

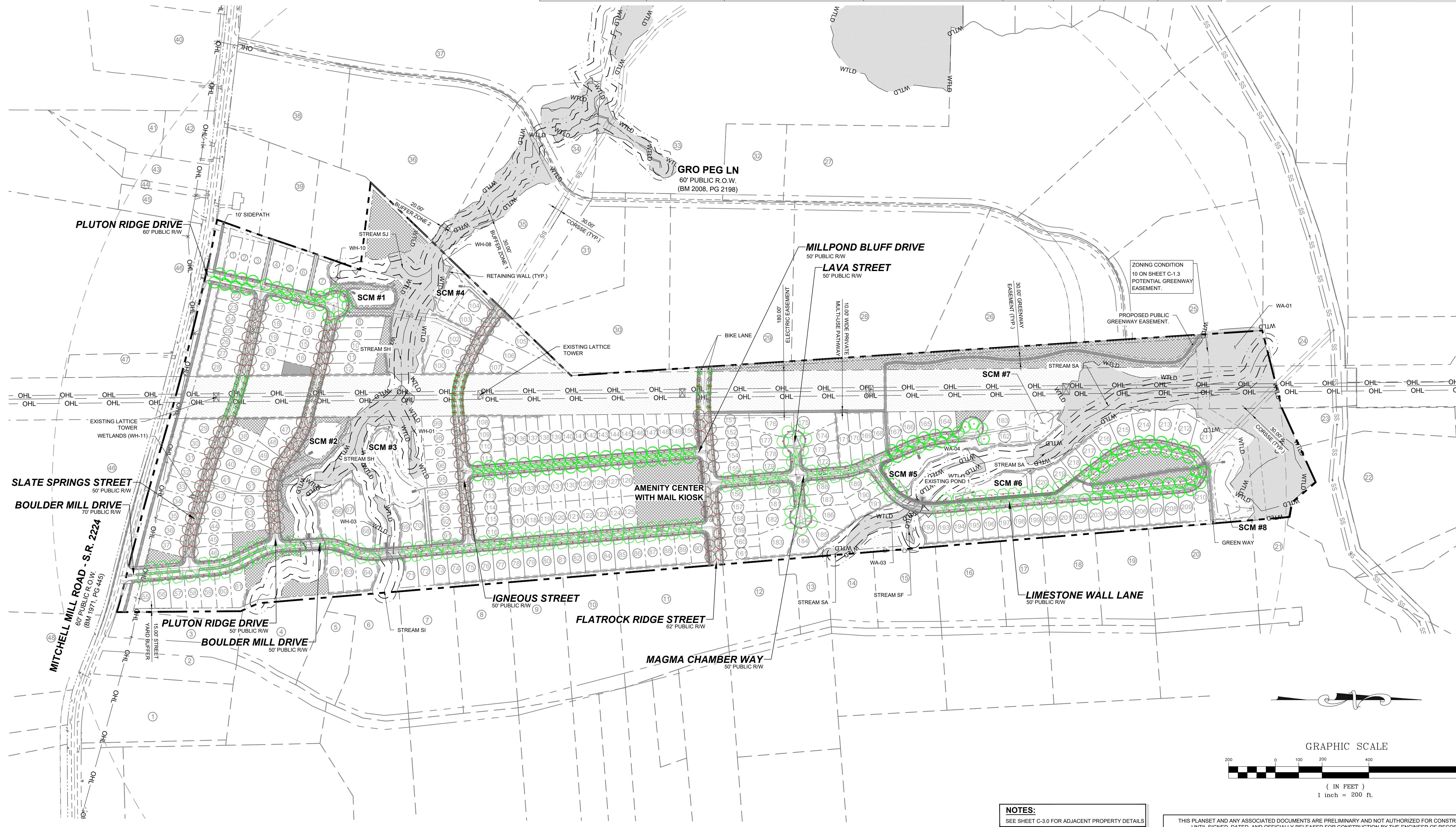
# V1 - CID-24-07 - Plan Set Part 2 of 2

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 NUTTALLI 'QNFTA'	HIGHPOINTO NUTTALL OAK	12' HT.	B&B	2.5"	
<b>SUBTOTAL:</b>		<b>466</b>						

**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



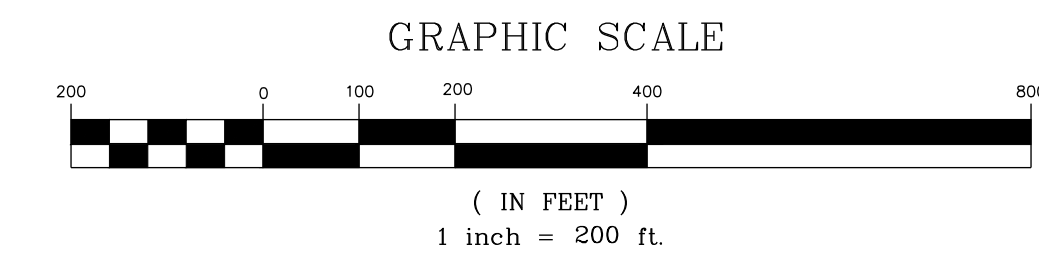
NO.	REVISIONS	DATE	BY

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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		
ZONING	RM-CZ	TABEL 6.2.2.1 F.2 PERIMETER BUFFERTYPE 2
TOTAL LINEAR FOOTAGE (LF)	7116	
NUMBER OF PLANTS	REQUIRED	PROVIDED
CANOPY TREES	213.4	213
UNDERSTORY	71.1	71
SHRUBS	3558	3558
30 FT THOROUGHFARE BUFFER		
ZONING	RM-CZ	TABEL 6.2.2.2 STREET TREES
TOTAL LINEAR FOOTAGE (LF)	1580.9	
POWERLINE SECTION	187.1	
EXCLUDING POWER LINE	1393.8	
NUMBER OF PLANTS UNDER POWEREASEMENT		
UNDERSTORY TREES	9.4	10
NUMBER OF CANOPY TREES IN STREET BUFFER		
CANOPY TREES	34.8	35

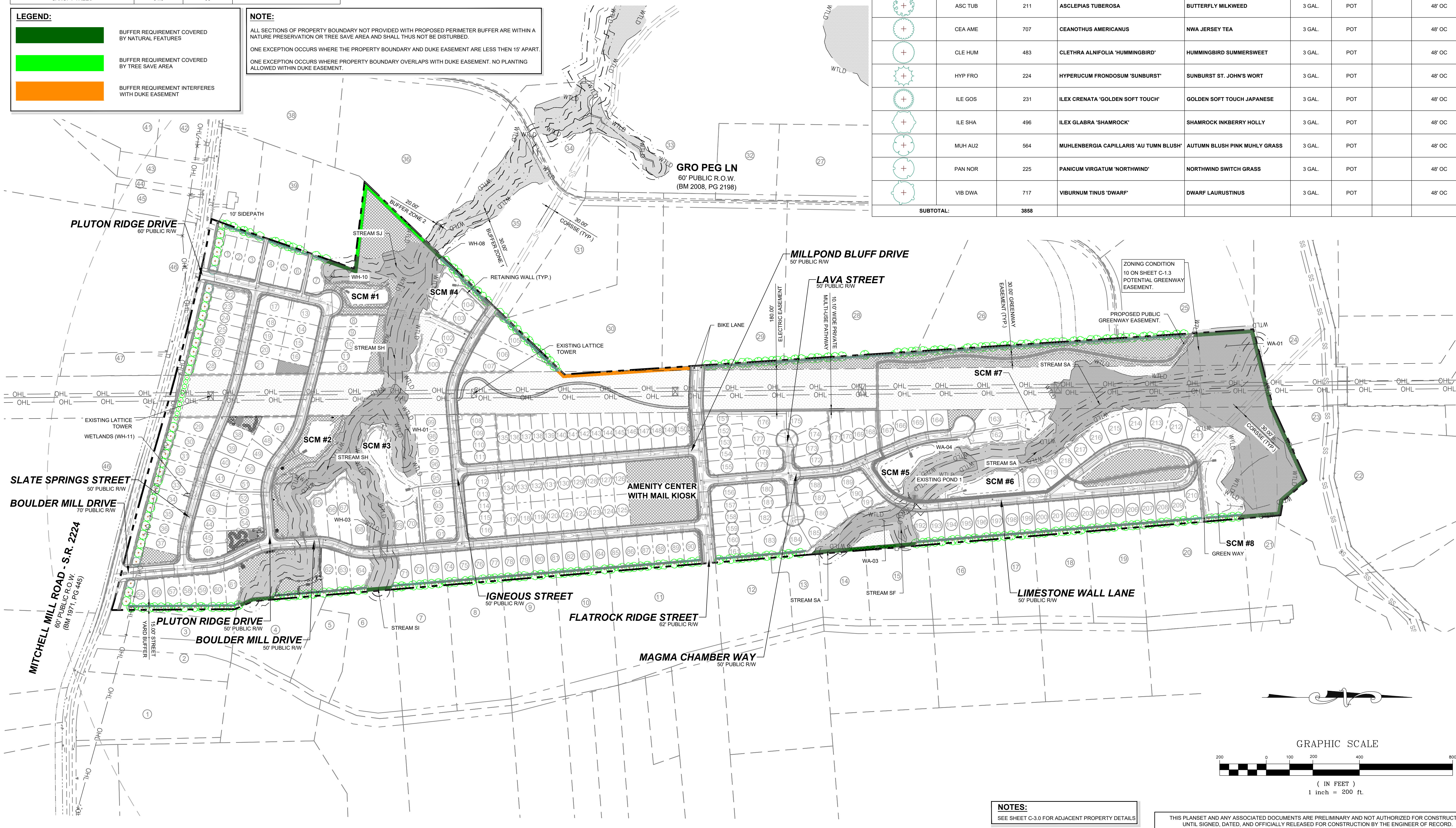
30' THOROUGH HF RE BUFFER								
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING
	GIN AUT	9	GINKGO BLOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	10' HT.	B&B		
	MAG GRA	4	MAGNOLIA GRANDIFLORA	SOUTHRN MAGNOLIA	12' HT.	B&B	3.0"	
	QUE MAC	22	QUERCUS MACROCARPA	BURR OAK	12' HT.	B&B	2.5"	
SUBTOTAL:		35						
UNDERSTORY BUFFER								
	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						

PERIMETER BUFFER TYPE 2								
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CONTAINER	CALIPER	MIN. SPACING
	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 PILLARO PIN OAK	12' HT.	POT	2.5"	
SUBTOTAL:		213						
UNDERSTORY BUFFER								
	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						
BUFFER SHRUBS								
	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						

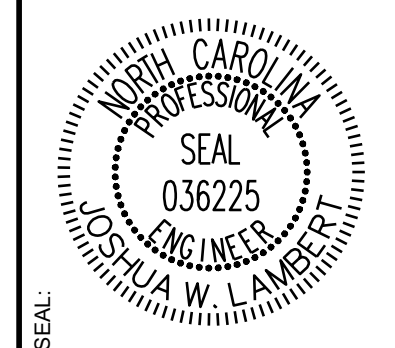
**LEGEND:**

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

**NOTE:**  
 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 THAN 15' APART.  
 ONE EXCEPTION OCCURS WHERE PROPERTY BOUNDARY OVERLAPS WITH DUKE EASEMENT. NO PLANTING ALLOWED WITHIN DUKE EASEMENT.



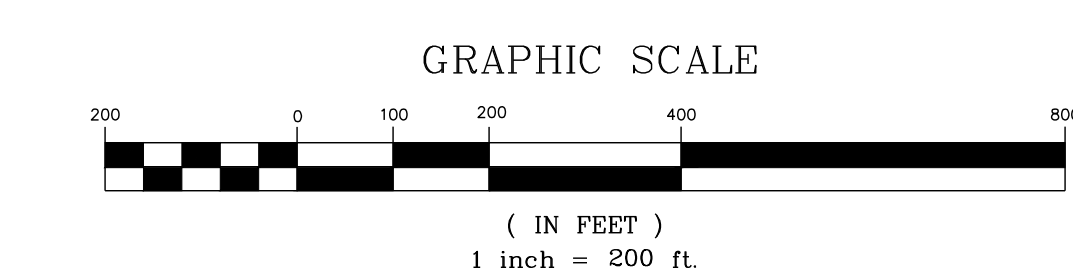
NO.	REVISIONS	DATE	BY



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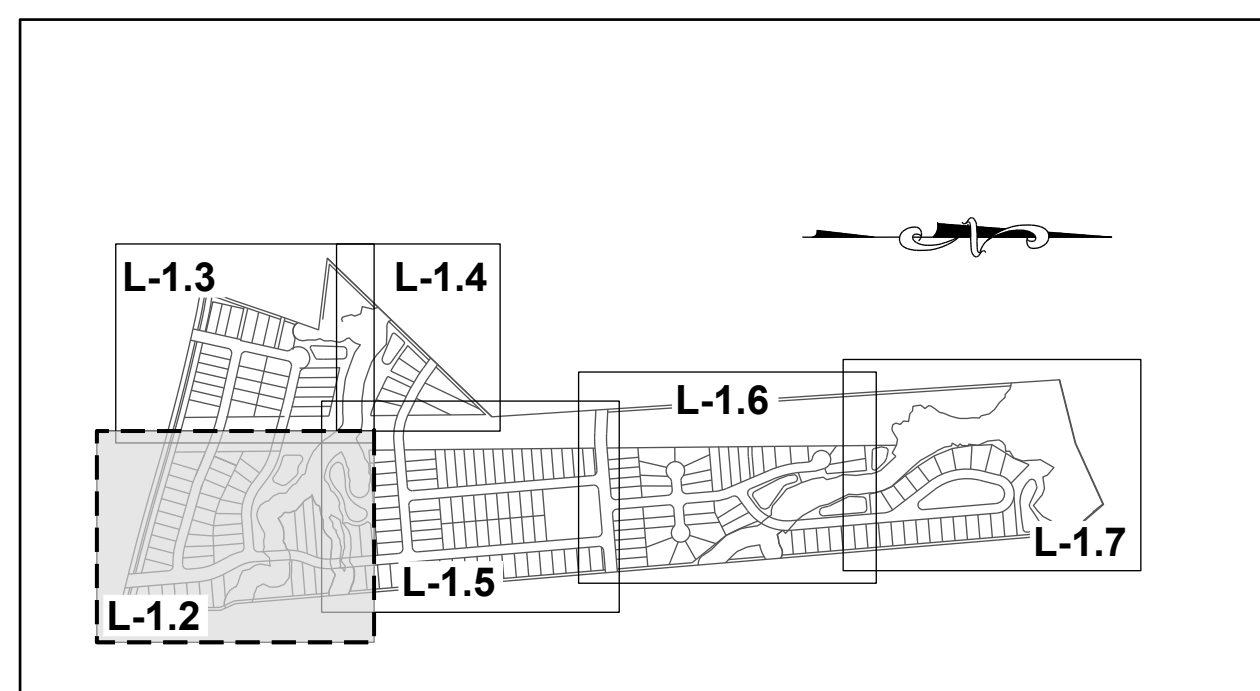
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HILLS AT HARRIS CREEK  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
 CONSTRUCTION PLANS  
**PERIMETER BUFFER PLAN**



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

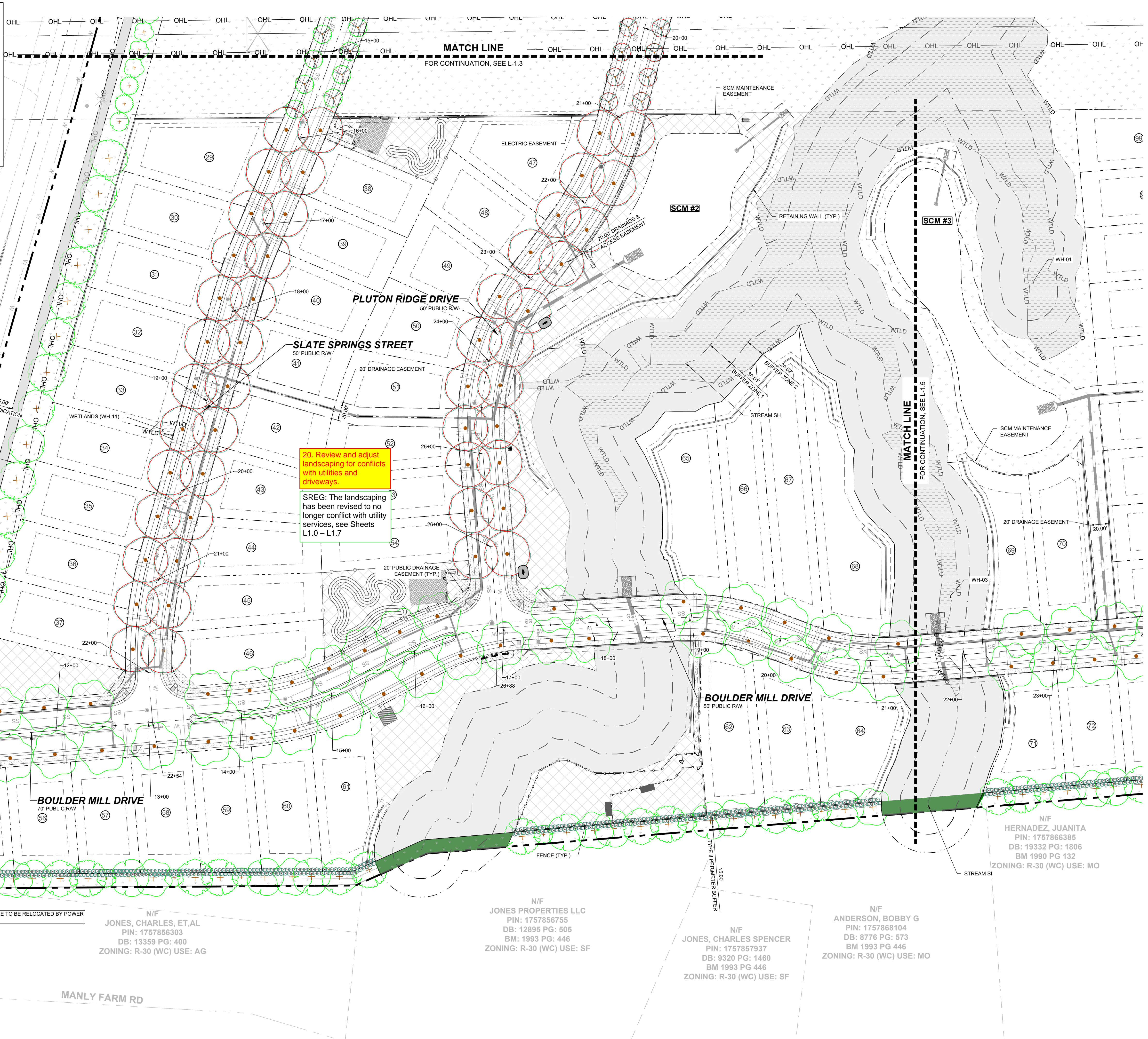
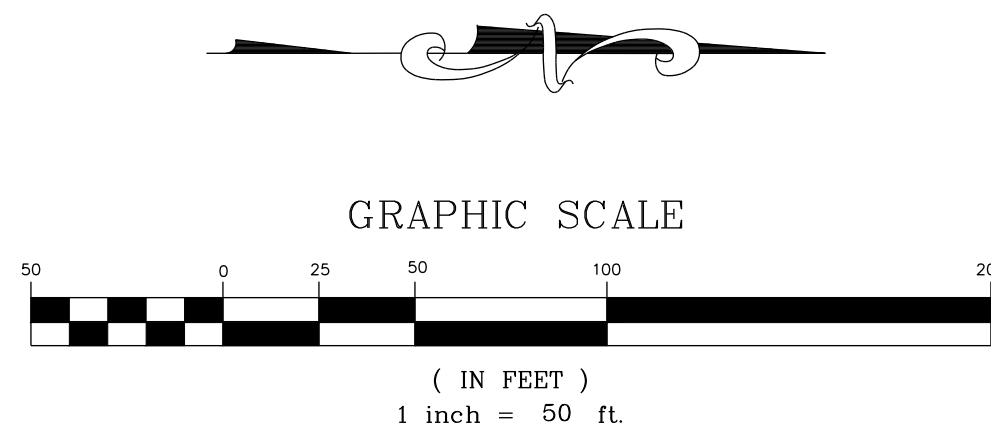
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**SITE KEY PLAN**

**LEGEND:**

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



20. Review and adjust landscaping for conflicts with utilities and driveways.  
SREG: The landscaping has been revised to no longer conflict with utility services, see Sheets L1.0 - L1.7

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)

BOULDER MILL DRIVE  
70' PUBLIC ROW

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

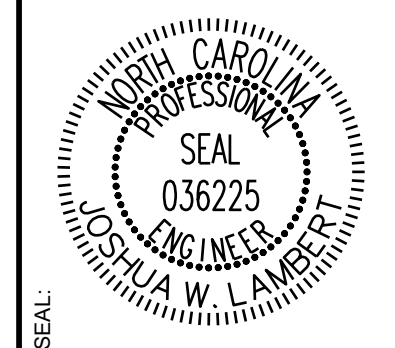
N/F JONES PROPERTIES LLC  
PIN: 1757856755  
DB: 12895 PG: 505  
BM: 1993 PG: 446  
ZONING: R-30 (WC) USE: SF

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



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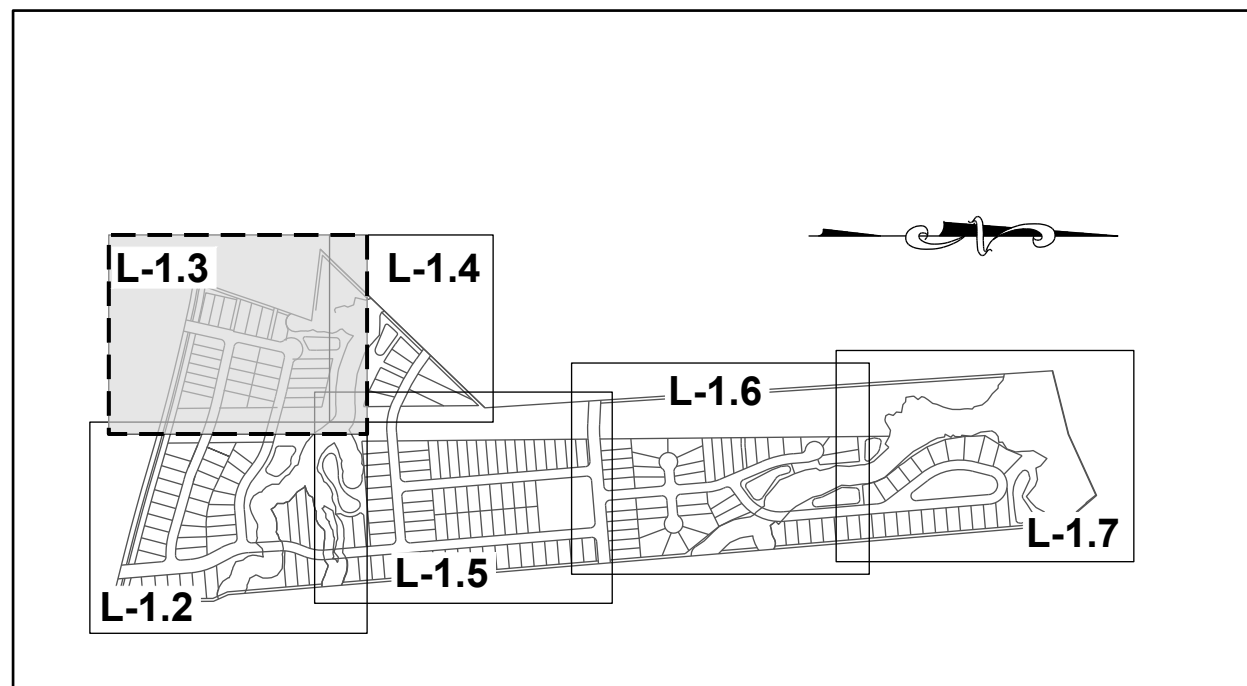
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET  
**L-1.2**

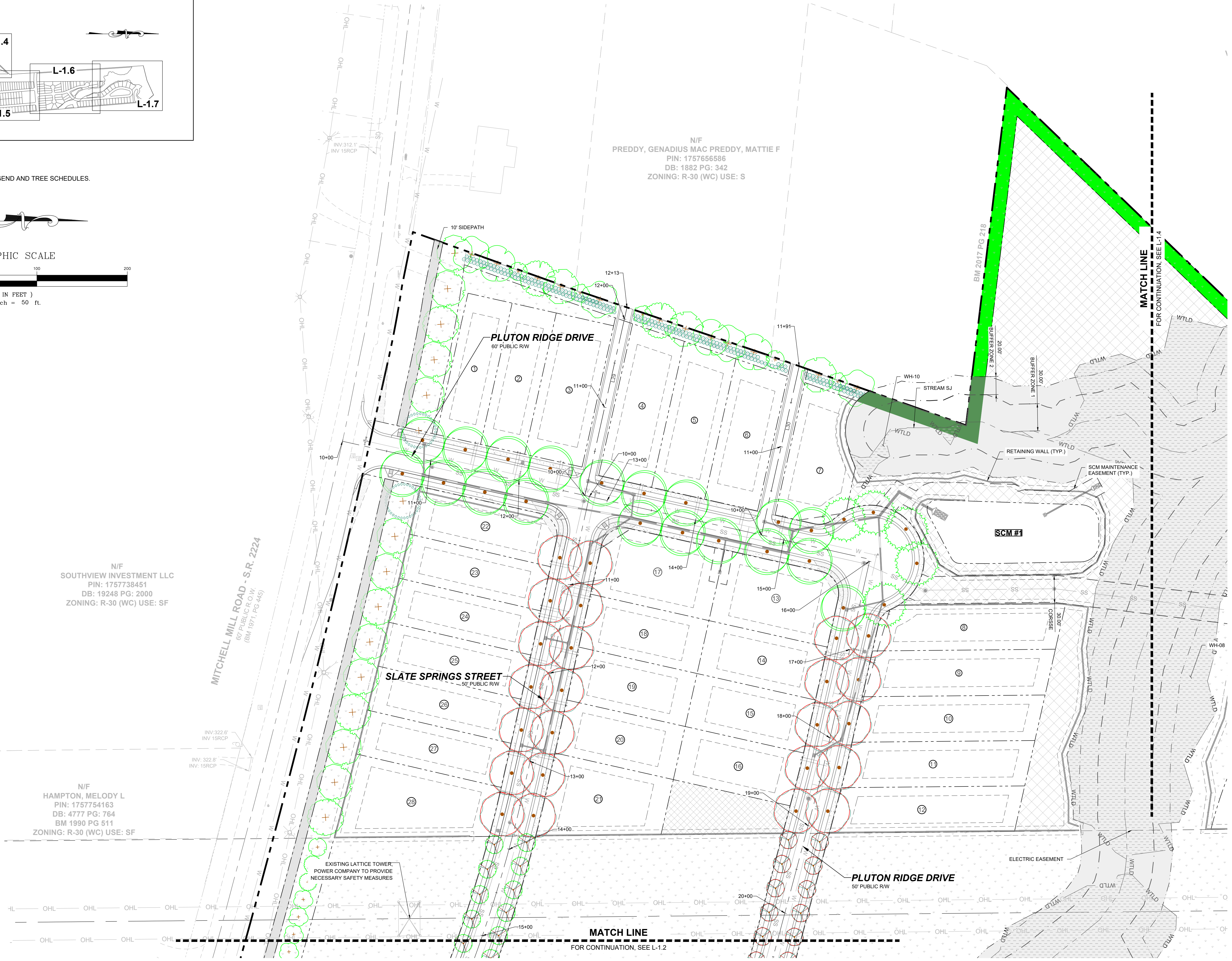
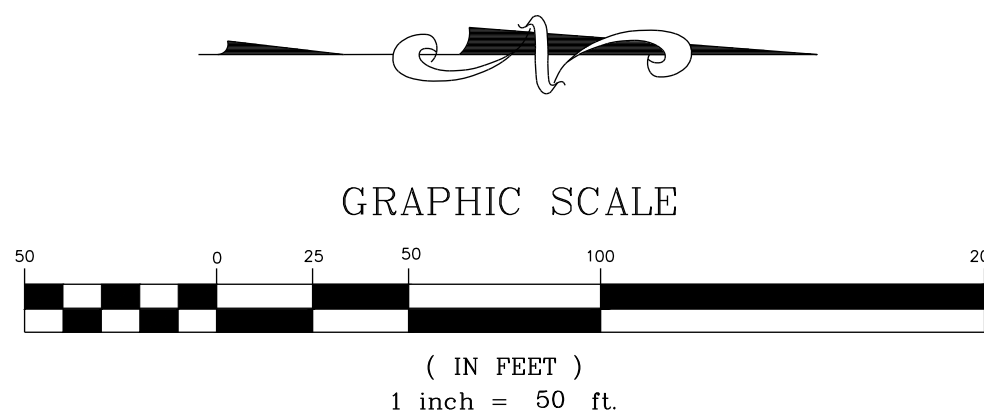
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**SITE KEY PLAN**

**LEGEND:**

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

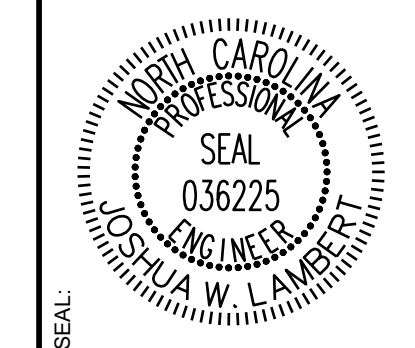


N/F  
SOUTHVIEW INVESTMENT LLC  
PIN: 1757738451  
DB: 19248 PG: 2000  
ZONING: R-30 (WC) USE: SF

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

NO.	REVISIONS	DATE	BY



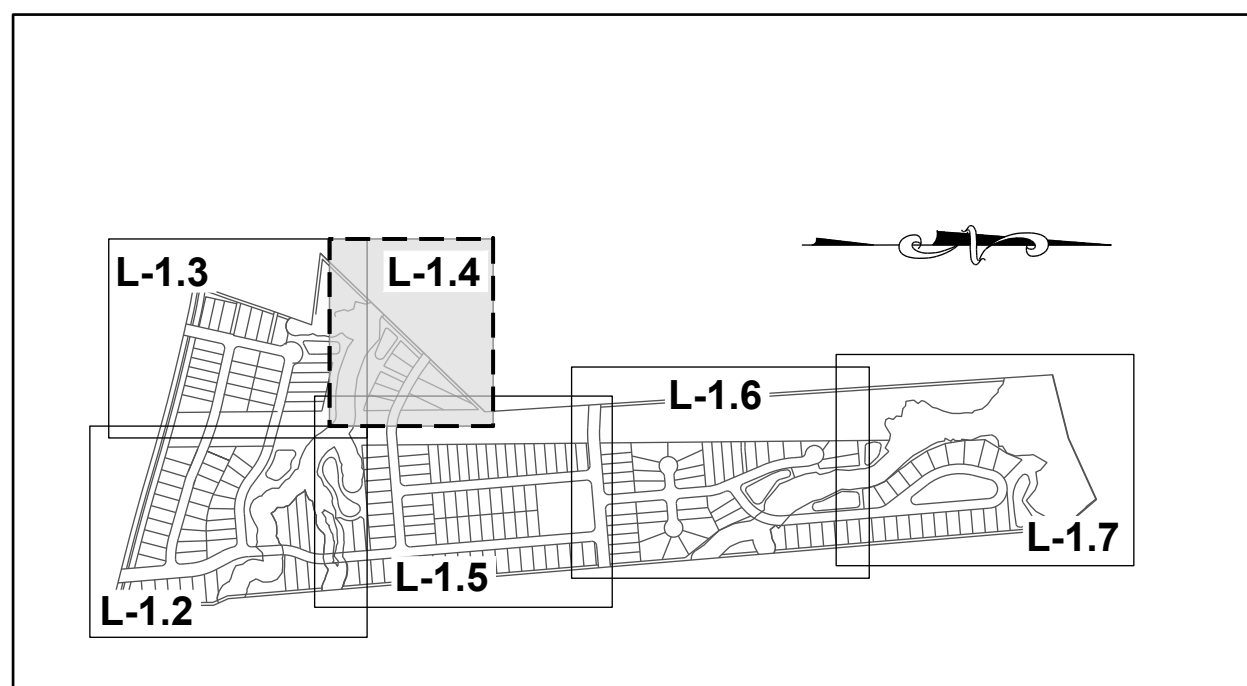
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HILLS AT HARRIS CREEK			JWL	JWL	JWL

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

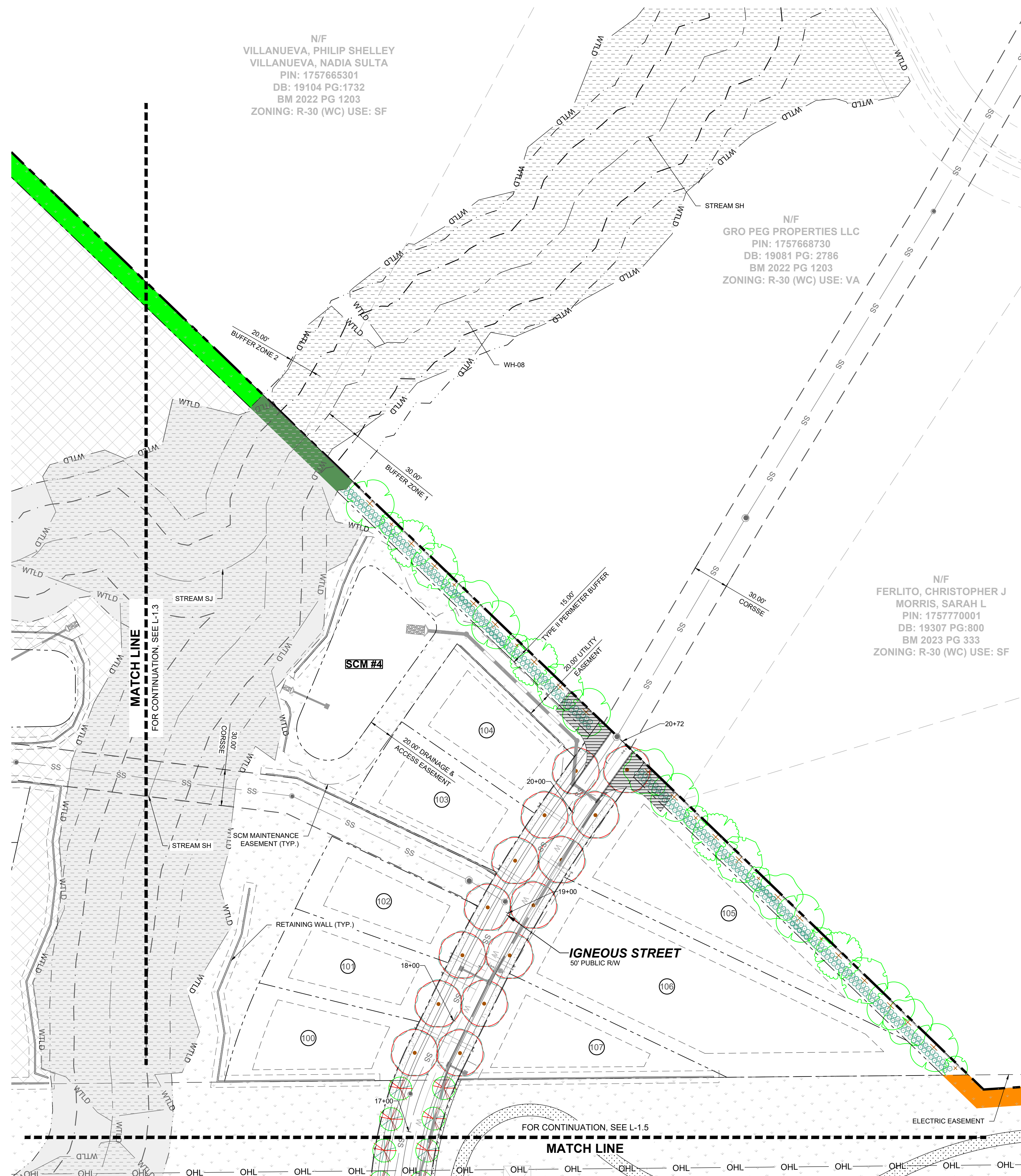
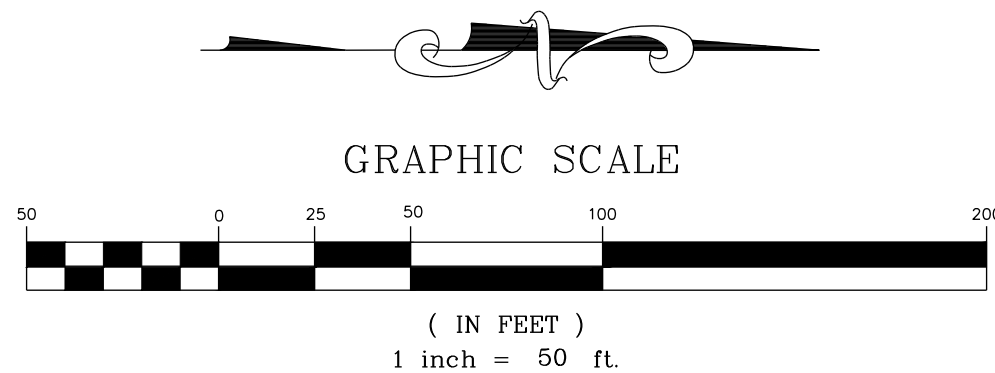
DRAWING SHEET  
**L-1.3**

