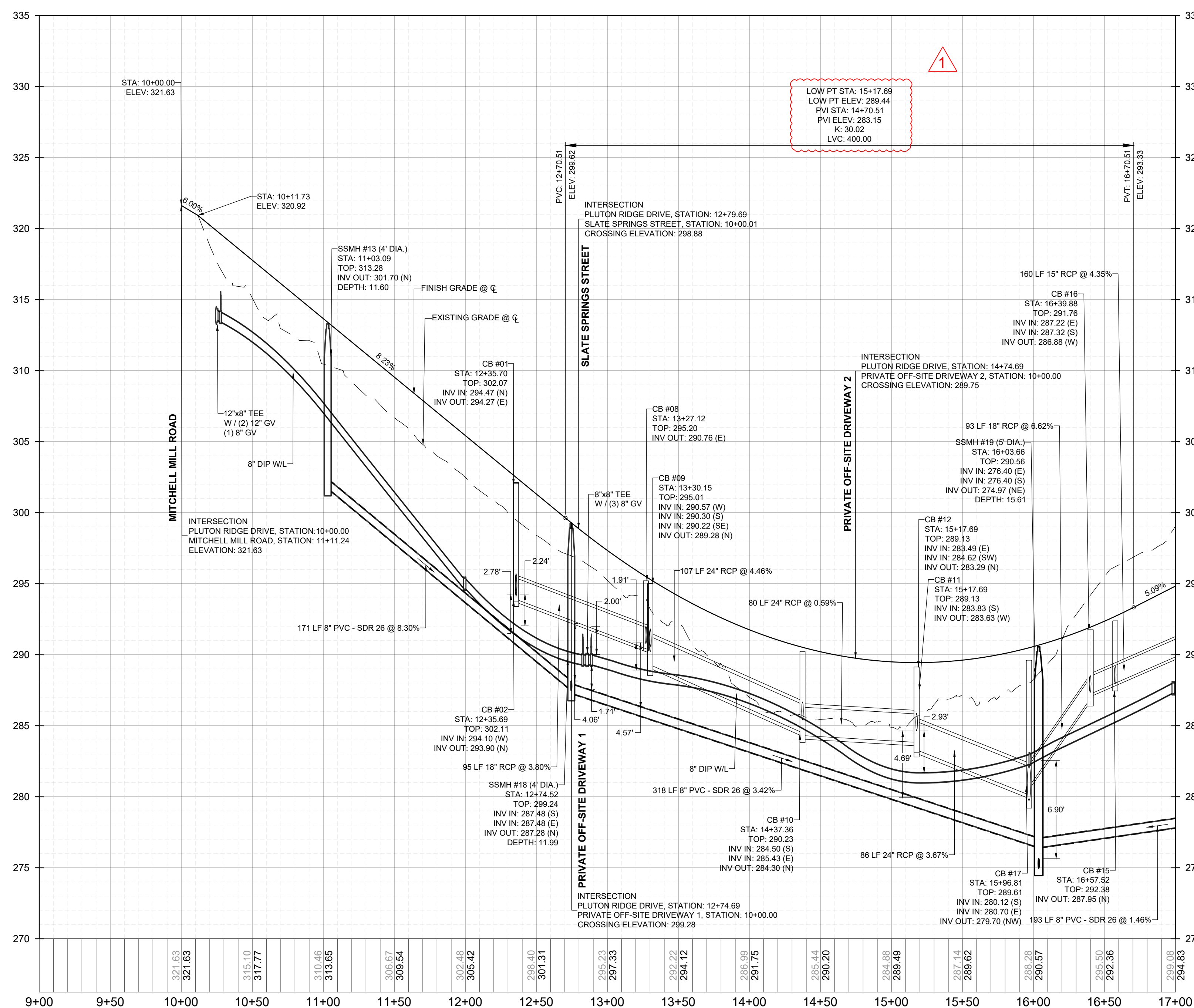
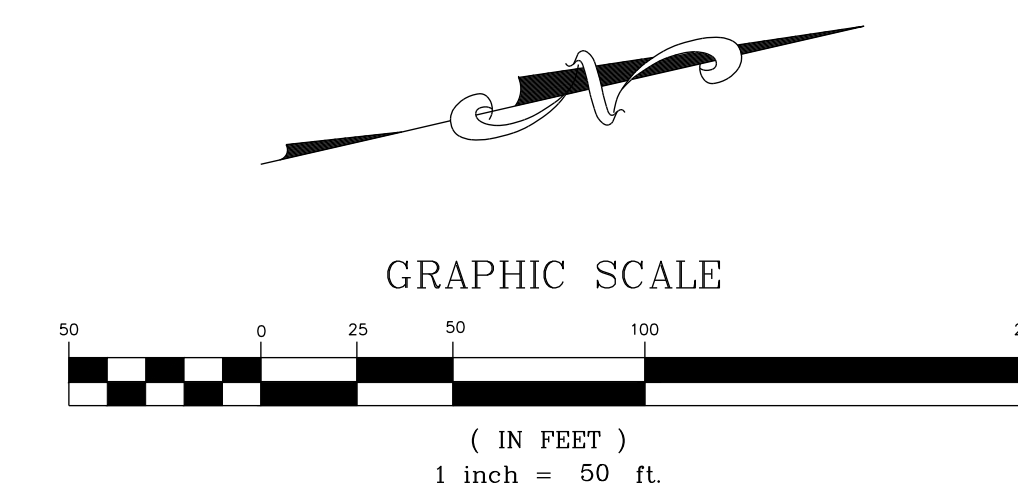
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PROPOSED SLATE SPRINGS STREET  
- PLAN & PROFILE

DRAWING SHEET  
C-10.3

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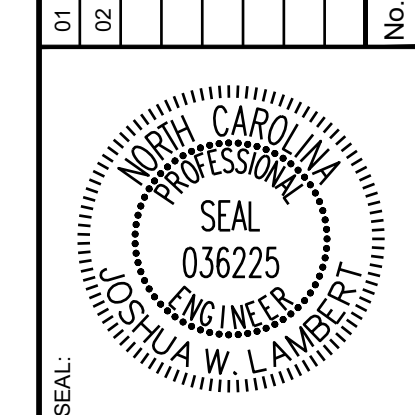


**PROPOSED PLUTON RIDGE DRIVE - PLAN**  
HORIZONTAL: 1" = 50'



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

NO.	REVISIONS	DATE	BY
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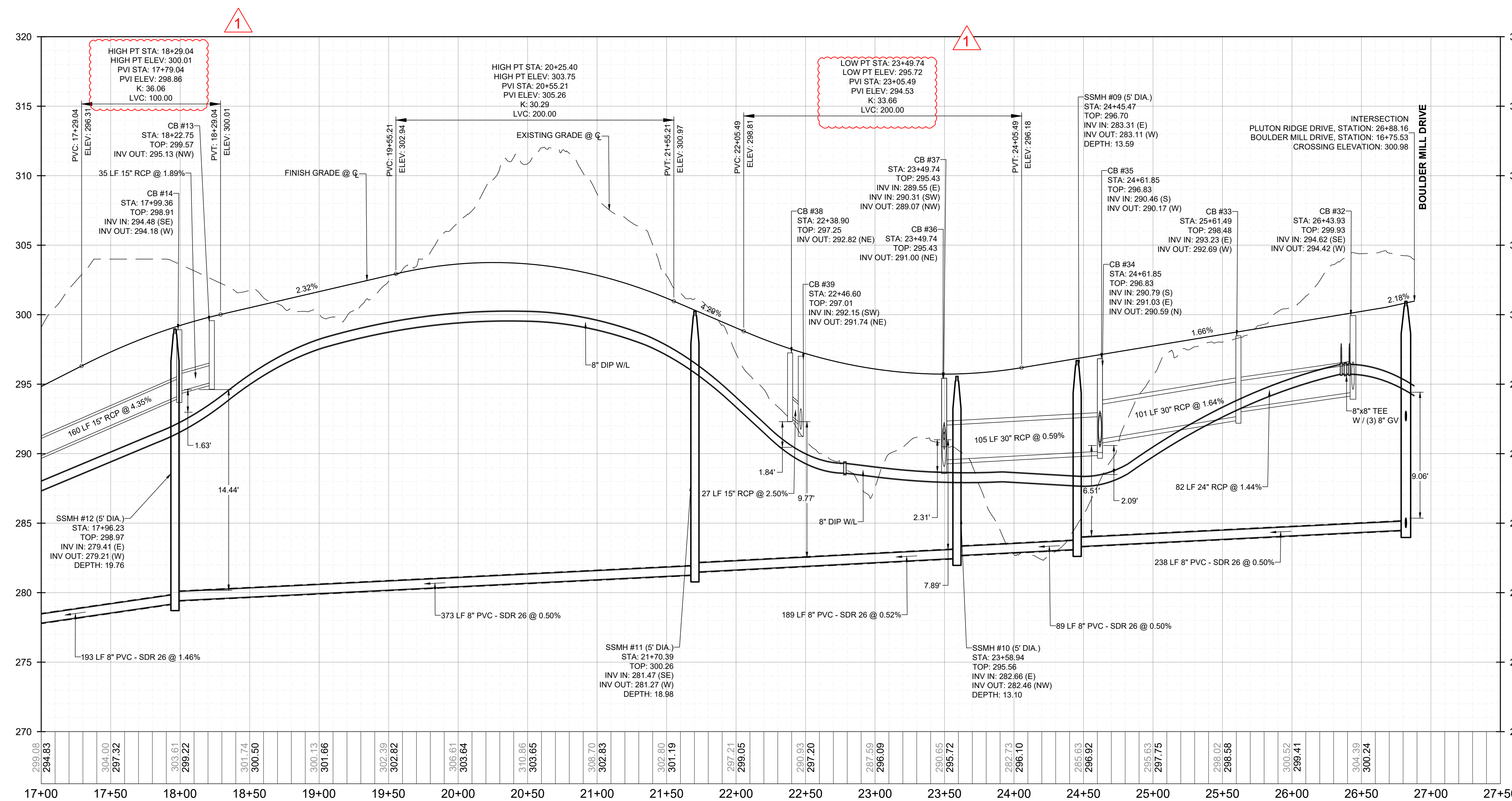
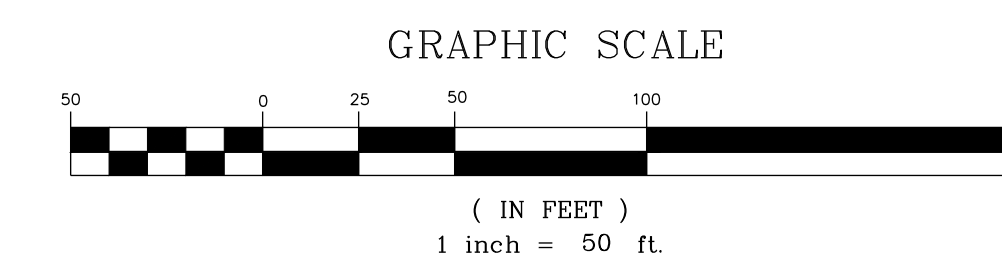
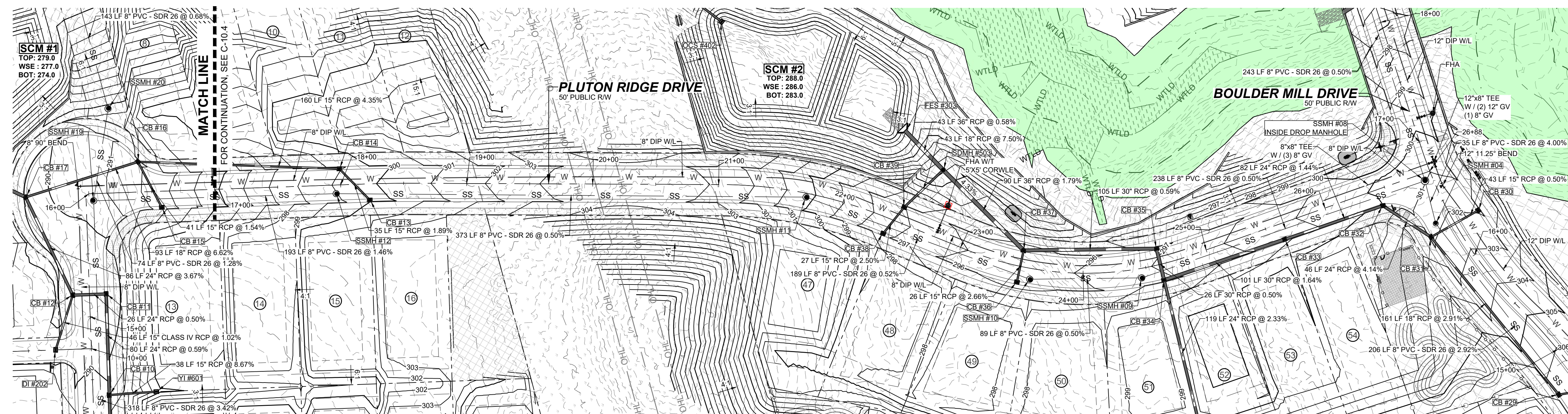
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STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	JWL	SRG	JWL

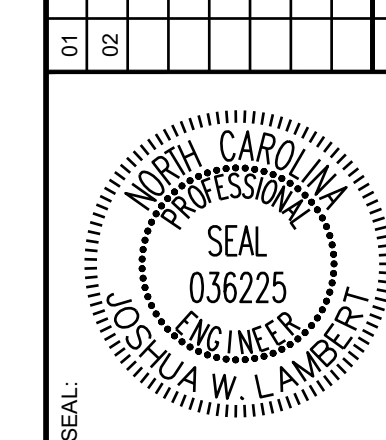
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PROPOSED PLUTON RIDGE DRIVE - PLAN & PROFILE**

DRAWING SHEET  
**C-10.4**

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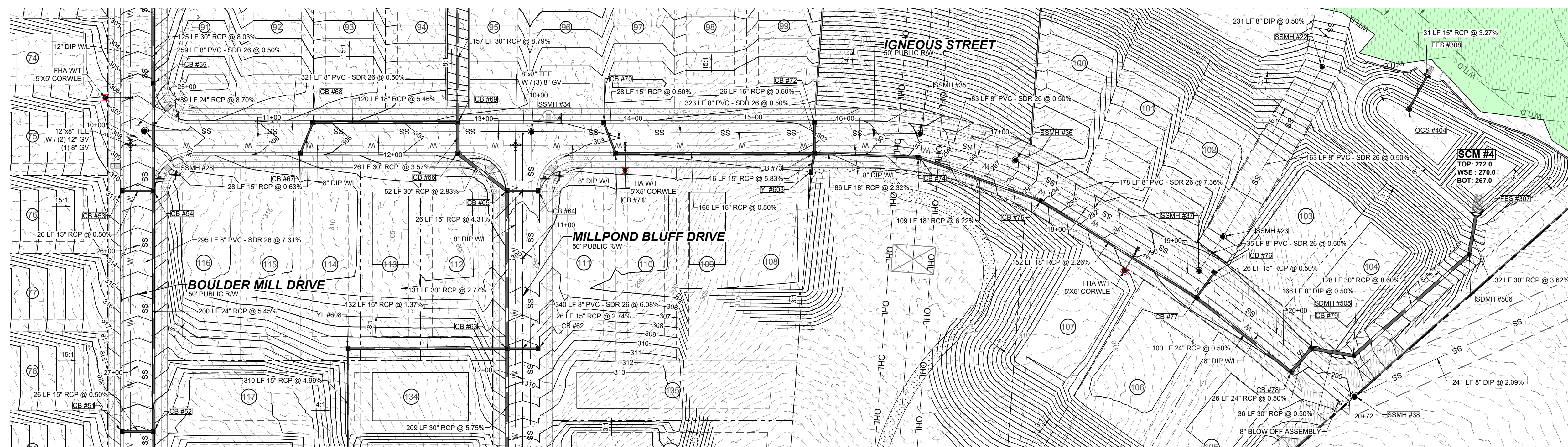
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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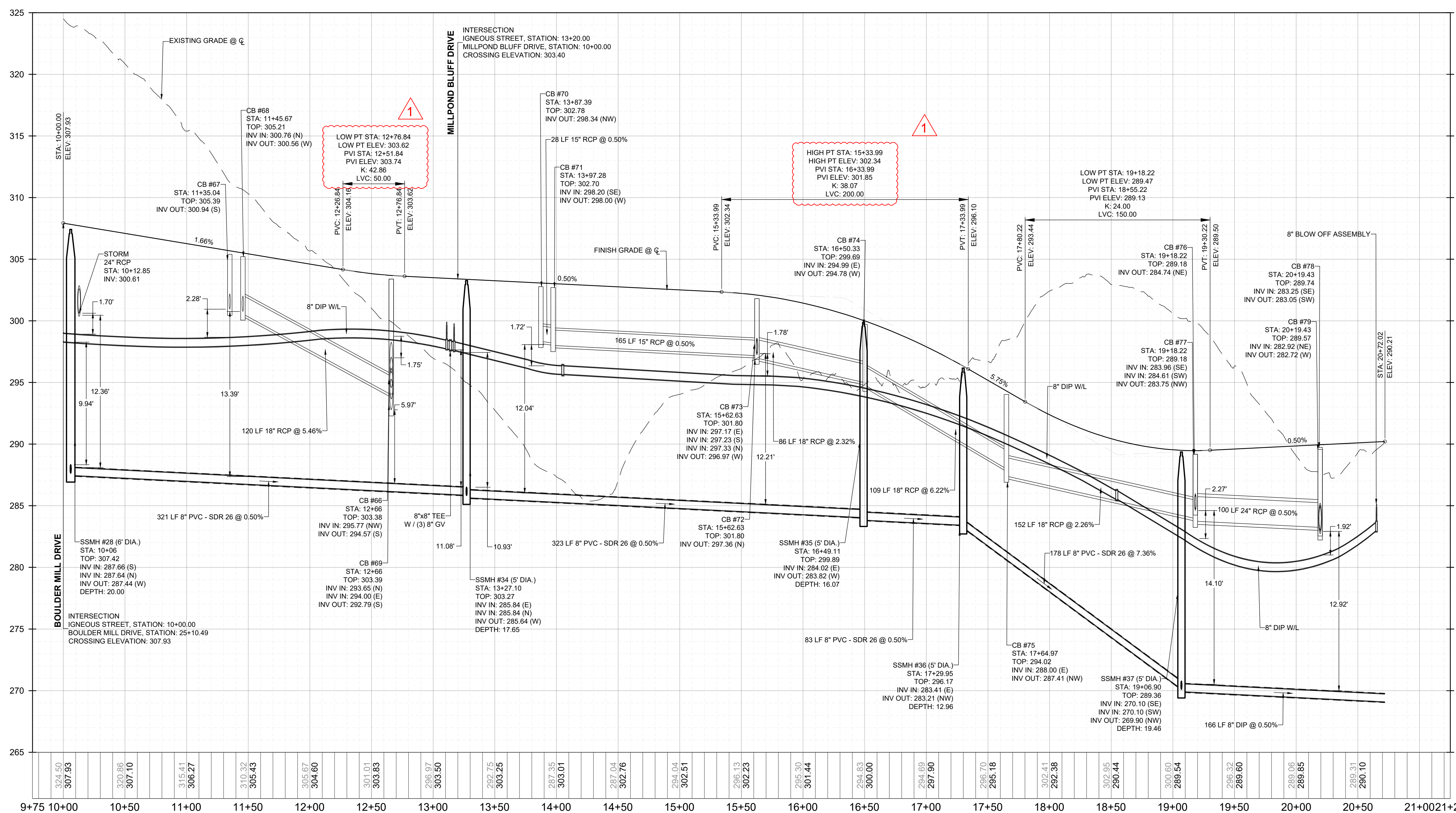
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PROPOSED PLUTON RIDGE DRIVE - PLAN & PROFILE**

DRAWING SHEET  
**C-10.5**

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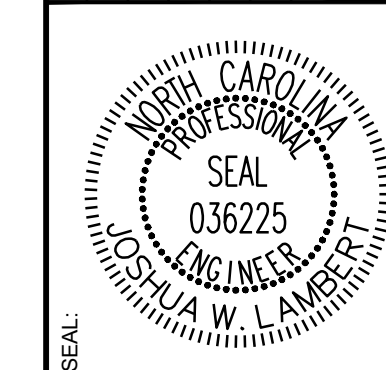
**PROPOSED IGNEOUS STREET - PLAN**  
HORIZONTAL: 1" = 50'



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

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NO.	REVISIONS	DATE	BY
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02			



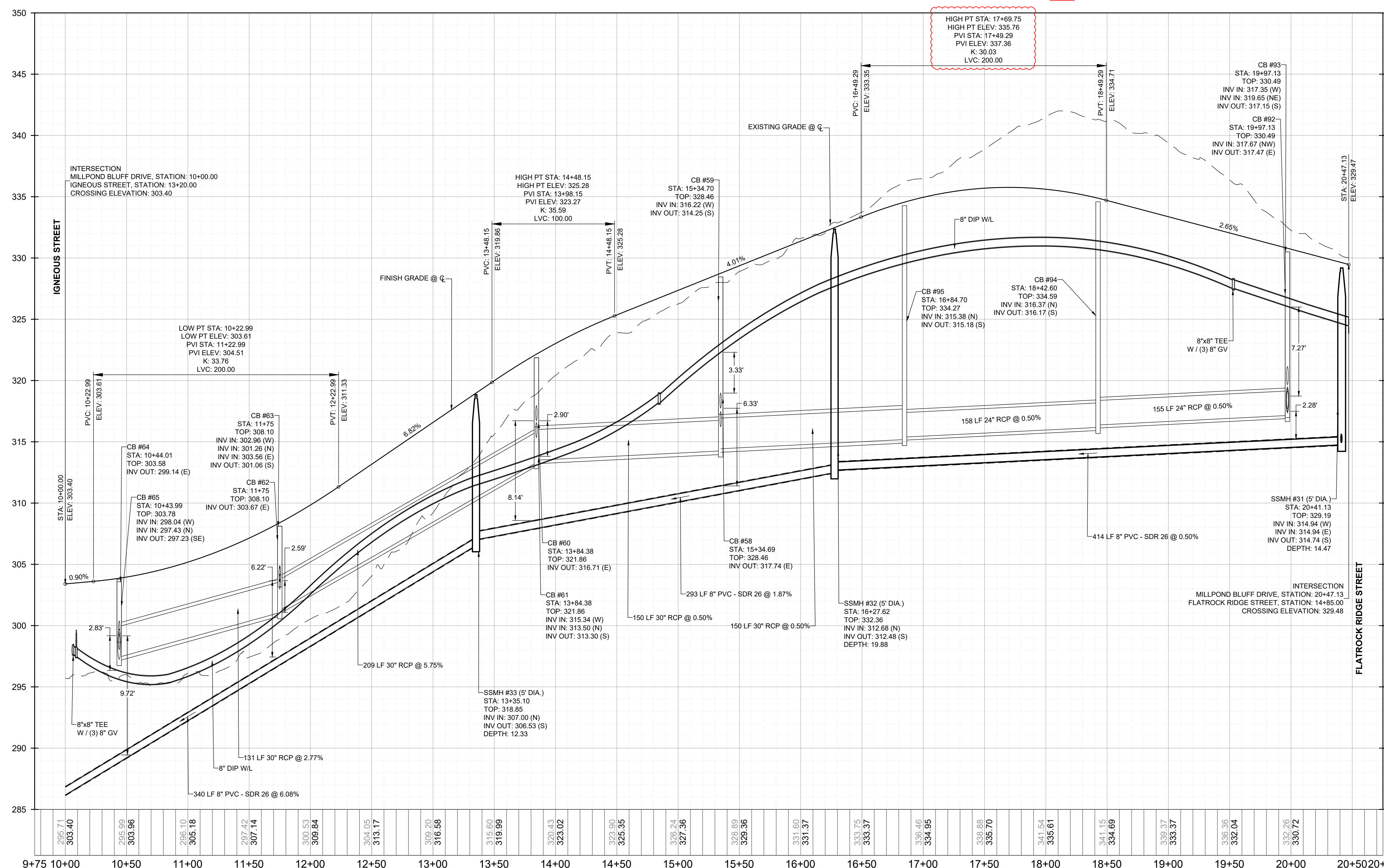
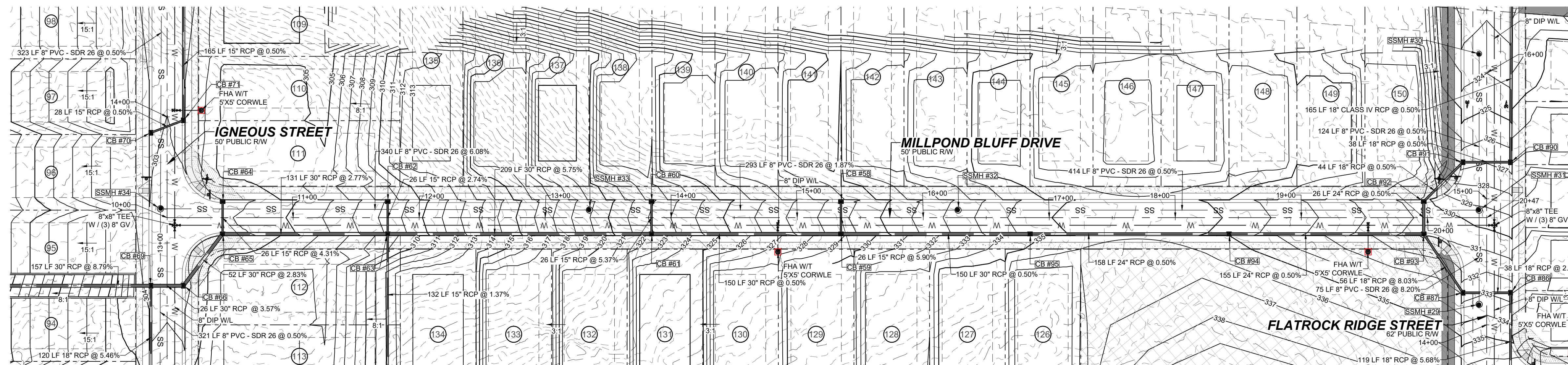
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	JWL	SRG	DRAWN BY	JWL	CHECKED BY	JWL

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

DRAWING SHEET  
**C-10.6**



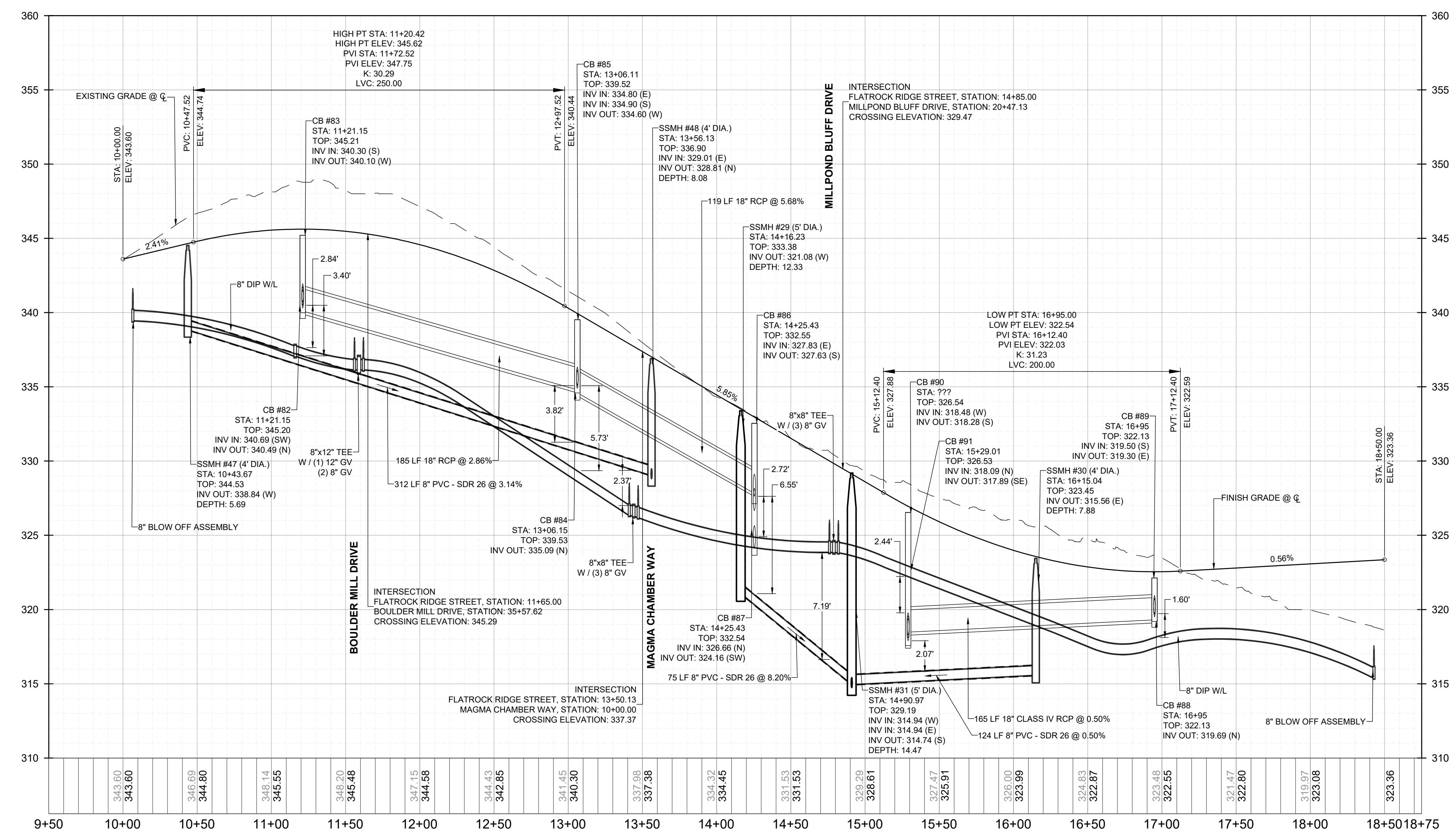
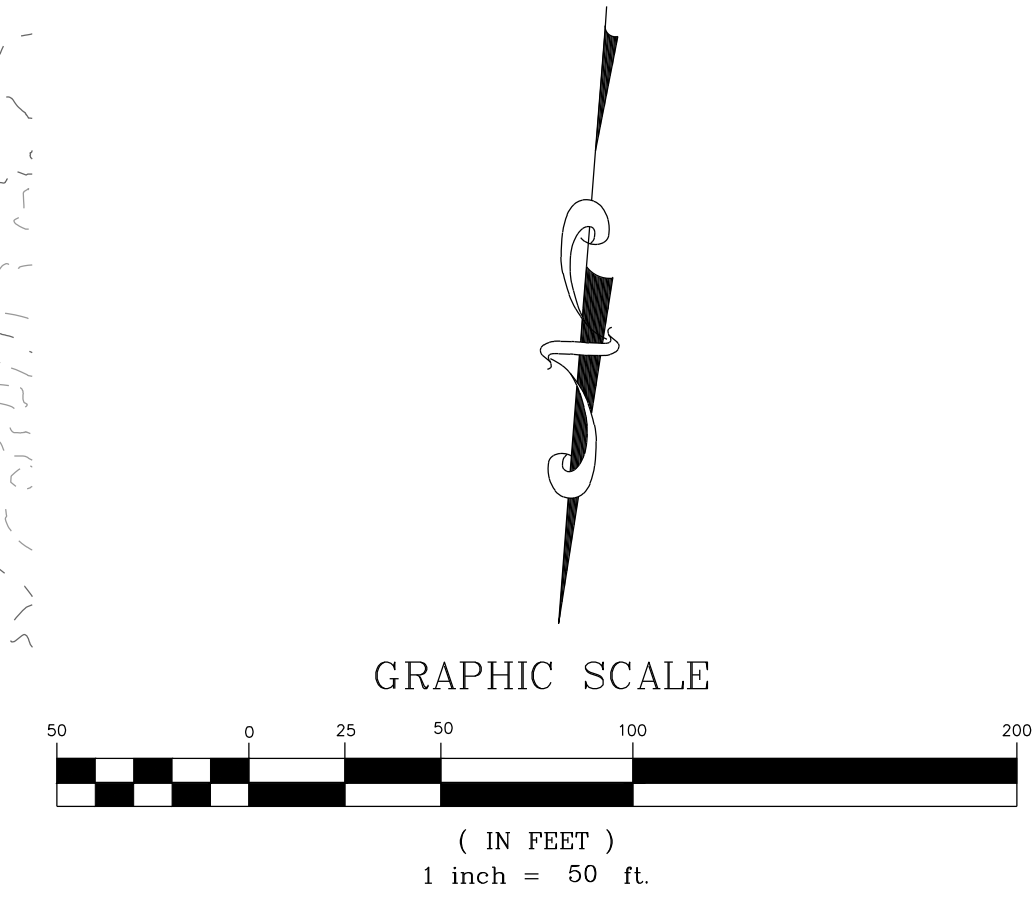
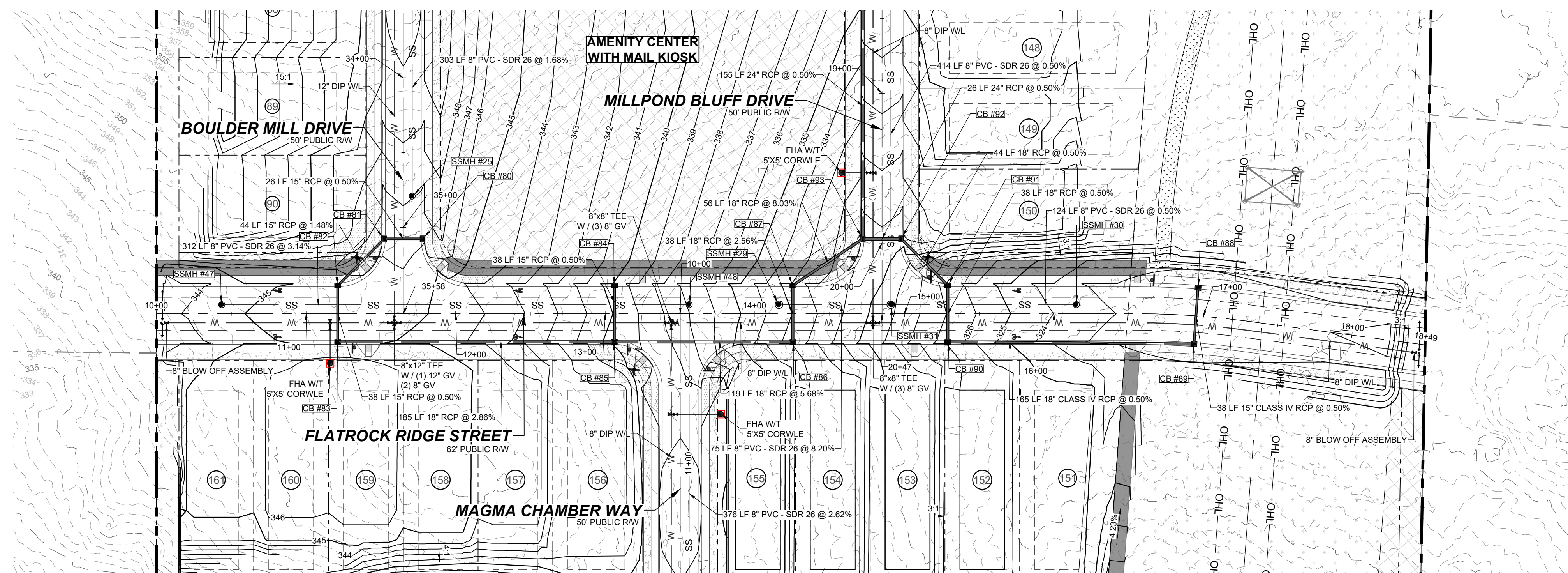
NO.	REVISIONS	DATE	BY
01			
02			

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

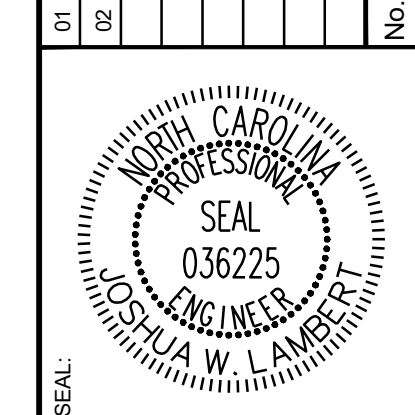
**PROPOSED MILLPOND BLUFF DRIVE - PLAN & PROFILE**

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

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NO.	REVISIONS	DATE	BY
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02			



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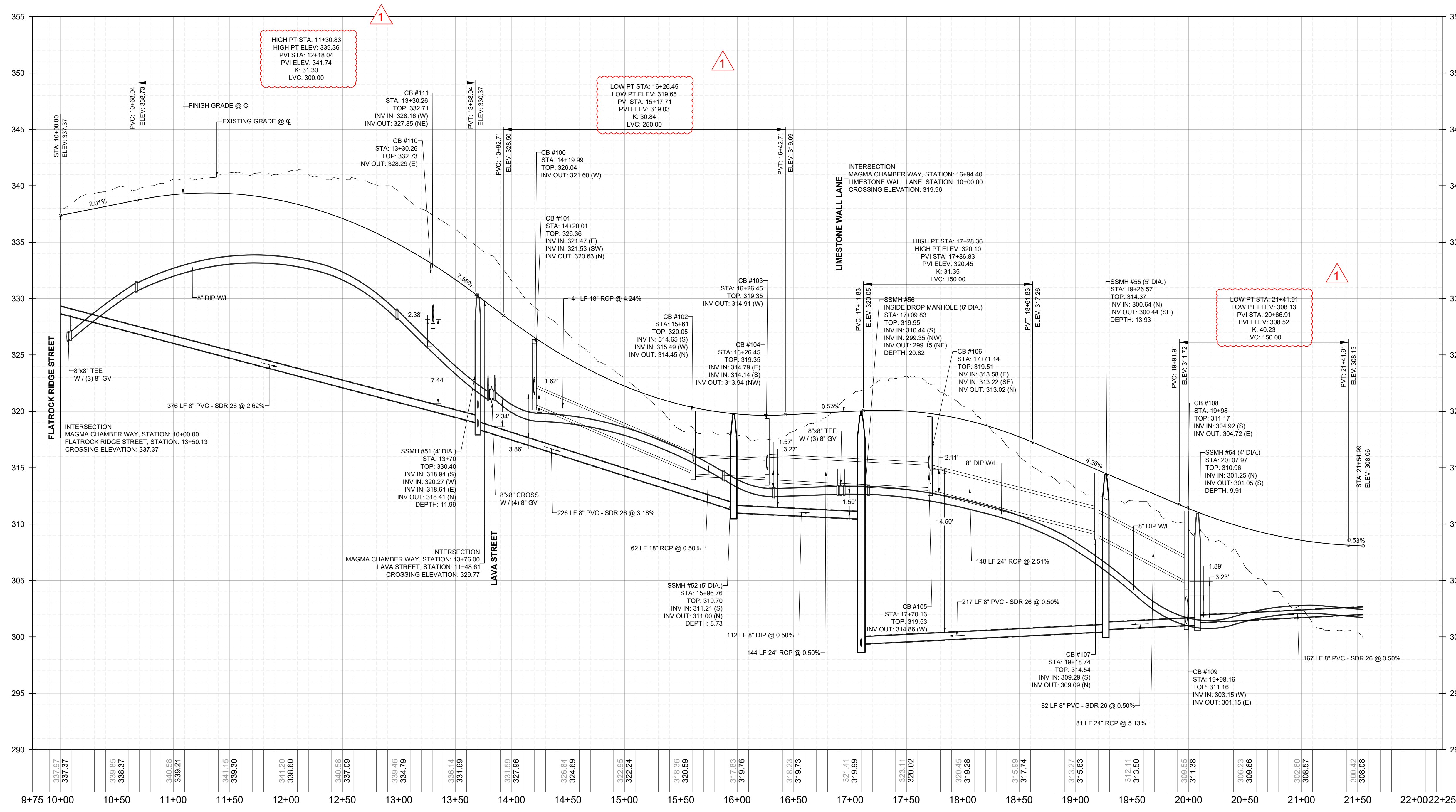
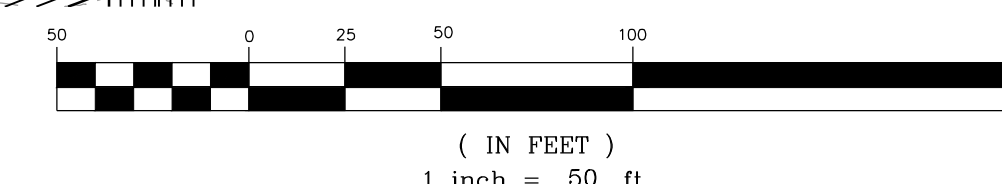
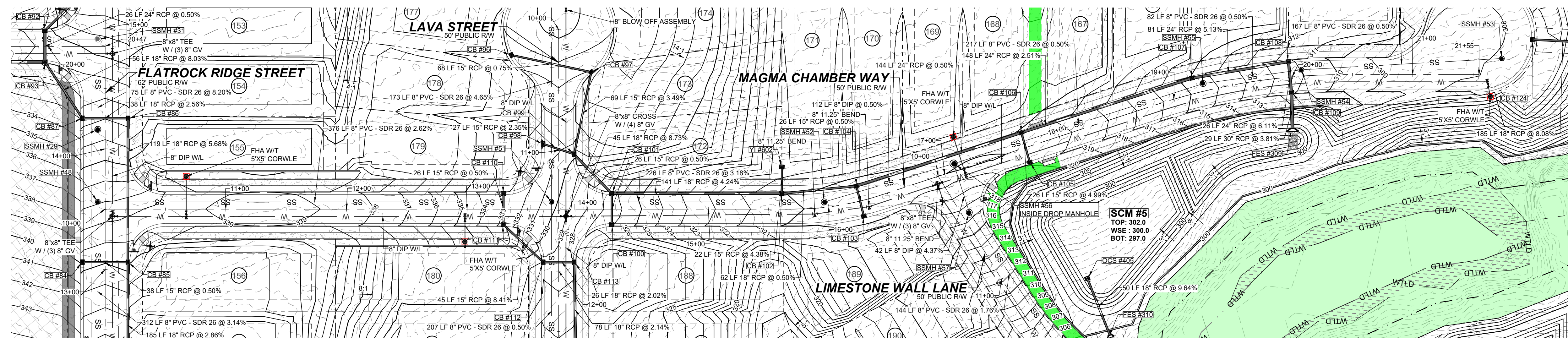
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY
			JWL	SRG	JWL

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

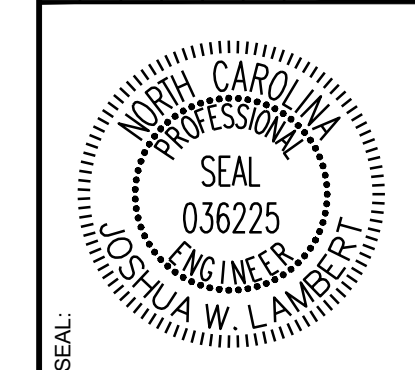
DRAWING SHEET  
**C-10.8**

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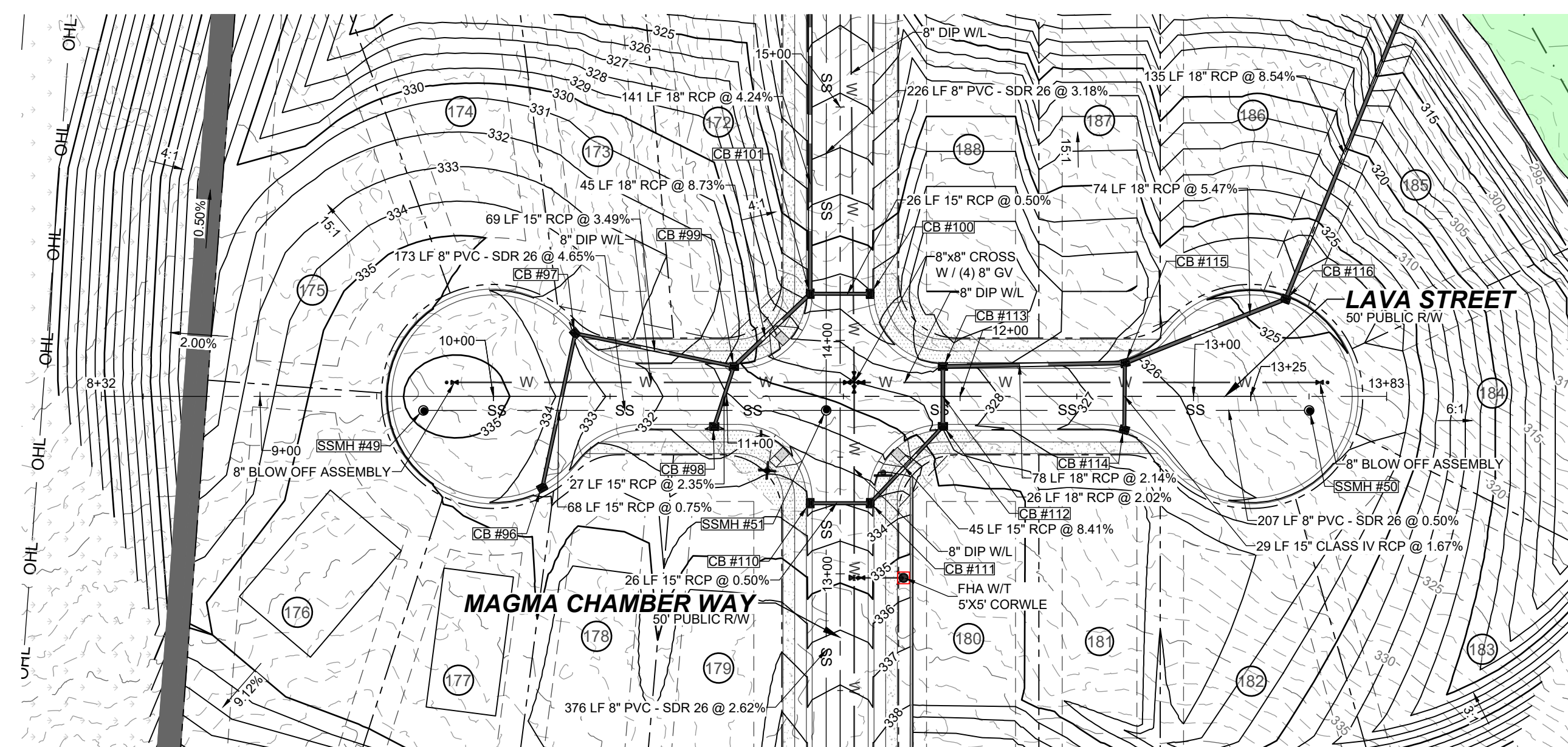
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	DESIGNED BY	JWL	SRG	DRAWN BY	JWL	CHECKED BY

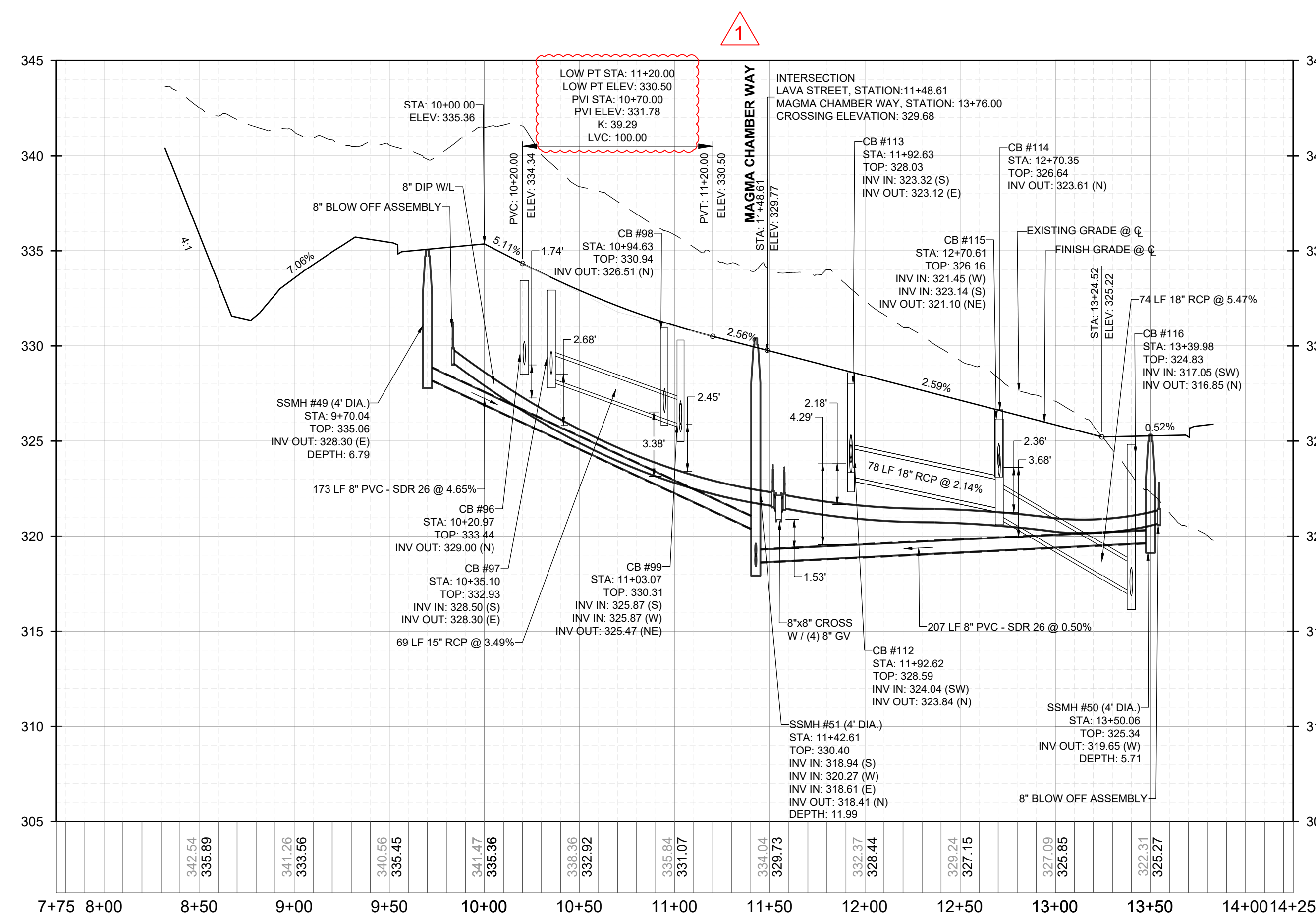
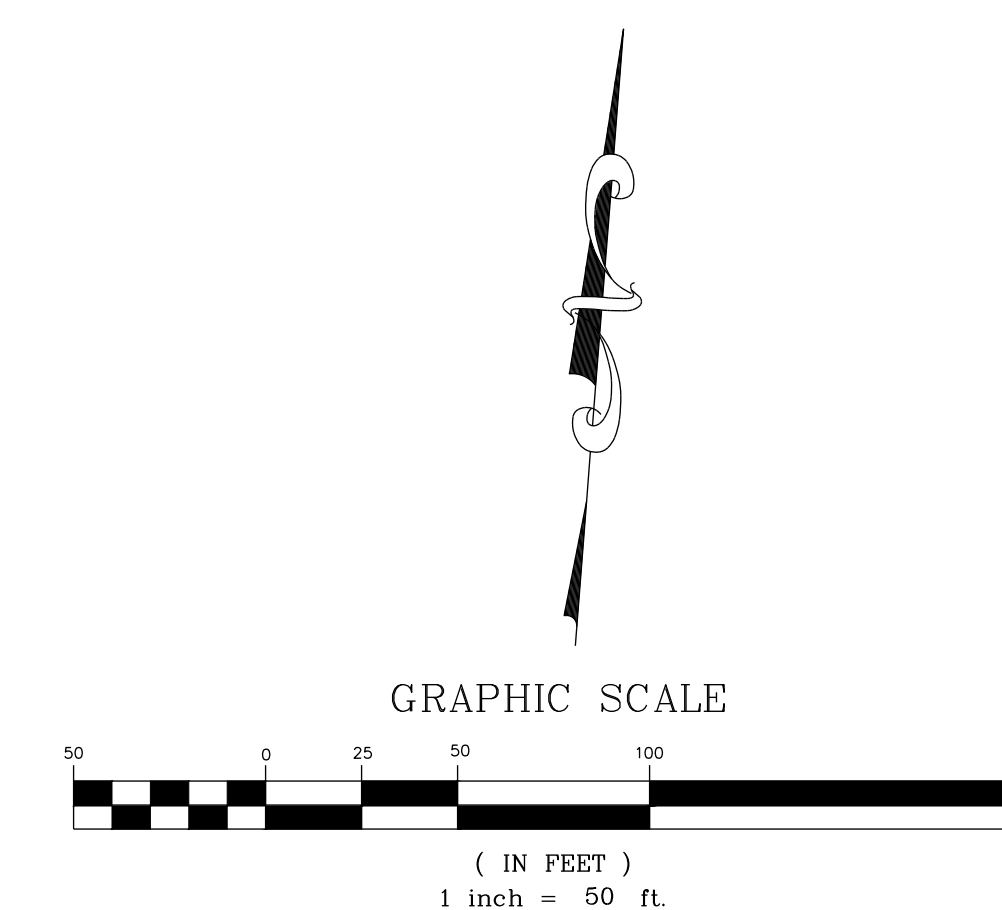
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PROPOSED MAGMA CHAMBER WAY - PLAN & PROFILE**

DRAWING SHEET  
**C-10.9**

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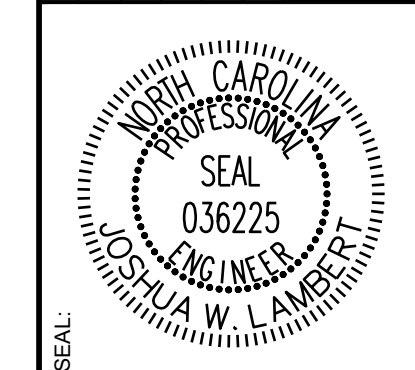


**PROPOSED LAVA STREET - PLAN**  
HORIZONTAL: 1" = 50'



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

NO.	REVISIONS	DATE	BY
01			
02			



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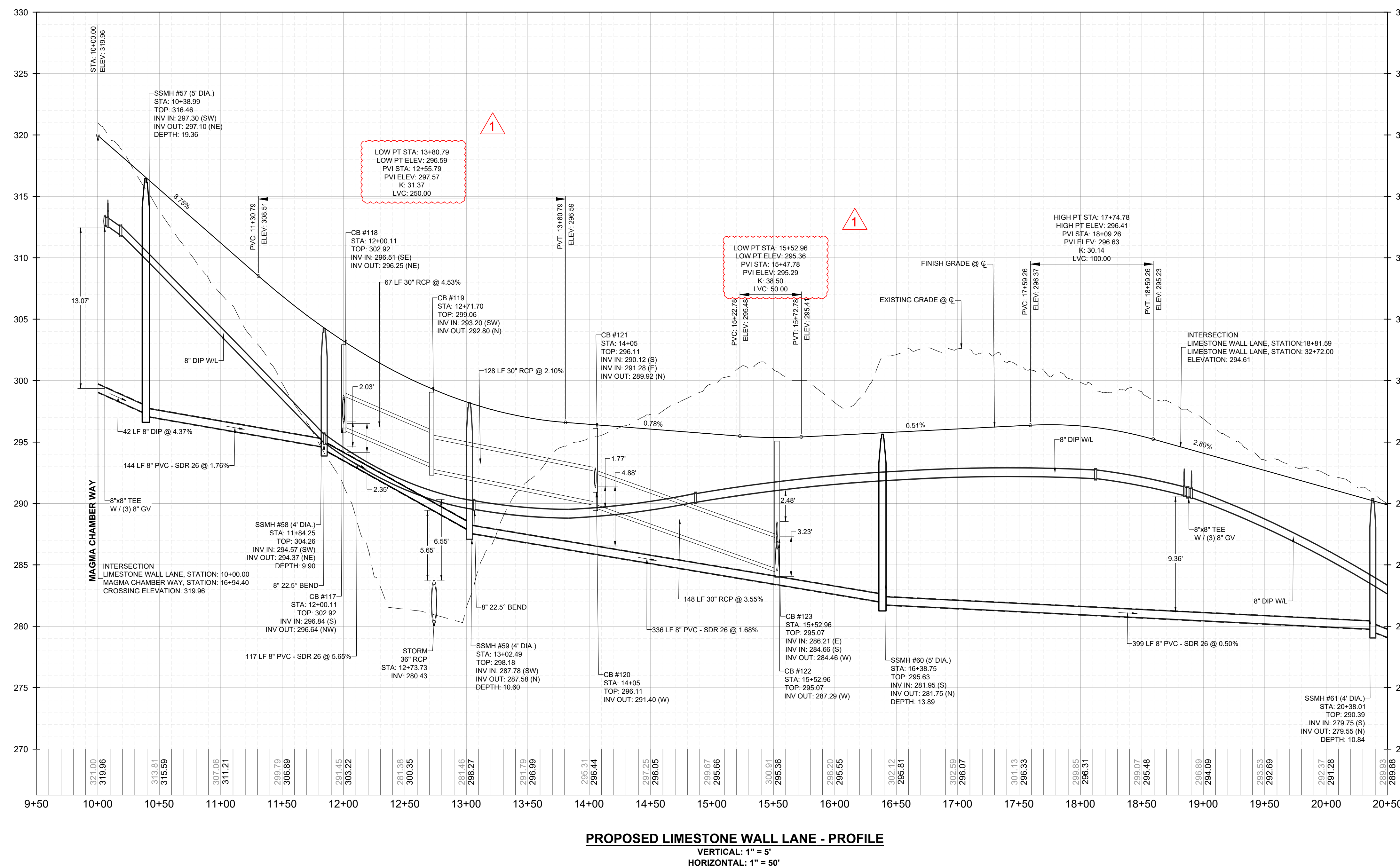
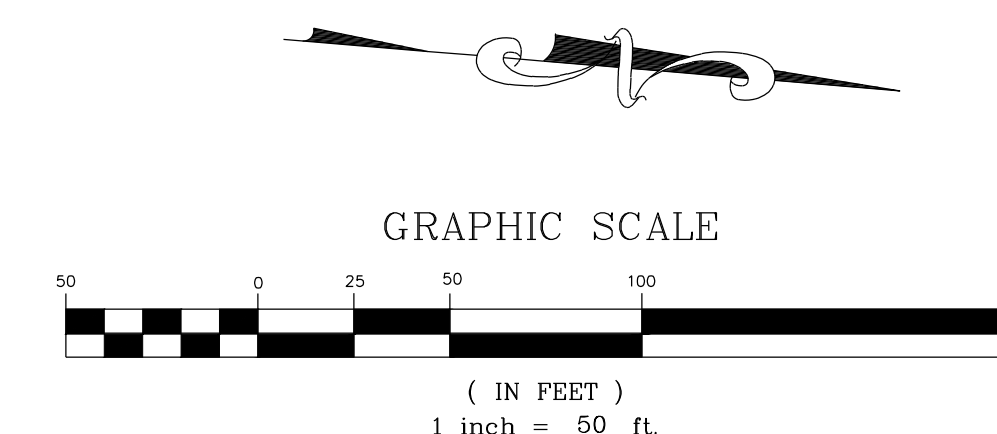
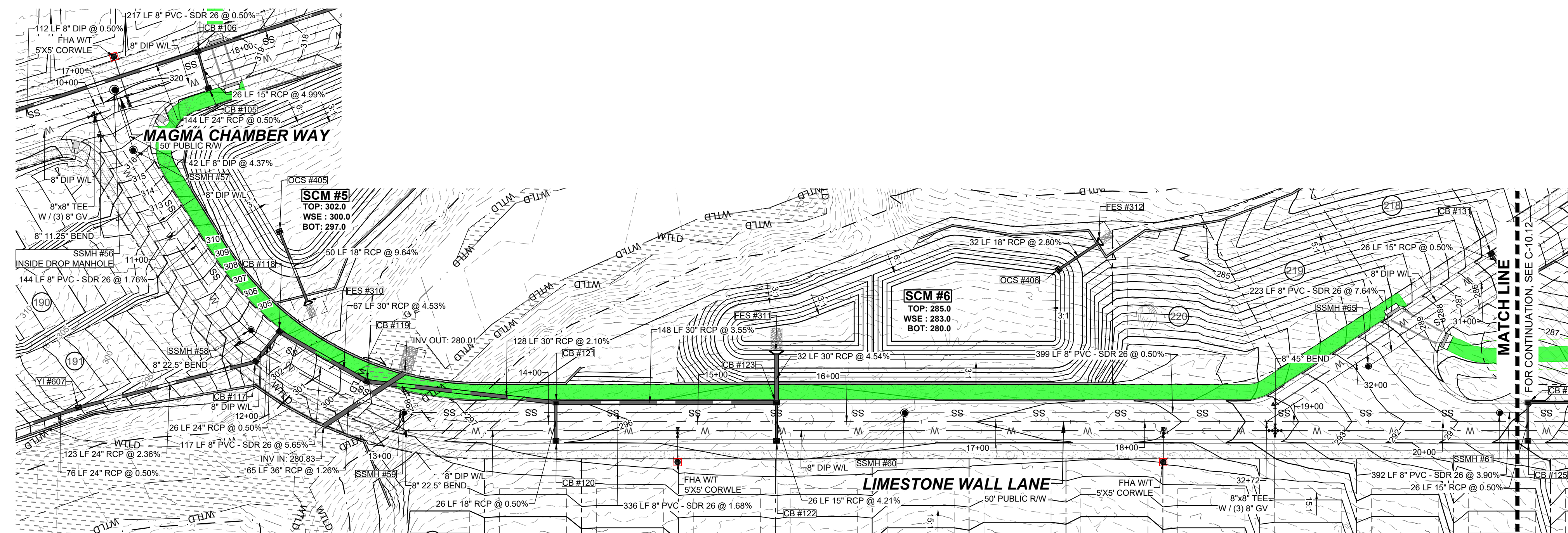
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
			JWL	SRG	JWL

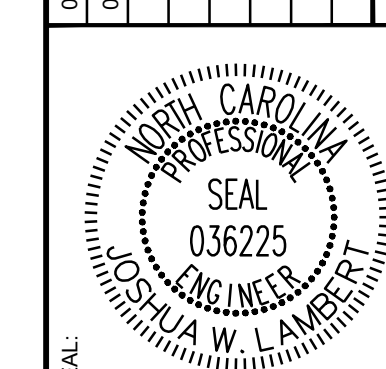
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PROPOSED LAVA STREET - PLAN & PROFILE**

DRAWING SHEET  
**C-10.10**

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NO.	REVISIONS	DATE	BY
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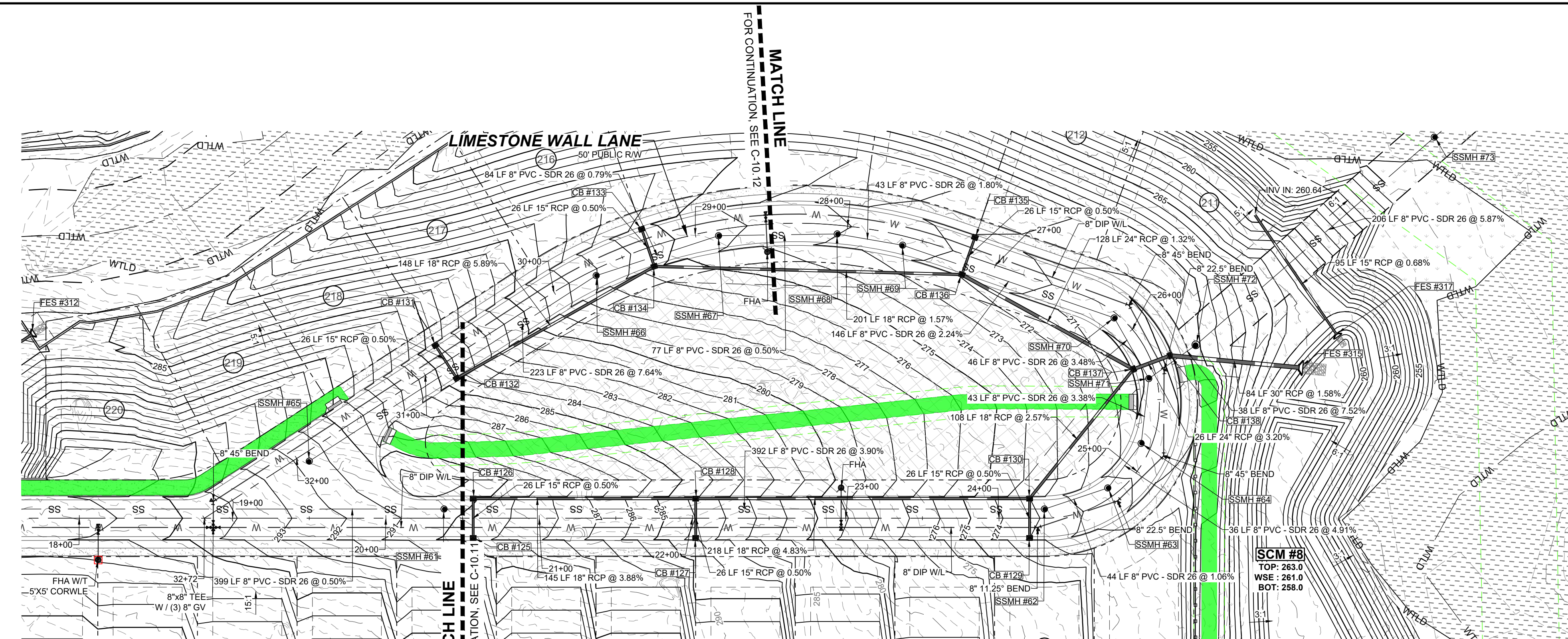
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	JWL	SRG	JWL

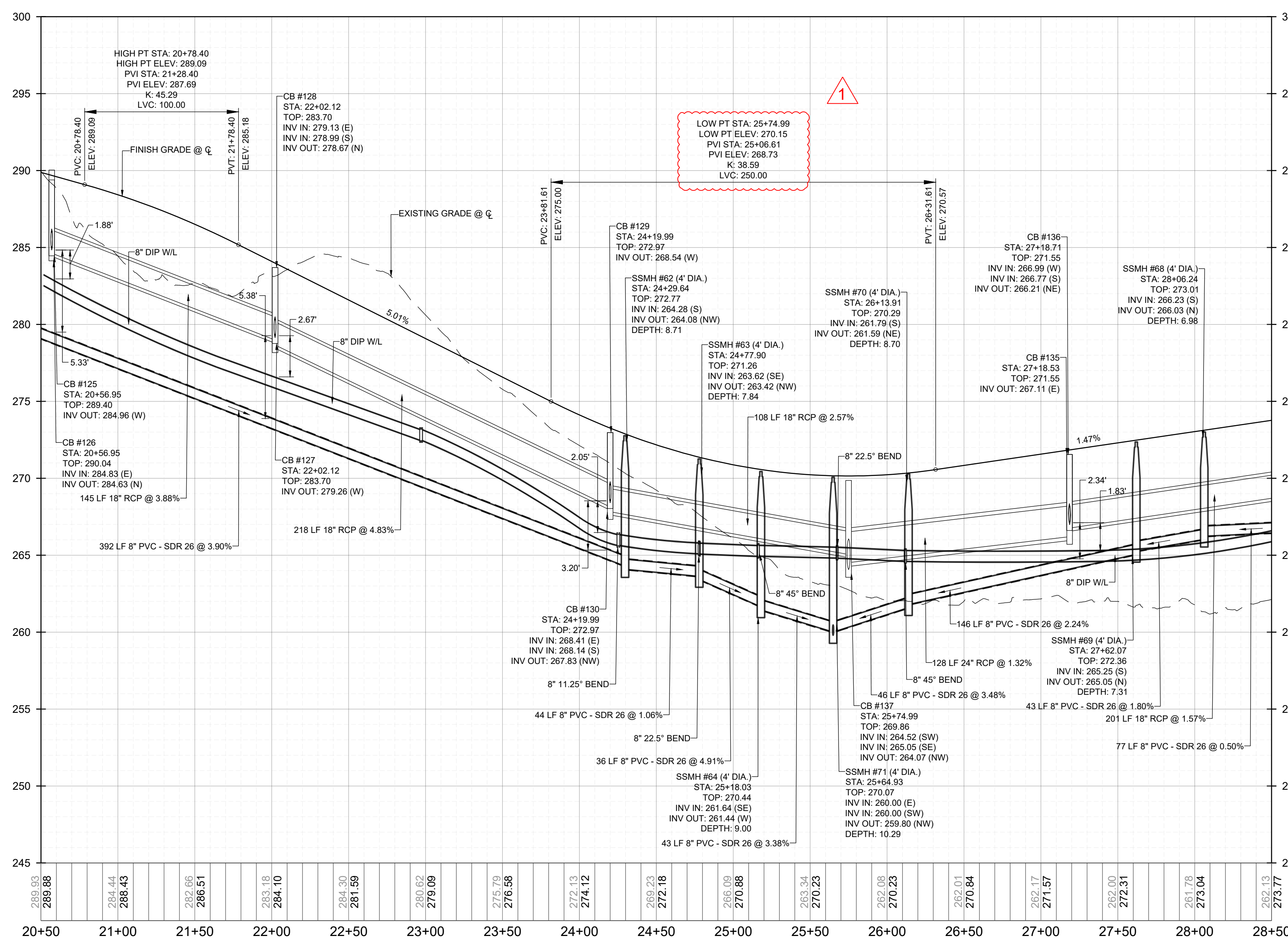
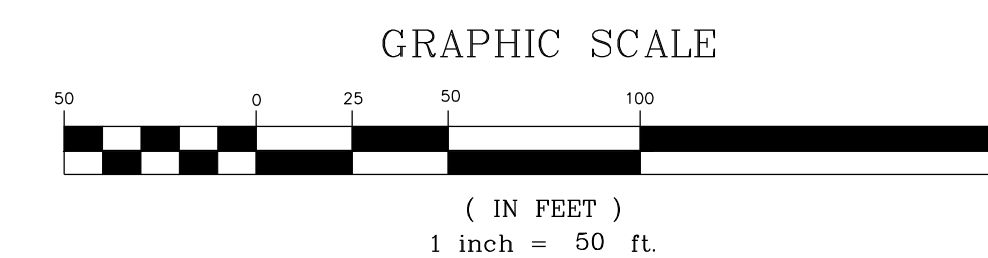
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PROPOSED LIMESTONE WALL LANE - PLAN & PROFILE**

DRAWING SHEET  
**C-10.11**  
80 OF 129

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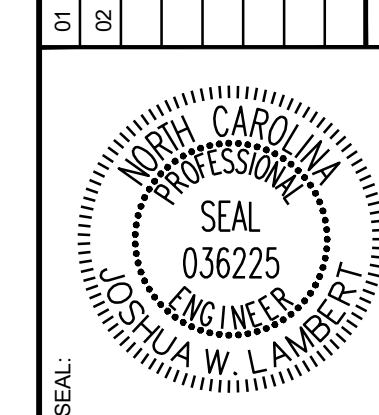


PROPOSED LIMESTONE WALL LANE - PLAN  
HORIZONTAL: 1" = 50'



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

Table with columns for REVISIONS, DATE, and BY. Includes a small table for project location: TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA.



