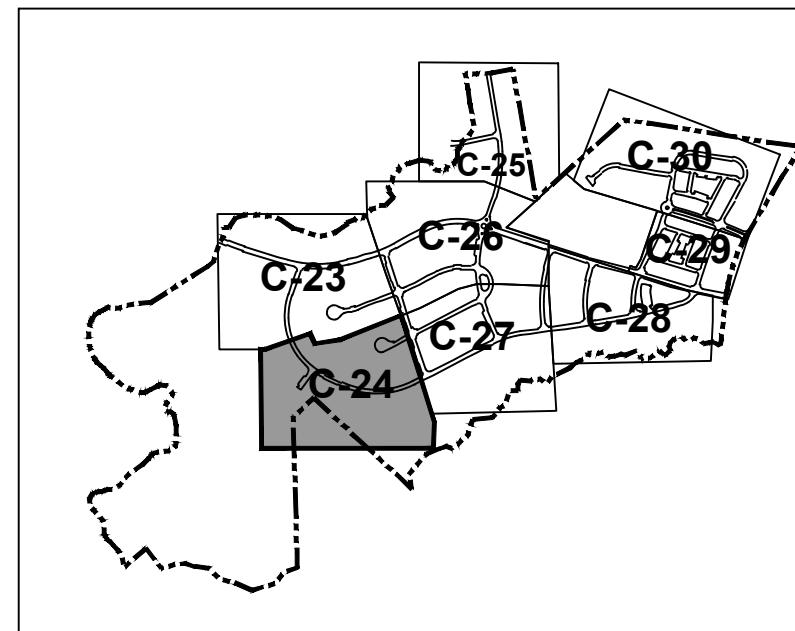
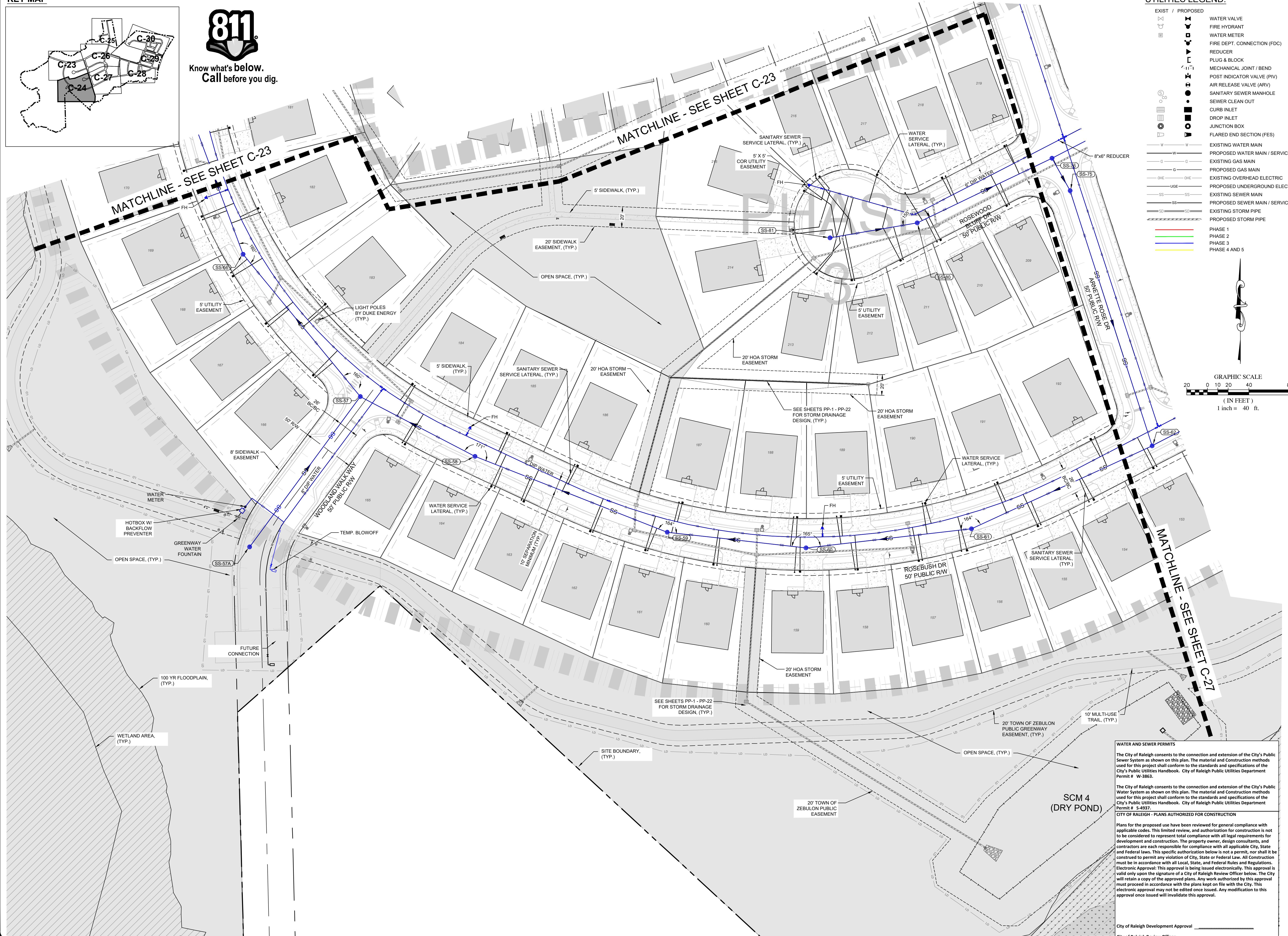