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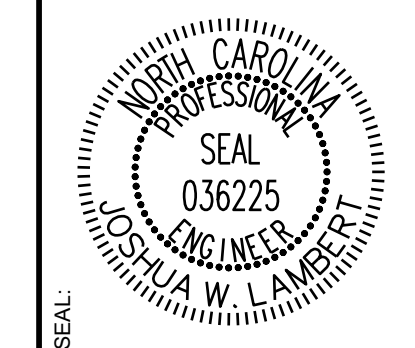


**LEGEND:**

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



NO.	REVISIONS	DATE	BY



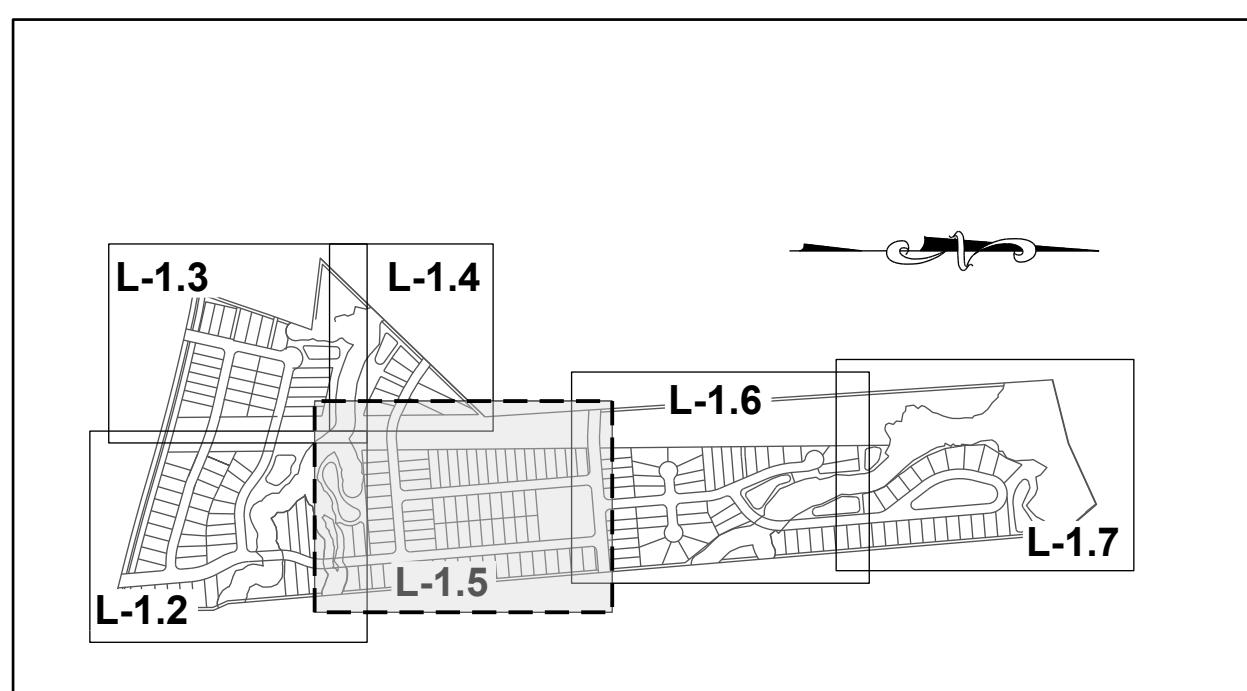
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			JWL	SRG	JWL

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

DRAWING SHEET  
L-1.4



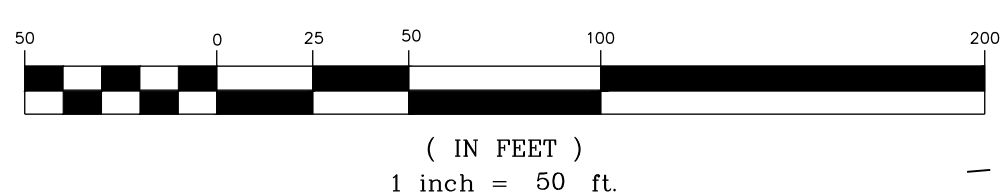
SITE KEY PLAN

LEGEND:

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



GRAPHIC SCALE



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

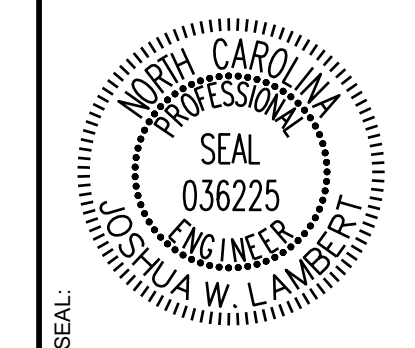
N/F  
GOLD, SHARIE  
PIN: 1757866660  
DB: PG:  
BM 1990 PG 00623  
ZONING: R-30 (WC) USE: SF

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



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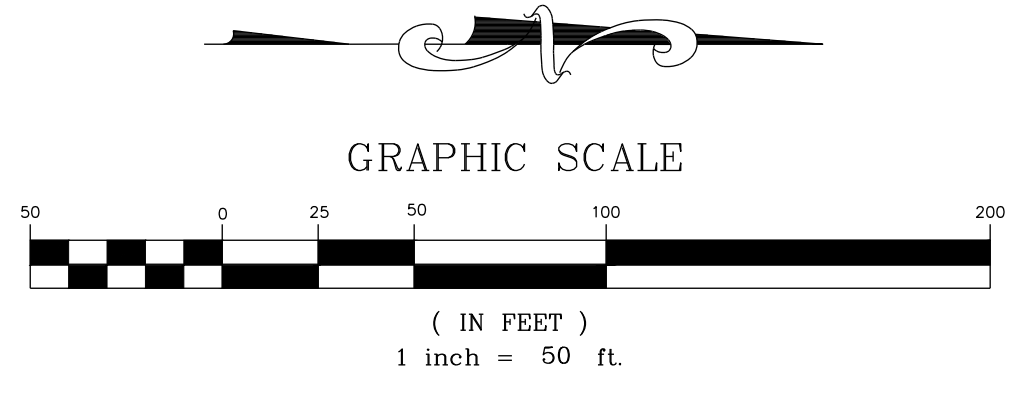
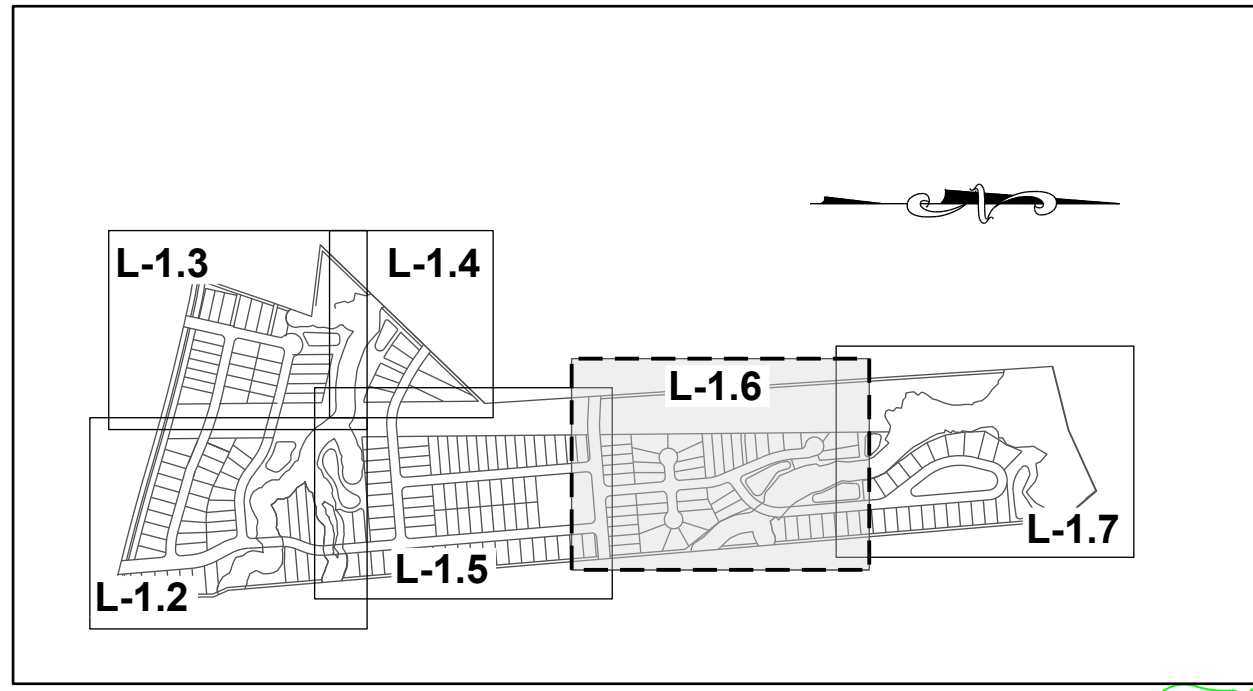
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PARTIAL LANDSCAPE PLAN IV

DRAWING SHEET  
**L-1.5**

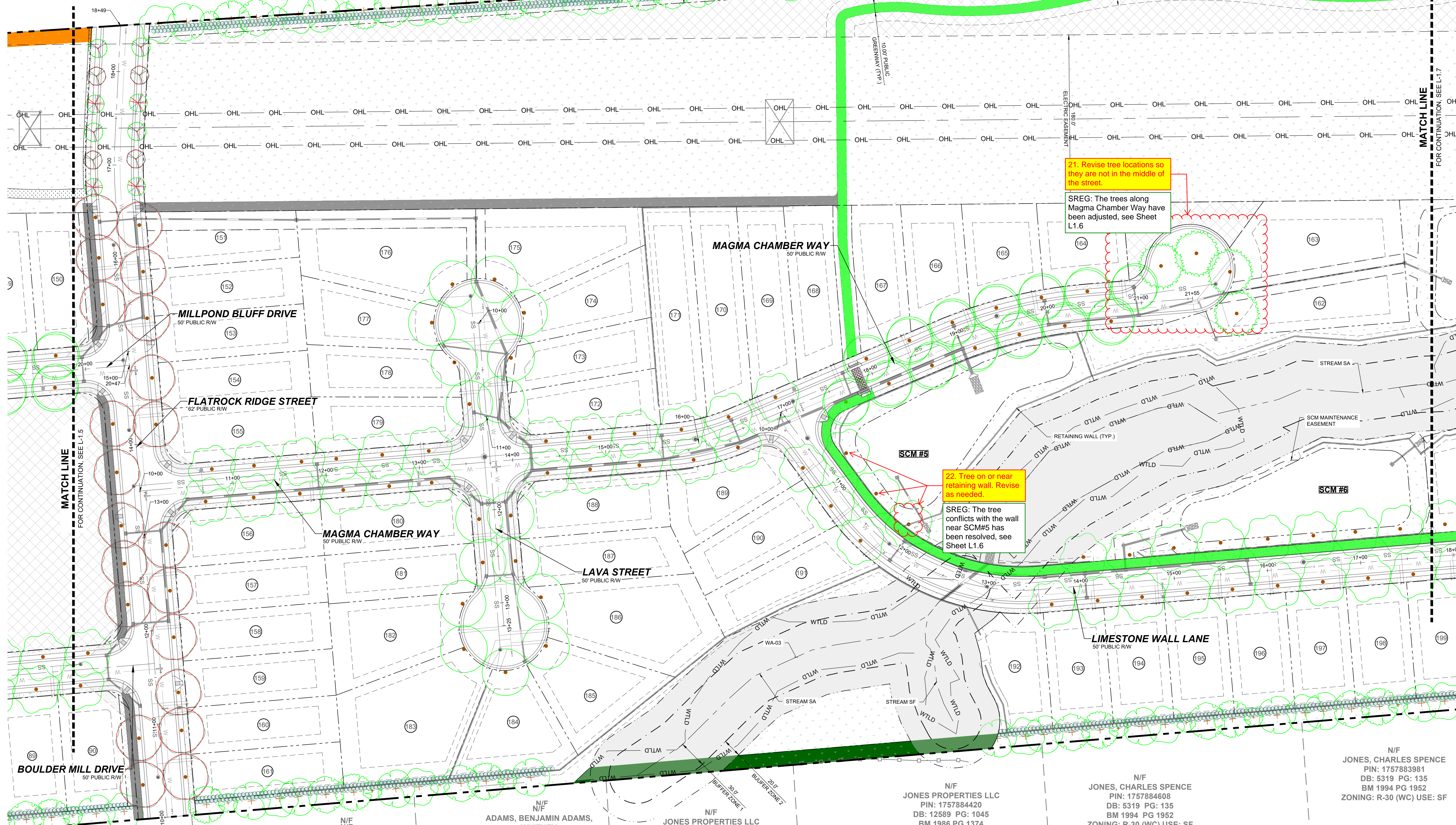
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**SITE KEY PLAN  
LEGEND:**  
SEE SHEET L-1.0 & L-1.1 FOR LEGEND AND TREE SCHEDULES.

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



**21.** Revise tree locations so they are not in the middle of the street.  
SREG: The trees along Magma Chamber Way have been adjusted, see Sheet L1.6

**22.** Tree on or near retaining wall. Revise as needed.  
SREG: The tree conflicts with the wall near SCM#5 has been resolved, see Sheet L1.6

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

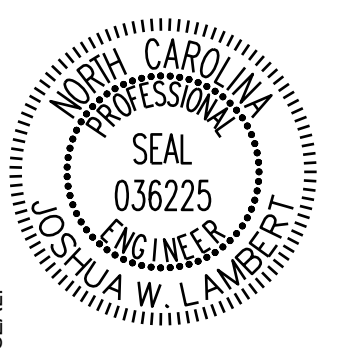
N/F  
ADAMS, BENJAMIN ADAMS,  
WHITNEY  
PIN: 1757874938  
DB: 18930 PG: 1511  
BM 2006 PG 2397  
ZONING: R-30 (WC) USE: SF

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

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

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

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



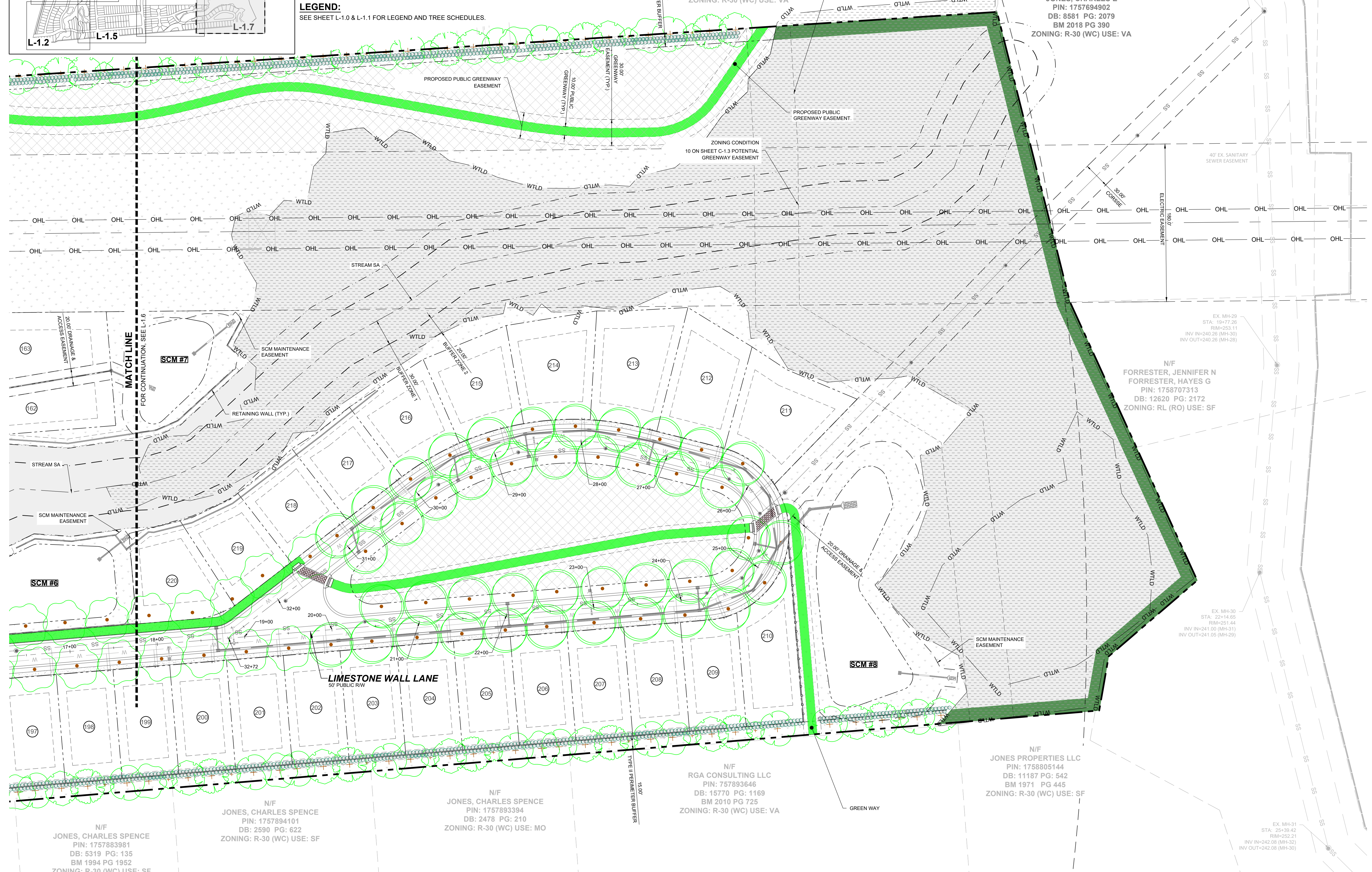
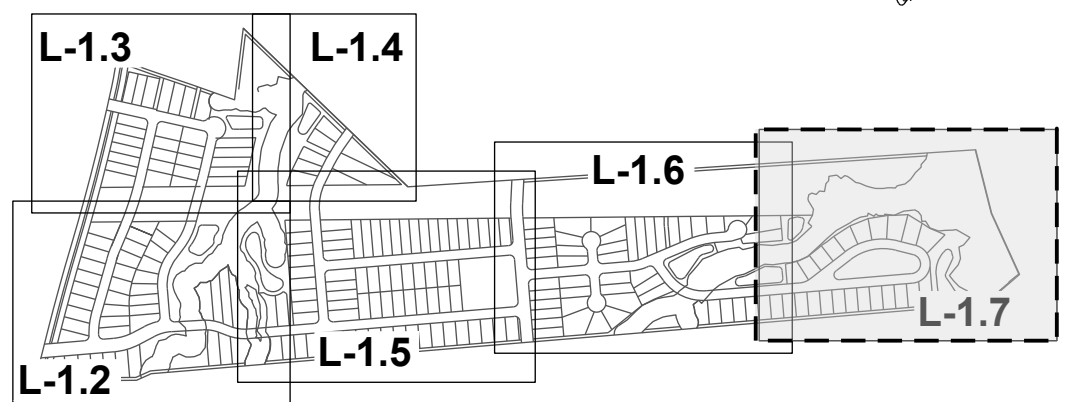
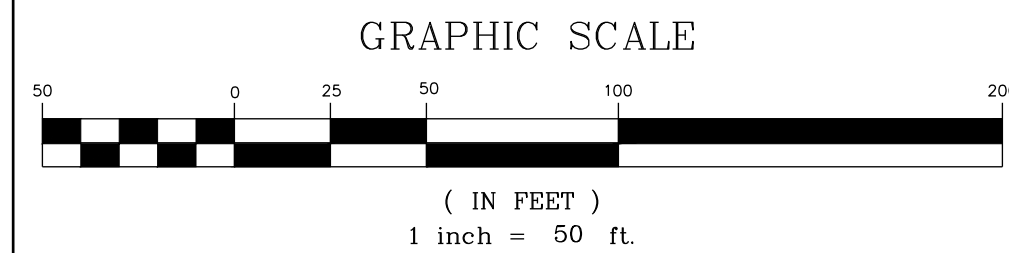
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**PARTIAL LANDSCAPE PLAN V**

DRAWING SHEET  
**L-1.6**

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 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

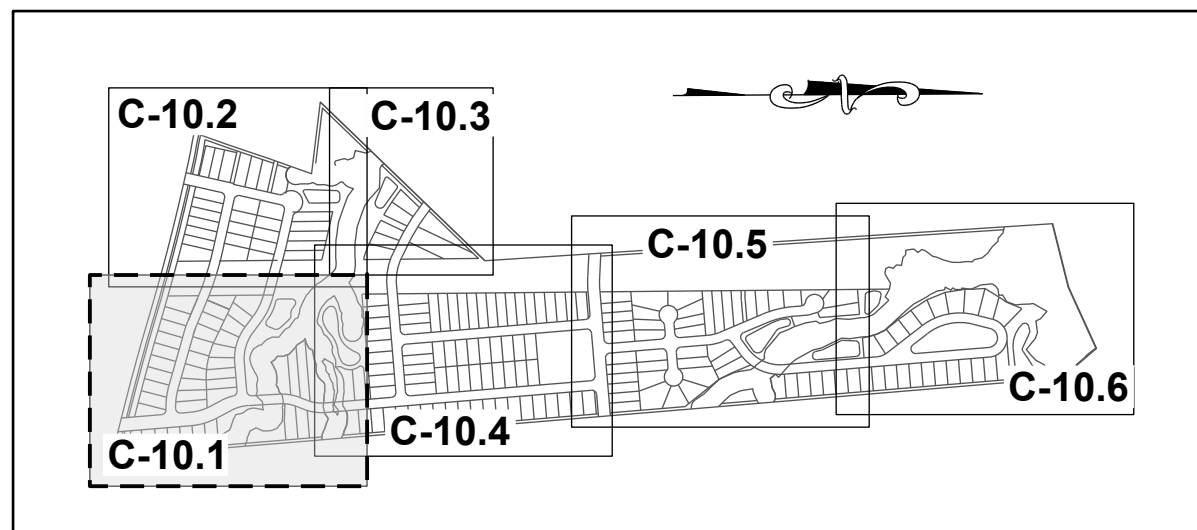
HILLS AT HARRIS CREEK  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
 CONSTRUCTION PLANS  
 PARTIAL LANDSCAPE PLAN VI

DRAWING SHEET  
**L-1.7**

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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

MITCHELL MILL ROAD - S.R. 2224  
60' 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

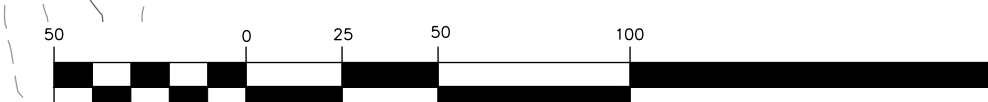
N/F  
JONES PROPERTIES LLC  
PIN: 1757856755  
DB: 12895 PG: 505  
BM: 1993 PG: 446  
ZONING: R-30 (WC) USE: SF

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

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

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

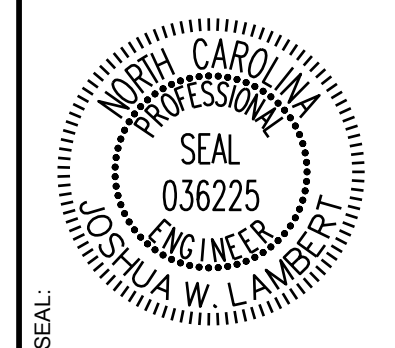
GRAPHIC SCALE



( IN FEET )  
1 inch = 50 ft

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NO.	REVISIONS	DATE	BY



**STRONGROCK**  
ENGINEERING GROUP

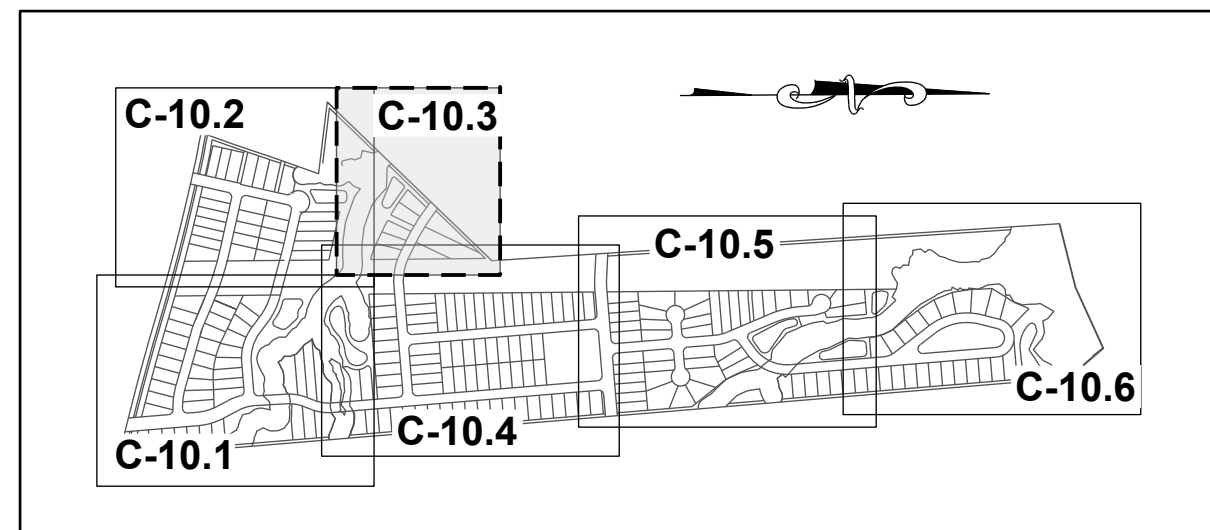
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305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

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

DRAWING SHEET  
C-10.1

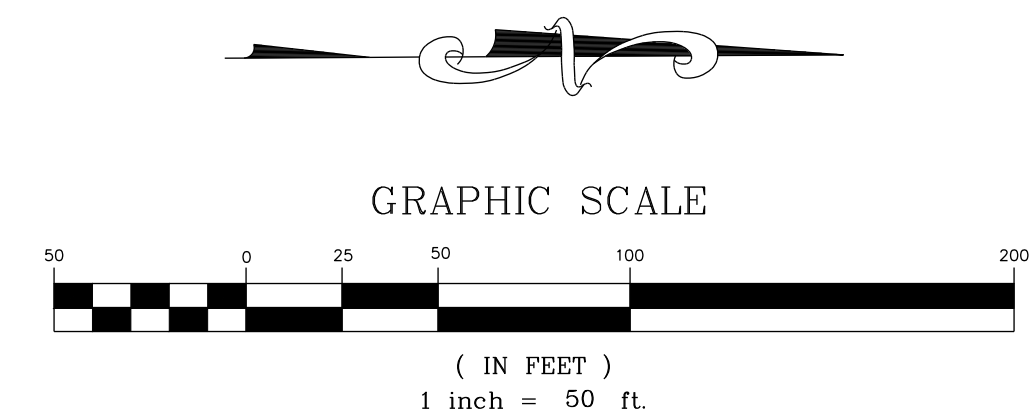
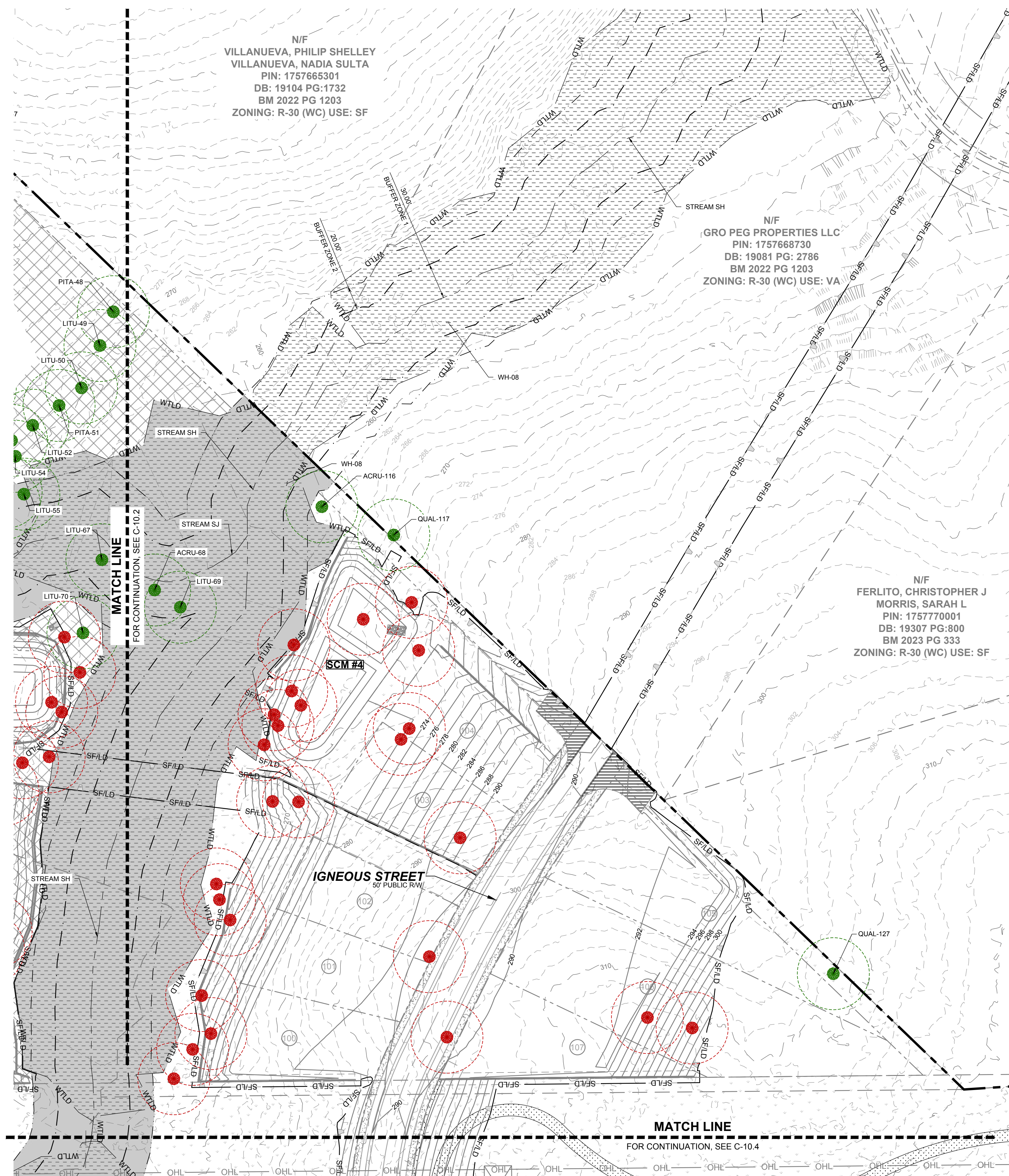




**SITE KEY PLAN**

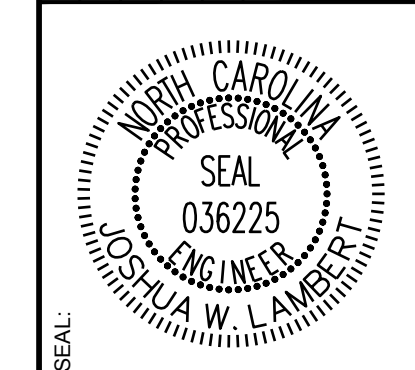
**LEGEND:**

	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



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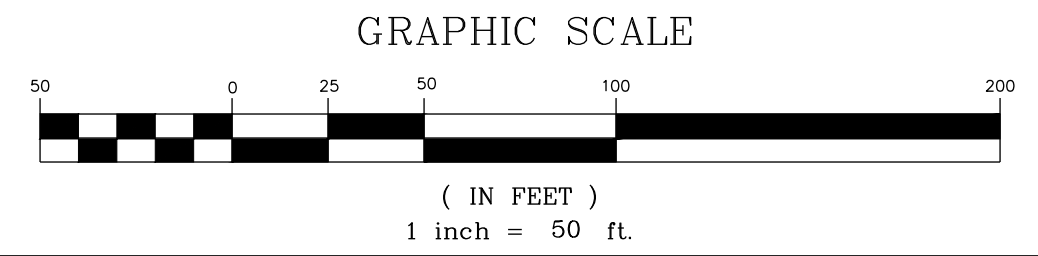
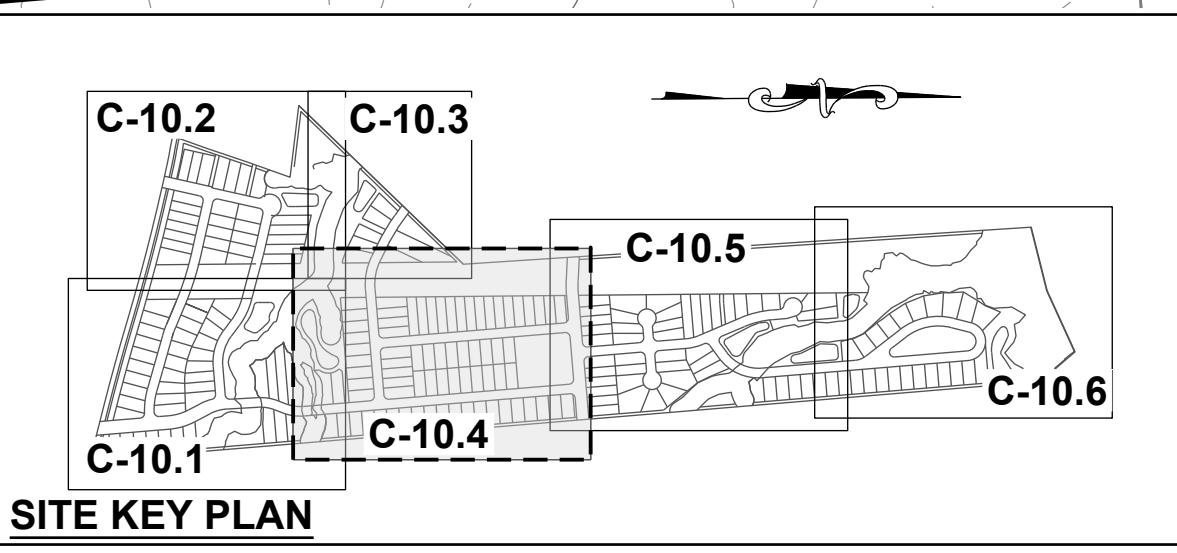
**HILLS AT HARRIS CREEK**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**PRESERVATION PLAN III**

DRAWING SHEET  
**C-10.3**



**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
- SFLD — SILT FENCE/LIMIT OF DISTURBANCE
- TPF — TREE PROTECTION FENCE



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

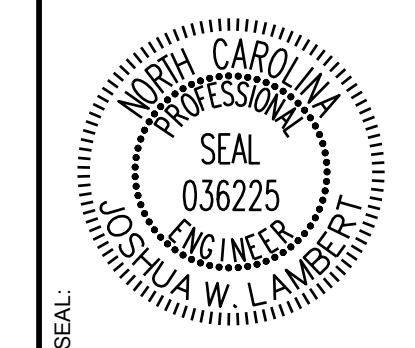
N/F  
GOLD, SHARIE  
PIN: 1757866660  
DB: PG:  
BM 1990 PG 00623  
ZONING: R-30 (WC) USE: SF