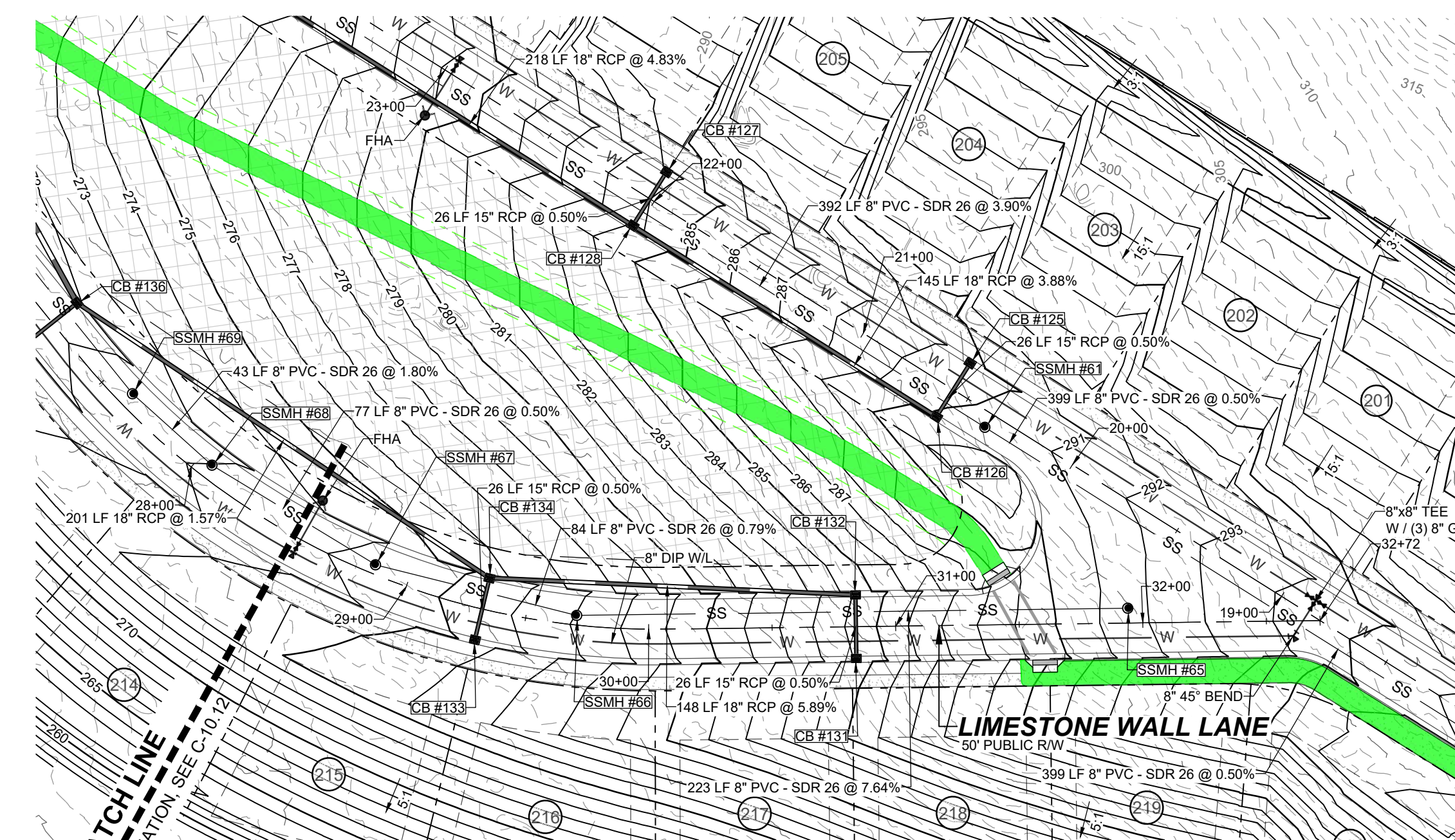
STRONGROCK ENGINEERING GROUP logo and contact information: STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166 | 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

Table with columns: STRONG ROCK PROJECT, NOT FOR CONSTRUCTION, SCALE, AS SHOWN, DESIGNED BY, DRAWN BY, CHECKED BY, JWL, SRG, JWL.

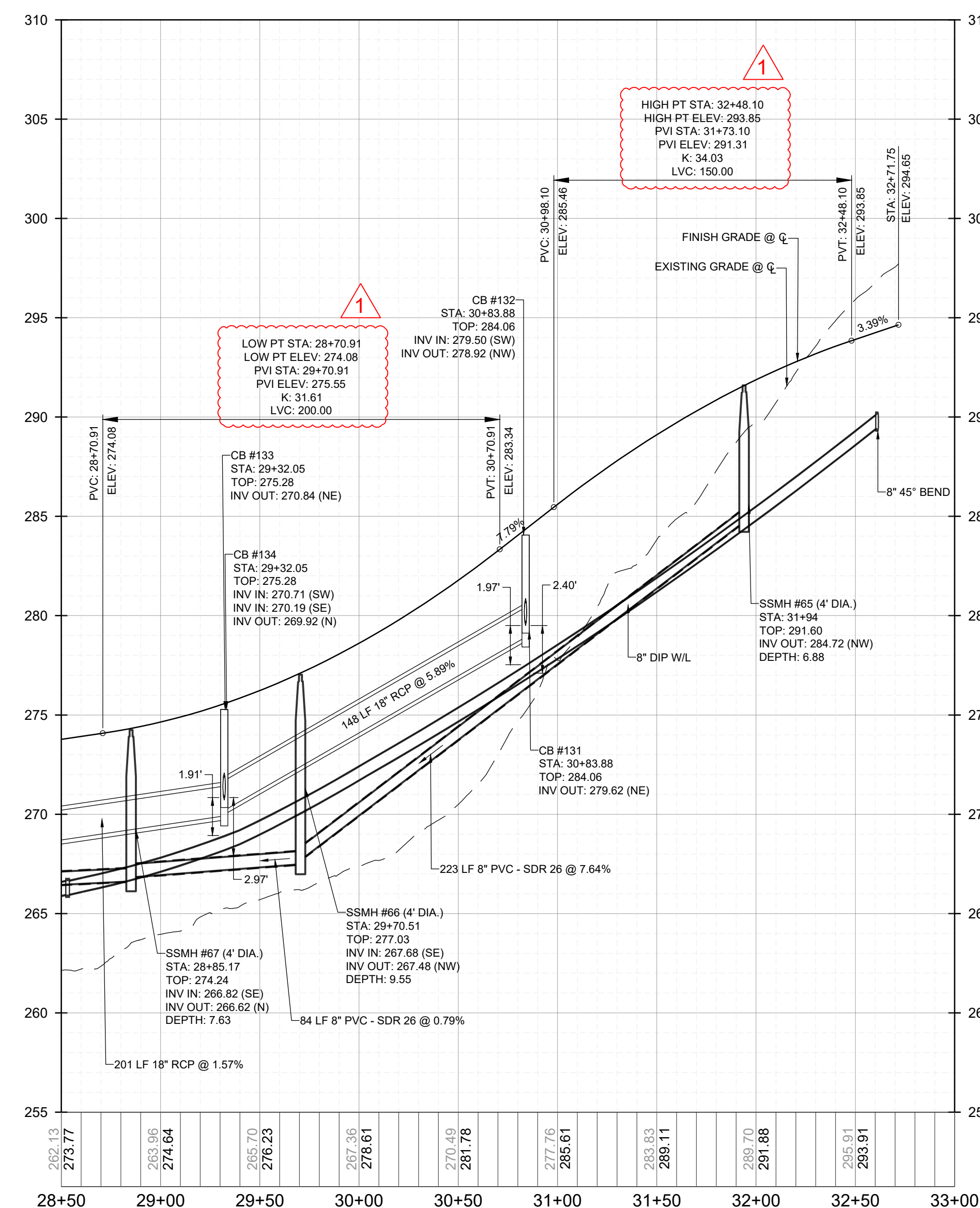
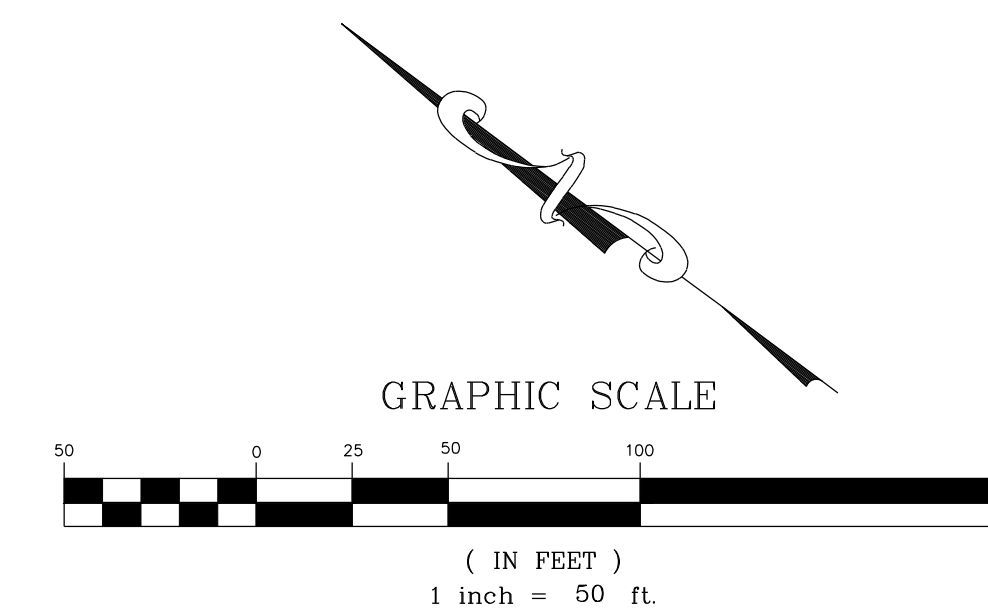
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PROPOSED LIMESTONE WALL LANE -  
PLAN & PROFILE

DRAWING SHEET  
C-10.12

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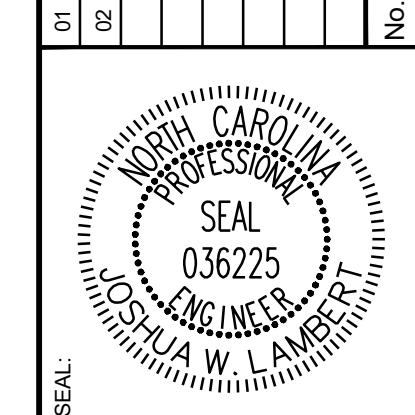


**PROPOSED LIMESTONE WALL LANE - PLAN**  
HORIZONTAL: 1" = 50'



**PROPOSED LIMESTONE WALL LANE - PROFILE**  
VERTICAL: 1" = 5'  
HORIZONTAL: 1" = 50'

NO.	DATE	REVISIONS
01		
02		



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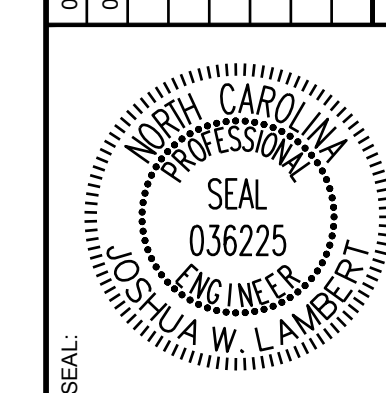
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
		AS SHOWN	JWL	SRG	JWL

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

DRAWING SHEET  
**C-10.13**

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NO.	REVISIONS	DATE	BY
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02			

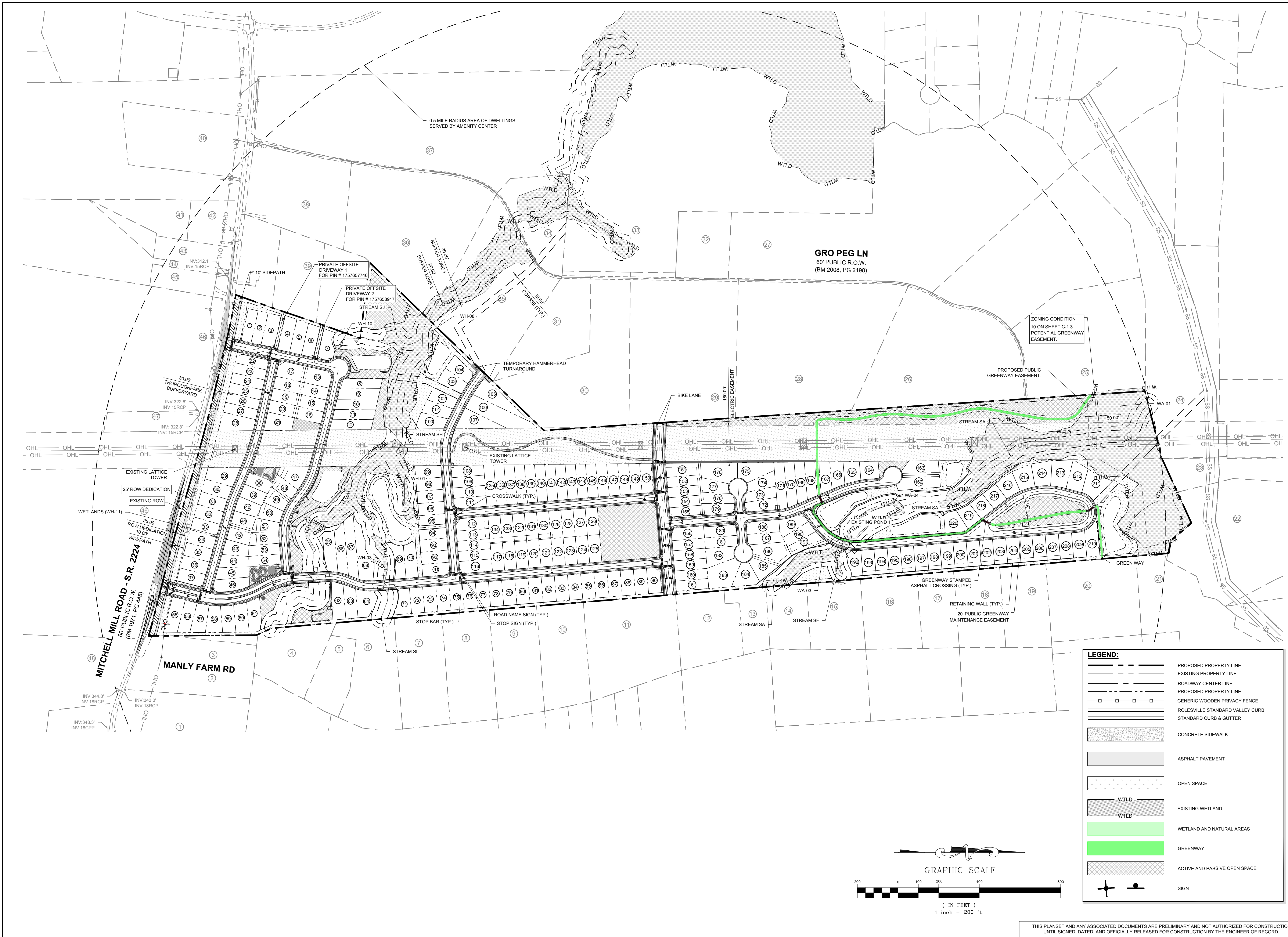


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 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

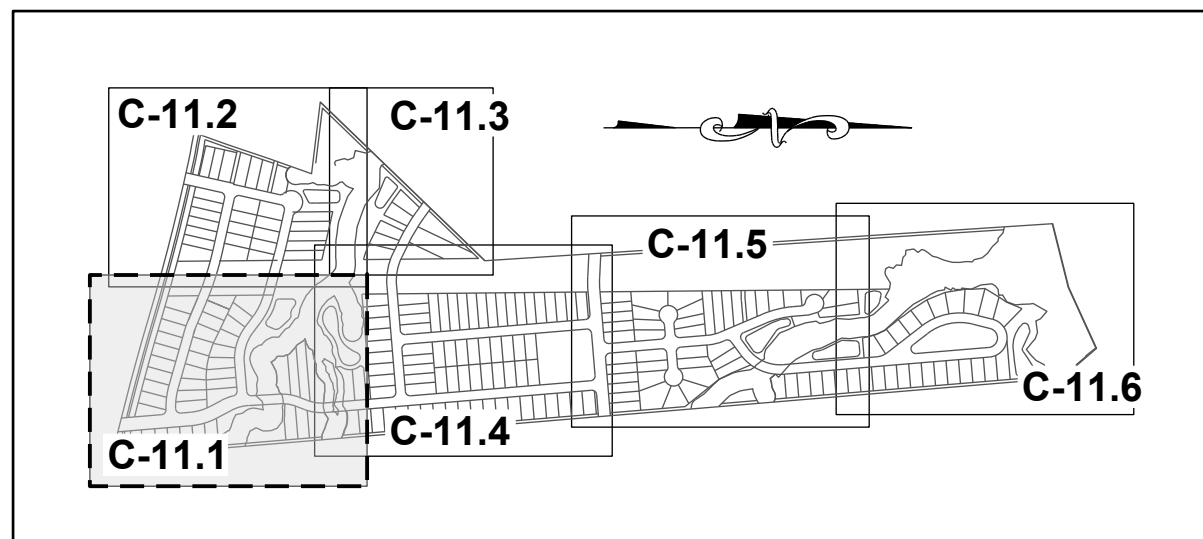
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY
			JWL	SRG	JWL

**HILLS AT HARRIS CREEK**  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**OVERALL SIGNAGE & STRIPING PLAN**

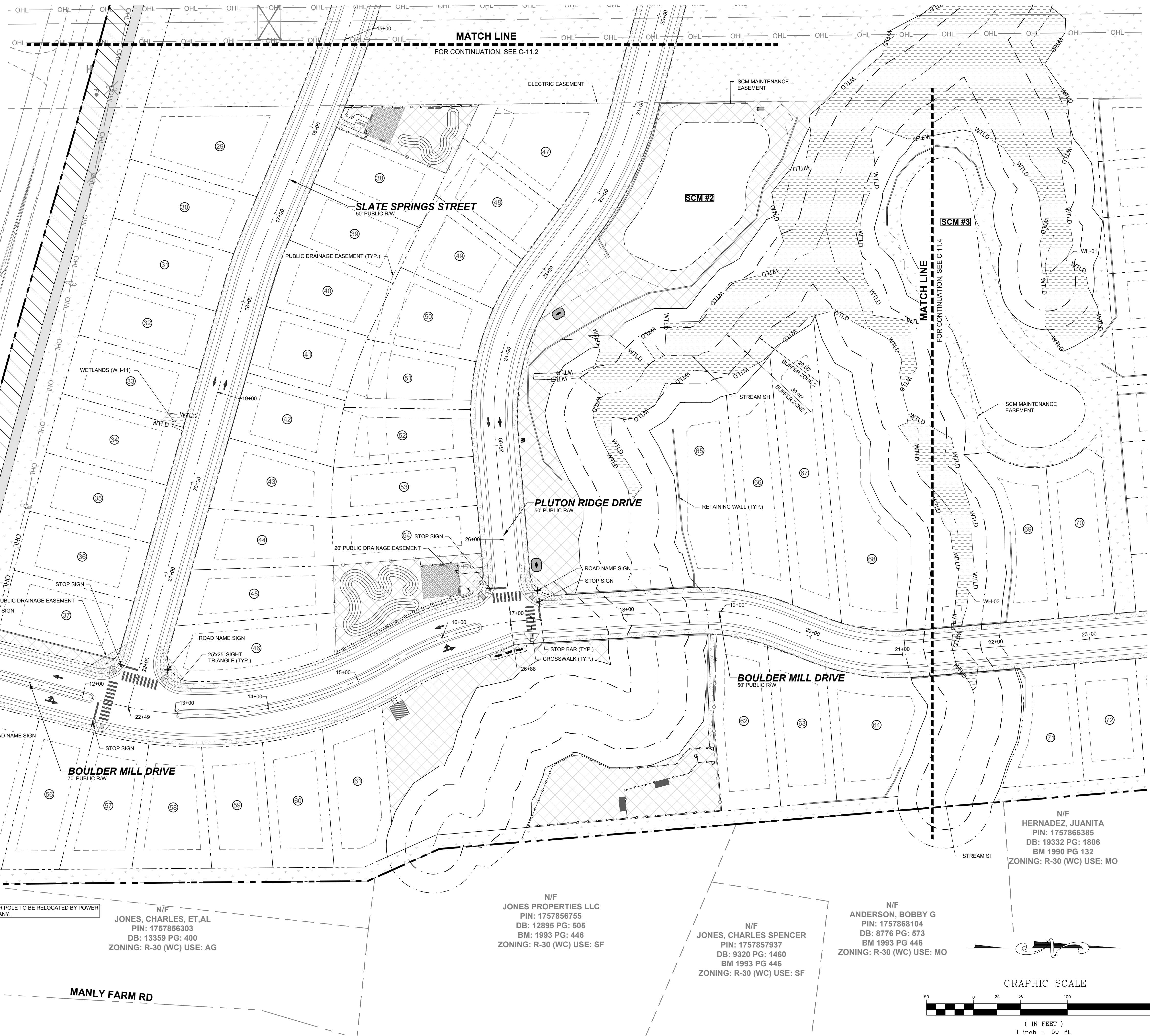
DRAWING SHEET  
**C-11.0**



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**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET C-11.0 FOR LEGEND.



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

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

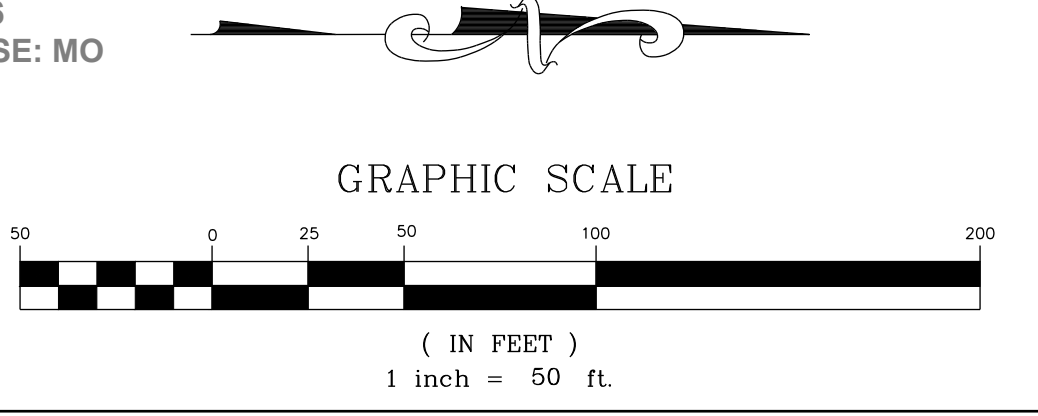
N/F  
JONES, CHARLES, ET.AL  
PIN: 1757856303  
DB: 13359 PG: 400  
ZONING: R-30 (WC) USE: AG

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

N/F  
JONES, CHARLES SPENCER  
PIN: 1757857937  
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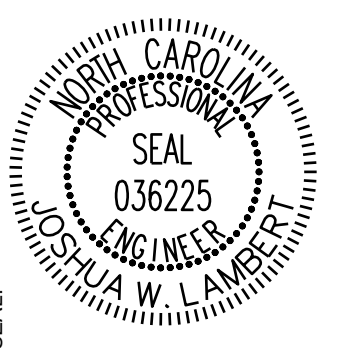
N/F  
ANDERSON, BOBBY G  
PIN: 1757868104  
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BM 1993 PG 446  
ZONING: R-30 (WC) USE: MO

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



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NO.	REVISIONS	DATE	BY
01			
02			



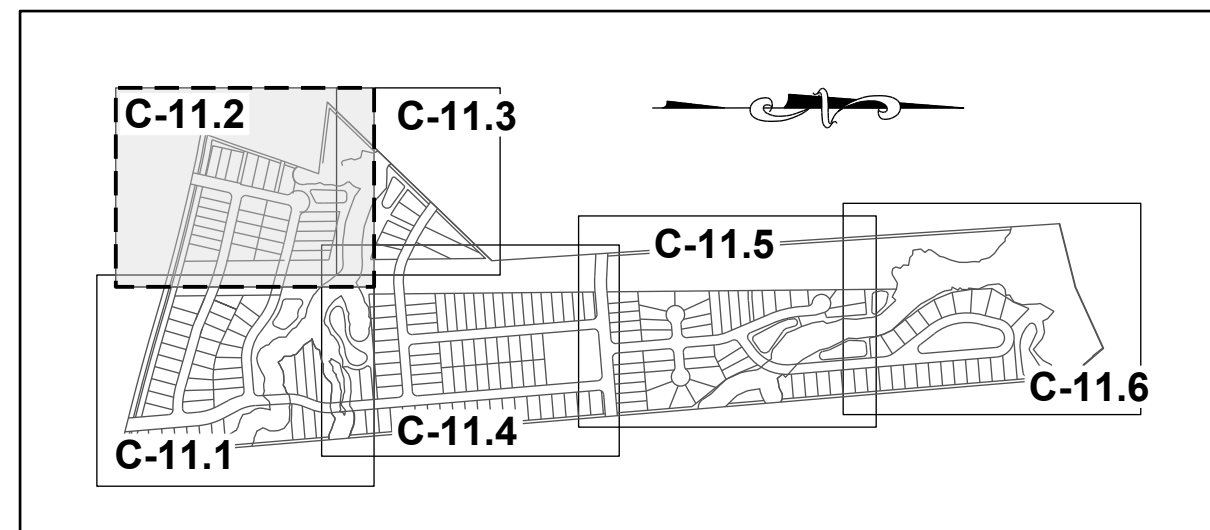
**STRONGROCK**  
ENGINEERING GROUP

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

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

HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
SIGNAGE & STRIPING PLAN I

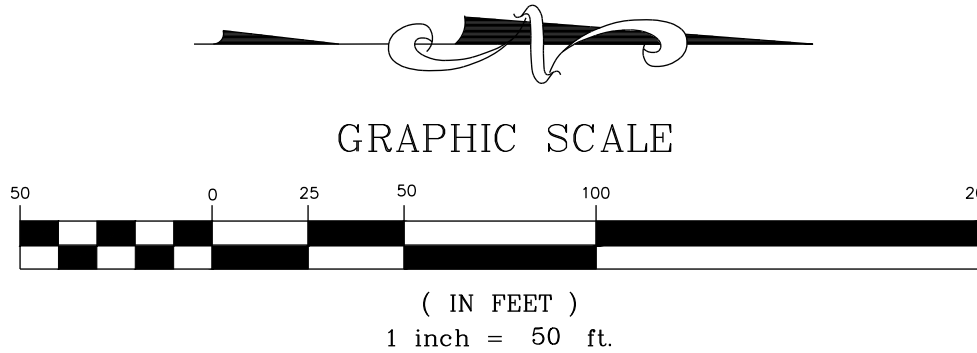
DRAWING SHEET  
C-11.1



**SITE KEY PLAN**

**LEGEND:**

SEE SHEET C-11.0 FOR LEGEND.



GRAPHIC SCALE

( IN FEET )  
1 inch = 50 ft.

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

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

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

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

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

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

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

PLUTON RIDGE DRIVE  
60' PUBLIC R.W.  
ROAD NAME SIGN  
20' PUBLIC DRAINAGE EASEMENT  
CROSSWALK (TYP.)

SLATE SPRINGS STREET  
50' PUBLIC R.W.

PLUTON RIDGE DRIVE  
50' PUBLIC R.W.

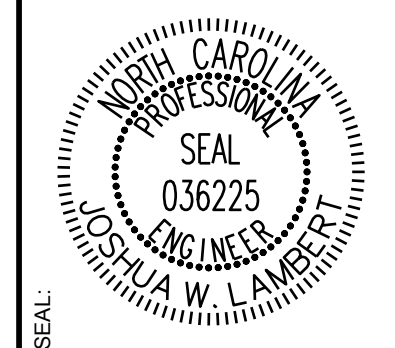
DISTANCE FROM TOWER  
TO BACK OF CURB = 50'  
DISTANCE FROM TOWER  
TO SIDEWALK = 40'

EXISTING LATTICE TOWER  
POWER COMPANY TO PROVIDE  
NECESSARY SAFETY MEASURES

MATCH LINE  
FOR CONTINUATION, SEE C-11.1

MATCH LINE  
FOR CONTINUATION, SEE C-11.3

NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

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

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

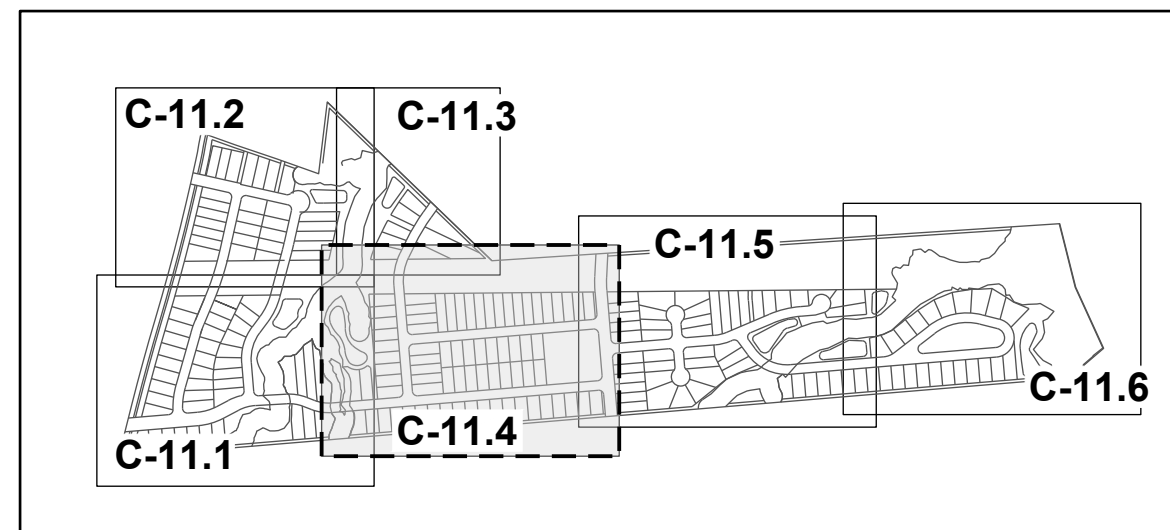
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
SIGNAGE & STRIPING PLAN II

DRAWING SHEET  
**C-11.2**

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**SITE KEY PLAN**

**LEGEND:**

SEE SHEET C-11.0 FOR LEGEND.



#6 - Please include speed limit signage

#5 - Please be aware the Town of Rolesville does not require stop conditions for every midblock crossing. If there is a midblock crossing without a stop condition, the appropriate signage will be needed to warn drivers of a pedestrian crossing.

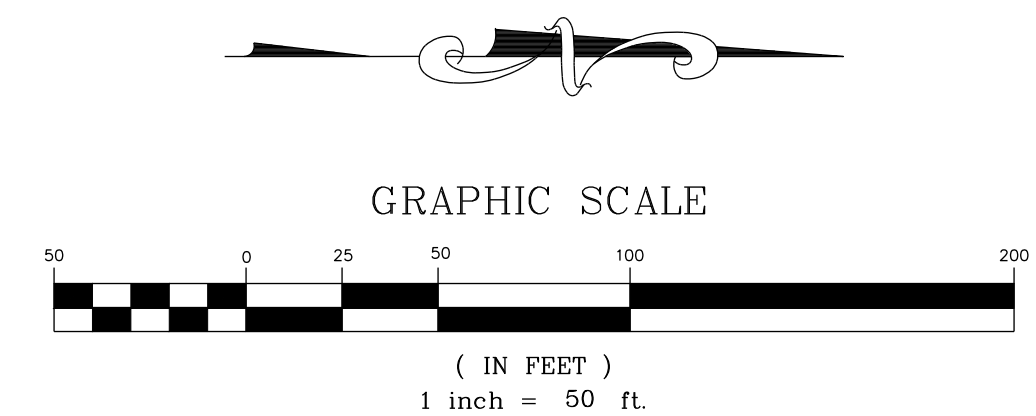
N/F  
HERNADEZ, JUANITA  
PIN: 1757866385  
DB: 19332 PG: 1806  
BM 1990 PG 132  
ZONING: R-30 (WC) USE: MO

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

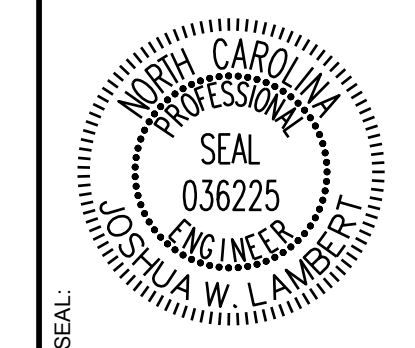
N/F  
LEFRANCOIS CONSTRUCTION CO INC  
PIN: 1757866852  
DB: 18468 PG: 2535  
BM 2002 PG 352  
ZONING: R-30 (WC) USE: VA

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

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



NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

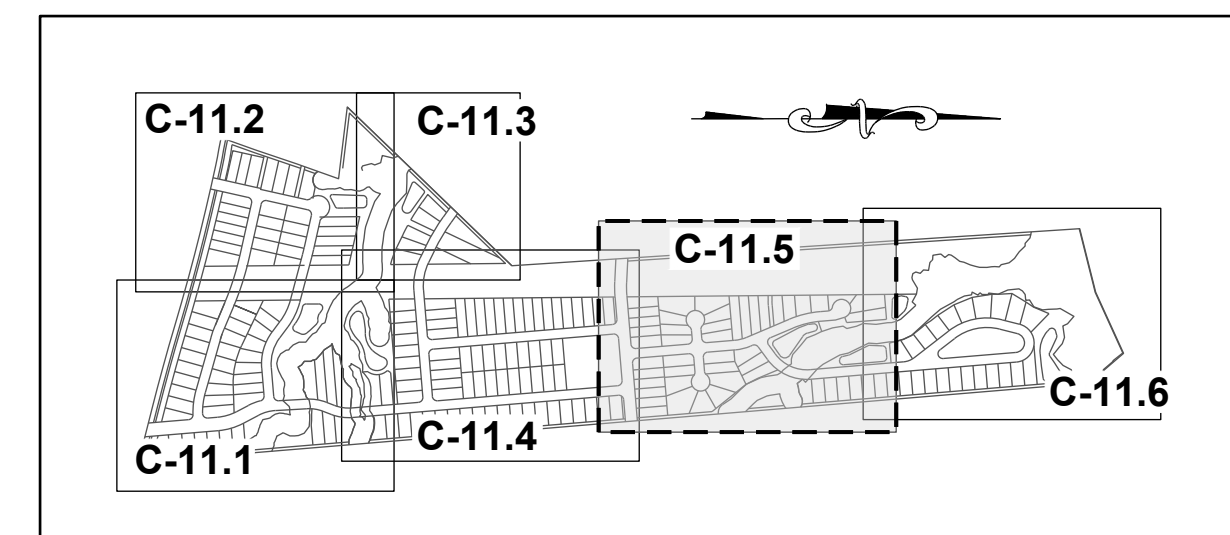
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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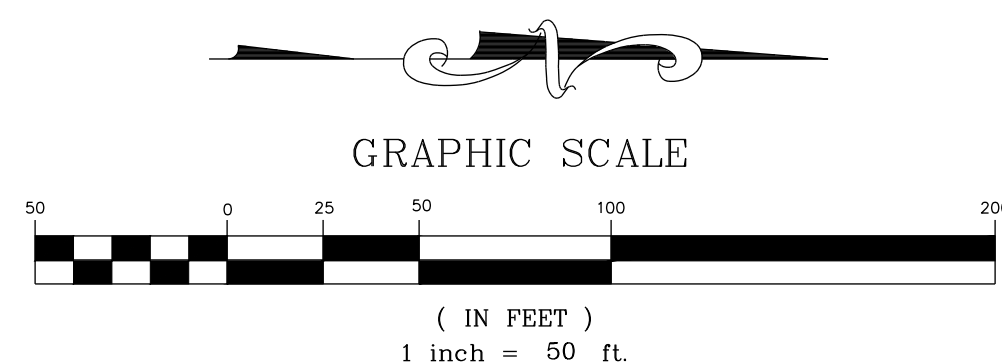
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
SIGNAGE & STRIPING PLAN IV

DRAWING SHEET  
**C-11.4**

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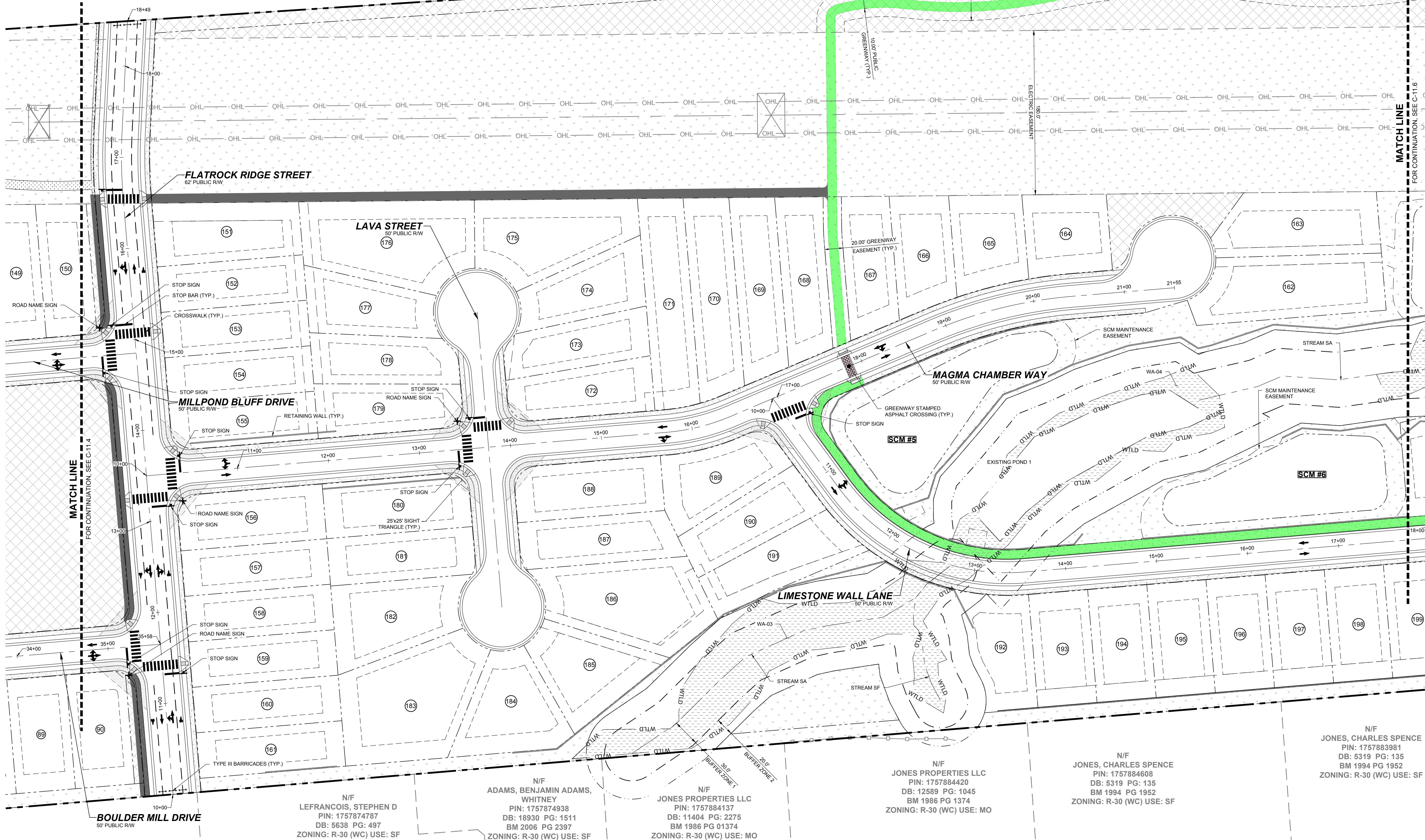
SITE KEY PLAN



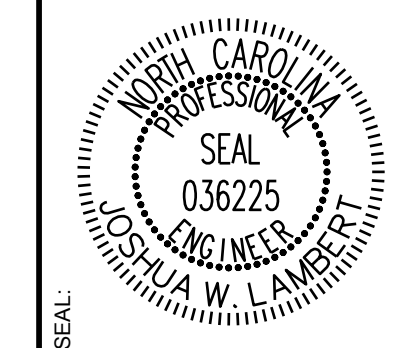
LEGEND: SEE SHEET C-11.0 FOR LEGEND.

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

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



NO.	REVISIONS	DATE	BY
01			
02			



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ENGINEERING GROUP

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

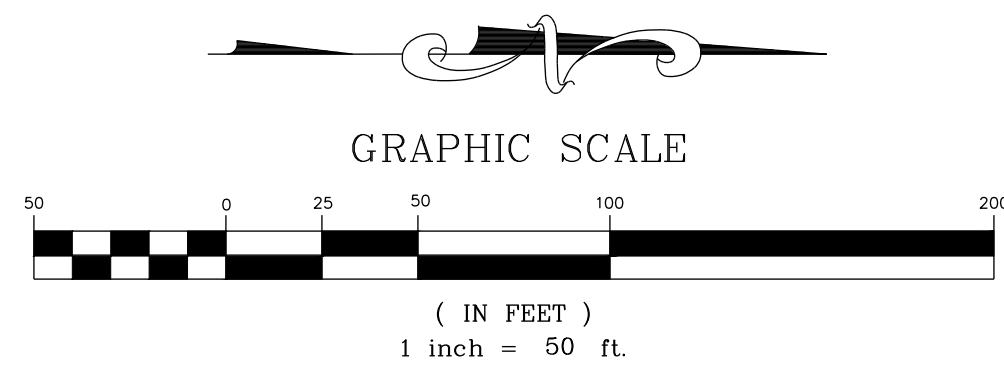
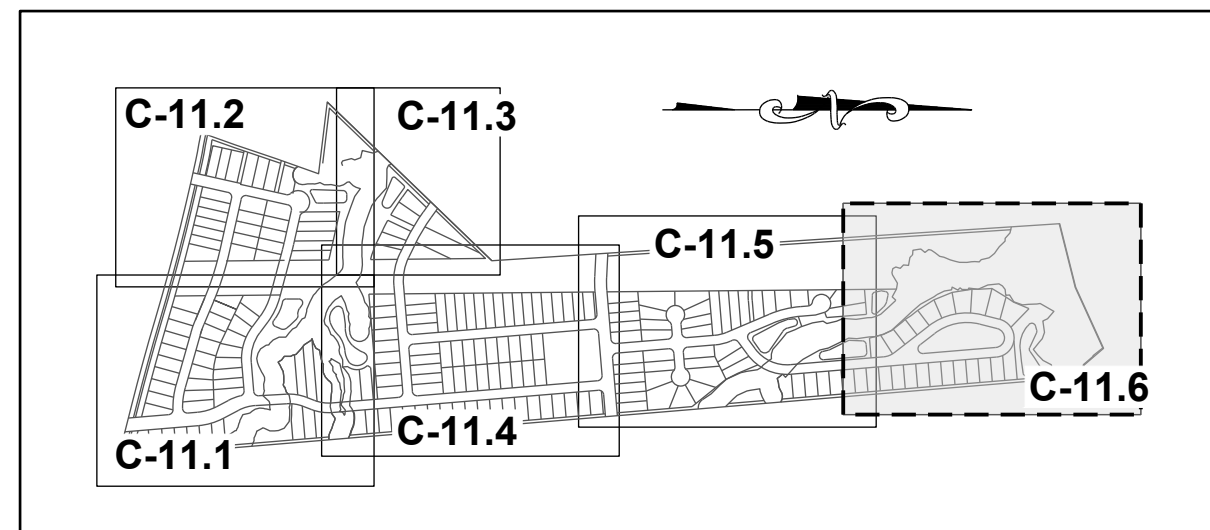
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

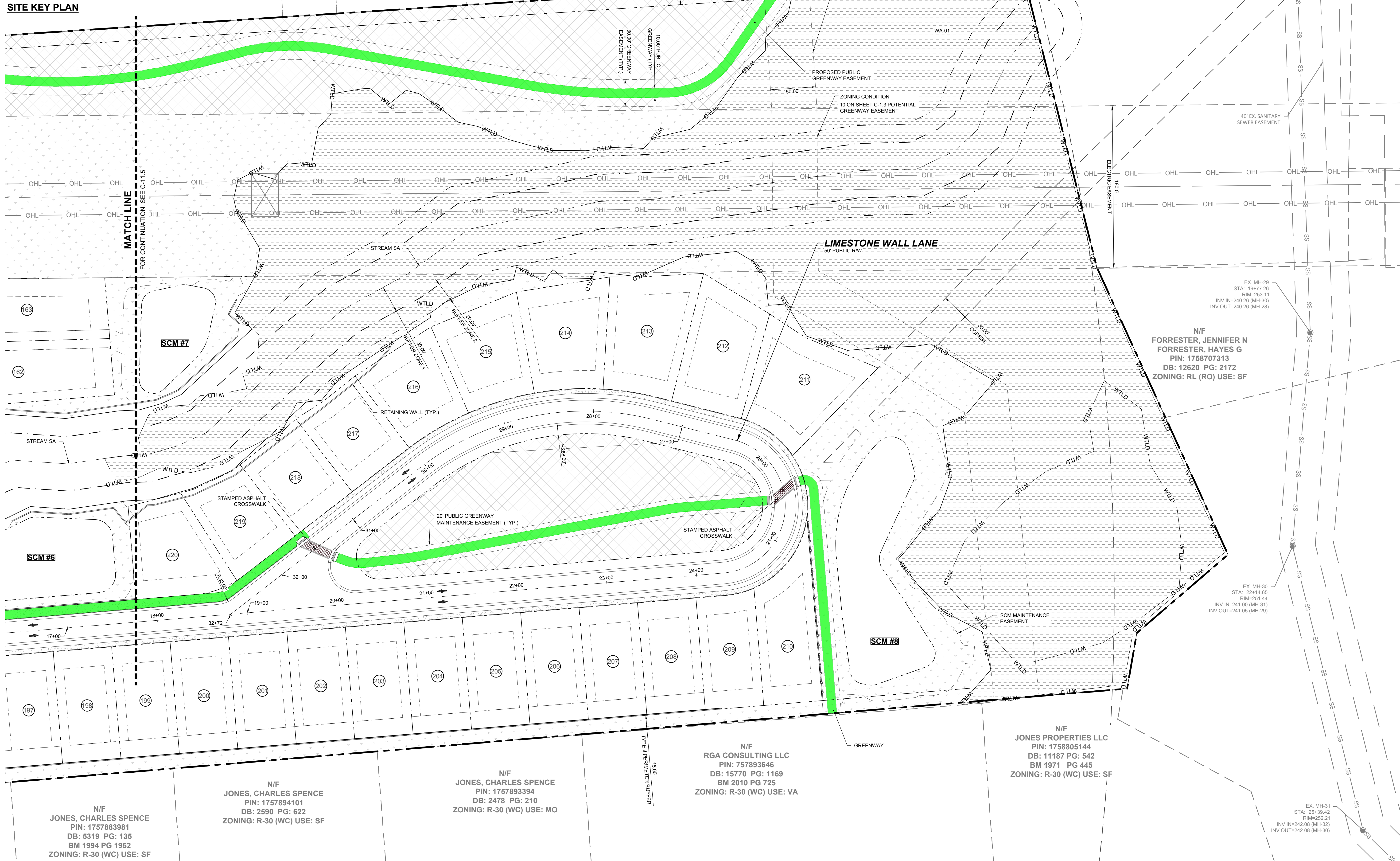
**CONSTRUCTION PLANS**  
**SIGNAGE & STRIPING PLAN V**

DRAWING SHEET  
**C-11.5**

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



LEGEND:  
SEE SHEET C-11.0 FOR LEGEND.



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

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

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

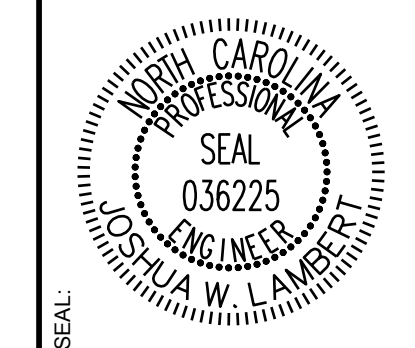
N/F  
RGA CONSULTING LLC  
PIN: 757893646  
DB: 15770 PG: 1169  
BM 2010 PG 725  
ZONING: R-30 (WC) USE: VA

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

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

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

NO.	REVISIONS	DATE	BY
01			
02			



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

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

HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
SIGNAGE & STRIPING PLAN VI

DRAWING SHEET  
**C-11.6**

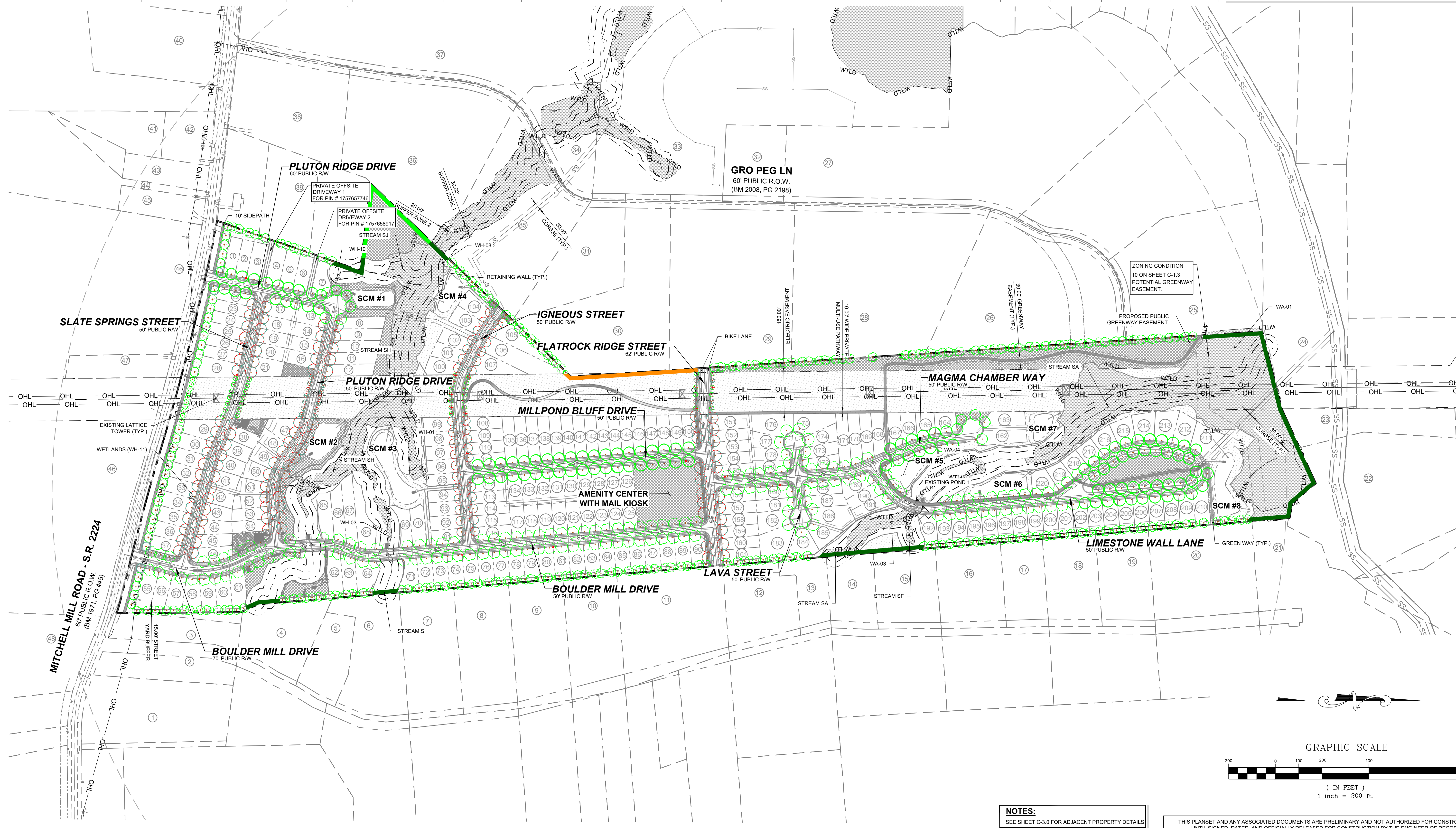
THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

STREET TREE REQUIREMENT				
ROAD	LENGTH	NET LENGTH	REQUIRED STREET TREES	TOTAL PROVIDED
BOULDER MILL DRIVE	2,575	4,087	82	88
SLATE SPRINGS STREET	1,254	1,826	50	54
PLUTON RIDGE DRIVE	1,688	2,258	58	71
IGNEOUS STREET	1,072	1,440	42	49
MILLPOND BLUFF DRIVE	1,047	921	37	38
FLATROCK RIDGE STREET	849	1,039	33	33
MAGMA CHAMBER WAY	1,155	1,850	37	41
LAVA STREET	325	495	10	17
LIMESTONE WALL LANE	2,272	3,674	73	75
<b>TOTAL</b>			<b>422</b>	<b>466</b>

PLANT SCHEDULE									
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING	
	CELLVI	17	CELTIS LAEVIGATA	SUGAR HACKBERRY	10' HT.	B&B	2.5"		
	CHI WHK	18	CHIONANTHUS VIRGINICUS 'WHITE KNIGHT'	WHITE KNIGHT WHITE FRINGE TREE	8' HT.	B&B	1.5"		
	GYM KEN	9	GYMNOCLADUS DIOICUS	KEN TUCKY COFFEE TREE	10' HT.	B&B	2.5"		
	HAL JER	18	HALESIA CAROLINA 'JERSEY BELLE'	JERSEY BELLE CAROLINA SILVERBELL	8' HT.	B&B	1.5"		
	OST NHT	18	OSTRYA VIRGINIANA 'JFS-KWS'	AUTUMN TREASURED AMERICAN HOPHORNBEAM	8' HT.	B&B	1.5"		
	QUE GOB	128	QUERCUS ACUTISSIMA 'GOBBLER'	SAWTOOTH OAK	10' HT.	B&B	2.5"		
	QUE FAL	115	QUERCUS FALCATA	SOUTHRN RED OAK	12' HT.	B&B	2.5"		
	QUE NUT	143	QUERCUS NUTTALLII 'QNFTA'	HIGHPOINTO NUTTALL OAK	12' HT.	B&B	2.5"		
SUBTOTAL:		466							

**LEGEND:**

- PROPOSED PROPERTY LINE
- - - EXISTING PROPERTY LINE
- ROADWAY CENTER LINE
- PROPOSED PROPERTY LINE
- VALLEY/ROLLED CURB & GUTTER
- STANDARD CURB & GUTTER
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- OPEN SPACE
- WTLD - WTLD
- WTLD - EXISTING WETLAND



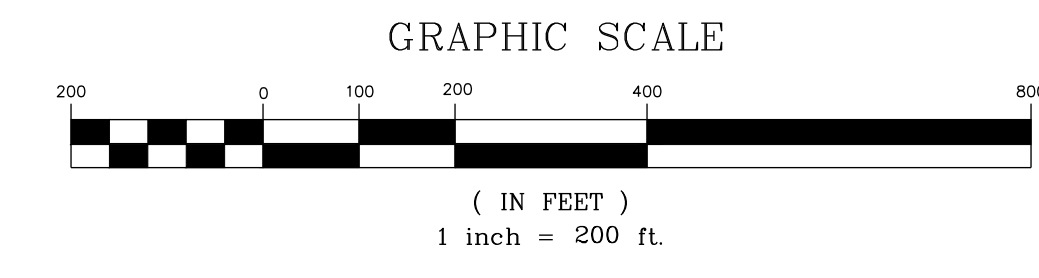
NO.	REVISIONS	DATE	BY
01			
02			

**STRONGROCK ENGINEERING GROUP**

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

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

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



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

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BUFFER CALCULATIONS		
PERIMETER BUFFER TYPE 2		
TOTAL LINEAR FOOTAGE (LF)	7116	
NUMBER OF PLANTS	REQUIRED	PROVIDED
CANOPY TREES	213.4	213
UNDERSTORY TREES	80.5	81
SHRUBS	3558	3558
30 FT THOROUGHFARE BUFFER		
TOTAL LINEAR FOOTAGE (LF)	1580.9	
DUKE EASEMENT LENGTH	187.1	
MITCHELL MILL STREET FRONTAGE POWEREASEMENT	1393.8	
CANOPY TREES	34.8	35

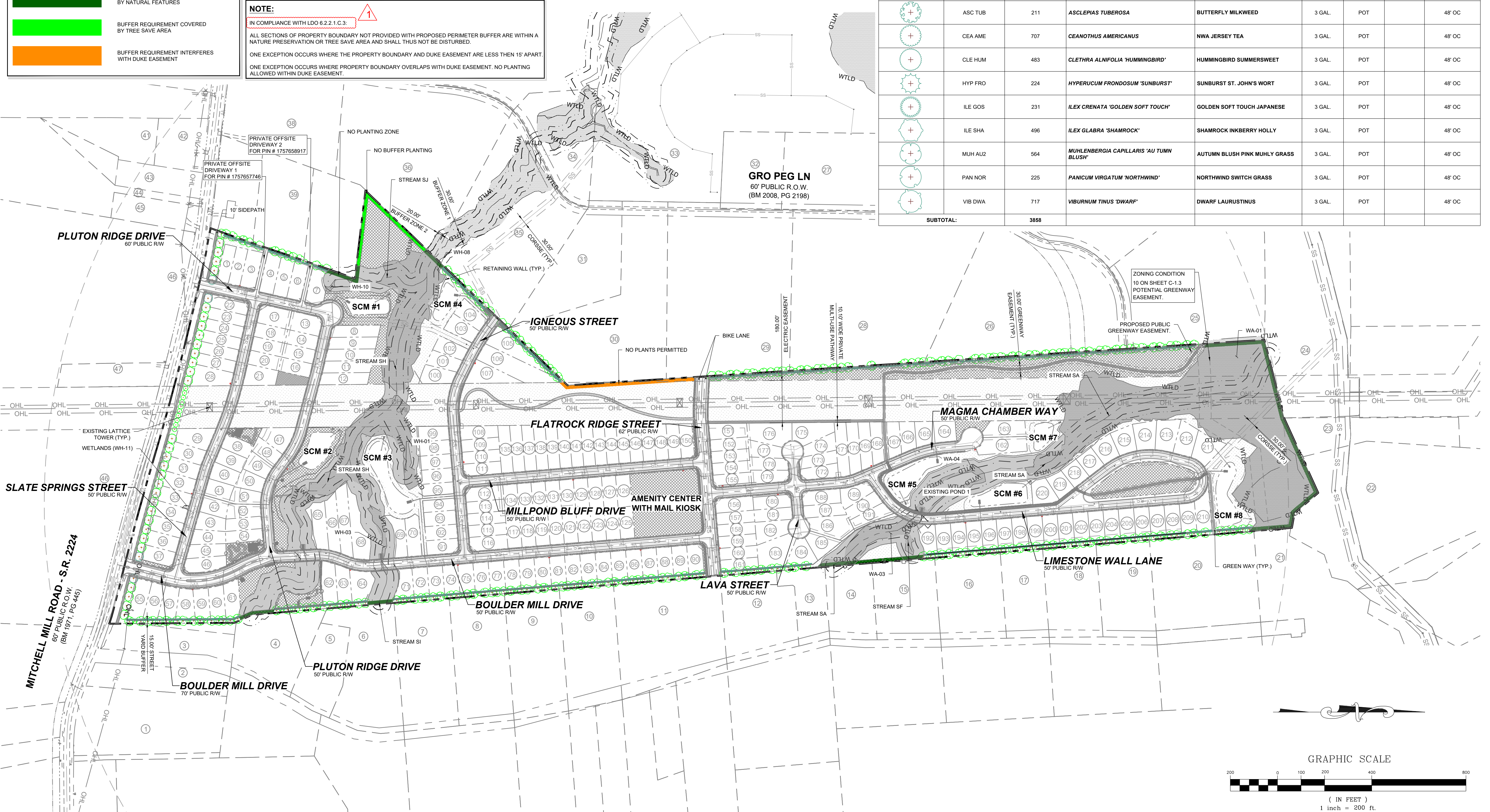
30' THOROUGH HF RE BUFFER									
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING	
<b>UNDERSTORY BUFFER</b>									
+	AME ARB	2	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	6' HT.	B&B	1.5"		
+	COR CHE	4	CORNUS FLORIDA 'CHEROKEE BRAVE'	CHEROKEE BRAVE DOGWOOD	5' HT.	B&B	1.5"		
+	VIB CHI	4	VIBURNUM AWABUKI 'CHIDO'	CHIDO SWEET VIBURNUM	6' HT.	B&B	1.5"		
SUBTOTAL:		10							
<b>CANOPY BUFFER</b>									
+	GIN AUT	9	GINKGO BLOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	10' HT.	B&B			
+	MAG GRA	4	MAGNOLIA GRANDIFLORA	SOUTHRN MAGNOLIA	12' HT.	B&B	3.0"		
+	QUE MAC	22	QUERCUS MACROCARPA	BURR OAK	12' HT.	B&B	2.5"		
SUBTOTAL:		35							

PERIMETER BUFFER TYPE 2									
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING	
<b>CANOPY BUFFER</b>									
+	ACE FLD	47	ACER FLORIDANUM	SOUTHERN SUGAR MAPLE	12' HT.	POT	2.5"		
+	NYS SYL	71	NYSSA SYLVATICA	TUPELO	12' HT.	POT	2.5"		
+	QOU NUT	47	QUERCUS NUTTALLII	NUTTALL OAK	12' HT.	POT	2.5"		
+	QUE PR2	48	QUERCUS PALUSTRIS 'PRINGREEN'	GREEN PILLAR PIN OAK	12' HT.	POT	2.5"		
SUBTOTAL:		213							
<b>UNDERSTORY BUFFER</b>									
+	AME ARB	27	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	6' HT.	POT	1.5"		
+	CER EAS	44	CERCIS CANADENSIS	EASTERN REDBUD MULTI-TRUNK	5' HT.	POT	1.5"		
SUBTOTAL:		71							
<b>BUFFER SHRUBS</b>									
+	ASC TUB	211	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	3 GAL.	POT		48" OC	
+	CEA AME	707	CEANOTHUS AMERICANUS	NWA JERSEY TEA	3 GAL.	POT		48" OC	
+	CLE HUM	483	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	3 GAL.	POT		48" OC	
+	HYP FRO	224	HYPERUCUM FRONDOSUM 'SUNBURST'	SUNBURST ST. JOHN'S WORT	3 GAL.	POT		48" OC	
+	ILE GOS	231	ILEX CRENATA 'GOLDEN SOFT TOUCH'	GOLDEN SOFT TOUCH JAPANESE	3 GAL.	POT		48" OC	
+	ILE SHA	496	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	3 GAL.	POT		48" OC	
+	MUH AU2	564	MUHLENBERGIA CAPILLARIS 'AU TUMN BLUSH'	AUTUMN BLUSH PINK MUHLY GRASS	3 GAL.	POT		48" OC	
+	PAN NOR	225	PANICUM VIRGATUM 'NORTHWIND'	NORTHWIND SWITCH GRASS	3 GAL.	POT		48" OC	
+	VIB DWA	717	VIBURNUM TINUS 'DWARF'	DWARF LAURUSTINUS	3 GAL.	POT		48" OC	
SUBTOTAL:		3858							

**LEGEND:**

- BUFFER REQUIREMENT COVERED BY NATURAL FEATURES
- BUFFER REQUIREMENT COVERED BY TREE SAVE AREA
- BUFFER REQUIREMENT INTERFERES WITH DUKE EASEMENT

**NOTE:**  
 IN COMPLIANCE WITH LDO 6.2.2.1.C.3.  
 ALL SECTIONS OF PROPERTY BOUNDARY NOT PROVIDED WITH PROPOSED PERIMETER BUFFER ARE WITHIN A NATURE PRESERVATION OR TREE SAVE AREA AND SHALL NOT BE DISTURBED.  
 ONE EXCEPTION OCCURS WHERE THE PROPERTY BOUNDARY AND DUKE EASEMENT ARE LESS THEN 15' APART.  
 ONE EXCEPTION OCCURS WHERE PROPERTY BOUNDARY OVERLAPS WITH DUKE EASEMENT. NO PLANTING ALLOWED WITHIN DUKE EASEMENT.