## KEY MAP



Know what's below.  
Call before you dig.



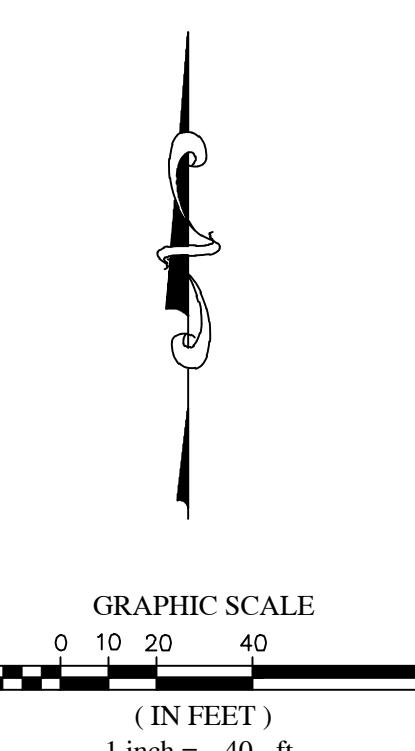
**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**  
915 PONY ROAD  
ZEBULON, NC

**UTILITY PLAN**

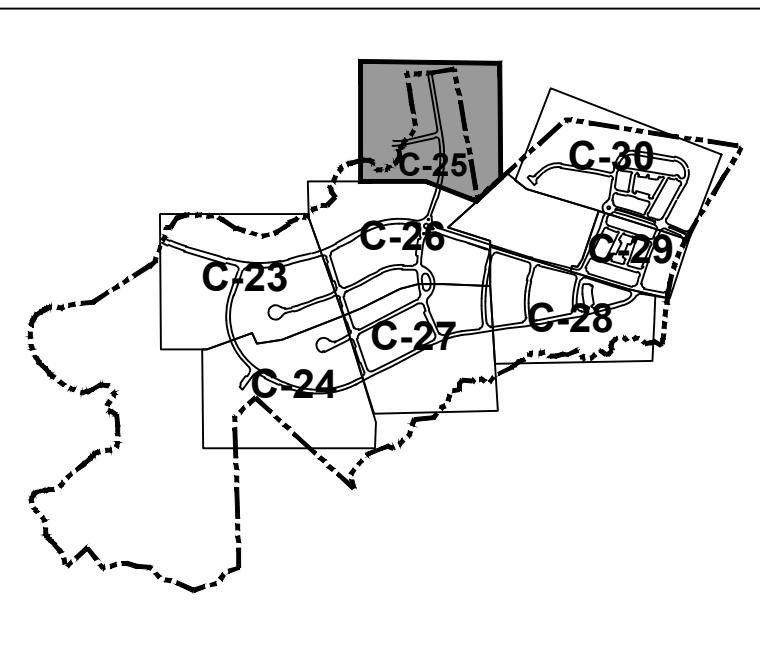
**PROJECT NO.** 19-0103  
**DRAWING NAME:** 19-0103\_u.dwg  
**SHEET NO.** C-24