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



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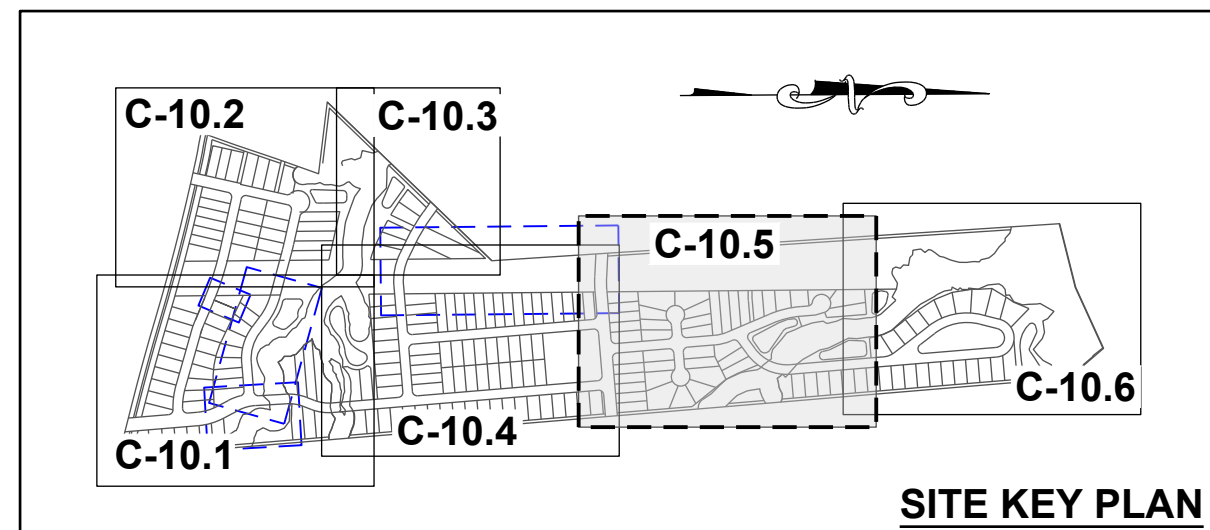
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STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	DESIGNED BY JWL	DRAWN BY SRG	CHECKED BY JWL
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  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

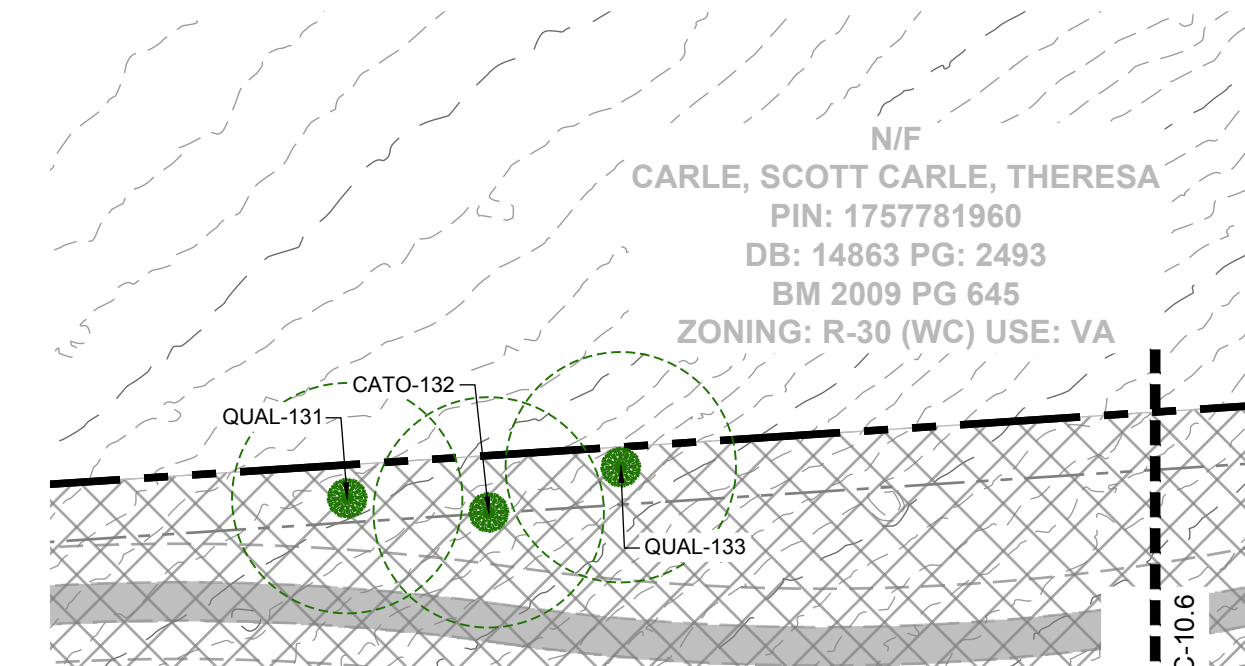
DRAWING SHEET  
**C-10.4**

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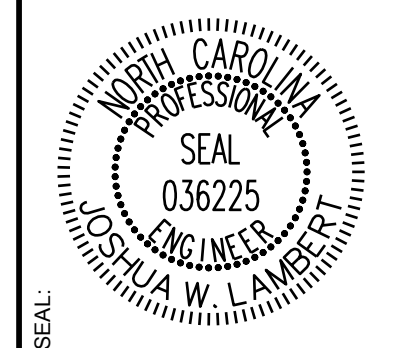


**LEGEND:**

- 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



**STRONGROCK**  
ENGINEERING GROUP

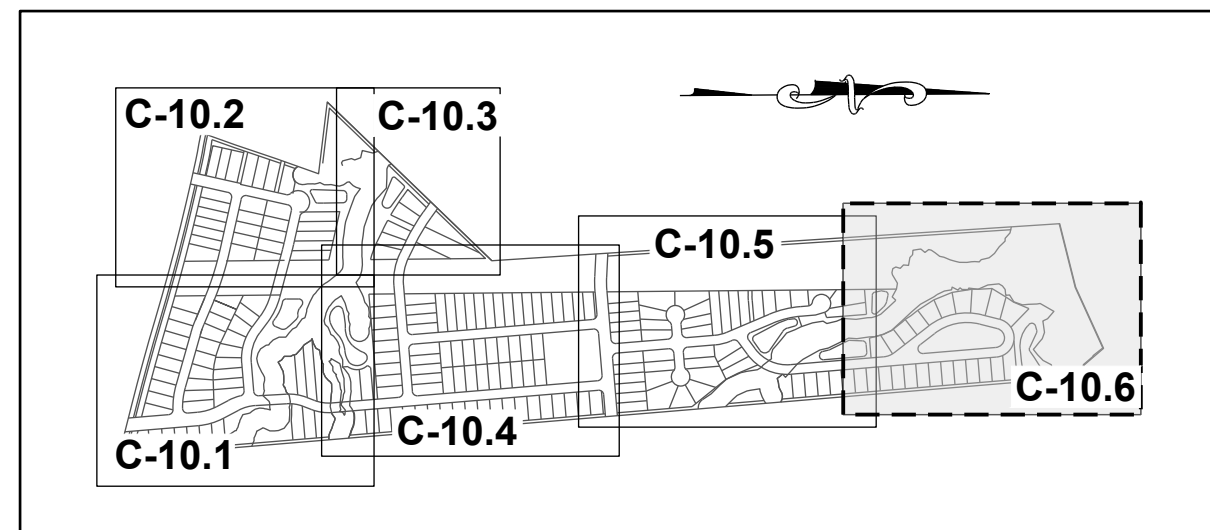
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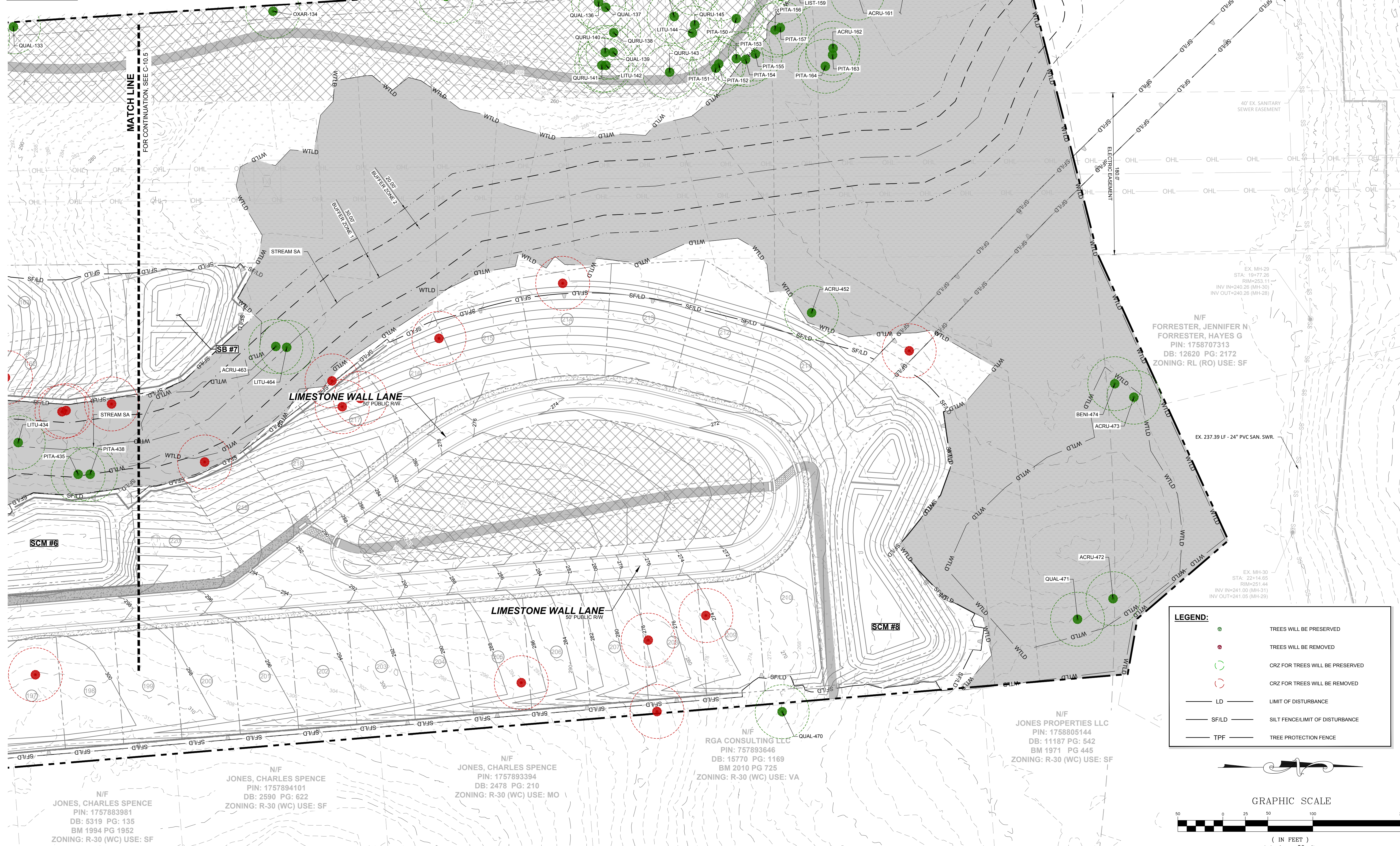
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
PRESERVATION PLAN V

DRAWING SHEET  
**C-10.5**

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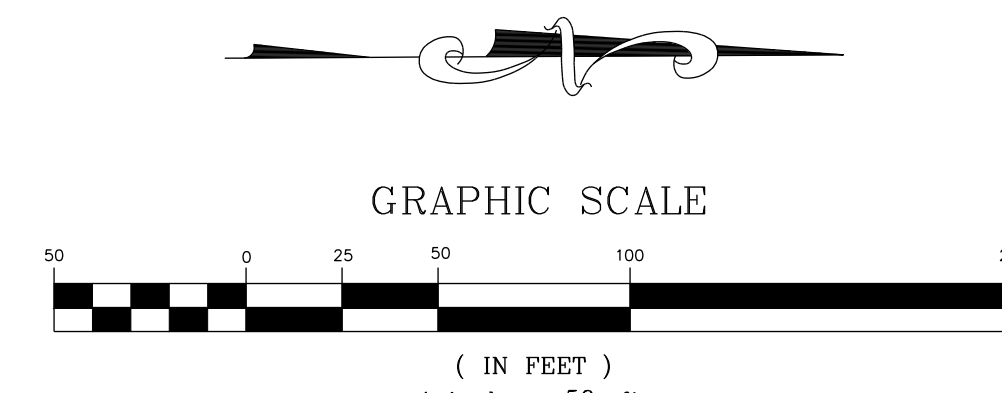


SITE KEY PLAN



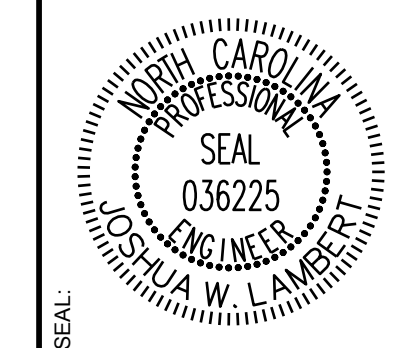
**LEGEND:**

- 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
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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-10.6**

TYPE	NO OF TREE	BOTANICAL NAME	CALIPER INCHES
1	QUNI	20	FAIR
5	PIST	25	FAIR
29	PITA	24	FAIR
31	LITU	21	FAIR
32	LITU	20	FAIR
35	LITU	19	FAIR
36	ULAM	18	FAIR
37	LITU	24	FAIR
38	LITU	28	POOR
39	CEOC	21	FAIR
40	LIST	17	FAIR
41	PITA	24	FAIR
42	QUAL	21	FAIR
43	PITA	24	FAIR
44	PITA	25	FAIR
45	CATO	21	FAIR
46	LITU	25	FAIR
47	PITA	20	FAIR
48	PITA	26	FAIR
49	LITU	24	FAIR
50	LITU	19	FAIR
51	PITA	25	FAIR
52	LITU	26	FAIR
53	LITU	22	FAIR
54	LITU	24	FAIR
55	LITU	26	FAIR
56	LITU	25	FAIR
57	LITU	26	FAIR
58	LITU	27	FAIR
59	LITU	20	FAIR
60	LITU	27	FAIR
61	LIST	24	FAIR
62	QURU	18	FAIR
67	LITU	22	FAIR
68	ACRU	22	POOR
69	LITU	21	FAIR
70	LITU	28	FAIR
116	ACRU	18	FAIR
117	QUAL	26	FAIR
127	QUAL	20	FAIR
128	PITA	25	FAIR
130	PITA	24	FAIR
131	QUAL	21	FAIR
132	CATO	18	FAIR
133	QUAL	25	FAIR
134	OXAR	18	FAIR
135	ACRU	18	FAIR
136	QUAL	20	FAIR
137	QUAL	25	FAIR
138	QURU	20	FAIR
139	QUAL	18	FAIR
140	QURU	18	FAIR
141	QURU	20	FAIR
142	LITU	20	FAIR
143	QURU	20	FAIR
144	LITU	24	FAIR
145	QURU	19	FAIR
146	FRAM	24	FAIR
147	QUAL	19	FAIR
148	LITU	24	FAIR
149	PITA	20	FAIR

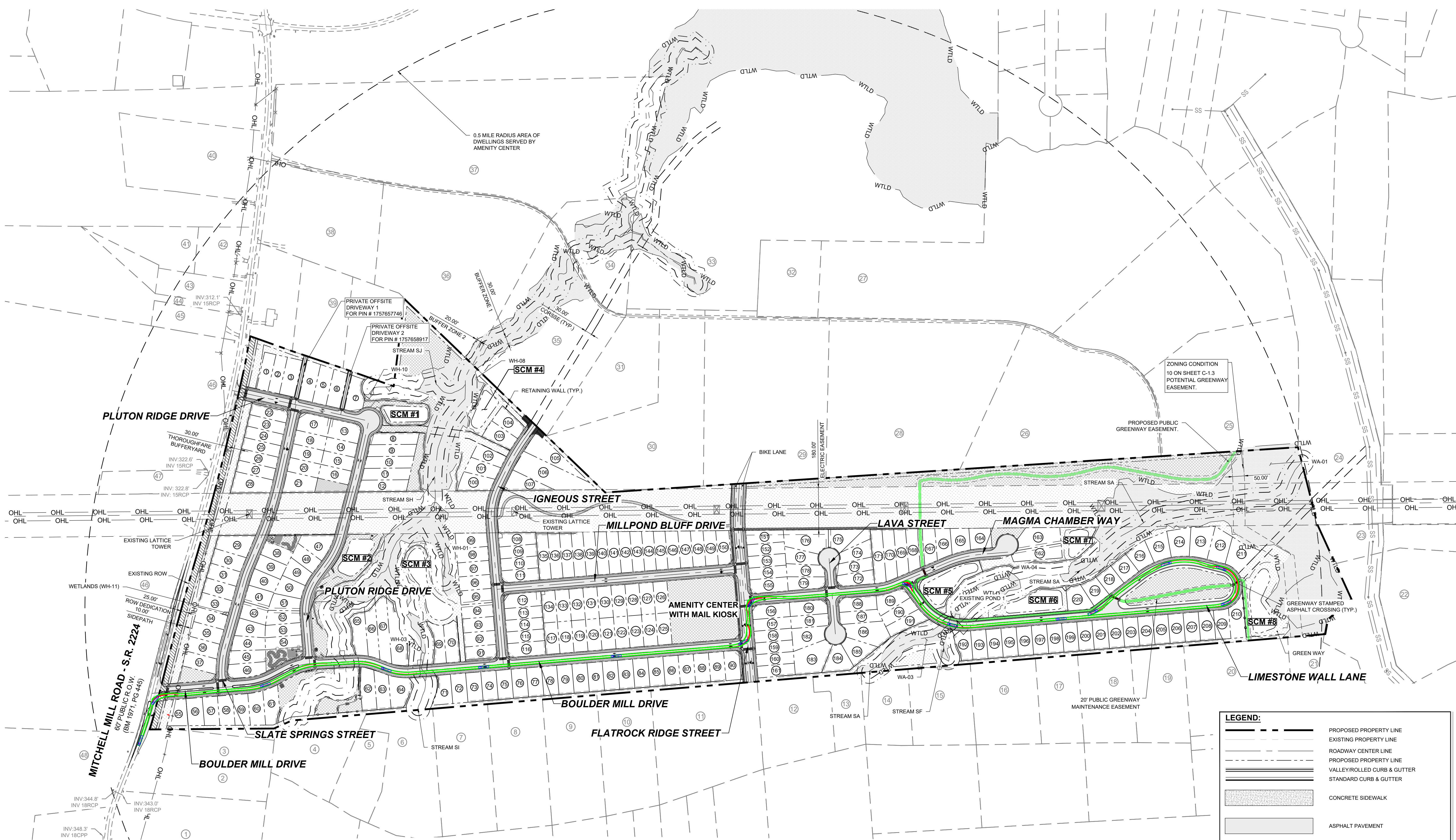
150	PITA	20	FAIR
151	PITA	21	FAIR
152	PITA	21	FAIR
153	PITA	20	FAIR
154	PITA	21	FAIR
155	PITA	21	FAIR
156	PITA	20	FAIR
157	PITA	22	FAIR
158	LIST	19	FAIR
159	LIST	19	FAIR
160	LIST	21	FAIR
161	ACRU	25	FAIR
162	ACRU	20	FAIR
163	PITA	20	FAIR
164	PITA	20	FAIR
165	ACRU	25	GOOD
185	LIST	21	GOOD
186	LITU	24	FAIR
187	QUAL	18	GOOD
233	LITU	22	FAIR
234	LITU	28	POOR
235	LITU	25	FAIR
236	QUAL	26	GOOD
237	QUAL	20	GOOD
238	LITU	18	FAIR
239	LITU	22	GOOD
240	PITA	22	GOOD
242	PLAC1	19	GOOD
243	LITU	18	FAIR
244	LITU	18	GOOD
245	QURU	19	GOOD
246	QURU	24	FAIR
247	QUAL	18	GOOD
251	QURU	19	FAIR
263	LITU	31	POOR
265	LITU	24	GOOD
266	LITU	28	GOOD
267	LITU	31	FAIR
277	LITU	24	FAIR
278	PITA	23	DEAD
279	ACRU	24	DEAD
281	PLOC	28	POOR
282	LITU	28	FAIR
283	PITA	23	FAIR
284	PITA	24	DEAD
285	PITA	24	FAIR
286	PLOC	24	FAIR
287	LITU	25	DEAD
292	LITU	28	FAIR
293	PITA	24	FAIR
294	PLOC	23	FAIR
295	ACRU	24	POOR
296	LITU	20	FAIR
297	QURU	26	FAIR
299	QUAL	19	FAIR
301	LITU	18	FAIR
302	PITA	20	FAIR
317	LITU	23	FAIR
323	PITA	24	FAIR
324	QUAL	23	FAIR
325	QUAL	27	FAIR
326	PITA	20	FAIR

327	QUAL	27	FAIR
328	PLOC	22	FAIR
329	QUFA	24	POOR
333	LITU	19	FAIR
338	LITU	21	FAIR
339	LITU	27	FAIR
340	LITU	19	FAIR
341	QUNI	20	FAIR
343	LITU	18	FAIR
344	LITU	18	FAIR
345	LITU	19	FAIR
348	ACRU	18	FAIR
349	PITA	24	FAIR
350	LIST	23	FAIR
356	LITU	24	POOR
357	LITU	24	FAIR
358	LITU	19	FAIR
359	LITU	19	FAIR
360	LITU	25	FAIR
361	LIST	18	FAIR
363	ILOP	18	FAIR
364	LIST	18	FAIR
365	LITU	23	FAIR
366	LITU	19	FAIR
367	LITU	23	FAIR
368	LITU	18	FAIR
369	LITU	20	FAIR
370	QURU	18	FAIR
371	LITU	23	FAIR
372	LITU	23	FAIR
373	LITU	18	FAIR
374	PITA	25	FAIR
409	LITU	20	FAIR
410	ACRU	20	FAIR
411	LITU	18	FAIR
412	LITU	23	FAIR
414	LITU	21	FAIR
415	LITU	24	FAIR
418	QUAL	24	FAIR
419	QUAL	19	FAIR
421	QUAL	19	FAIR
429	PITA	20	FAIR
431	PITA	21	FAIR
434	LITU	27	FAIR
435	PITA	20	FAIR
436	LITU	21	FAIR
437	QUAL	21	FAIR
438	PITA	20	FAIR
439	ACRU	18	FAIR
442	LITU	26	FAIR
443	PITA	23	FAIR
452	ACRU	24	FAIR
463	ACRU	24	FAIR
464	LITU	19	FAIR
470	QUAL	24	FAIR
471	QUAL	21	FAIR
472	ACRU	18	FAIR
473	ACRU	21	FAIR
474	BENI	18	FAIR

TREE TO BE REMOVED			
TYPE	NO OF TREE	BOTANICAL NAME	CALIPER INCHES
DECIDUOUS	3	CEOC	26
DECIDUOUS	4	ULAL	23
DECIDUOUS	6	CAIL	28
DECIDUOUS	7	CAIL	22
DECIDUOUS	15	LITU	18
DECIDUOUS	22	LITU	21
DECIDUOUS	26	PLOC	29
DECIDUOUS	27	PLOC	27
DECIDUOUS	28	ULAM	18
DECIDUOUS	30	LITU	25
DECIDUOUS	33	LITU	25
DECIDUOUS	34	LITU	21
DECIDUOUS	65	LITU	24
DECIDUOUS	66	LITU	18
DECIDUOUS	71	LITU	21
DECIDUOUS	75	LITU	26
DECIDUOUS	76	QUFA	26
DECIDUOUS	77	QUAL	25
DECIDUOUS	78	QUFA	28
DECIDUOUS	79	QUAL	20
DECIDUOUS	80	QUAL	30
DECIDUOUS	81	QURU	19
DECIDUOUS	82	QUAL	24
DECIDUOUS	83	QURU	20
DECIDUOUS	84	LITU	26
DECIDUOUS	85	QURU	19
DECIDUOUS	86	QUAL	32
DECIDUOUS	87	QUAL	18
DECIDUOUS	88	QUAL	24
DECIDUOUS	89	QUAL	33
DECIDUOUS	90	QUAL	22
DECIDUOUS	91	QUAL	24
DECIDUOUS	98	LIST	19
DECIDUOUS	99	ULAL	18
DECIDUOUS	100	LITU	21
DECIDUOUS	103	LITU	31
DECIDUOUS	105	ACRU	23
DECIDUOUS	106	NYSY	18
DECIDUOUS	109	LITU	24
DECIDUOUS	110	LIST	19
DECIDUOUS	115	QUAL	48
DECIDUOUS	118	QUAL	25
DECIDUOUS	119	LITU	19
DECIDUOUS	122	QUAL	20
DECIDUOUS	123	QUAL	27
DECIDUOUS	124	ACRU	20
DECIDUOUS	125	CATO	25
DECIDUOUS	126	LITU	25
DECIDUOUS	129	LIST	20
DECIDUOUS	166	LITU	20
DECIDUOUS	173	QUNI	18
DECIDUOUS	174	QUNI	25
DECIDUOUS	175	QUNI	31
DECIDUOUS	176	LITU	29
DECIDUOUS	177	LITU	35
DECIDUOUS	178	LITU	18
DECIDUOUS	181	LITU	36
DECIDUOUS	183	LITU	28
DECIDUOUS	184	LIST	18
DECIDUOUS	188	LITU	18
DECIDUOUS	189	LITU	21
DECIDUOUS	190	LITU	23
DECIDUOUS	191	QUAL	22
DECIDUOUS	192	QUAL	24
DECIDUOUS	193	LITU	25
DECIDUOUS	194	LITU	18
DECIDUOUS	195	LITU	19
DECIDUOUS	197	LITU	20
DECIDUOUS	198	LITU	19
DECIDUOUS	199	LITU	18
DECIDUOUS	204	LIST	18
DECIDUOUS	205	LITU	20
DECIDUOUS	206	LITU	18
DECIDUOUS	207	ACRU	26
DECIDUOUS	208	ACRU	29
DECIDUOUS	209	CEOC	24
DECIDUOUS	210	ACRU	24
DECIDUOUS	212	ACRU	30
DECIDUOUS	213	LIST	21
DECIDUOUS	216	LITU	27
DECIDUOUS	217	ACRU	18
DECIDUOUS	218	LITU	21
DECIDUOUS	219	LITU	36
DECIDUOUS	220	LITU	20
DECIDUOUS	221	LITU	32
DECIDUOUS	222	LITU	35
DECIDUOUS	223	LITU	22
DECIDUOUS	224	ACRU	24
DECIDUOUS	225	QUAL	28
DECIDUOUS	226	LITU	18
DECIDUOUS	227	LITU	25
DECIDUOUS	228	LITU	23
DECIDUOUS	229	LITU	23
DECIDUOUS	230	LITU	26
DECIDUOUS	231	LITU	35
DECIDUOUS	232	LITU	31
DECIDUOUS	241	LITU	22
DECIDUOUS	248	QUAL	25
DECIDUOUS	249	QUAL	23
DECIDUOUS	250	QURU	21
DECIDUOUS	252	ACRU	18
DECIDUOUS	253	ULAM	35
DECIDUOUS	254	QUAL	25
DECIDUOUS	255	ACRU	28
DECIDUOUS	256	QUNI	18
DECIDUOUS	257	ACRU	18
DECIDUOUS	258	LITU	19

TREE TO BE REMOVED			
TYPE	NO OF TREE	BOTANICAL NAME	CALIPER INCHES
DECIDUOUS	259	PLOC	38
DECIDUOUS	260	LITU	30
DECIDUOUS	261	LITU	21
DECIDUOUS	262	LITU	24
DECIDUOUS	264	LITU	42
DECIDUOUS	268	QUAL	33
DECIDUOUS	269	QURU	24
DECIDUOUS	270	QUAL	24
DECIDUOUS	271	QURU	31
DECIDUOUS	273	QUAL	38
DECIDUOUS	274	QUAL	40
DECIDUOUS	275	LITU	20
DECIDUOUS	276	LITU	21
DECIDUOUS	280	LITU	26
DECIDUOUS	288	LITU	22
DECIDUOUS	290	LIST	24
DECIDUOUS	291	LIST	18
DECIDUOUS	298	LITU	20
DECIDUOUS	303	QUFA	20
DECIDUOUS	304	LITU	20
DECIDUOUS	305	QURU	20
DECIDUOUS	311	QURU	18
DECIDUOUS	312	QUAL	20
DECIDUOUS	318	LITU	20
DECIDUOUS	319	QUAL	37
DECIDUOUS	320	QUAL	36
DECIDUOUS	330	LITU	20
DECIDUOUS	332	LITU	19
DECIDUOUS	334	QURU	23
DECIDUOUS	335	QURU	25
DECIDUOUS	336	LITU	20
DECIDUOUS	337	QUAL	18
DECIDUOUS	339	CATO	18
DECIDUOUS	380	QURU	18
DECIDUOUS	381	PLOC	19
DECIDUOUS	382	QUFA	18
DECIDUOUS	383	QUAL	21
DECIDUOUS	384	LITU	31
DECIDUOUS	385	LITU	18
DECIDUOUS	386	CATO	24
DECIDUOUS	387	CATO	18
DECIDUOUS	388	QUAL	19
DECIDUOUS	392	QUAL	30
DECIDUOUS	393	QUAL	25
DECIDUOUS	394	QUAL	20
DECIDUOUS	395	QUFA	24
DECIDUOUS	396	QUAL	21
DECIDUOUS	397	QUAL	21
DECIDUOUS	398	QUAL	19
DECIDUOUS	399	QUAL	20
DECIDUOUS	400	ULAL	36
DECIDUOUS	401	ULAL	19
DECIDUOUS	402	QUAL	18
DECIDUOUS	403	QUAL	18
DECIDUOUS	404	QUFA	22
DECIDUOUS	405	QUFA	26
DECIDUOUS	406	QUAL	19
DECIDUOUS	407	QUAL	21
DECIDUOUS	408	QUAL	20
DECIDUOUS	413	QUAL	21
DECIDUOUS	417	QUAL	21





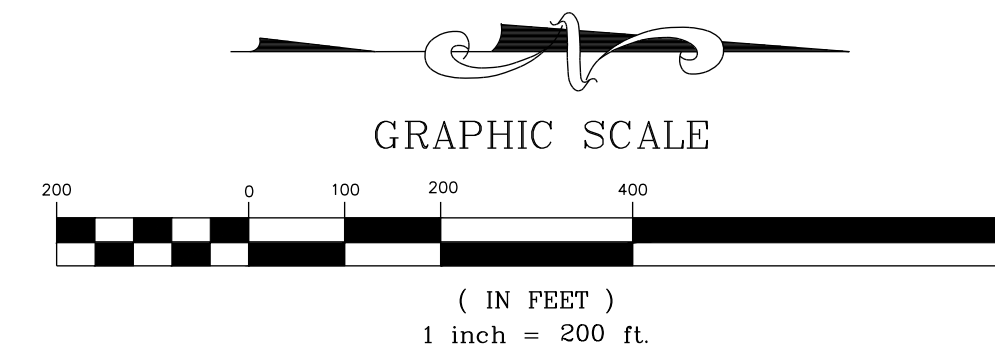
23. Please clarify the intent of these sheets. Fire will need access down all streets not just the path shown in these Fire Plan sheets.

SREG: These sheets show the fire truck turning radius around the tightest curve on the site at the request of the fire department in a previous TRC cycle. The curb and pavement radii throughout the rest of the project provide the proper standard turning radii.