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

01  
 02

NO.  
 DATE

REVISIONS

BY

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

**STRONGROCK**  
 ENGINEERING GROUP

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

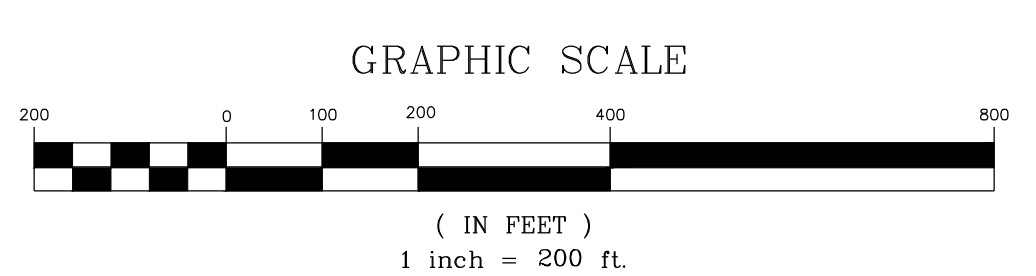
STRONG ROCK PROJECT  
 NOT FOR CONSTRUCTION  
 SCALE AS SHOWN  
 DESIGNED BY JWL  
 DRAWN BY SRG  
 CHECKED BY JWL

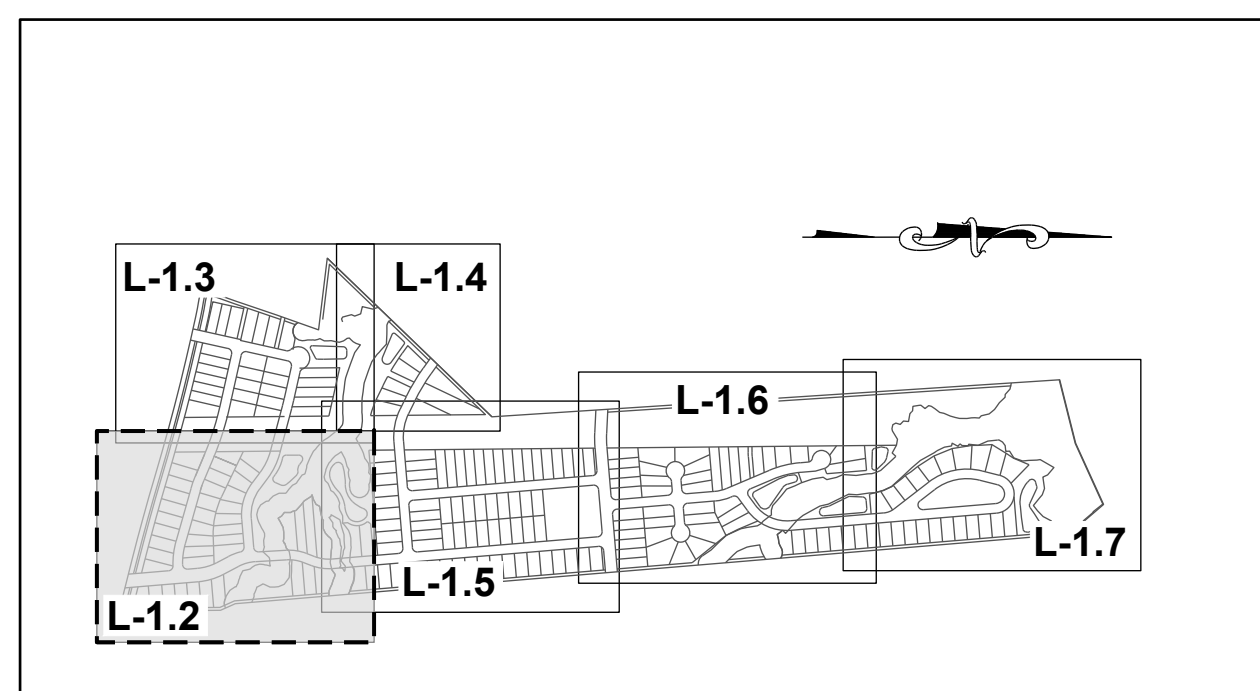
HILLS AT HARRIS CREEK  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
 CONSTRUCTION PLANS  
**PERIMETER BUFFER PLAN**

DRAWING SHEET  
**L-1.1**

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

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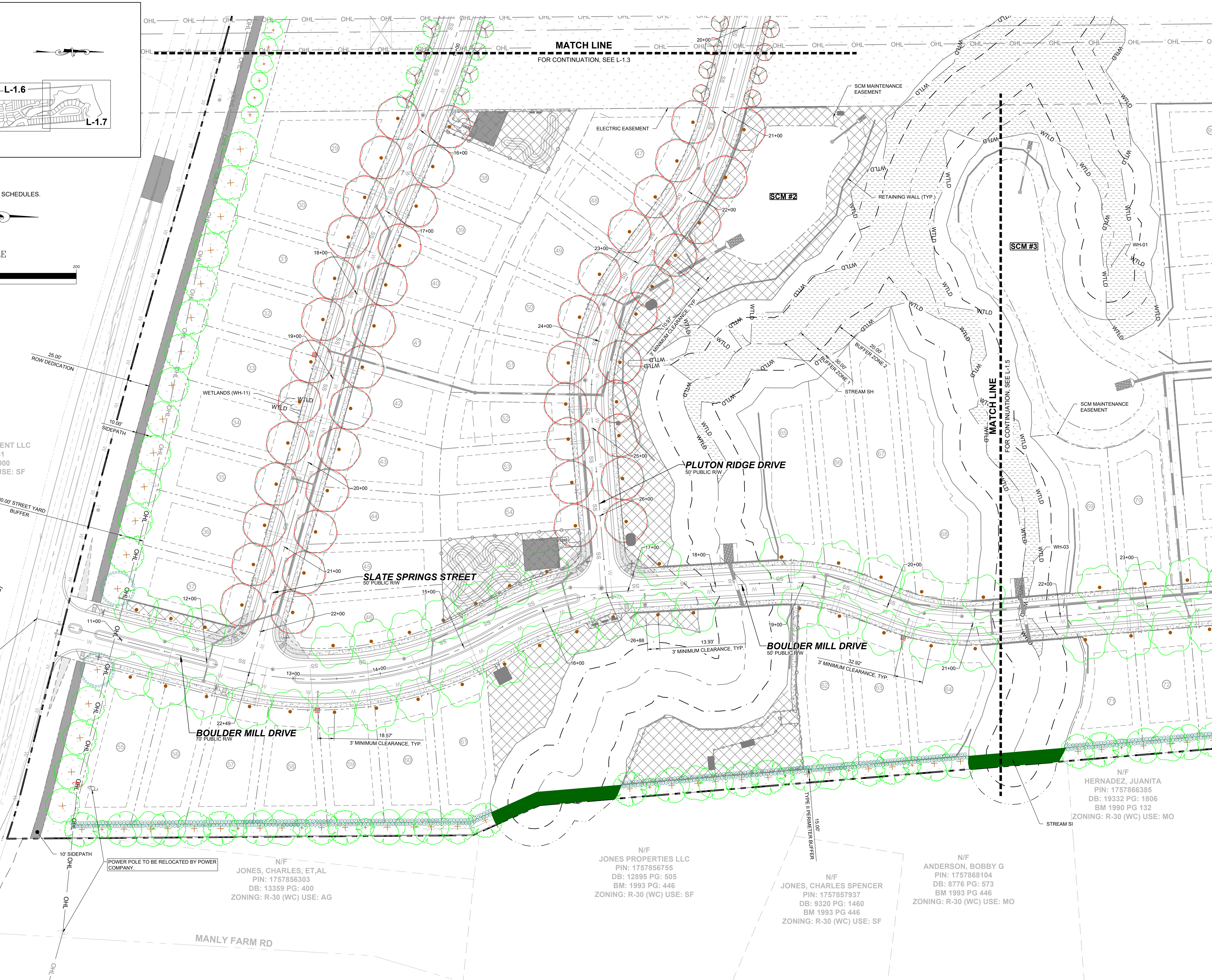
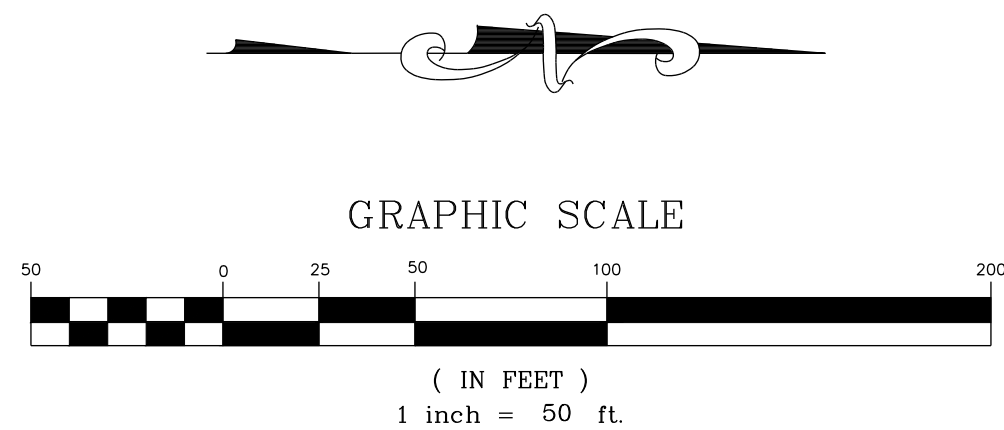




**SITE KEY PLAN**

**LEGEND:**

SEE SHEET L-1.0 & L-1.1 FOR LEGEND AND TREE SCHEDULES.



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

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

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

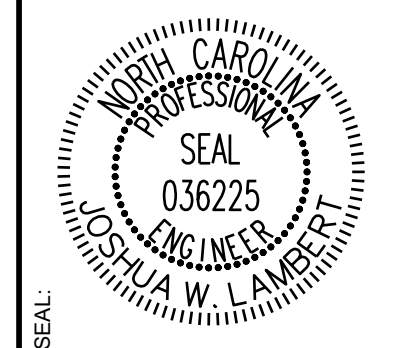
N/F JONES PROPERTIES LLC  
PIN: 1757856755  
DB: 12895 PG: 505  
BM: 1993 PG: 446  
ZONING: R-30 (WC) USE: SF

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

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

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

NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

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

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

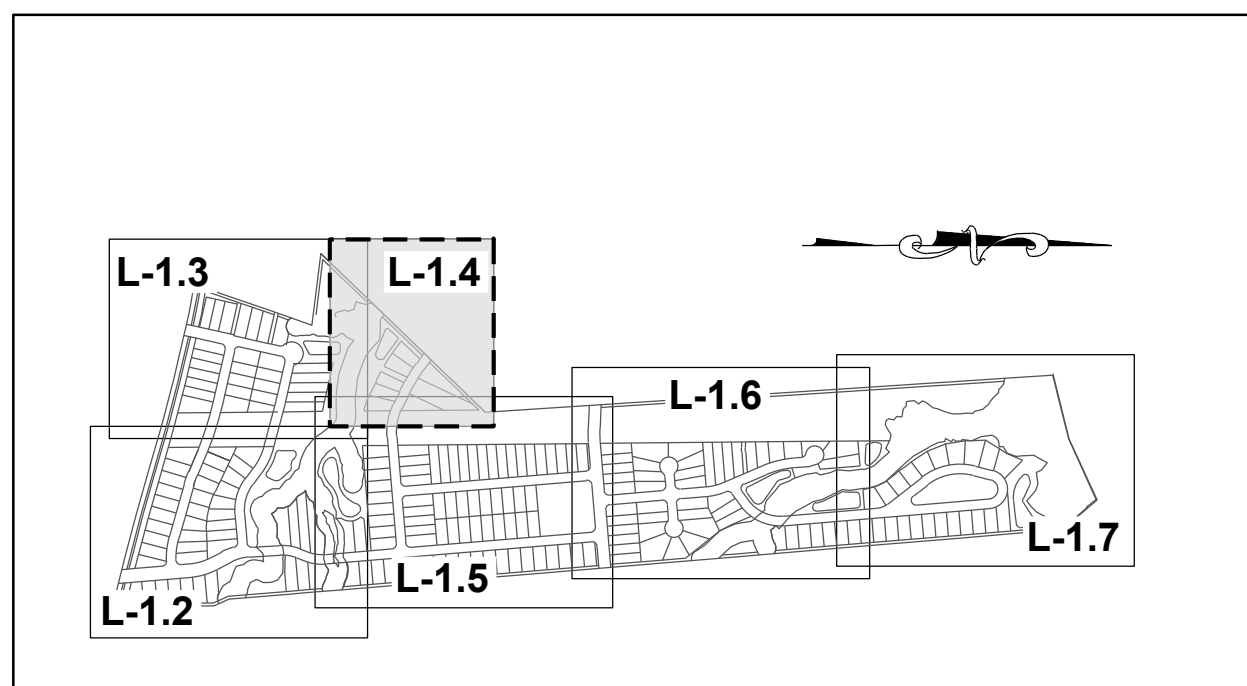
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL LANDSCAPE PLAN I

DRAWING SHEET  
**L-1.2**

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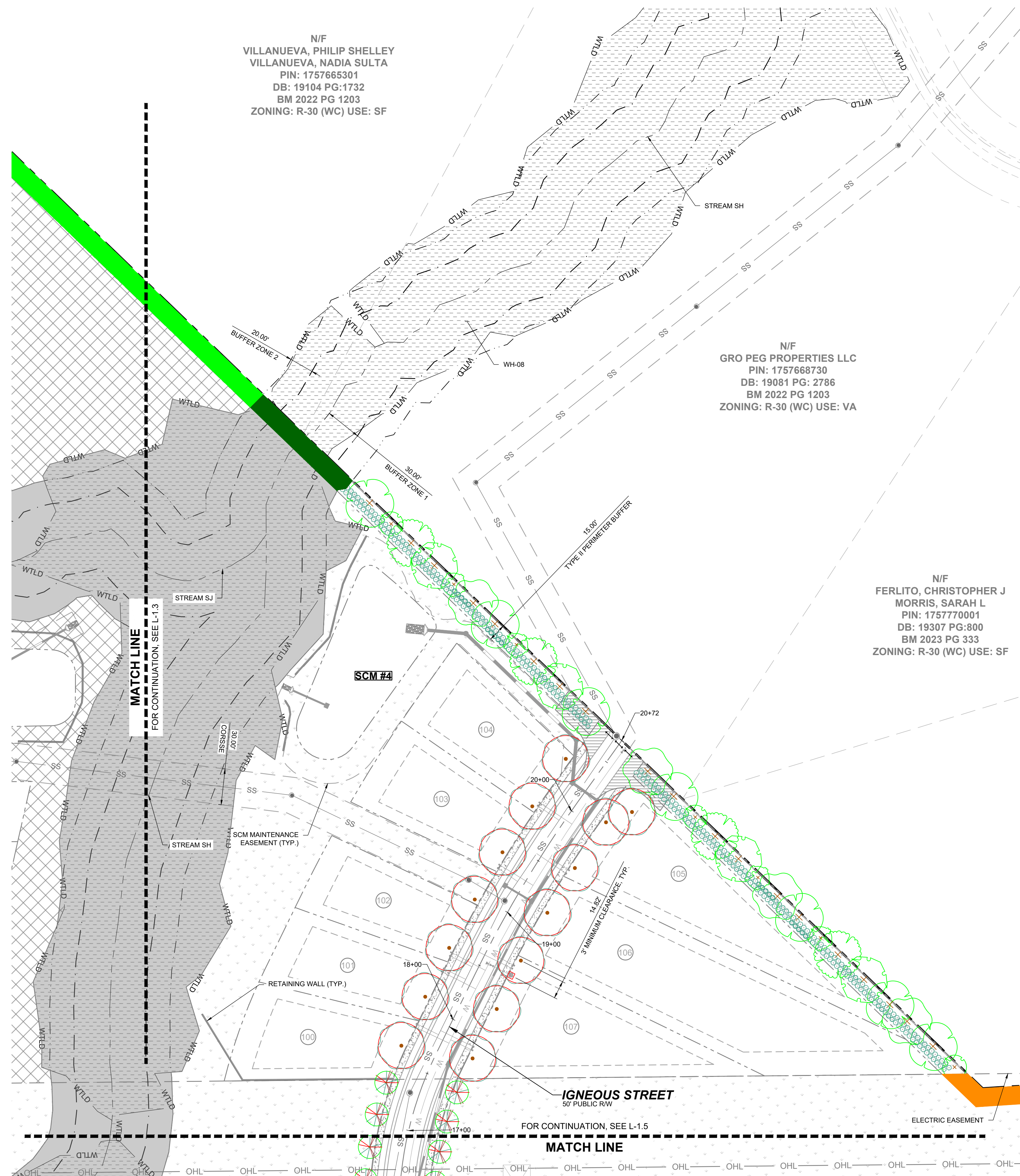
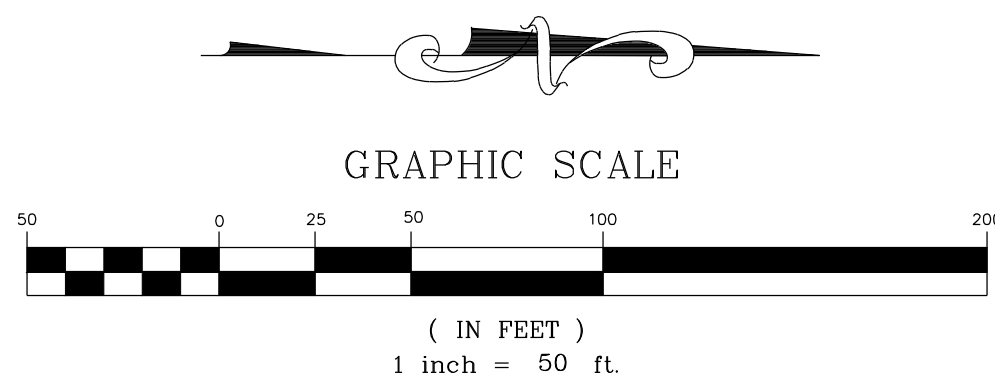




**SITE KEY PLAN**

**LEGEND:**

SEE SHEET L-1.0 & L-1.1 FOR LEGEND AND TREE SCHEDULES.

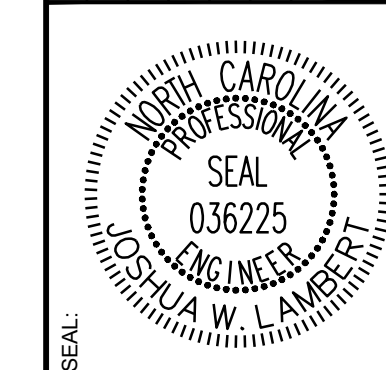


N/F  
VILLANUEVA, PHILIP SHELLEY  
VILLANUEVA, NADIA SULTA  
PIN: 1757665301  
DB: 19104 PG:1732  
BM 2022 PG 1203  
ZONING: R-30 (WC) USE: SF

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

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

NO.	DATE	BY	REVISIONS
01	11/01/2024		
02	02/03/2025		



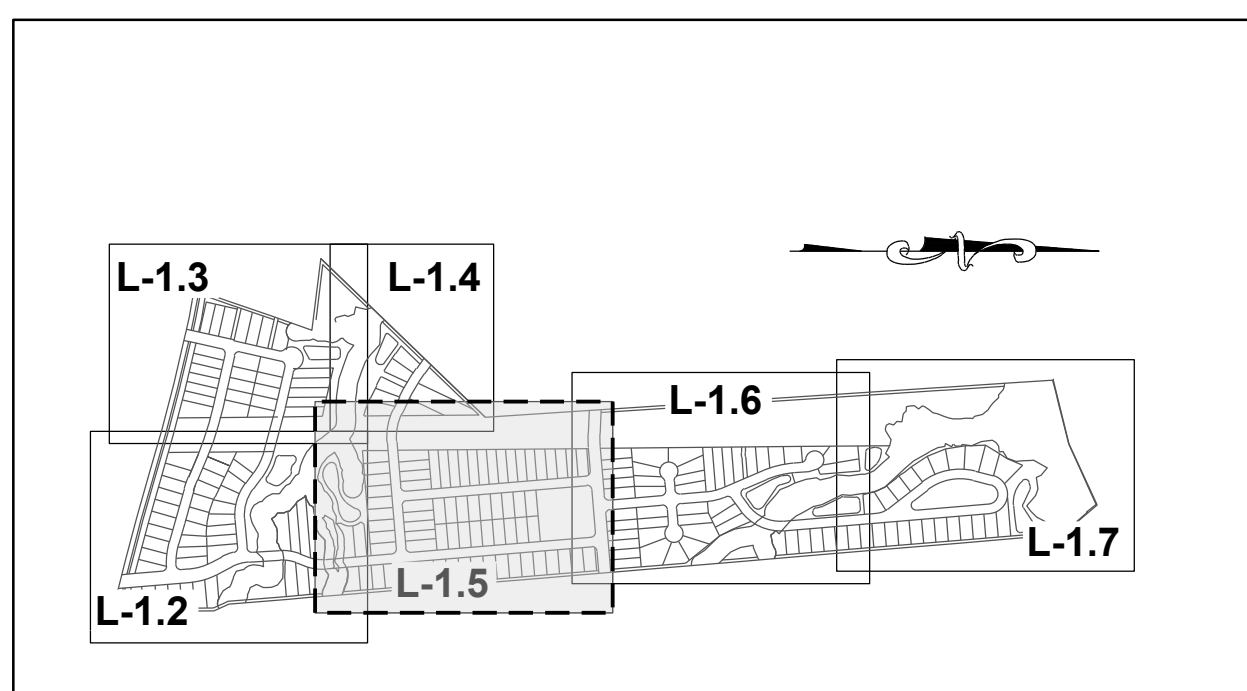
**STRONGROCK**  
ENGINEERING GROUP  
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET  
**L-1.4**

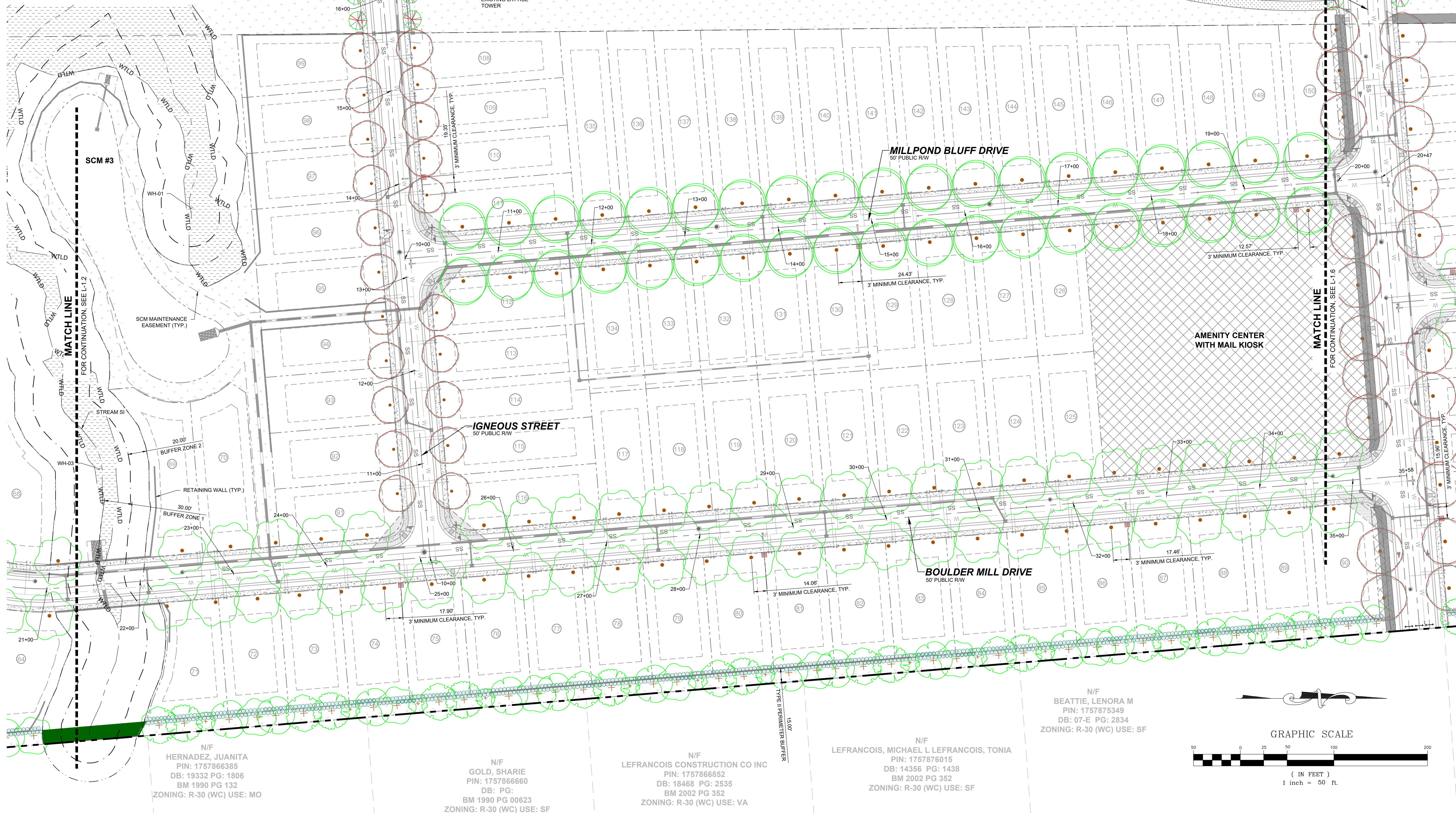
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SITE KEY PLAN

LEGEND:

SEE SHEET L-1.0 & L-1.1 FOR LEGEND AND TREE SCHEDULES.



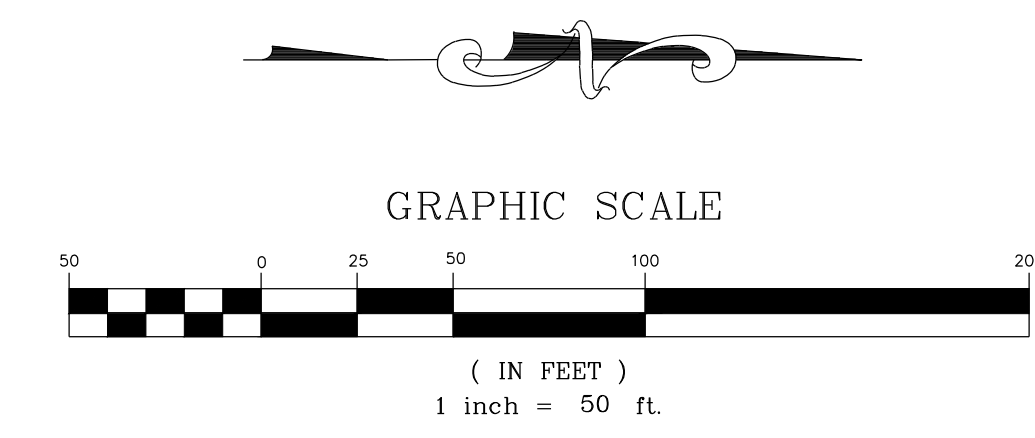
N/F  
HERNADEZ, JUANITA  
PIN: 1757866385  
DB: 19332 PG: 1806  
BM 1990 PG 132  
ZONING: R-30 (WC) USE: MO

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

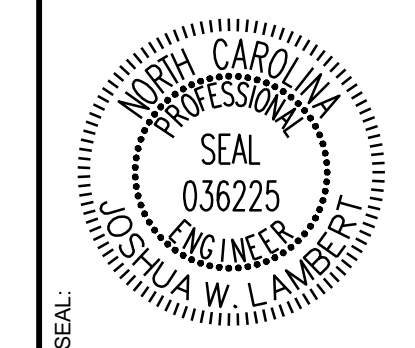
N/F  
LEFRANCOIS CONSTRUCTION CO INC  
PIN: 1757866852  
DB: 18468 PG: 2535  
BM 2002 PG 352  
ZONING: R-30 (WC) USE: VA

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

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



NO.	REVISIONS	DATE	BY
01			
02			



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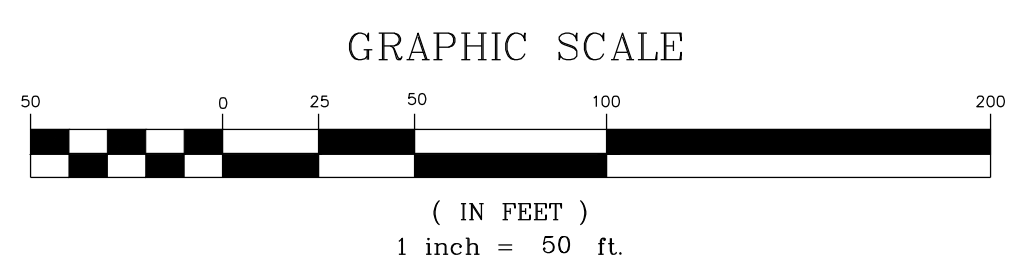
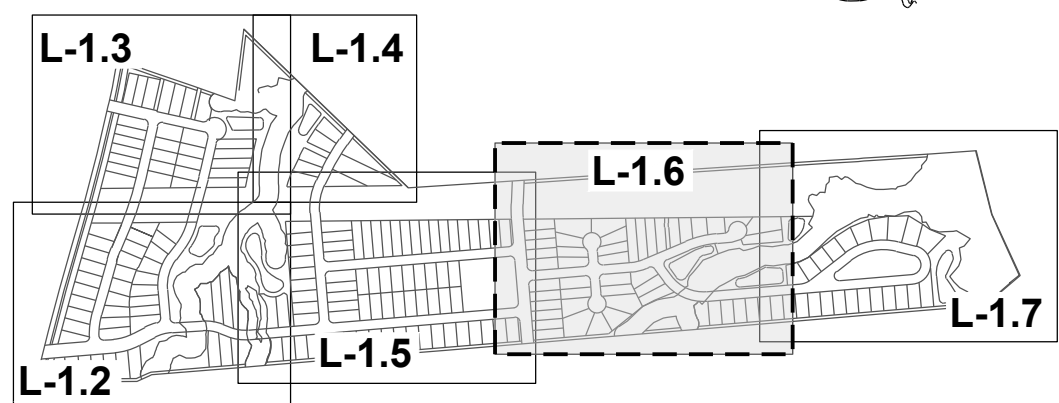
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET  
L-1.5

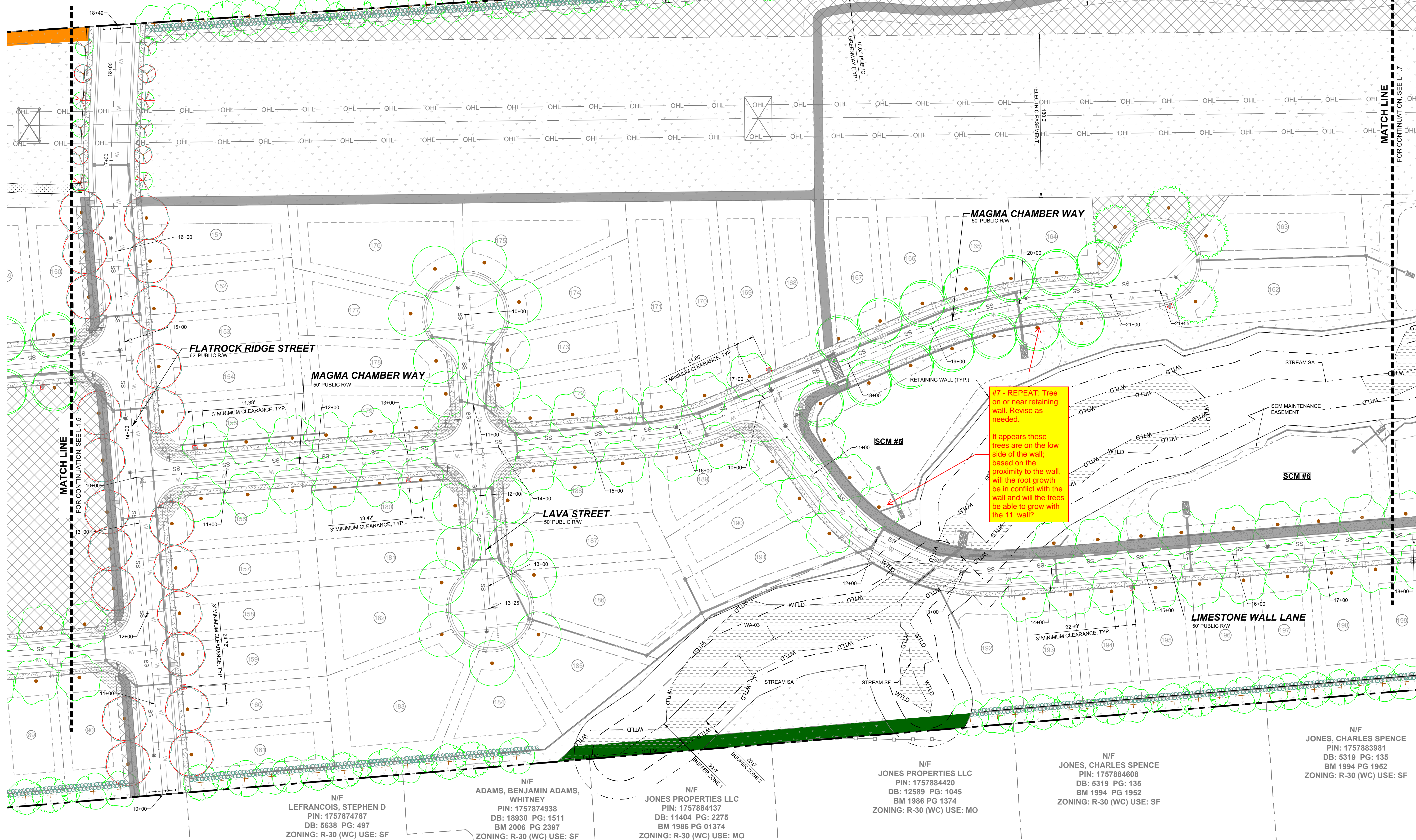
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**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET L-1.0 & L-1.1 FOR LEGEND AND TREE SCHEDULES.

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

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



**#7 - REPEAT:** Tree on or near retaining wall. Revise as needed.  
It appears these trees are on the low side of the wall; based on the proximity to the wall, will the root growth be in conflict with the wall and will the trees be able to grow with the 11' wall?

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

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

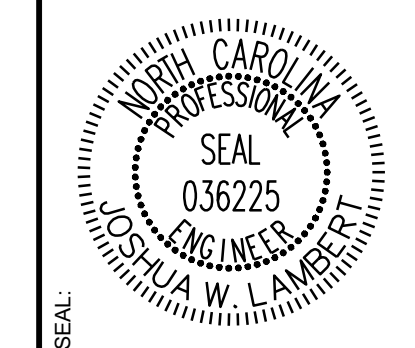
N/F  
JONES PROPERTIES LLC  
PIN: 1757884137  
DB: 11404 PG: 2275  
BM 1986 PG 01374  
ZONING: R-30 (WC) USE: MO

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

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

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

NO.	REVISIONS	DATE	BY
01			
02			



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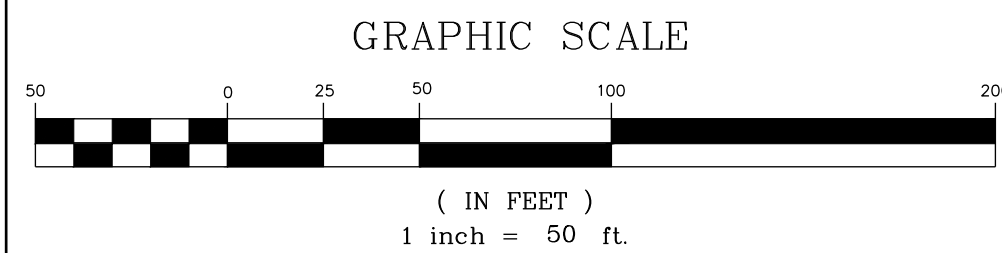
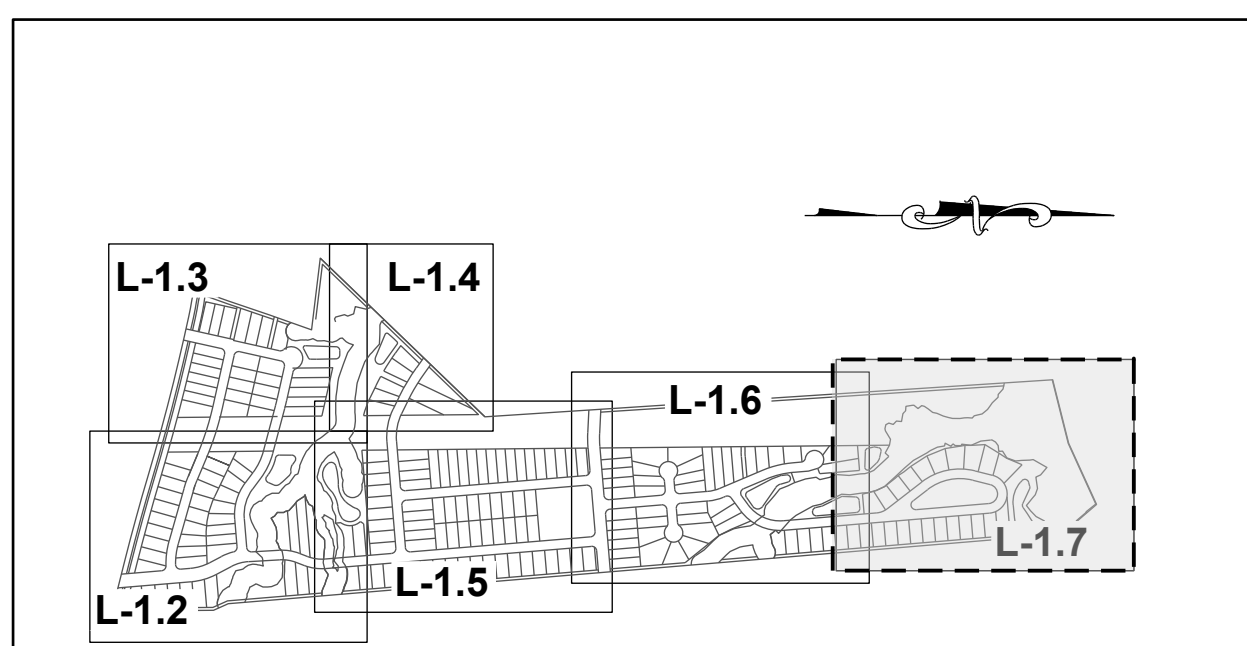
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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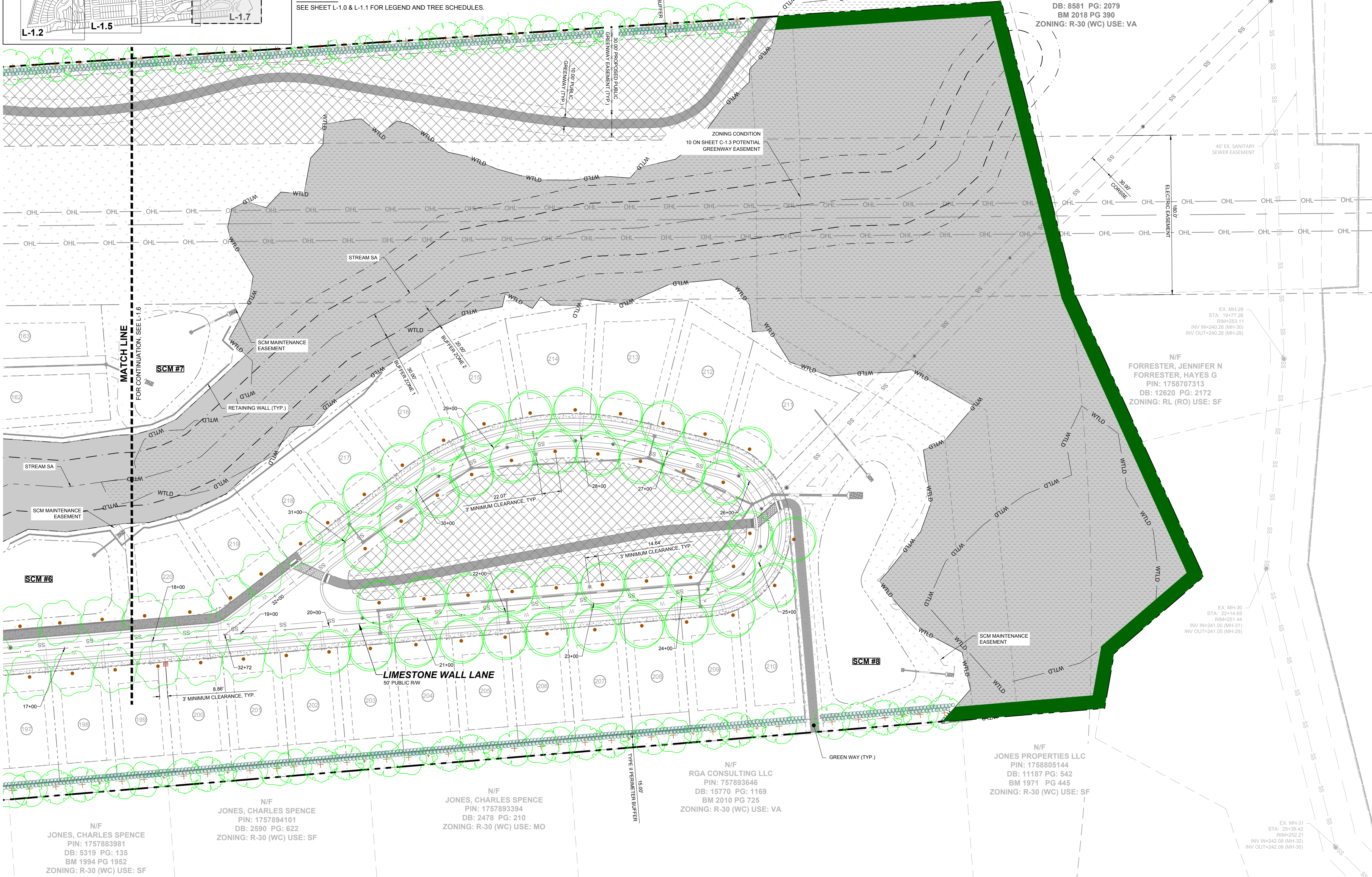
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL LANDSCAPE PLAN V

DRAWING SHEET  
**L-1.6**

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**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET L-1.0 & L-1.1 FOR LEGEND AND TREE SCHEDULES.



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

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

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

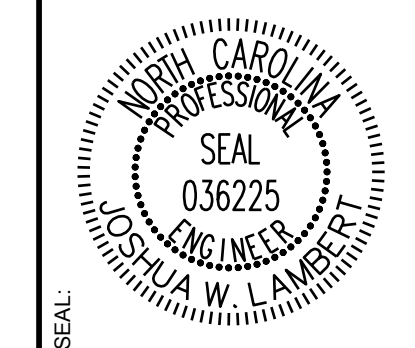
N/F  
JONES PROPERTIES LLC  
PIN: 1758805144  
DB: 11187 PG: 542  
BM 1971 PG 445  
ZONING: R-30 (WC) USE: SF

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

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

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

NO.	REVISIONS	DATE	BY
01			
02			



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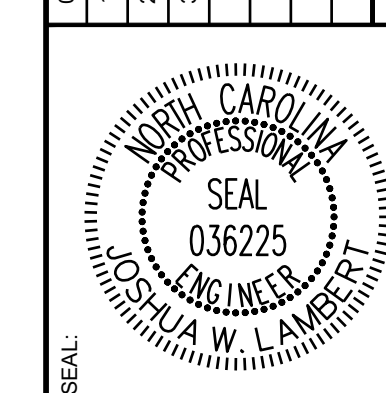
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
			JWL	SRG	JWL

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

DRAWING SHEET  
**L-1.7**

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No.	REVISIONS	DATE	BY
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# STRONGROCK

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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
PRELIMINARY SUBDIVISION PLAN  
OVERALL PRESERVATION PLAN

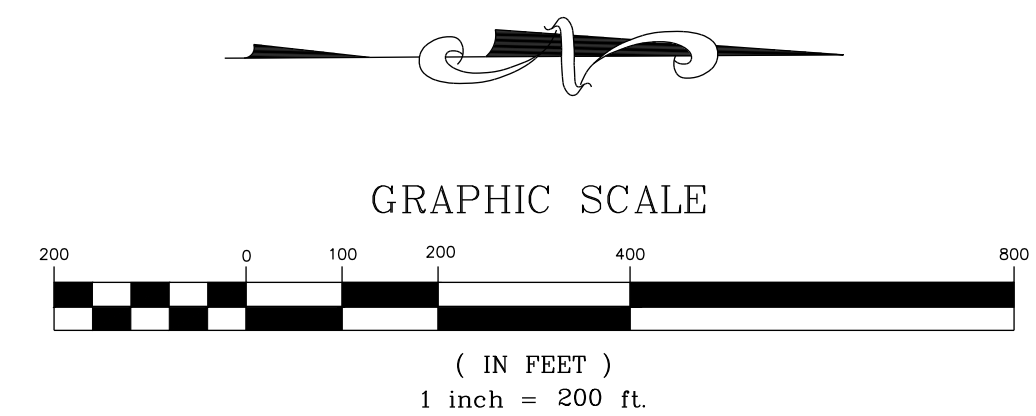
DRAWING SHEET  
**C-12.0**



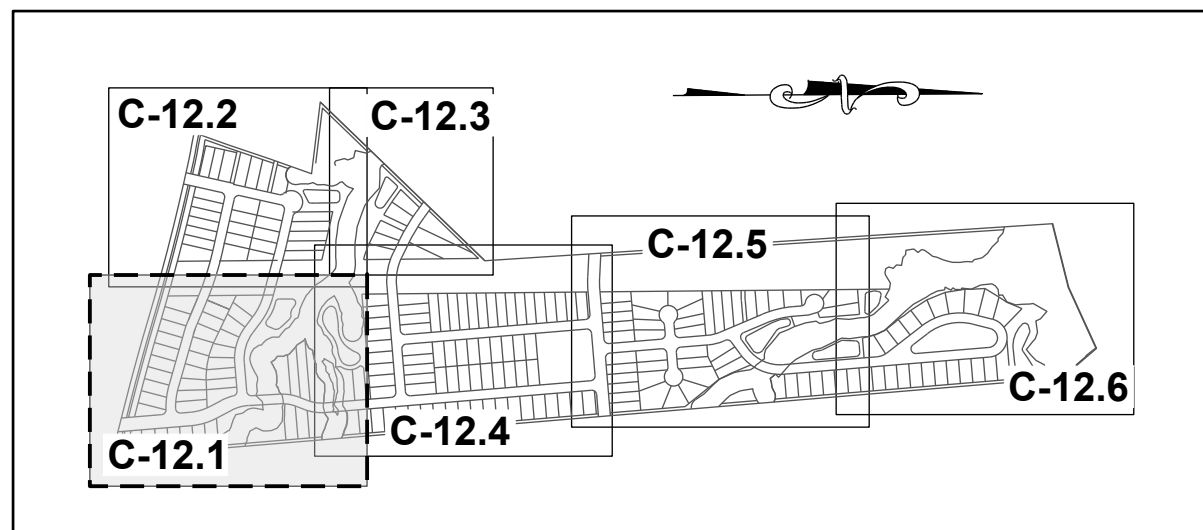
**LEGEND:**

	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
	TPF TREE PROTECTION FENCE

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



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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
- TPF TREE PROTECTION FENCE



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

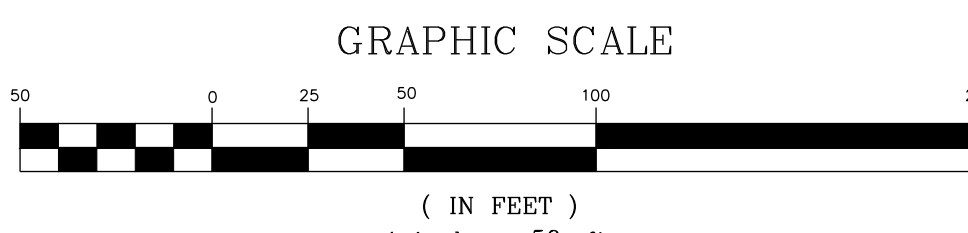
N/F JONES, CHARLES, ET,AL  
 PIN: 1757856303  
 DB: 13359 PG: 400  
 ZONING: R-30 (WC) USE: AG

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

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

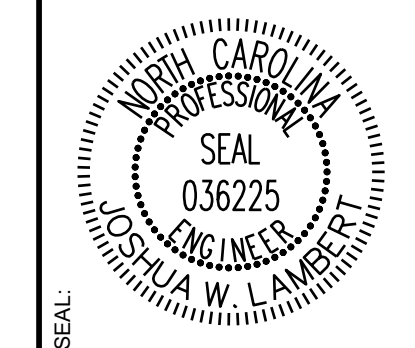
N/F ANDERSON, BOBBY G  
 PIN: 1757868104  
 DB: 8776 PG: 573  
 BM 1993 PG 446  
 ZONING: R-30 (WC) USE: MO

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



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NO.	REVISIONS	DATE	BY
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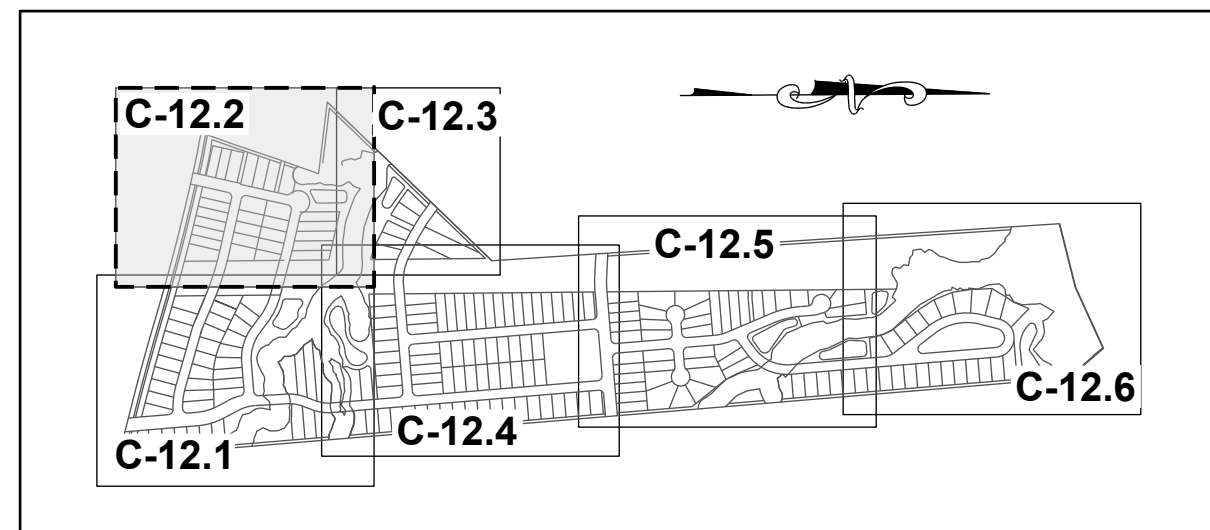


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 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

HILLS AT HARRIS CREEK  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
 PRELIMINARY SUBDIVISION PLAT  
 PRESERVATION PLAN I

DRAWING SHEET  
**C-12.1**



SITE KEY PLAN

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

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

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

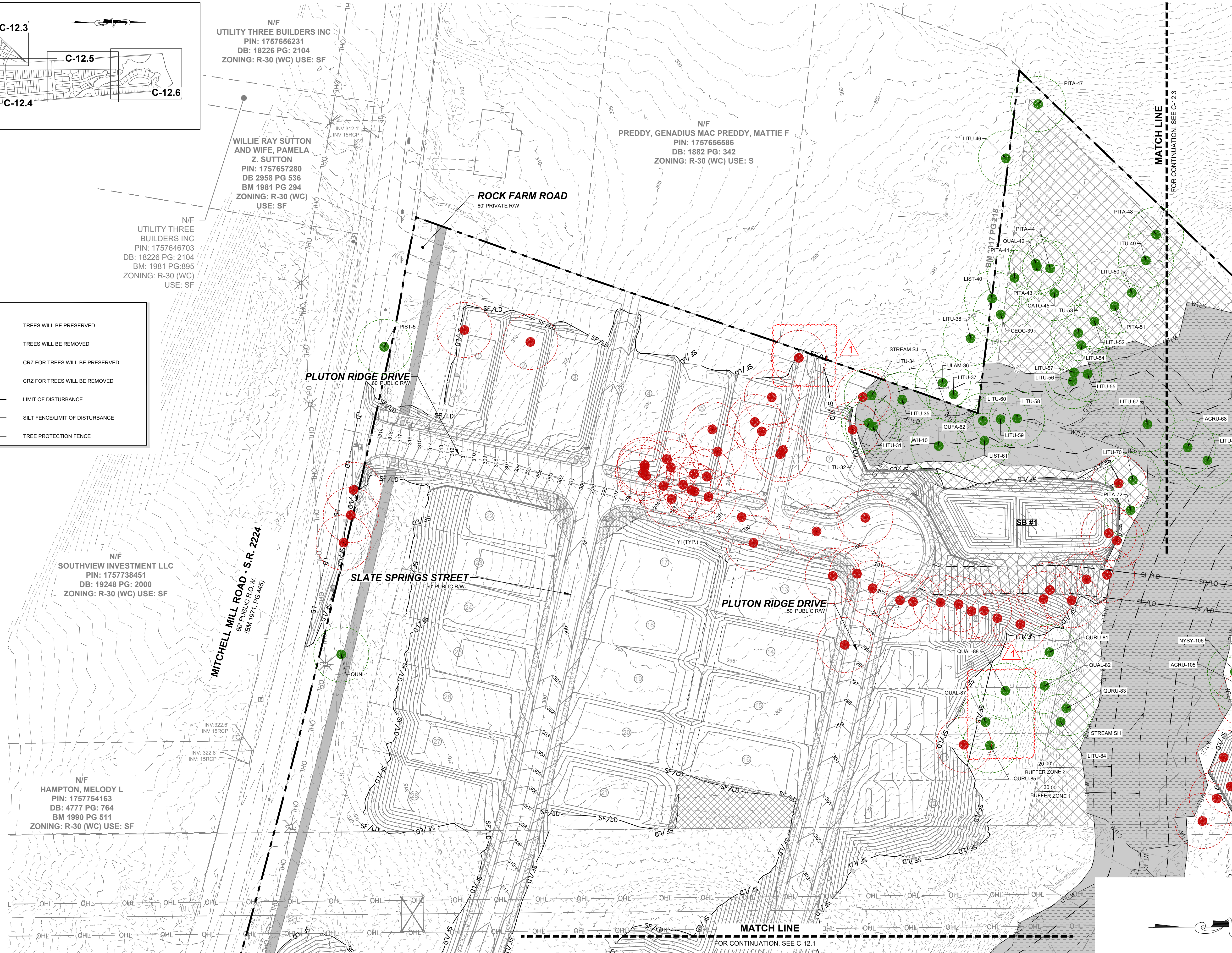
N/F  
PREDDY, GENADIUS MAC PREDDY, MATTIE F  
PIN: 1757656586  
DB: 1882 PG: 342  
ZONING: R-30 (WC) USE: S

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

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

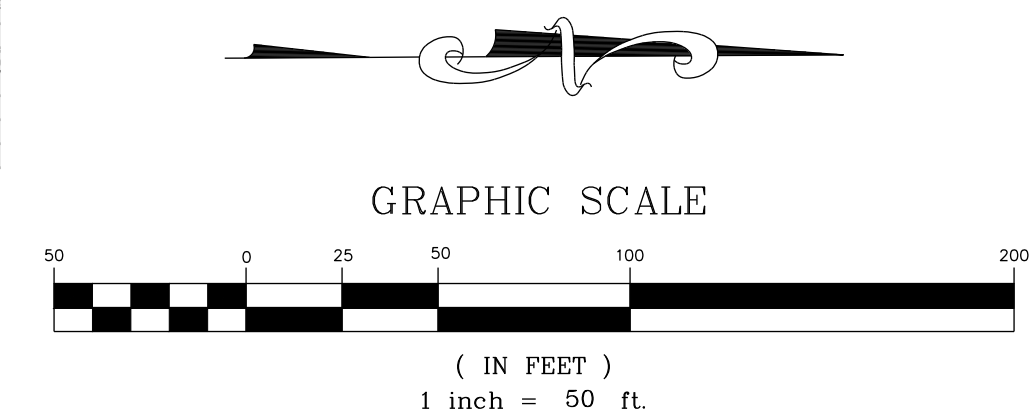
**LEGEND:**

- 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
- TPF — TREE PROTECTION FENCE

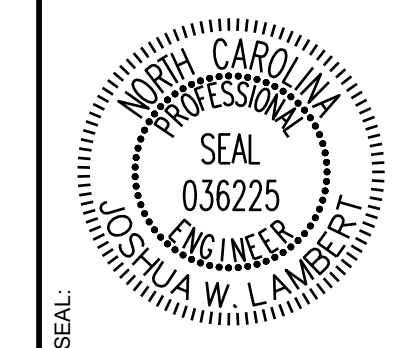


MATCH LINE  
FOR CONTINUATION, SEE C-12.3

MATCH LINE  
FOR CONTINUATION, SEE C-12.1



No.	REVISIONS	DATE	BY
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1			
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3			



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ENGINEERING GROUP

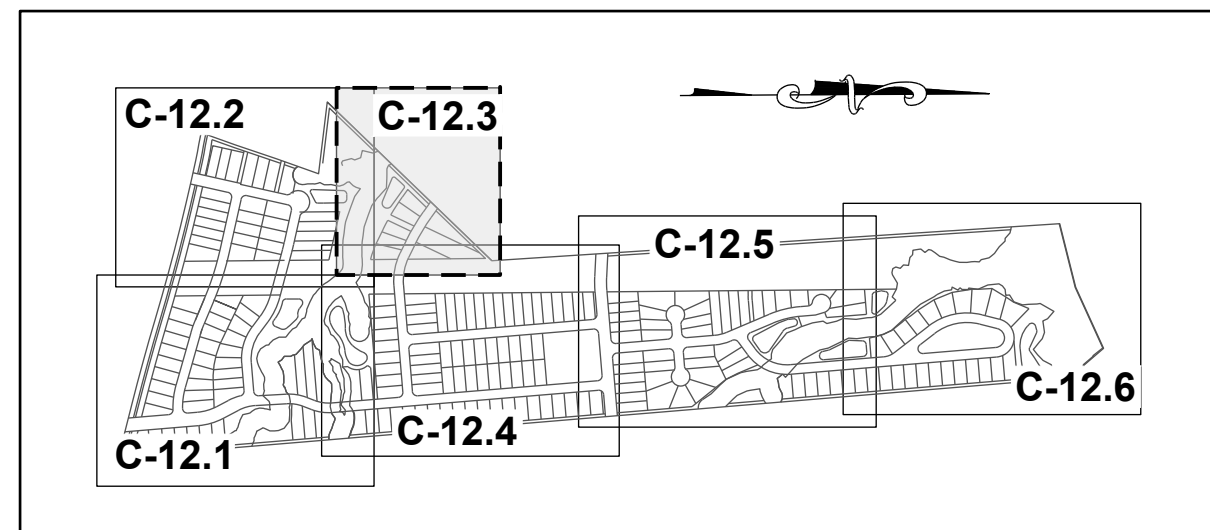
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
PRELIMINARY SUBDIVISION PLAT  
PRESERVATION PLAN II

DRAWING SHEET  
**C-12.2**

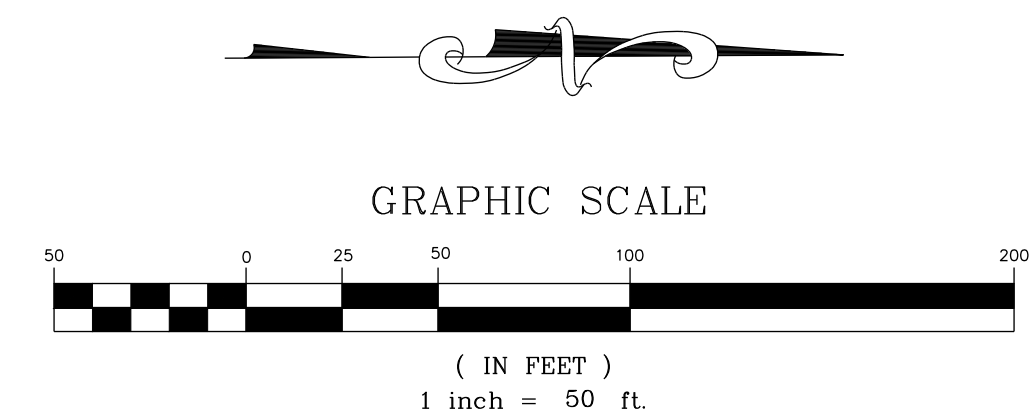
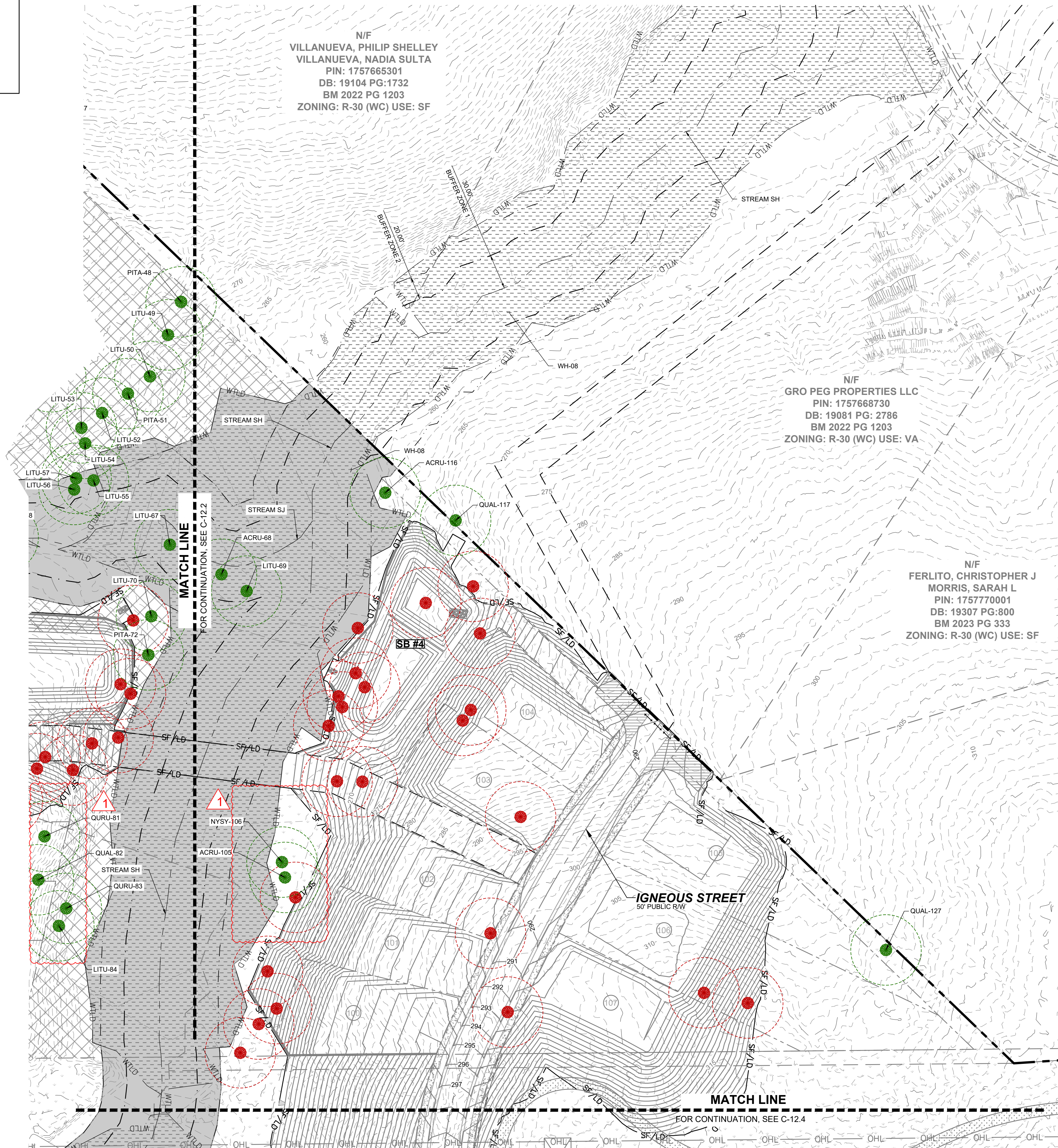
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SITE KEY PLAN

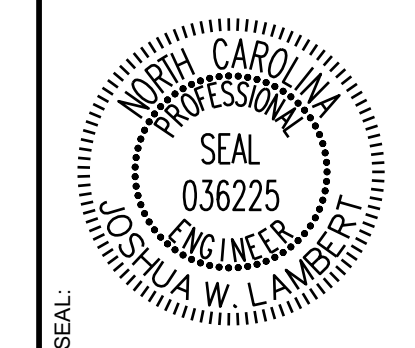
**LEGEND:**

	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
	TPF TREE PROTECTION FENCE



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NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

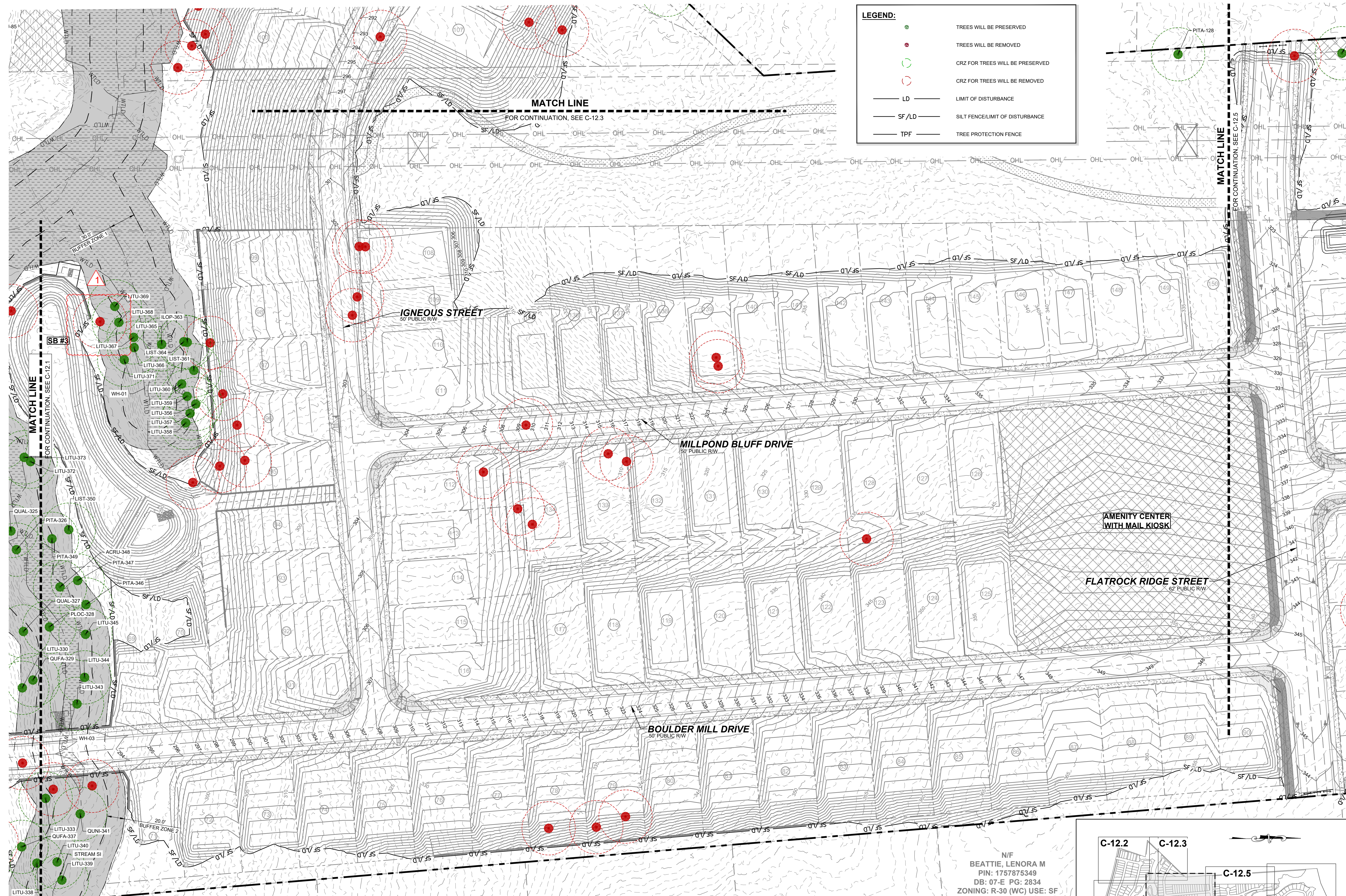
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

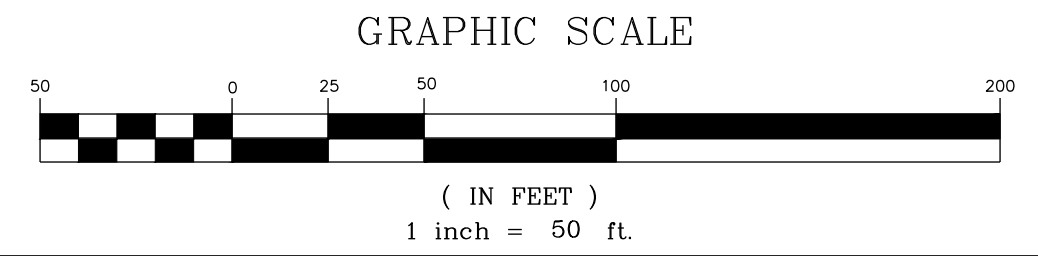
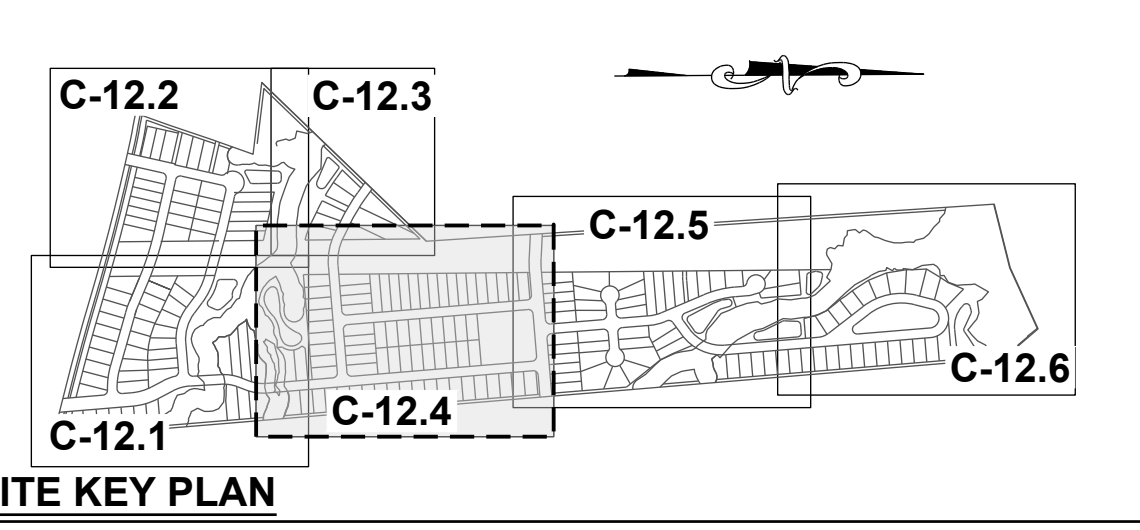
DRAWING SHEET  
**C-12.3**





**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
- TPF — TREE PROTECTION FENCE



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

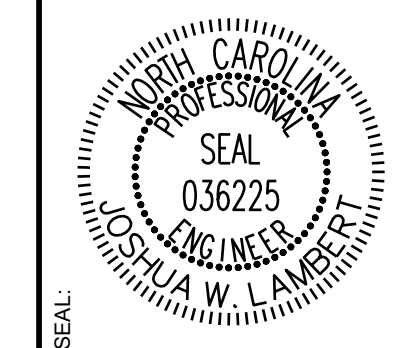
N/F  
 GOLD, SHARIE  
 PIN: 1757866660  
 DB: PG:  
 BM 1990 PG 00623  
 ZONING: R-30 (WC) USE: SF

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

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

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

NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
 ENGINEERING GROUP

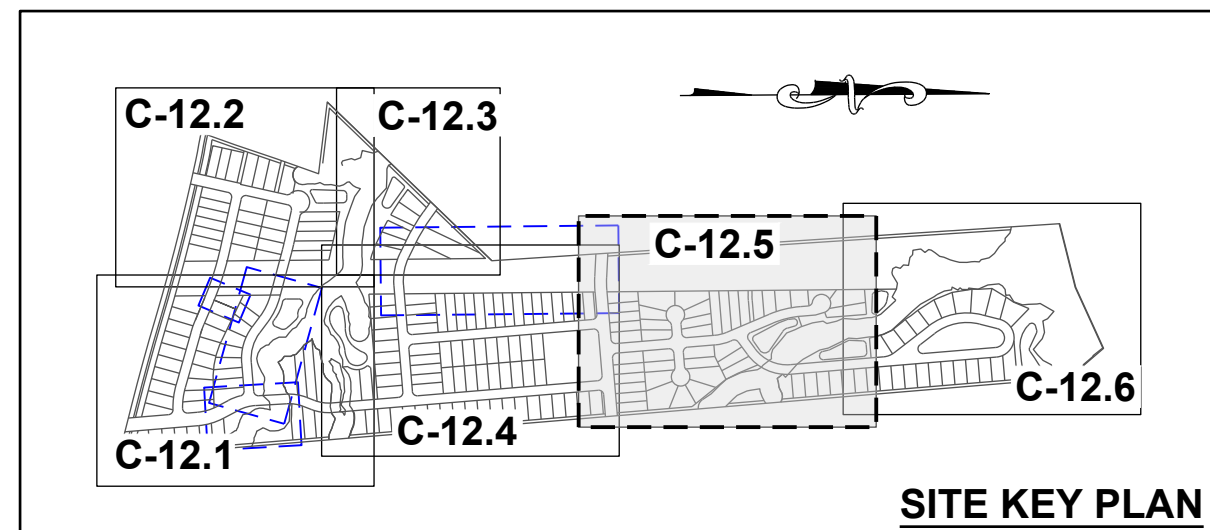
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
 305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET  
**C-12.4**

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.

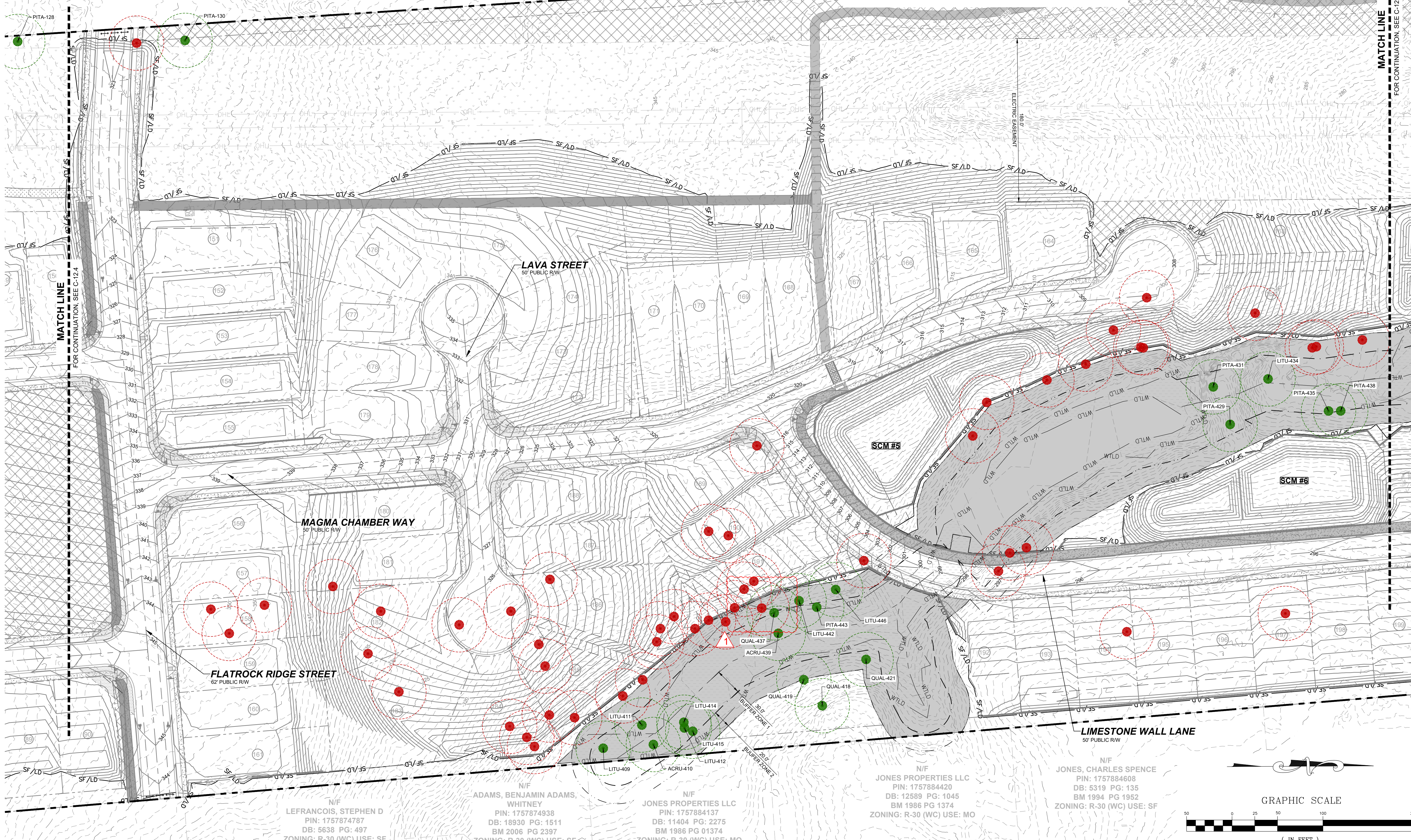
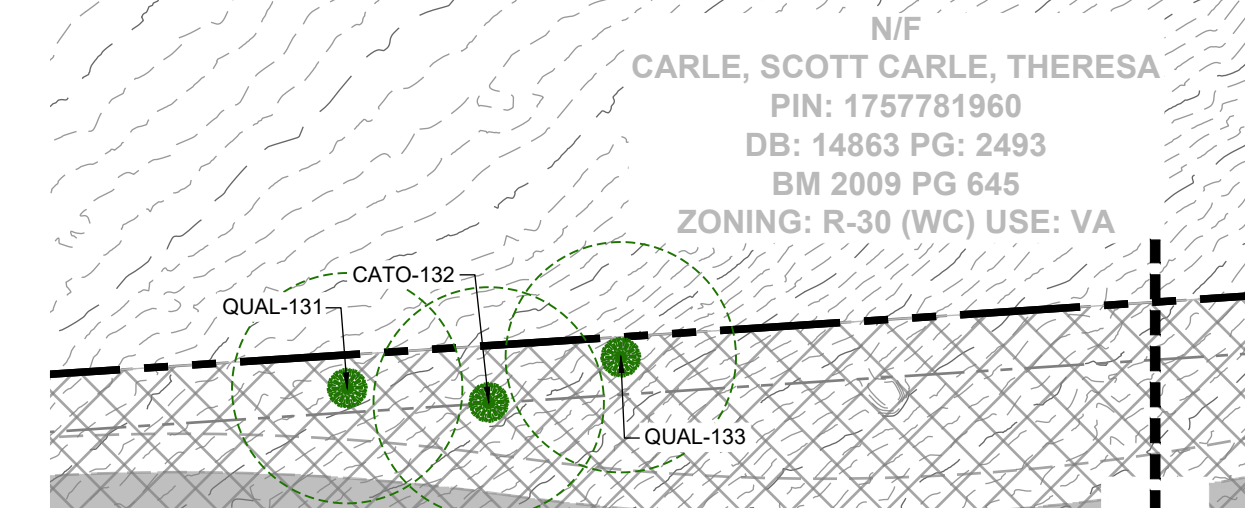


N/F  
GRO PEG PROPERTIES LLC  
PIN: 1757771603  
DB: 18359 PG: 1707  
BM 2023 PG 333  
ZONING: R-30 (WC) USE: VA

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

**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
- TPF — TREE PROTECTION FENCE



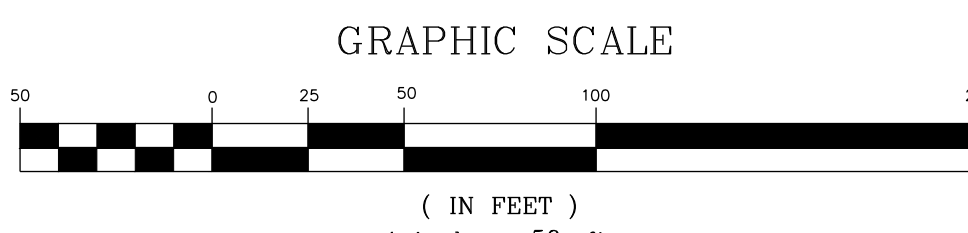
N/F  
LEFRANCOIS, STEPHEN D  
PIN: 1757874787  
DB: 5638 PG: 497  
ZONING: R-30 (WC) USE: SF

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

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

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

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



NO.	REVISIONS	DATE	BY
01			
02			

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ENGINEERING GROUP

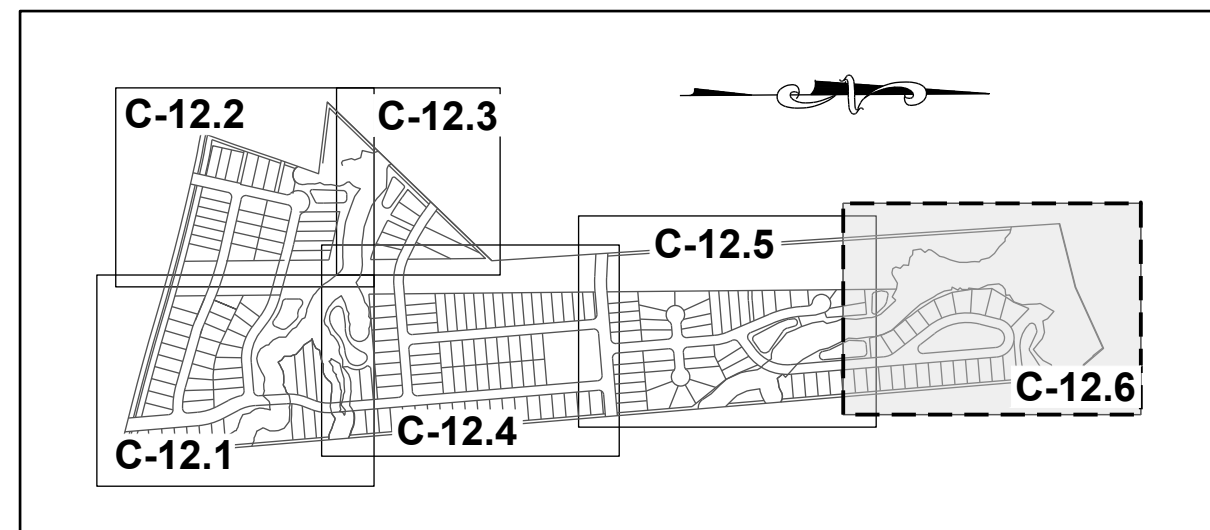
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

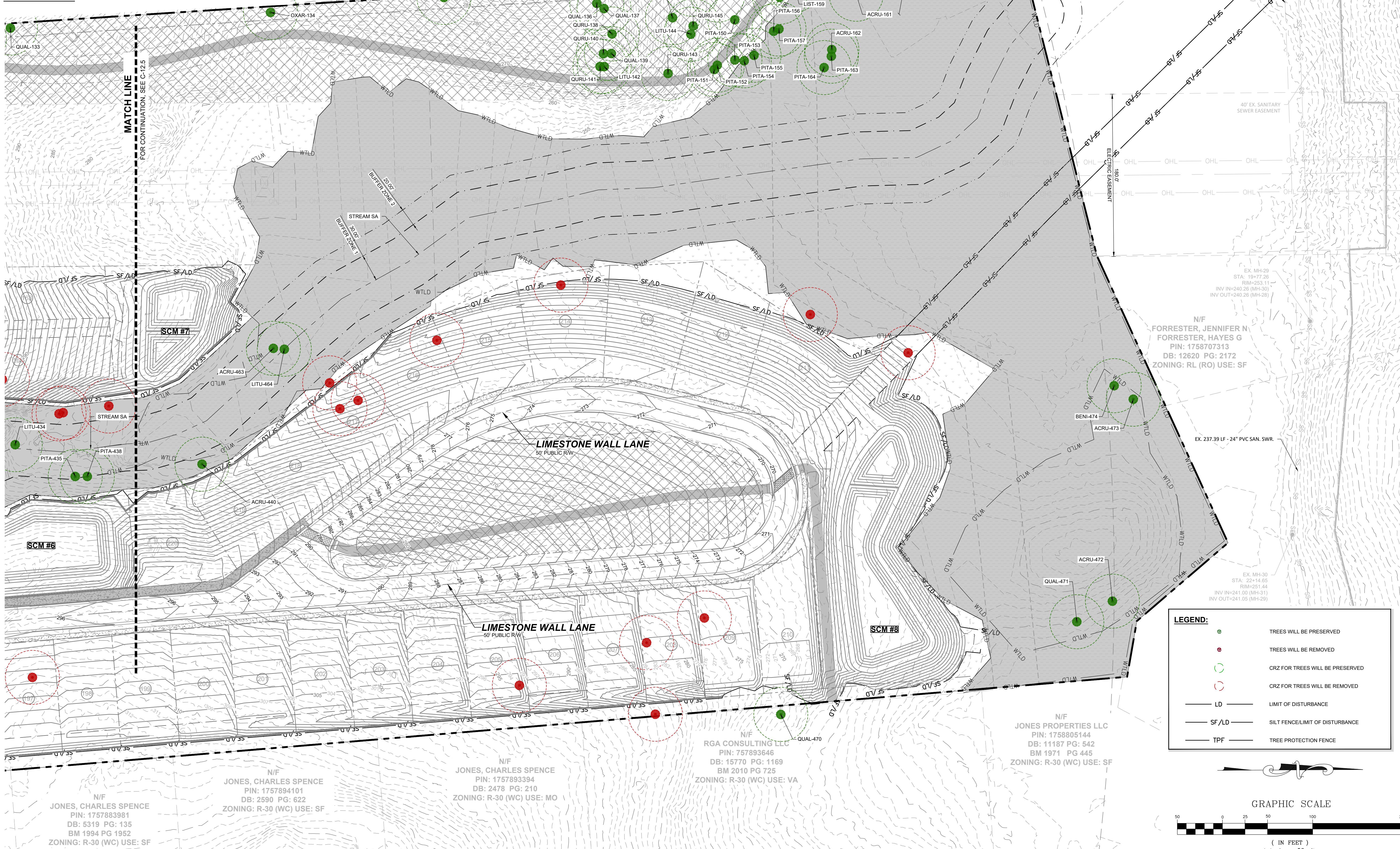
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PRESERVATION PLAN V

DRAWING SHEET  
**C-12.5**

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.

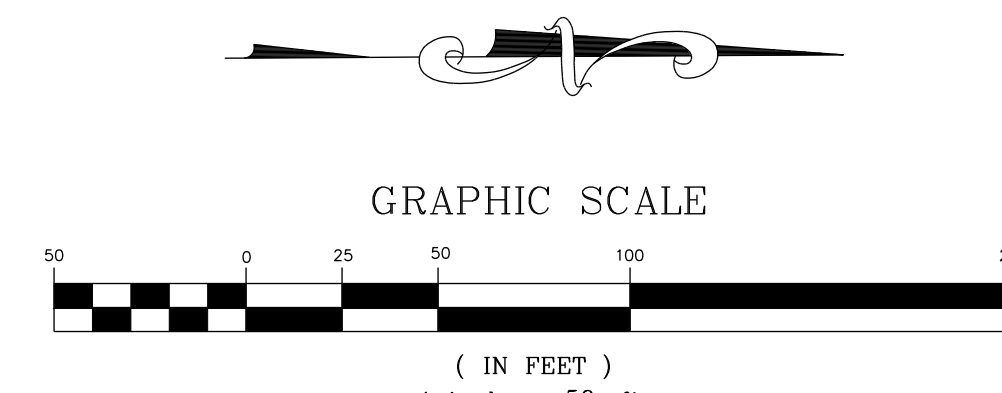


SITE KEY PLAN

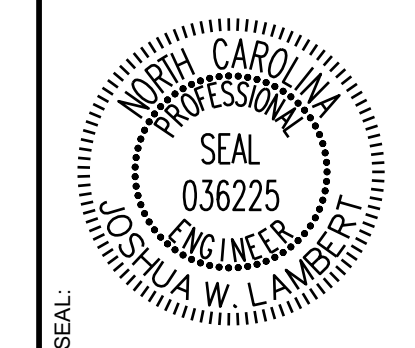


**LEGEND:**

- 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
- TPF — TREE PROTECTION FENCE



NO.	REVISIONS	DATE	BY
01			
02			



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

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

DRAWING SHEET  
**C-12.6**

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.

Table with 5 columns: TYPE, TREE CODE, CALIPER INCHES, CONDITION OVERALL. Lists trees to be preserved.

Table with 5 columns: TYPE, TREE CODE, CALIPER INCHES, CONDITION OVERALL. Lists trees to be preserved.

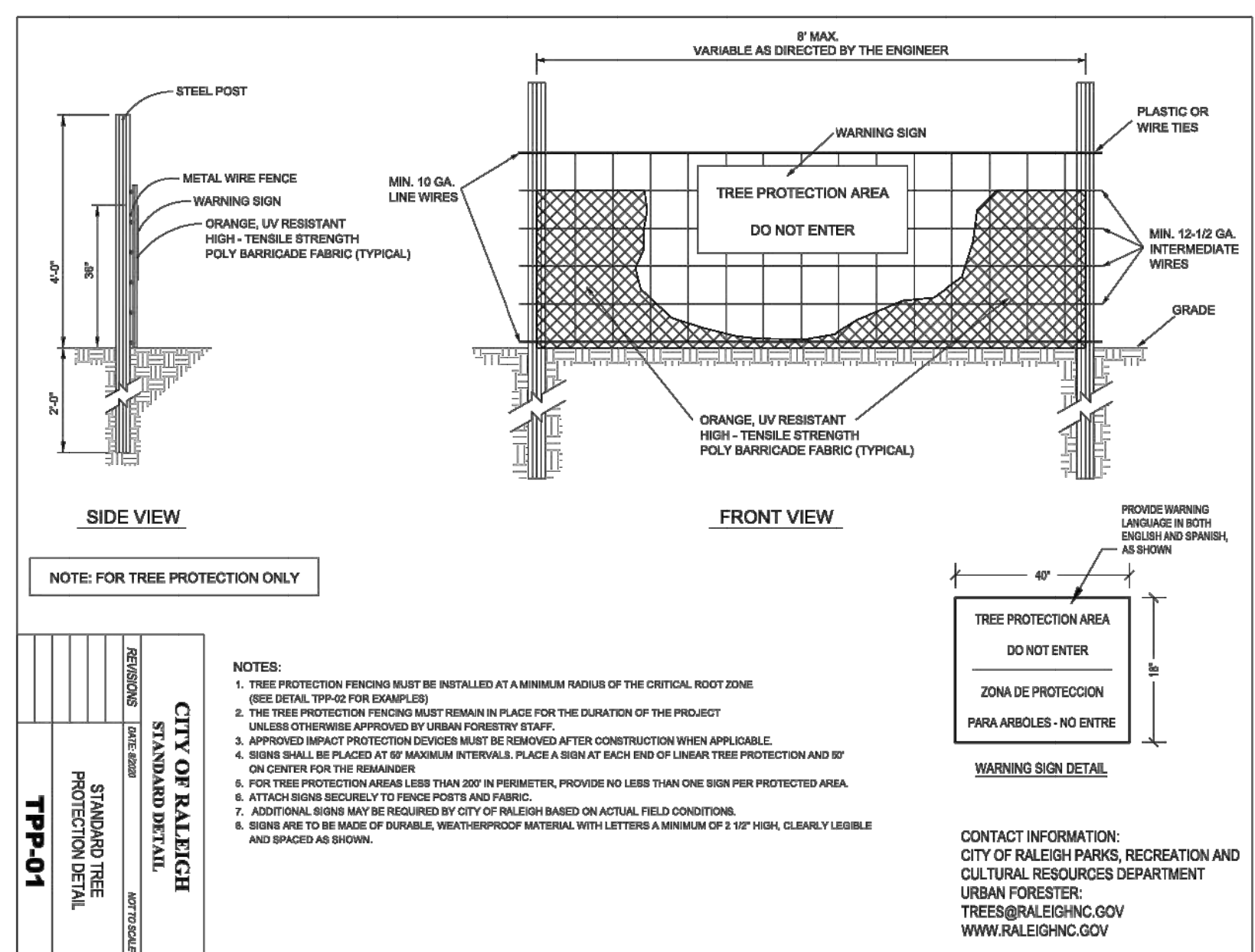
Table with 5 columns: TYPE, TREE CODE, CALIPER INCHES, CONDITION OVERALL. Lists trees to be preserved.

Table with 5 columns: TYPE, NO OF TREE, BOTANICAL NAME, CALIPER INCHES. Lists trees to be removed.

Table with 5 columns: TYPE, NO OF TREE, BOTANICAL NAME, CALIPER INCHES. Lists trees to be removed.

Table with 5 columns: TYPE, NO OF TREE, BOTANICAL NAME, CALIPER INCHES. Lists trees to be removed.

Table with 4 columns: TREE TYPE, CODE SECTION, CALIPER PER MIN, REPLACEMENT RATE, NUMBER OF QUALIFYING TREES, NUMBER OF REPLACEMENT TREES.

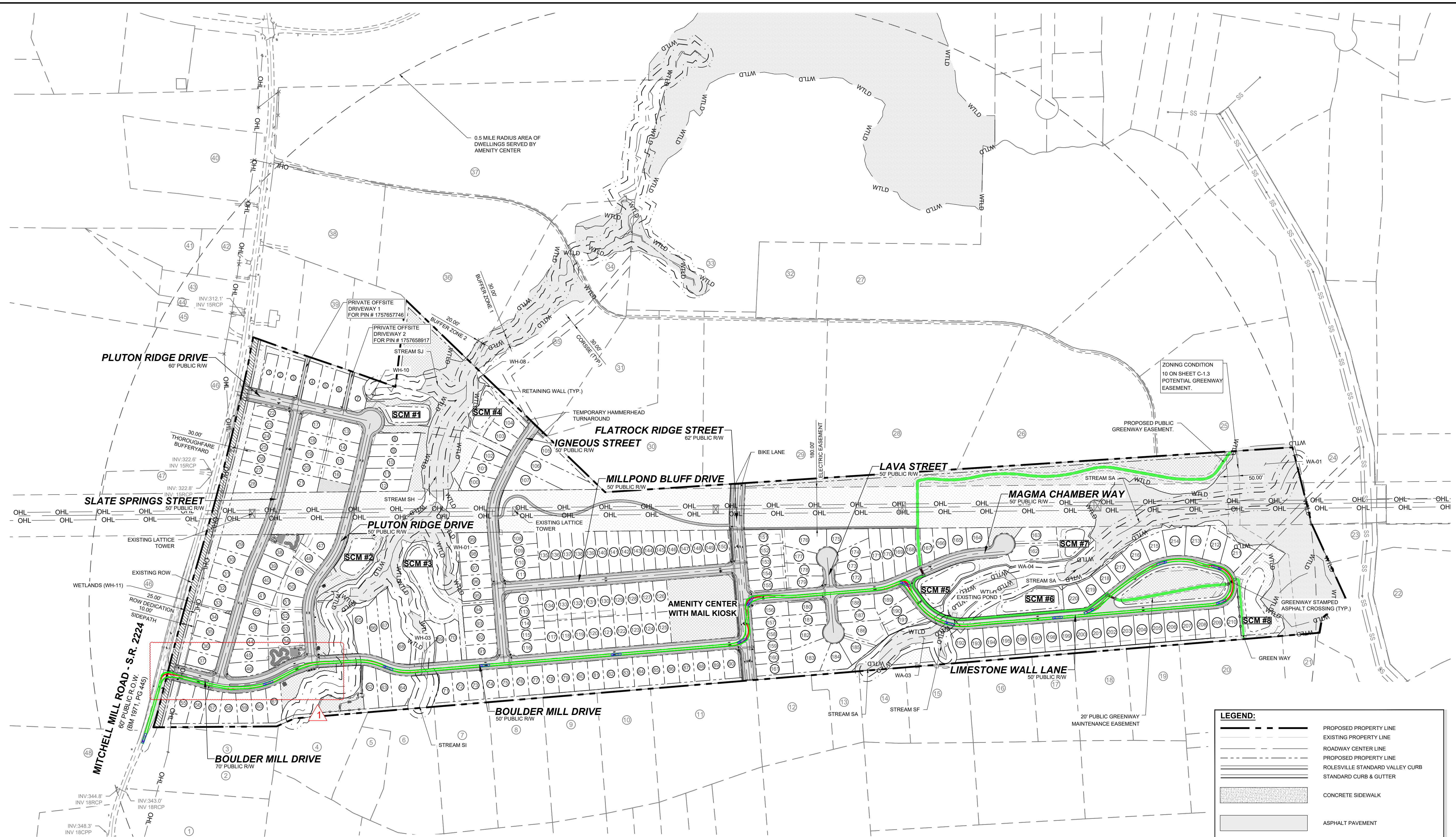


Professional seal and logo for STRONGROCK ENGINEERING GROUP. Includes name, license number, and company information.

Project title block for HILLS AT HARRIS CREEK CONSTRUCTION PLANS PRESEVATION TABLE. Includes drawing sheet number C-12.7 and page number 105 OF 129.

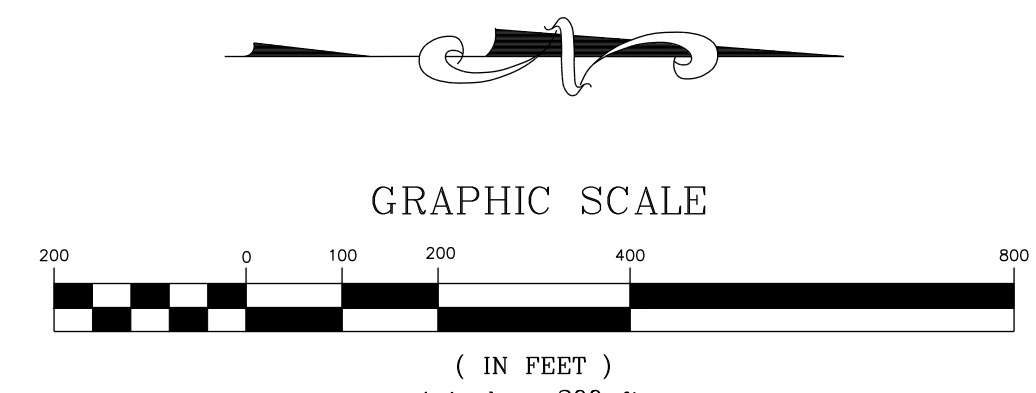
Summary table for replacement trees with columns: TREE TYPE, CODE SECTION, CALIPER PER MIN, REPLACEMENT RATE, NUMBER OF QUALIFYING TREES, NUMBER OF REPLACEMENT TREES.

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**LEGEND:**

- PROPOSED PROPERTY LINE
- - - EXISTING PROPERTY LINE
- ROADWAY CENTER LINE
- - - PROPOSED PROPERTY LINE
- ROLESVILLE STANDARD VALLEY CURB
- STANDARD CURB & GUTTER
- ▨ CONCRETE SIDEWALK
- ▨ ASPHALT PAVEMENT
- ▨ OPEN SPACE
- WTLD EXISTING WETLAND
- WTLD
- TRUCK BODY PATH OUTLINE
- WHEELS PATH OUTLINE
- ▭ FIRE TRUCK



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NO.	REVISIONS	DATE	BY
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02			

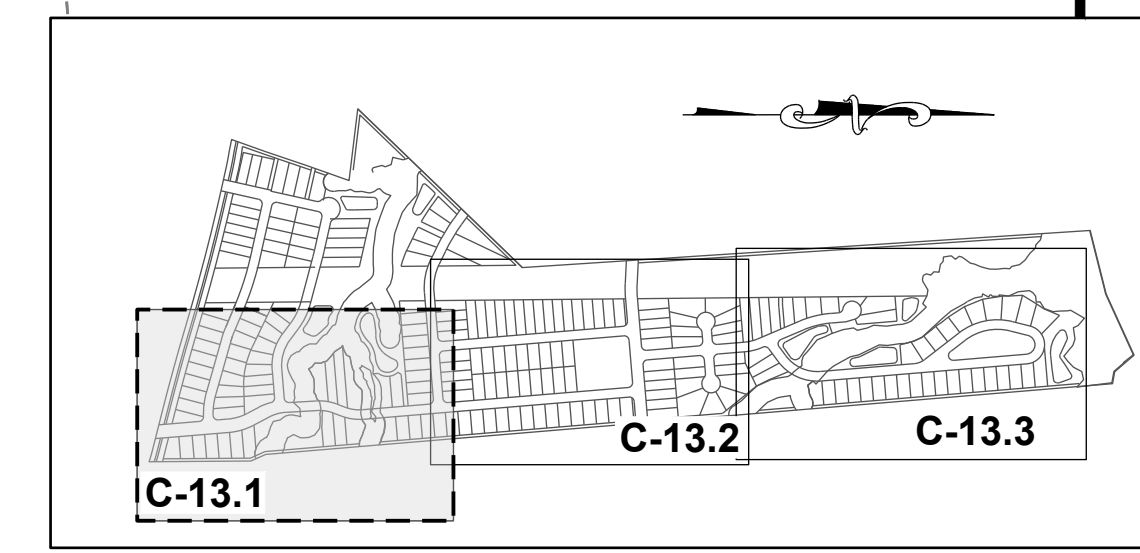
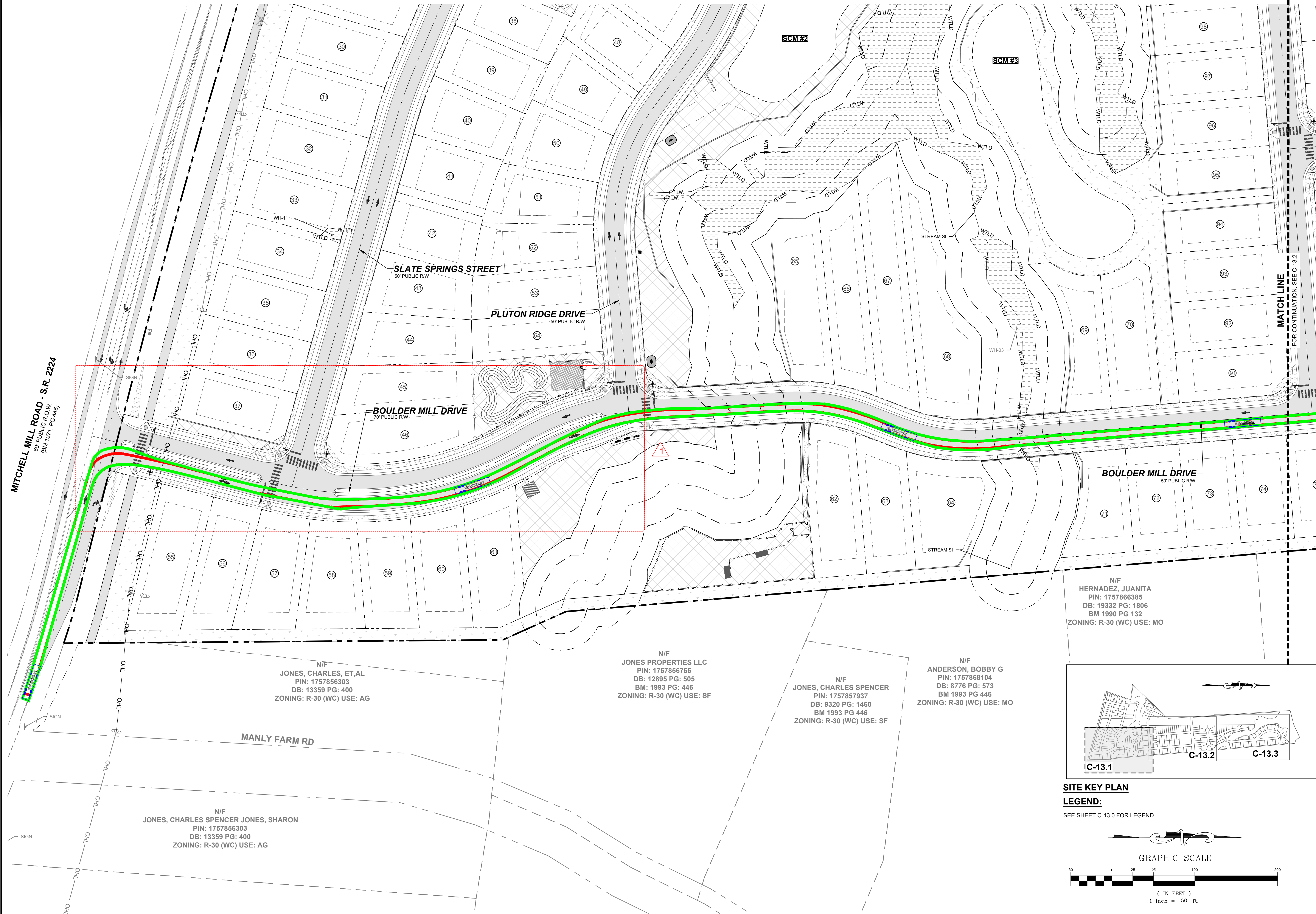
**STRONGROCK**  
ENGINEERING GROUP

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

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

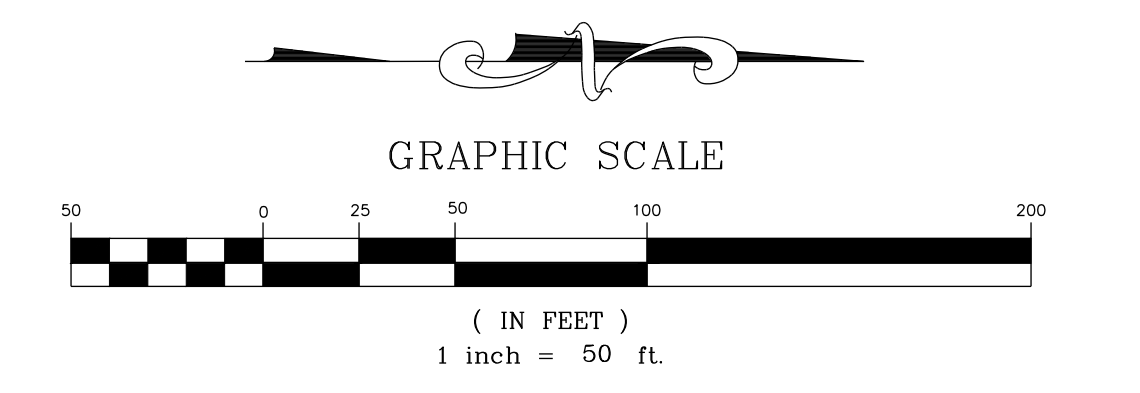
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**OVERALL FIRE PLAN**

DRAWING SHEET  
**C-13.0**

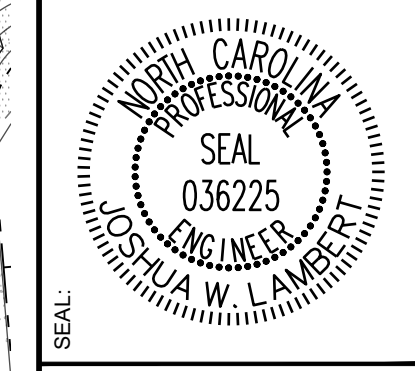


**SITE KEY PLAN**

**LEGEND:**  
SEE SHEET C-13.0 FOR LEGEND.



No.	REVISIONS	DATE	BY
01			
02			

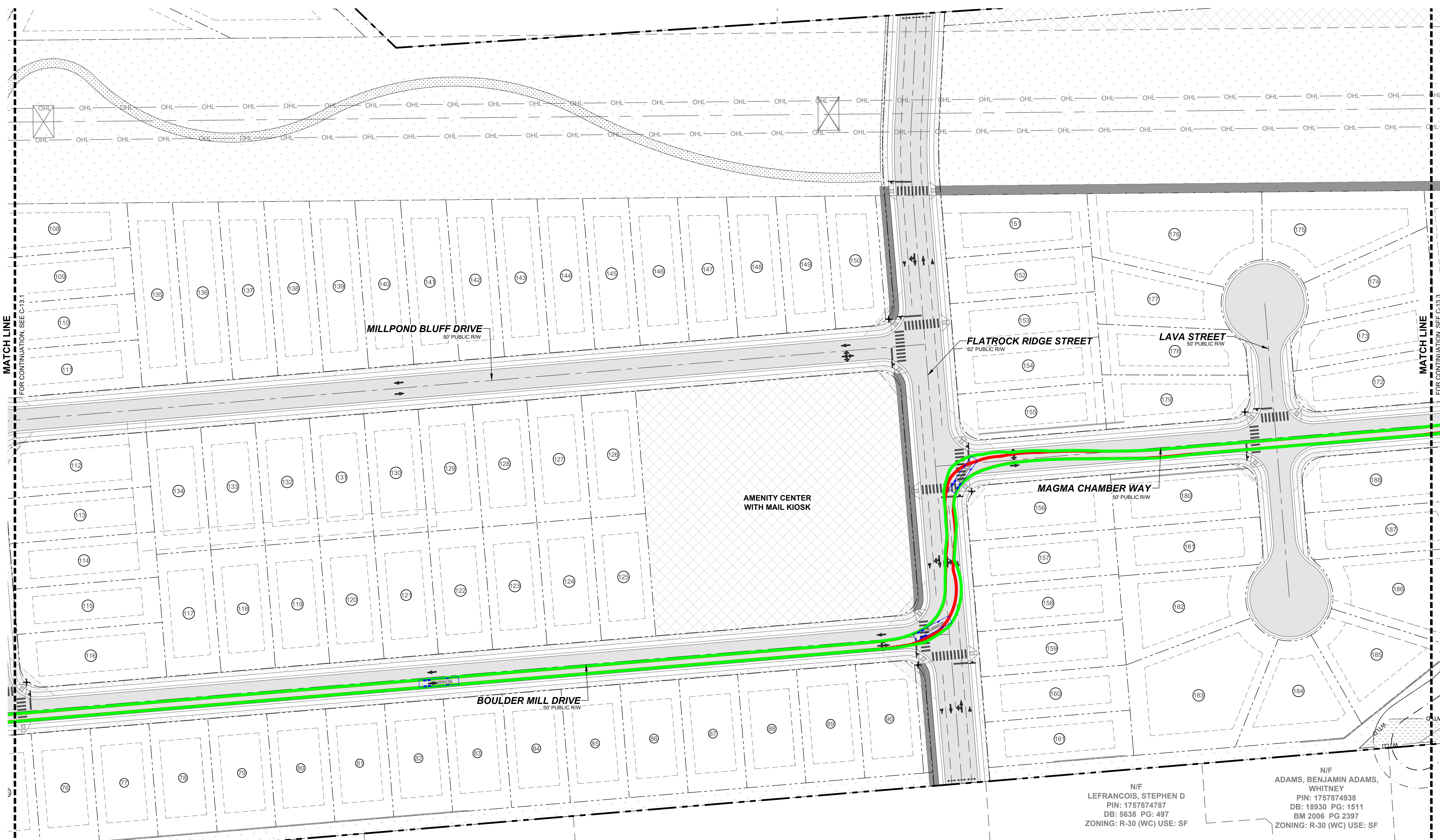


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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

**DRAWING SHEET**  
**C-13.1**



MATCH LINE  
FOR CONTINUATION, SEE C-13.1

MATCH LINE  
FOR CONTINUATION, SEE C-13.3

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

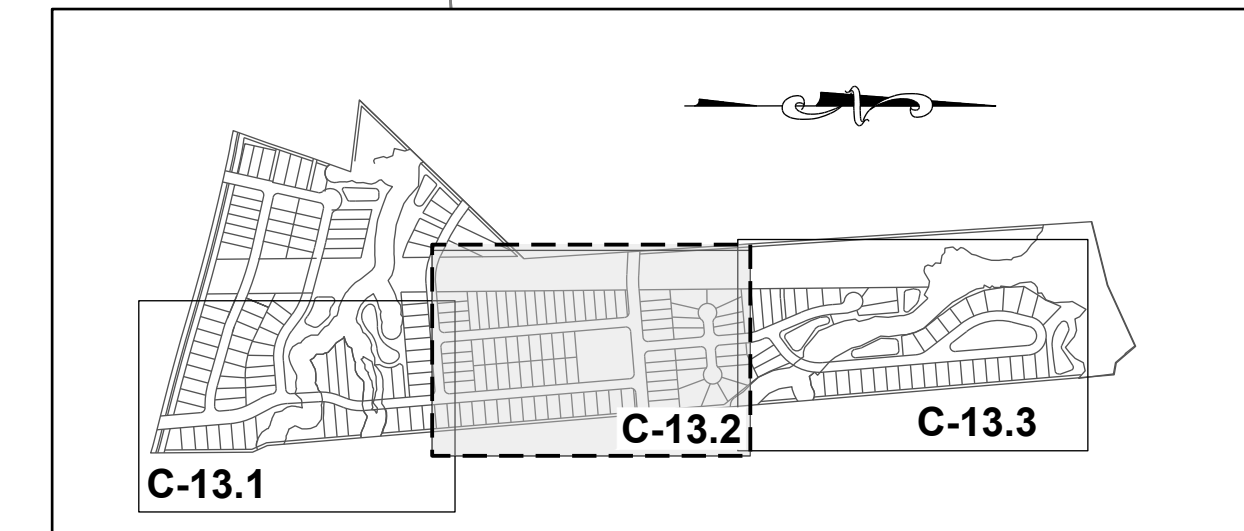
N/F  
LEFRANCOIS CONSTRUCTION CO INC  
PIN: 1757866852  
DB: 18468 PG: 2535  
BM 2002 PG 352  
ZONING: R-30 (WC) USE: VA

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

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

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

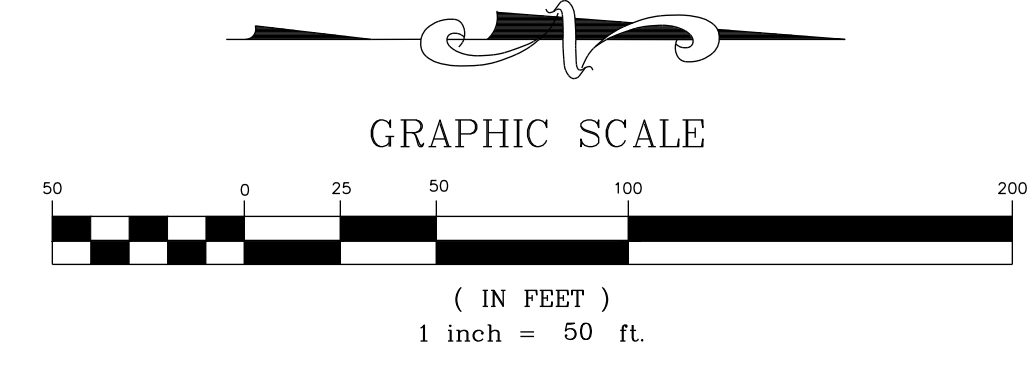
N/F  
ADAMS, BENJAMIN ADAMS,  
WHITNEY  
PIN: 1757874938  
DB: 18930 PG: 1511  
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ZONING: R-30 (WC) USE: SF



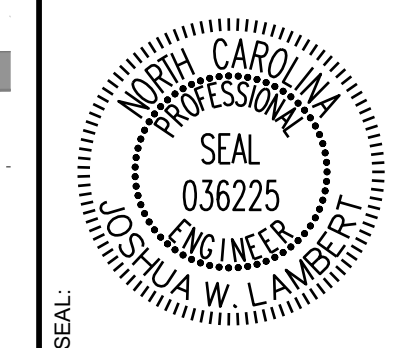
SITE KEY PLAN

LEGEND:

SEE SHEET C-13.0 FOR LEGEND.



NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

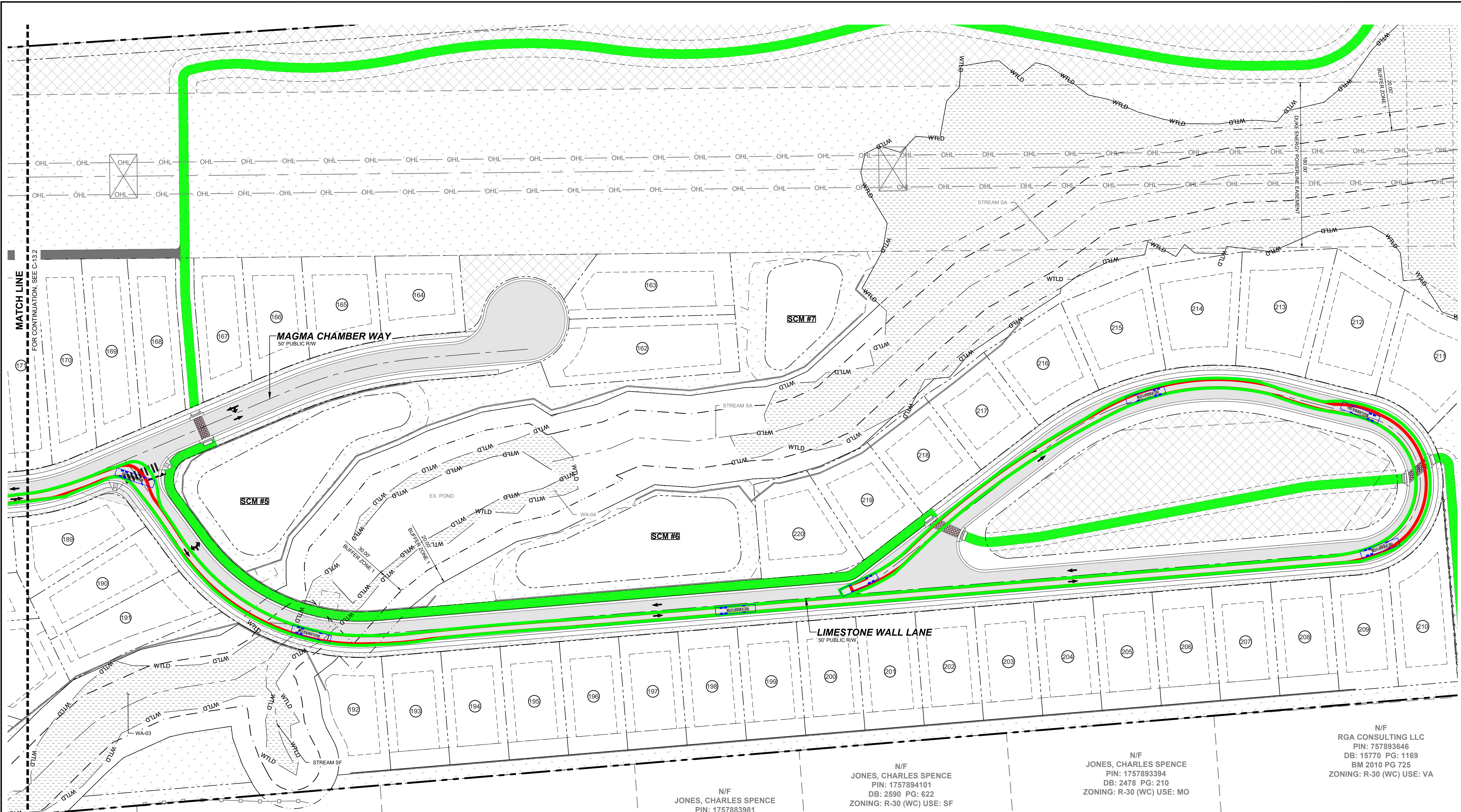
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET  
C-13.2

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**MATCH LINE**  
FOR CONTINUATION, SEE C-13.2

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

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

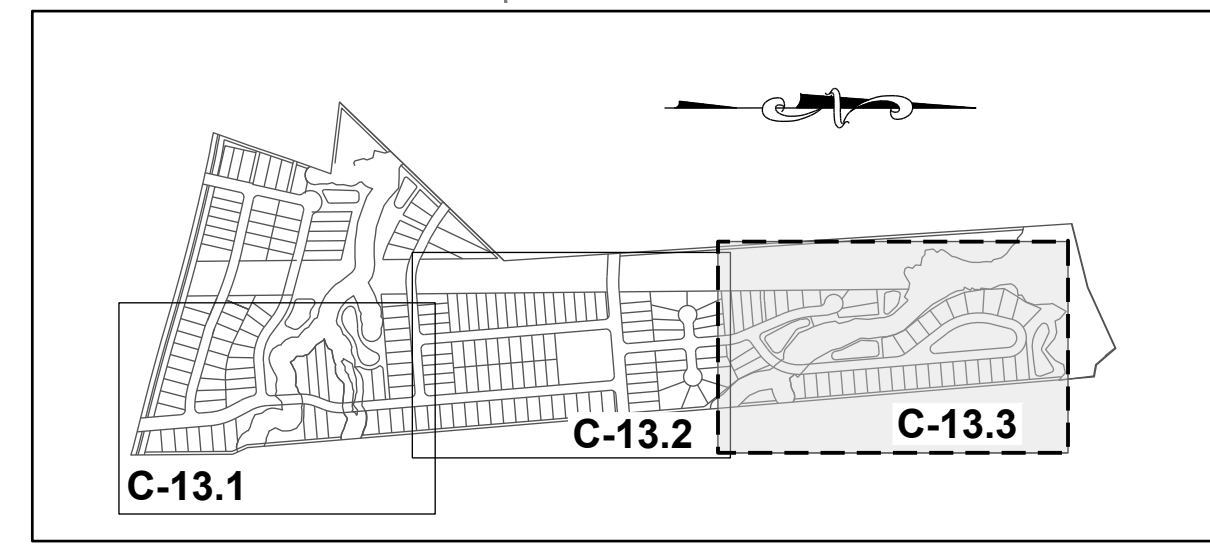
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JONES, CHARLES SPENCE  
PIN: 1757884608  
DB: 5319 PG: 135  
BM 1994 PG 1952  
ZONING: R-30 (WC) USE: SF

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

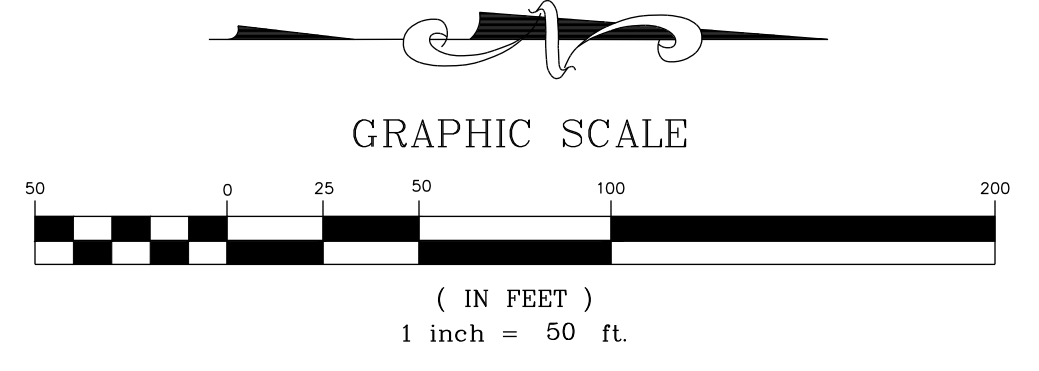
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JONES, CHARLES SPENCE  
PIN: 1757894101  
DB: 2590 PG: 622  
ZONING: R-30 (WC) USE: SF

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

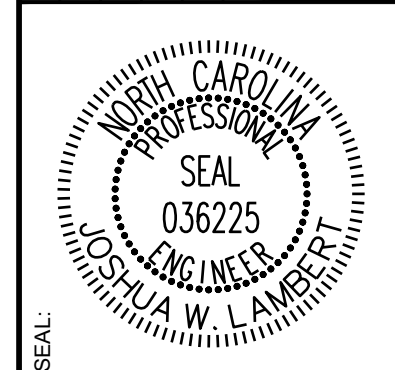
N/F  
RGA CONSULTING LLC  
PIN: 757893646  
DB: 15770 PG: 1169  
BM 2010 PG 725  
ZONING: R-30 (WC) USE: VA



**SITE KEY PLAN**  
**LEGEND:**  
SEE SHEET C-13.0 FOR LEGEND.



NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK**  
ENGINEERING GROUP

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

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

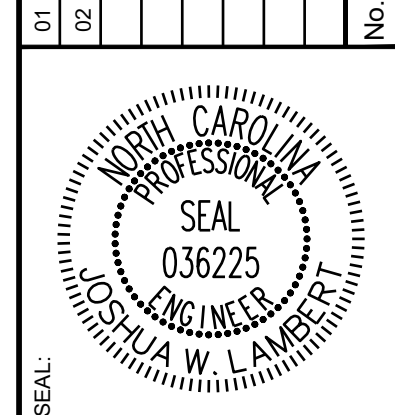
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**FIRE PLAN III**

DRAWING SHEET  
**C-13.3**

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



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



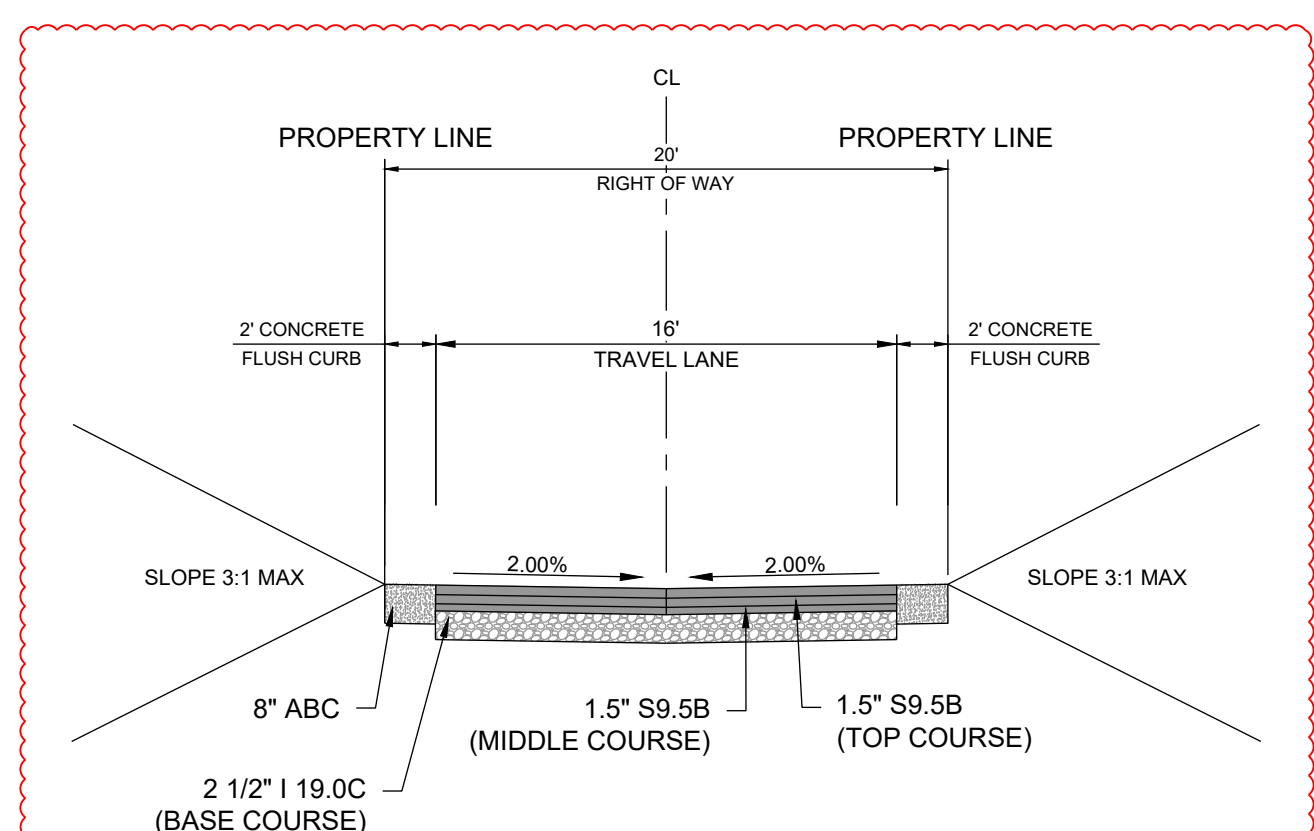
**STRONGROCK**  
ENGINEERING GROUP

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

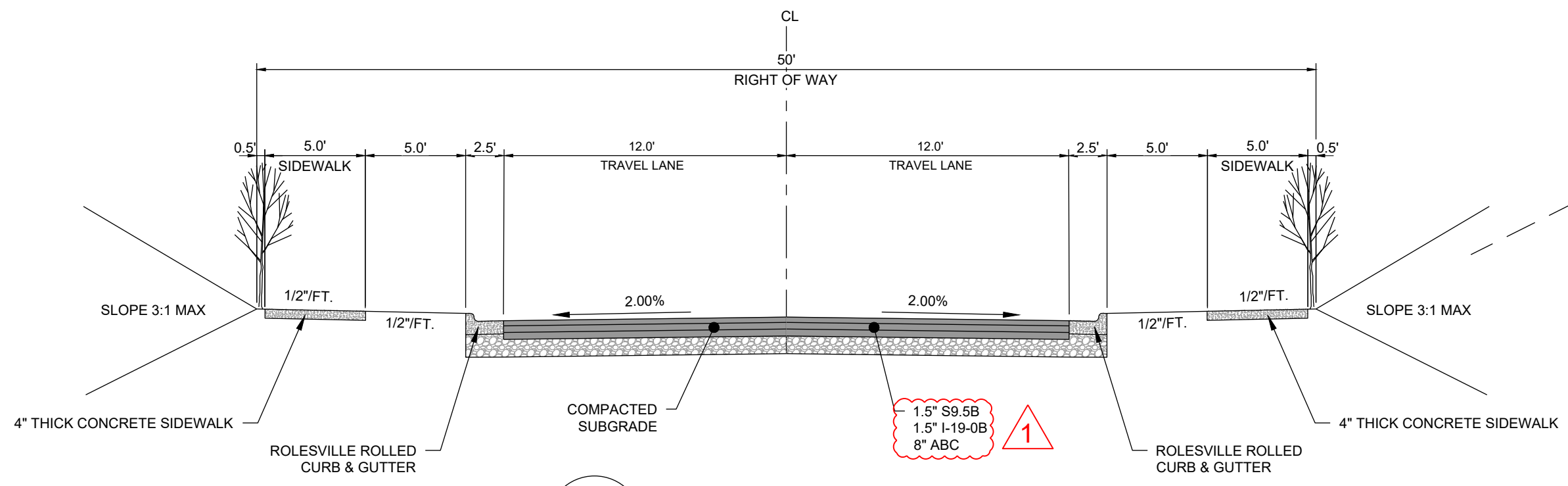
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
---------------------	----------------------	----------------	-----------------	--------------	----------------

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

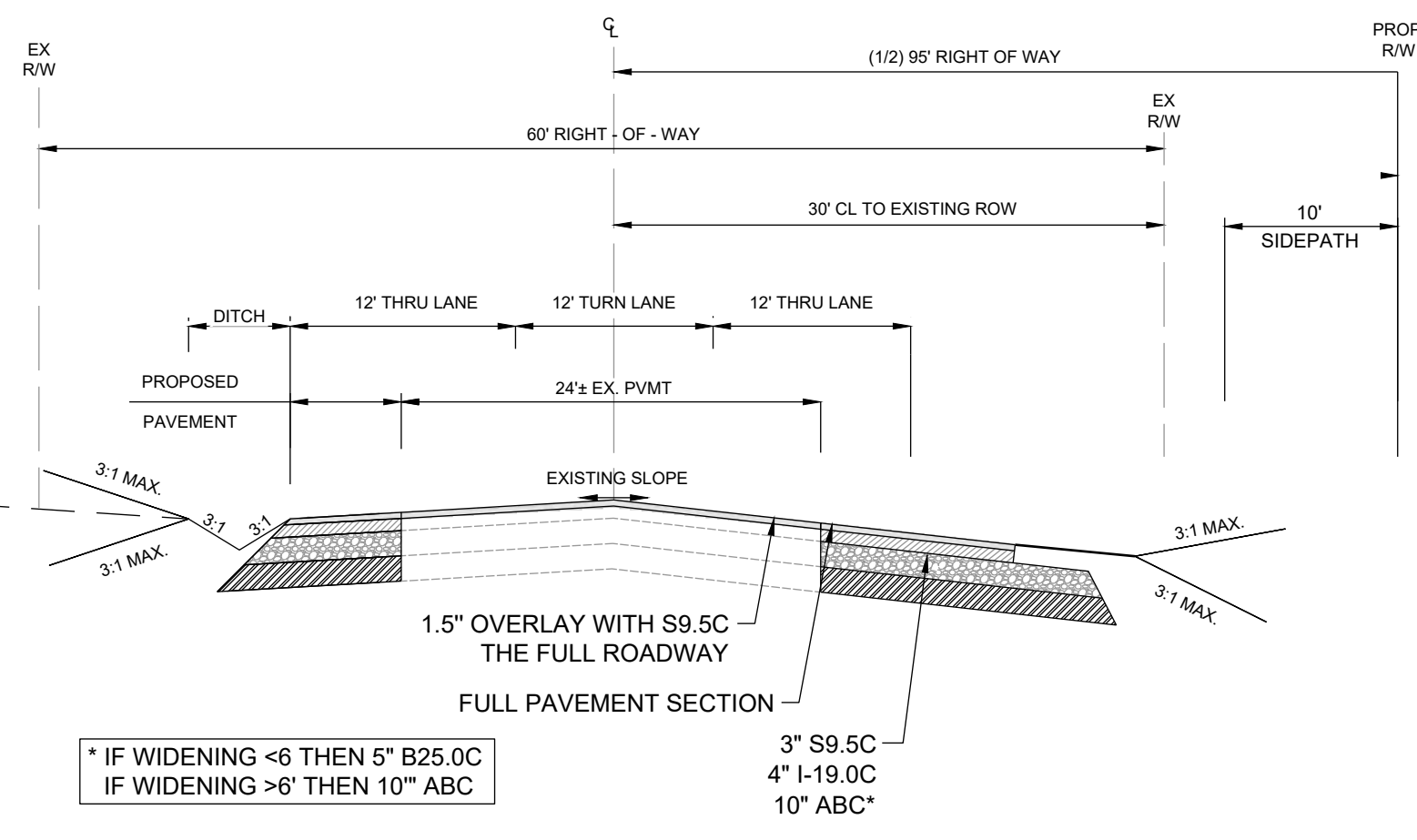
DRAWING SHEET  
**D-1.0**



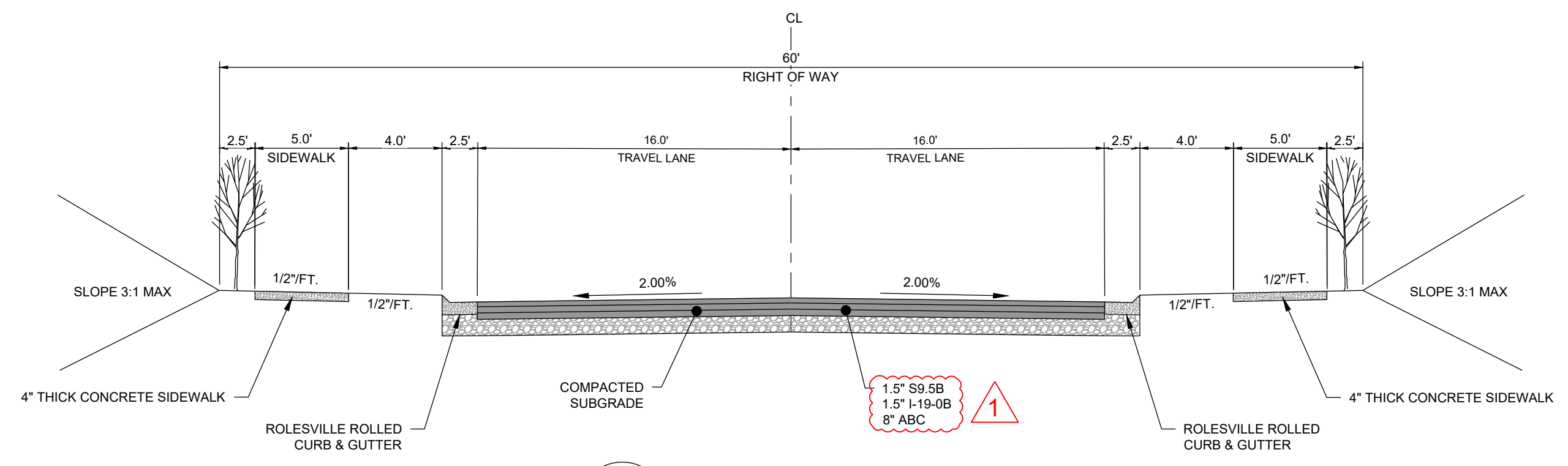
**1 20' PRIVATE OFFSITE DRIVEWAY SECTION - 20' ROW**  
SCALE: D-1.0



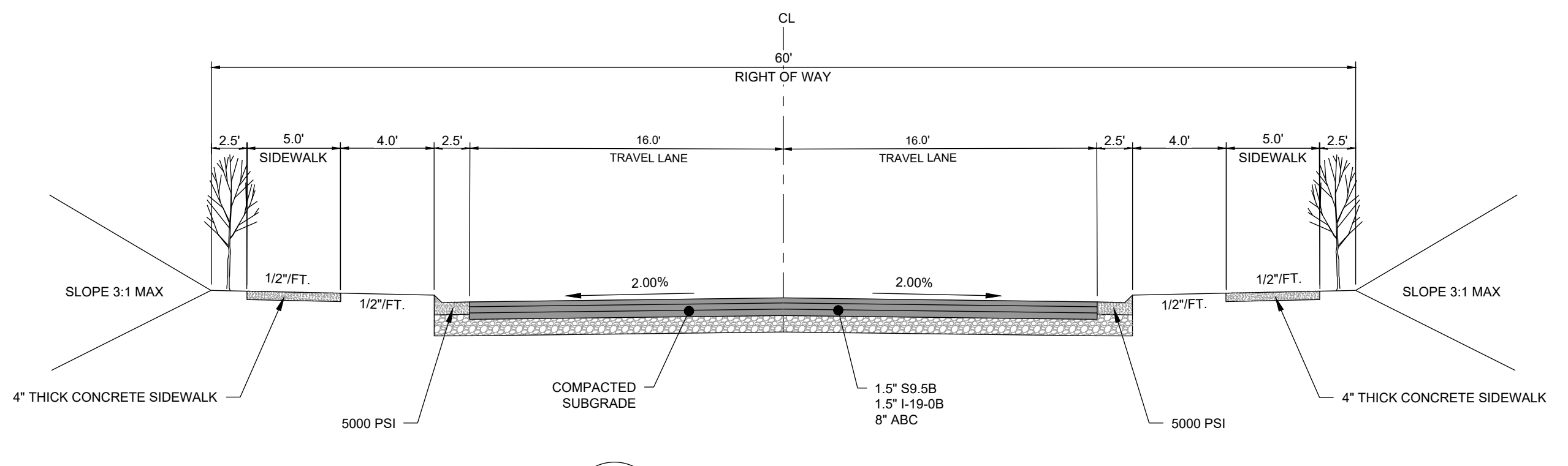
**2 TYPICAL CROSS SECTION - 50' ROW**  
SCALE: D-1.0



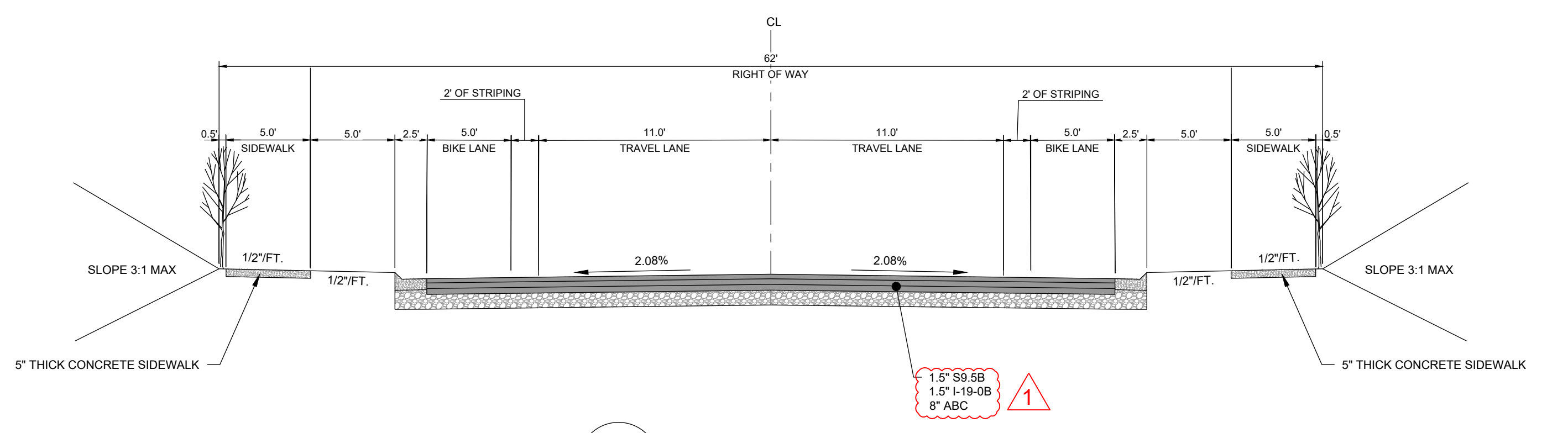
**3 MITCHELL MILL RD ROADWAY IMPROVEMENTS**  
SCALE: D-1.0



**4 TYPICAL CROSS SECTION - 60' ROW**  
SCALE: D-1.0

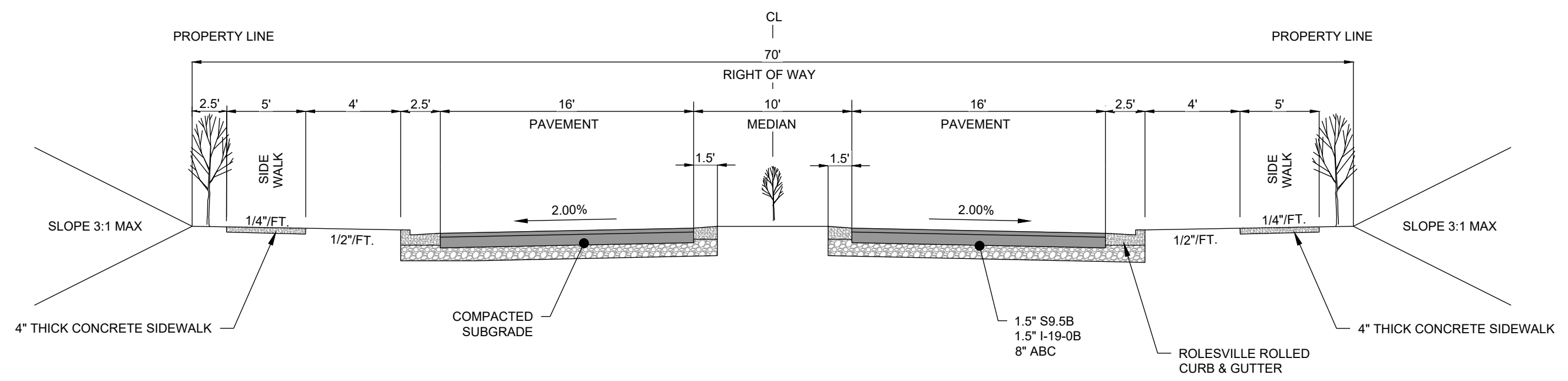


**4 TYPICAL CROSS SECTION - 60' ROW**  
SCALE: D-1.0



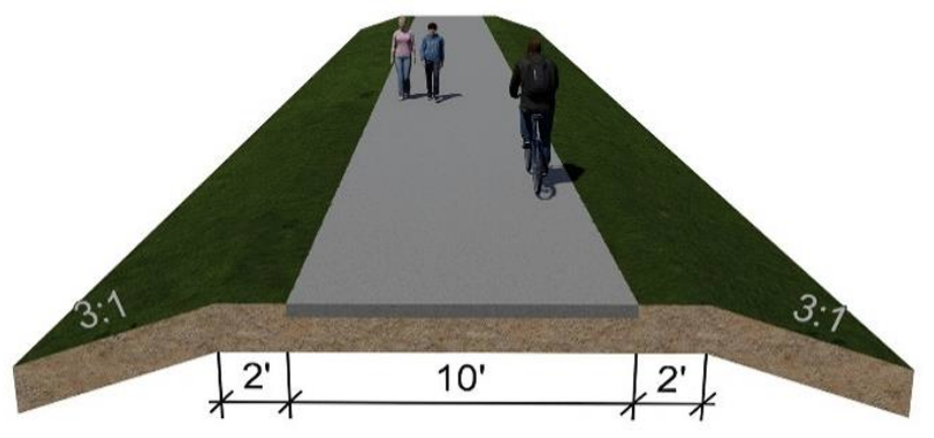
**5 TYPICAL CROSS SECTION - 62' ROW**  
SCALE: D-1.0

NOTE: TYPICAL CROSS SECTION AS PER TOWN OF ROLESVILLE BICYCLE PLAN PAGE 72. GRANITE FALLS BLVD SEPARATED BIKE LANES.