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

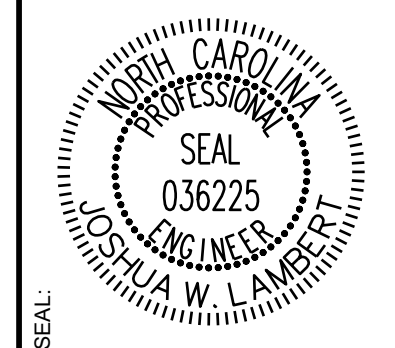
**LEGEND:**

- 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
- EXISTING WETLAND
- TRUCK BODY PATH OUTLINE
- WHEELS PATH OUTLINE
- FIRE TRUCK



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No.	REVISIONS	DATE	BY

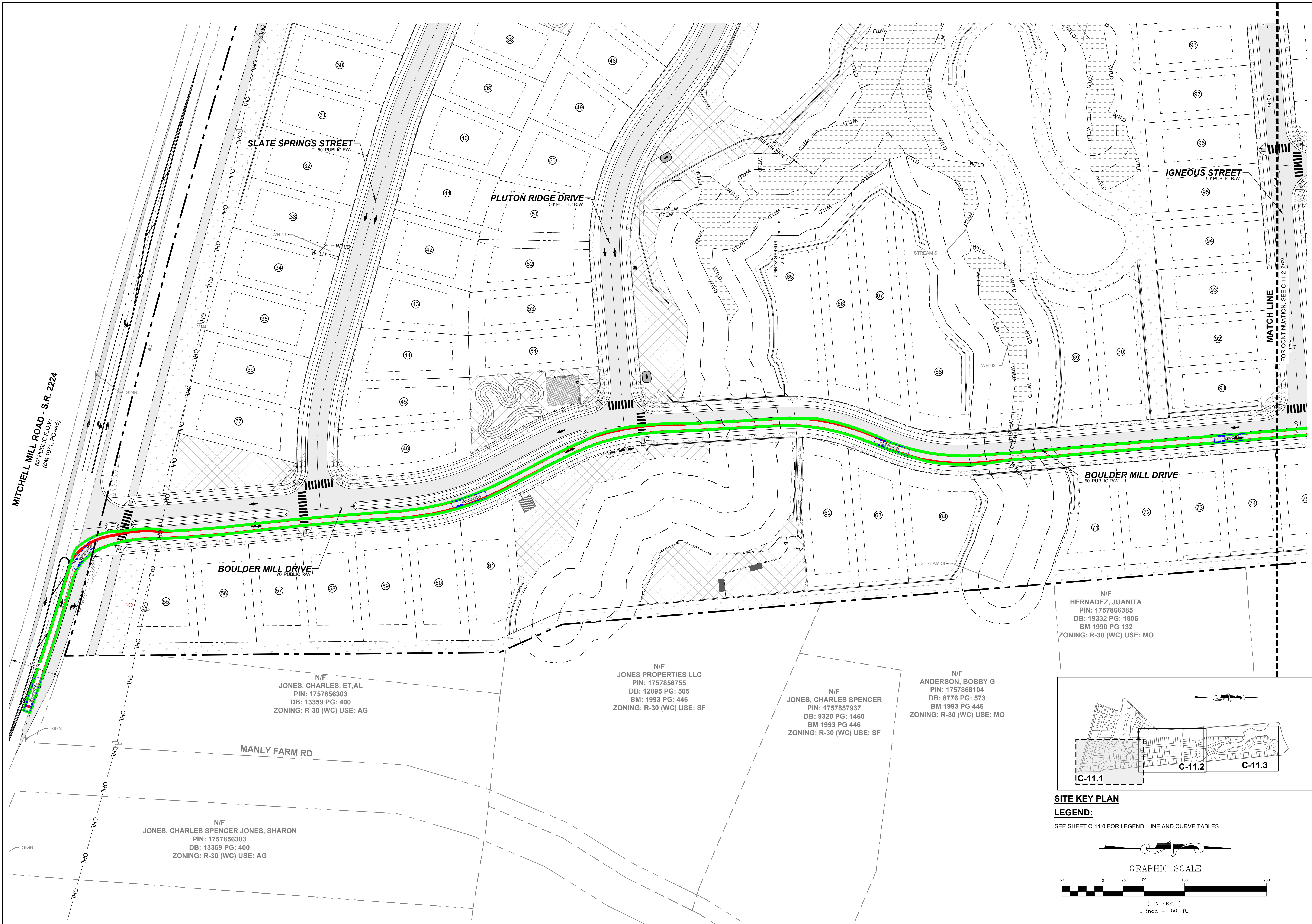


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**HILLS AT HARRIS CREEK**  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**OVERALL FIRE PLAN**

DRAWING SHEET  
**C-11.0**



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

**SLATE SPRINGS STREET**  
 50' PUBLIC R.O.W.

**PLUTON RIDGE DRIVE**  
 50' PUBLIC R.O.W.

**IGNEOUS STREET**  
 50' PUBLIC R.O.W.

**BOULDER MILL DRIVE**  
 70' PUBLIC R.O.W.

**BOULDER MILL DRIVE**  
 50' PUBLIC R.O.W.

**MANLY FARM RD**

N/F  
**JONES, CHARLES, ET,AL**  
 PIN: 1757856755  
 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

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

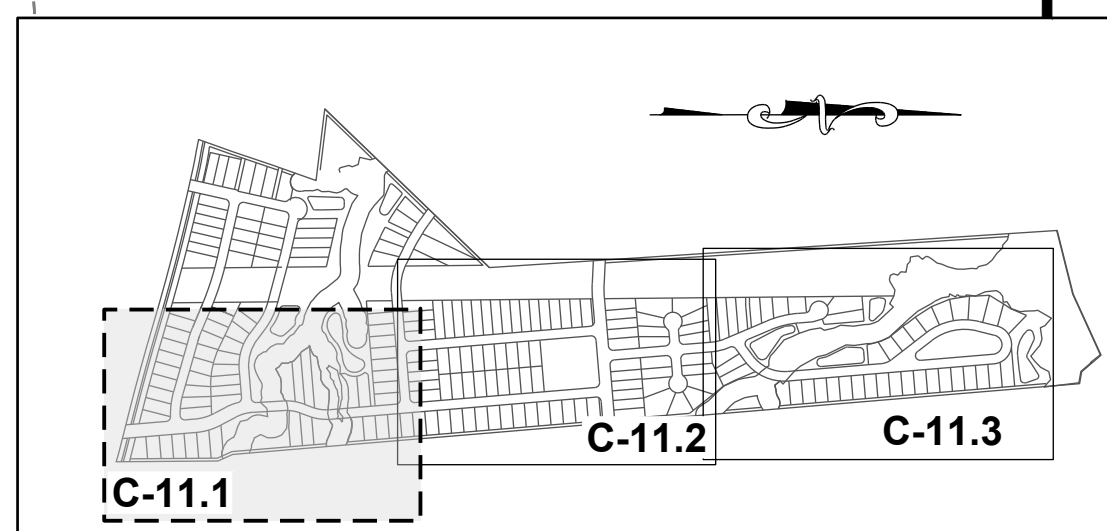
NO.	REVISIONS	DATE	BY



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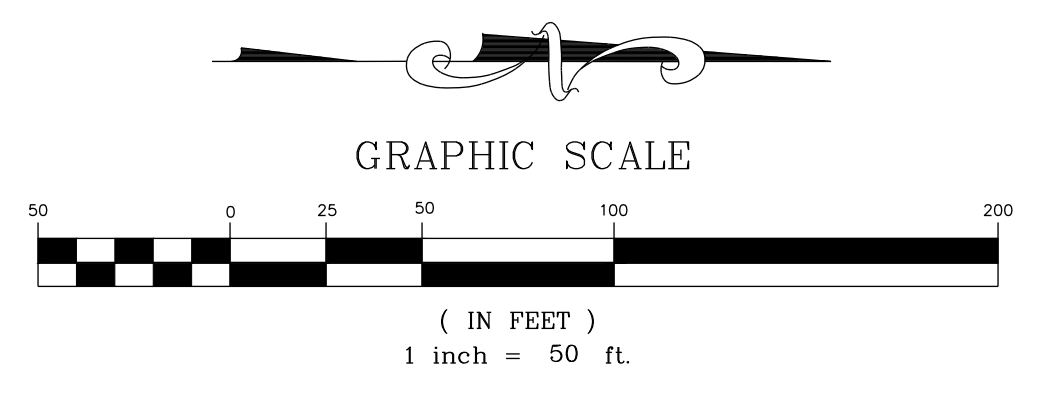
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**SITE KEY PLAN**

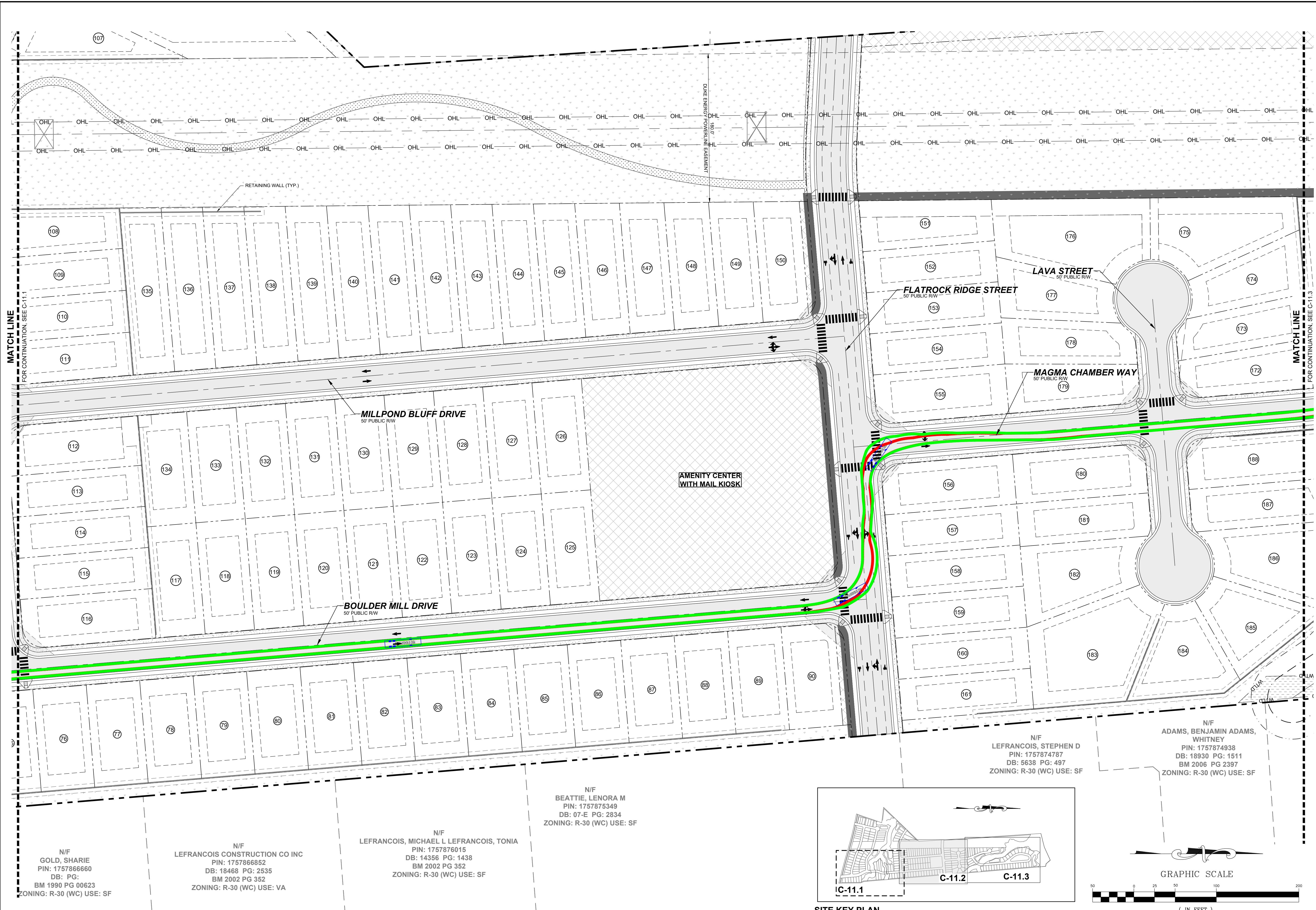
**LEGEND:**  
 SEE SHEET C-11.0 FOR LEGEND, LINE AND CURVE TABLES



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

**DRAWING SHEET**  
**C-11.1**

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MATCH LINE  
FOR CONTINUATION, SEE C-11.1

MATCH LINE  
FOR CONTINUATION, SEE C-11.3

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

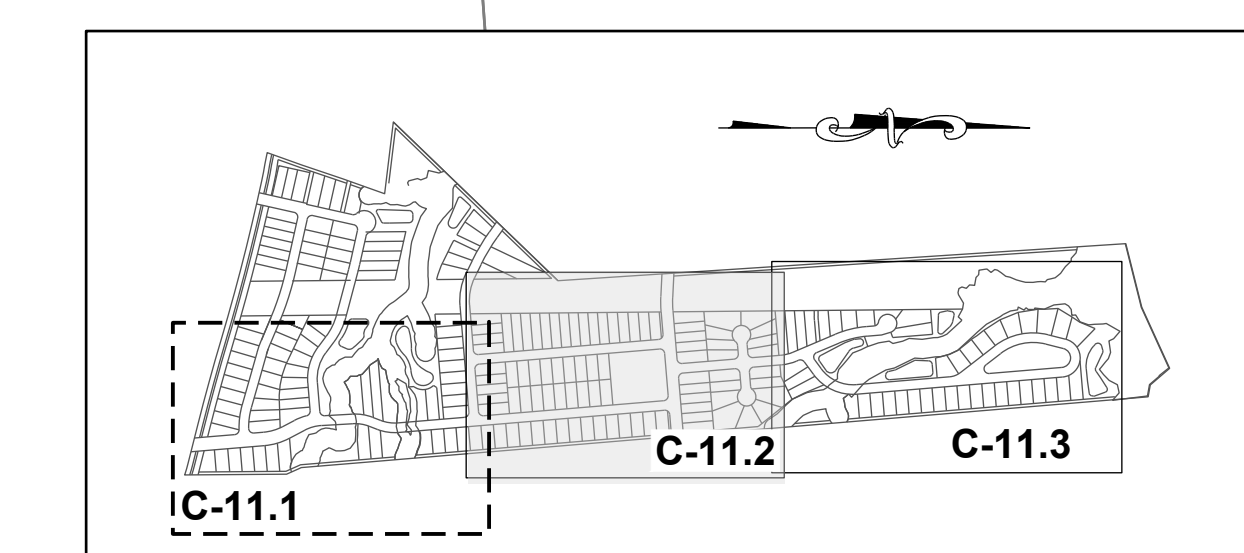
N/F  
LEFRANCOIS CONSTRUCTION CO INC  
PIN: 1757866852  
DB: 18468 PG: 2535  
BM 2002 PG 352  
ZONING: R-30 (WC) USE: VA

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

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

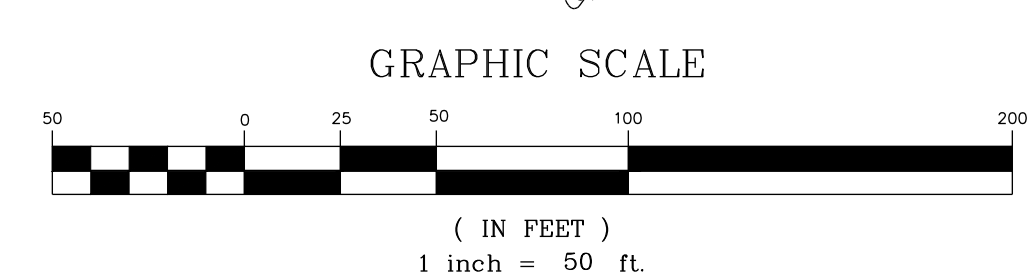
N/F  
ADAMS, BENJAMIN ADAMS,  
WHITNEY  
PIN: 1757874938  
DB: 18930 PG: 1511  
BM 2006 PG 2397  
ZONING: R-30 (WC) USE: SF



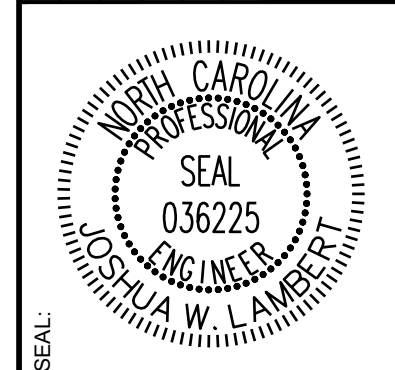
SITE KEY PLAN

LEGEND:

SEE SHEET C-11.0 FOR LEGEND, LINE AND CURVE TABLES



NO.	REVISIONS	DATE	BY



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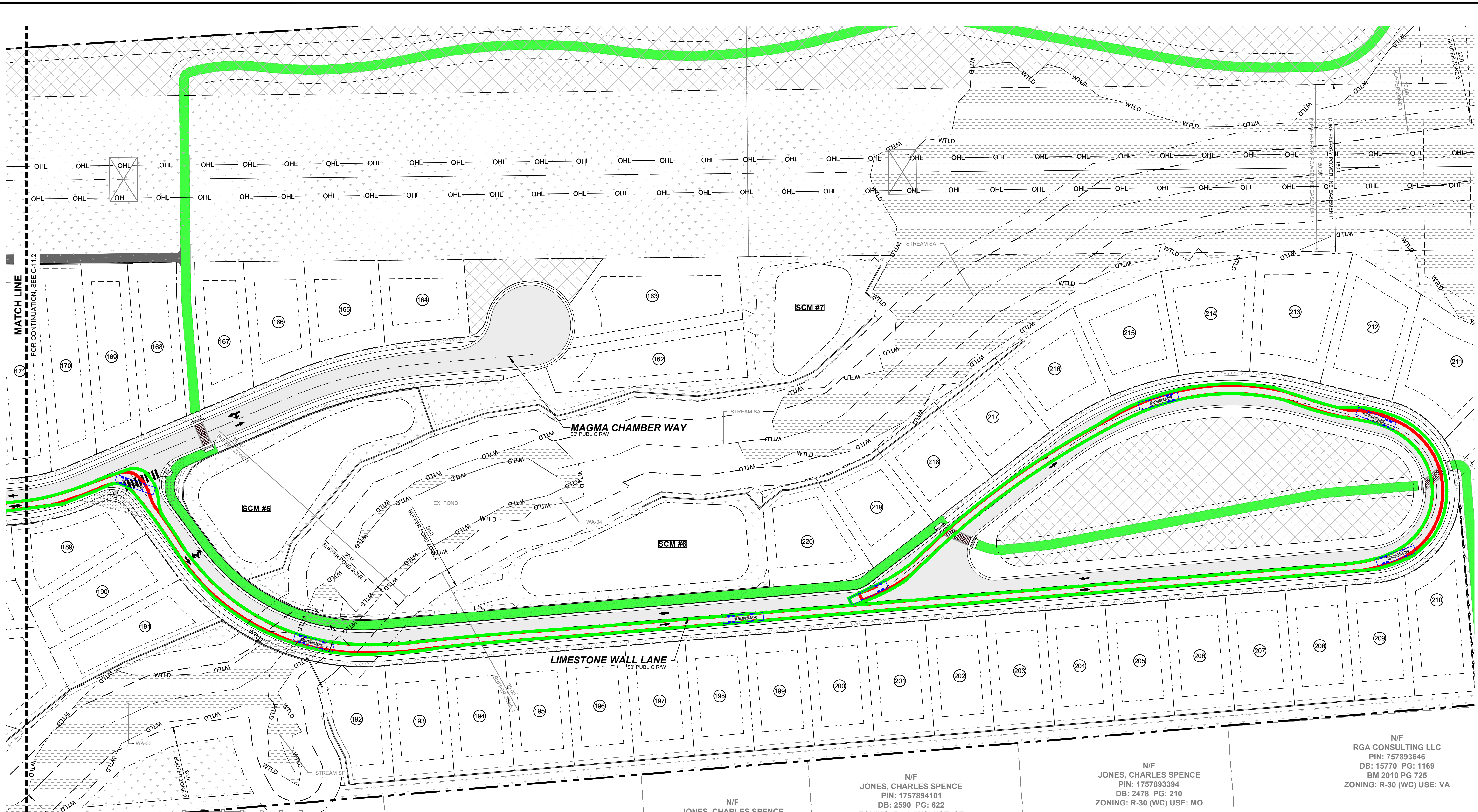
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HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
FIRE PLAN II

DRAWING SHEET  
C-11.2

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MATCH LINE  
FOR CONTINUATION, SEE C-11.2

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

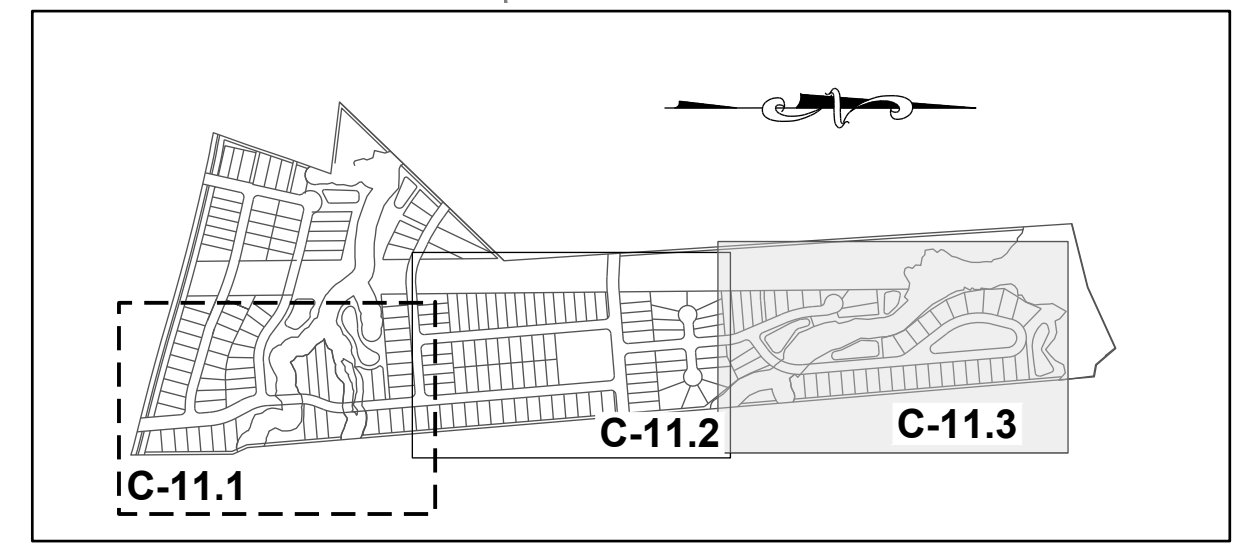
N/F  
JONES, CHARLES SPENCE  
PIN: 1757884608  
DB: 5319 PG: 135  
BM 1994 PG 1952  
ZONING: R-30 (WC) USE: SF

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

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

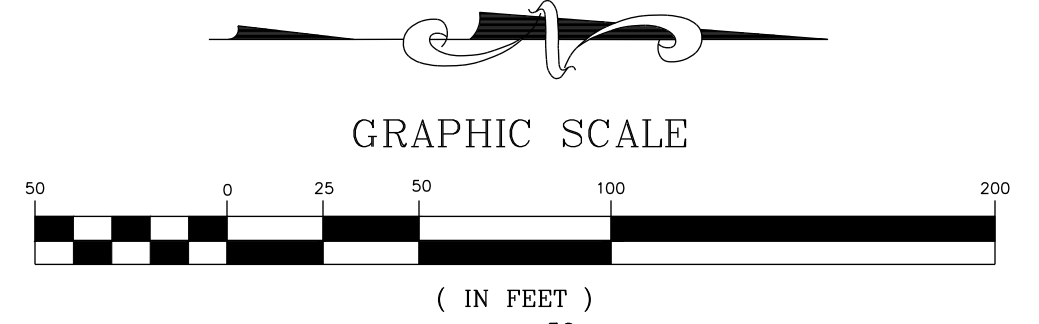
N/F  
JONES, CHARLES SPENCE  
PIN: 1757893394  
DB: 2478 PG: 210  
ZONING: R-30 (WC) USE: MO

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

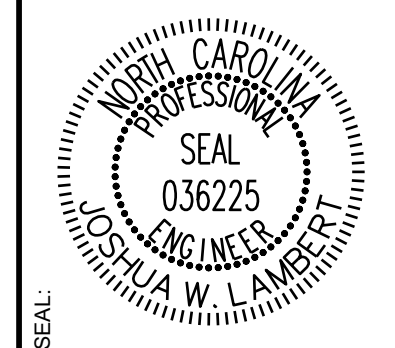


SITE KEY PLAN

LEGEND:  
SEE SHEET C-11.0 FOR LEGEND, LINE AND CURVE TABLES



NO.	REVISIONS	DATE	BY



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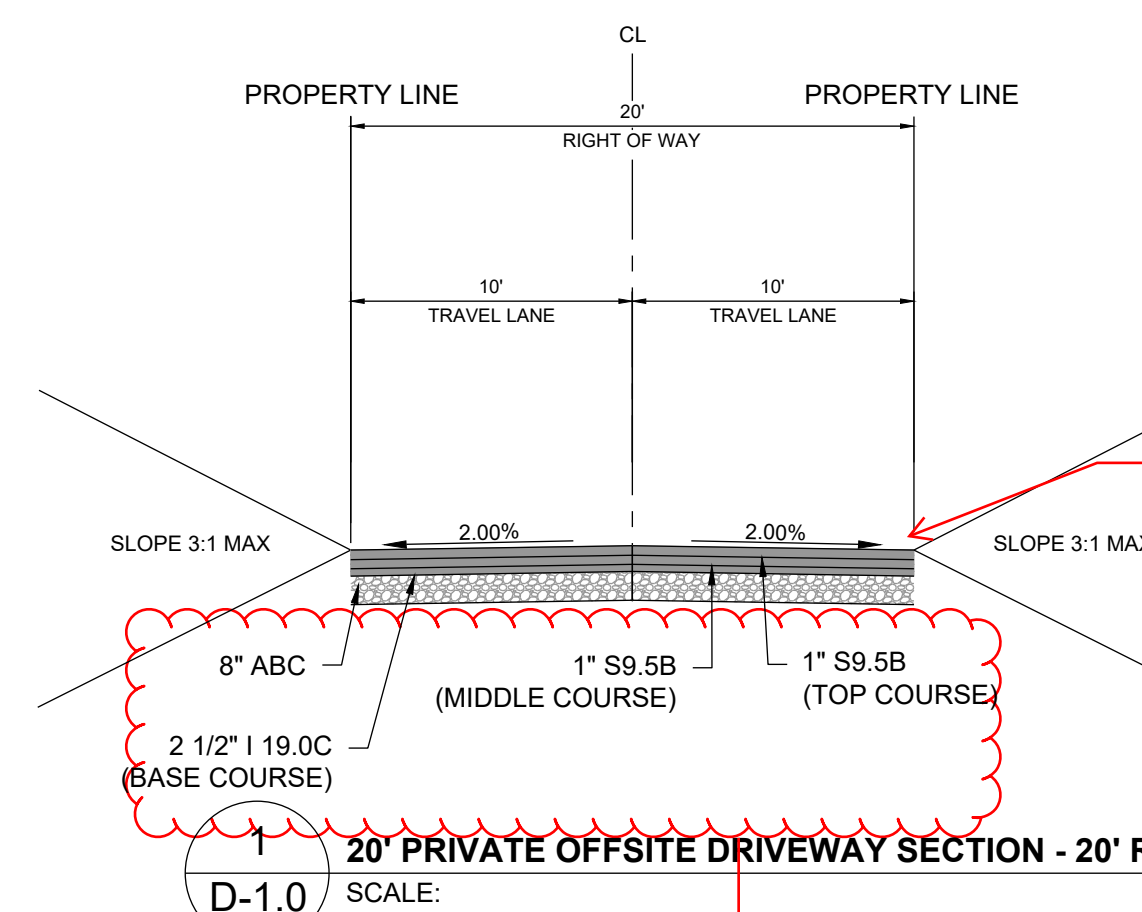
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			JWL	SRG	JWL

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

DRAWING SHEET  
C-11.3

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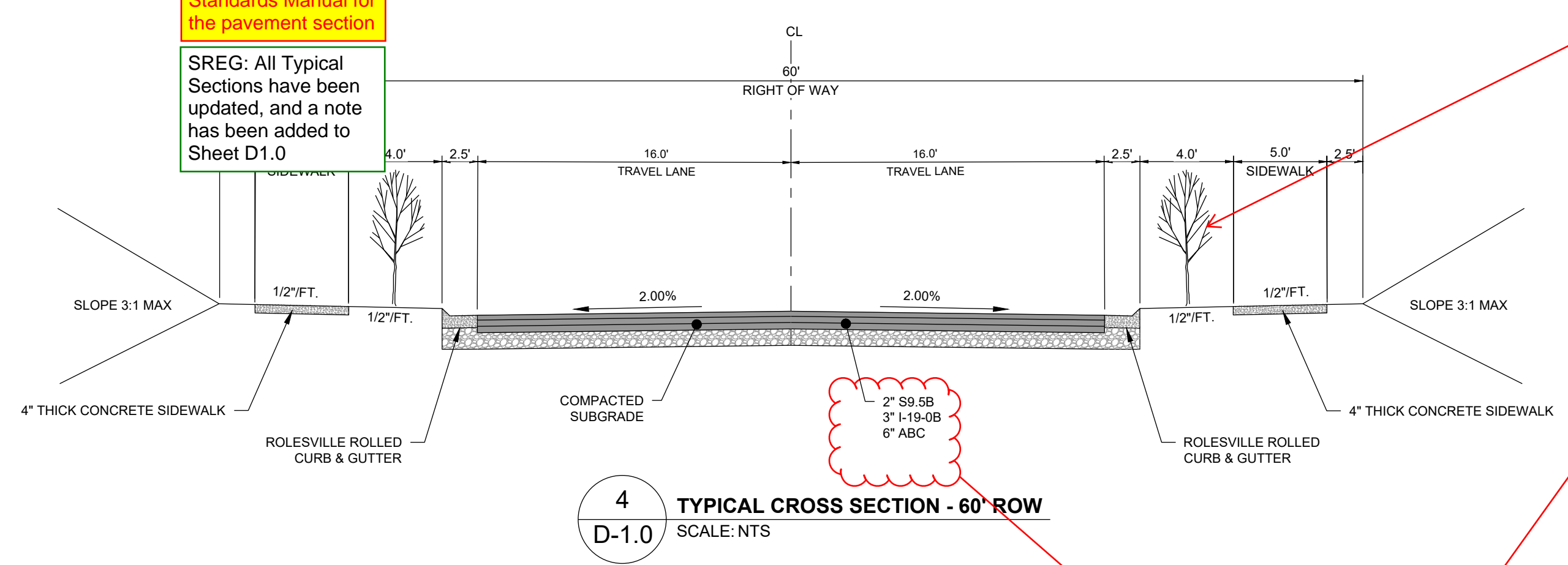
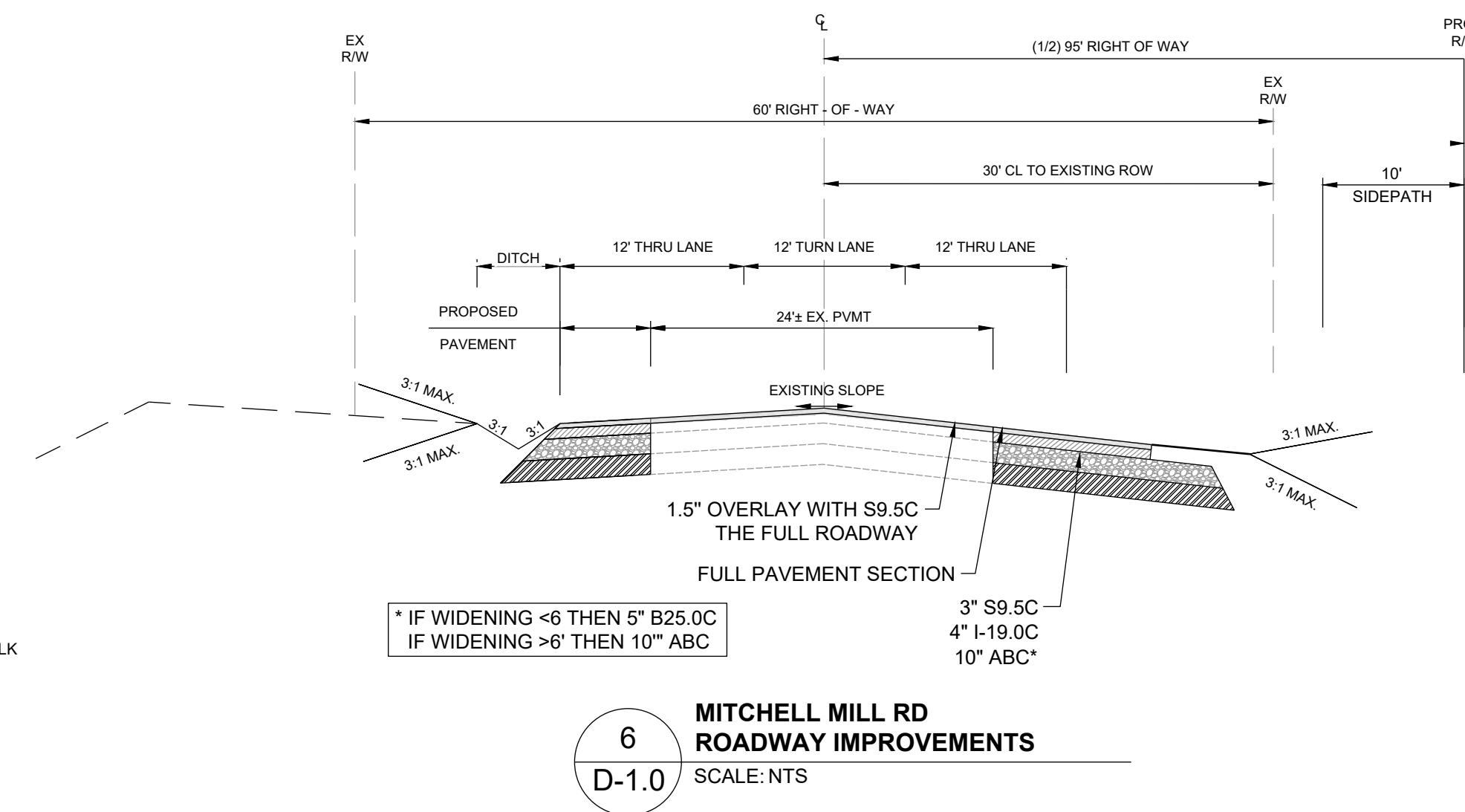
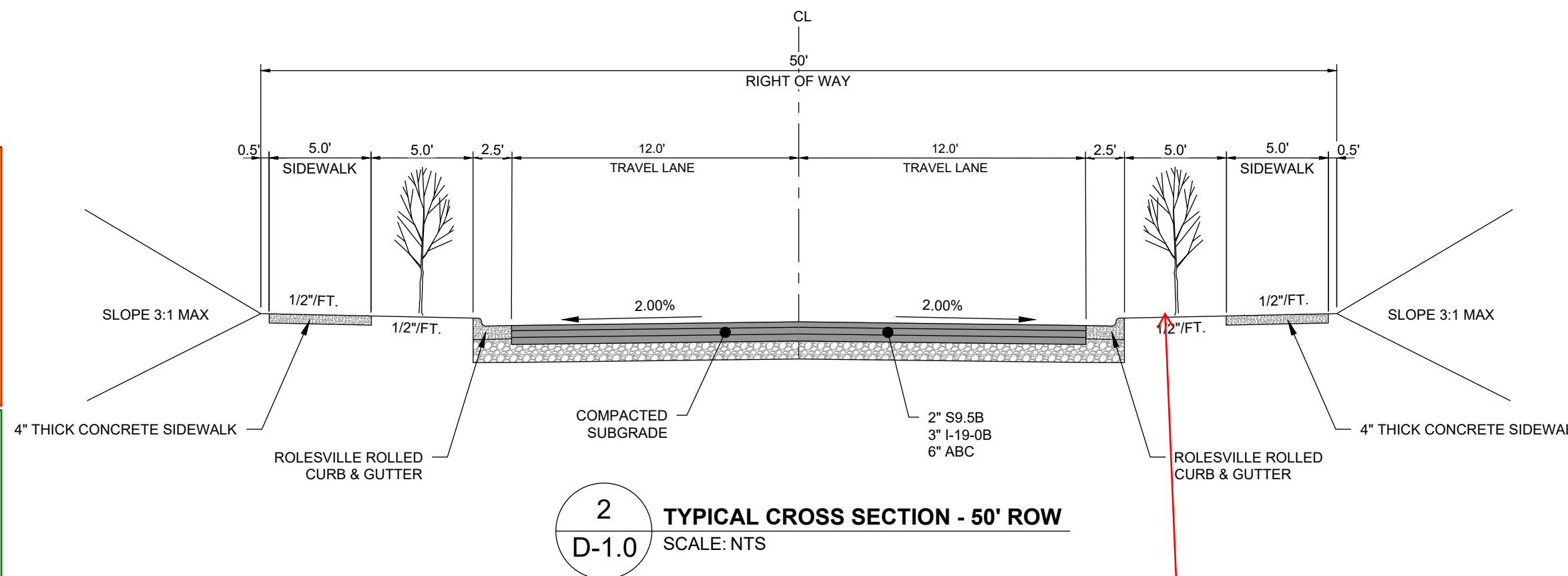


24. Due to the narrow pavement width for a 2-way section, the Town encourages a 2' concrete flush curb to provide support of the pavement, and additional driving surface for fire and garbage access.