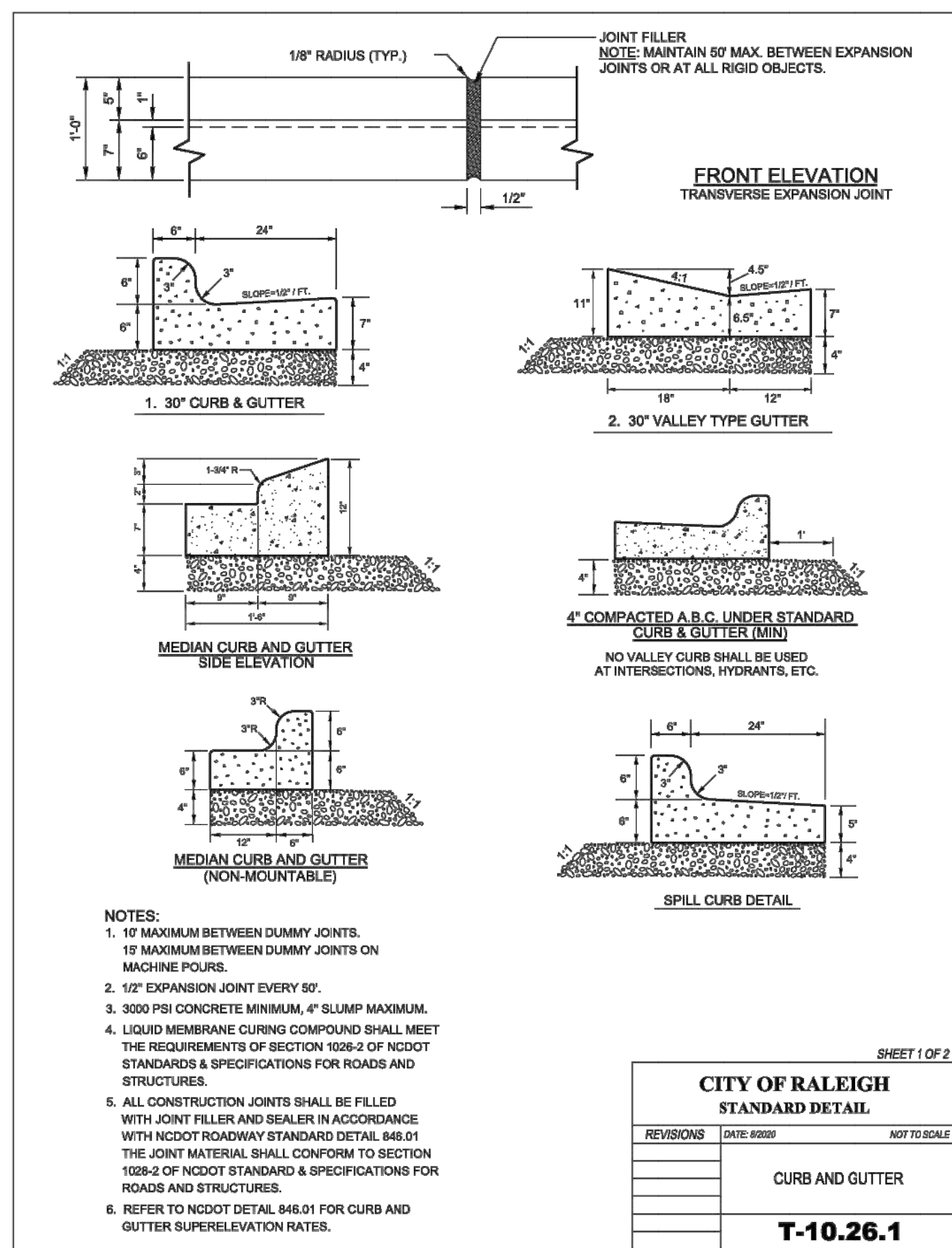
**6 TYPICAL CROSS SECTION - 70' ROW**  
SCALE: D-1.0

NOTE: THE MINIMUM PAVEMENT SECTION FOR ALL TOWN ROADWAYS INCLUDES 3-INCHES OF ASPHALT AND 8-INCHES OF ABC. SURFACE MIX IS REQUIRED TO BE THE TOP LAYER IN ANY PAVEMENT DESIGN. THE ASPHALT SHALL BE PLACED IN TWO 1.5-INCH LIFTS, FOR 3-INCH PAVEMENT.



**7 TYPICAL GREENWAY SECTION**  
SCALE: D-2.0

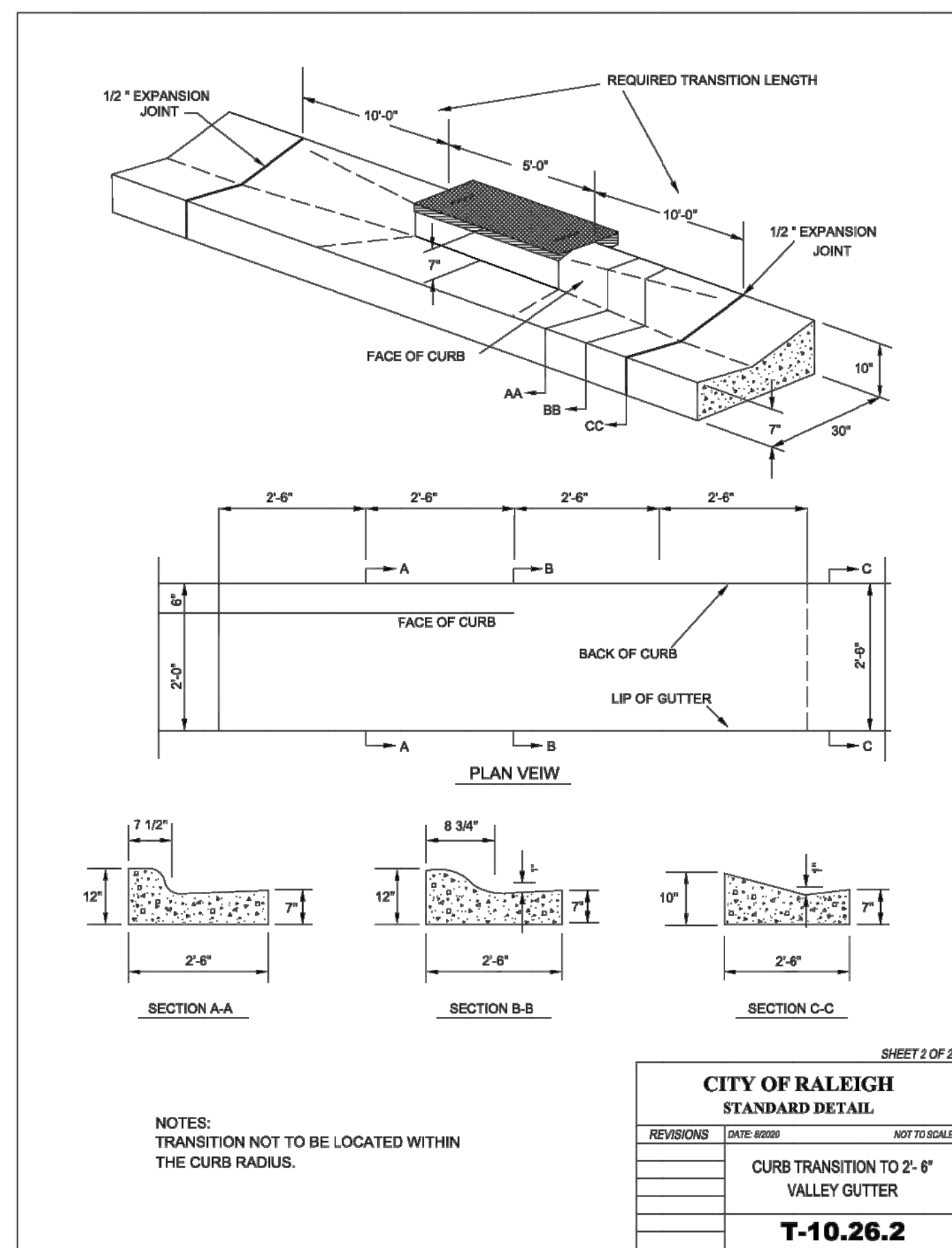




**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

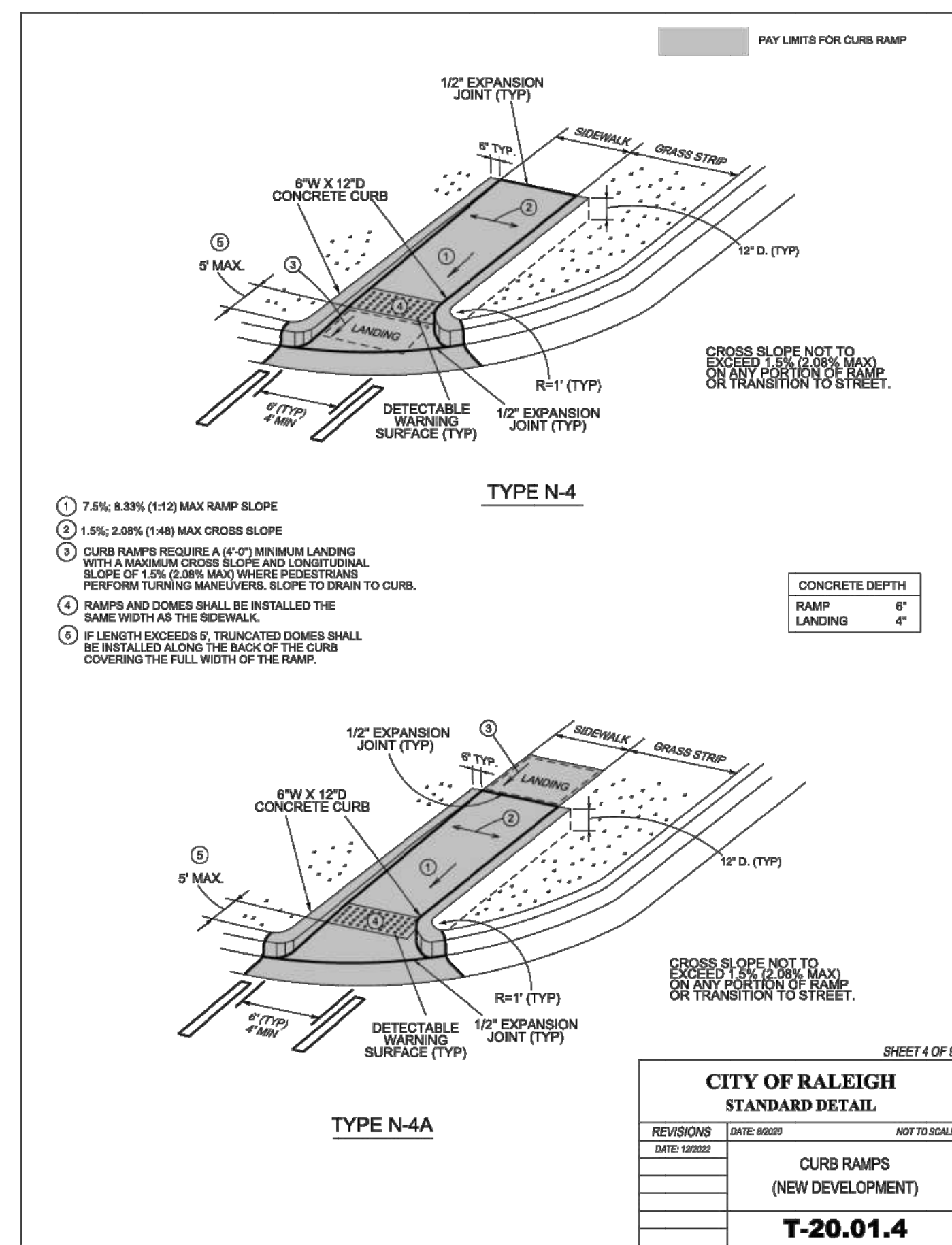
**T-10.26.1**



**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

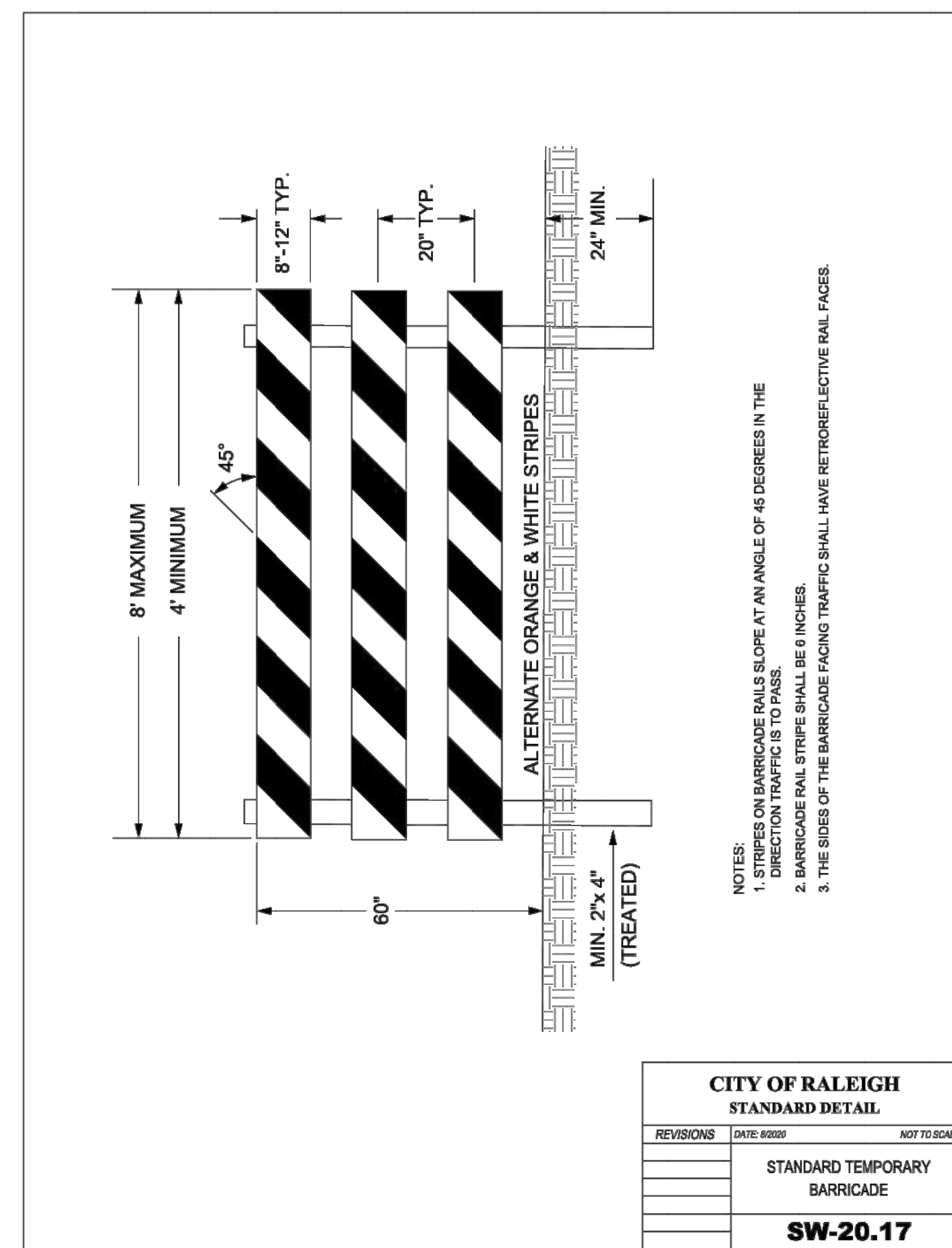
**T-10.26.2**



**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

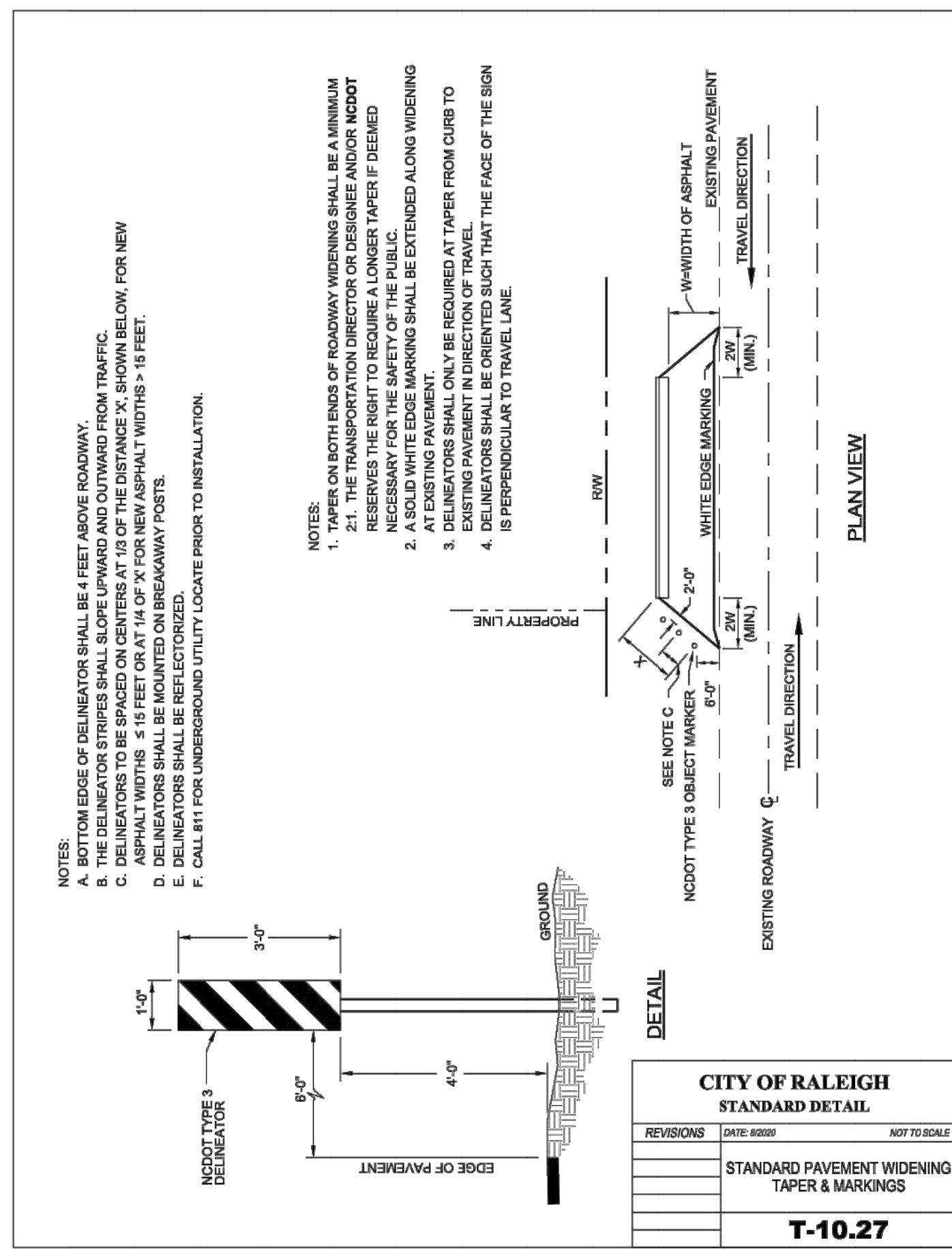
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**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

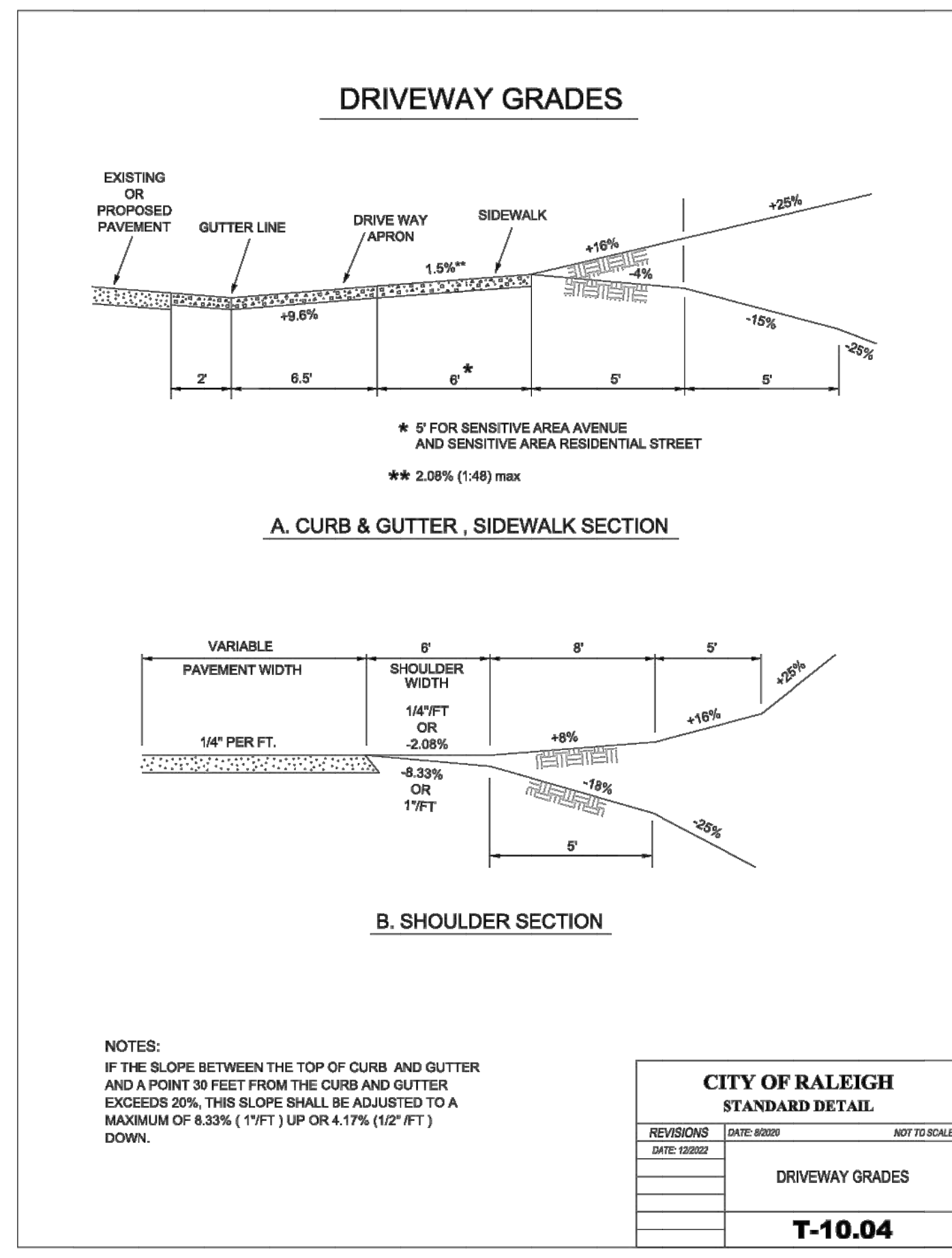
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**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

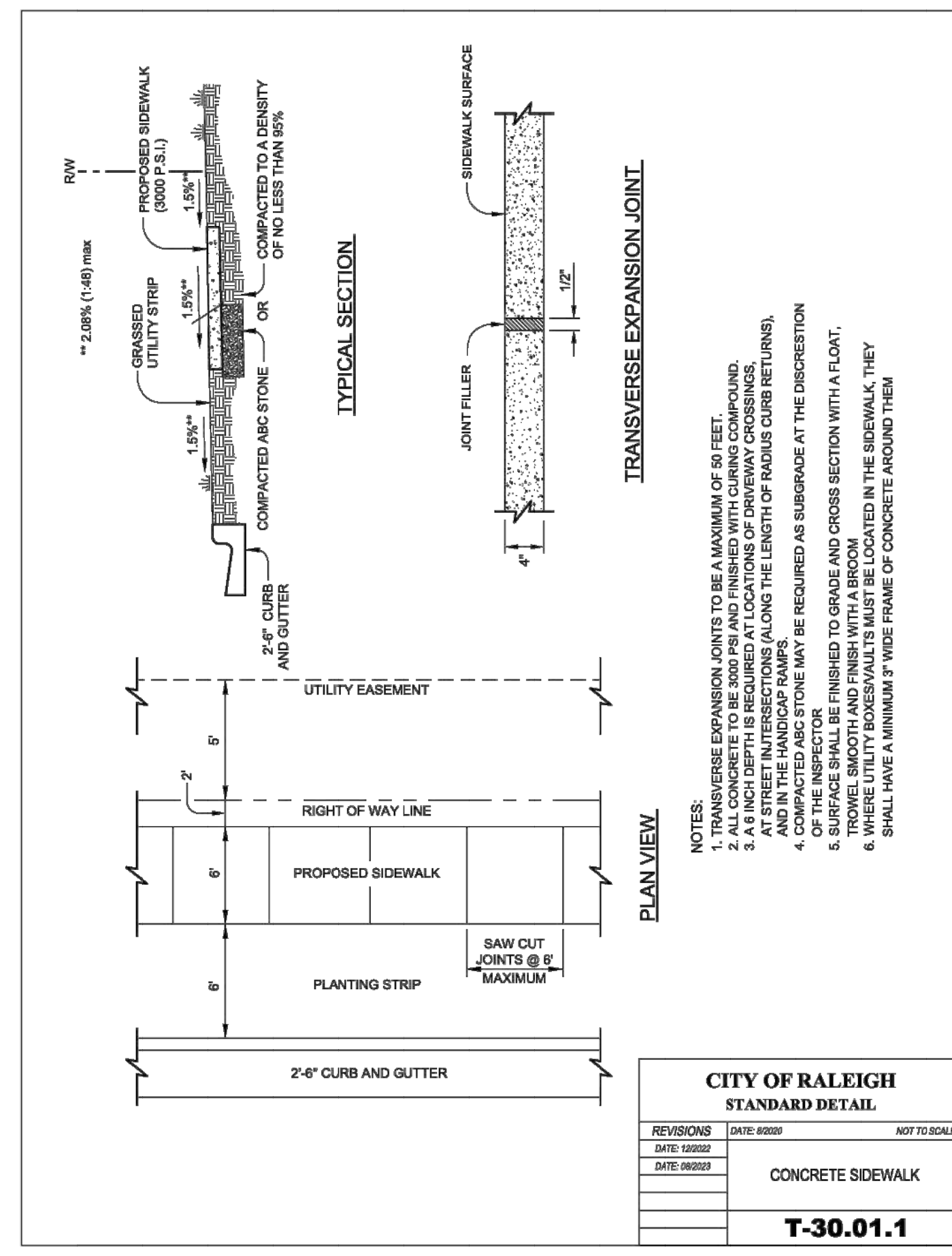
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**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

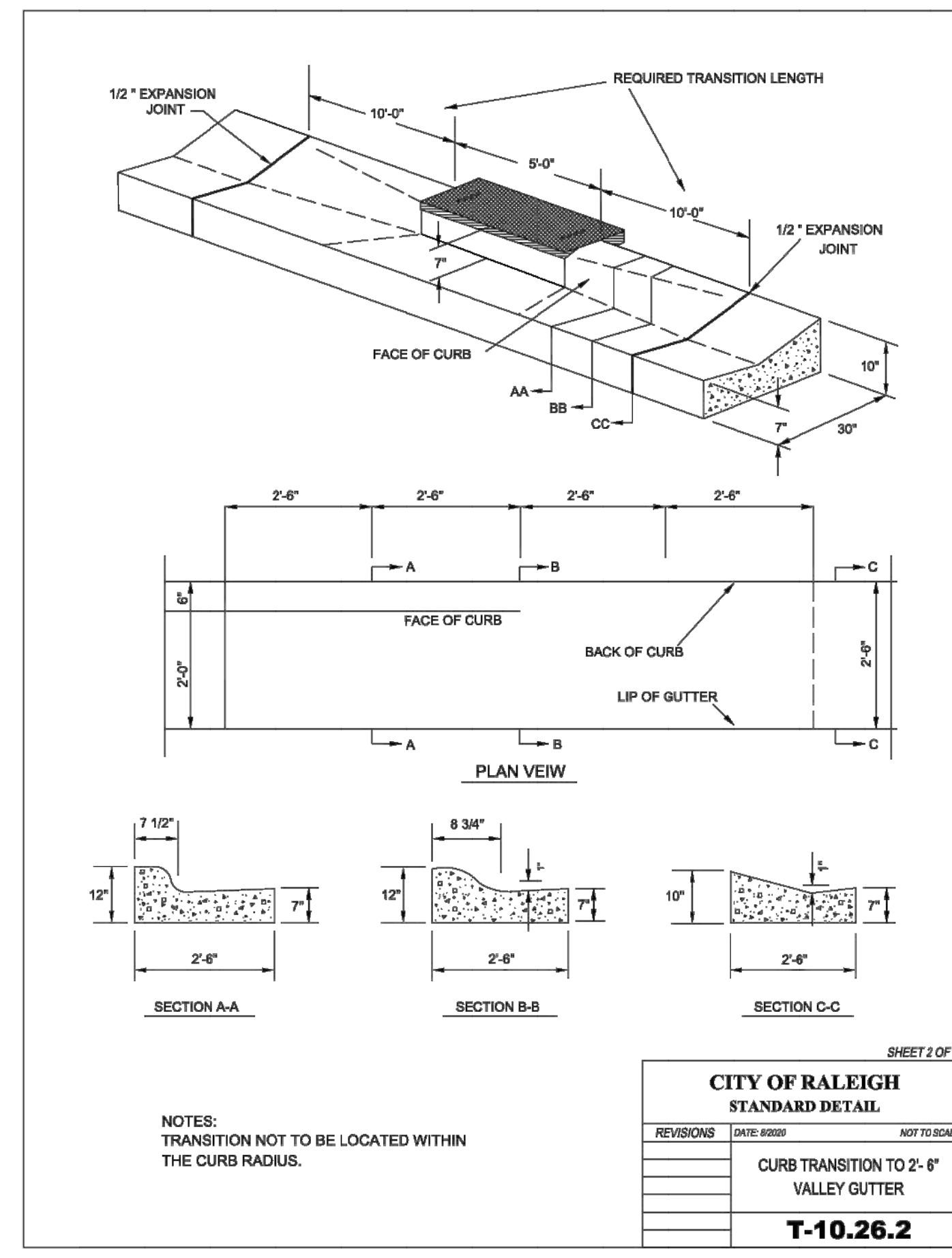
**T-10.04**



**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

**T-30.01.1**



**CITY OF RALEIGH**  
STANDARD DETAIL

REVISIONS	DATE	BY	NOT TO SCALE
	08/09		

**T-10.26.2**

NO.	REVISIONS	DATE	BY
01			
02			

**STRONGROCK**  
ENGINEERING GROUP

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 036225  
JUSTIN W. LAMBERT

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

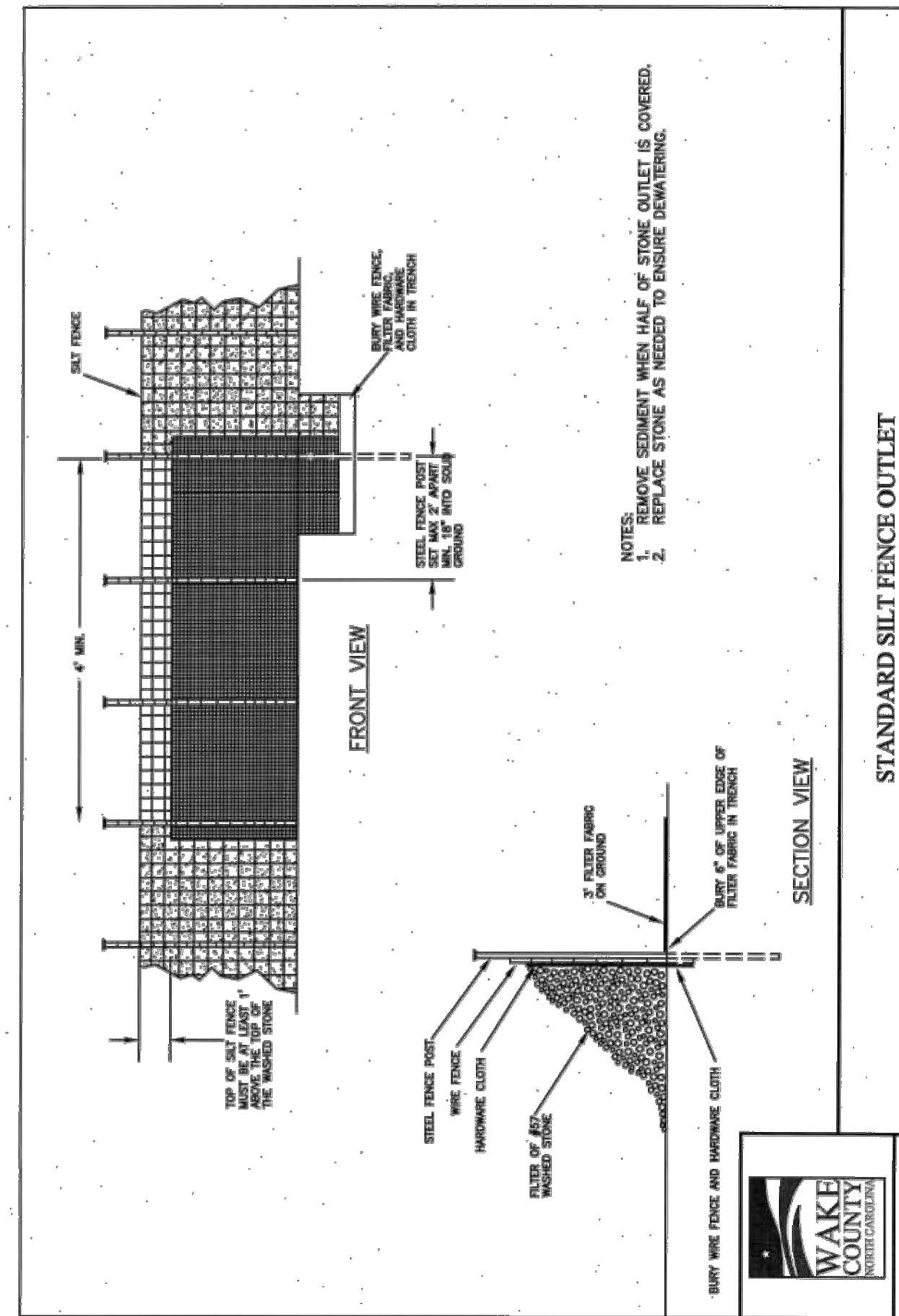
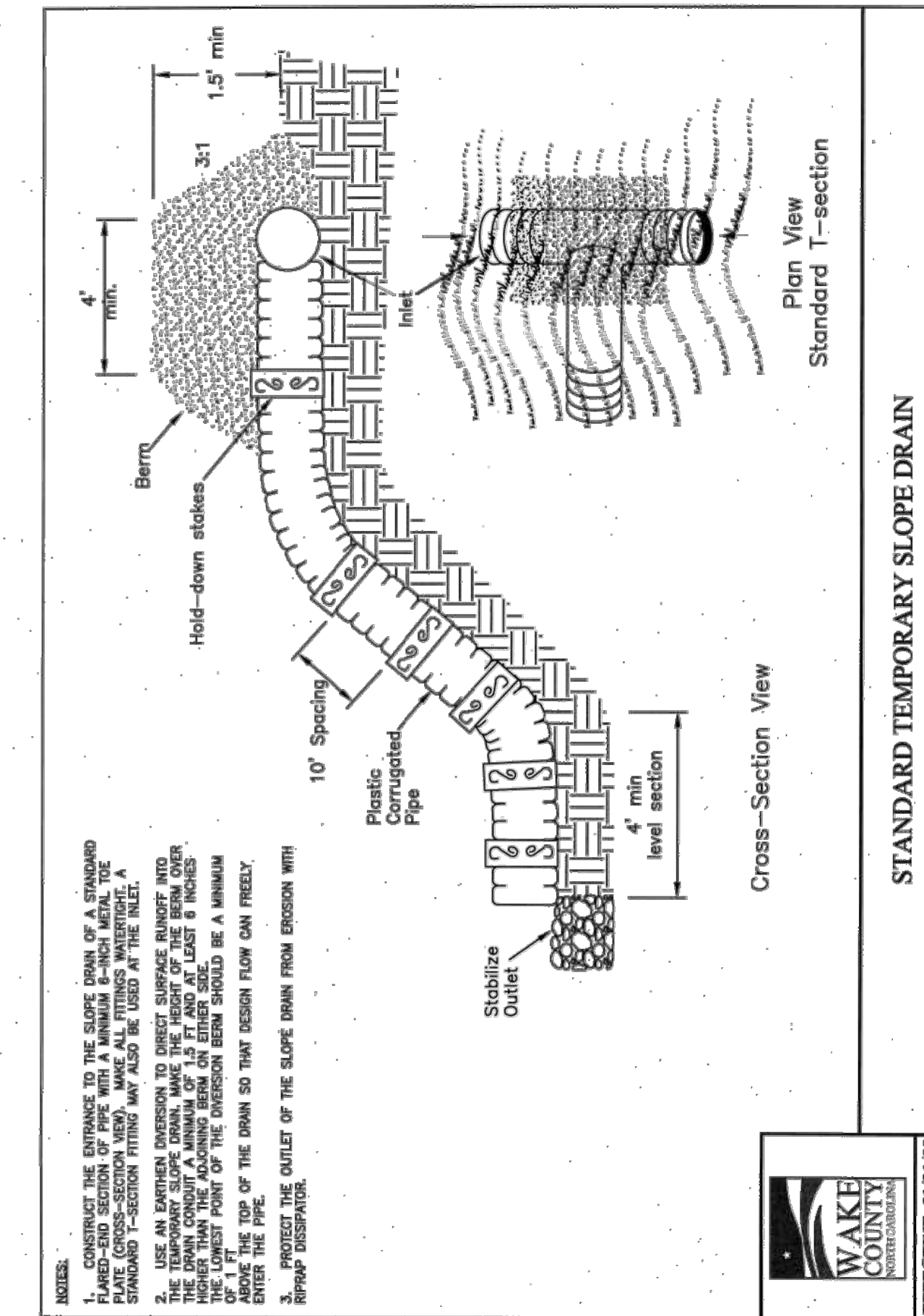
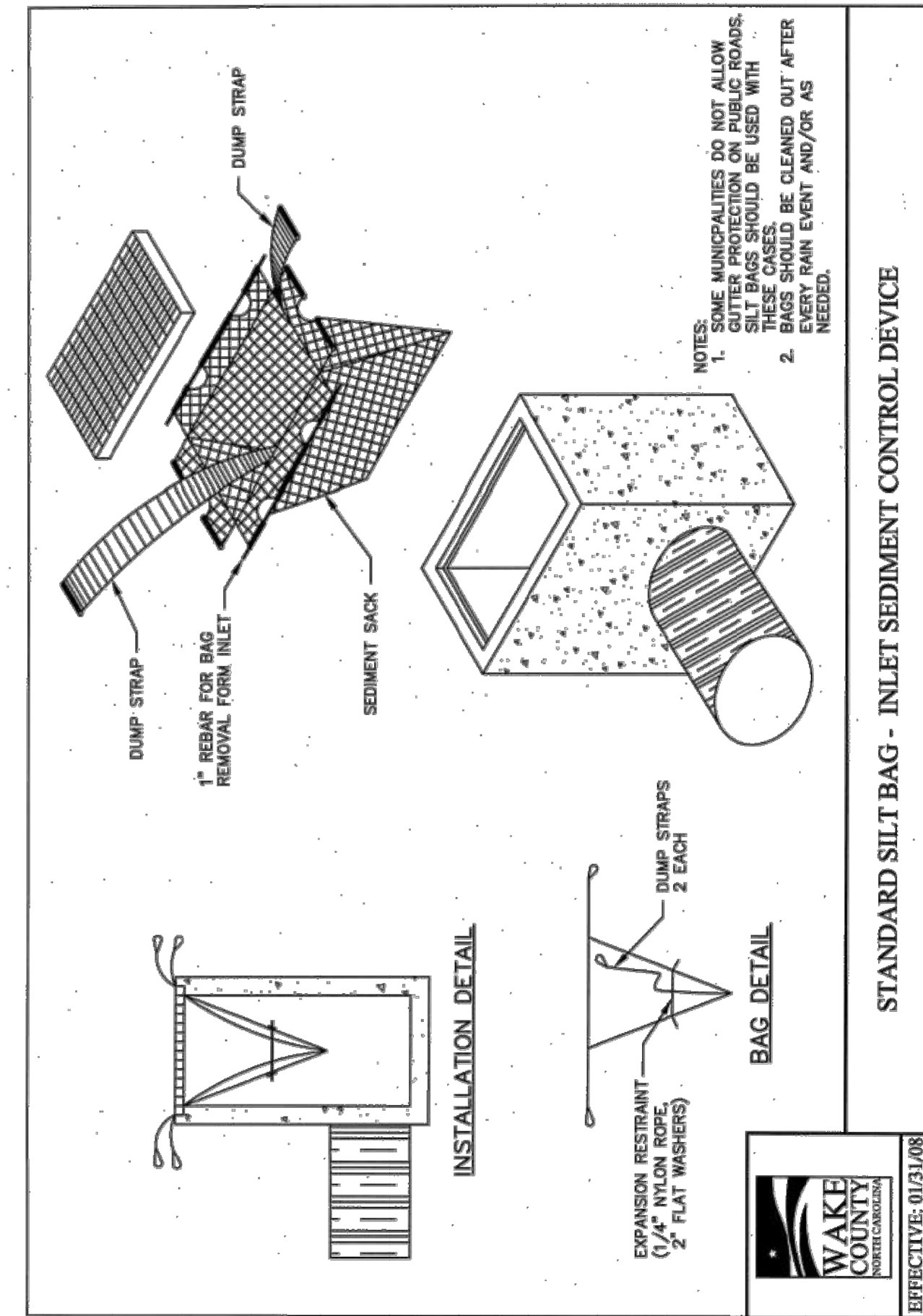
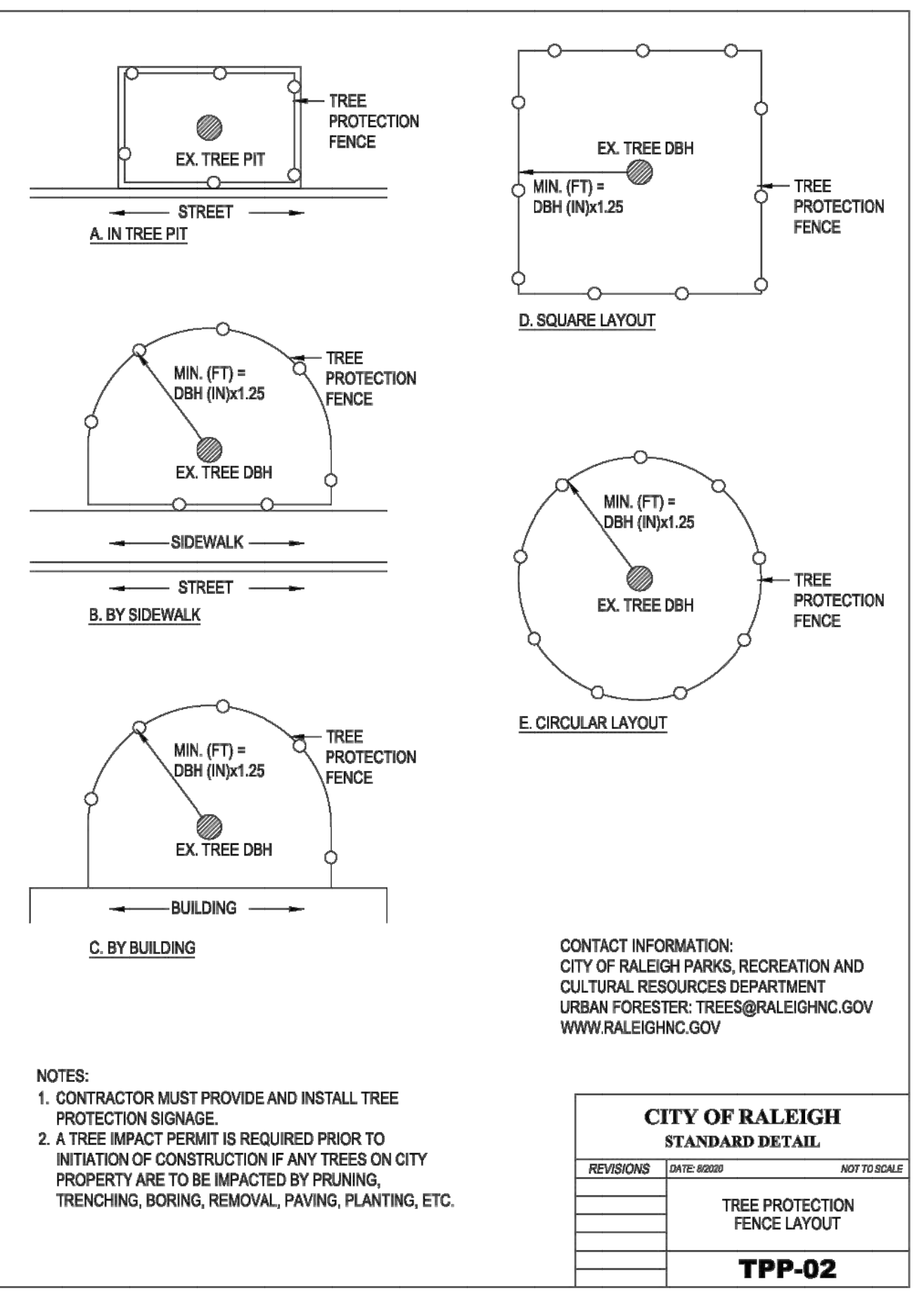
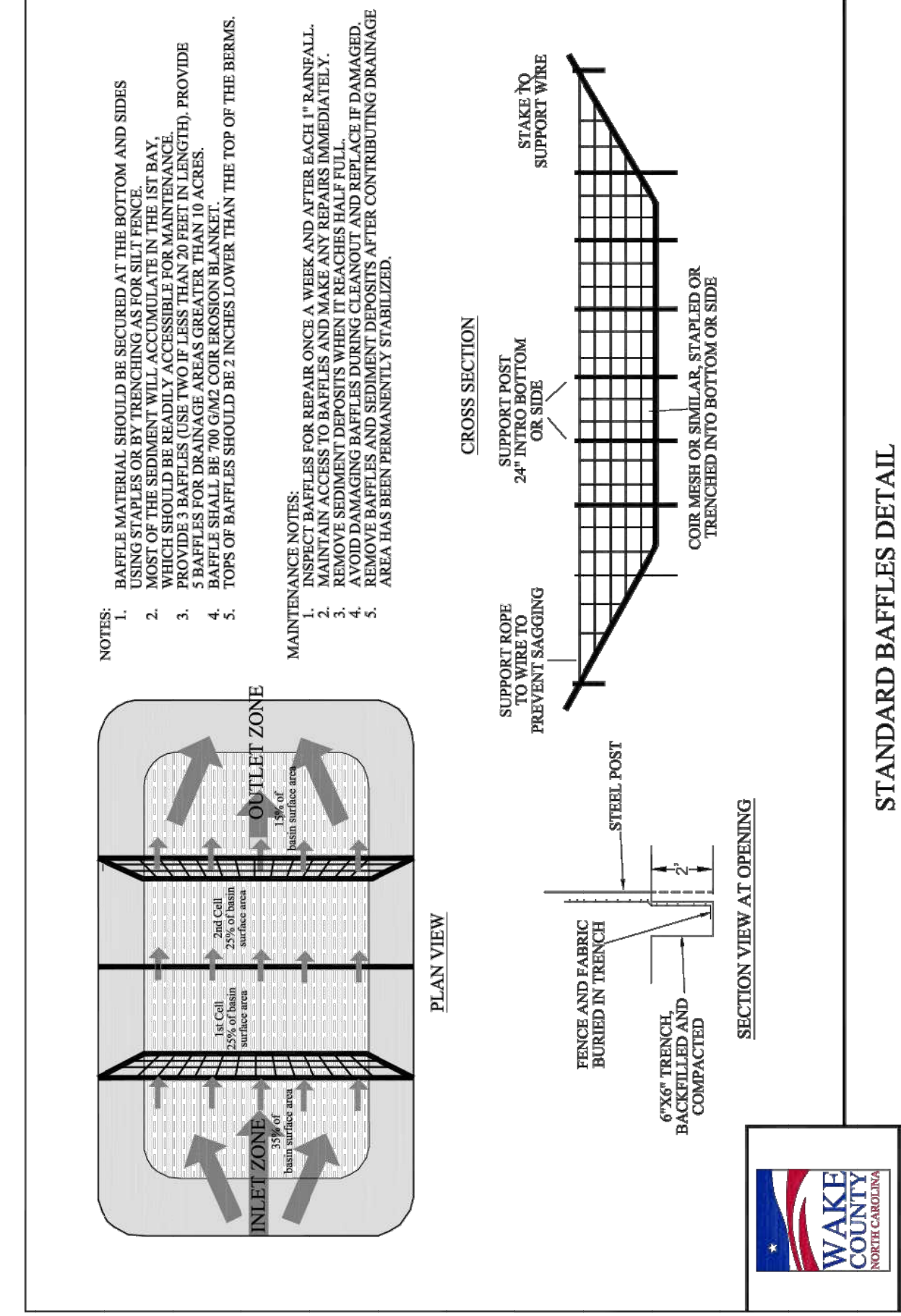
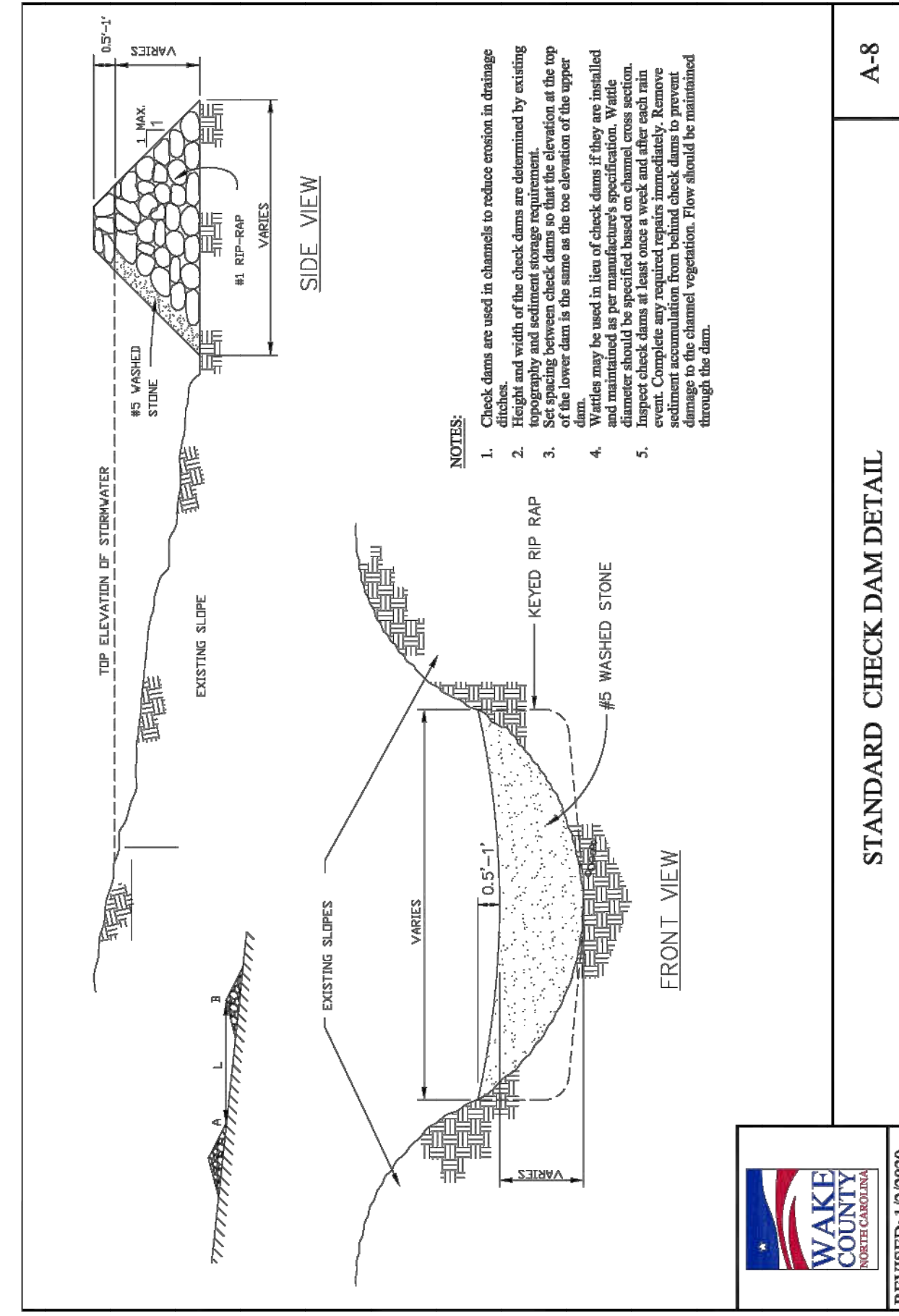
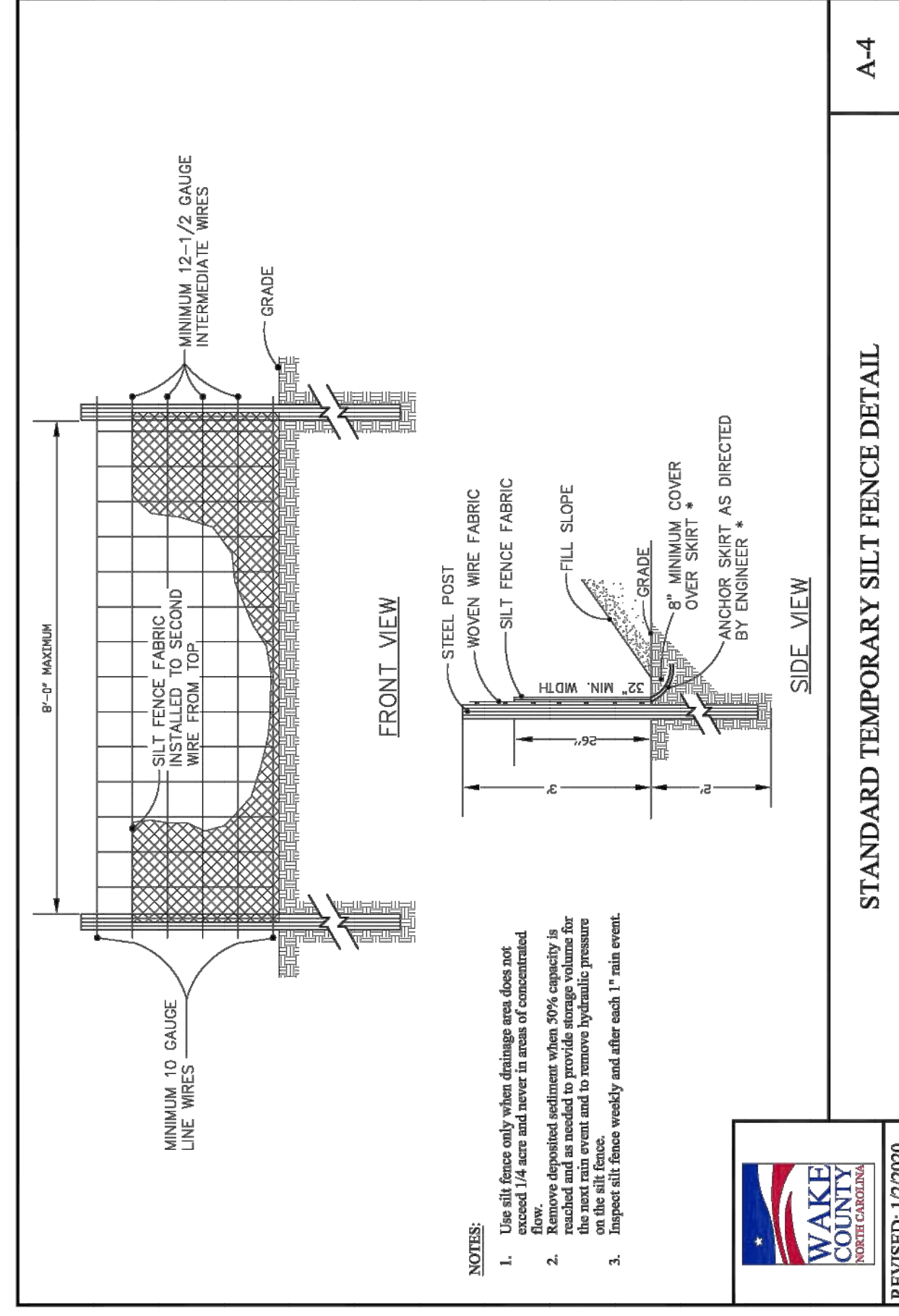
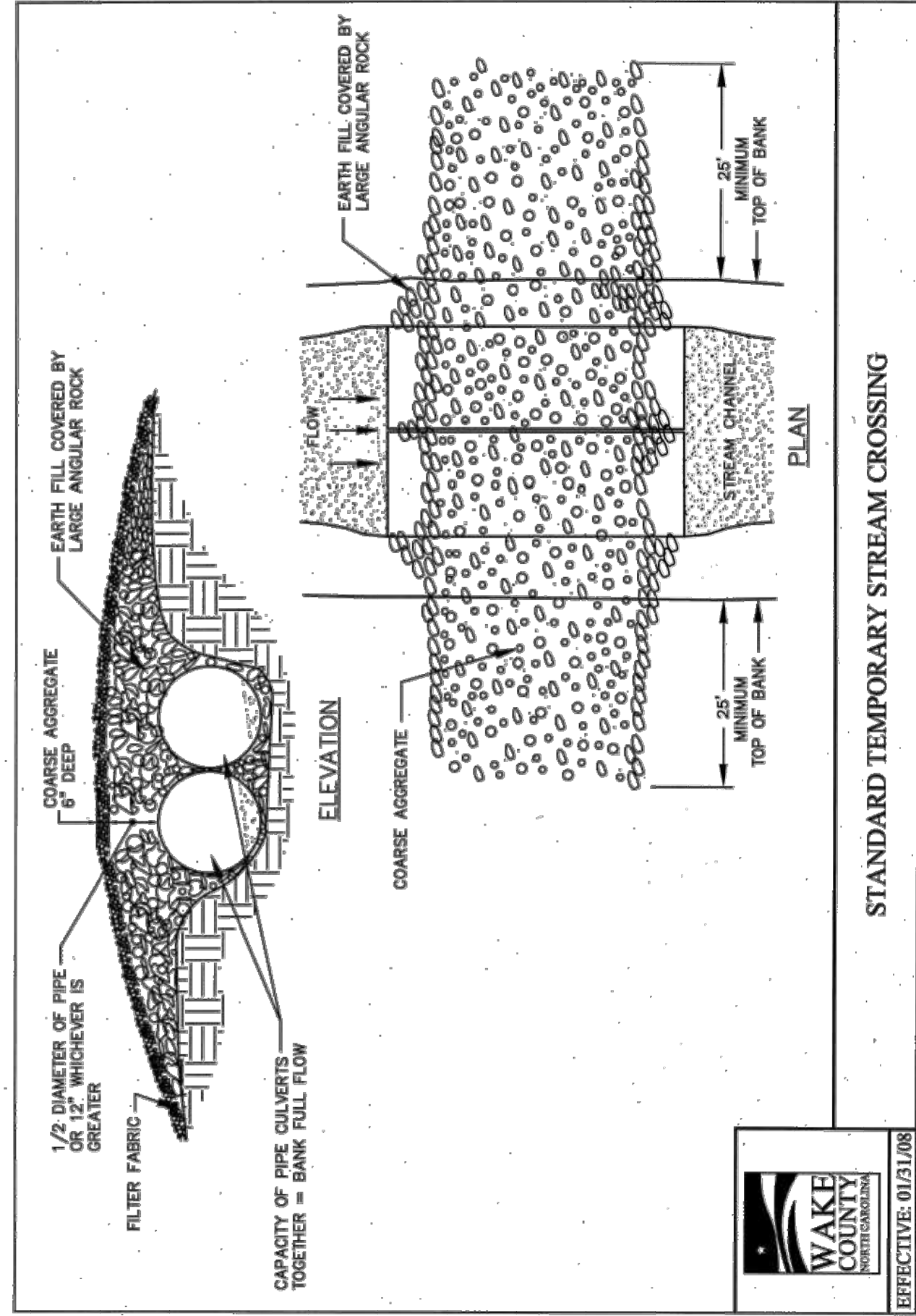
**HILLS AT HARRIS CREEK**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS

**SITE DETAILS**

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

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.



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

**STRONGROCK ENGINEERING GROUP**

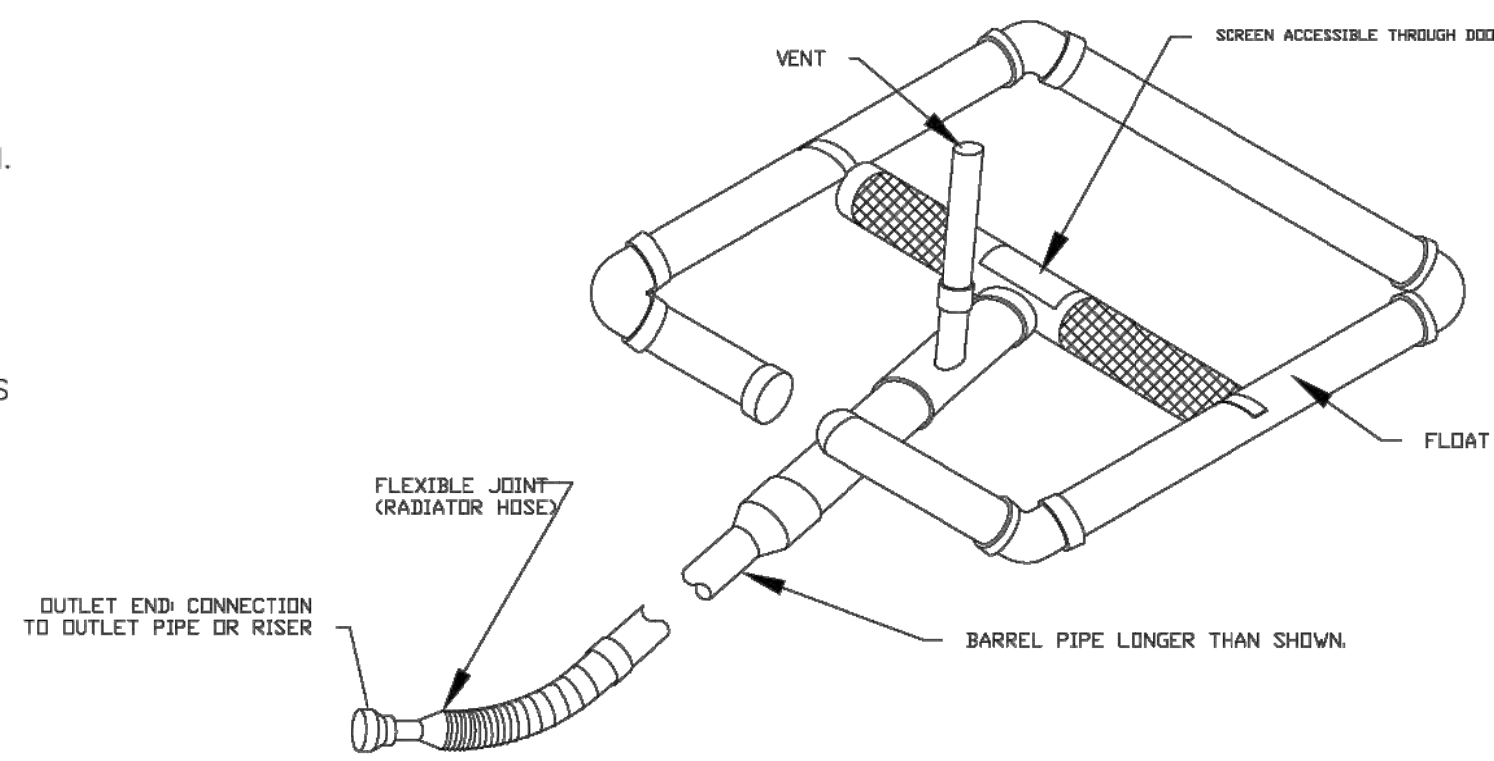
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	SRG	CHECKED BY JWL
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THIS PLANSET AND ANY ASSOCIATED DOCUMENTS ARE PRELIMINARY AND NOT AUTHORIZED FOR CONSTRUCTION UNTIL SIGNED, DATED, AND OFFICIALLY RELEASED FOR CONSTRUCTION BY THE ENGINEER OF RECORD.

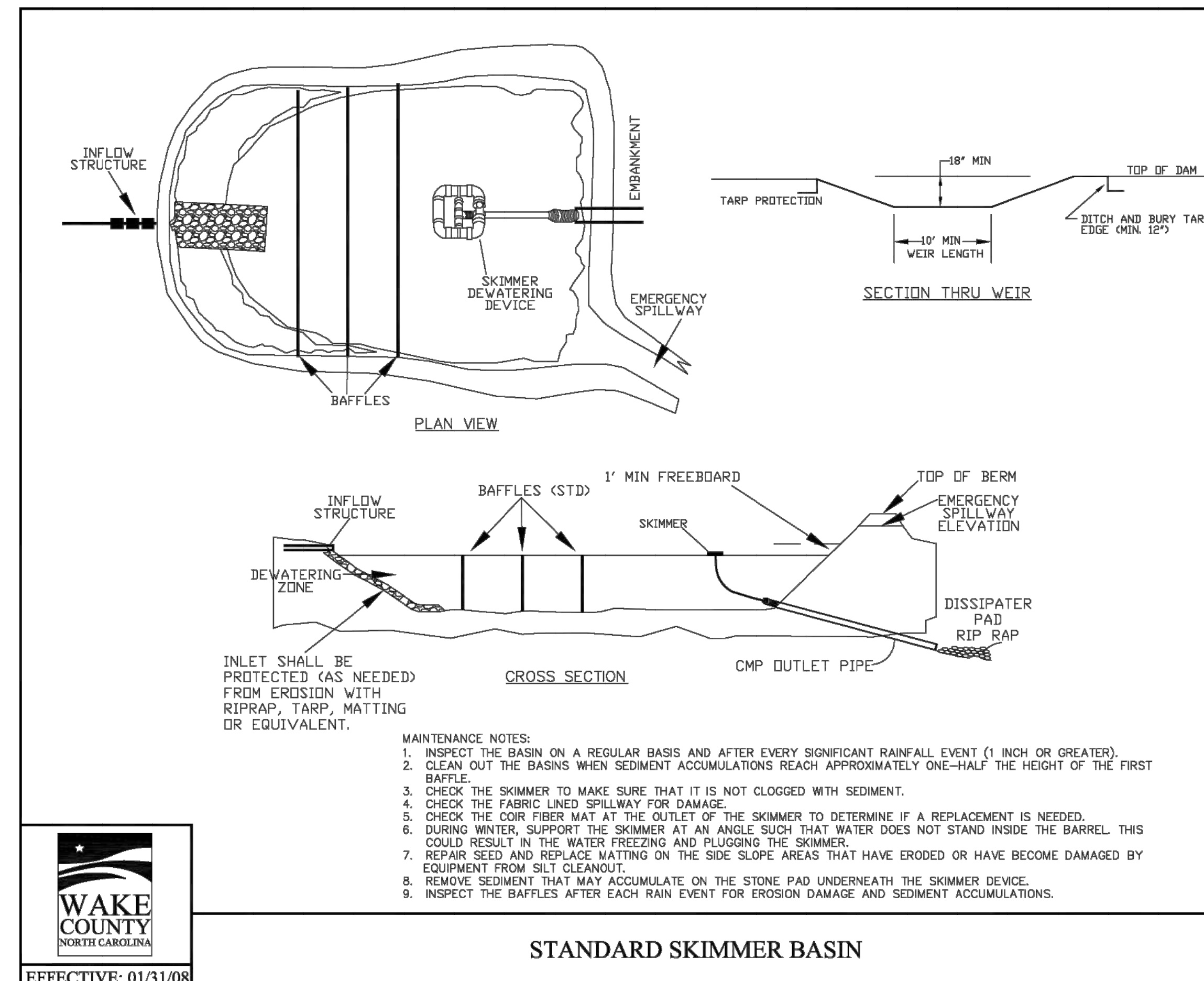
- MAINTENANCE NOTES:**
1. INSTALL A PAD FOR SKIMMER TO REST ON STONE OR WOOD PALLETS OR H-BEAM SECTION.
  2. INSTALL SKIMMER AND PAD AWAY FROM BAFFLES.
  3. ATTACH ROPE TO SKIMMER FOR MAINTENANCE.
  4. INSPECT THE BASIN ON A REGULAR BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT (1 INCH OR GREATER).
  5. CHECK THE SKIMMER TO MAKE SURE THAT IT IS NOT CLOGGED WITH SEDIMENT.
  6. REMOVE SEDIMENT THAT MAY ACCUMULATE ON THE STONE PAD UNDERNEATH THE SKIMMER DEVICE.



STANDARD SKIMMER DETAIL



EFFECTIVE: 01/31/08



STANDARD SKIMMER BASIN



EFFECTIVE: 01/31/08

NO.	REVISIONS	DATE	BY
01			
02			



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

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

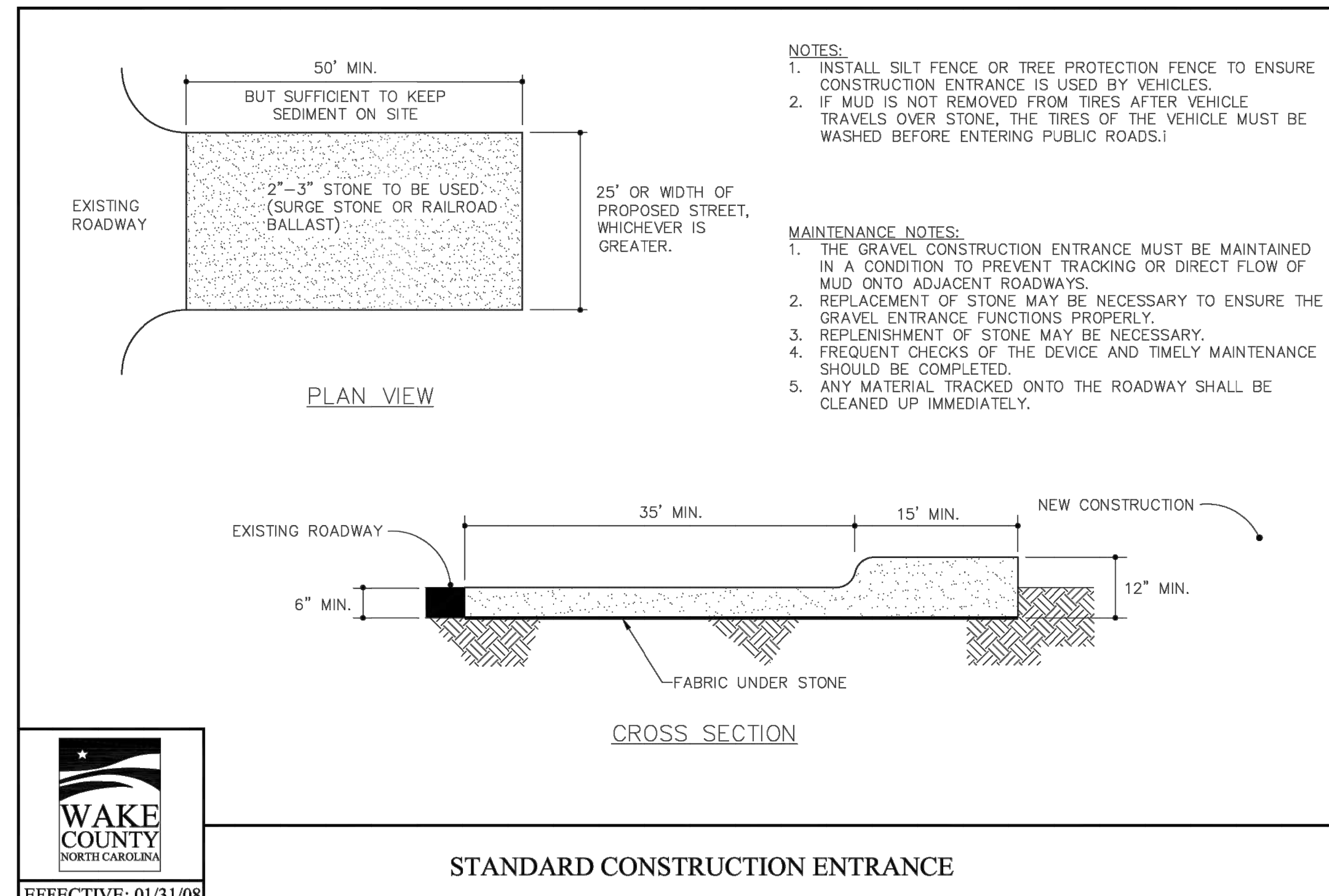
DRAWING SHEET  
**D-2.1**

- NOTES**
1. PROVIDE STABILIZED OUTLET TO STREAM BANK.
  2. WOOD PALLETS MAY BE USED IN LIEU OF STONE AND GEOTEXTILE AS DIRECTED. A SUFFICIENT NUMBER OF PALLETS MUST BE PROVIDED TO ELEVATE THE ENTIRE FILTER BAG FOR DEWATERING ABOVE NATURAL GROUND.
- MAINTENANCE NOTES**
1. REPLACE AND DISPOSE OF FILTER BAG(S) WHEN IT IS  $\frac{3}{4}$  FULL OF SEDIMENT OR WHEN IT IS IMPRACTICAL FOR BAG TO FILTER SEDIMENT.
  2. PROVIDE A SUFFICIENT QUANTITY OF FILTER BAGS TO CONTAIN SILT FROM PUMPED EFFLUENT.
- NOT TO SCALE

STANDARD FILTER BAG FOR DEWATERING ACTIVITIES



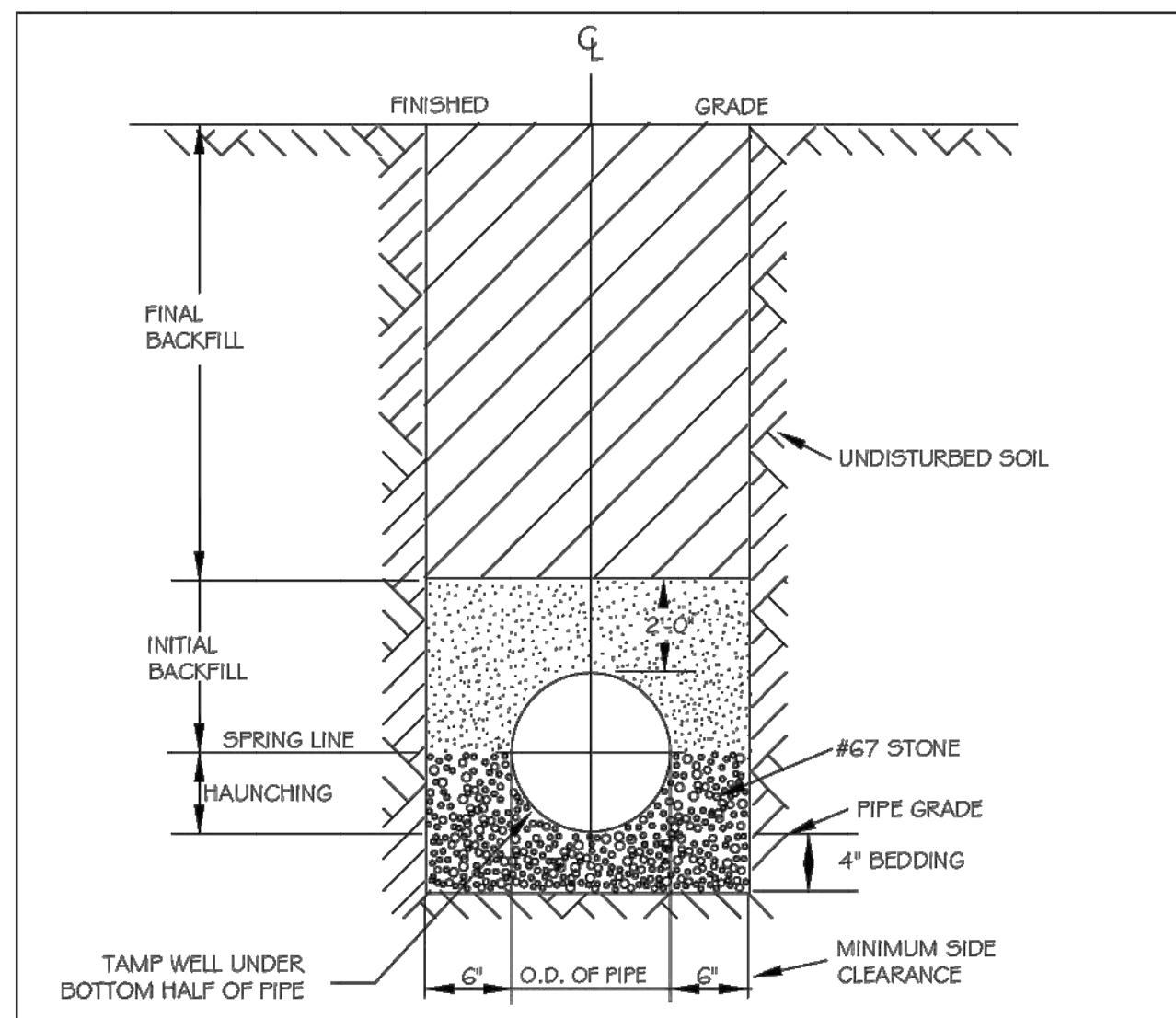
EFFECTIVE: 01/31/08



STANDARD CONSTRUCTION ENTRANCE



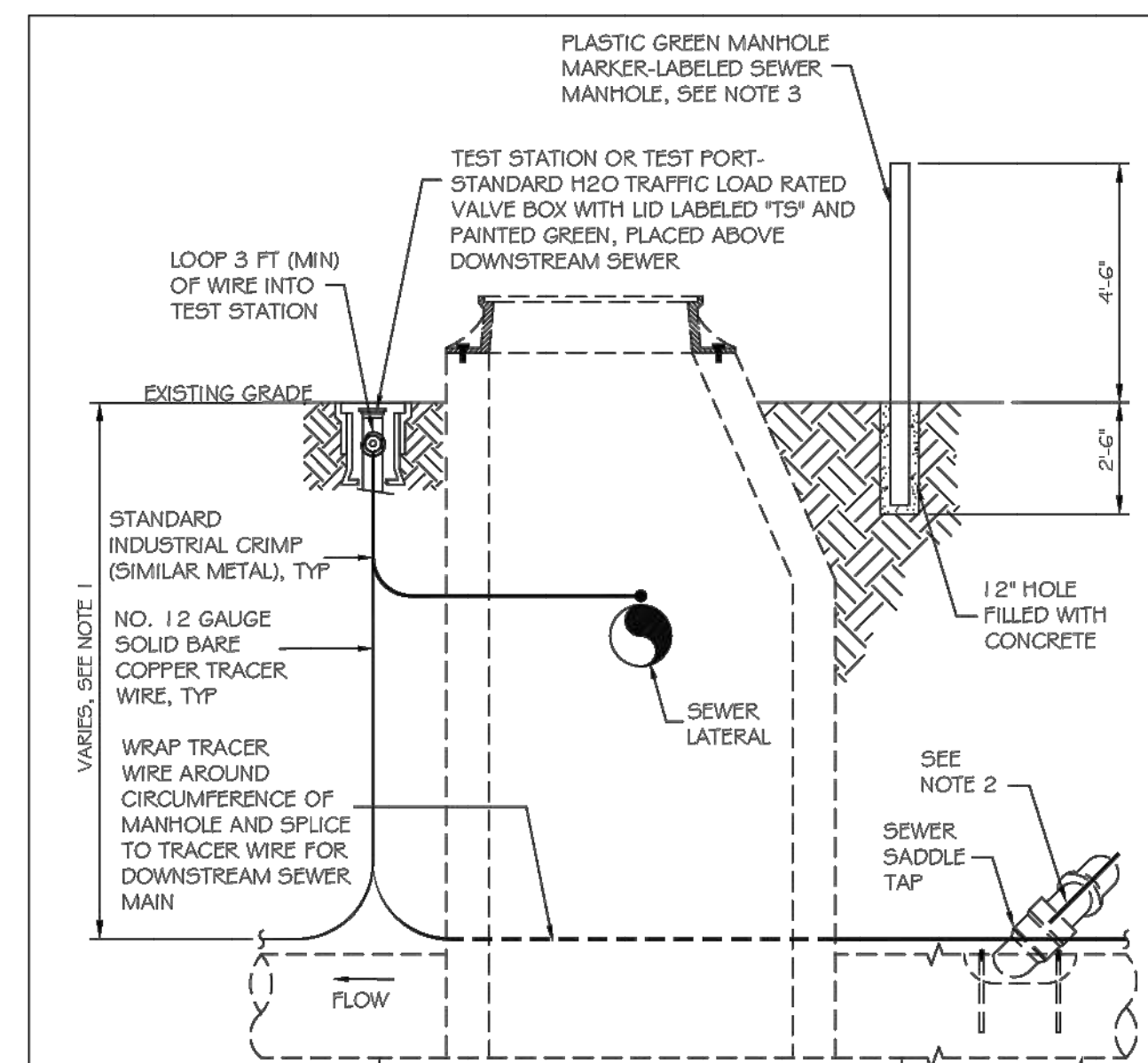
EFFECTIVE: 01/31/08



TYPICAL TRENCH BOTTOM DIMENSIONS FOR SDR 35 PVC GRAVITY PIPE

- NOTES:
1. FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
  2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL.
  3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
  4. BACKFILL SHALL BE TAMPED IN 6" LIFTS IN TRAFFIC AREAS, 12" IN NON-TRAFFIC AREAS.

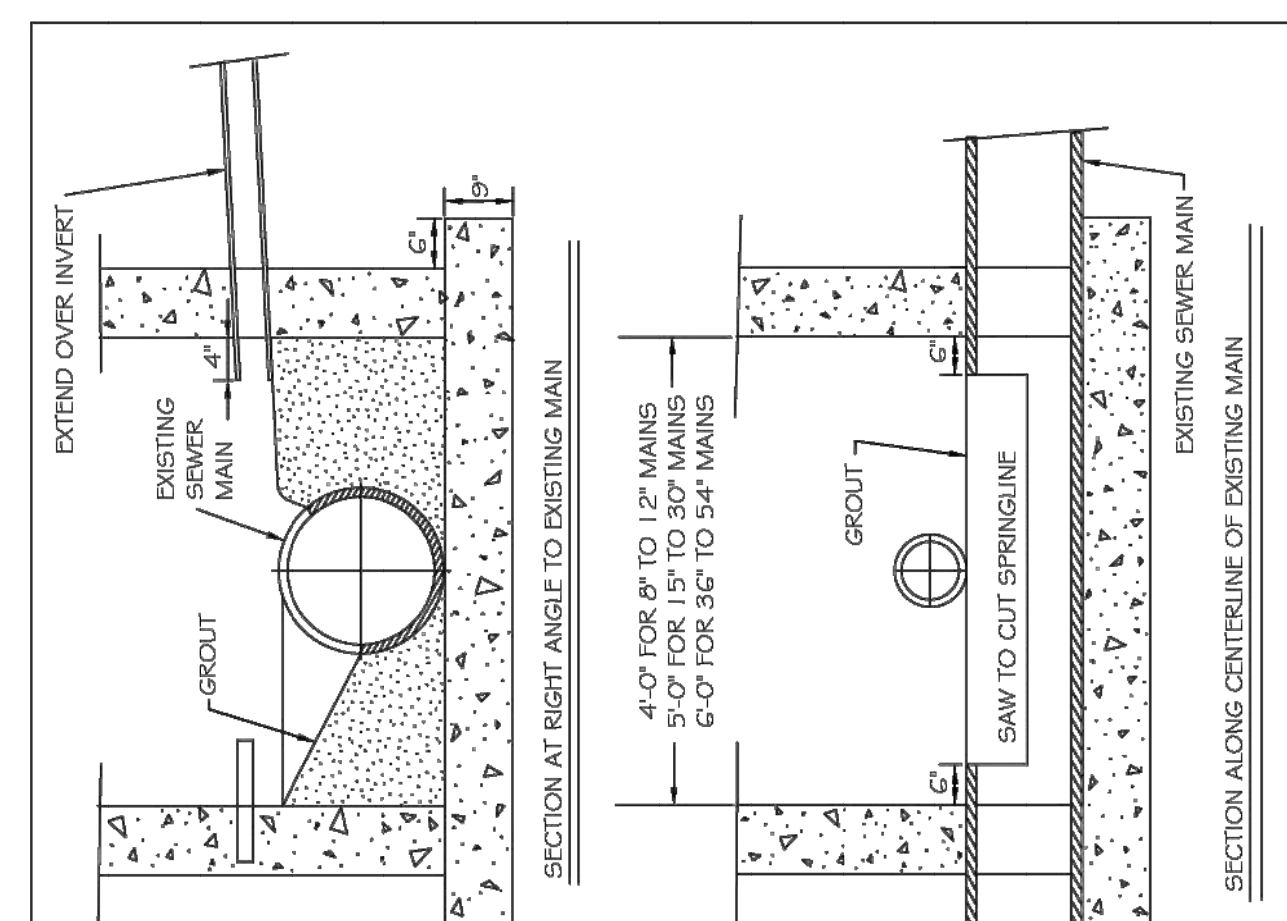
CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
TRENCH BOTTOM DIMENSIONS AND BACKFILLING REQUIREMENTS FOR PVC GRAVITY SEWER MAIN					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-5	TO NOTES	3-1-87	D.W.C.	9-3-99	
		7-2-82	RRH	8-30-00	



NOTES:

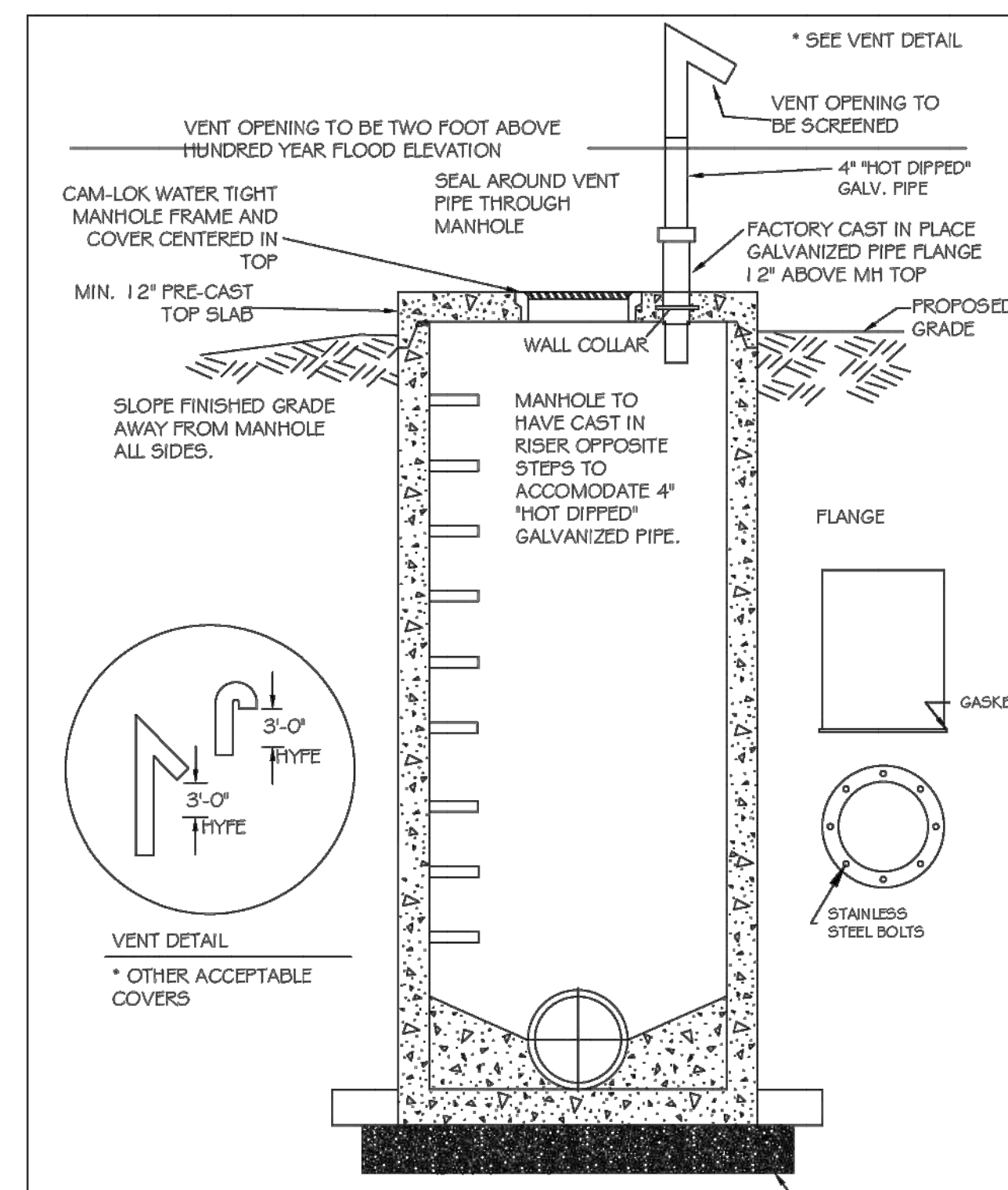
1. THE TRACER WIRE SHALL BE CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. FOR GRAVITY MAIN AND OR LATERAL INSTALLATIONS LESS THAN 8 FT., THE TRACING WIRE SHALL BE ATTACHED TO THE PIPE. TRACER WIRE SHALL BE LAID FLAT AND SECURELY AFFIXED TO THE PIPE AT 10 FOOT INTERVALS. FOR GRAVITY MAIN AND OR LATERAL INSTALLATION DEEPER THAN 8 FT., THE TRACING WIRE SHALL BE INSTALLED AT A DEPTH OF 7-8 FT. THE WIRE SHALL BE PROTECTED FROM DAMAGE DURING THE EXECUTION OF THE WORK. NO BREAKS OF CUTS IN THE TRACER WIRE SHALL BE PERMITTED.
2. WHERE LATERAL TAPS ARE MADE BY SERVICE SADDLES, THE TRACER WIRE SHALL NOT BE ALLOWED TO BE PLACED BETWEEN THE SADDLE AND MAIN.
3. MANHOLE MARKERS SHALL BE PLACED ADJACENT TO MANHOLES AT THE DISCRETION OF OWNER OR OWNER'S REPRESENTATIVE.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
GRAVITY SEWER MAIN TRACER WIRE AND MANHOLE MARKER					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-20A	WHD	09-14			



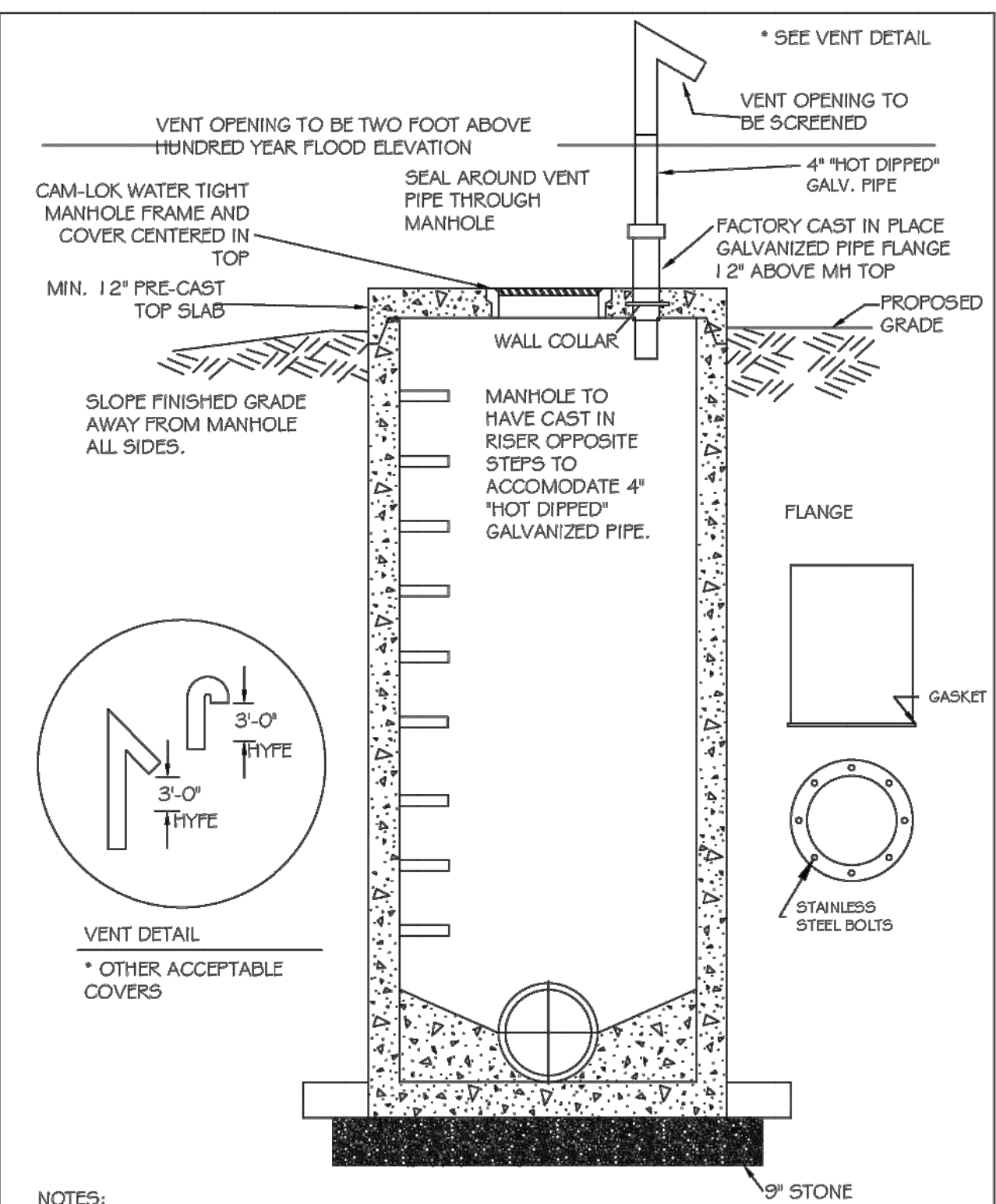
- NOTES:
1. FLOW SHALL BE MAINTAINED DURING CONSTRUCTION. THIS DETAIL TO BE USED WHEN A 6" OR LARGER LATERAL NECESSITATES CONSTRUCTION OF A NEW MANHOLE.
  2. SEE STANDARD DETAIL S-20 FOR PRECAST MANHOLES. PROVIDE A MINIMUM 9" COMPACTED FILL FOR USE ON TOP OF CONCRETE, AND PVC ONLY.
  3. FOR USE ON TOP OF CONCRETE, AND PVC ONLY. (NOT ALLOWED ON VENT)
  4. SEE DETAIL S-21 FOR REINFORCING OF POURED IN-PLACE BASE.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD MANHOLE INSTALLATION OVER EXISTING SEWER MAIN					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-22	Y.C.A.	12-31-81	A.B.B.	1-19-05	
	RRH	3-30-00	D.H.L.	6/16/08	



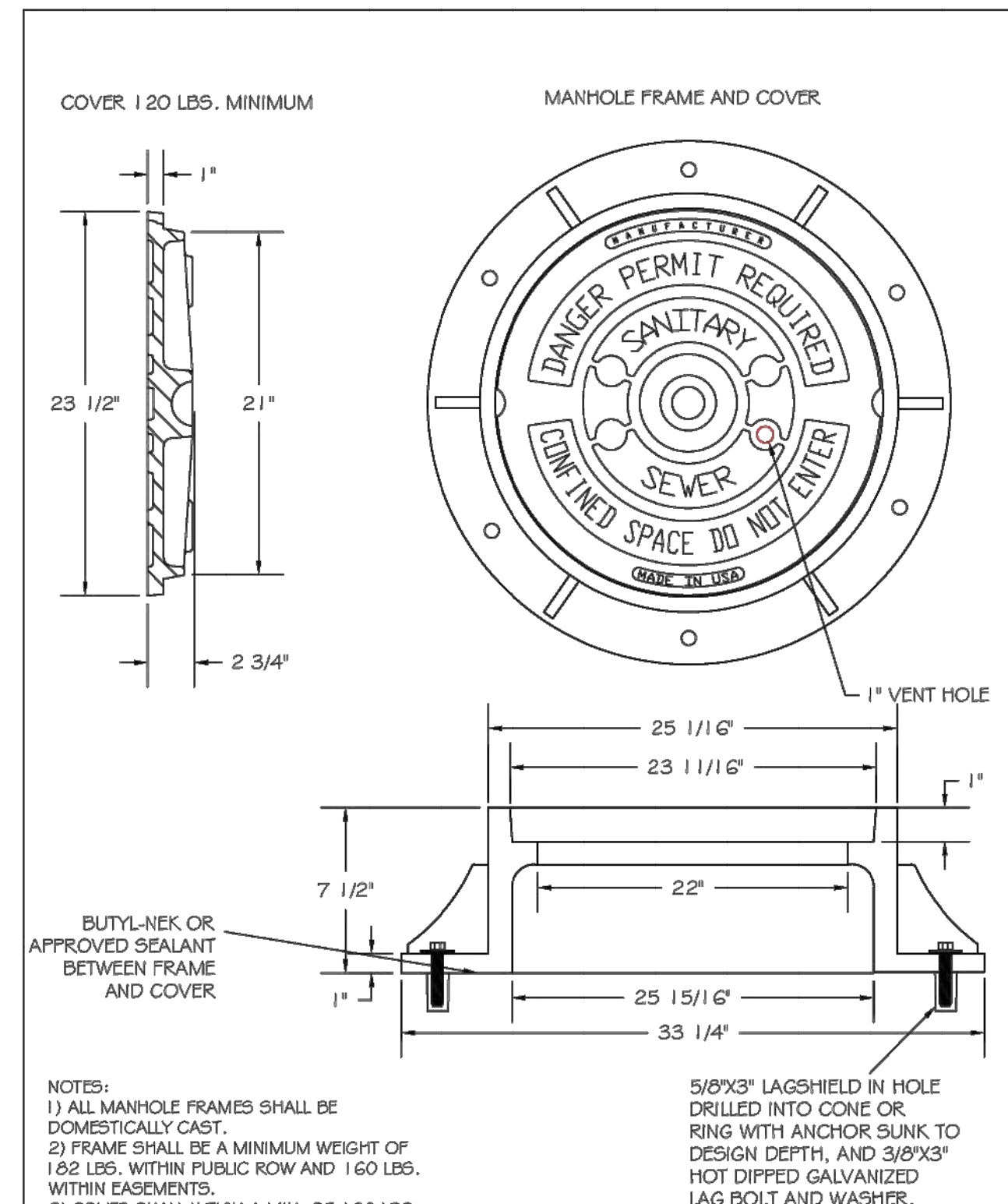
- NOTES:
1. VENT MUST BE FACTORY WELDED FABRICATED AND "HOT DIPPED" GALVANIZED.
  2. HYPE - Hundred Year Flood elevation

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD SEAL TIGHT MANHOLE WITH VENTED STACK					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-24	D.W.C.	6-7-99	A.B.B.	4-15-04	
	RRH	3-30-00	D.H.L.	6/16/08	



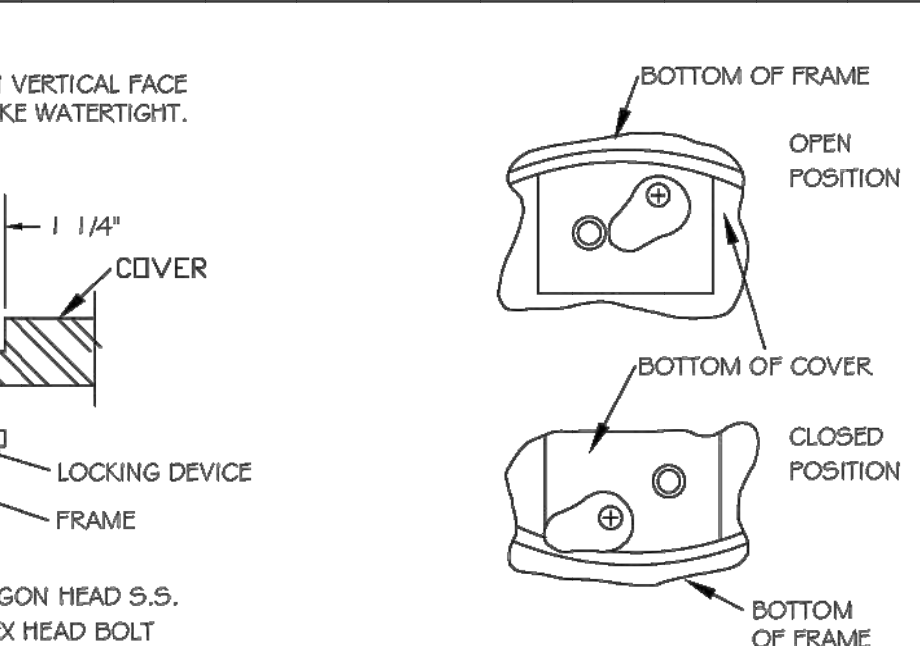
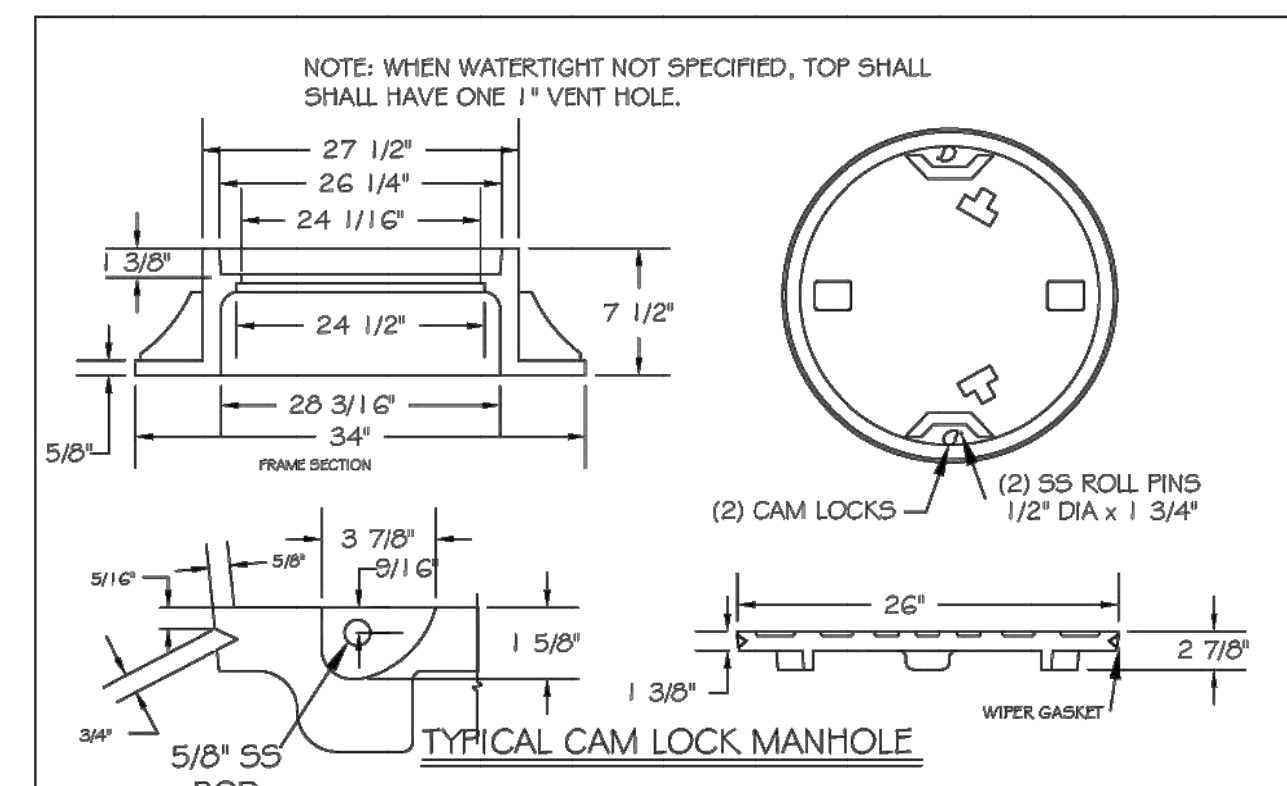
- NOTES:
1. VENT MUST BE FACTORY WELDED FABRICATED AND "HOT DIPPED" GALVANIZED.
  2. HYPE - Hundred Year Flood elevation

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD SEAL TIGHT MANHOLE WITH VENTED STACK					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-24	D.W.C.	6-7-99	A.B.B.	4-15-04	
	RRH	3-30-00	D.H.L.	6/16/08	

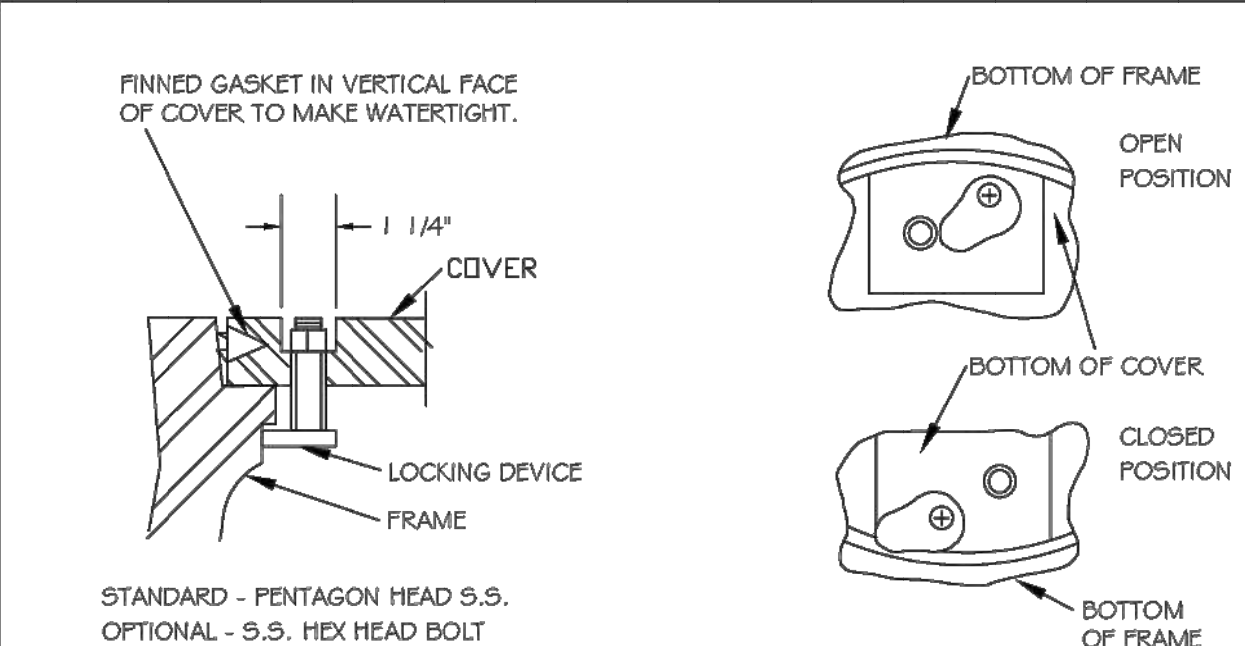
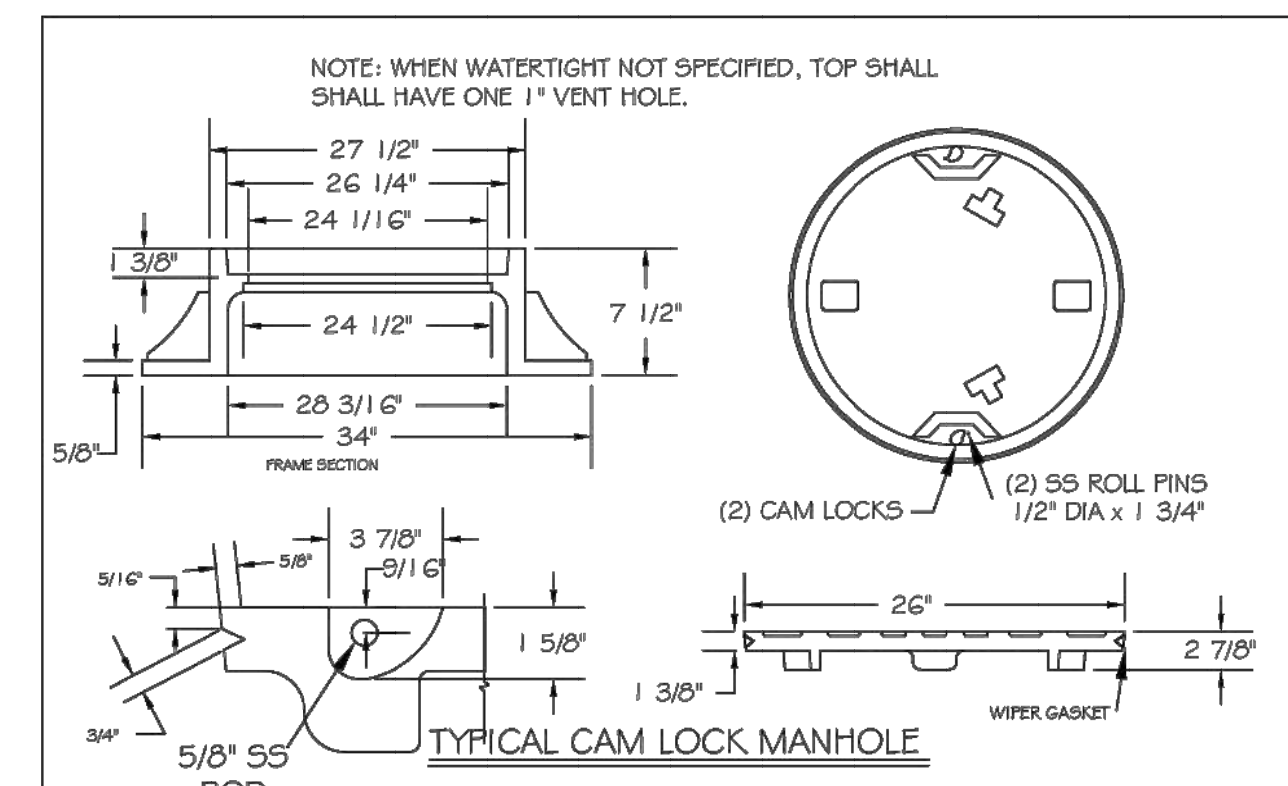


- NOTES:
- 1) ALL MANHOLE FRAMES SHALL BE DOMESTICALLY CAST.
  - 2) FRAME SHALL BE A MINIMUM WEIGHT OF 182 LBS. WITHIN PUBLIC ROW AND 160 LBS. WITHIN EASEMENTS.
  - 3) COVER SHALL WEIGH A MIN. OF 120 LBS.
  - 4) ALL MANHOLE FRAMES OUTSIDE OF PAVED SURFACES SHALL BE BOLTED TO THE CONE SECTION OR RING WITH A MINIMUM OF 4 BOLTS PER FRAME.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD MANHOLE COVER					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-25	3-1-87	3-1-87	A.B.B.	2-9-05	
	RRH	3-30-00	D.H.L.	6-18-08	

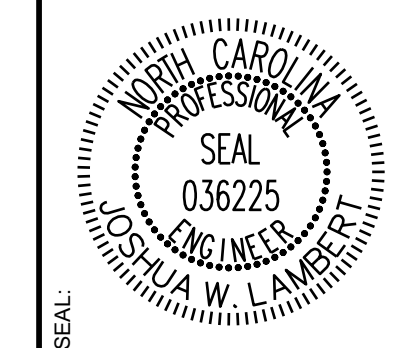


CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
WATER-TIGHT MANHOLE FRAME WITH CAM LOCK COVER					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-27	RRH	3-30-00			
	D.H.L.	6-18-08			



CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
WATER-TIGHT MANHOLE FRAME WITH CAM LOCK COVER					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
5-27	RRH	3-30-00			
	D.H.L.	6-18-08			

NO.	REVISIONS	DATE	BY
01			
02			



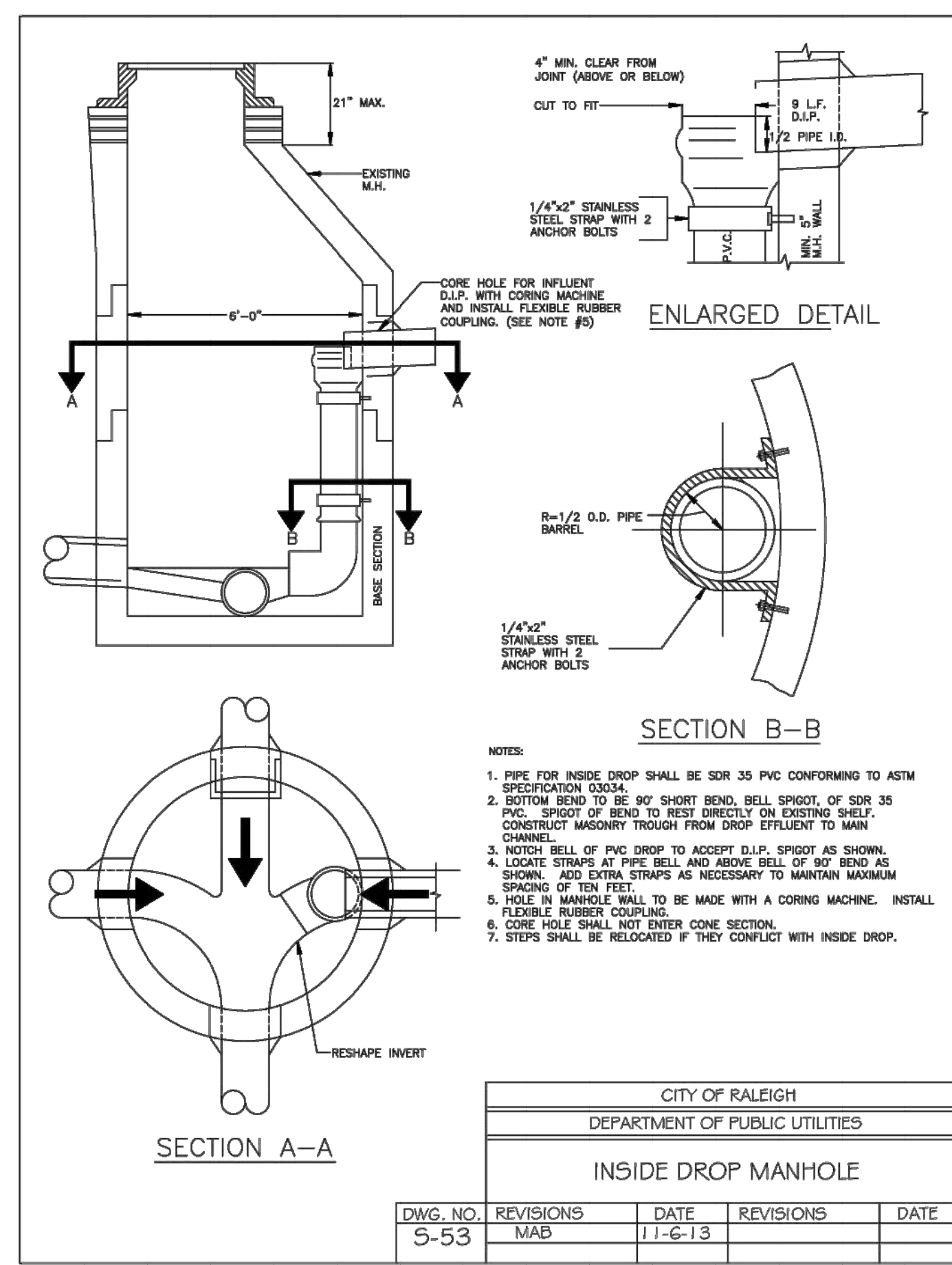
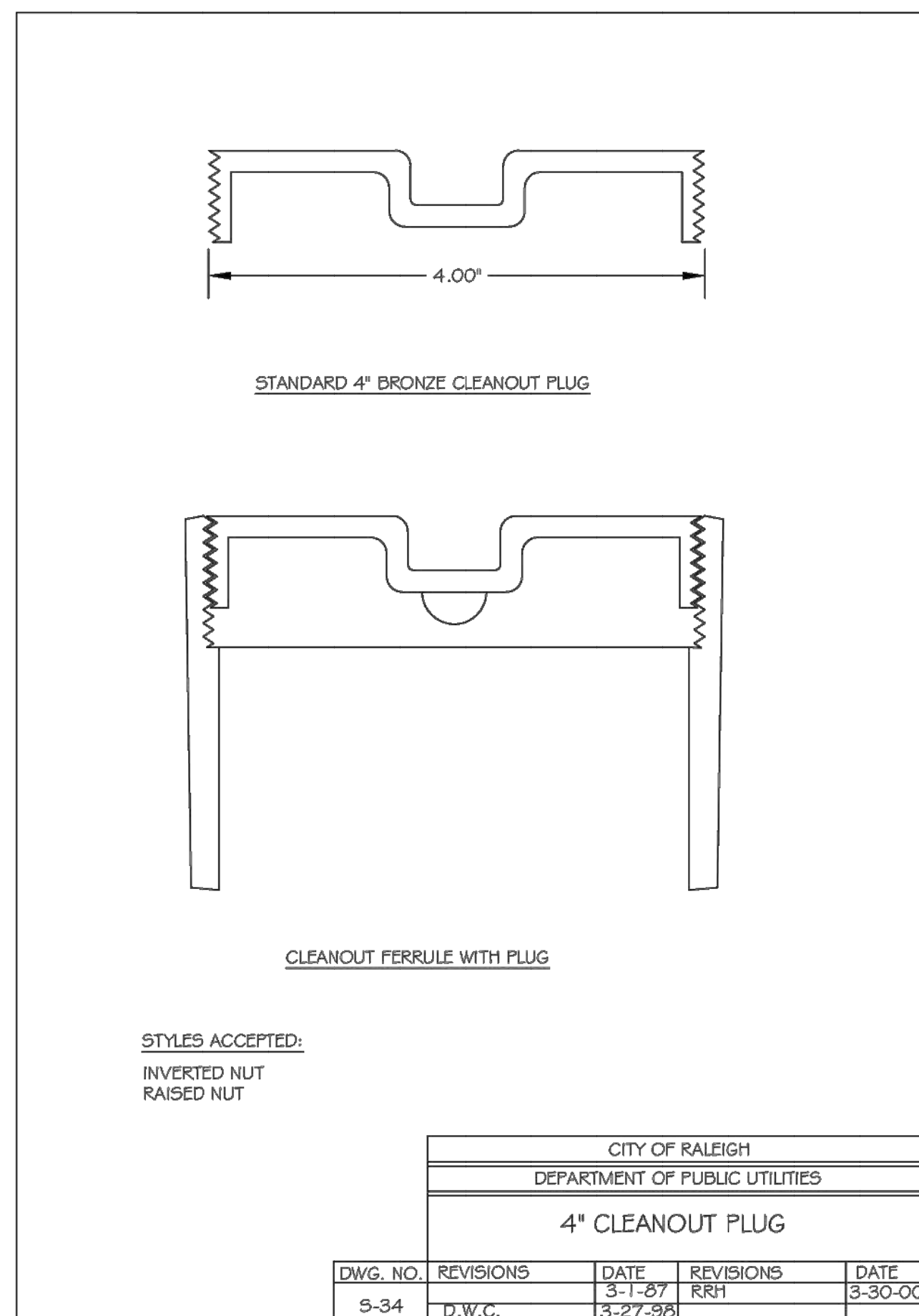
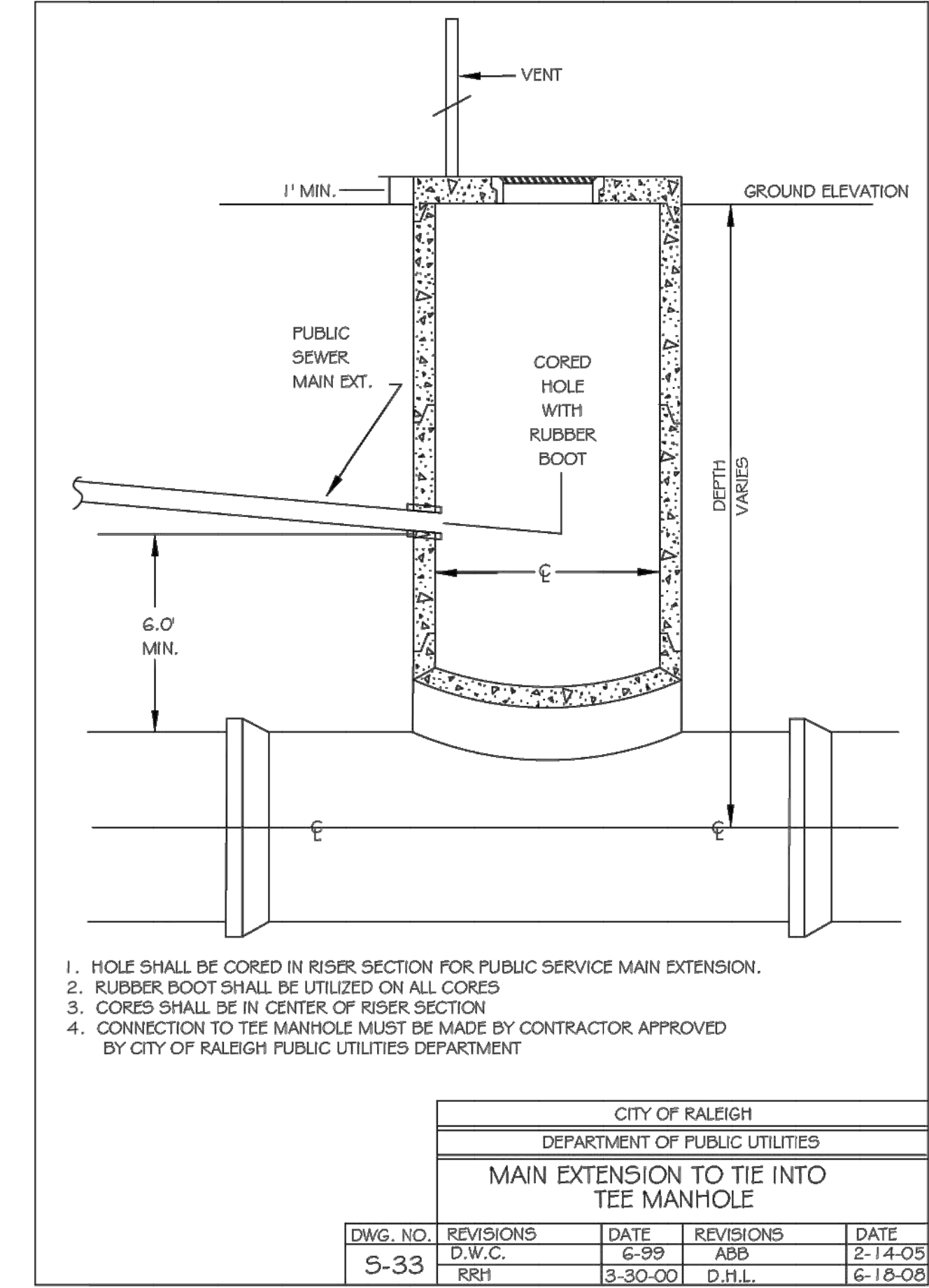
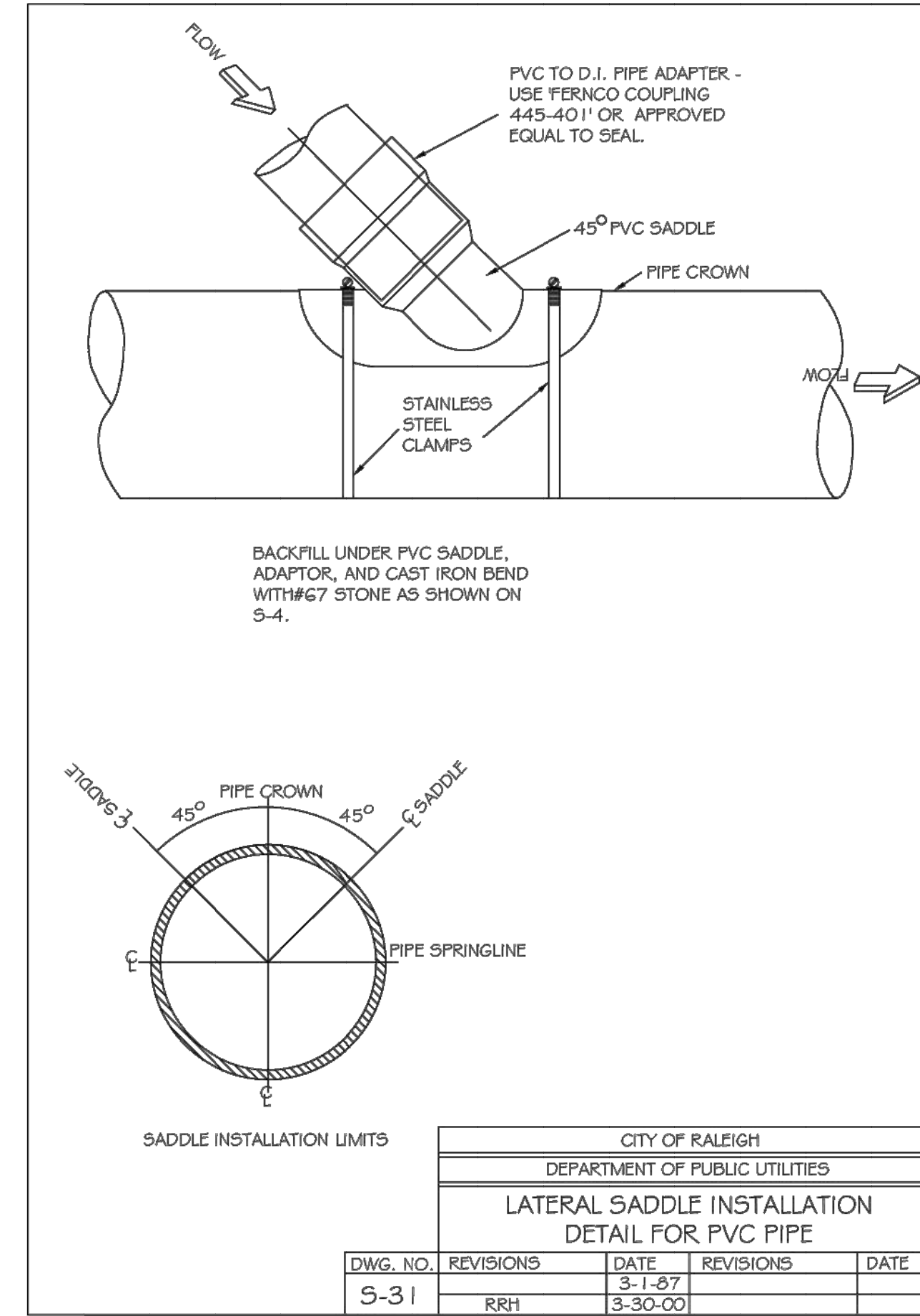
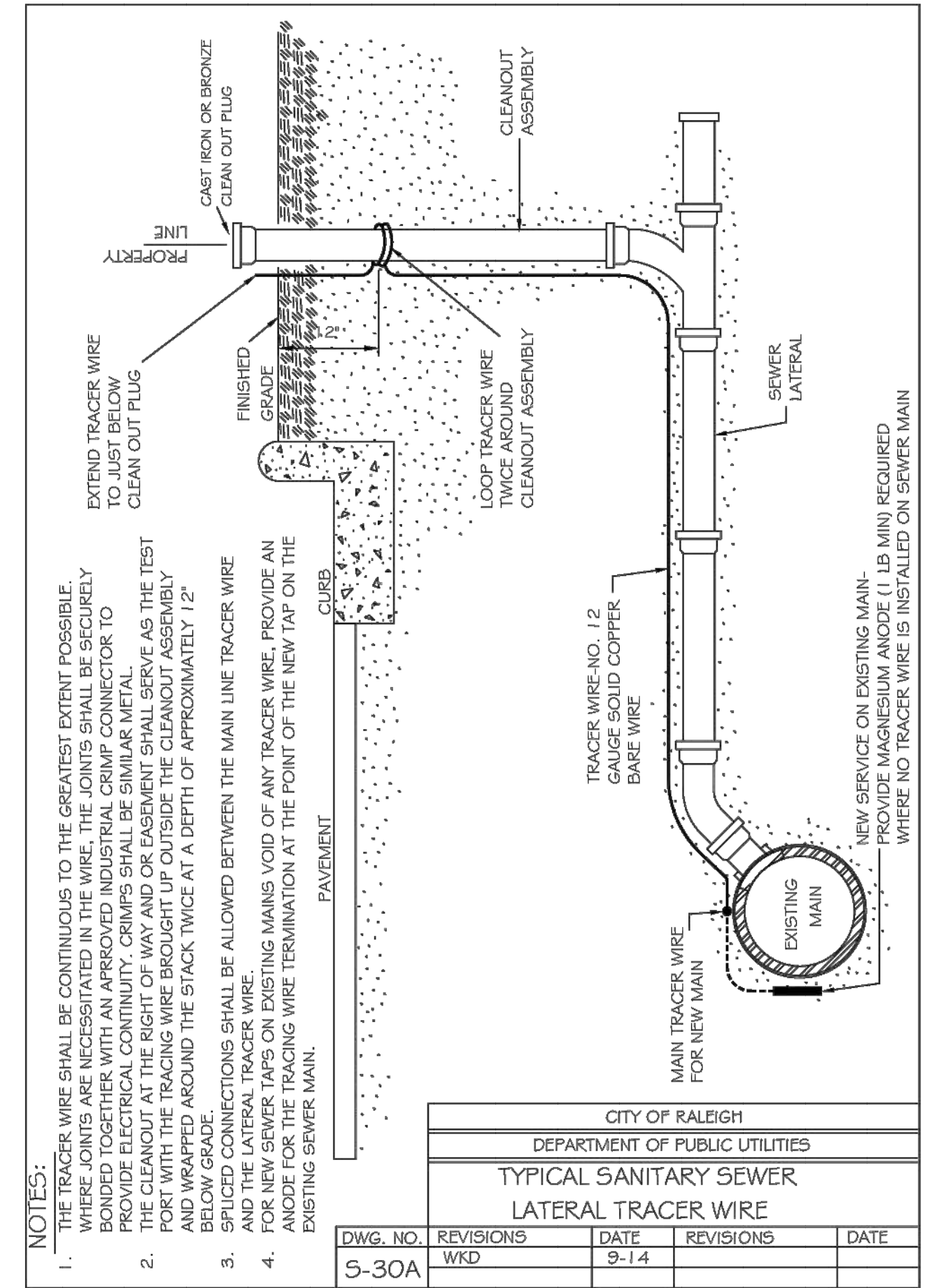
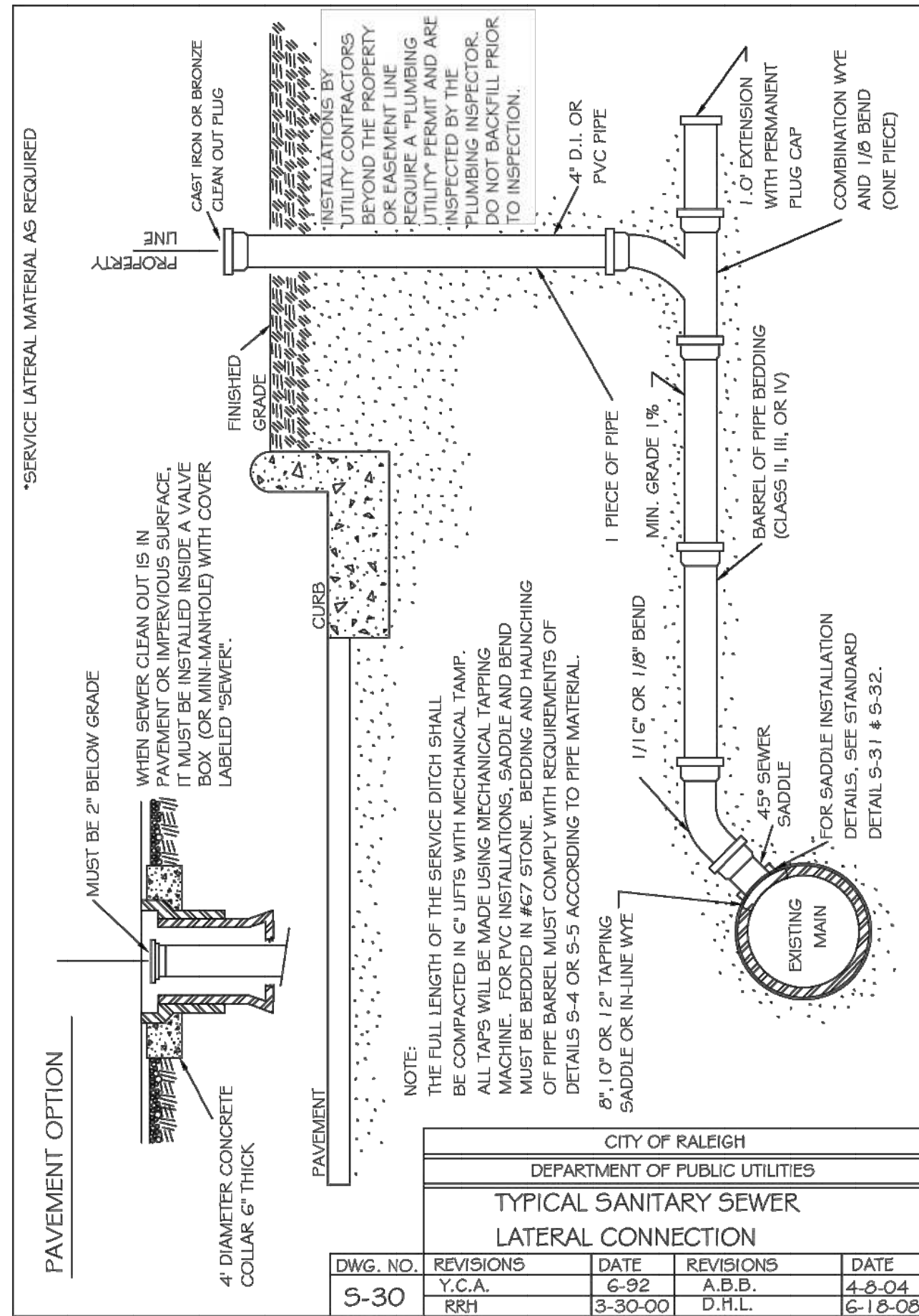
**STRONGROCK**  
ENGINEERING GROUP

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

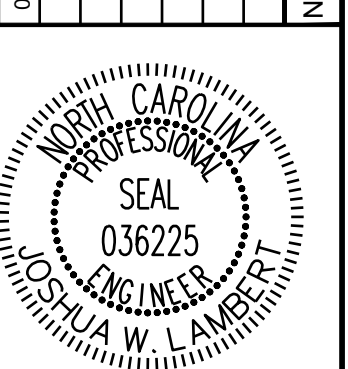
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	JWL	SRG	JWL

HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
SANITARY SEWER & WATER  
DETAILS