SREG: The Private Offsite Driveway Section has been revised to show a 16' travel lane, and 2' concrete flush curb has been added on both sides of the section, see Sheet D1.0

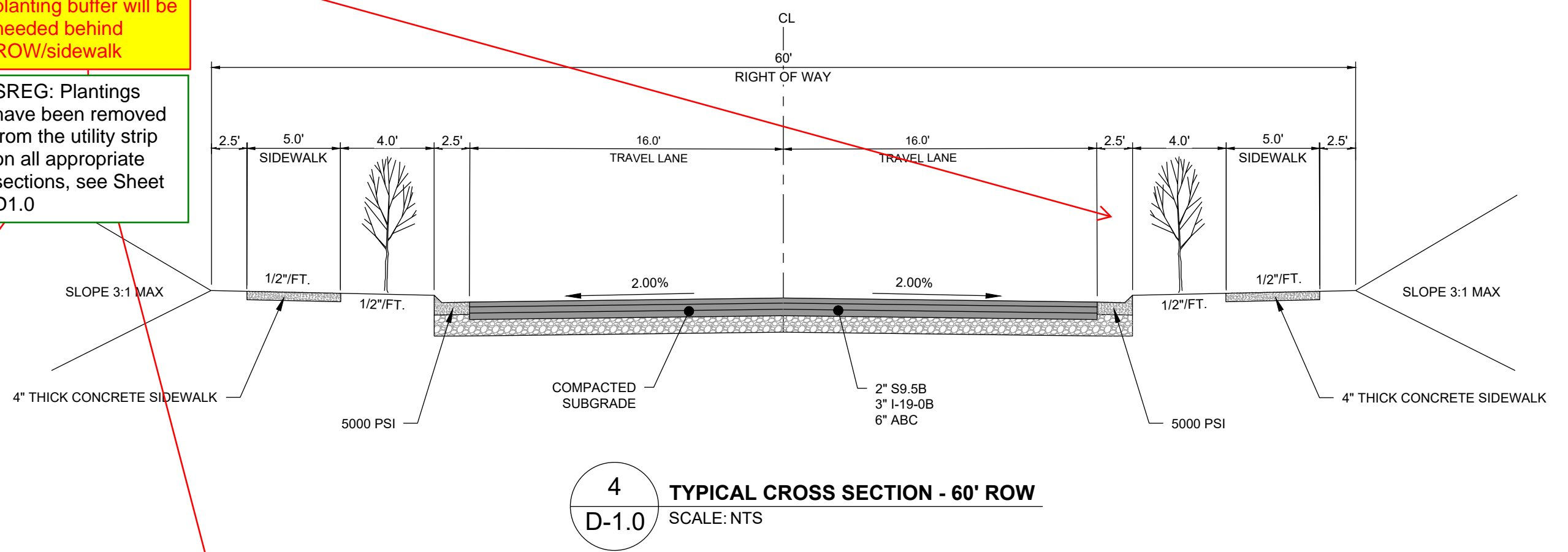
25. Please see the Town of Rolesville Standards Manual for the pavement section

SREG: All Typical Sections have been updated, and a note has been added to Sheet D1.0



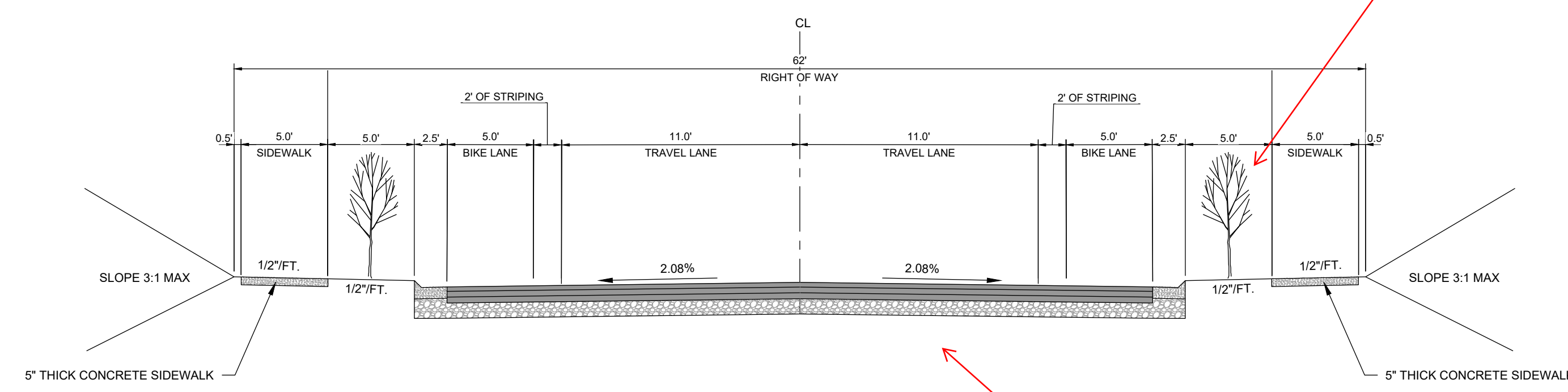
26. Plantings are not allowed within the 5' strip; per the Standards Manual, this is a utility strip. A planting buffer will be needed behind ROW/sidewalk

SREG: Plantings have been removed from the utility strip on all appropriate sections, see Sheet D1.0



27. Please see the Town of Rolesville Standards Manual for the pavement section

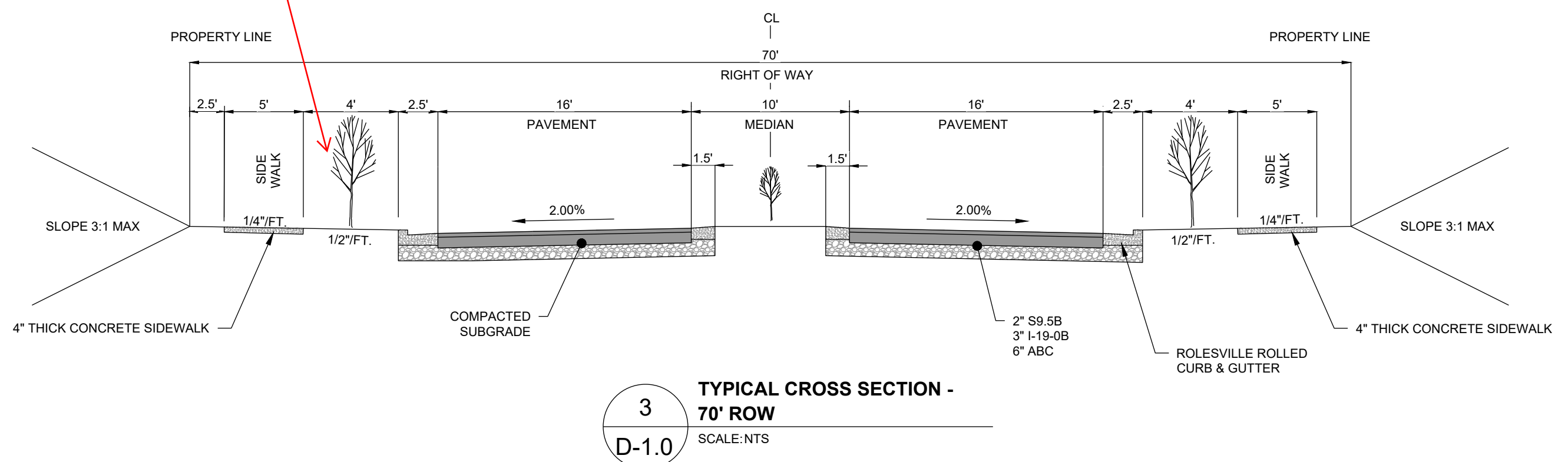
SREG: All Typical Sections have been updated, and a note has been added to Sheet D1.0



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

28. Add pavement schedule for this cross section.

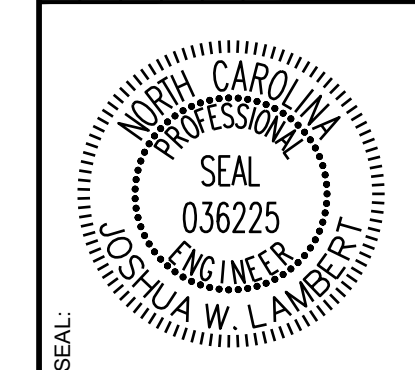
SREG: A pavement section has been added to the 62' ROW section and a note has been added to Sheet D1.0



29. Rename this sheet "Typical Cross Sections"

SREG: Sheet D1.0 has been re-named

NO.	REVISIONS	DATE	BY

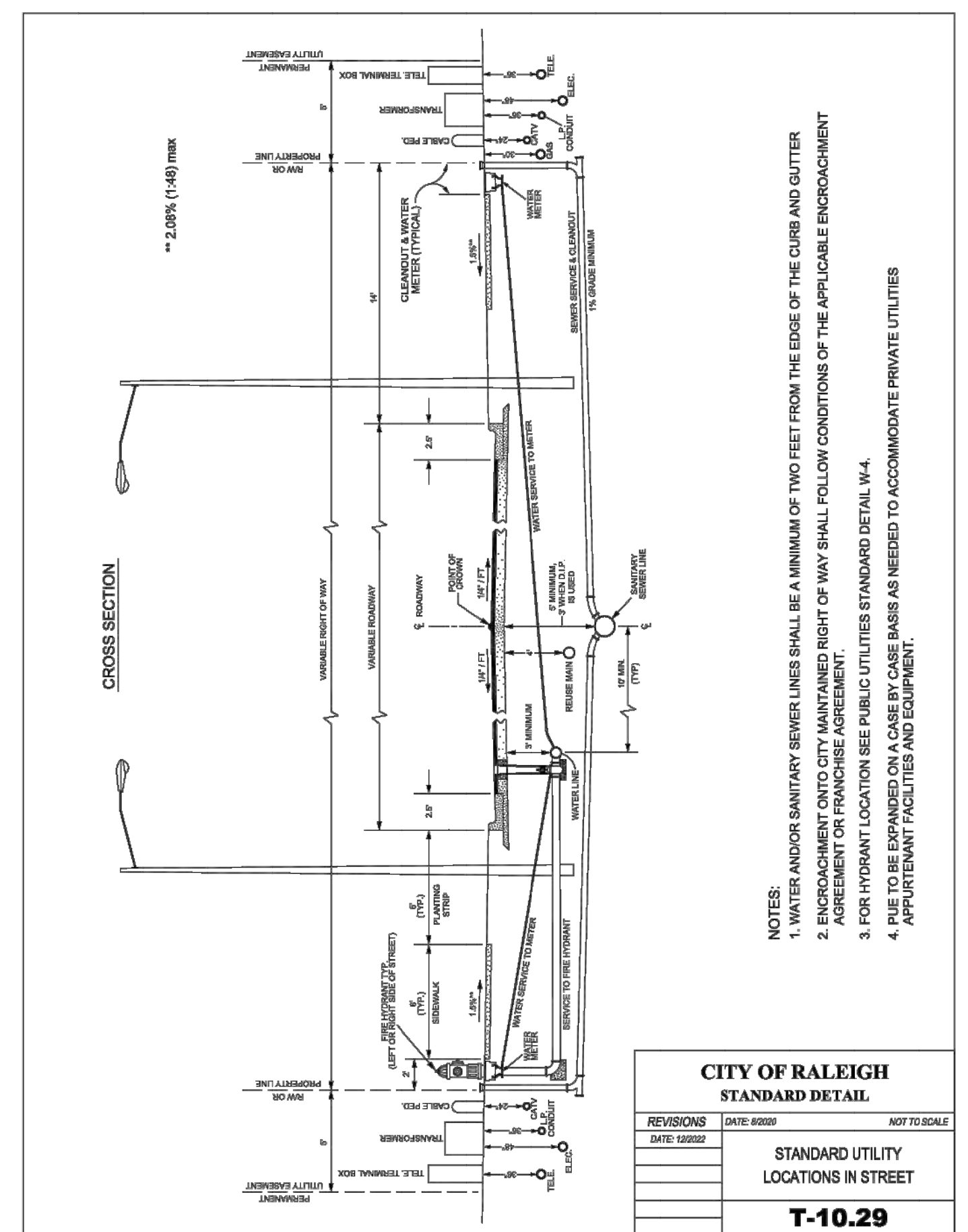
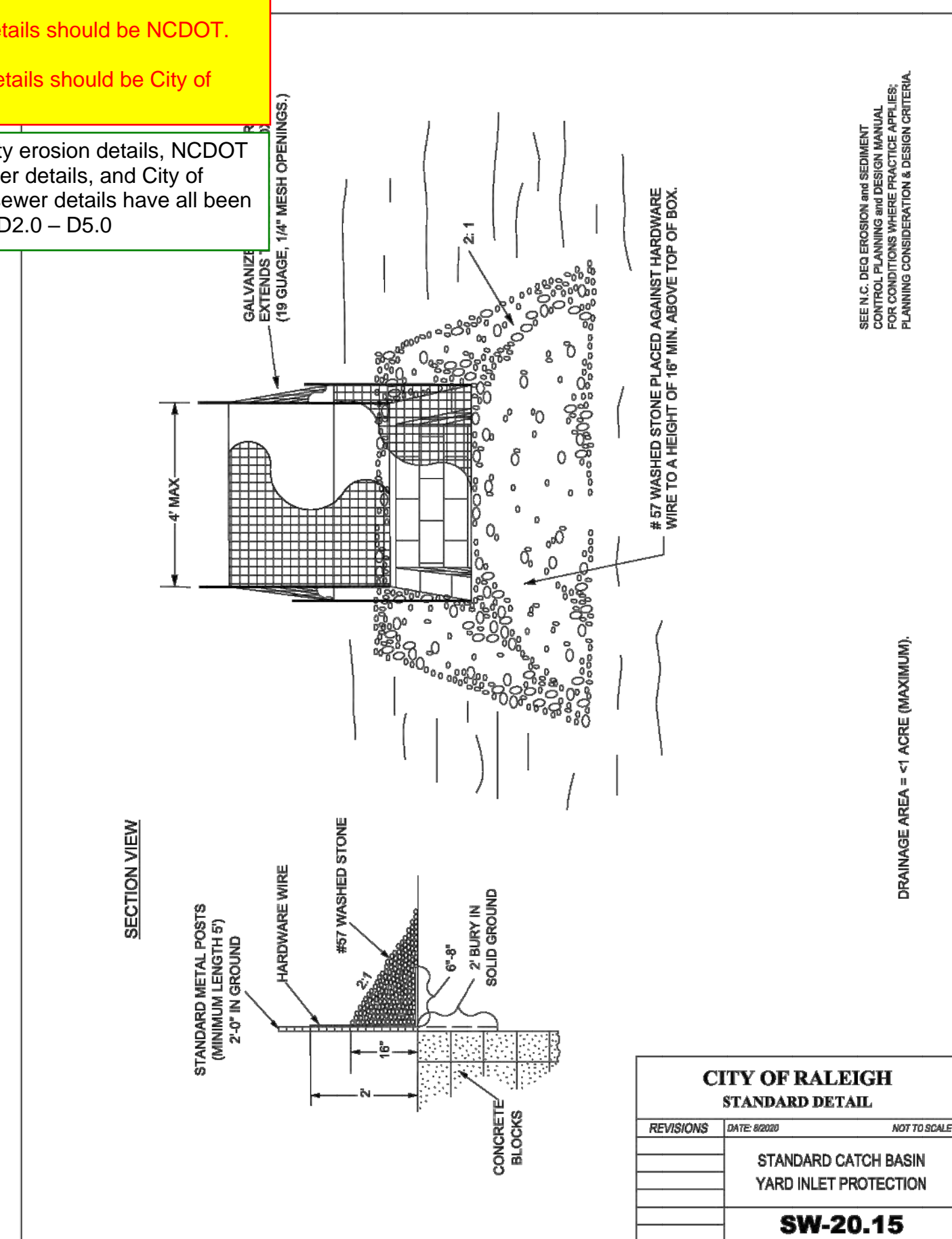
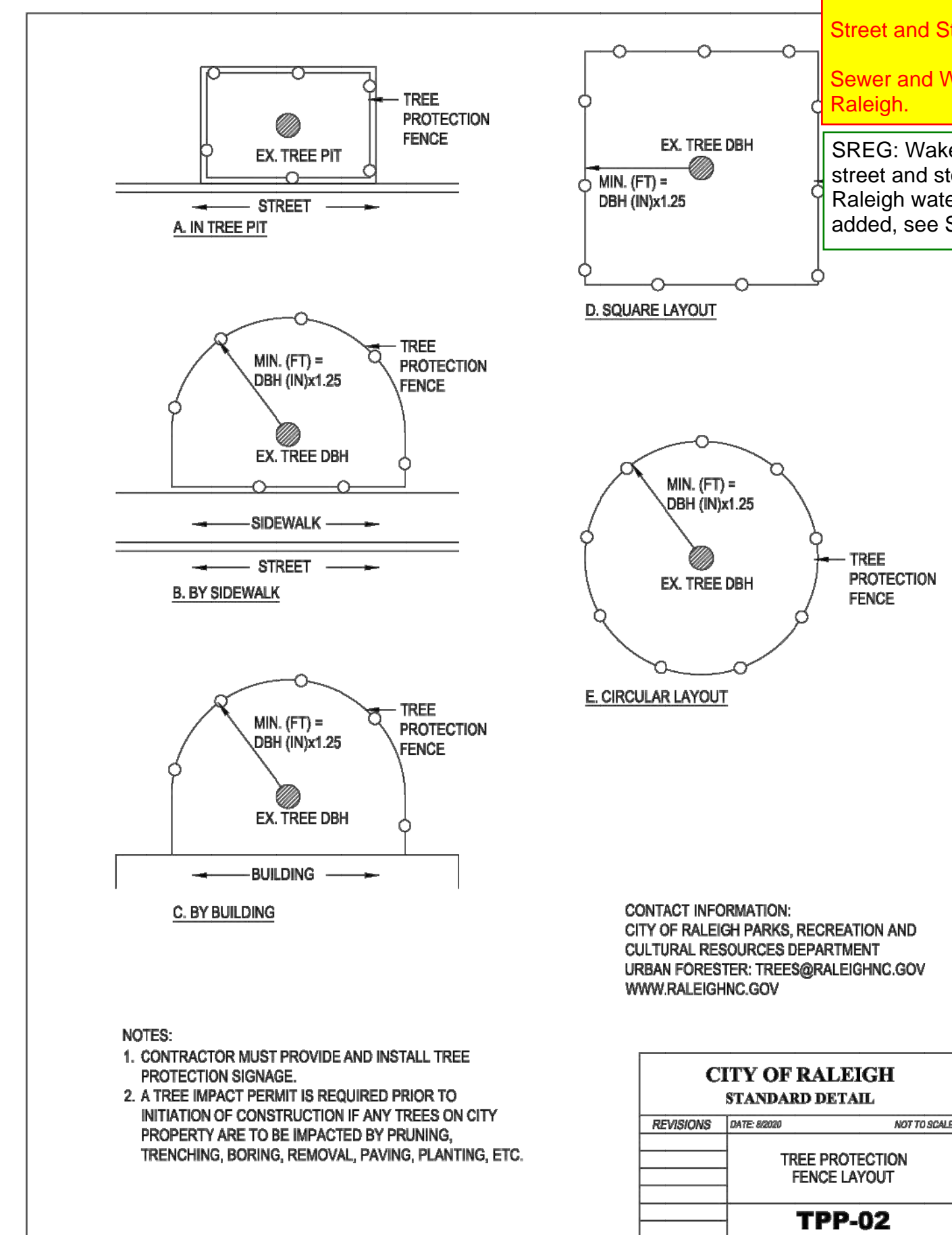
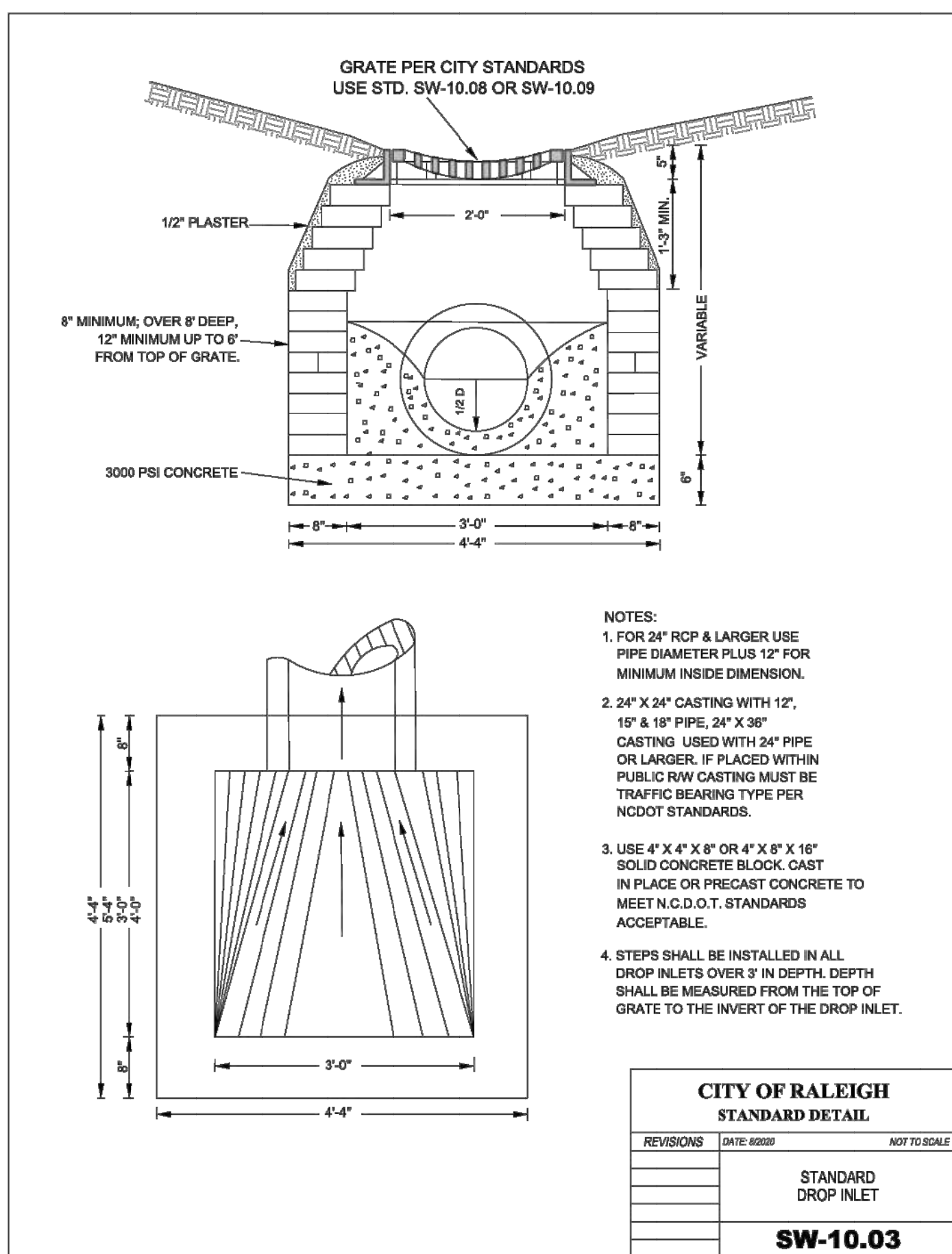
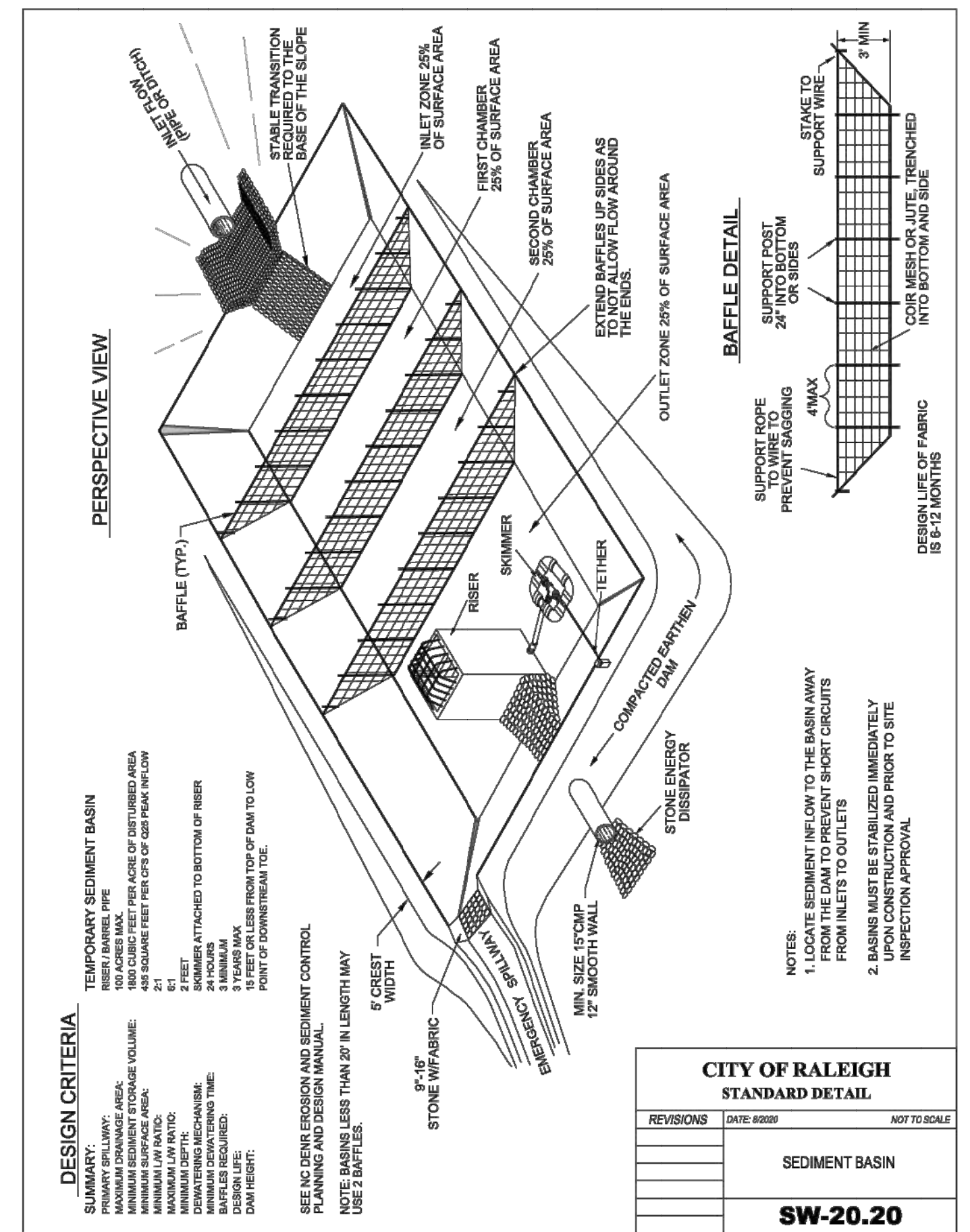
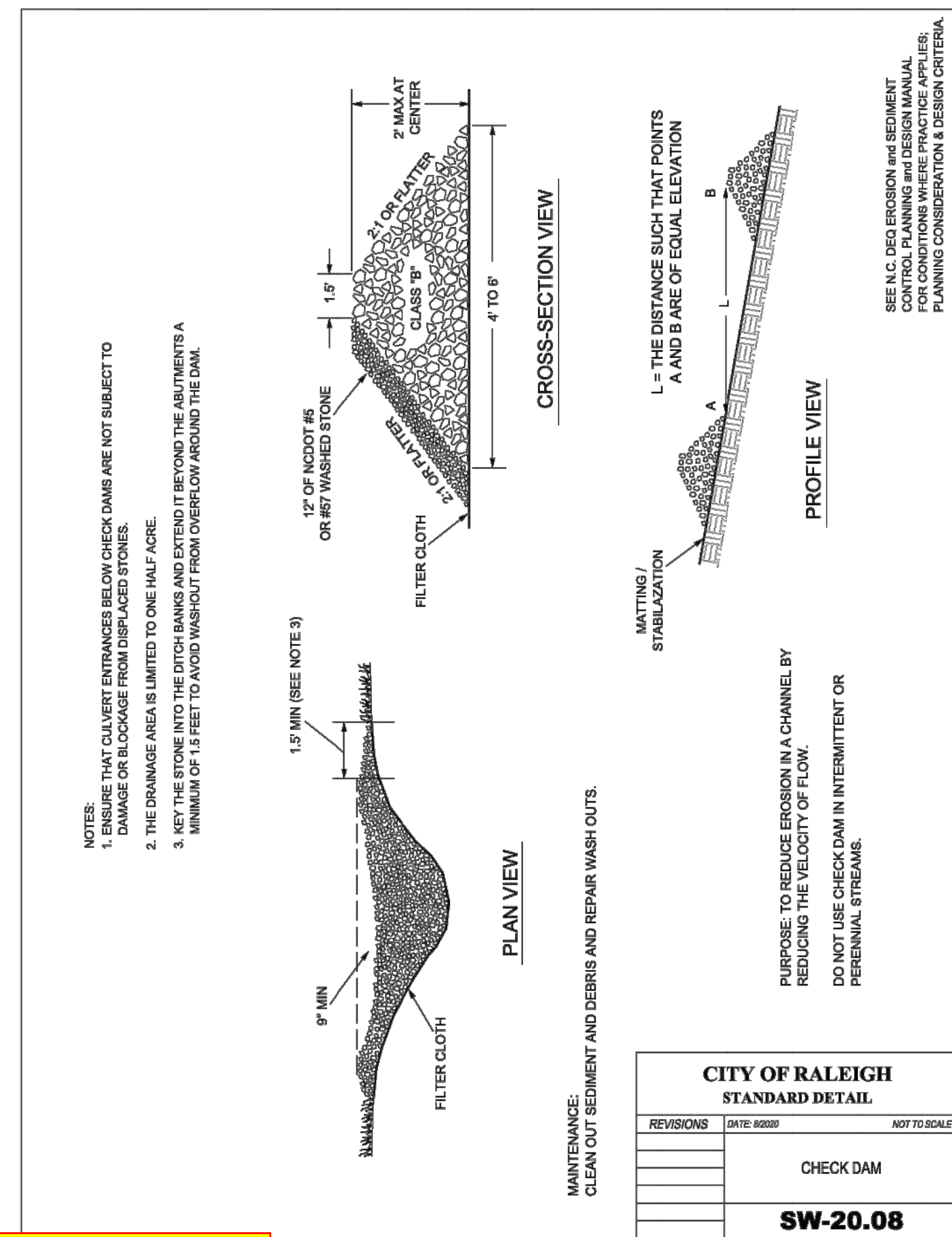
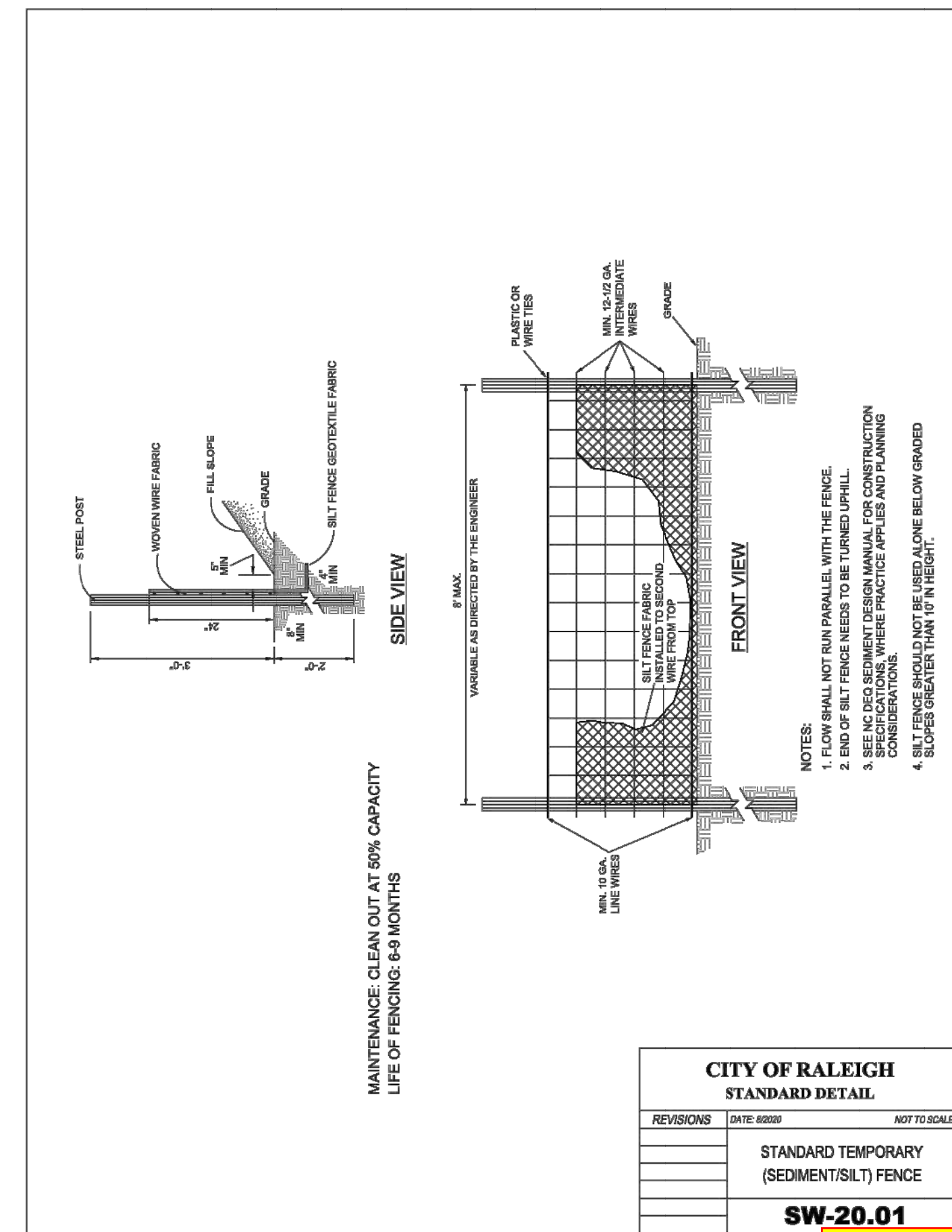
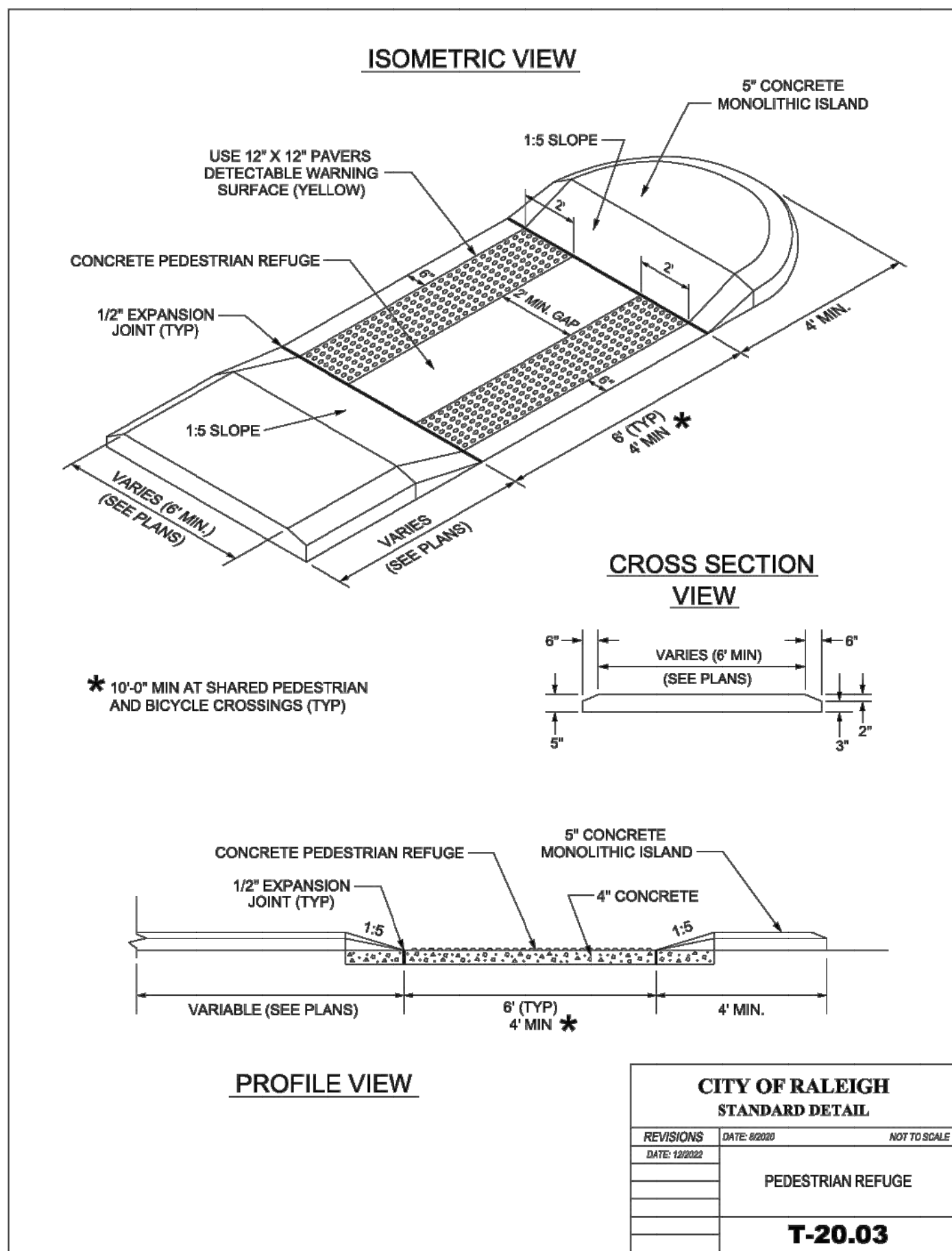


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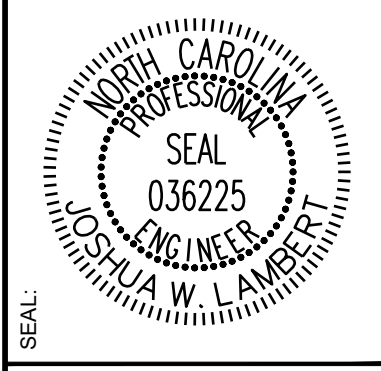
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE AS SHOWN	JWL	SRG	JWL
DESIGNED BY	DRAWN BY	CHECKED BY			

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



30. Erosion Control details should be Wake County  
 Street and Storm details should be NCDOT.  
 Sewer and Water details should be City of Raleigh.  
 SREG: Wake County erosion details, NCDOT street and stormwater details, and City of Raleigh water and sewer details have all been added, see Sheets D2.0 - D5.0

NO.	REVISIONS	DATE	BY

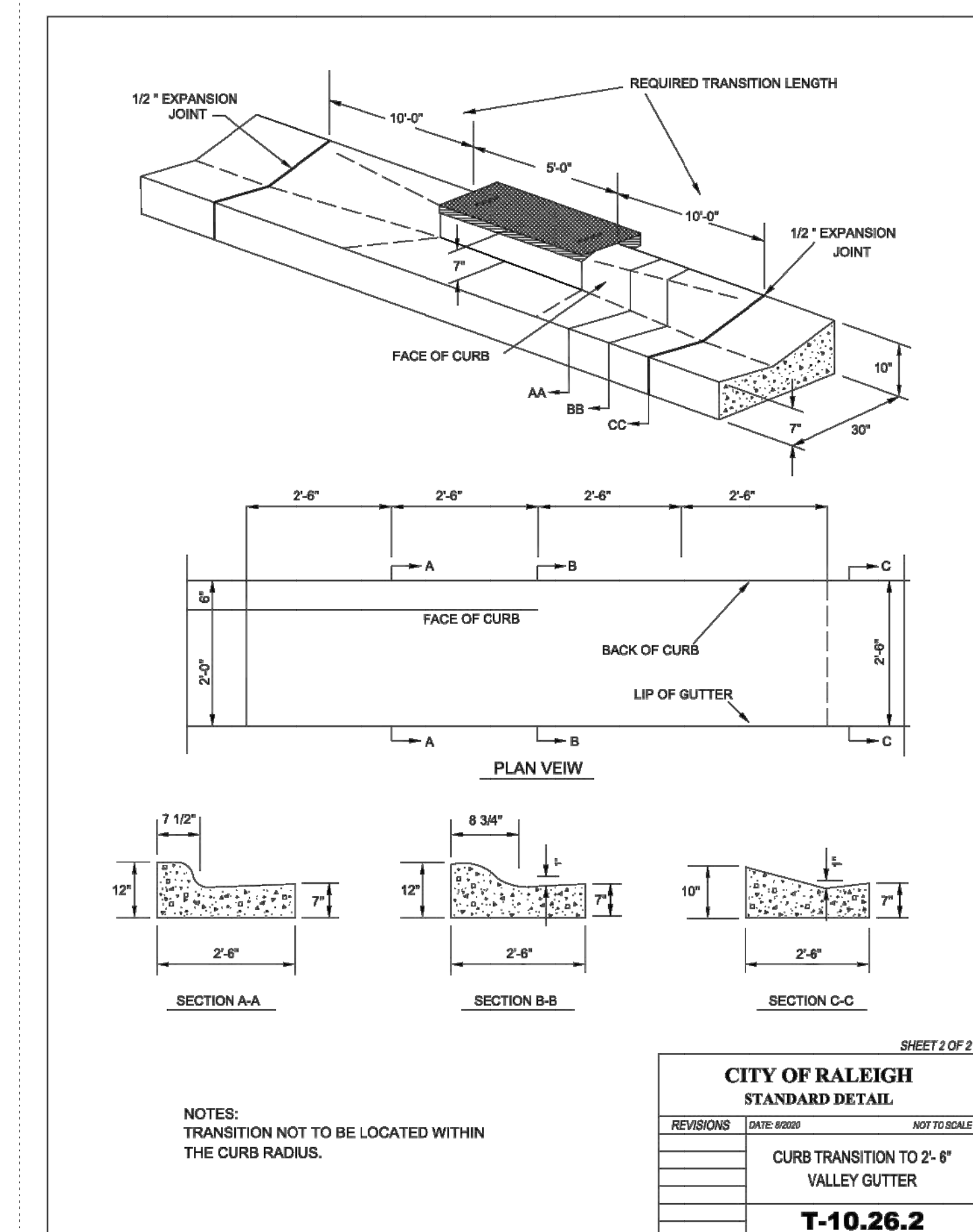
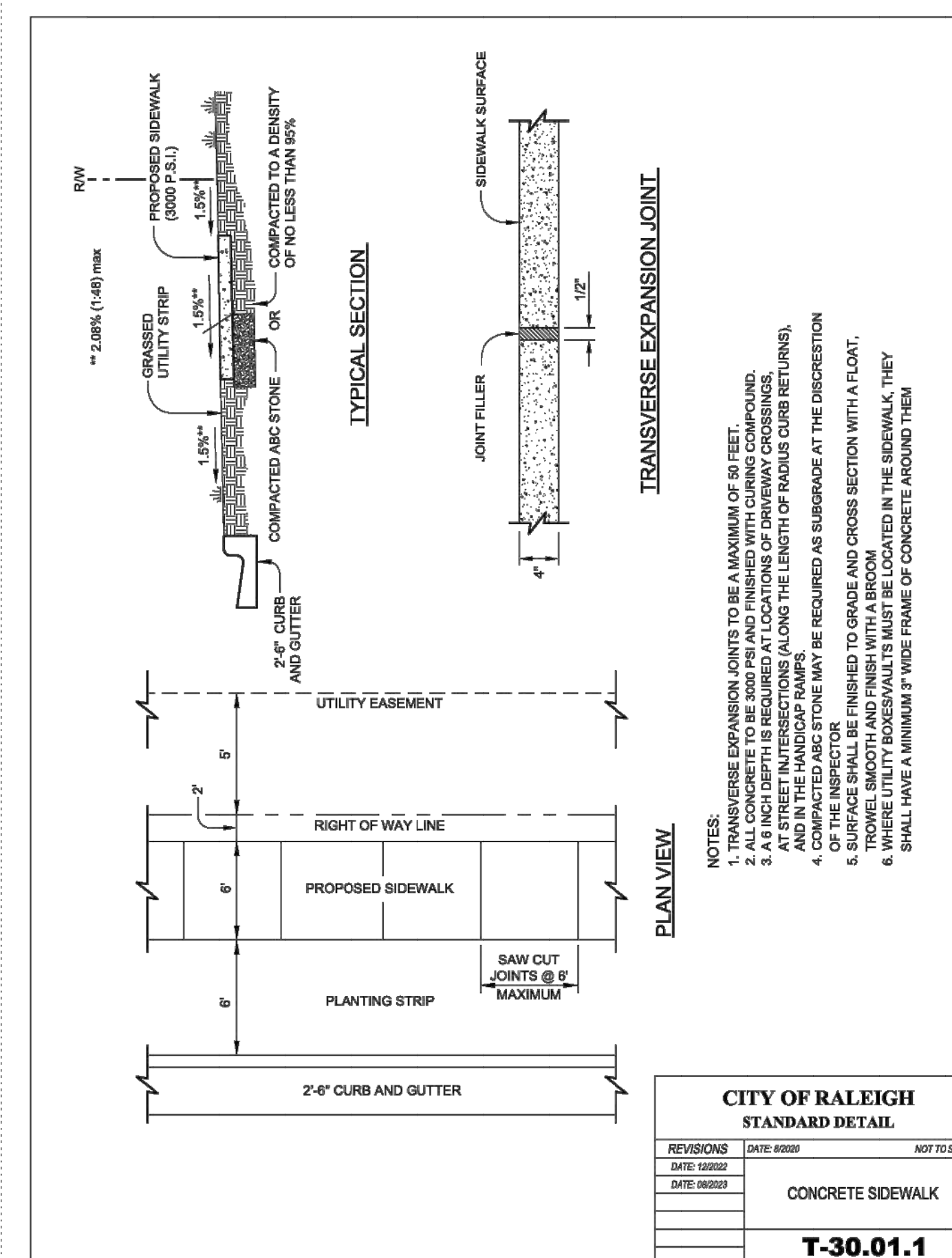
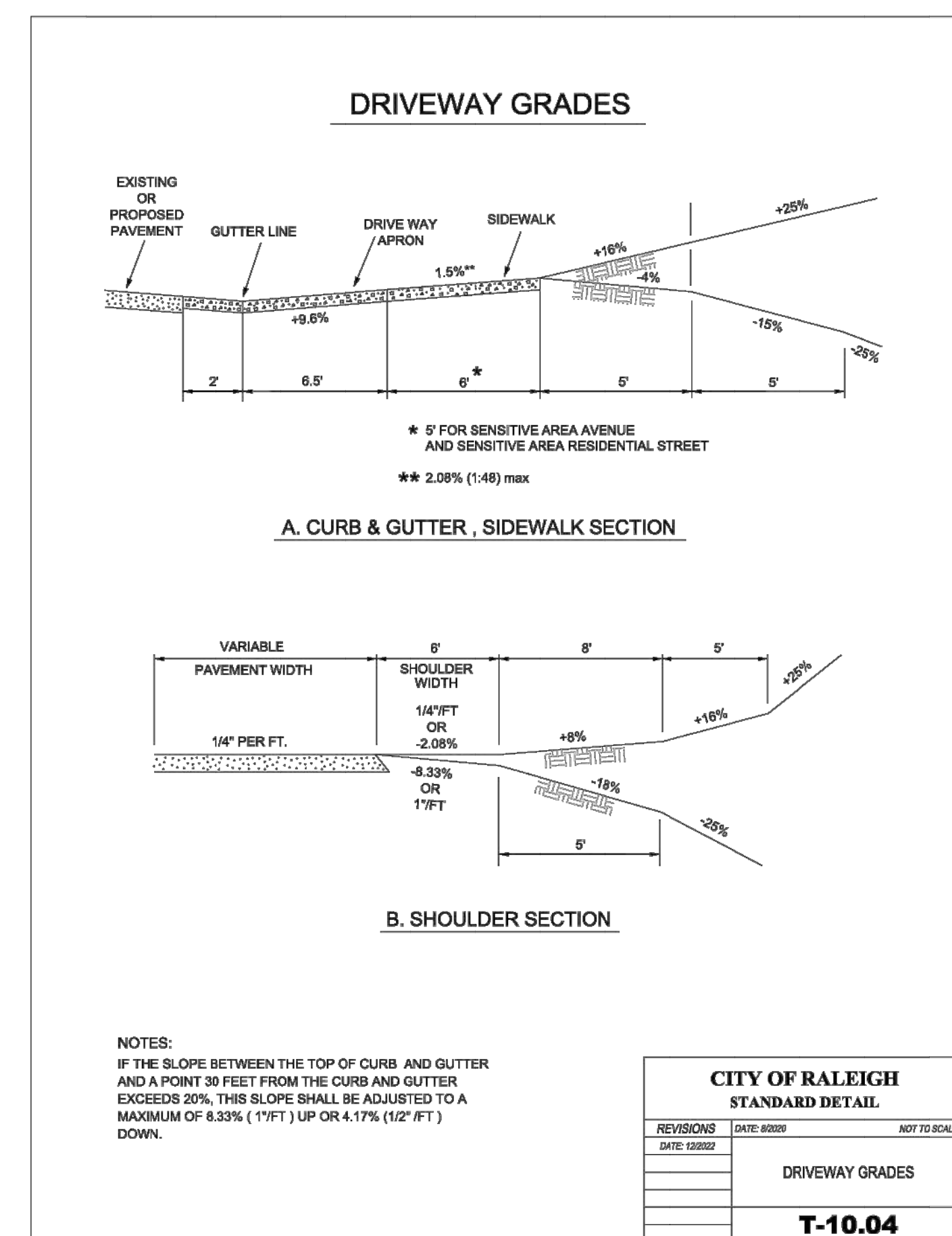
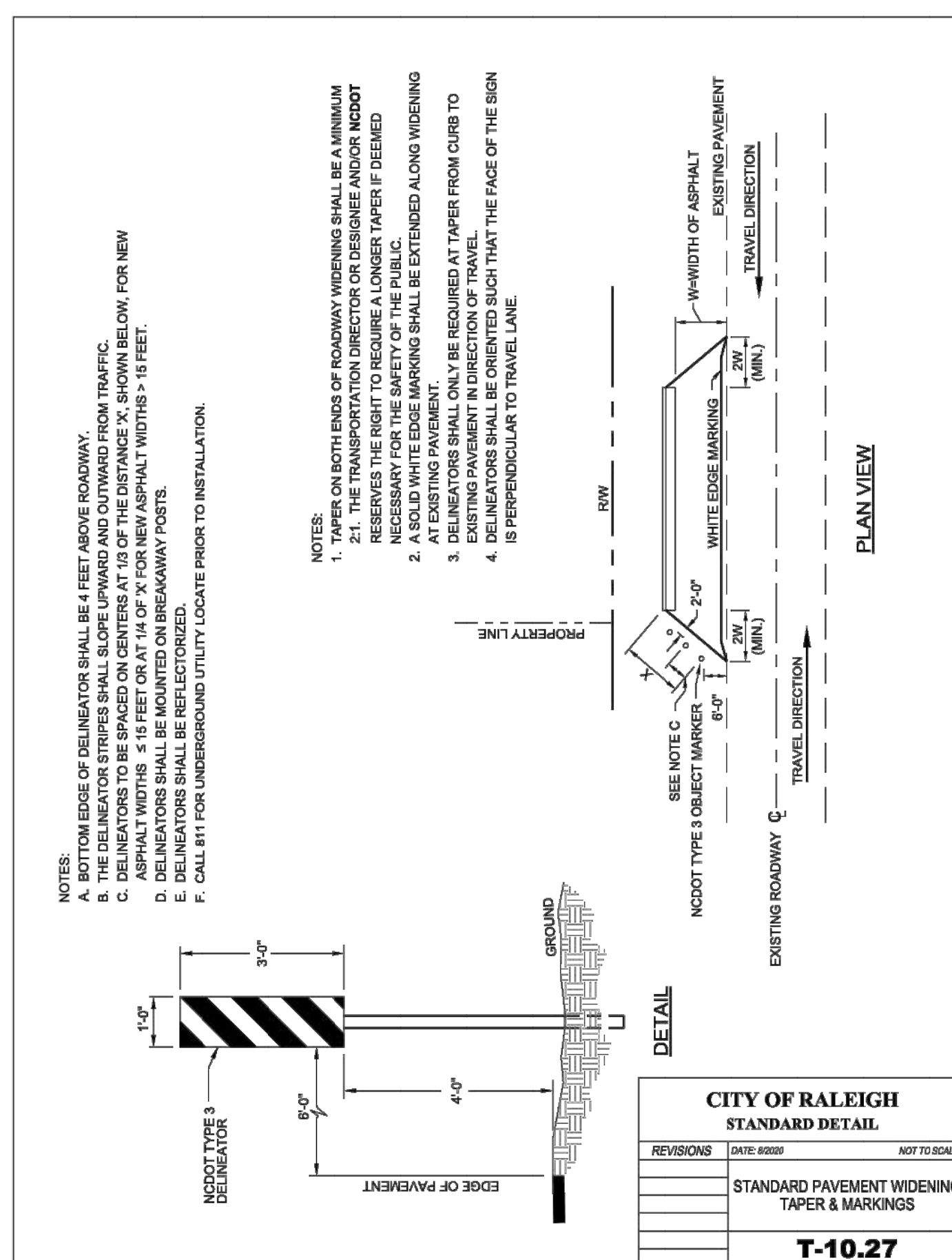
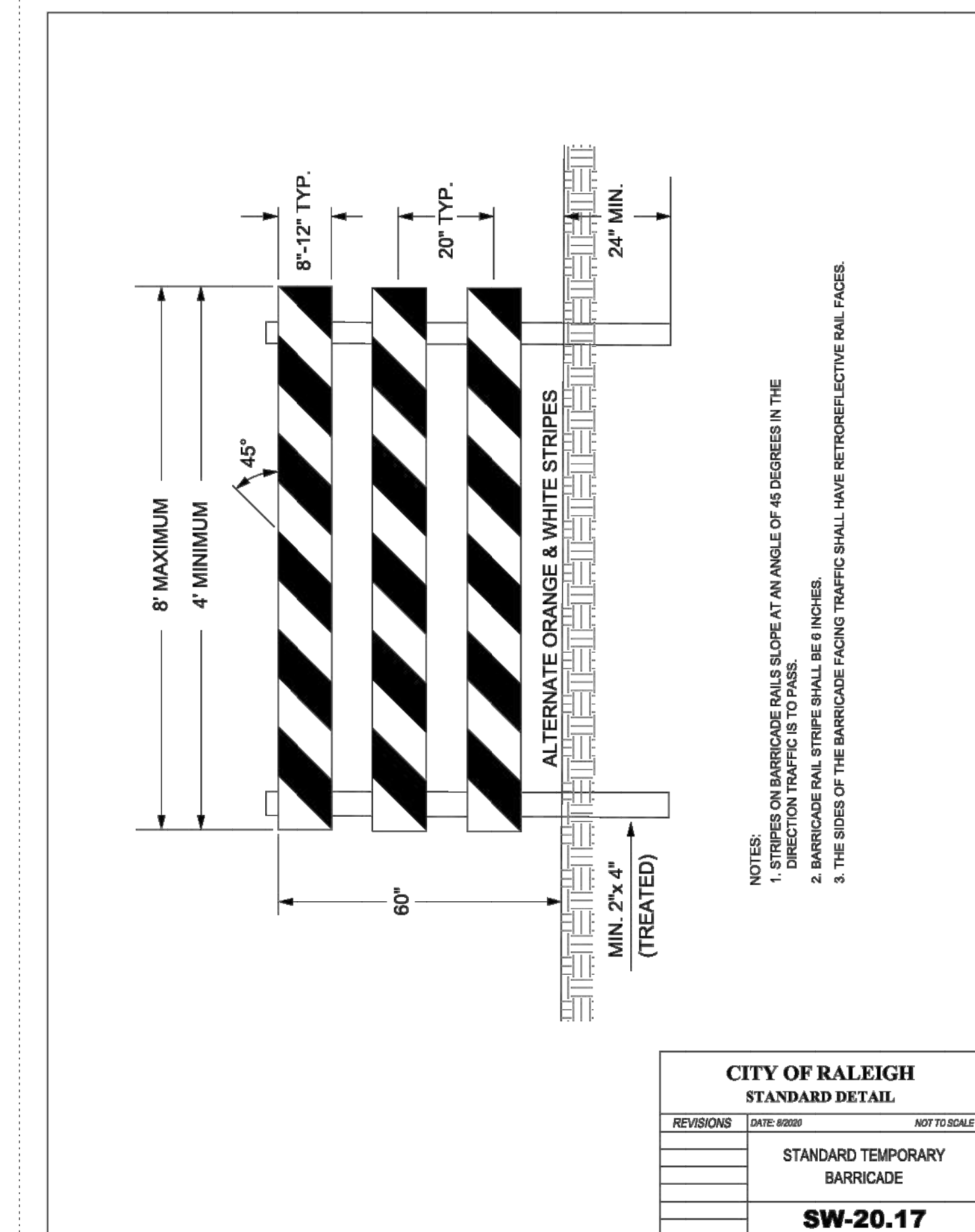
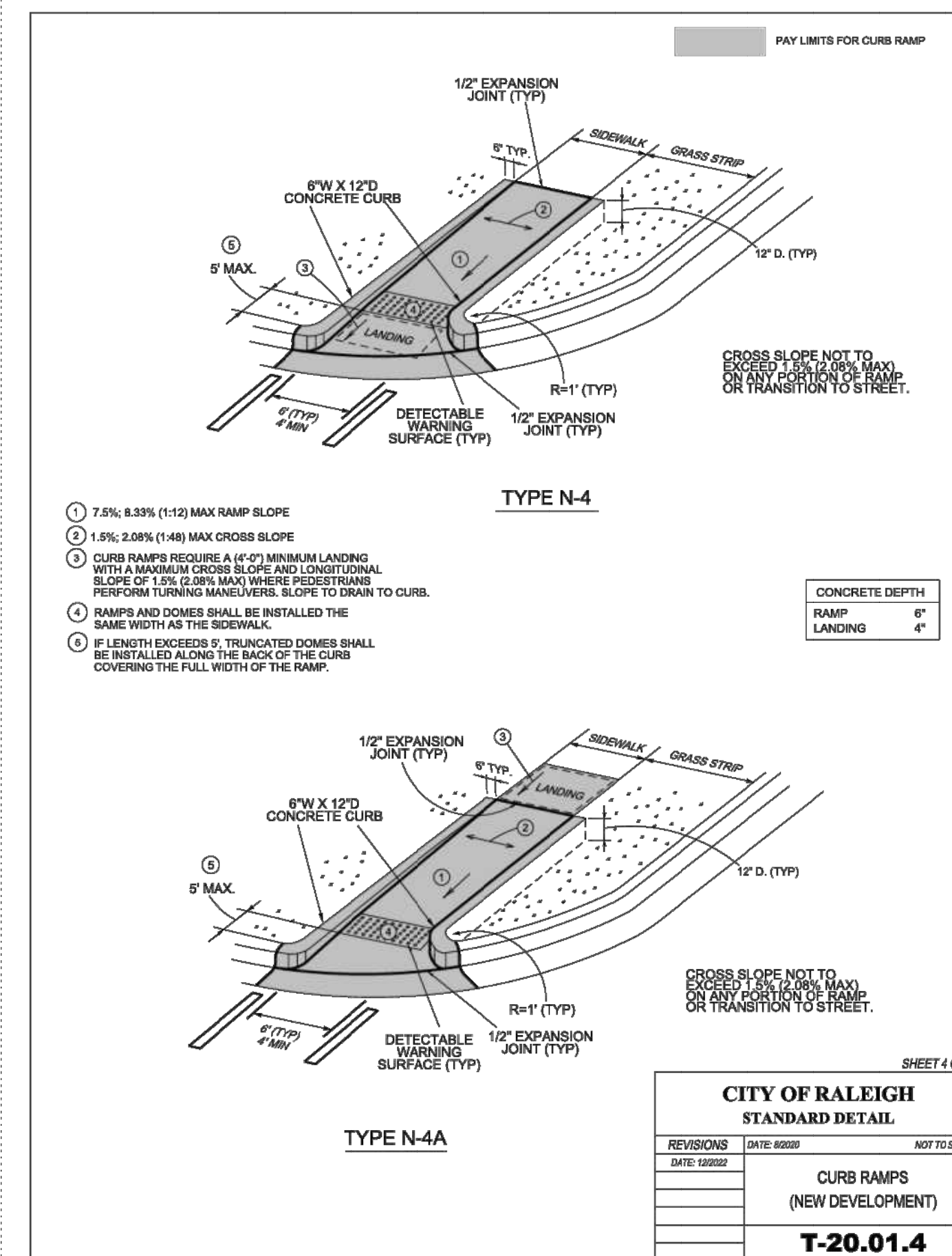
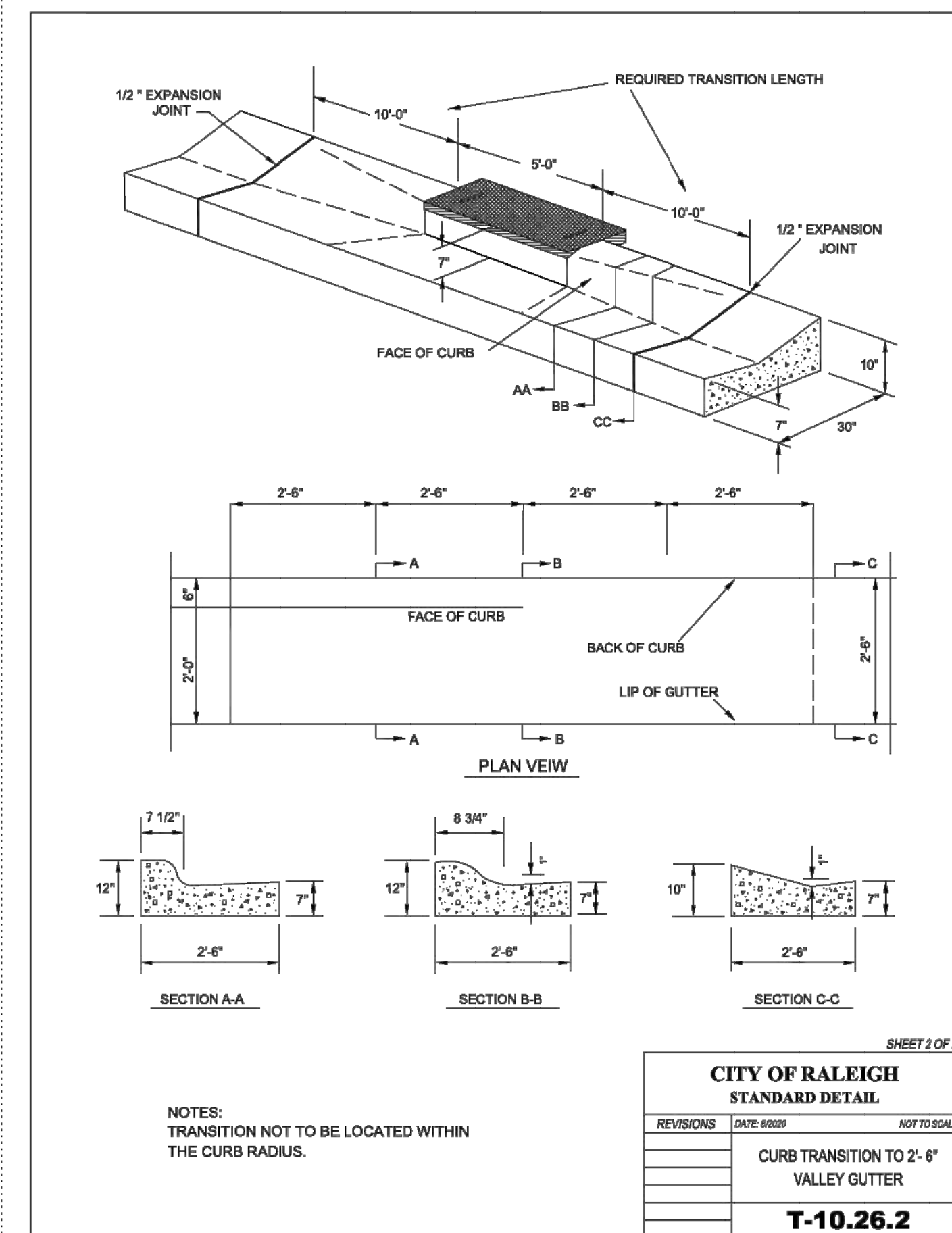
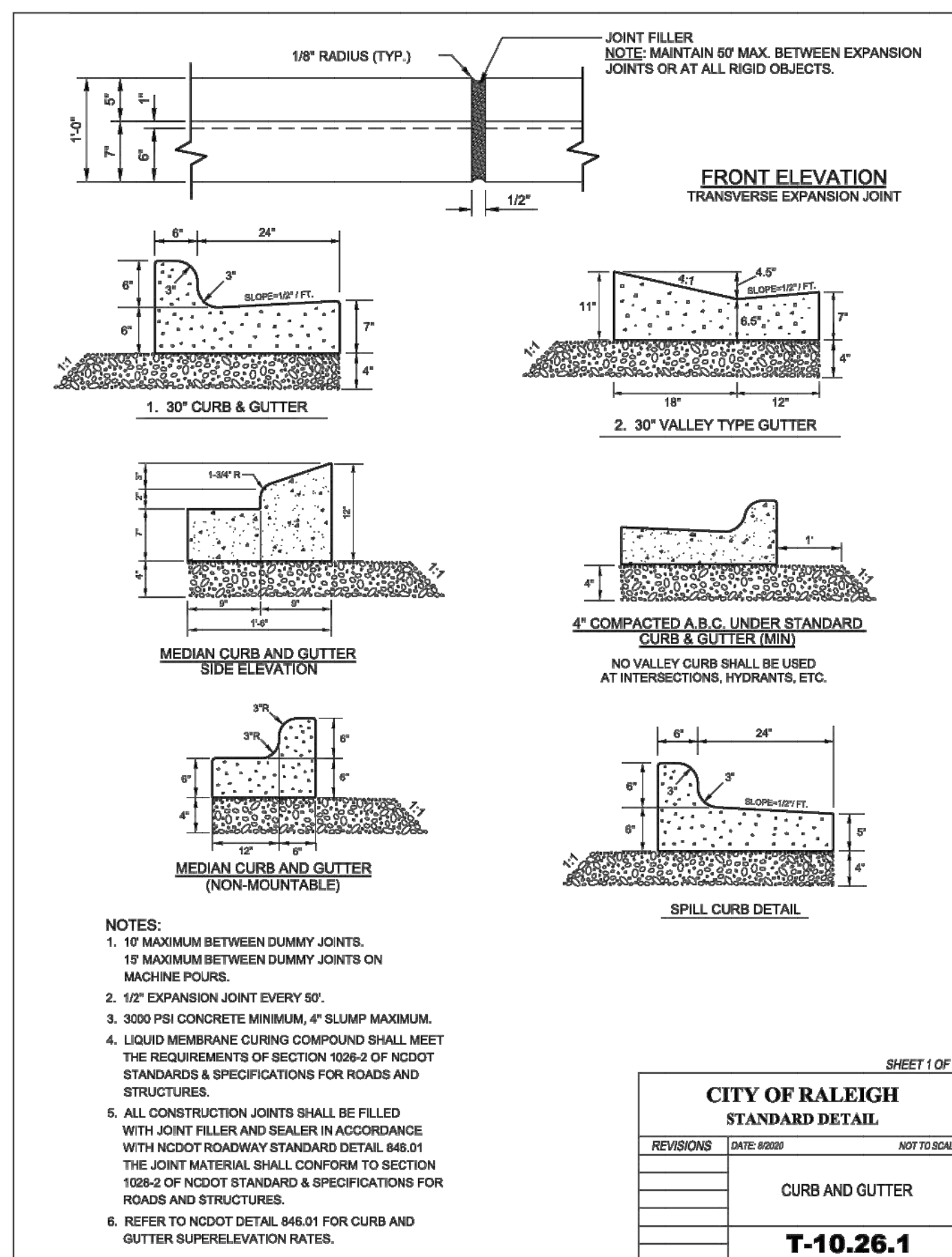


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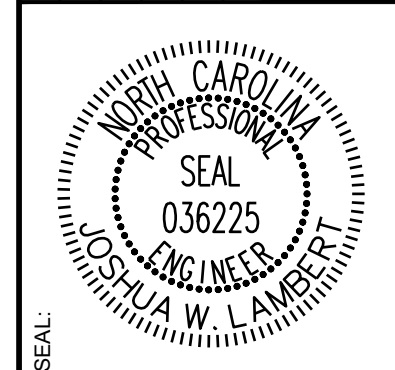
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION
SCALE	AS SHOWN
DESIGNED BY	JWL
DRAWN BY	SRG
CHECKED BY	JWL