DRAWING SHEET  
D-3.0



NO.	REVISIONS	DATE	BY
01			
02			



**STRONGROCK ENGINEERING GROUP**

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

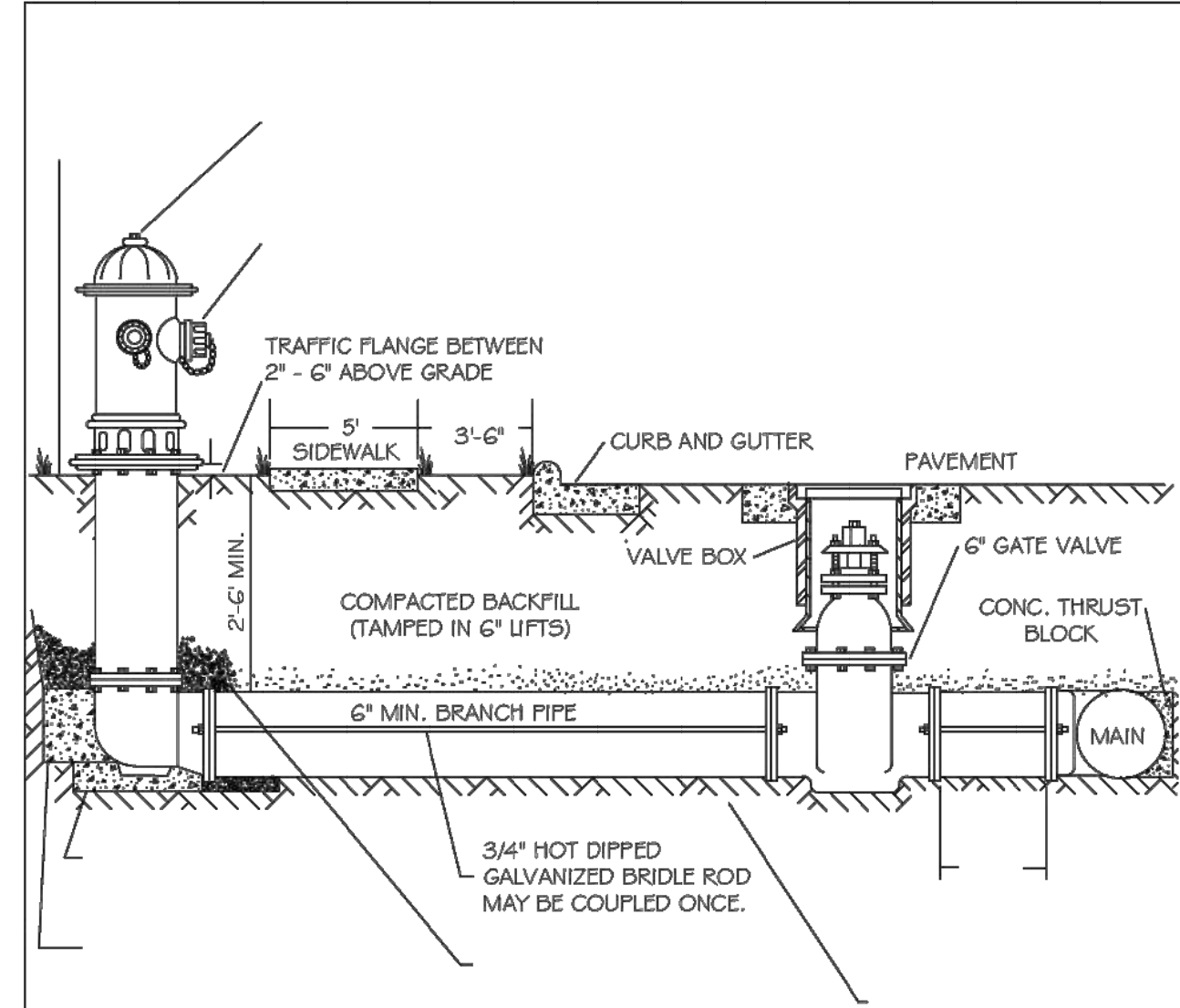
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
HILLS AT HARRIS CREEK	NOT FOR CONSTRUCTION	AS SHOWN	JWL	SRG	JWL

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

**CONSTRUCTION PLANS**

**SANITARY DETAILS**

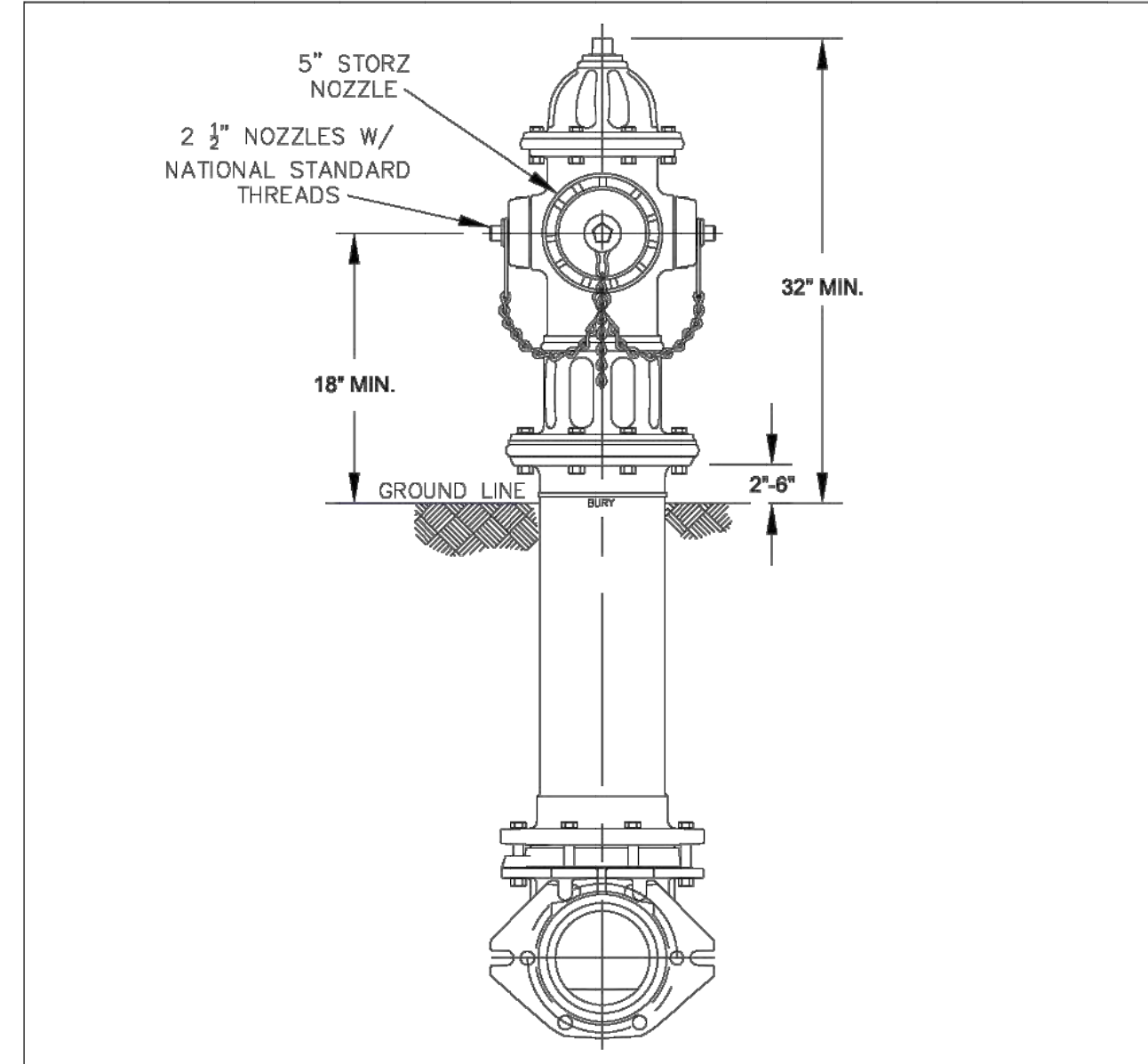
DRAWING SHEET  
**D-3.1**



- NOTES:
- FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, MMH, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE.
  - BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-S6
  - 6" GATE VALVE SHALL BE AWWA C500-S6 OPEN LEFT
  - STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED
  - 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

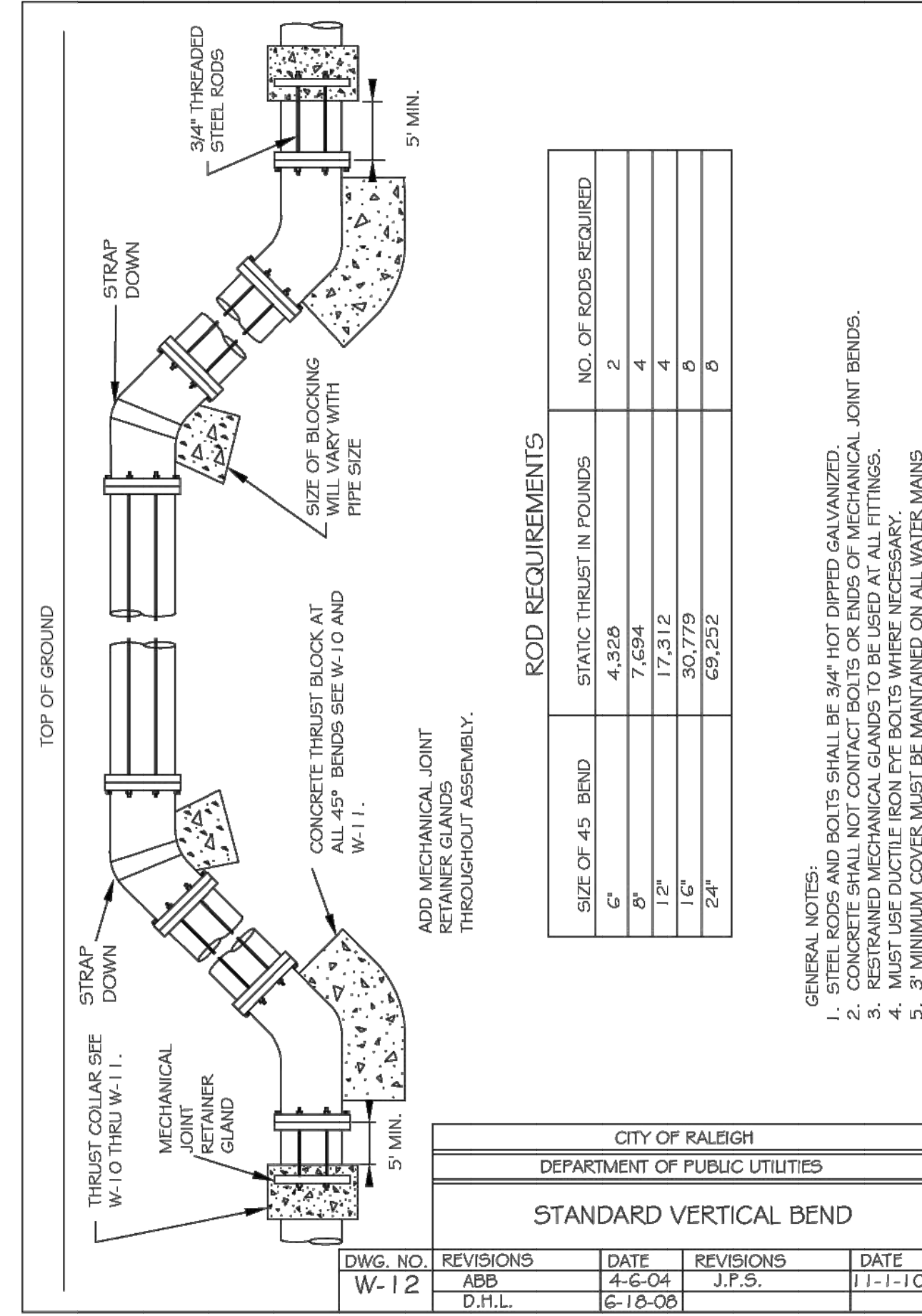
ANYTIME SITE WORK, CONSTRUCTION, ROAD WORK, OR ANY OTHER WORK CHANGES THE GRADE OF THE FIRE HYDRANT, THE PERSON RESPONSIBLE FOR THE WORK IS RESPONSIBLE FOR ADJUSTING THE FIRE HYDRANT TO STAY WITHIN COMPLIANCE.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD FIRE HYDRANT INSTALLATION DETAIL					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-4a	ABB	4-6-04			



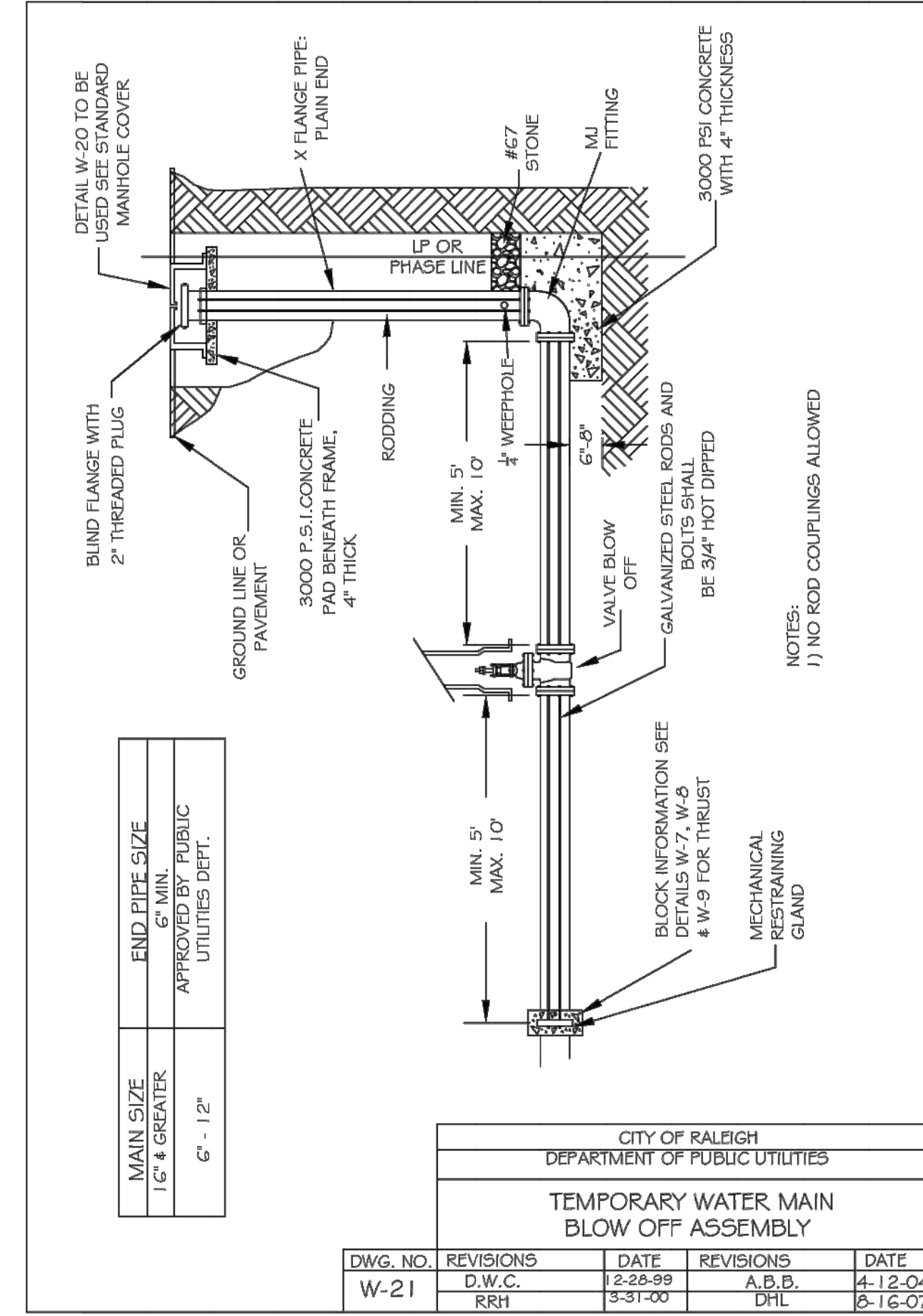
- NOTES:
- ALL PUBLIC FIRE HYDRANTS IN THE CITY OF RALEIGH AND THE MERGER TOWNS OF GARNER, ROLESVILLE, WAKE FOREST, KNIGHTDALE, WENDELL AND ZEBULON SHALL BE PAINTED CHROME YELLOW WITH HIGH REFLECTIVE ALUMINUM SILVER CAPS, BONNETS AND OPERATING NUTS.
  - ALL PRIVATE FIRE HYDRANTS SHALL BE RED.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD FIRE HYDRANT WITH 5" STORZ PUMPER NOZZLE					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-5	MAB	6-30-16			
	KAT	9-15-17			



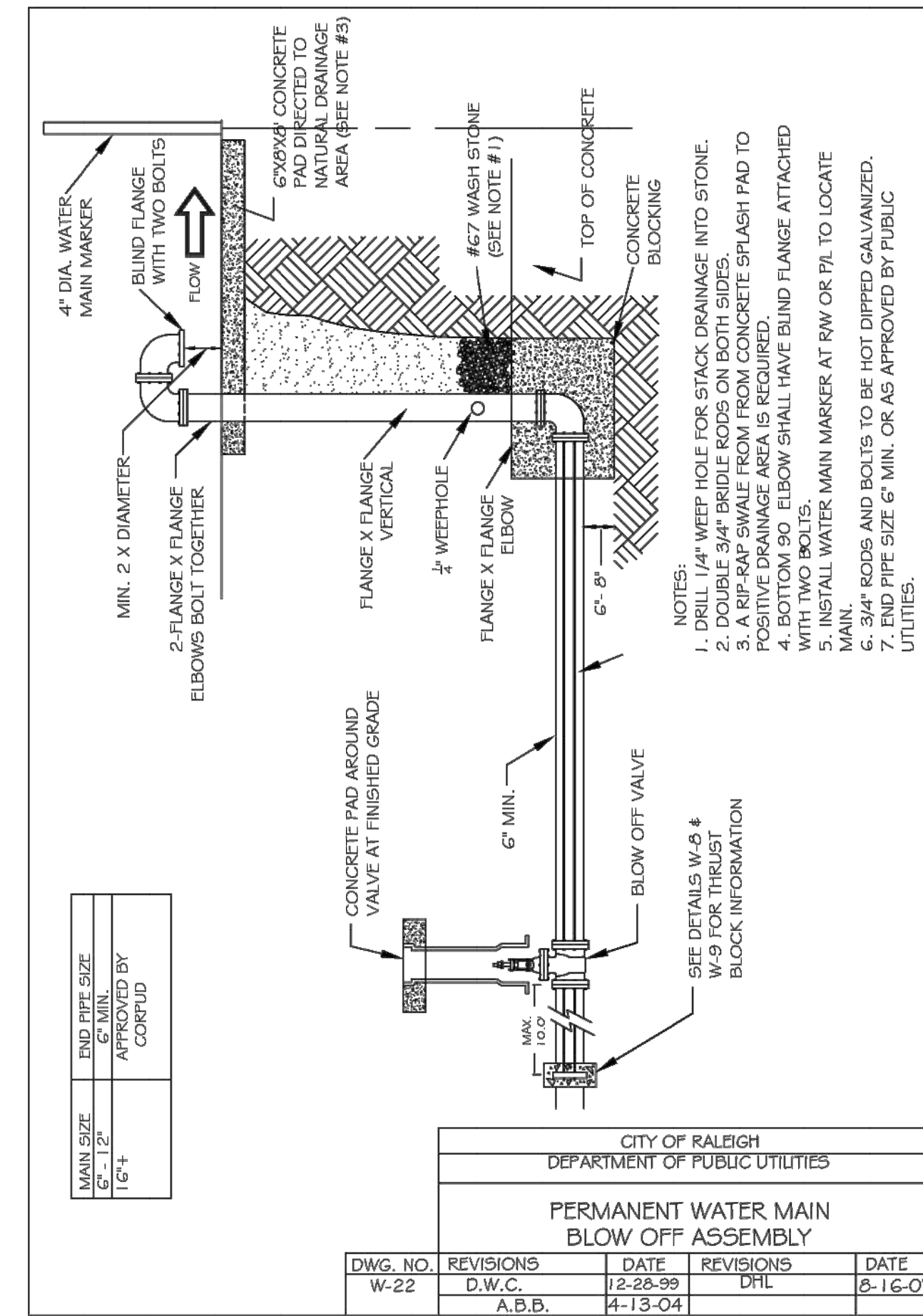
- GENERAL NOTES:
- RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
  - CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.
  - RESTRAINING MECHANICAL GLANDS TO BE USED AT ALL FITTINGS.
  - MUST USE DUCTILE IRON EYE BOLTS WHERE NECESSARY.
  - 3" MINIMUM COVER MUST BE MAINTAINED ON ALL WATER MAINS.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD VERTICAL BEND					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-12	ABB	4-6-04	J.P.S.	11-1-10	
	D.H.L.	6-18-08			



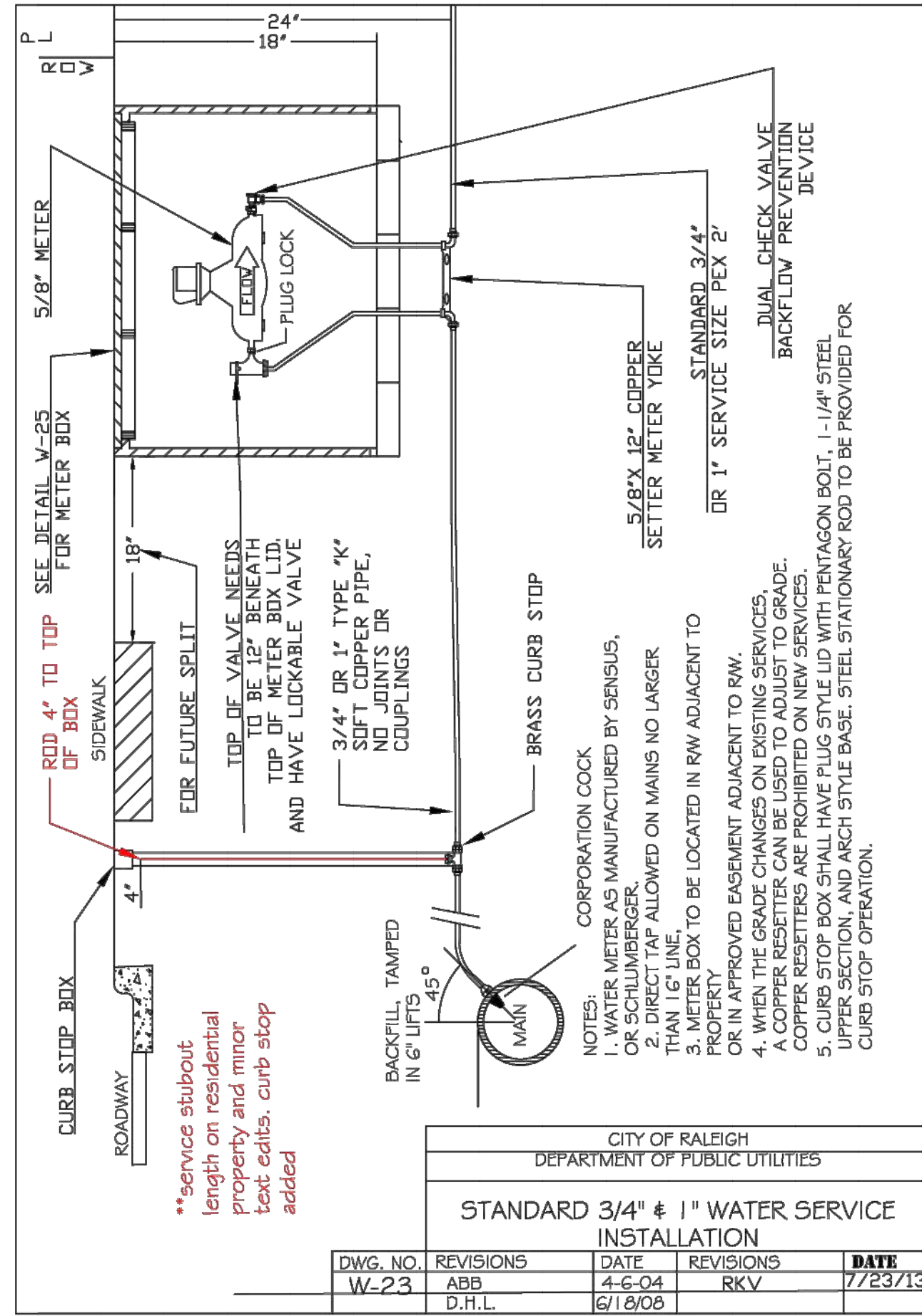
END PIPE SIZE	6" - 12"
MAIN PIPE SIZE	12" & GREATER

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
TEMPORARY WATER MAIN BLOW OFF ASSEMBLY					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-21	D.W.C.	12-28-99	A.B.B.	4-12-04	
	RRH	3-31-00	DHL	6-16-07	



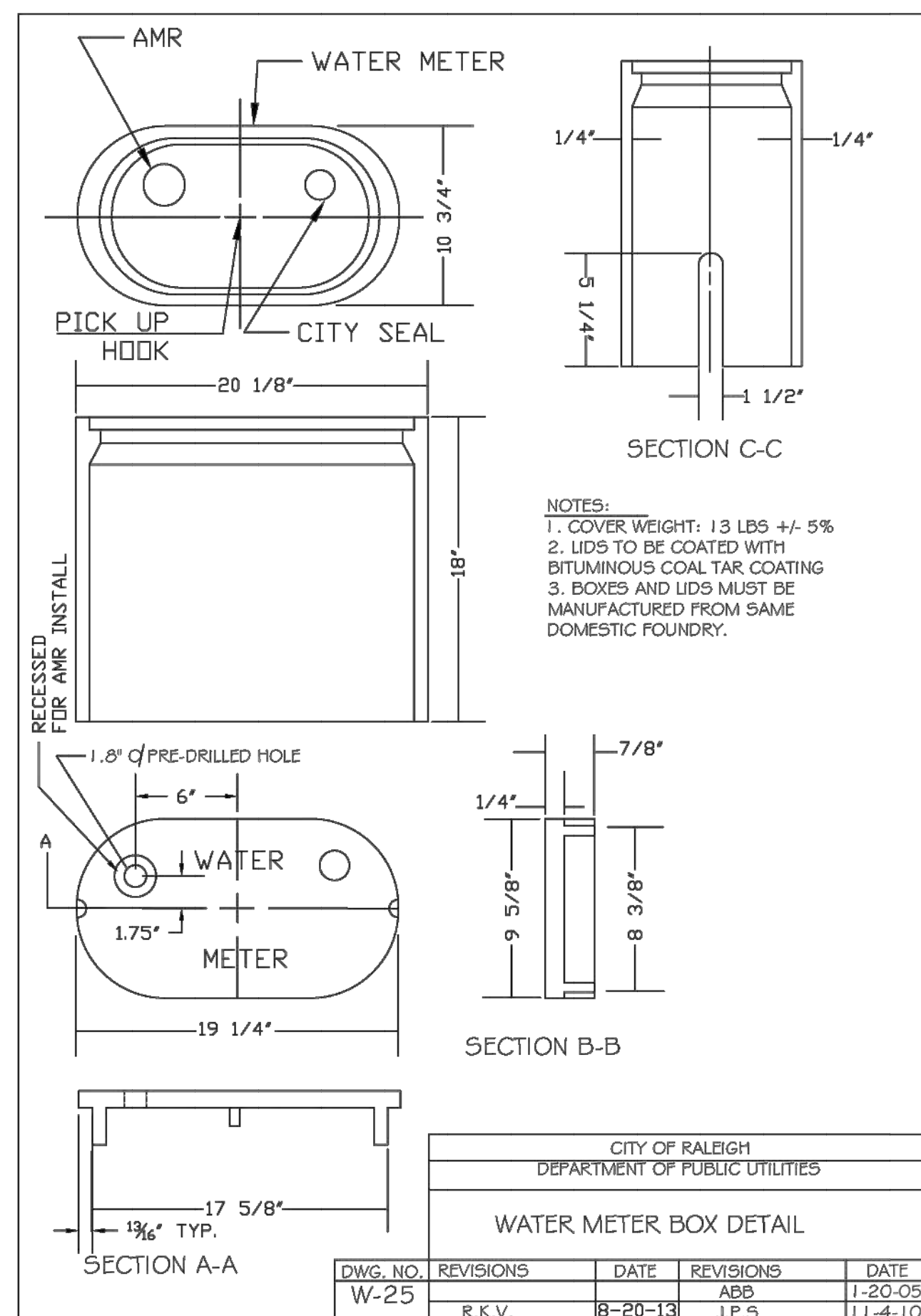
- NOTES:
- DRILL 1/4" WEEP HOLE FOR STACK DRAINAGE INTO STONE.
  - DOUBLE 3/4" BRIDLE RODS ON BOTH SIDES.
  - CONCRETE SHALL BE 3000 PSI WITH 4% W/3. POSITIVE DRAINAGE AREA IS REQUIRED.
  - BOTTOM 90° ELBOW SHALL HAVE BLIND FLANGE ATTACHED WITH TWO BOLTS.
  - INSTALL WATER MAIN MARKER AT RW OR P/L TO LOCATE.
  - 3/4" RODS AND BOLTS TO BE HOT DIPPED GALVANIZED.
  - END PIPE SIZE 6" MIN. OR AS APPROVED BY PUBLIC UTILITIES.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
PERMANENT WATER MAIN BLOW OFF ASSEMBLY					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-22	D.W.C.	12-28-99	DHL	6-16-07	
	A.B.B.	4-13-04			



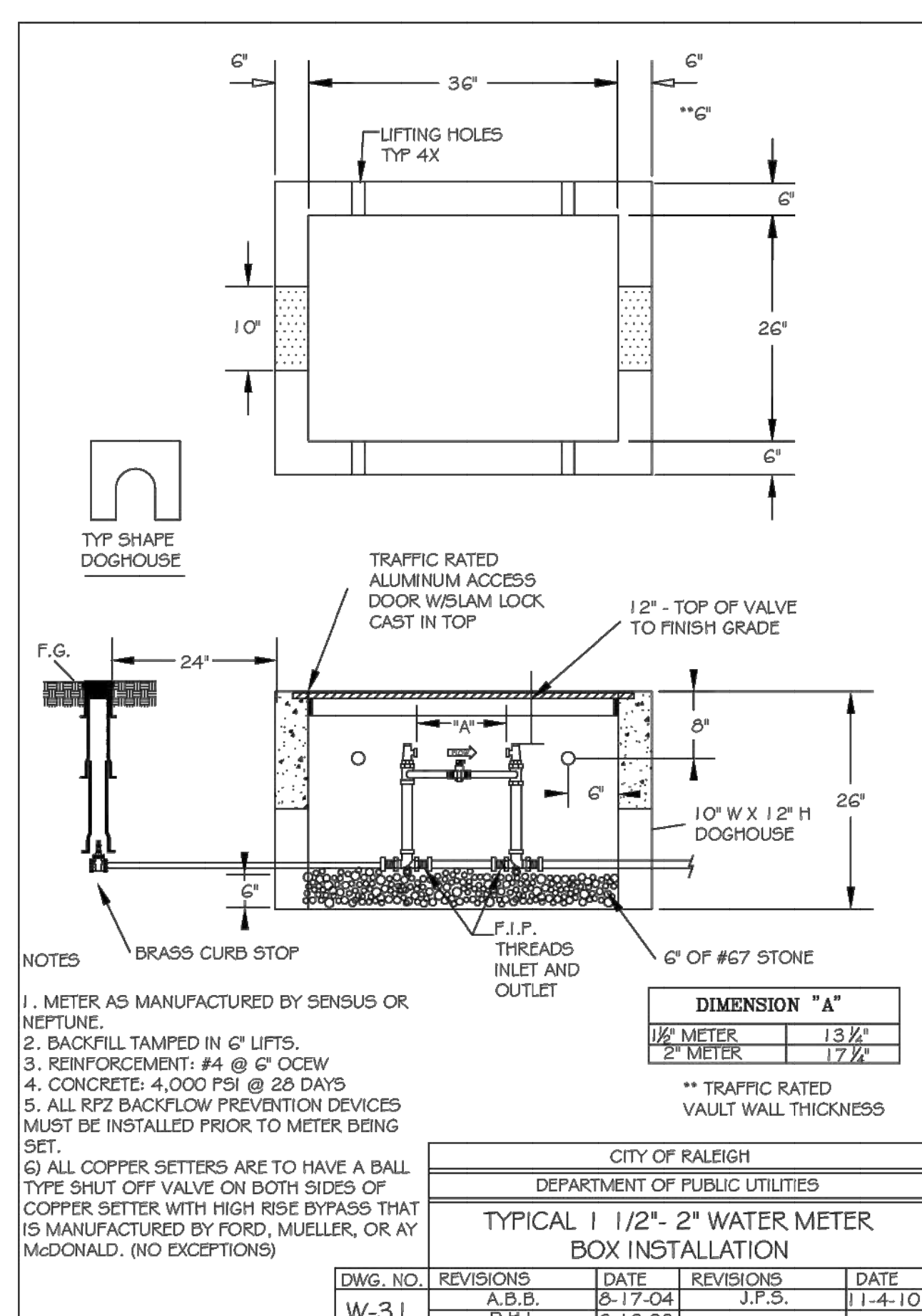
- NOTES:
- WATER METER AS MANUFACTURED BY SENSUS, OR SCHLUMBERGER, ALLOWED ON MAINS NO LARGER THAN 1 1/2".
  - METER BOX TO BE LOCATED IN ROW ADJACENT TO PROPERTY.
  - OR IN APPROVED EASEMENT ADJACENT TO RW.
  - IF METER BOX IS TO BE LOCATED IN ROW ADJACENT TO RW, COPPER SETTERS ARE PROHIBITED ON NEW SERVICES.
  - CURB STOP BOX SHALL HAVE PLUG STYLE LID WITH PENTAGON BOLT, 1-1/4" STEEL UPPER SECTION, AND ARCH STYLE BASE. STEEL STATIONARY ROD TO BE PROVIDED FOR CURB STOP OPERATION.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
STANDARD 3/4" & 1" WATER SERVICE INSTALLATION					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-23	ABB	4-6-04	RKV	7/23/13	
	D.H.L.	6/19/08			



- NOTES:
- COVER WEIGHT: 13 LBS +/- 5%
  - LIDS TO BE COATED WITH BITUMINOUS COAL TAR COATING
  - BOXES AND LIDS MUST BE MANUFACTURED FROM SAME DOMESTIC FOUNDRY.

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
WATER METER BOX DETAIL					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-25	R.K.V.	8-20-13	ABB	1-20-05	
			J.P.S.	11-4-10	



- NOTES:
- METER AS MANUFACTURED BY SENSUS OR NEPTUNE.
  - BACKFILL TAMPED IN 6" LIFTS.
  - REINFORCEMENT: #4 @ 6" OCEW
  - CONCRETE: 4,000 PSI @ 28 DAYS
  - ALL RPZ BACKFLOW PREVENTION DEVICES MUST BE INSTALLED PRIOR TO METER BEING SET.
  - ALL COPPER SETTERS ARE TO HAVE A BALL TYPE SHUT OFF VALVE ON BOTH SIDES OF COPPER SETTER WITH HIGH RISE BYPASS THAT IS MANUFACTURED BY FORD, MUELLER, OR AY McDONALD. (NO EXCEPTIONS)

CITY OF RALEIGH					
DEPARTMENT OF PUBLIC UTILITIES					
TYPICAL 1 1/2" - 2" WATER METER BOX INSTALLATION					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-31	A.B.B.	6-17-04	J.P.S.	11-4-10	
	D.H.L.	6-18-08			

NO.	REVISIONS	DATE	BY
01			
02			



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ENGINEERING GROUP

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	AS SHOWN	JWL	SRG	JWL	

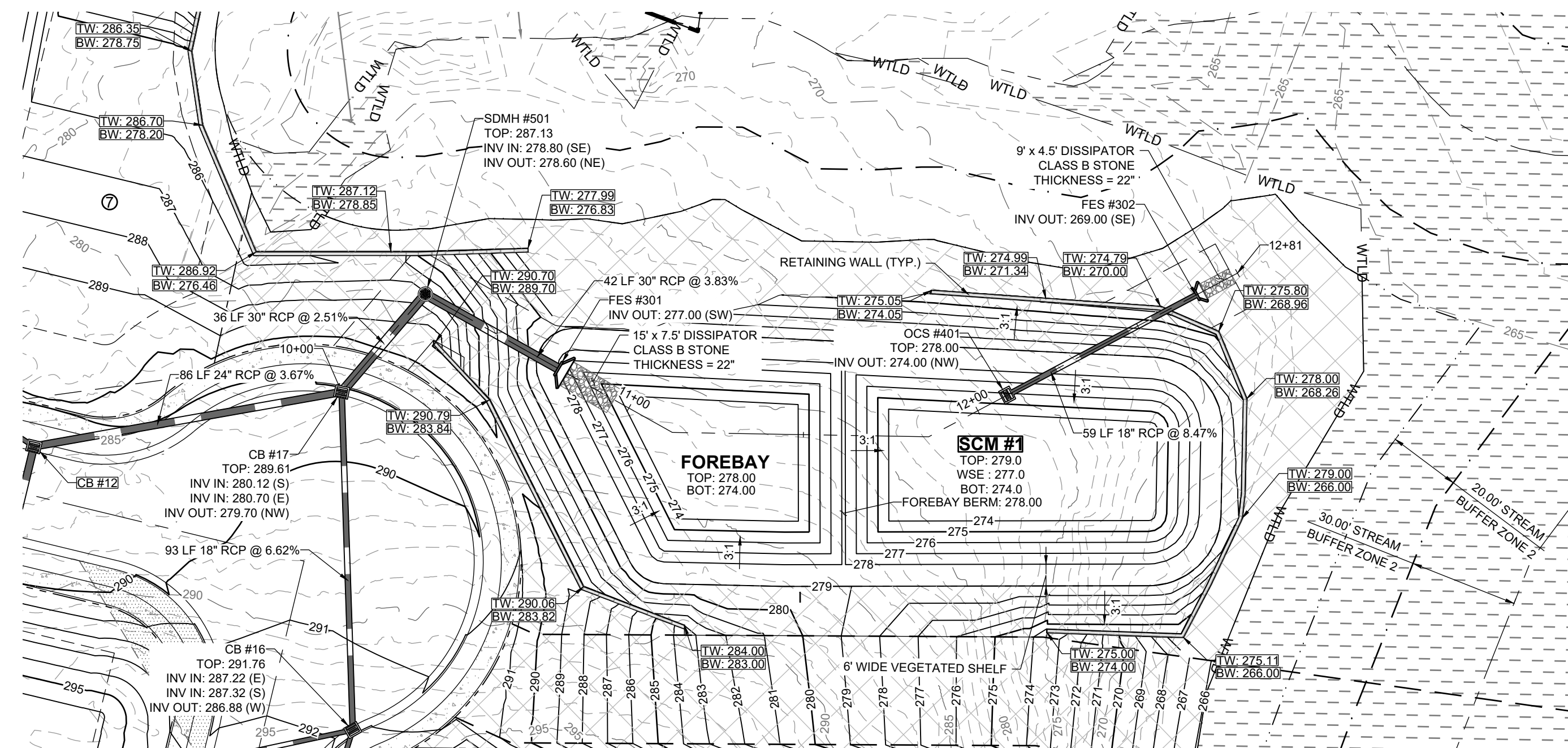
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

CONSTRUCTION PLANS  
WATER DETAILS

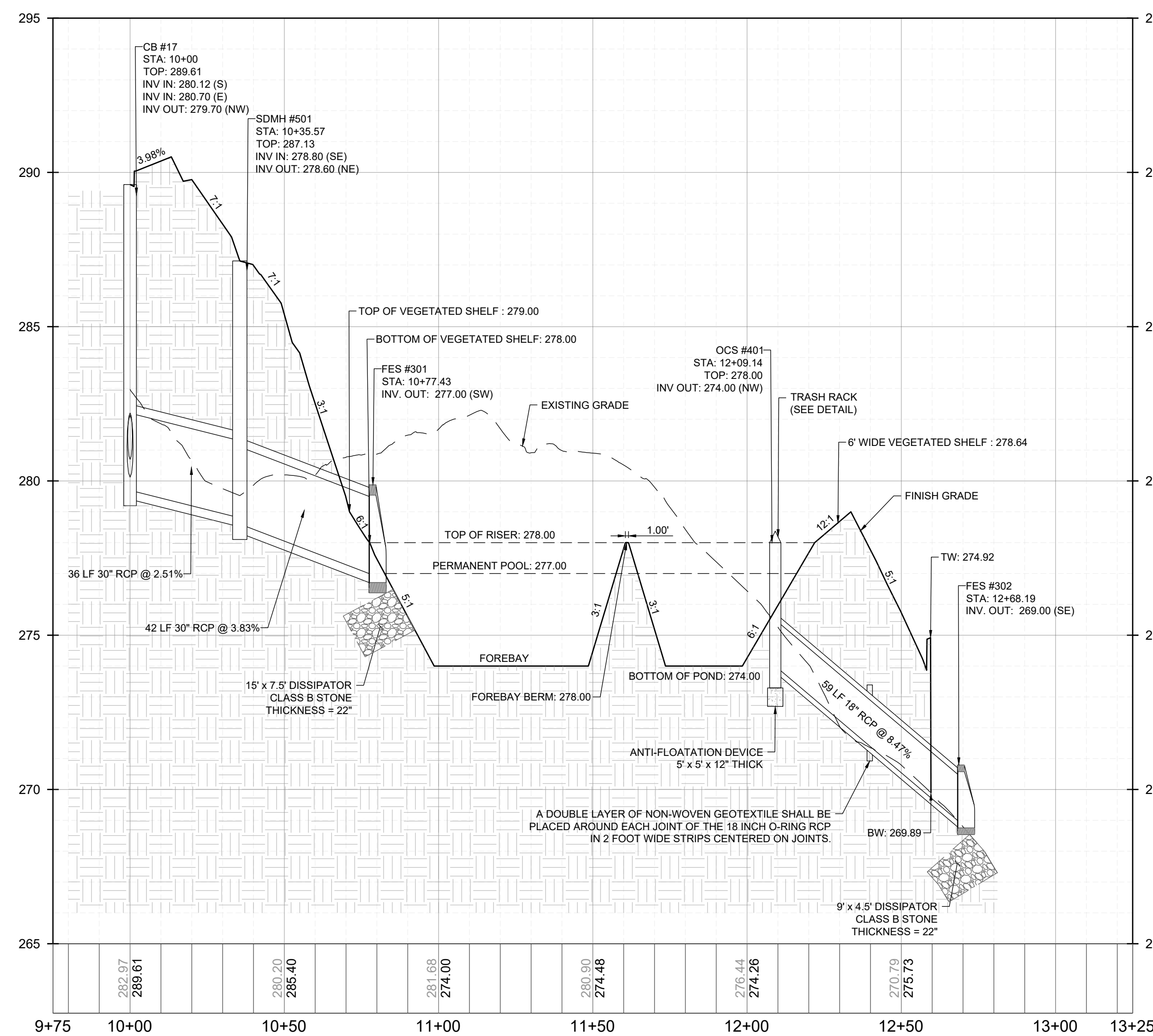
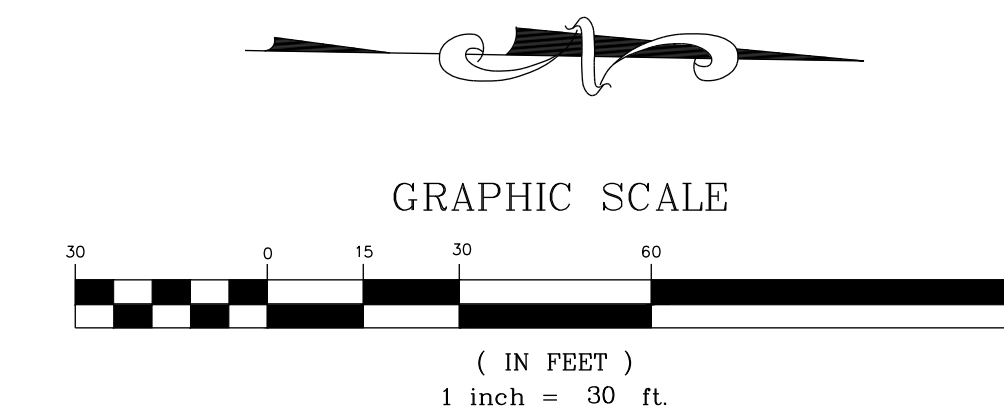
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
W-31	A.B.B.	6-17-04	J.P.S.	11-4-10
	D.H.L.	6-18-08		





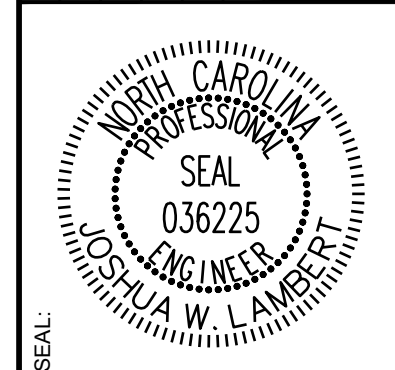


**STORMWATER CONTROL  
MEASURE '1' - PLAN VIEW**  
HORIZONTAL: 1" = 30'



**STORMWATER CONTROL  
MEASURE '1' - PROFILE VIEW**  
HORIZONTAL: 1" = 30'  
VERTICAL: 1" = 3'

NO.	REVISIONS	DATE	BY



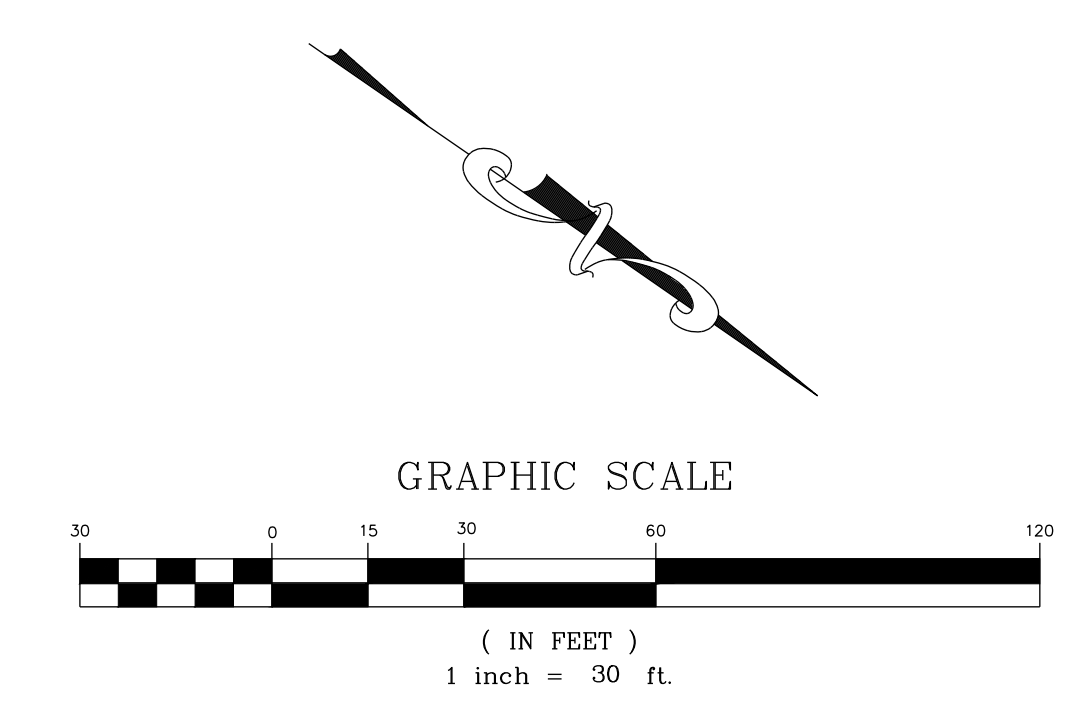
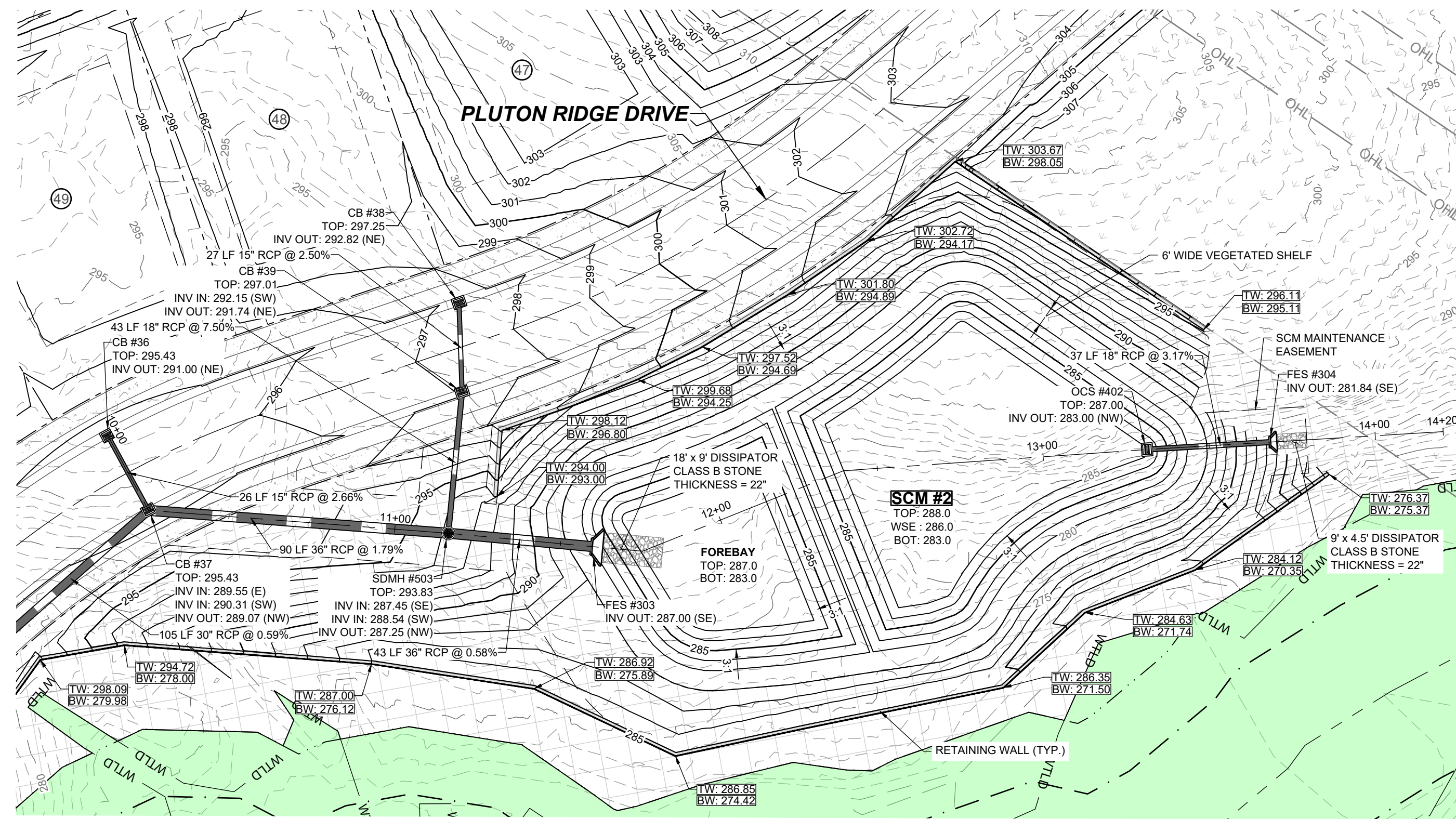
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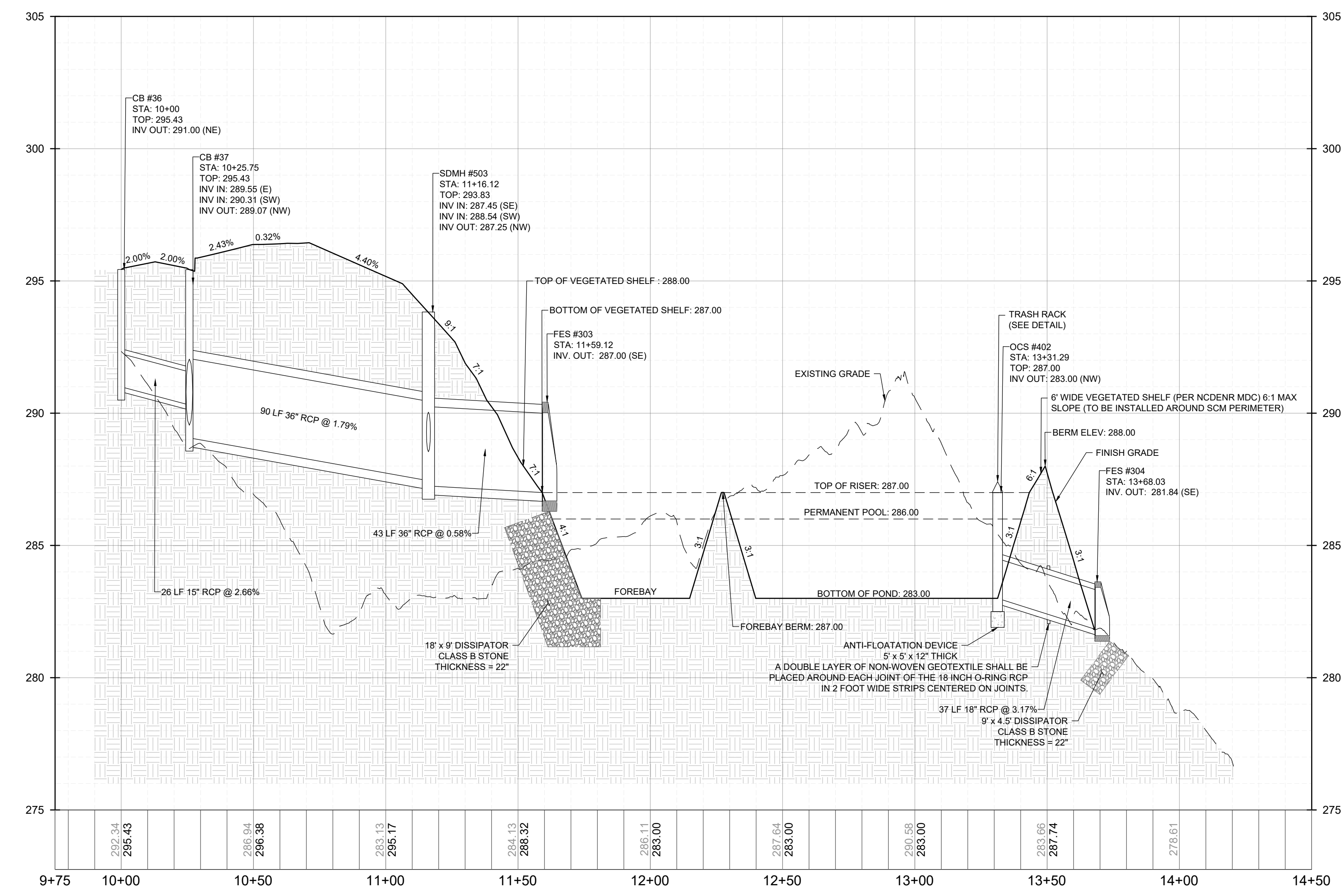
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
STORMWATER CONTROL  
MEASURE '1'

DRAWING SHEET  
**D-5.1**

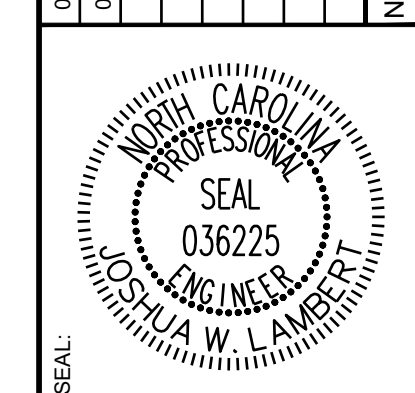


**STORMWATER CONTROL MEASURE '2' - PLAN VIEW**  
 HORIZONTAL: 1" = 30'



**STORMWATER CONTROL MEASURE '2' - PROFILE VIEW**  
 HORIZONTAL: 1" = 30'  
 VERTICAL: 1" = 3'

NO.	REVISIONS	DATE	BY
01			
02			



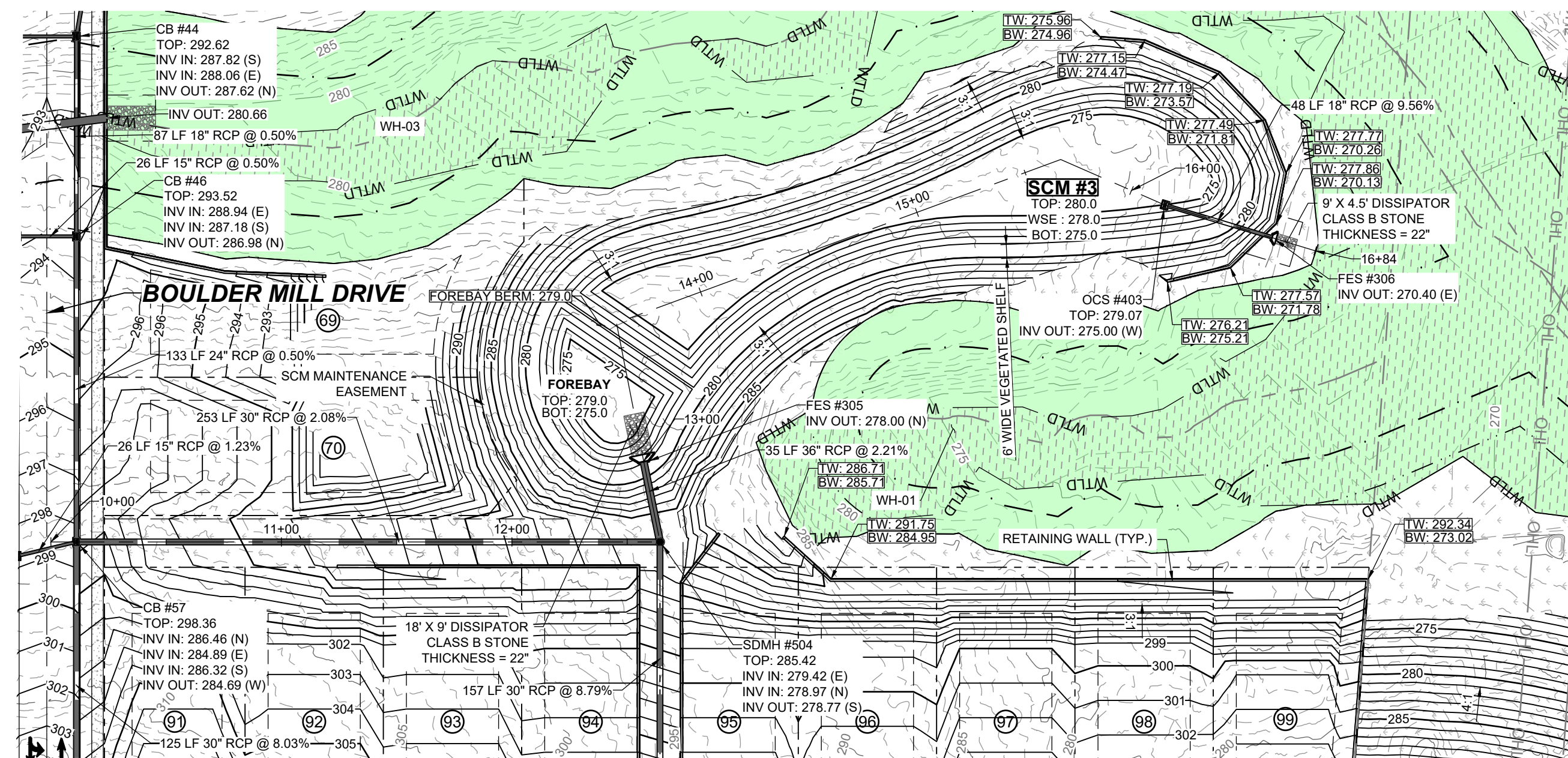
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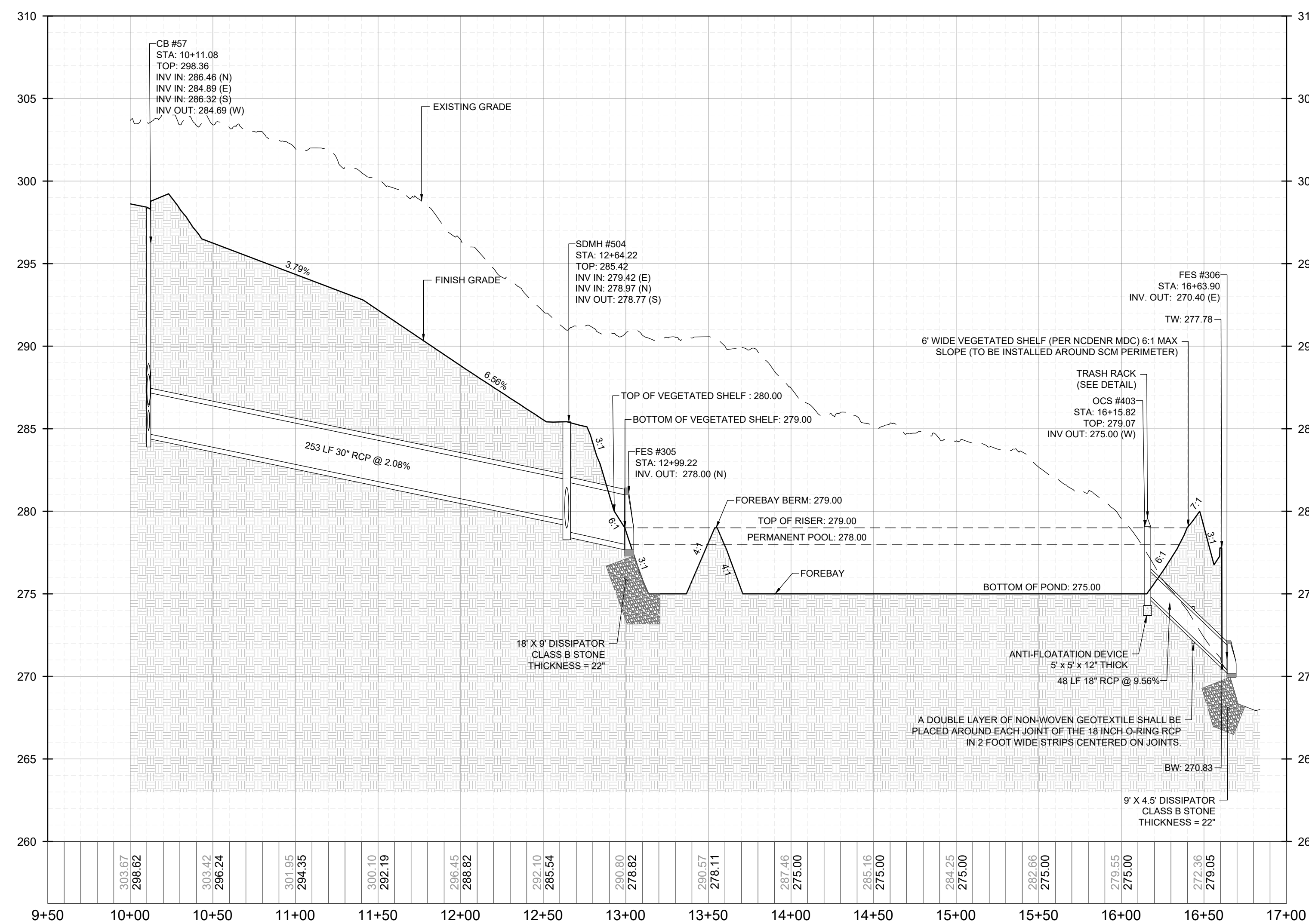
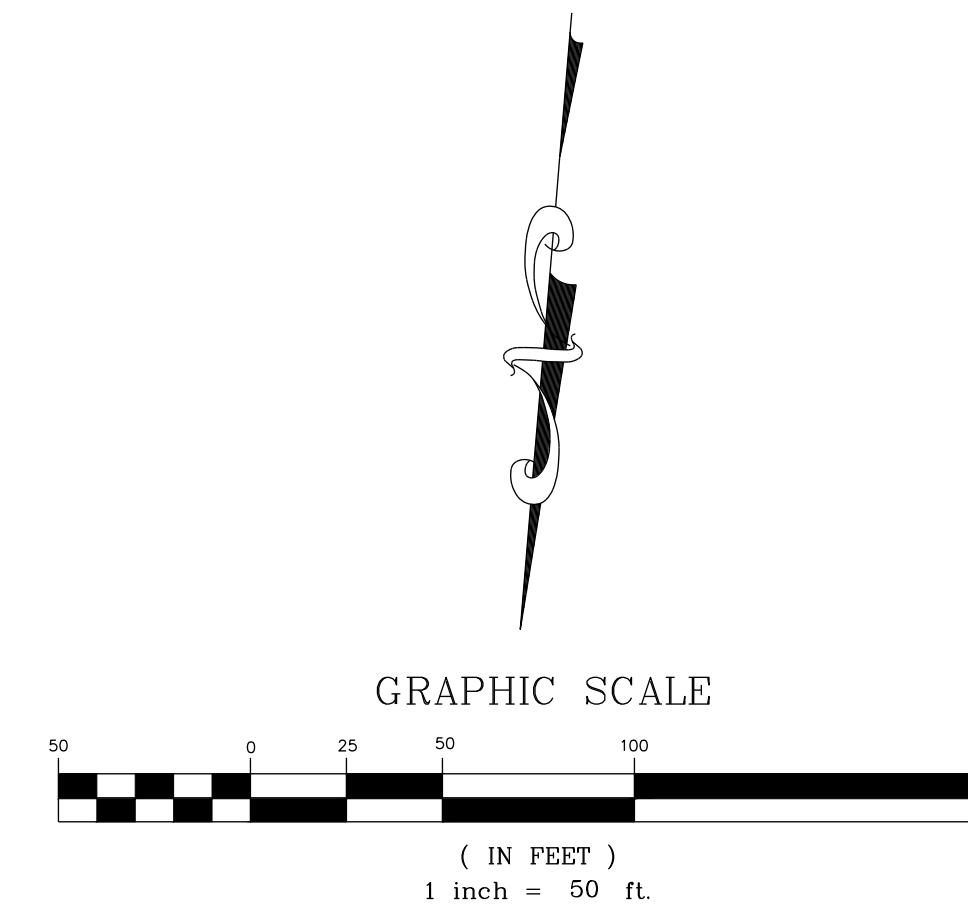
**HILLS AT HARRIS CREEK**  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**STORMWATER CONTROL MEASURE '2'**

DRAWING SHEET  
**D-5.2**

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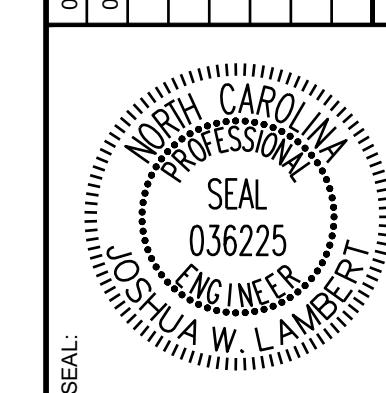


**STORMWATER CONTROL  
MEASURE '3' - PLAN VIEW**  
HORIZONTAL: 1" = 50'



**STORMWATER CONTROL  
MEASURE '3' - PROFILE VIEW**  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

NO.	REVISIONS	DATE	BY
01			
02			

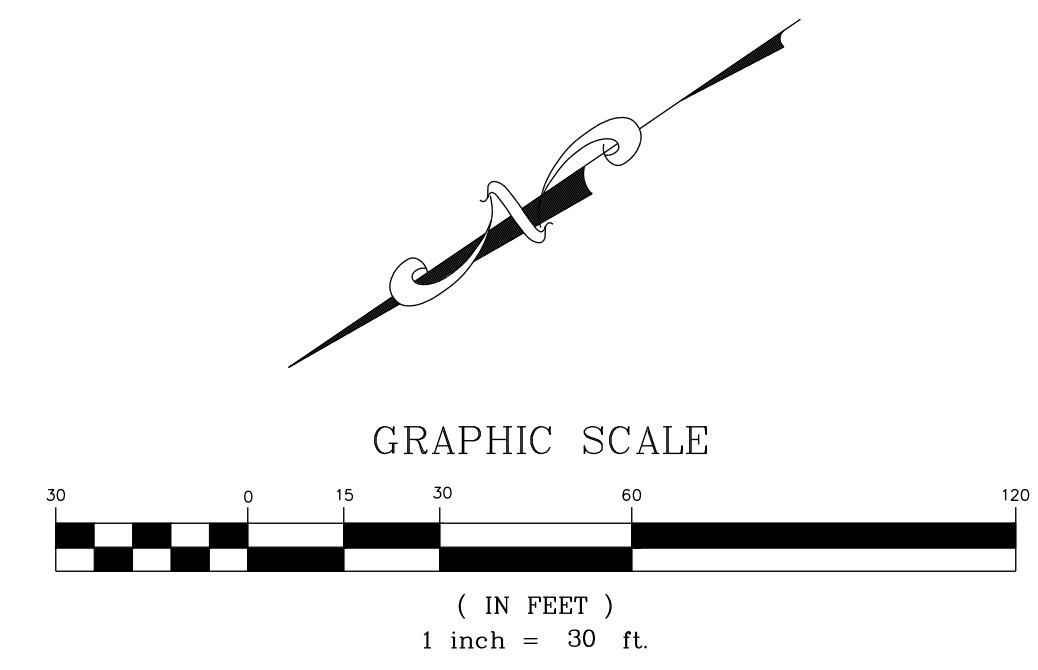
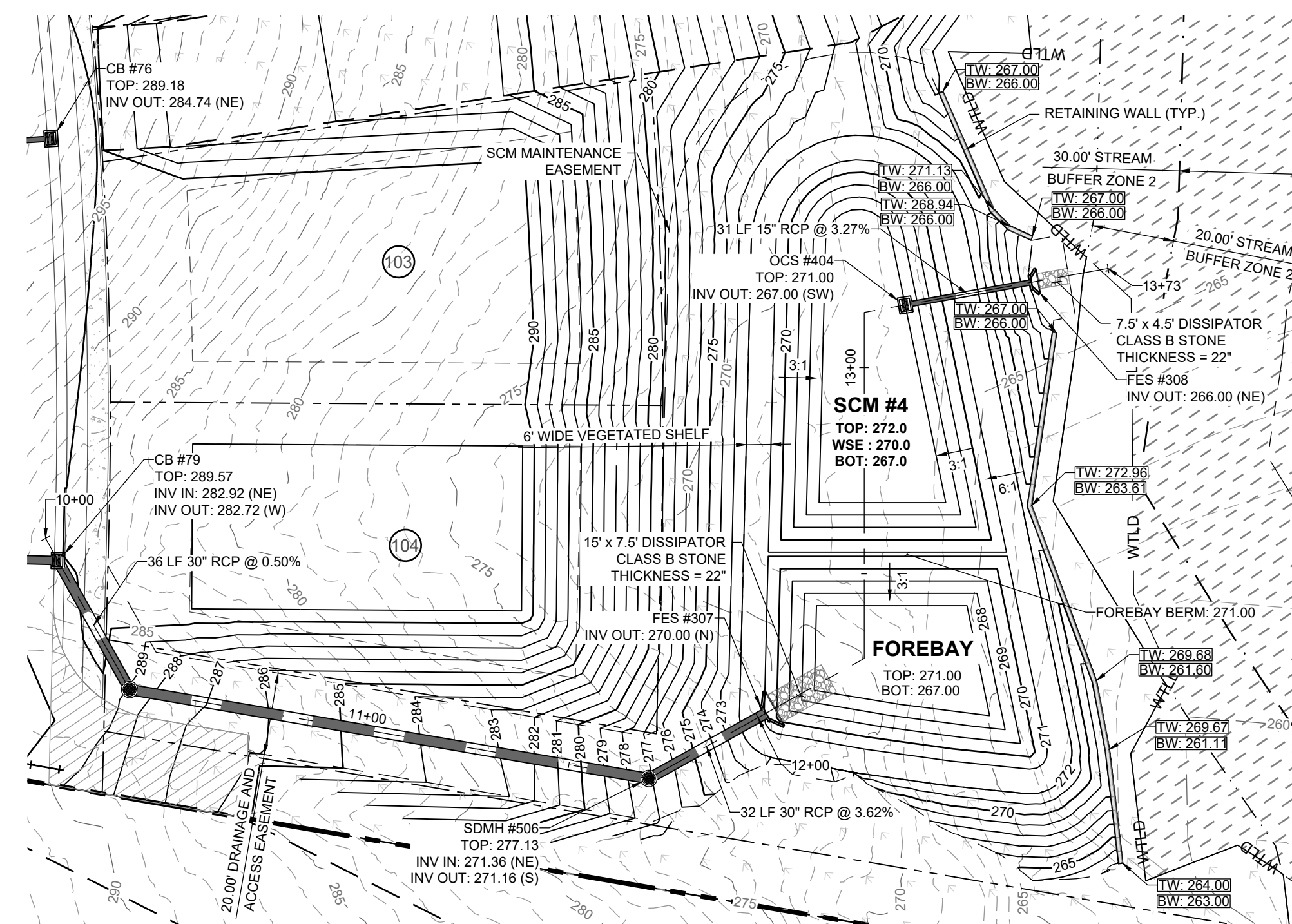