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

DRAWING SHEET  
**D-1.1**



NO.	REVISIONS	DATE	BY



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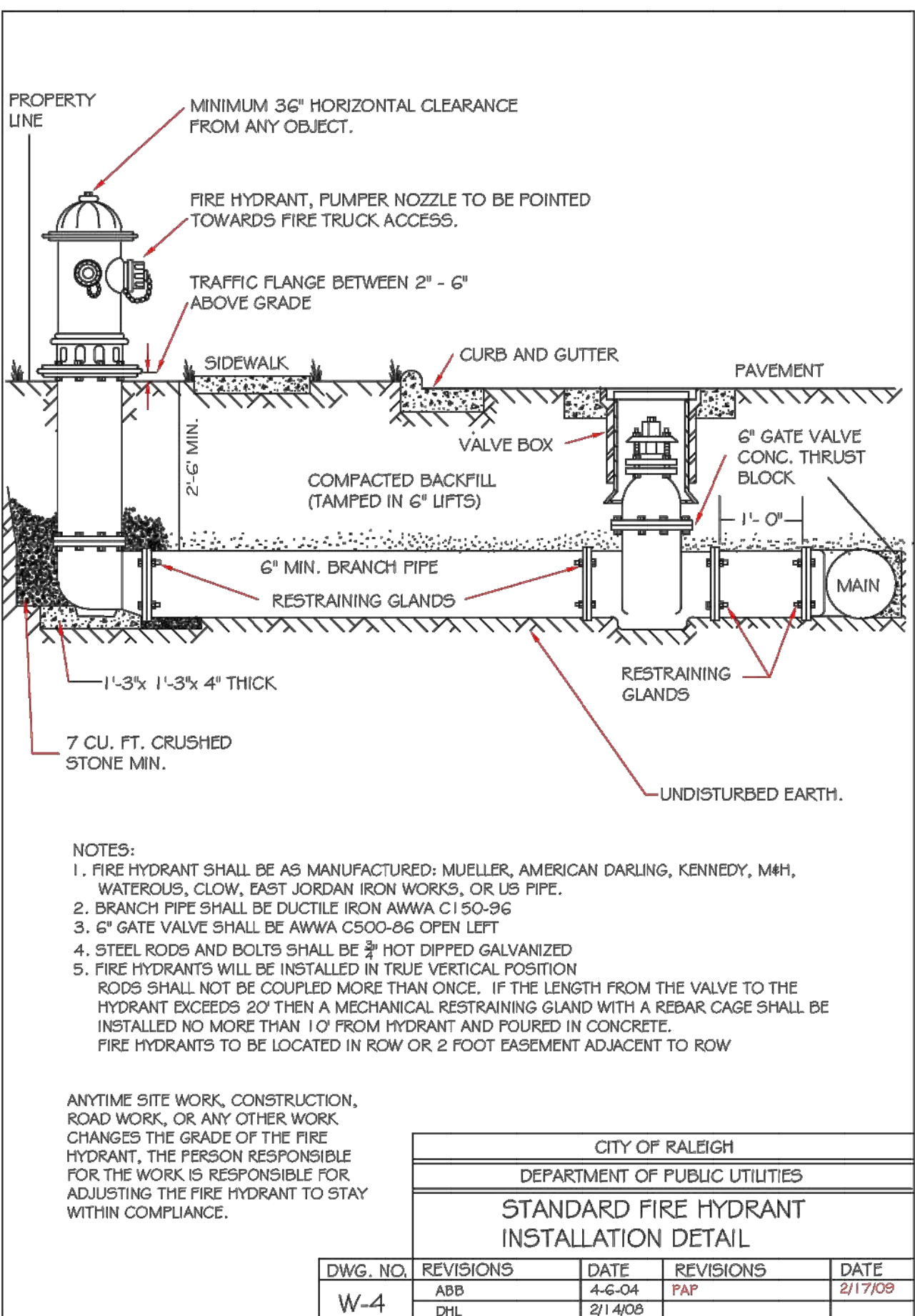
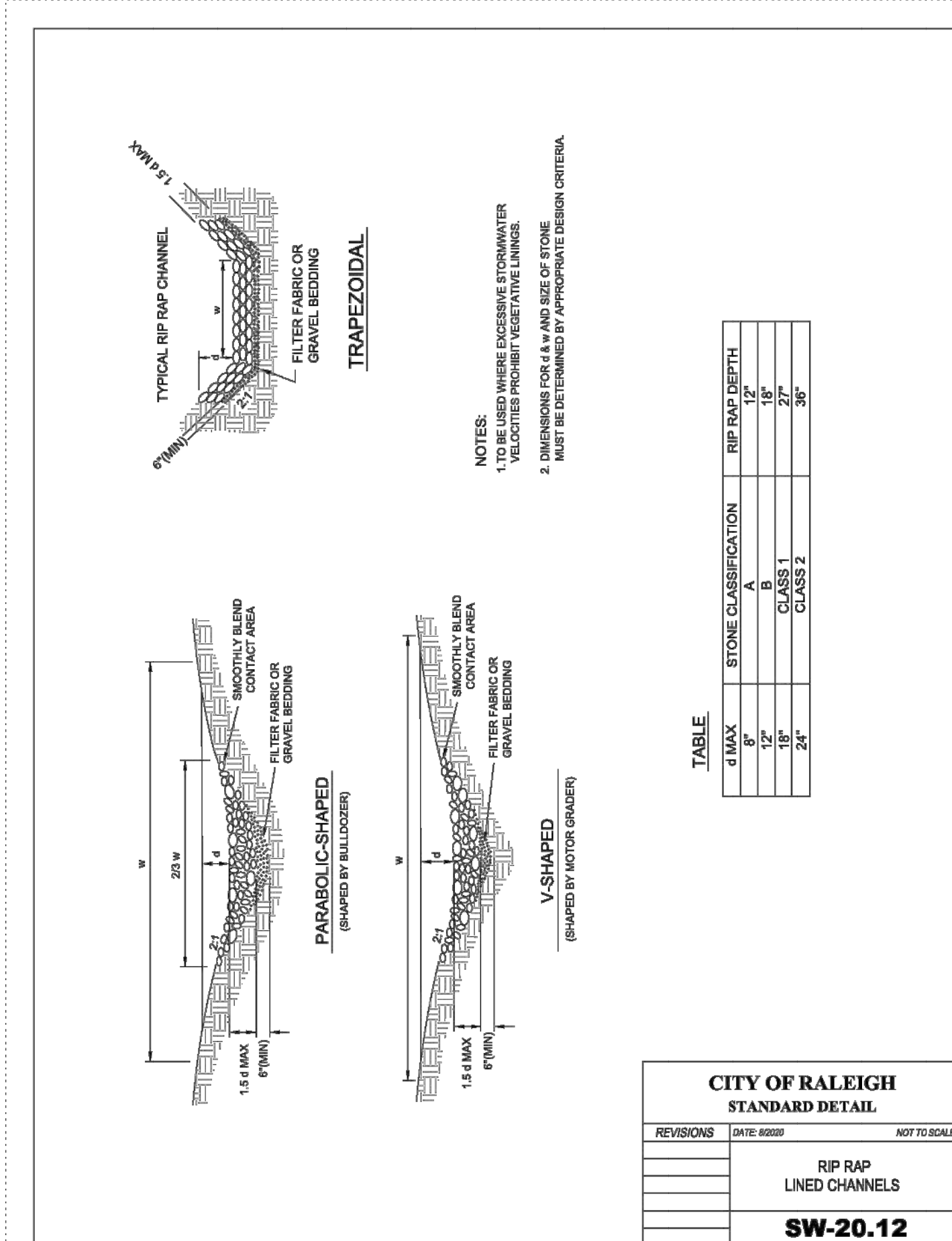
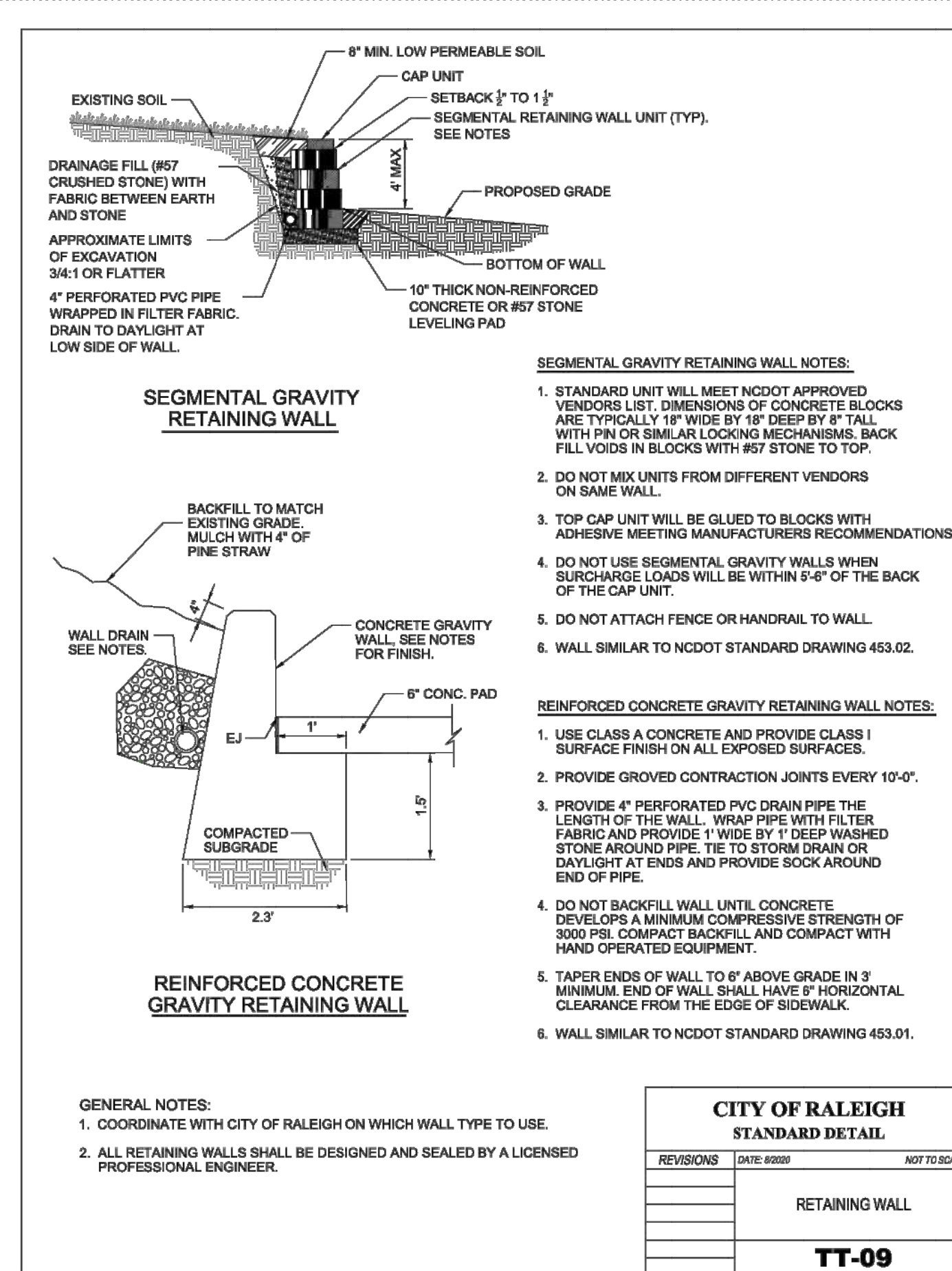
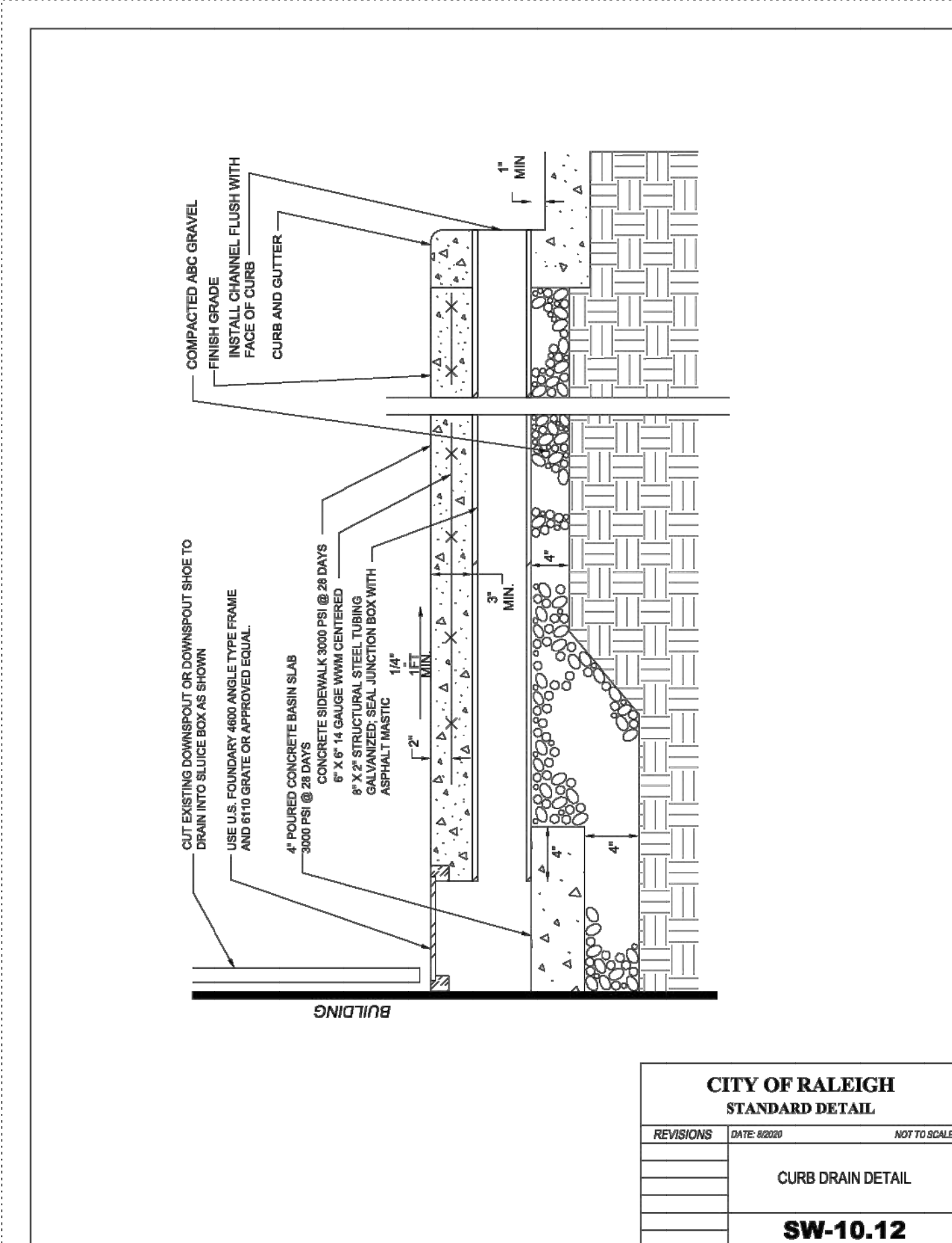
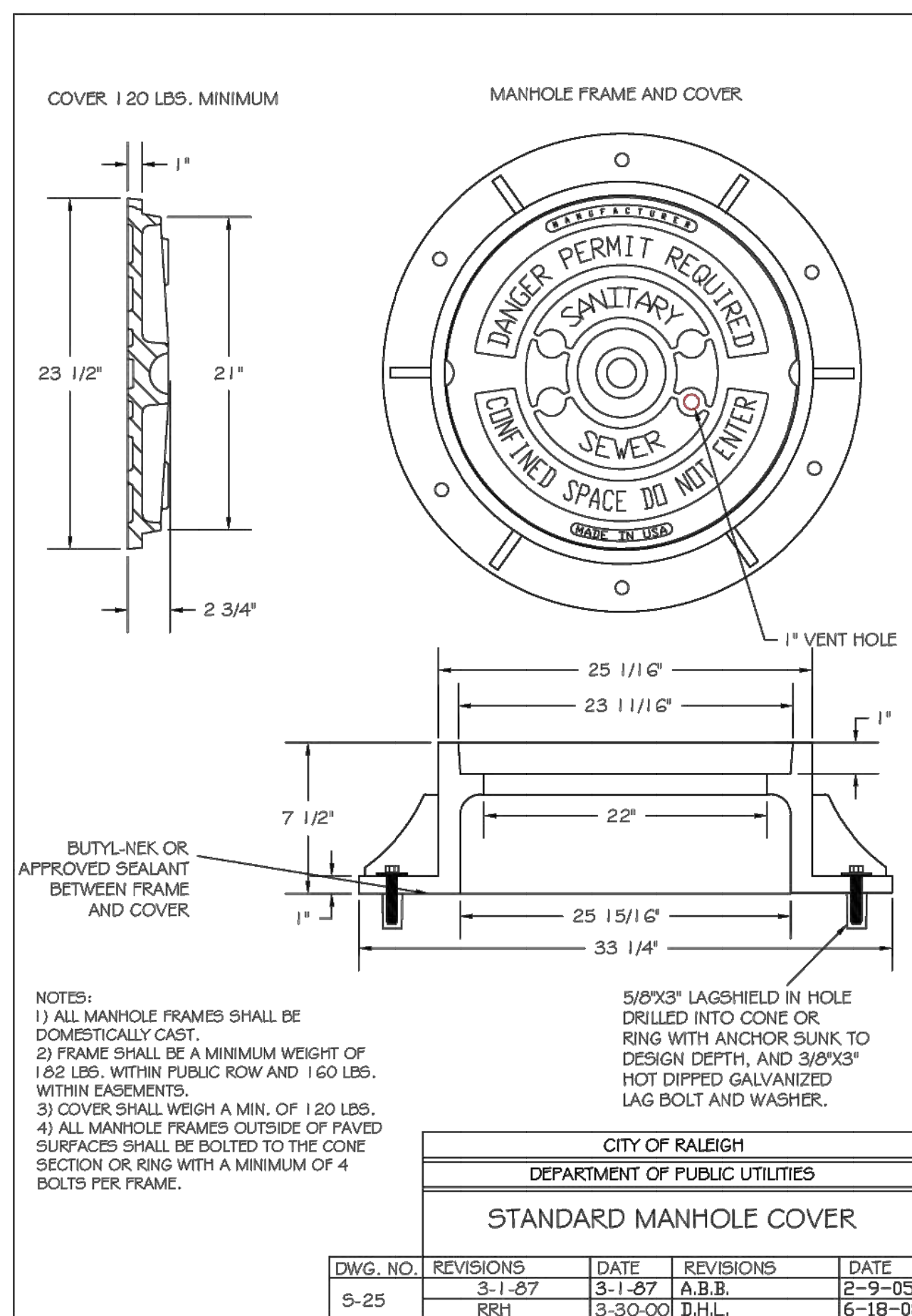
**HILLS AT HARRIS CREEK**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

**CONSTRUCTION PLANS**

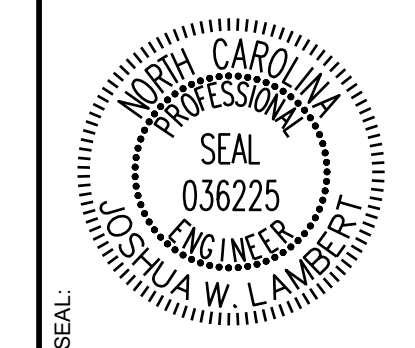
**SITE DETAILS**

DRAWING SHEET

**D-1.2**



NO.	REVISIONS	DATE	BY



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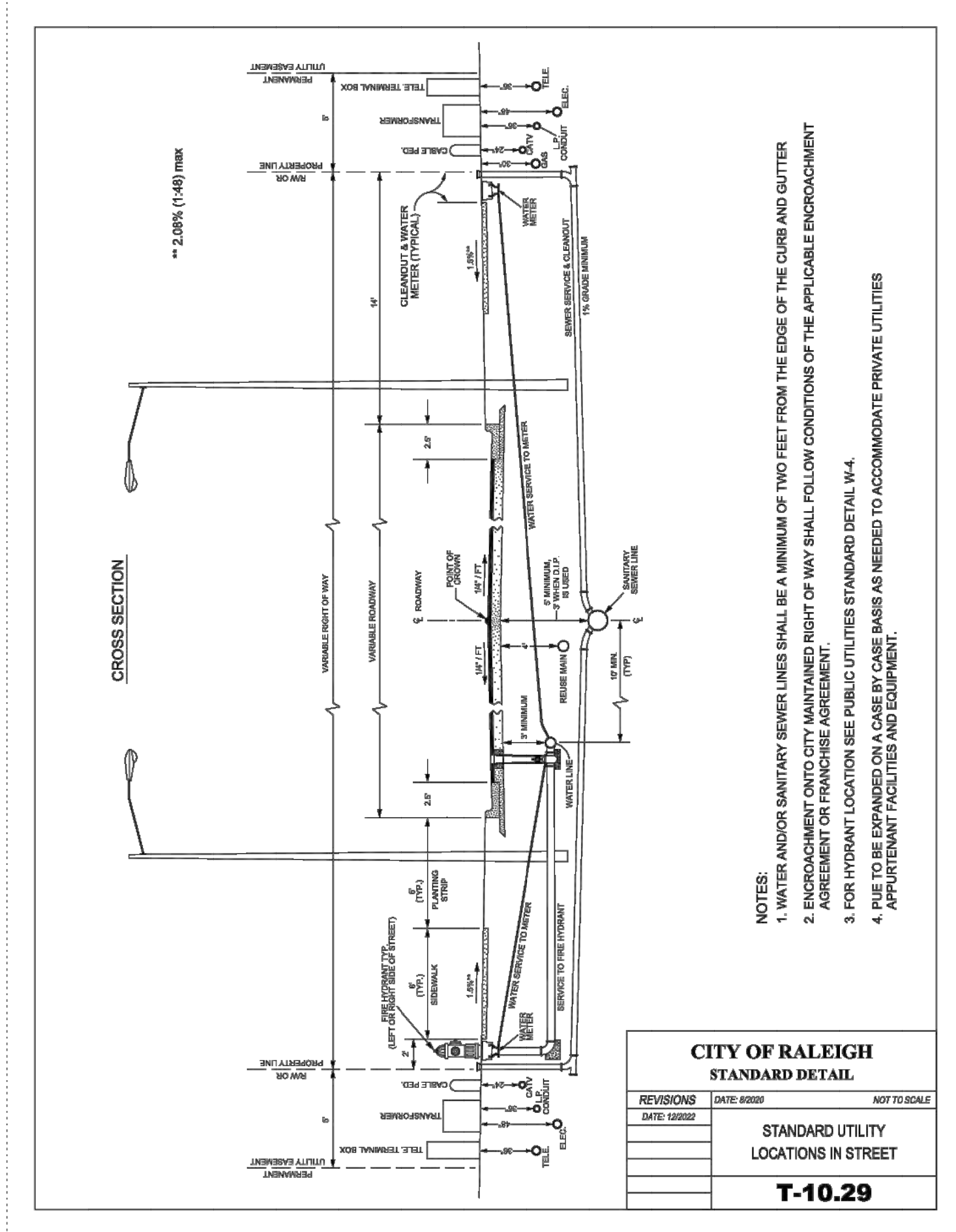
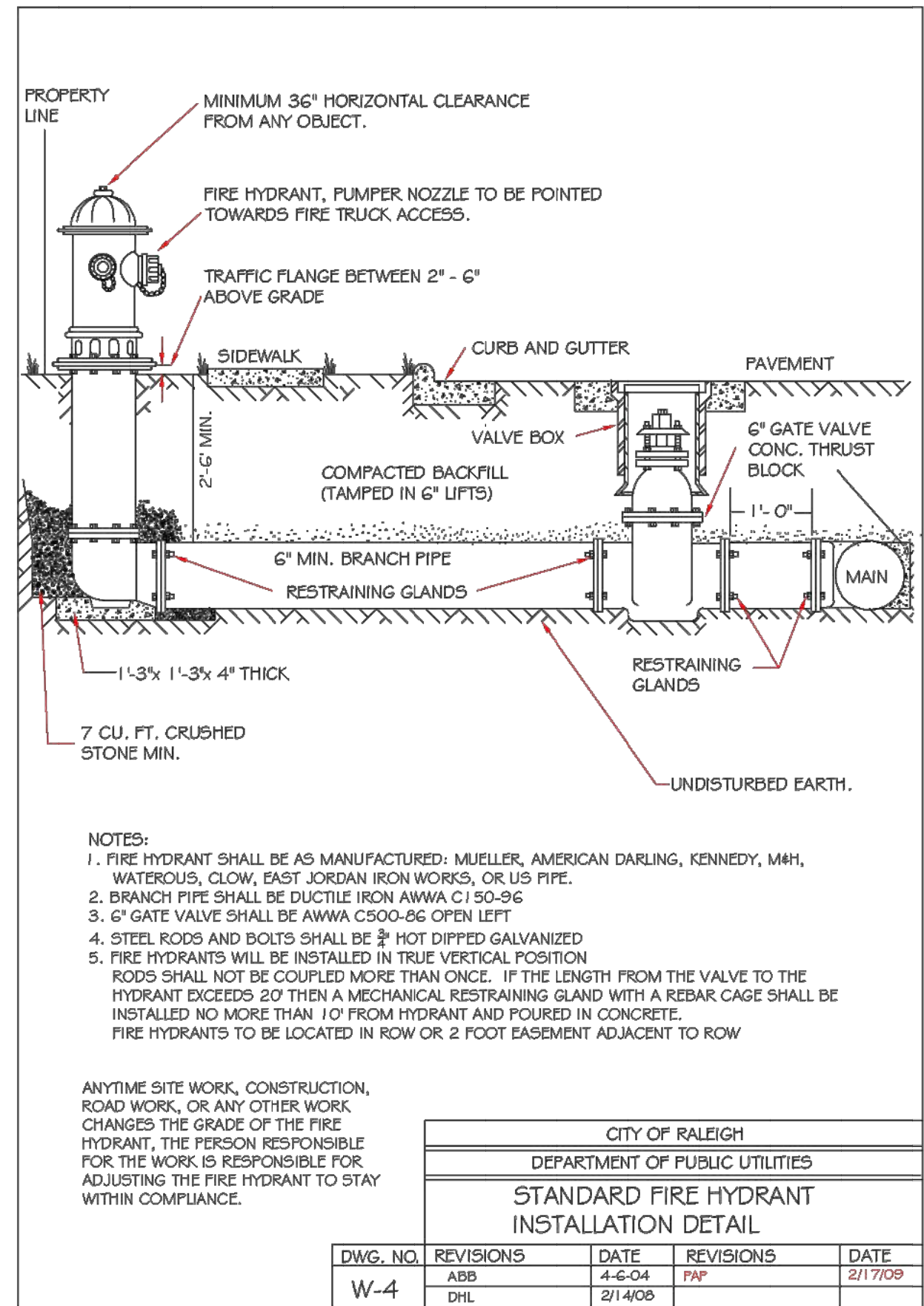
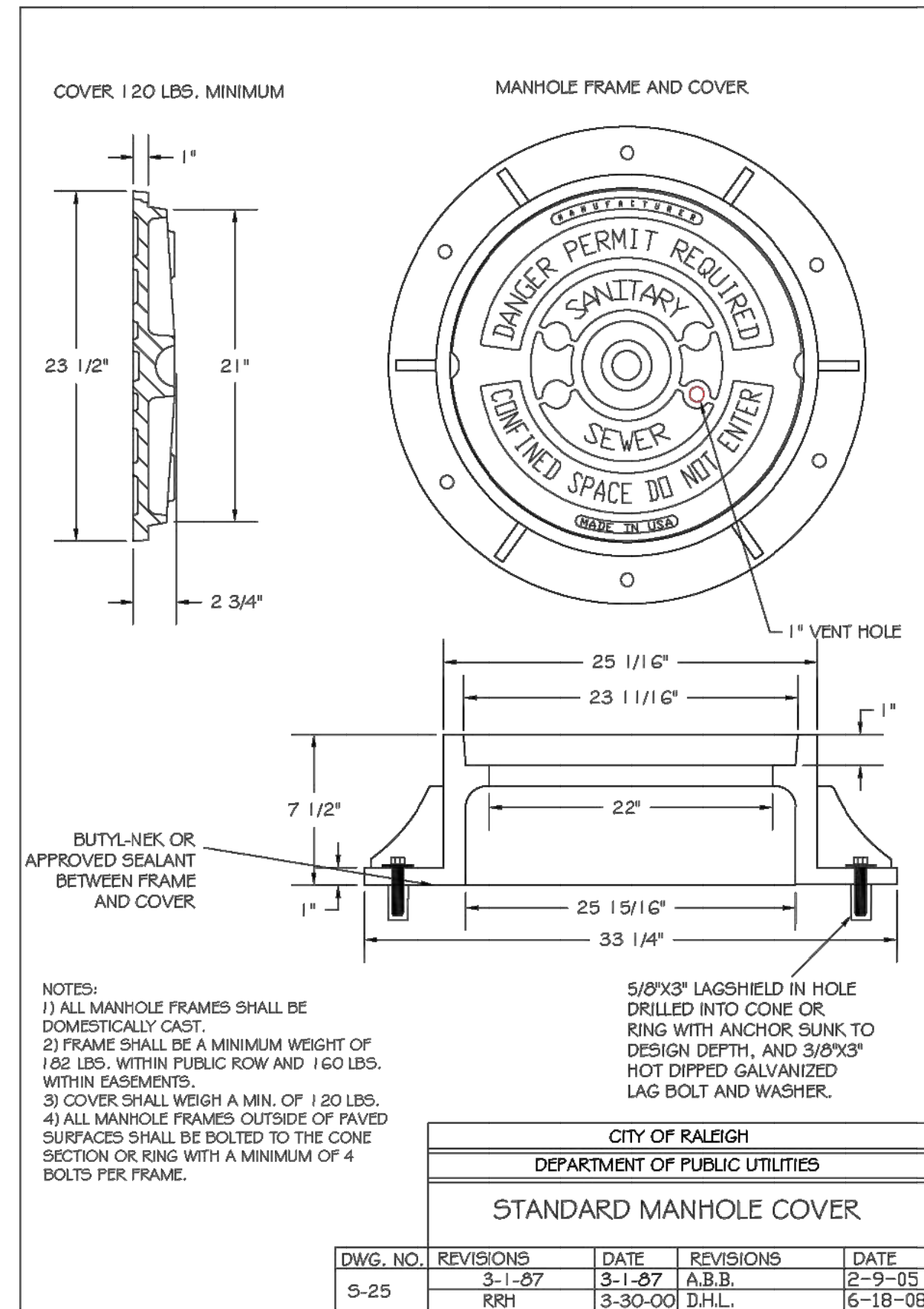
STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2166  
305 CHURCH AT NORTH HILLS STREET, SUITE 1110 RALEIGH, NC 27609 | INFORMATION@STRONGROCKGROUP.COM

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

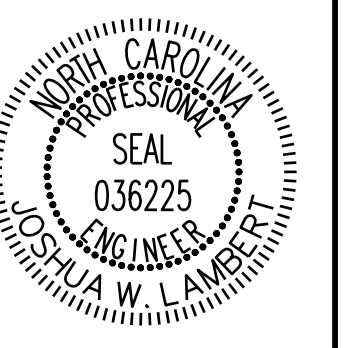
HILLS AT HARRIS CREEK  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
CONSTRUCTION PLANS  
**SITE DETAILS**

DRAWING SHEET  
**D-1.3**





No.	REVISIONS	DATE	BY



**STRONGROCK**  
ENGINEERING GROUP

STRONG ROCK ENGINEERING GROUP, PLLC | COMPANY LICENSE # P-2766  
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**HILLS AT HARRIS CREEK**  
TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA  
**CONSTRUCTION PLANS**  
**SANITARY SEWER & WATER**  
**DETAILS**

**DRAWING SHEET**

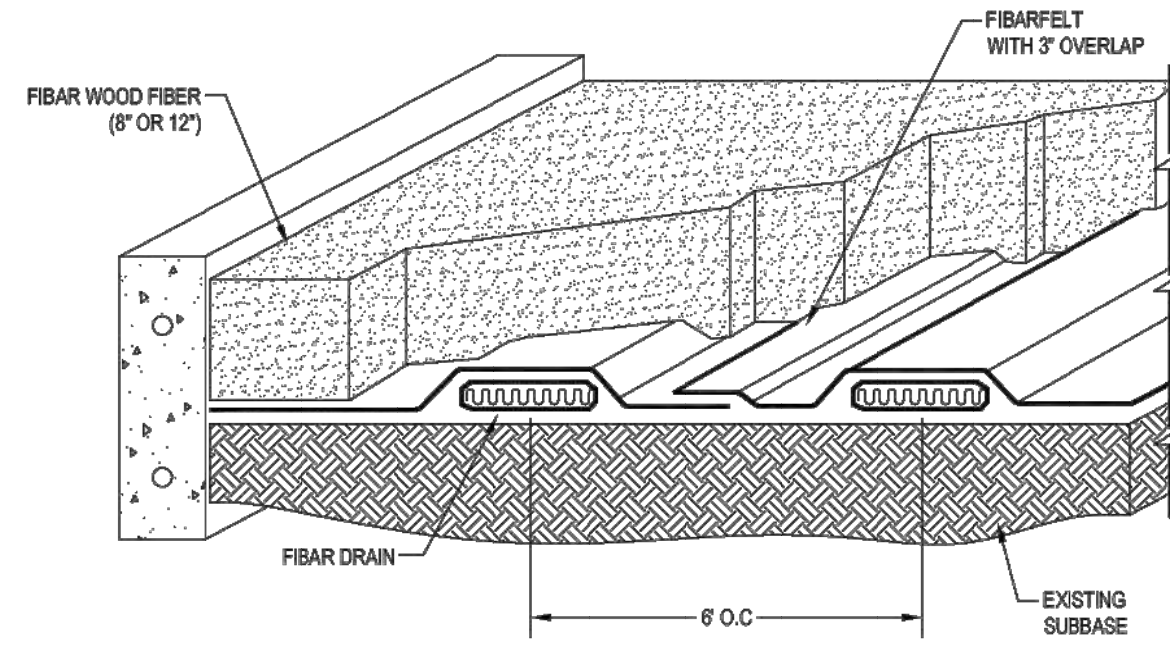
**D-2.0**

**84 OF 88**





THE FIBAR GROUP LLC  
80 BUSINESS PARK DRIVE, SUITE 300  
ARMONK, NY 10504  
TOLL FREE: 1-800-342-2721  
PHONE: (914) 273-8770  
FAX: (914) 273-8659  
www.fibar.com



- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. DO NOT SCALE DRAWING.
  3. 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.
  4. 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.
  5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 312-005

**1** ENGINEERED WOOD FIBER PLAYGROUND SAFETY SURFACING  
D-4.0 SYSTEM 300, N.T.S.

312-005 REVISION DATE 21/06/2024  
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Costa Mesa



Meets National Standards for: ✓ ASTM F1487-17 ✓ CPS Guidelines # 325

**Product Description**

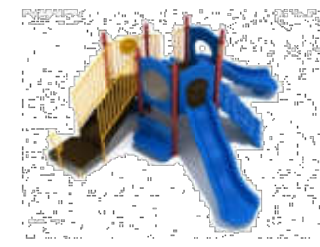
Vibrant, Compact, Creative. The Costa Mesa play structure transforms your playground into an imaginative grove for children to climb and explore. This delightful burrow features two climbers: a Number Climber, with a math-focused aesthetic, and a Sea Creature Climber, complete with musical footbeds. The playset also boasts a Bubble Panel to facilitate hands-on play, and two slides: a Right-Turn Slide, and a Wave Slide. Kids can access the Costa Mesa's platform by way of the climbers, or take the Transfer Station stairs. Then, they'll slip down one of the colorful slides to find a Bench Panel which is perfect for relaxation, and a Store Panel that promotes dramatic, social, and imaginative play. The Costa Mesa is ideal for daycare centers and schools hoping to elevate their playground areas, with a space-saving design that can fit in snug corners. Watch as the children in your care traverse the structure with confidence, making memories for years to come.

**Product Specifications**

Price: \$13,794.<sup>00</sup>  
Model Number: PKP165  
Age Range: 2-12 years  
Child Capacity: 29-34  
Fall Height: 48"  
Post Diameter: 3.5-inch  
Product Type: Spark  
Safety Zone: 28' 3" x 28' 5"

✓ ADA Compliant

Elevated 6 components  
Ground Level 2 components



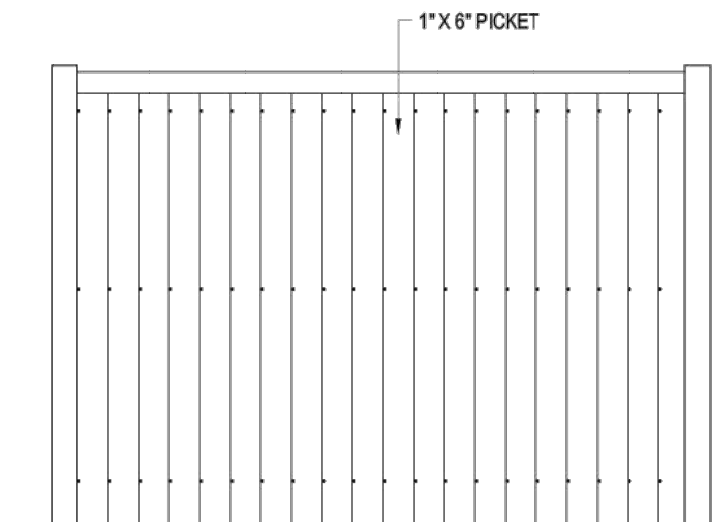
**2** D-4.0

www.eliteplayequipment.com 919-201-7471 | Nancy Bascietto



HUMBOLDT SAWMILL  
3700 OLD REDWOOD HWY, SUITE 200  
SANTA ROSA, CA 95403  
www.getredwood.com

- ✓ SELECT DESIRED STYLE:
- DOG-EAR
  - FLAT-TOP (SHOWN)
- ✓ SELECT DESIRED SIZE:
- 1" X 4"
  - 1" X 6" (SHOWN)
  - 1" X 8"
  - 1" X 10"
  - 1" X 12"
- ✓ SELECT DESIRED GRADE:
- CONSTRUCTION COMMON (PREMIUM)
  - CONSTRUCTION HEART
  - CLEAR RIDGE & VALLEY



FRONT VIEW

- SPECIFICATIONS**  
FINISH CHARACTERISTICS: ROUGH
- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. DO NOT SCALE DRAWING.
  3. 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.
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  5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5348-029

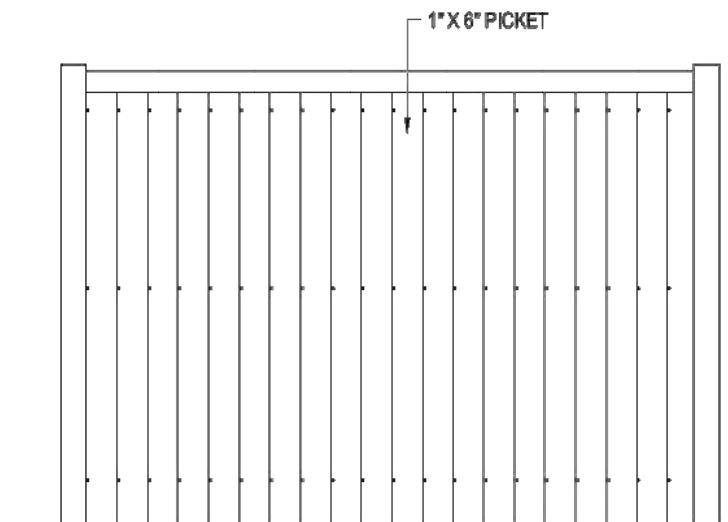
**3** REDWOOD FENCING  
D-4.0 REDWOOD FENCING: 1" X 6" FENCE PICKET FLAT-TOP

5348-029 REVISION DATE 07/09/2021  
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3700 OLD REDWOOD HWY, SUITE 200  
SANTA ROSA, CA 95403  
www.getredwood.com

- ✓ SELECT DESIRED STYLE:
- DOG-EAR
  - FLAT-TOP (SHOWN)
- ✓ SELECT DESIRED SIZE:
- 1" X 4"
  - 1" X 6" (SHOWN)
  - 1" X 8"
  - 1" X 10"
  - 1" X 12"
- ✓ SELECT DESIRED GRADE:
- CONSTRUCTION COMMON (PREMIUM)
  - CONSTRUCTION HEART
  - CLEAR RIDGE & VALLEY



FRONT VIEW

- SPECIFICATIONS**  
FINISH CHARACTERISTICS: ROUGH
- NOTES:
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  5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5348-029

**4** REDWOOD FENCING  
D-4.0 REDWOOD FENCING: 1" X 6" FENCE PICKET FLAT-TOP

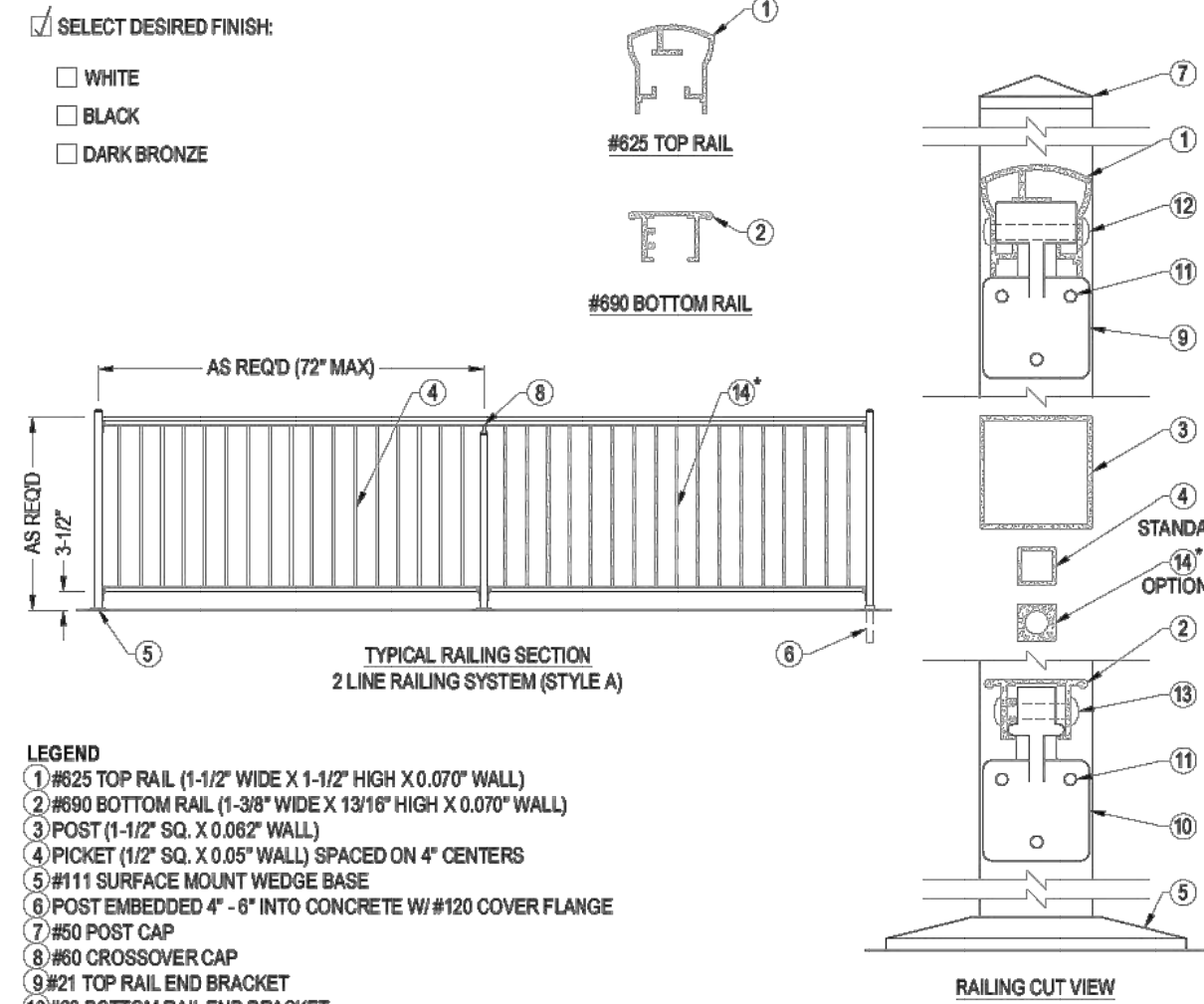
5348-029 REVISION DATE 07/09/2021  
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555 E MAIN ST. P.O. BOX 430  
RUSSIA, OH 45363  
TOLL FREE: 1-800-548-9656  
PHONE: (937) 529-4065  
www.superioraluminum.com