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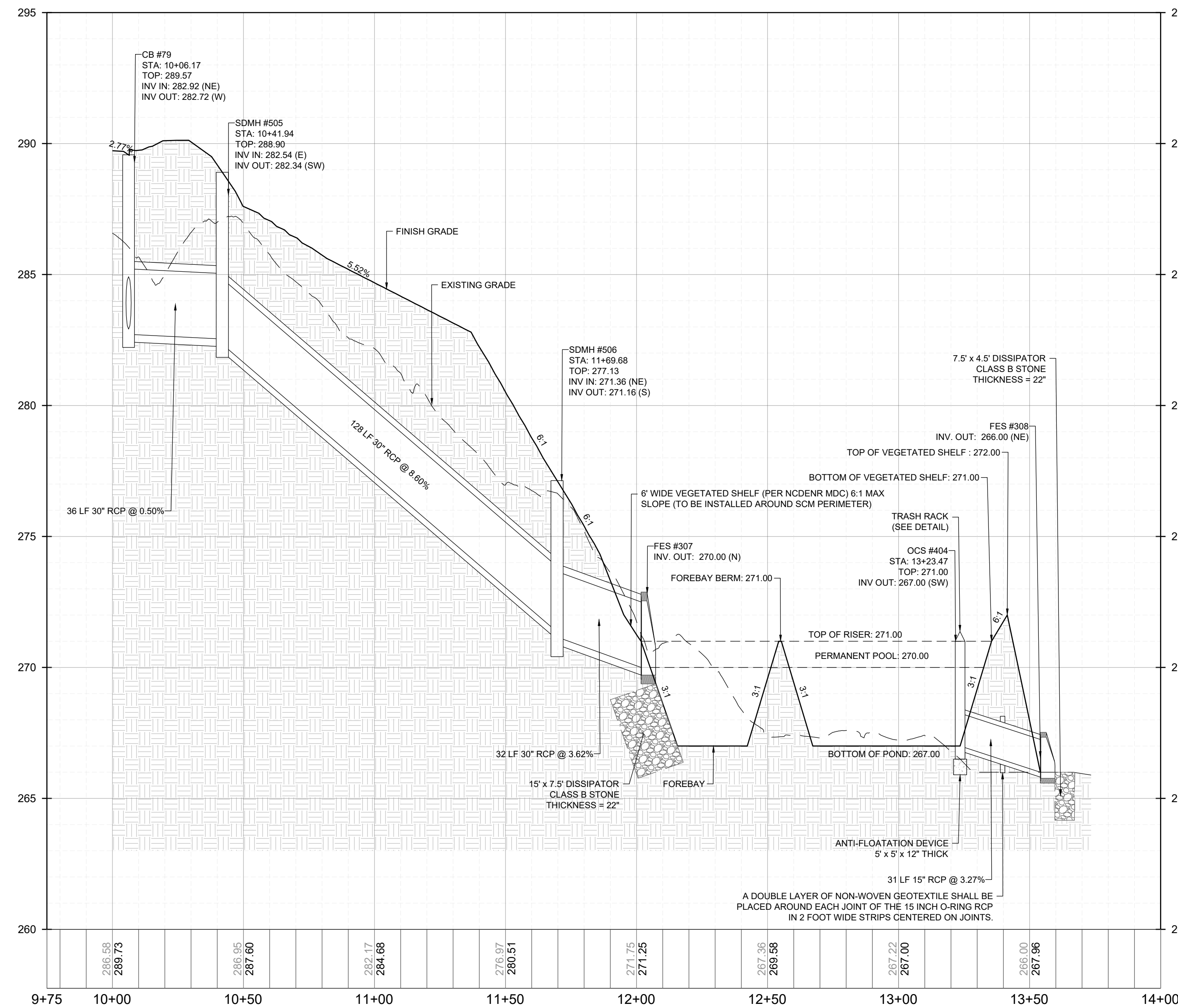
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			JWL	SRG	JWL

HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
STORMWATER CONTROL  
MEASURE '3'

DRAWING SHEET  
**D-5.3**

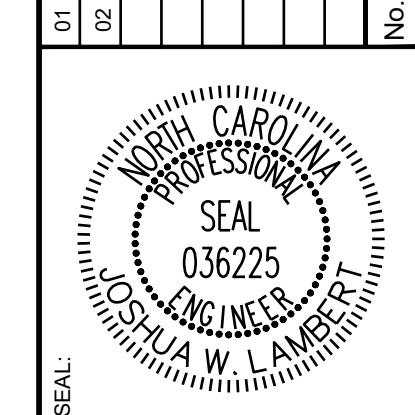


**STORMWATER CONTROL  
 MEASURE '4' - PLAN VIEW**  
 HORIZONTAL: 1" = 30'



**STORMWATER CONTROL  
 MEASURE '4' - PROFILE VIEW**  
 HORIZONTAL: 1" = 30'  
 VERTICAL: 1" = 3'

NO.	REVISIONS	DATE	BY
01			
02			



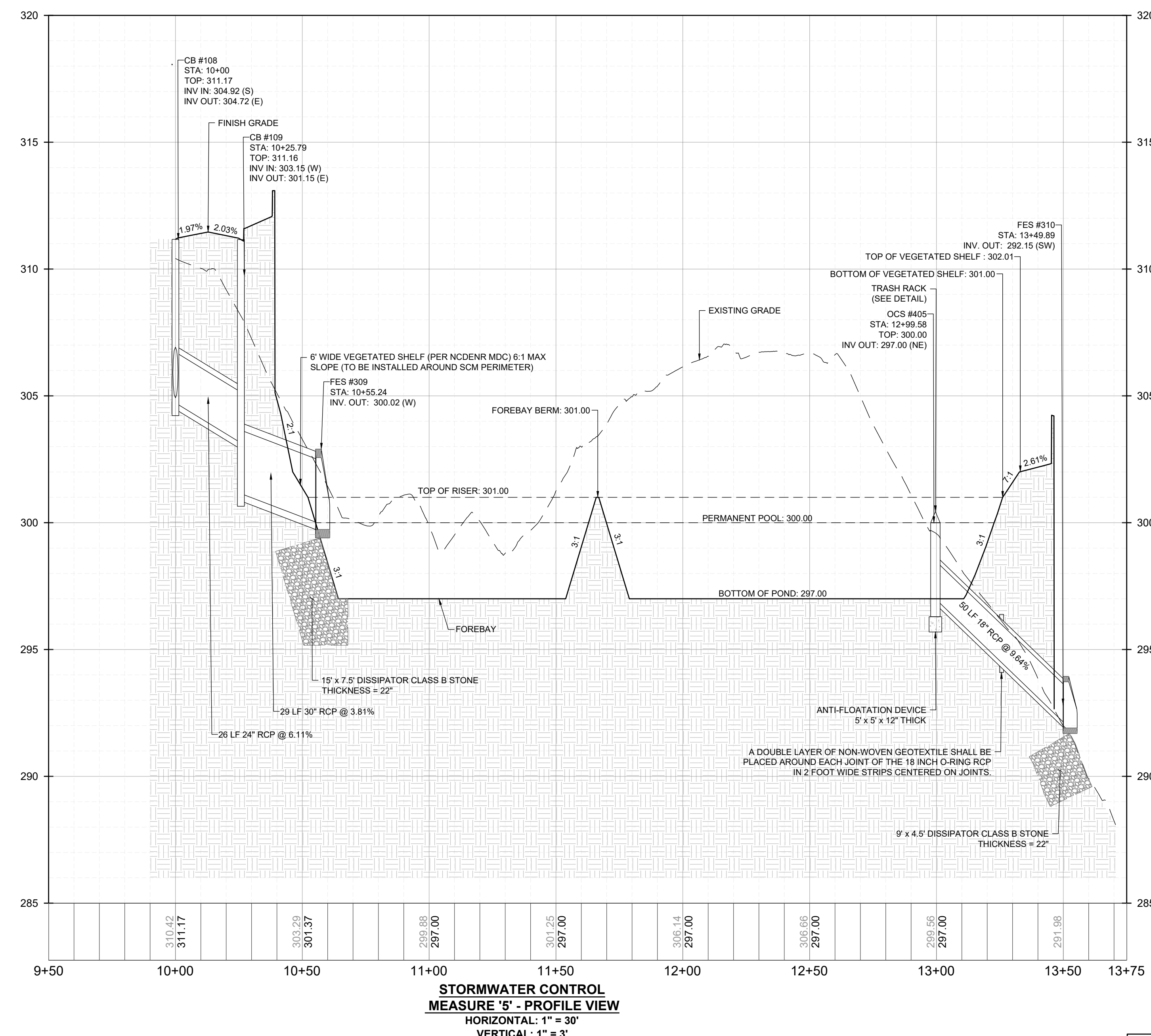
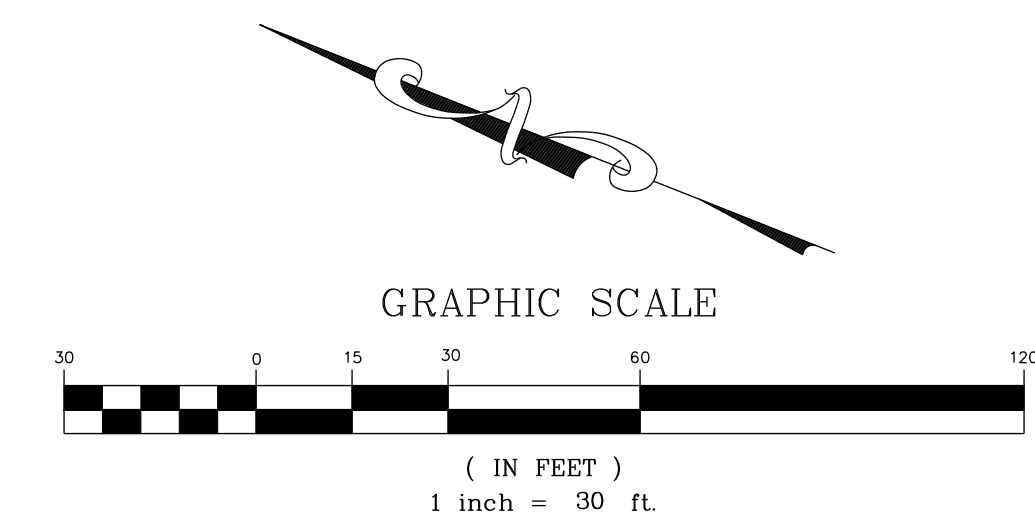
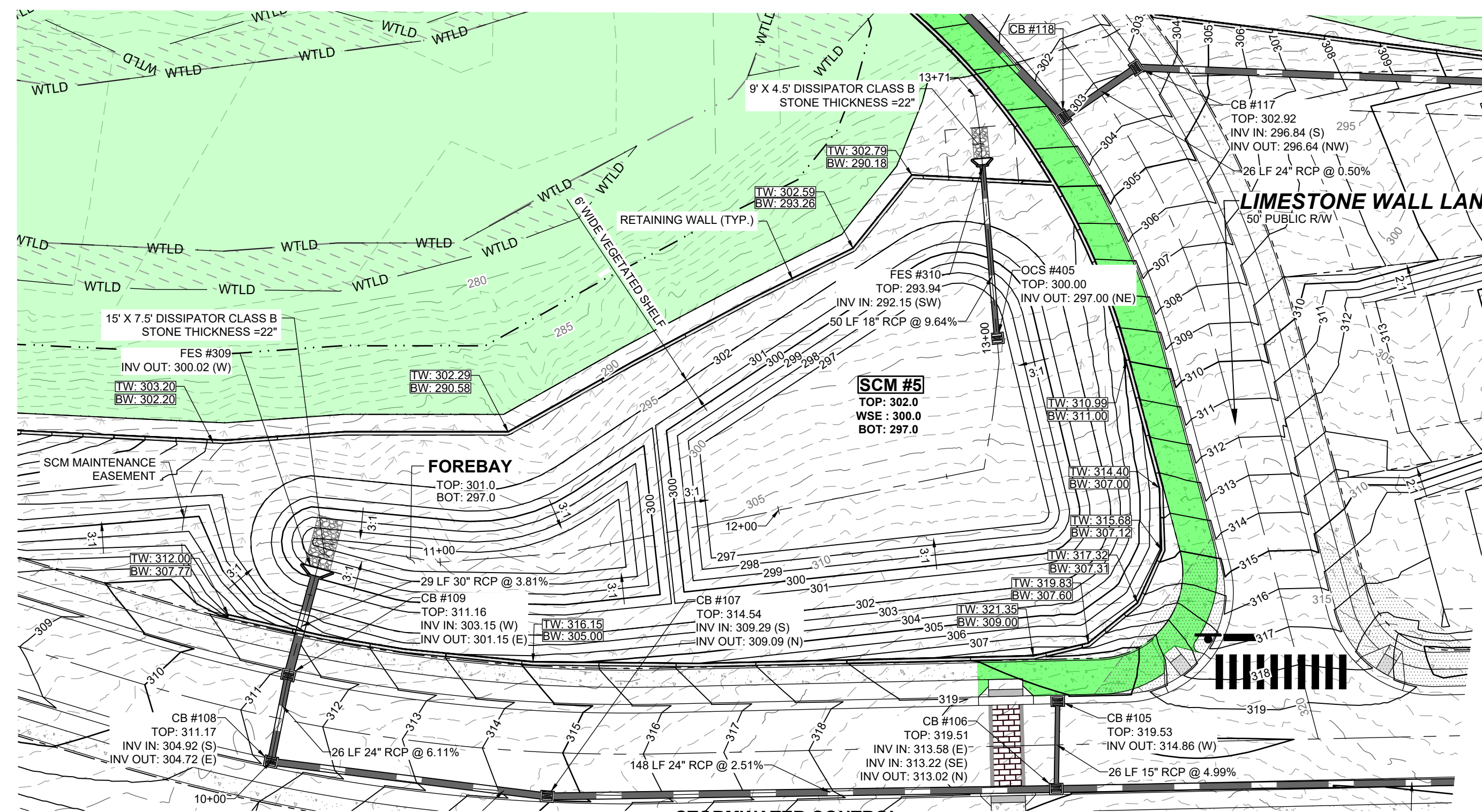
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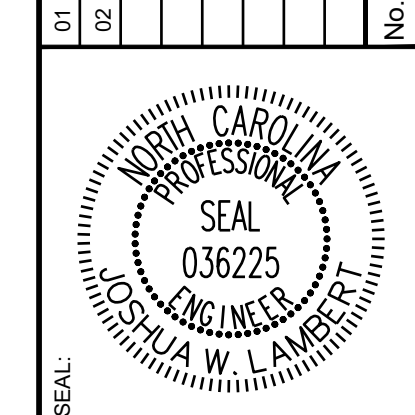
HILLS AT HARRIS CREEK  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**STORMWATER CONTROL**  
**MEASURE '4'**

DRAWING SHEET  
**D-5.4**

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NO.	DATE	REVISIONS
01		
02		



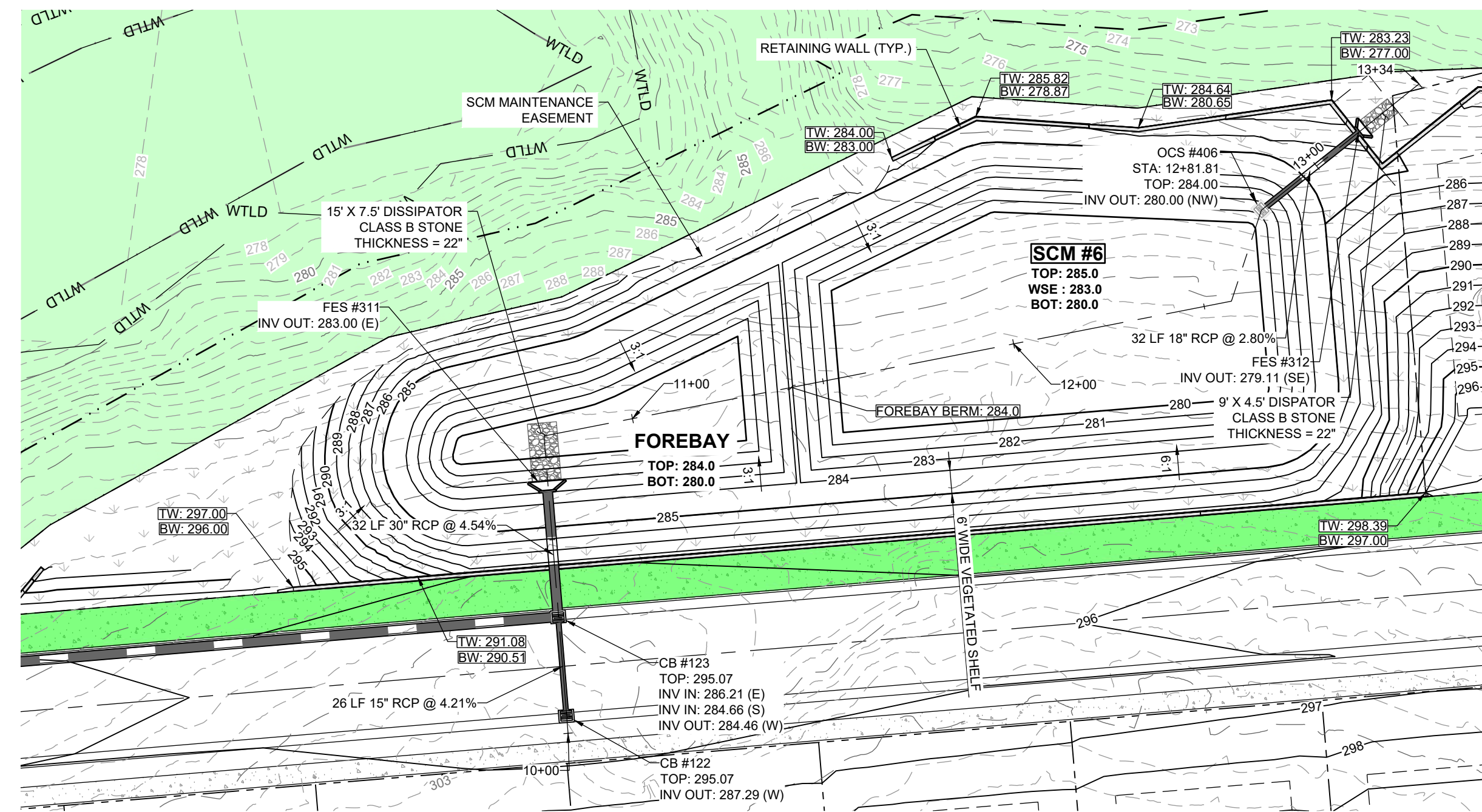
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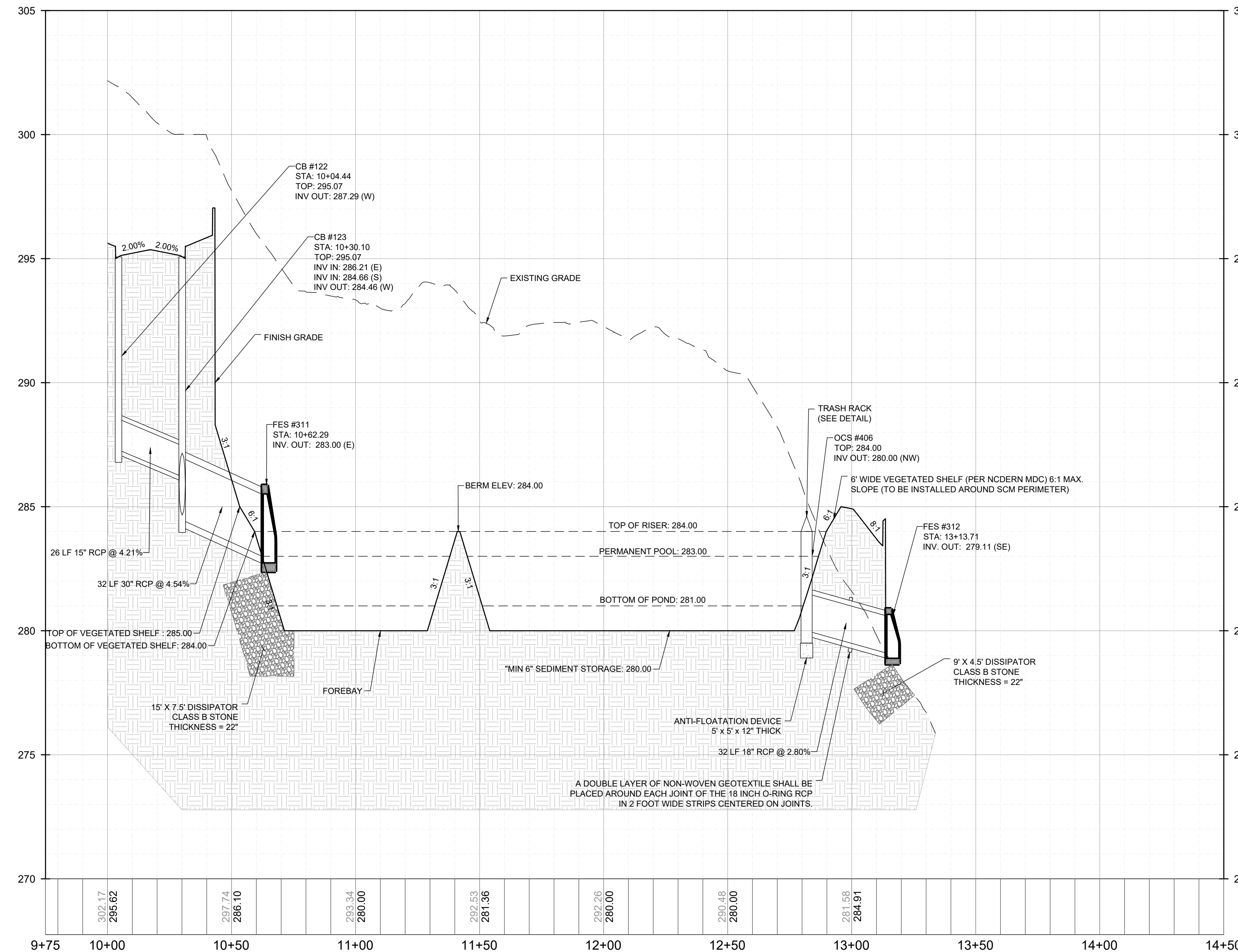
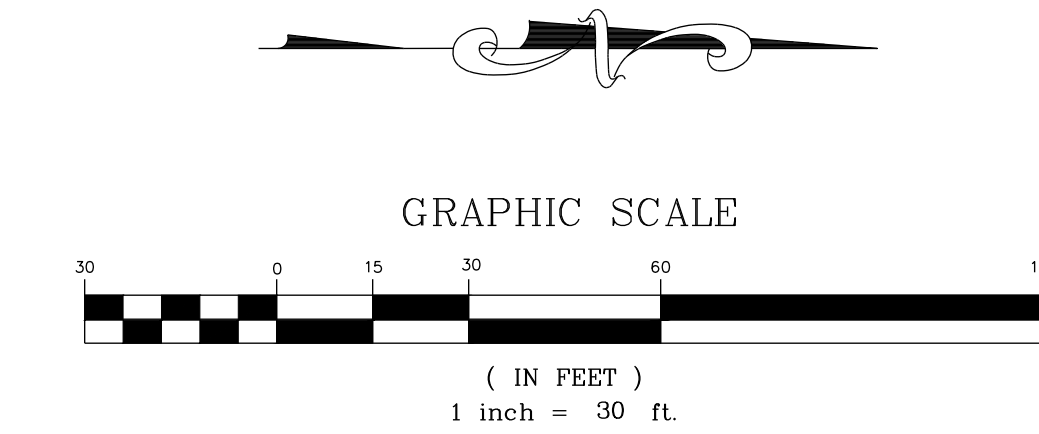
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
STORMWATER CONTROL  
MEASURE '5'

DRAWING SHEET  
**D-5.5**

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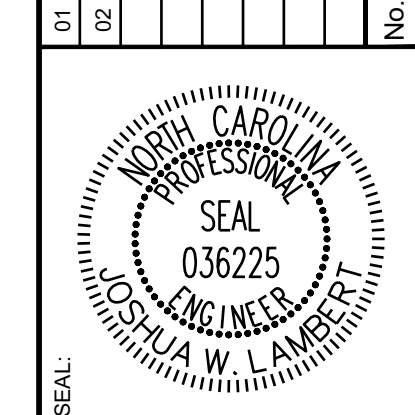


**STORMWATER CONTROL  
MEASURE '6' (WET POND) - PLAN VIEW**  
HORIZONTAL: 1" = 30'



**STORMWATER CONTROL  
MEASURE '6' (WET POND) - PROFILE VIEW**  
HORIZONTAL: 1" = 30'  
VERTICAL: 1" = 3'

NO.	REVISIONS	DATE	BY
01			
02			



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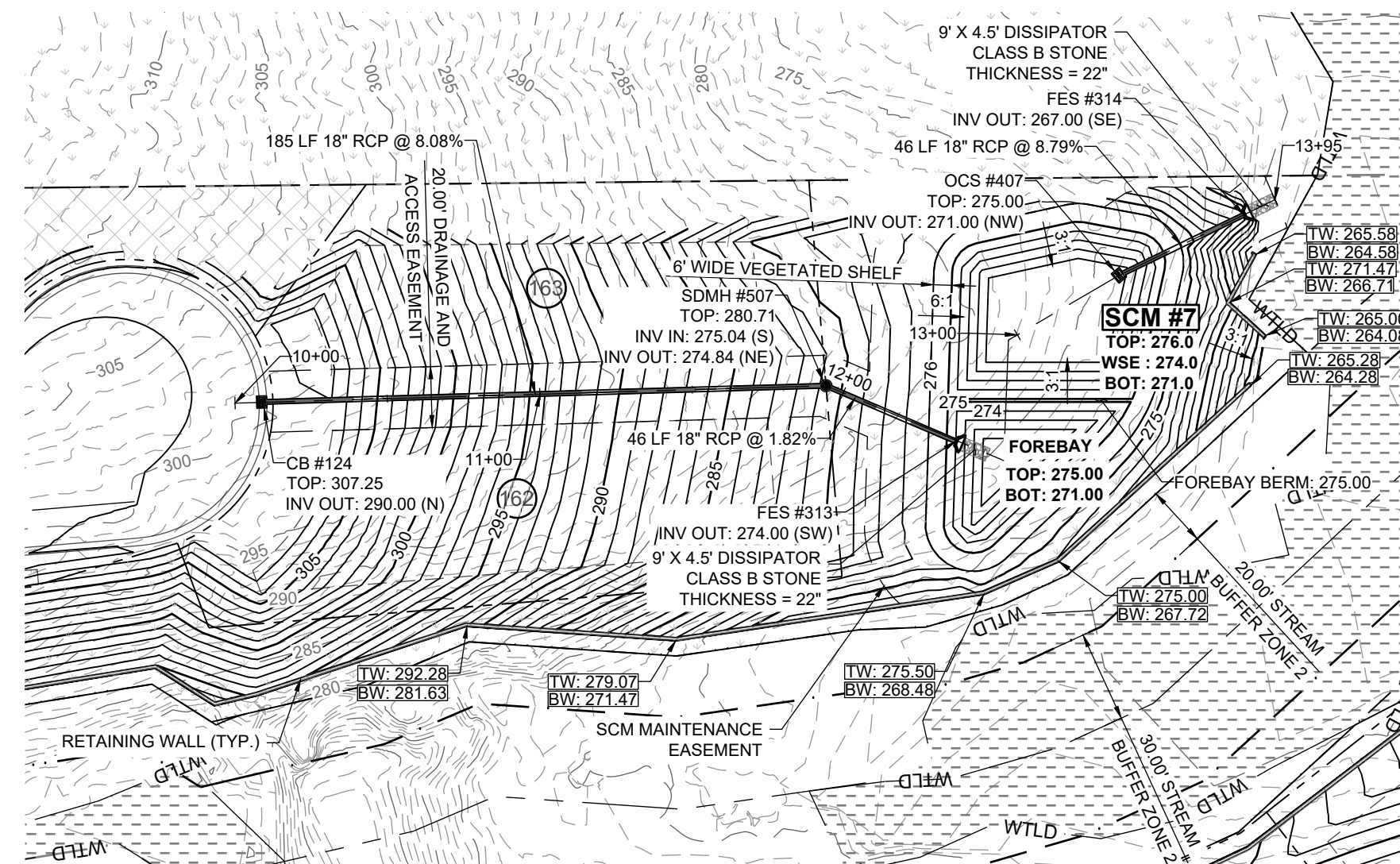
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			JWL	SRG	JWL

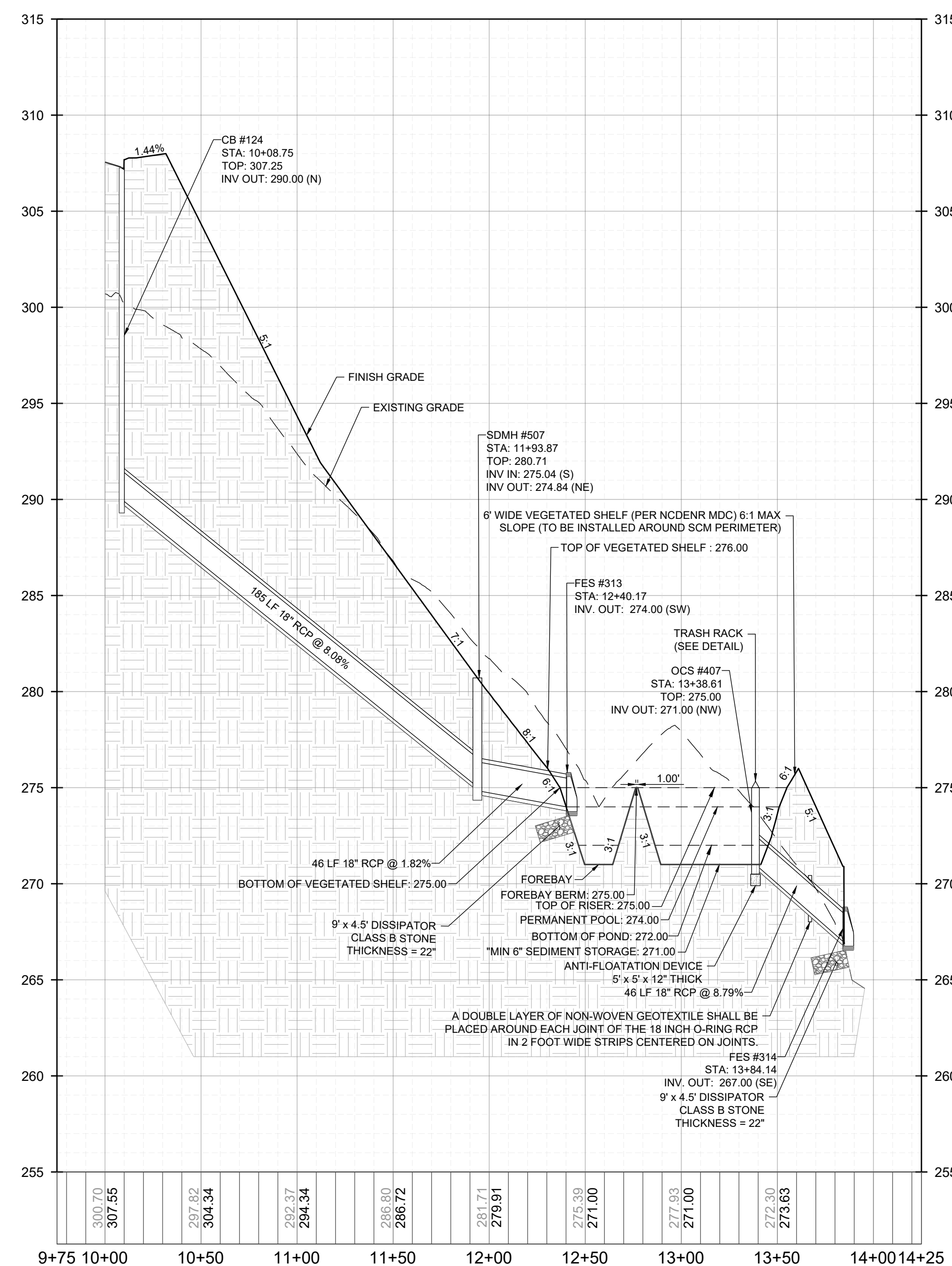
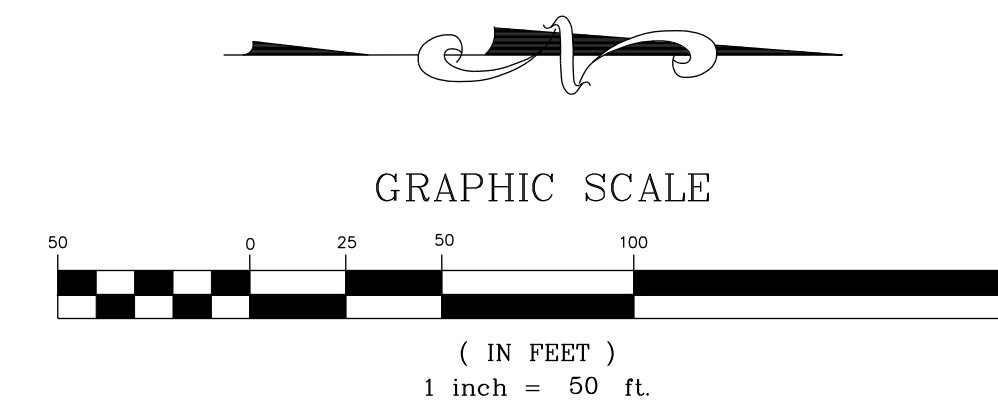
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
STORMWATER CONTROL  
MEASURE '6'

DRAWING SHEET  
**D-5.6**

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**STORMWATER CONTROL  
MEASURE '7' - PLAN VIEW**  
HORIZONTAL: 1" = 50'



**STORMWATER CONTROL  
MEASURE '7' - PROFILE VIEW**  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'

NO.	DATE	BY
01	11/01/2024	
02	02/03/2025	



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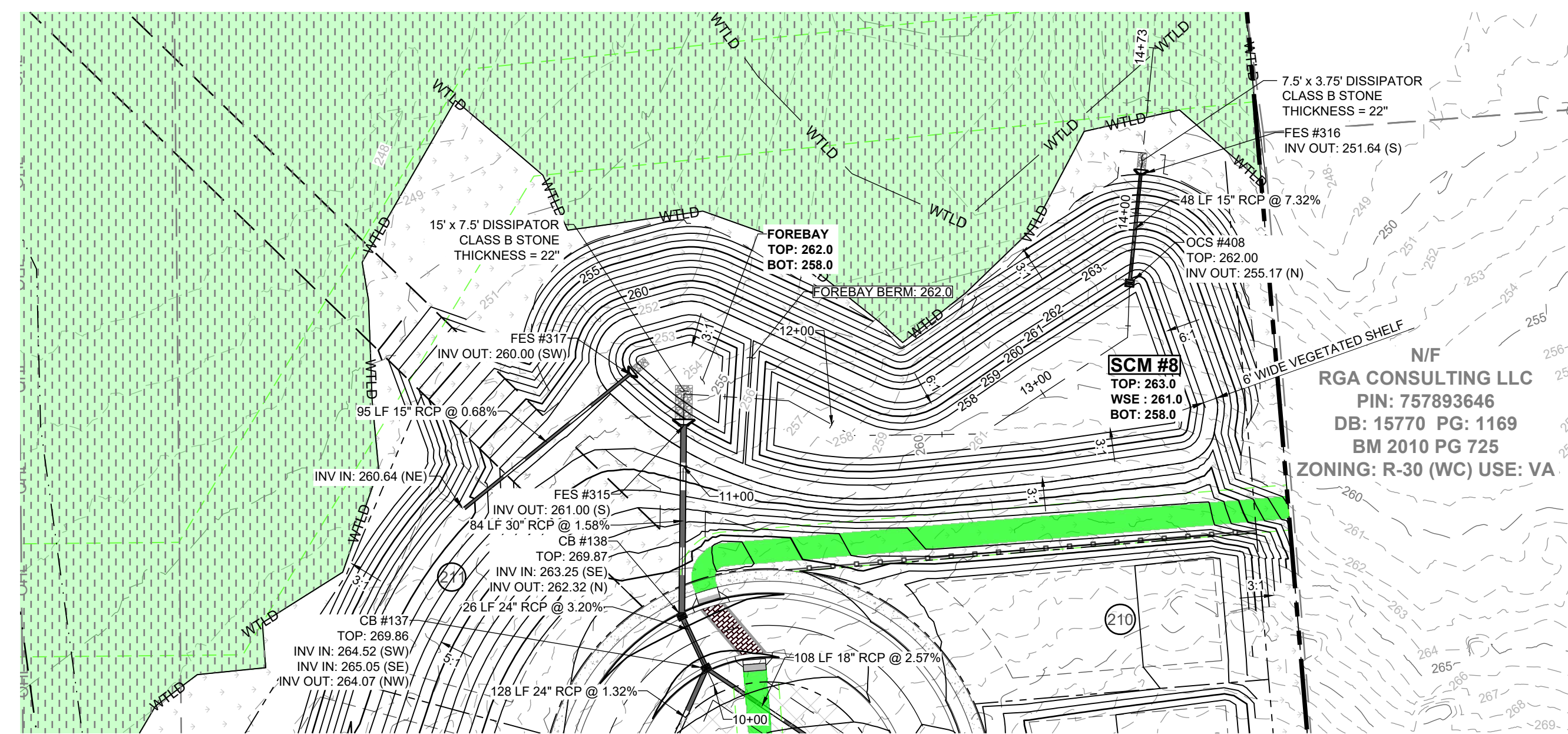
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**STORMWATER CONTROL  
MEASURE '7'**

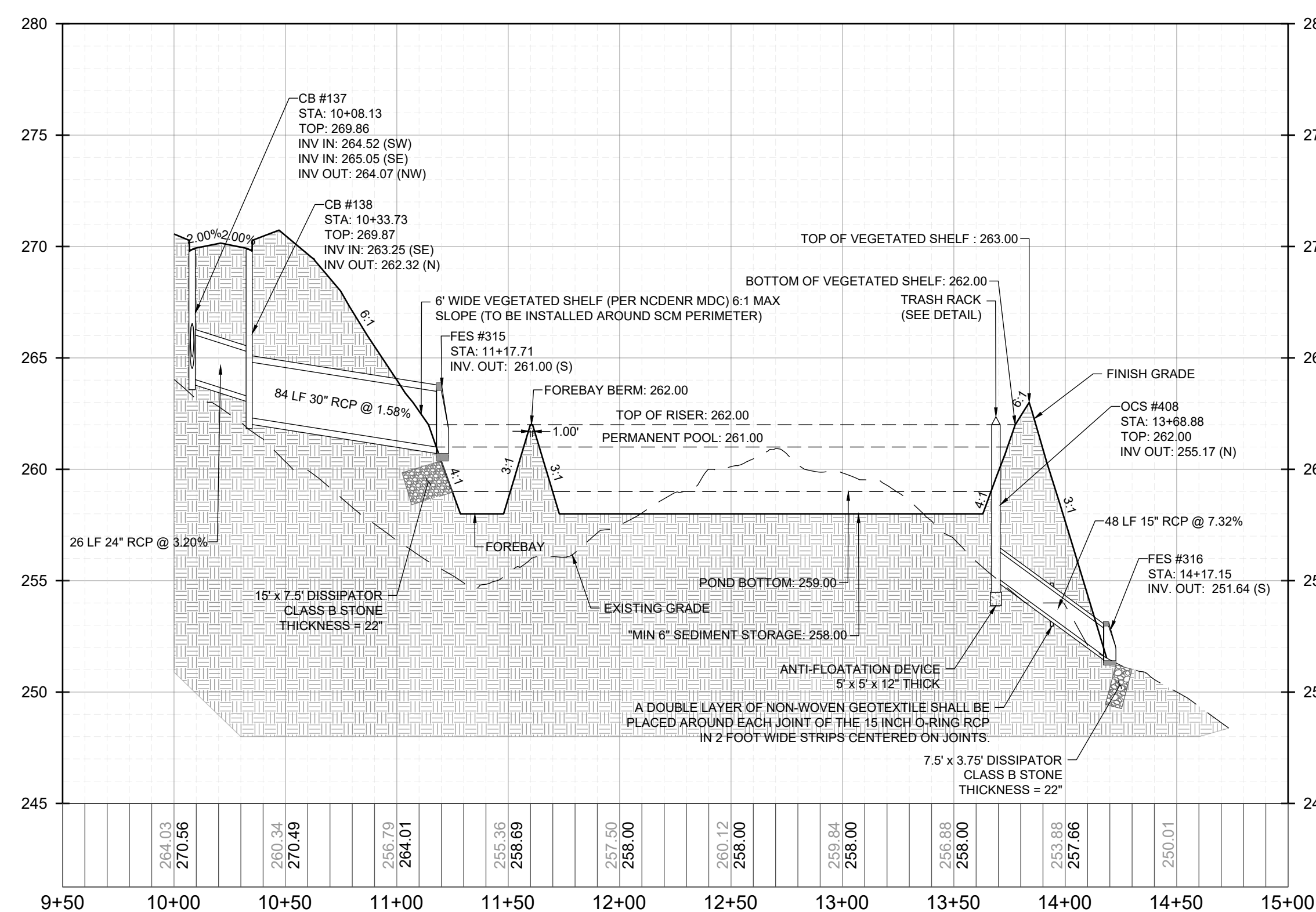
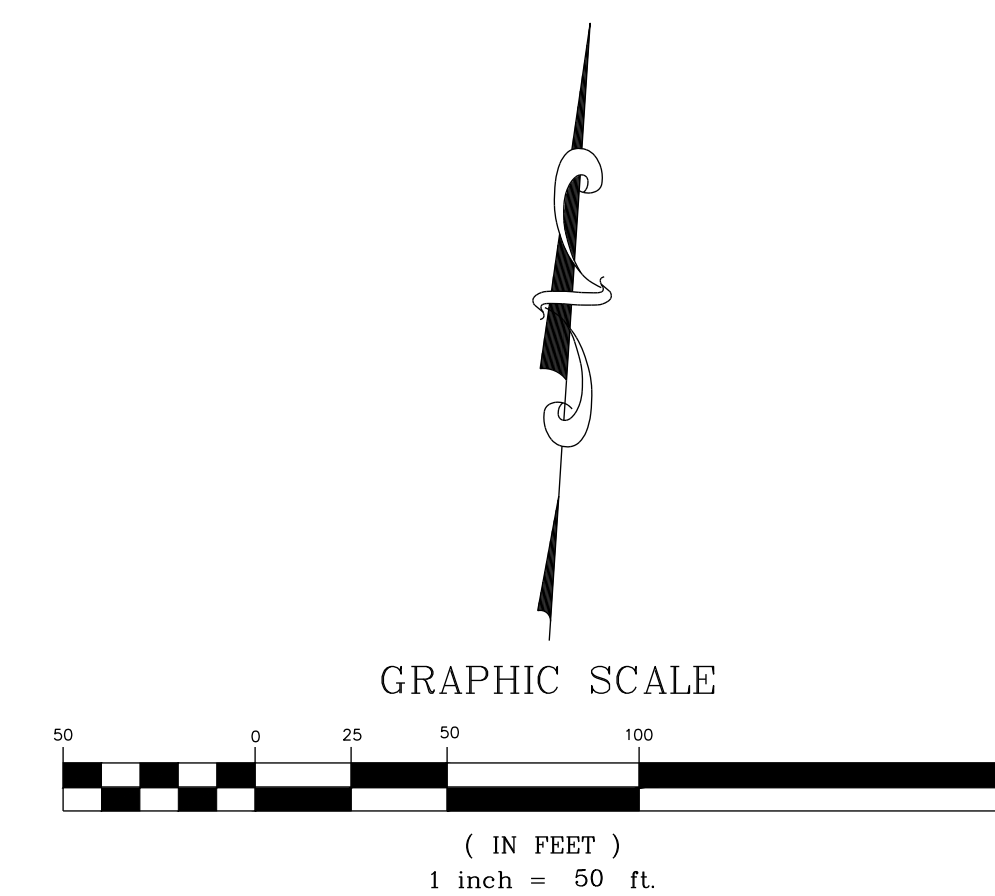
DRAWING SHEET  
**D-5.7**

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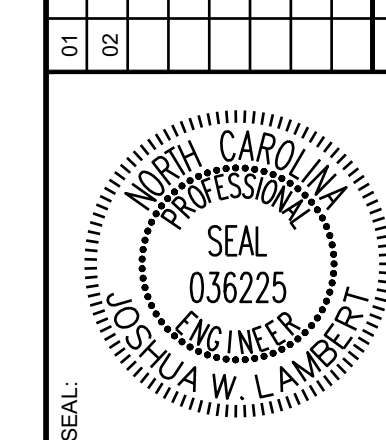


**PROPOSED SCM #8 - PLAN**  
HORIZONTAL: 1" = 50'



**PROPOSED SCM #8 - PROFILE**  
VERTICAL: 1" = 5'  
HORIZONTAL: 1" = 50'

NO.	REVISIONS	DATE	BY
01			
02			



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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
STORMWATER CONTROL  
MEASURE '8'

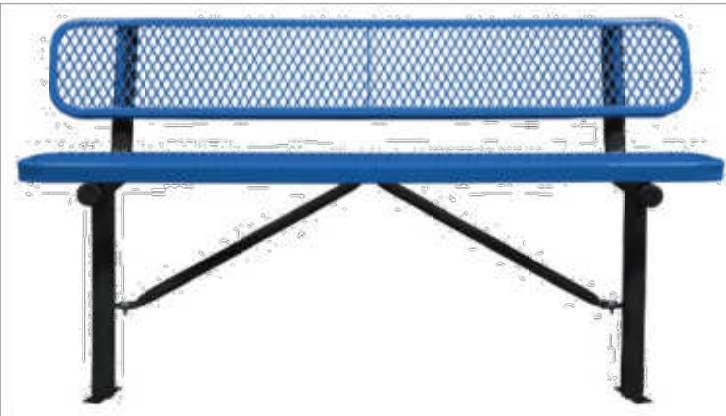
DRAWING SHEET  
**D-5.8**

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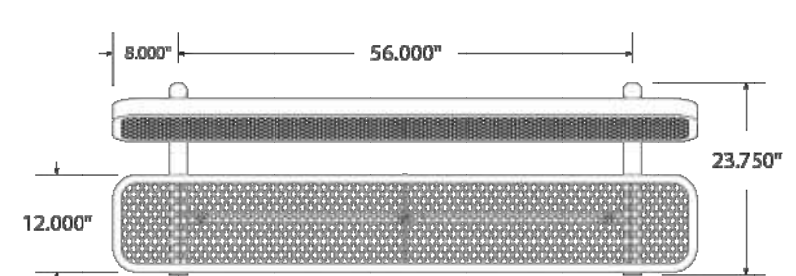


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 Fax: (828) 693-8777 • www.leisurecraftinc.com • sales@leisurecraftinc.com

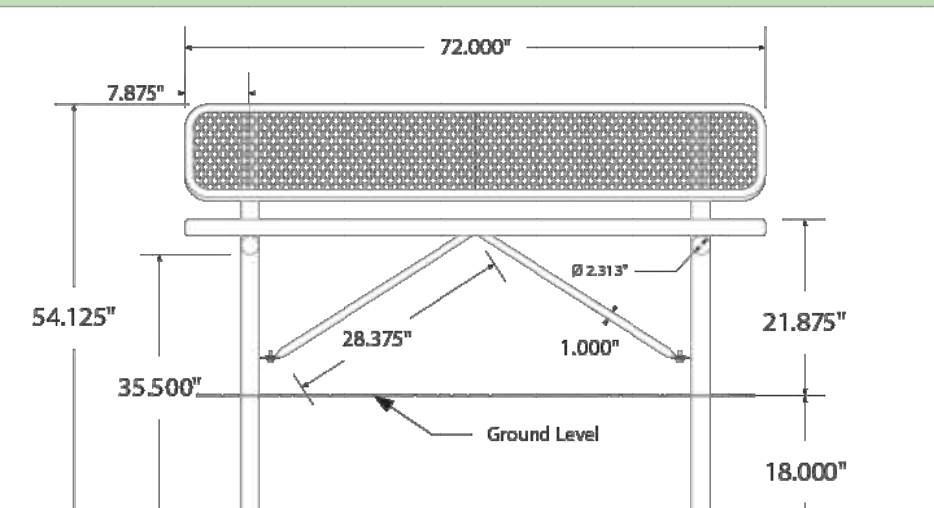
**SPEC SHEET: B6WBIG**  
**6' STANDARD EXPANDED BENCH W BACK IN-GROUND** Wt. 150 lbs



**top view**




**front**




9 D-6.1

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 Fax: (828) 693-8777 • www.leisurecraftinc.com • sales@leisurecraftinc.com

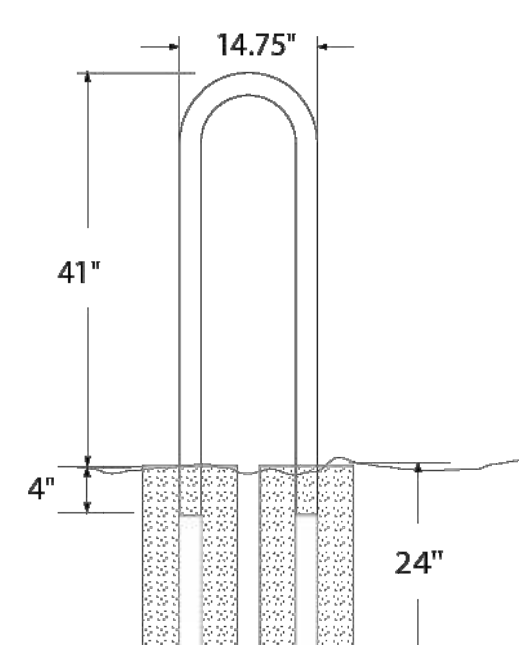
**SPEC SHEET: 2BK3P-IG**  
**14 3/4\" THERMOPLASTIC WAVE RACK 2 3/8\" DIA in-ground** Wt. 87 lbs



**top view**



**front view**

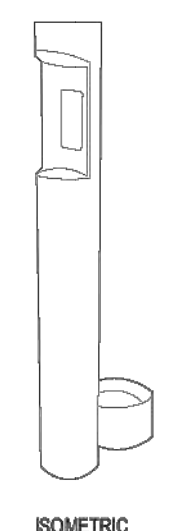
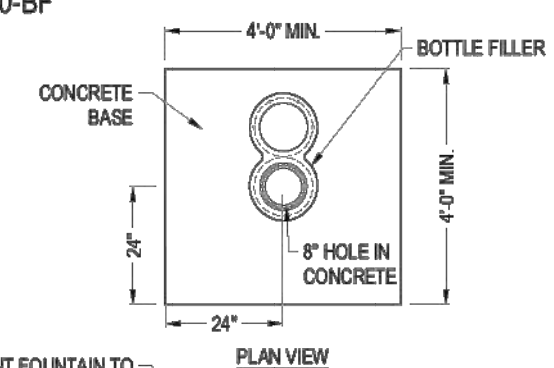
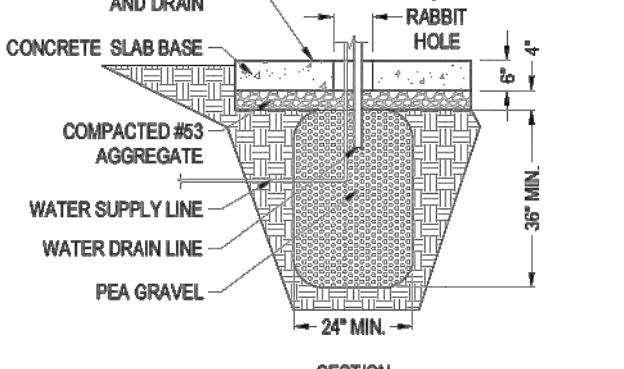


10 D-6.1

**COOL DOG WATER FOUNTAINS**  
 PHONE: (800) 931-1562  
 www.cooldogwaterfountains.com

DL-1000-BF

SELECT DESIRED COLOR:  
 GREEN  
 BLUE  
 RED  
 YELLOW  
 SILVER GREY

**ISOMETRIC**

**PLAN VIEW**

**SECTION**

**SPECIFICATIONS:** MATERIALS: STAINLESS STEEL. FINISH: POWDER COATED.

**MANUFACTURER NOTES:**

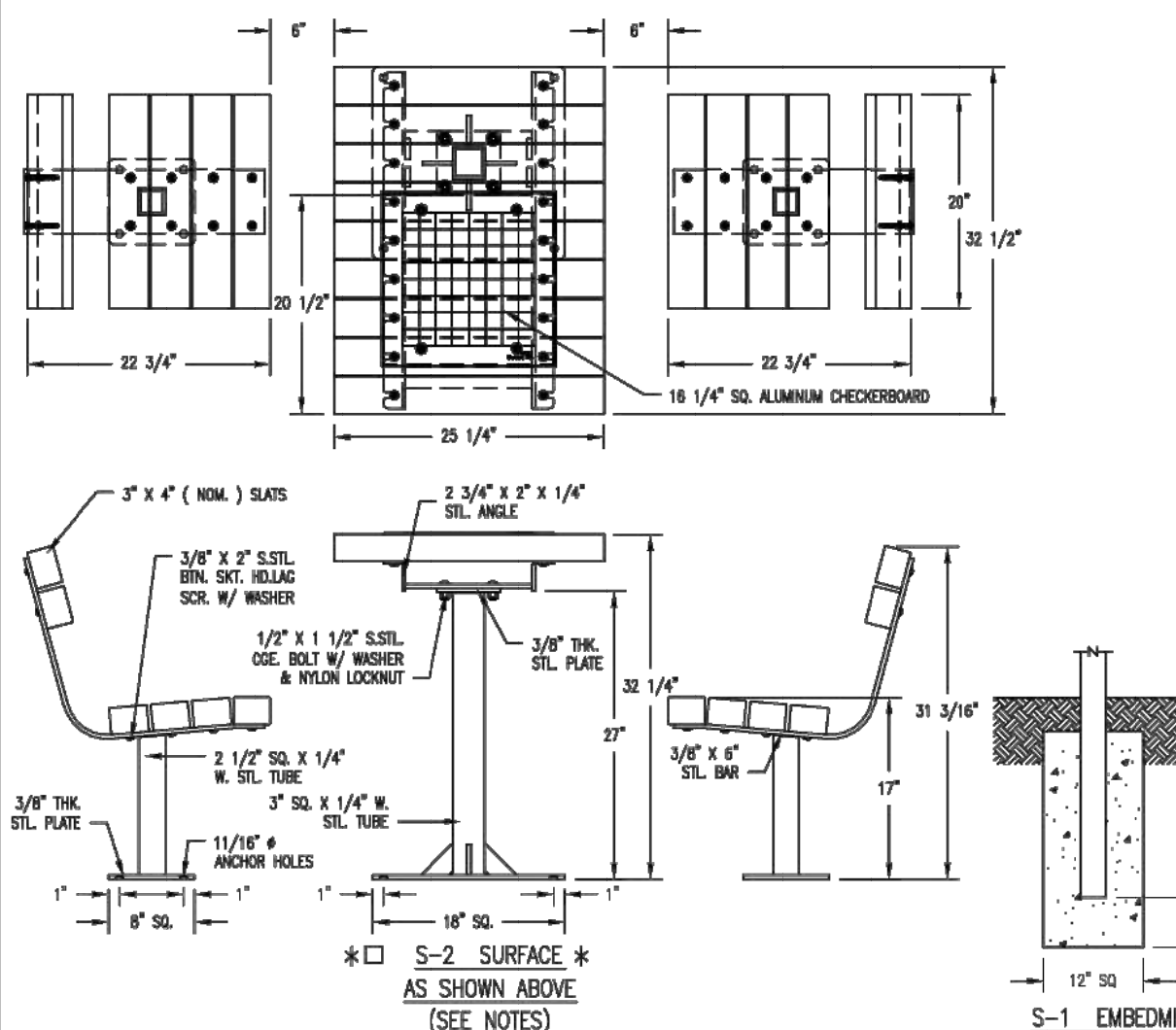
- FULL ADA ACCESSIBILITY WILL REQUIRE ADDITIONAL ADA SURFACING TO ALLOW ACCESS TO THE DRINKING FOUNTAIN PUSH BUTTON AND THE PET FOUNTAIN PUSH BUTTON.
- SLOPE SURFACE AWAY FROM FOUNTAIN BASE AT 2% SLOPE.
- WATER SUPPLY LINE AND DRAIN PIPE SHALL BE ACCORDING TO LOCAL REGULATING CODES AND SHALL BE ACCORDING TO FOUNTAIN MODEL SPECIFICATIONS.
- DRY WELL SIZE SHOULD BE ADJUSTED ACCORDING TO LOCAL REGULATING CODES OR RECOMMENDATIONS, AND/OR MAY REQUIRE MODIFICATION TO ENSURE ADEQUATE INFILTRATION RATE BASED ON LOCAL SOIL AND ENVIRONMENTAL CONDITIONS.

**NOTES:**

- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DO NOT SCALE DRAWING.
- THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
- ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
- CONTRACTOR'S NOTE FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/Info AND ENTER REFERENCE NUMBER 6017-242.

11 COOL DOG WATER FOUNTAINS  
 D-6.1 DL-1000-BF: BOTTLE FILLER WITH SINGLE DOG BASIN

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**SLAT OPTIONS:**

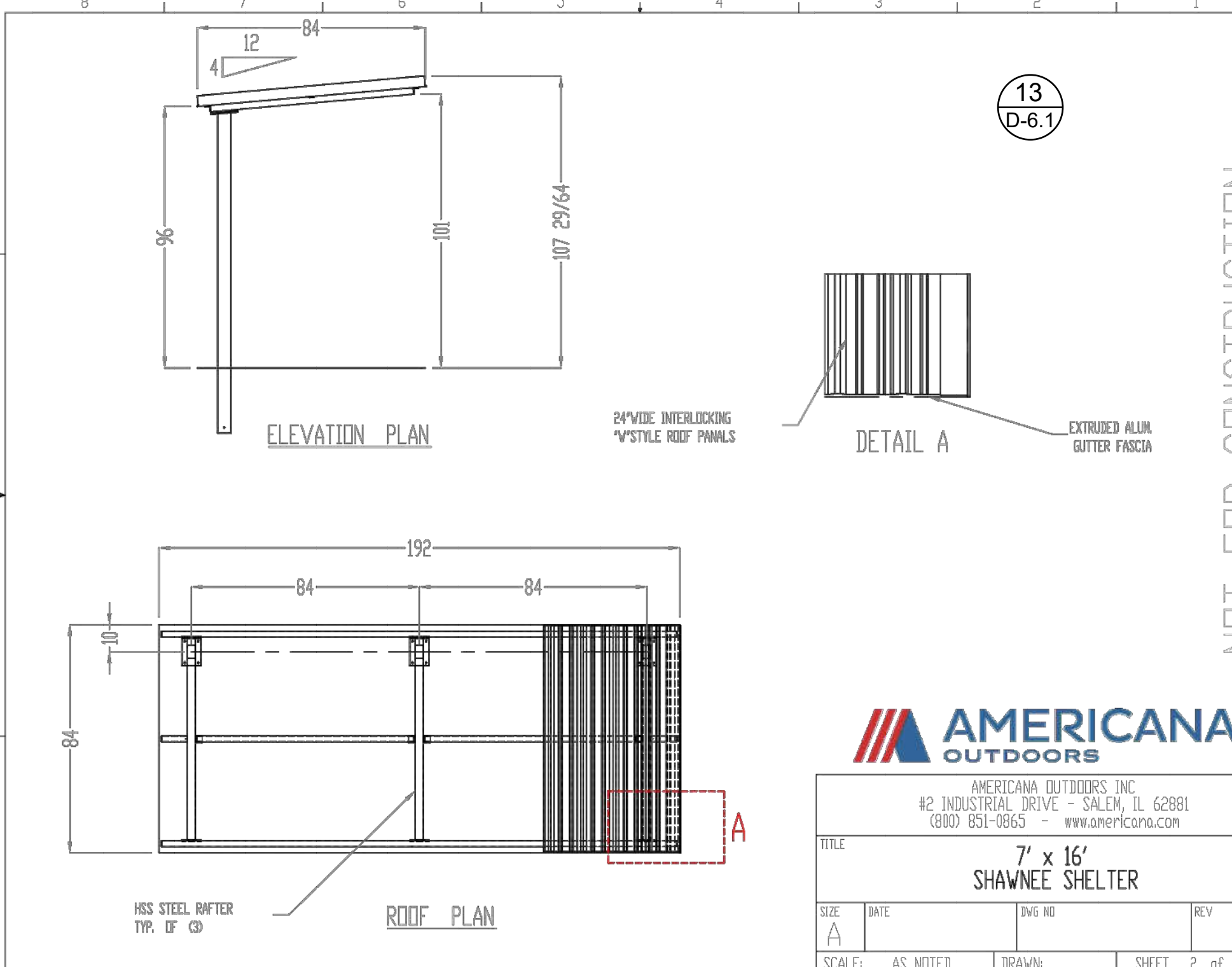
- CEDAR RECYCLED PLASTIC
- GREY RECYCLED PLASTIC
- REDWOOD RECYCLED PLASTIC
- WALNUT RECYCLED PLASTIC
- OTHER

**NOTES:**

- ALL STL MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- 1/2\" x 3/4\" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 AND S-4.
- UPCHARGE APPLIES TO SUPPORT OPTION—CONSULT LOCAL REPRESENTATIVE.

12 D-6.1

**DuMor, inc.** GAME TABLE DATE DRAWN: 10/29/19 REV: A DRAWING NUMBER: 78-32ADAPL SHEET: 1 OF 2



**ELEVATION PLAN**

**ROOF PLAN**

**DETAIL A**

24\" WIDE INTERLOCKING \"V\" STYLE ROOF PANELS

EXTRUDED ALUM. GUTTER FASCIA

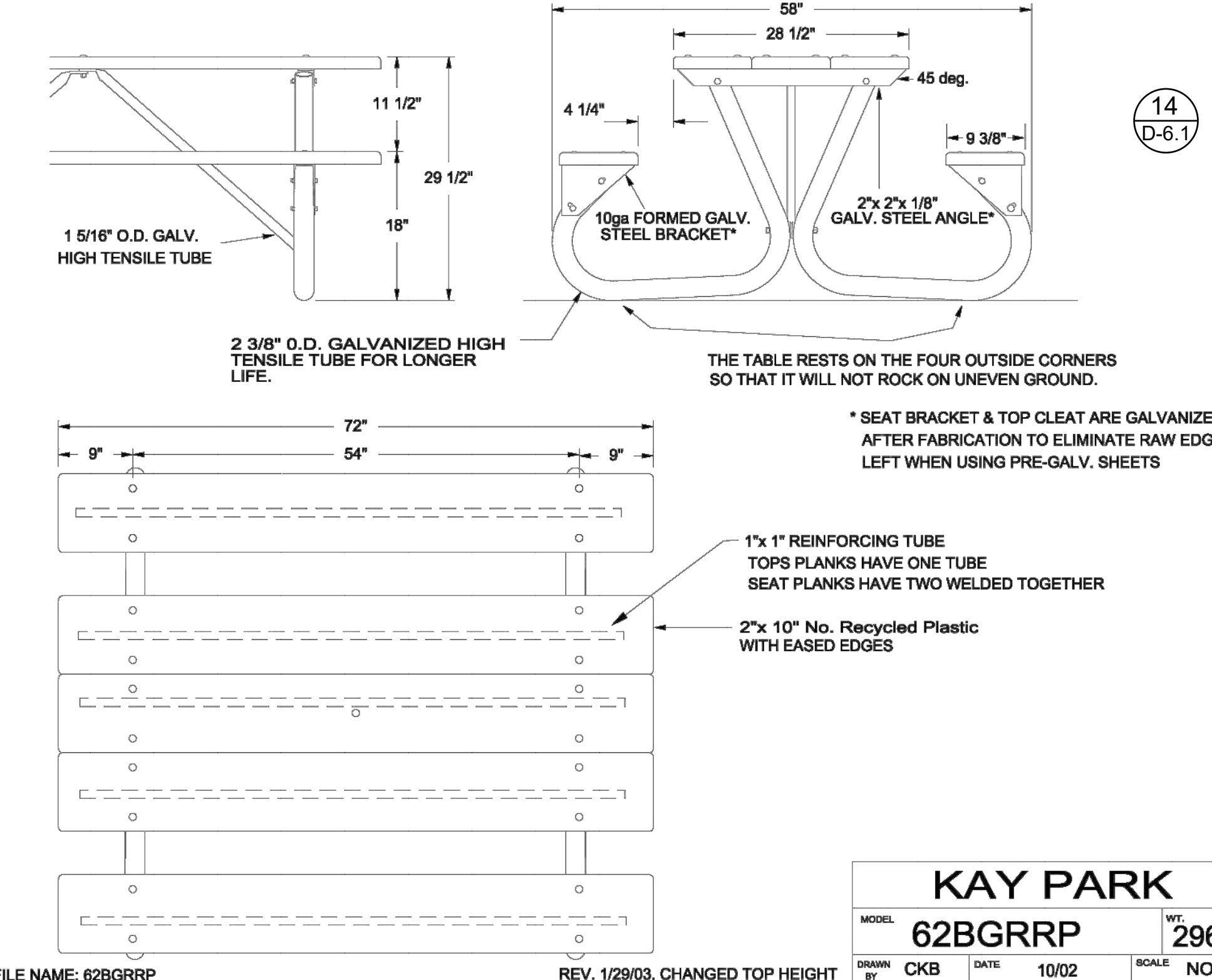
HSS STEEL RIFTER TYP. OF CB

**AMERICANA OUTDOORS**  
 AMERICANA OUTDOORS INC.  
 #2 INDUSTRIAL DRIVE - SALEM, IL 62881  
 (800) 831-0865 - www.americana.com

**TITLE**  
 7' x 16'  
 SHAWNEE SHELTER

SCALE: AS NOTED DRAWN: SHEET 2 OF 2

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15\" O.D. GALV. HIGH TENSILE TUBE

2 3/8\" O.D. GALVANIZED HIGH TENSILE TUBE FOR LONGER LIFE.

10ga FORMED GALV. STEEL BRACKET

2\" x 2\" x 1/8\" GALV. STEEL ANGLE

THE TABLE RESTS ON THE FOUR OUTSIDE CORNERS SO THAT IT WILL NOT ROCK ON UNEVEN GROUND.

\* SEAT BRACKET & TOP CLEAT ARE GALVANIZED AFTER FABRICATION TO ELIMINATE RAW EDGES LEFT WHEN USING PRE-GALV. SHEETS

1\" x 1\" REINFORCING TUBE  
 TOPS PLANKS HAVE ONE TUBE  
 SEAT PLANKS HAVE TWO WELDED TOGETHER

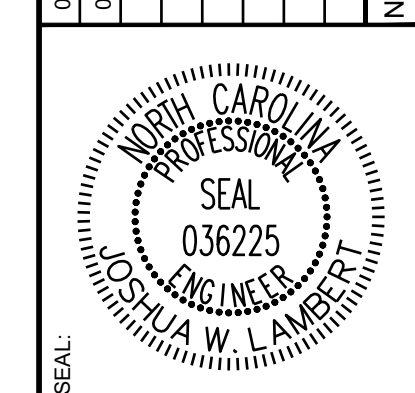
2\" x 10\" No. Recycled Plastic WITH EASED EDGES

**KAY PARK**  
 MODEL: 62BGRRP Wt. 296 lbs.  
 DRAWN BY: CKB DATE: 10/02 SCALE: NONE

FILE NAME: 62BGRRP REV. 1/29/03, CHANGED TOP HEIGHT

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NO.	REVISIONS	DATE	BY
01			
02			



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

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

DRAWING SHEET  
**D-6.1**