✓ SELECT DESIRED FINISH:

- WHITE
- BLACK
- DARK BRONZE



- LEGEND**
- ① #825 TOP RAIL, (1-1/2" WIDE X 1-1/2" HIGH X 0.070" WALL)
  - ② #690 BOTTOM RAIL, (1-3/8" WIDE X 13/16" HIGH X 0.070" WALL)
  - ③ POST (1-1/2" SQ. X 0.062" WALL)
  - ④ PICKET (1/2" SQ. X 0.057" WALL) SPACED ON 4" CENTERS
  - ⑤ #111 SURFACE MOUNT WEDGE BASE
  - ⑥ POST EMBEDDED 4" - 6" INTO CONCRETE W/ #120 COVER FLANGE
  - ⑦ #50 POST CAP
  - ⑧ #60 CROSSOVER CAP
  - ⑨ #21 TOP RAIL END BRACKET
  - ⑩ #22 BOTTOM RAIL END BRACKET
  - ⑪ #462 POST BRACKET RIVET (18")
  - ⑫ #412 TOP RAIL BRACKET BINDER BOLT (13/64")
  - ⑬ #813 BOTTOM RAIL BRACKET BINDER BOLT (13/64")
  - ⑭ TWISTED PICKET (1/2" SQ. X 0.064" WALL) SPACED ON 4" CENTERS

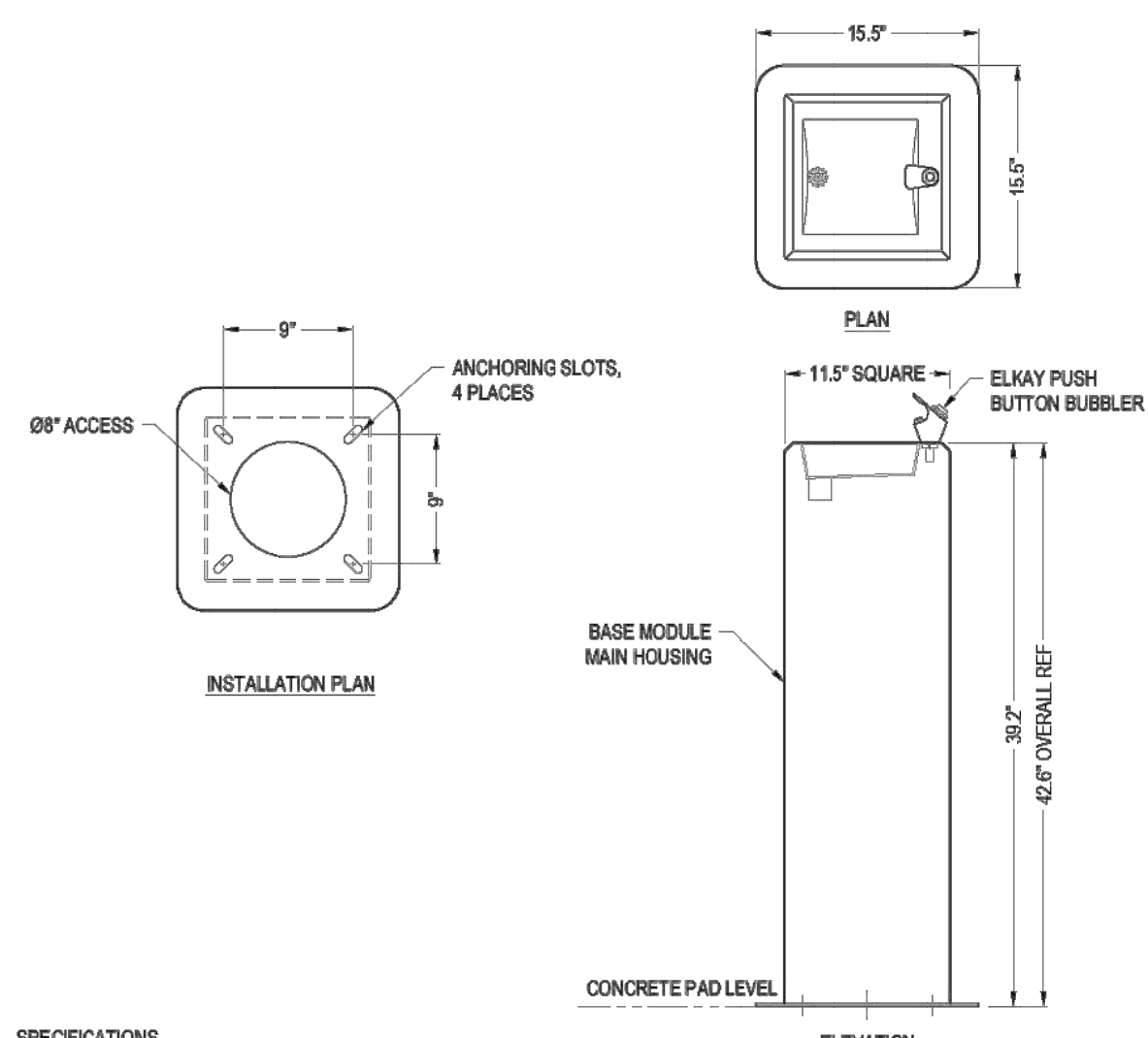
- NOTES:
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  5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5311-010

**5** ECONOMY PICKET RAILING  
D-4.0 SERIES 6E: 2 LINE RAILING SYSTEM (STYLE A)

5311-010 REVISION DATE 26/07/2022  
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KNILL SITE FURNISHINGS  
PO BOX 20027 NORTHVILLE  
PARIS, ON N3L 4A5  
PHONE: (519) 442-2424  
www.knillcustomfab.com



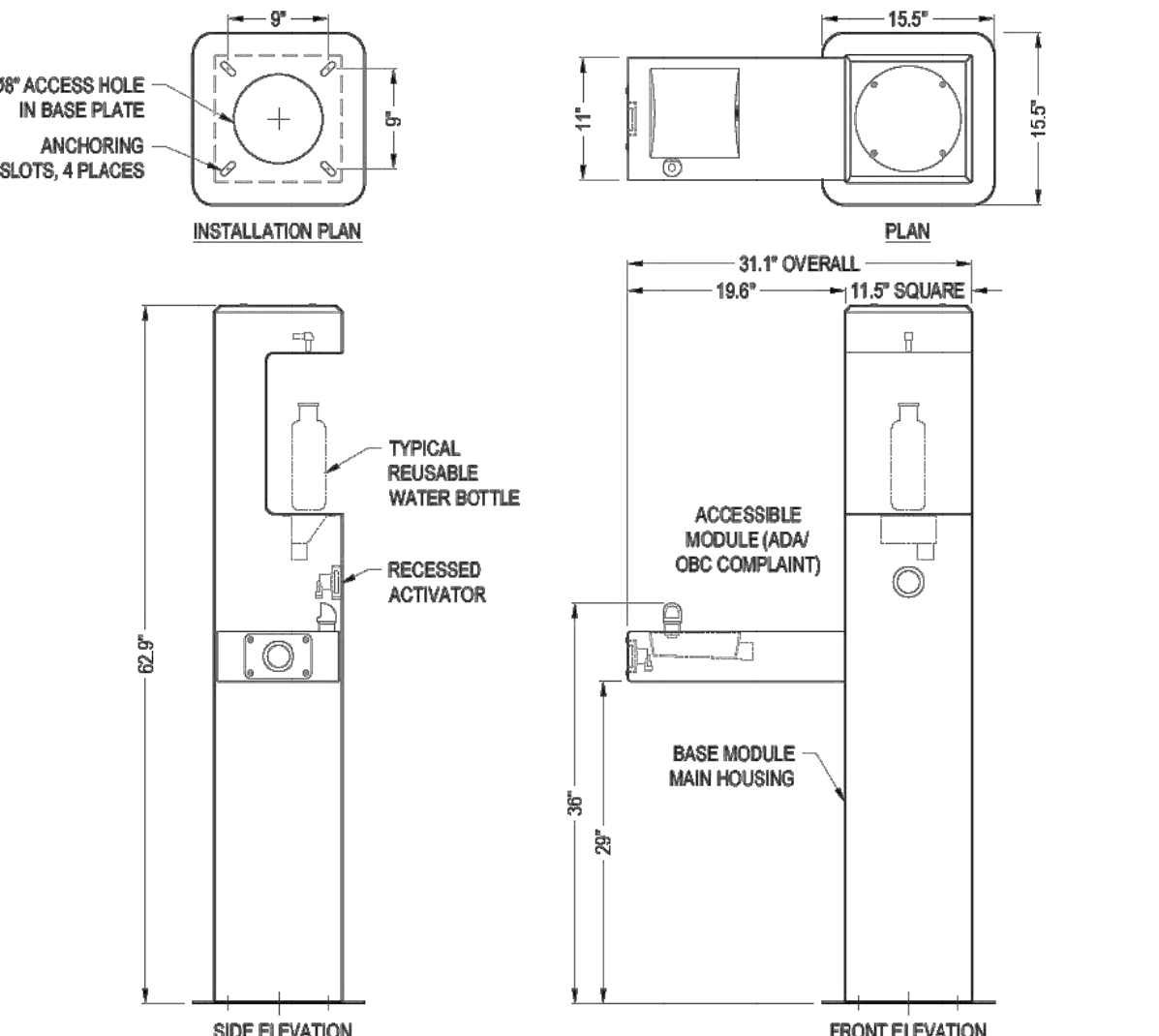
- SPECIFICATIONS**  
MATERIAL: RUGGED 11 GA. STAINLESS STEEL HOUSING AND BASIN
- MANUFACTURER'S NOTES:**
1. KNILL FABRICATION LTD. MAINTAINS A POLICY OF CONTINUOUS PRODUCT IMPROVEMENT. AS A RESULT, SOME DETAILS MAY CHANGE WITHOUT NOTICE.
- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. DO NOT SCALE DRAWING.
  3. 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.
  4. 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.
  5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5438-073

**6** DRINKING FOUNTAINS AND BOTTLE FILLING STATIONS  
D-4.0 (350000) DRINKING FOUNTAIN, SINGLE BASIN

5438-073 REVISION DATE 15/08/2022  
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PO BOX 20027 NORTHVILLE  
PARIS, ON N3L 4A5  
PHONE: (519) 442-2424  
www.knillcustomfab.com



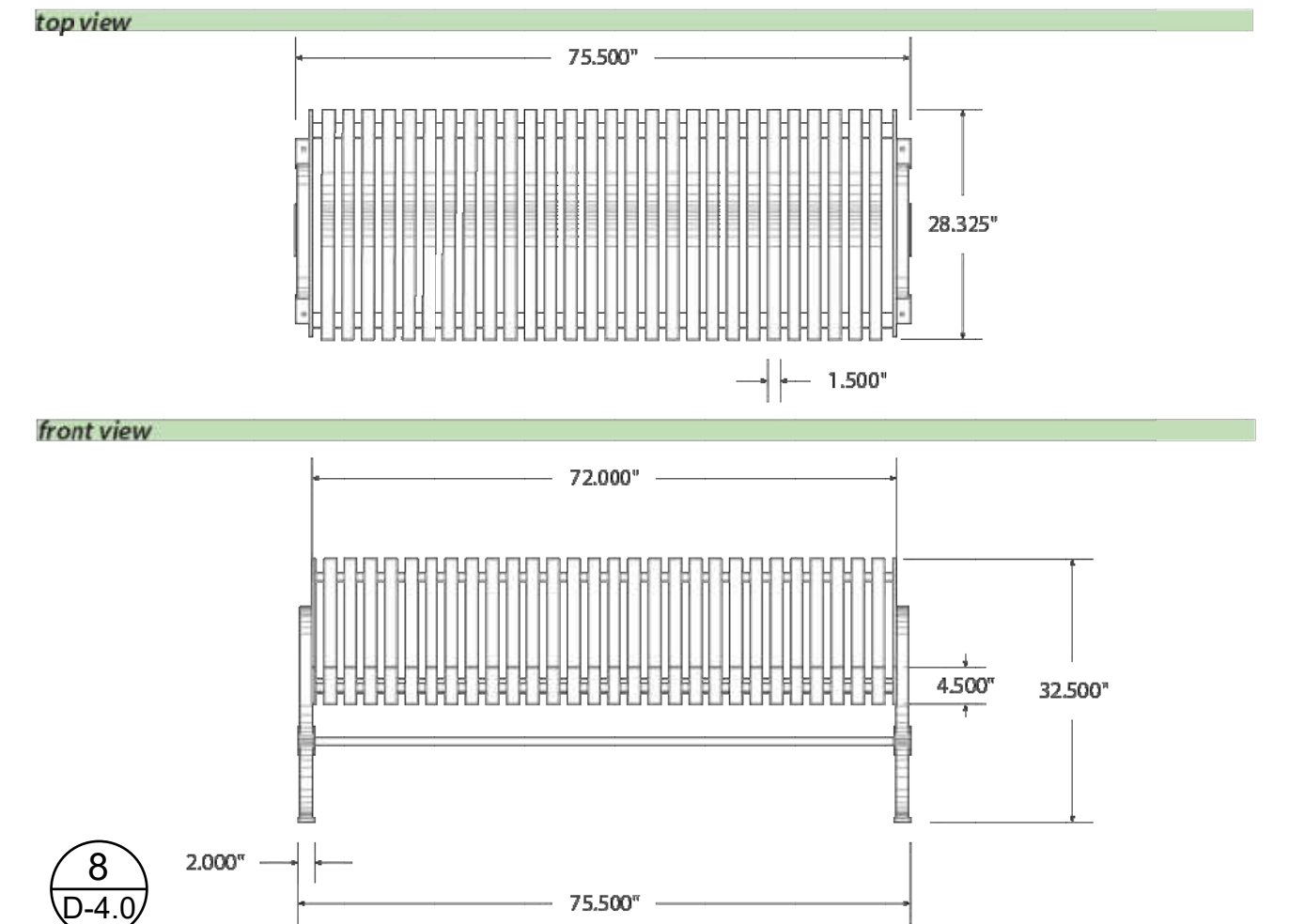
- SPECIFICATIONS**  
MATERIAL: RUGGED 11 GA. STAINLESS STEEL HOUSING WITH POLYESTER POWDER TOP COAT
- MANUFACTURER'S NOTES:**
1. KNILL FABRICATION LTD. MAINTAINS A POLICY OF CONTINUOUS PRODUCT IMPROVEMENT. AS A RESULT, SOME DETAILS MAY CHANGE WITHOUT NOTICE.
- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
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  5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5438-077

**7** DRINKING FOUNTAINS AND BOTTLE FILLING STATIONS  
D-4.0 (350046) "THE ATHABASCA" - BOTTLE FILLING STATION, WITH ACCESSIBLE DRINKING MODULE

5438-077 REVISION DATE 15/08/2022  
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leisure craft inc. P.O. Box 1700 • Hendersonville, NC 28793 • Tel: (800) 633-8241 • (828) 693-8241  
Fax: (828) 693-8777 • www.leisurecraftinc.com • sales@leisurecraftinc.com

**SPEC SHEET: HP6NB**  
**6' HIGH POINT BENCH WITH BACK** portable/surface-mount **Wt. 245 lbs**  
photo



**8** D-4.0

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.



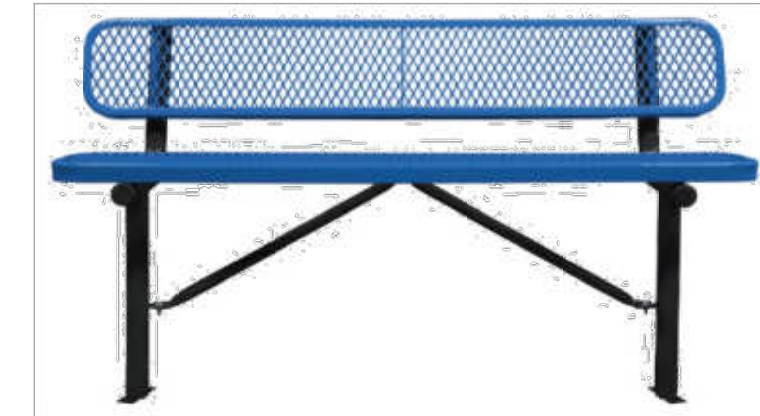
STRONG ROCK PROJECT	NOT FOR CONSTRUCTION	SCALE	AS SHOWN	JWL	SRG	JWL
				DESIGNED BY	DRAWN BY	CHECKED BY

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

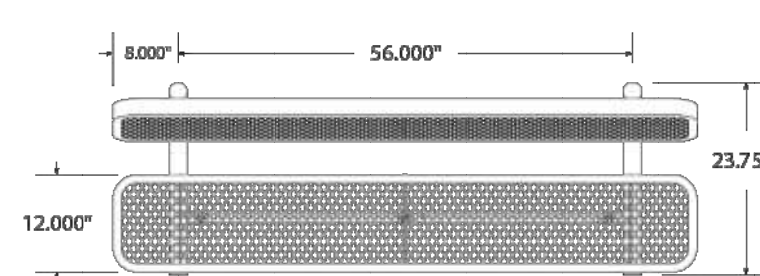
DRAWING SHEET  
D-4.0

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

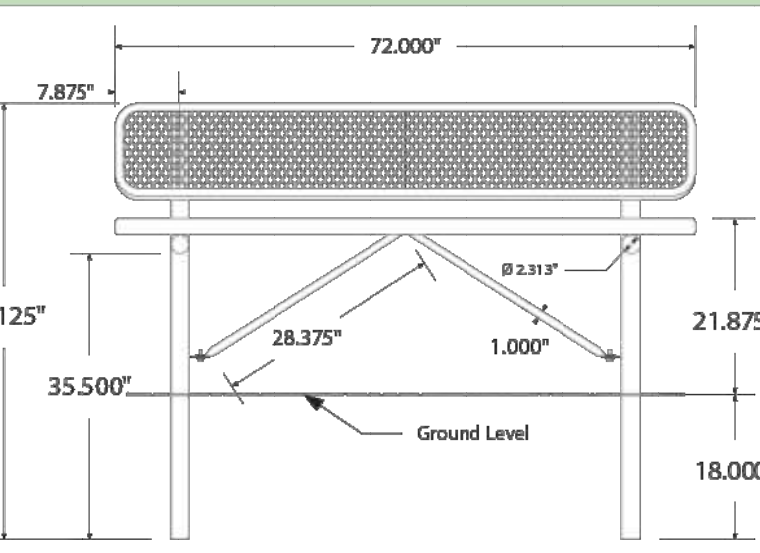
**SPEC SHEET: B6WBIG**  
**6' STANDARD EXPANDED BENCH W BACK IN-GROUND** Wt. 150 lbs  
 photo



**top view**



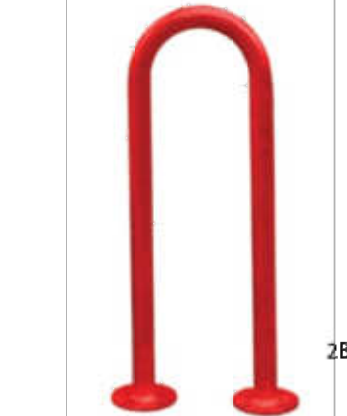
**front**



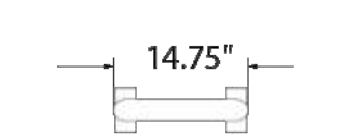
9  
D-4.1

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

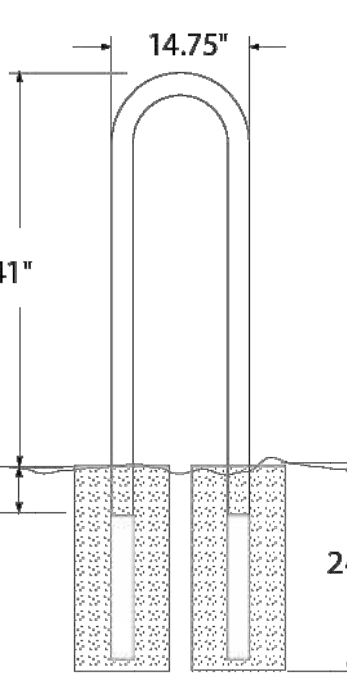
**SPEC SHEET: 2BK3P-IG**  
**14 3/4" THERMOPLASTIC WAVE RACK 2 3/8" DIA in-ground** Wt. 87 lbs  
 photo



**top view**



**front view**

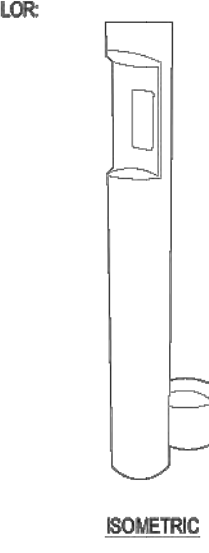
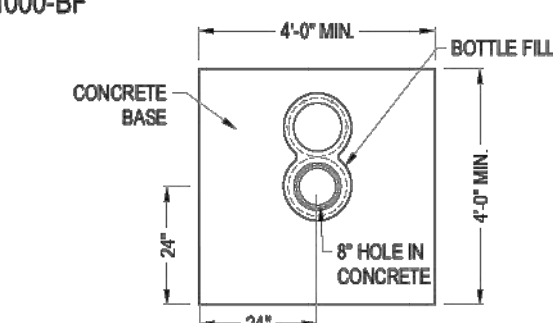
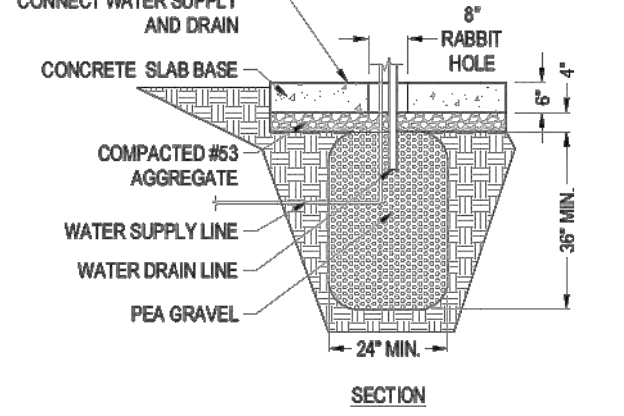


10  
D-4.1

**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.

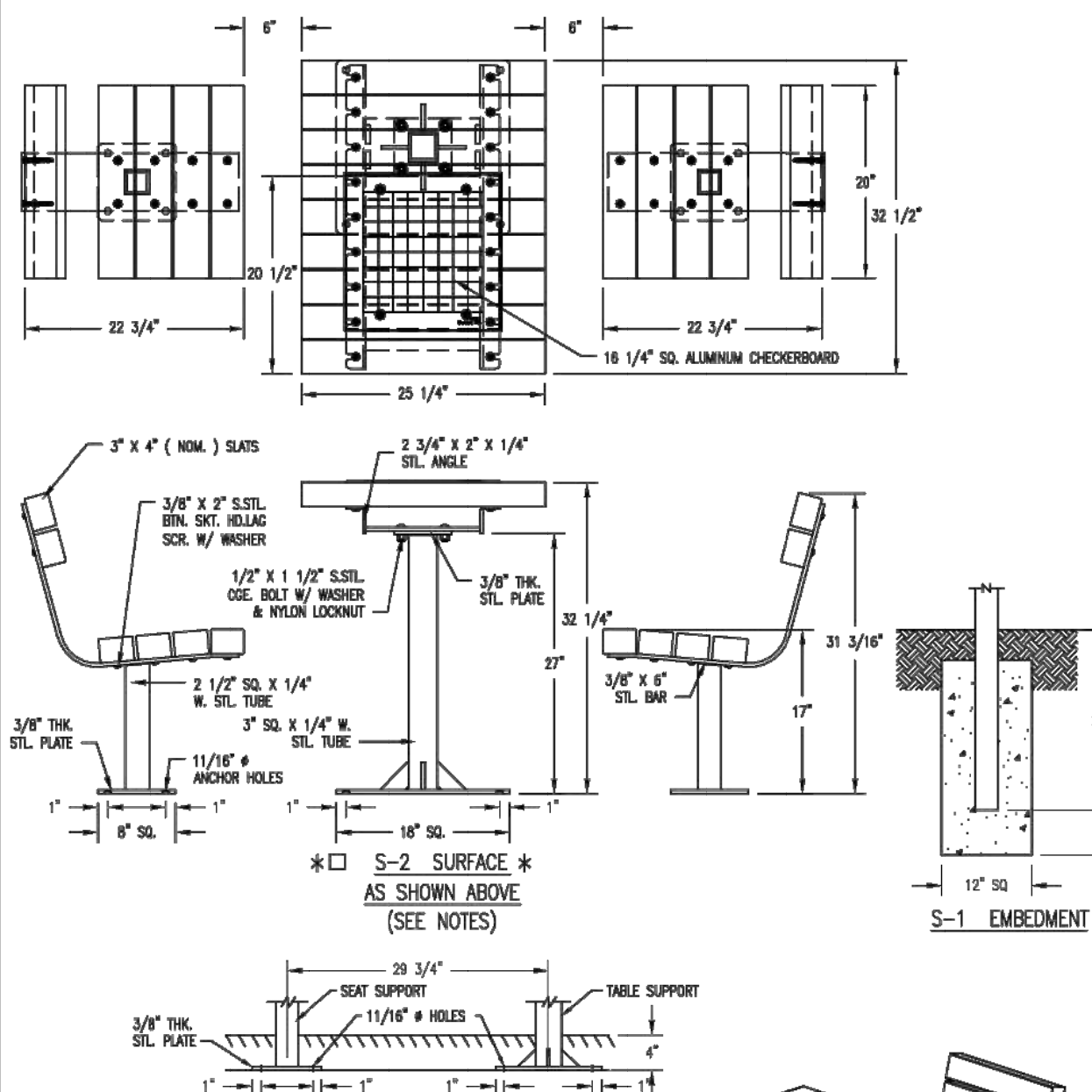
**MANUFACTURER NOTES:**  
 1. FULL ADA ACCESSIBILITY WILL REQUIRE ADDITIONAL ADA SURFACING TO ALLOW ACCESS TO THE DRINKING FOUNTAIN PUSH BUTTON AND THE PET FOUNTAIN PUSH BUTTON.  
 2. SLOPE SURFACE AWAY FROM FOUNTAIN BASE AT 2% SLOPE.  
 3. WATER SUPPLY LINE AND DEPTH AND DRAIN PIPE SHALL BE ACCORDING TO LOCAL REGULATING CODES AND SHALL BE ACCORDING TO FOUNTAIN MODEL SPECIFICATIONS.  
 4. 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:**  
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
 2. DO NOT SCALE DRAWING.  
 3. 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.  
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 5. CONTRACTOR'S NOTE FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/Info AND ENTER REFERENCE NUMBER 6017-242.

11  
D-4.1

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

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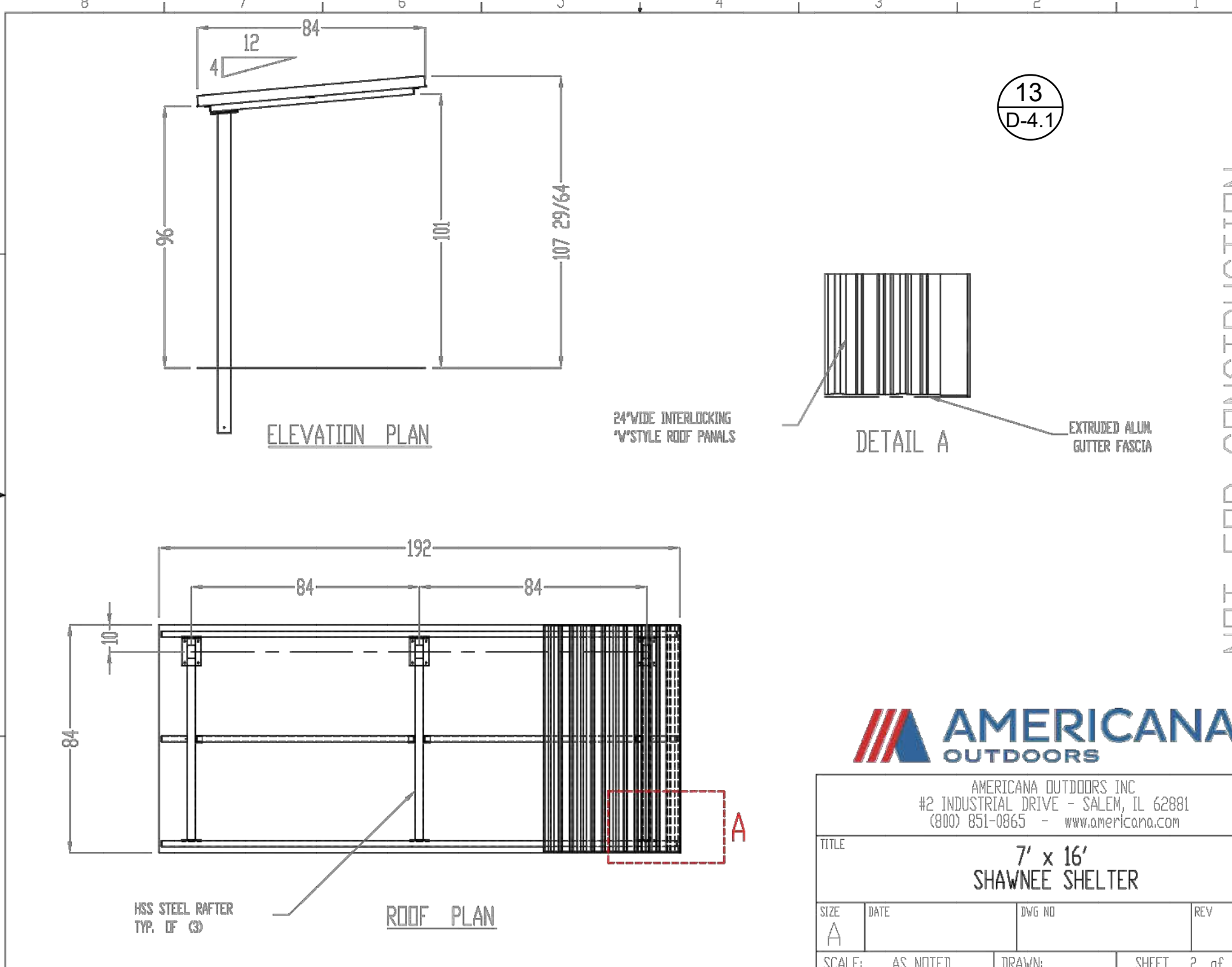


**SLAT OPTIONS:**  
 CEDAR RECYCLED PLASTIC  
 GREY RECYCLED PLASTIC  
 REDWOOD RECYCLED PLASTIC  
 WALNUT RECYCLED PLASTIC  
 OTHER

**NOTES:**  
 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.  
 2.) 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-4.1

DuMor, inc. GAME TABLE DATE DRAWN: 10/29/19 REV. 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

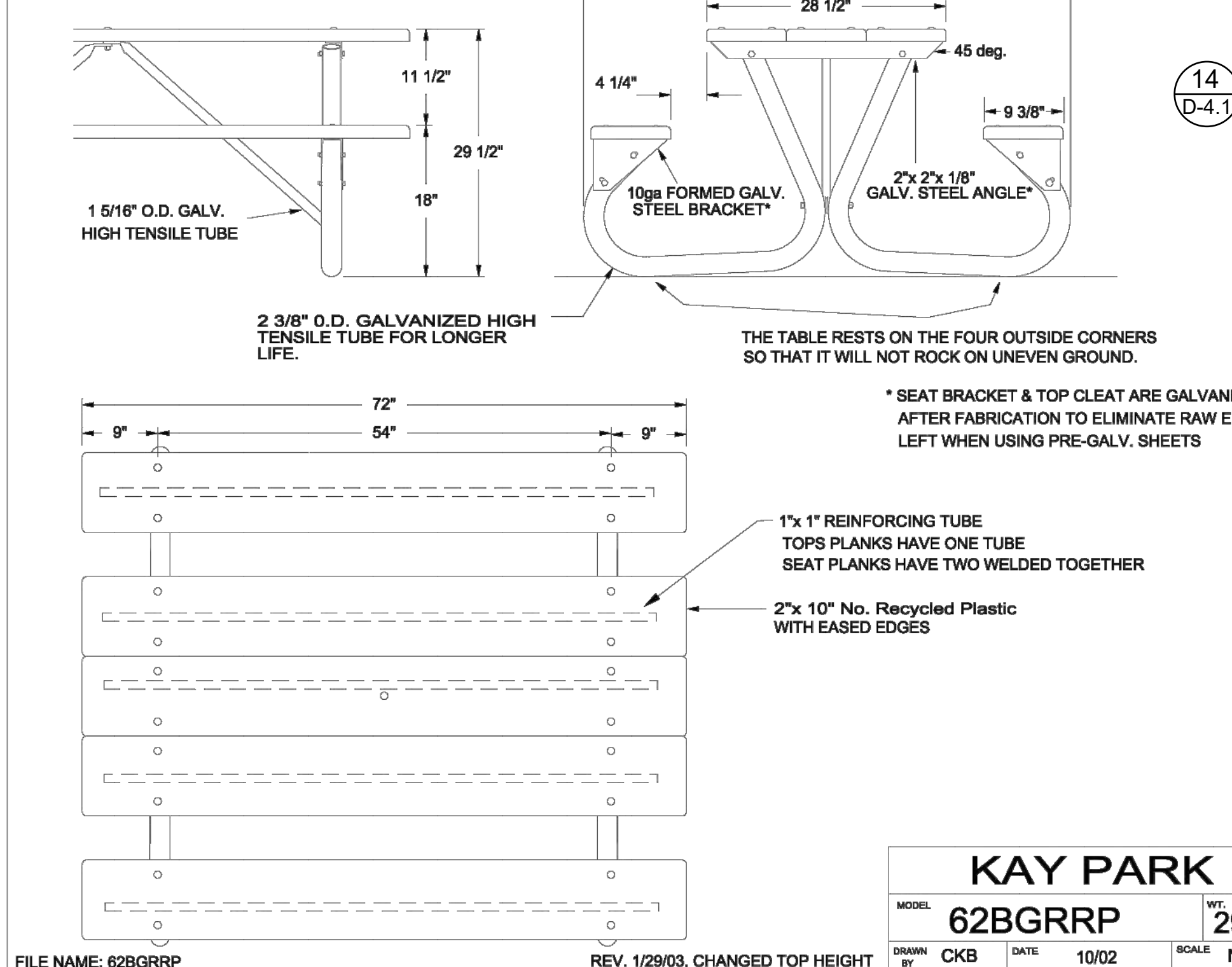
**AMERICANA OUTDOORS**  
 AMERICANA OUTDOORS INC.  
 #2 INDUSTRIAL DRIVE - SALEM, IL 62881  
 (800) 831-0865 - www.americana.com

TITLE: 7' x 16' SHAWNEE SHELTER

SCALE: AS NOTED DRAWN: SHEET 2 of 2

13  
D-4.1

NOT FOR CONSTRUCTION



1 5/8" 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

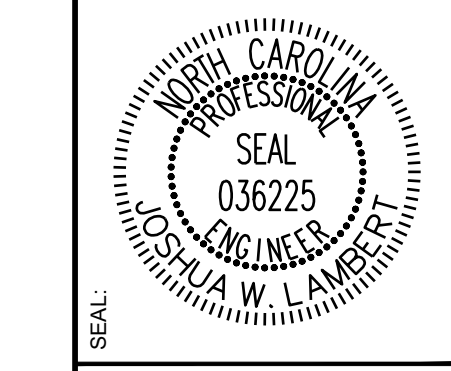
2" x 10" No. Recycled Plastic WITH EASED EDGES

**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

14  
D-4.1

NO.	REVISIONS	DATE	BY



**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-4.1**