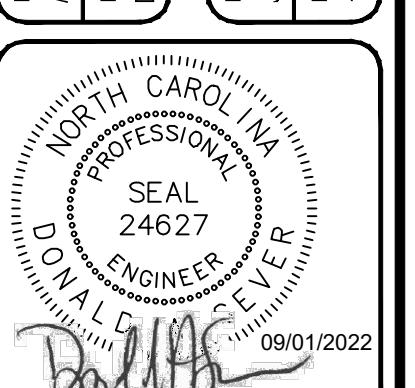
**Know what's below.  
Call before you dig.**



# KEY MAP



## UTILITIES LEGEND:



www

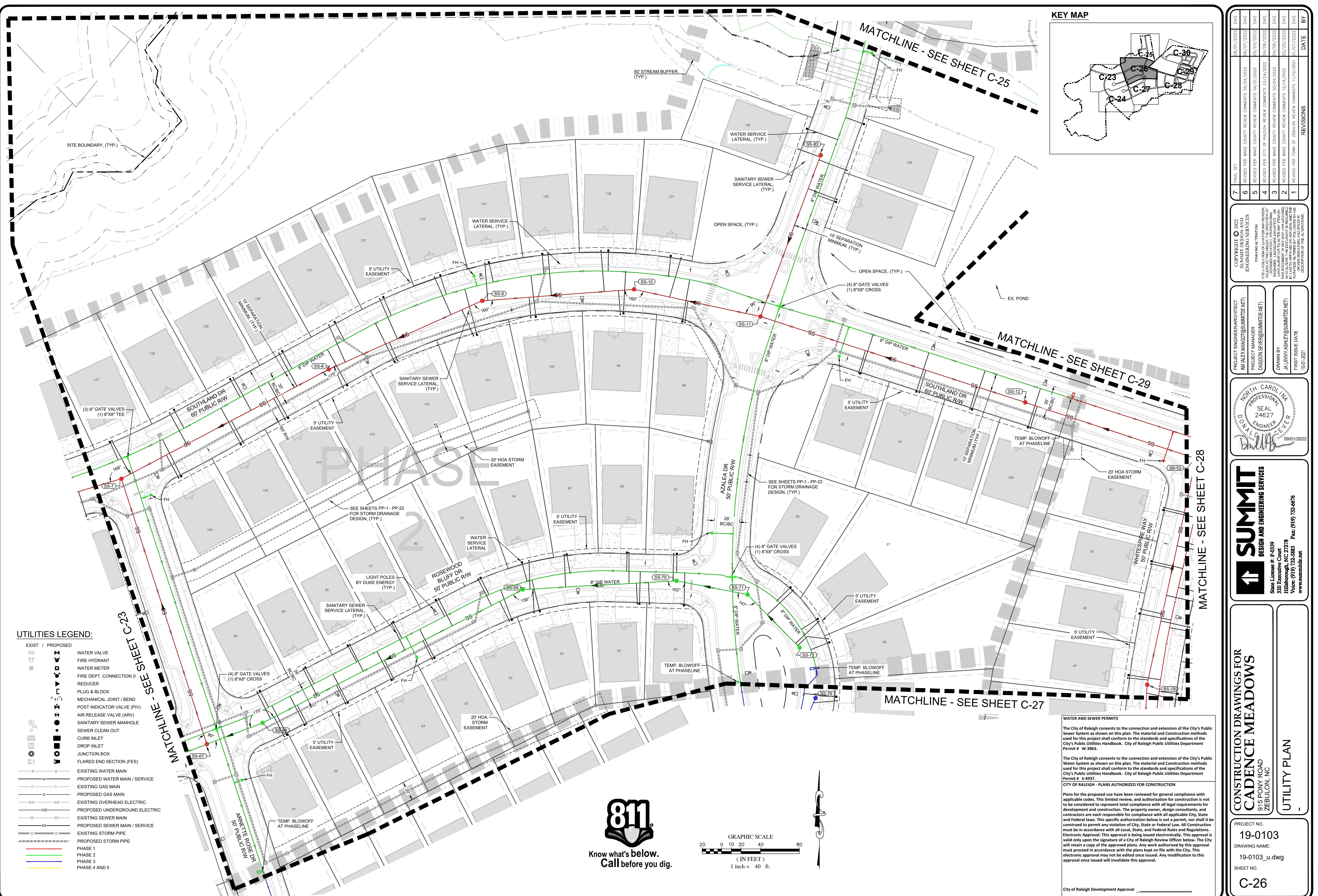
FOR  
VS

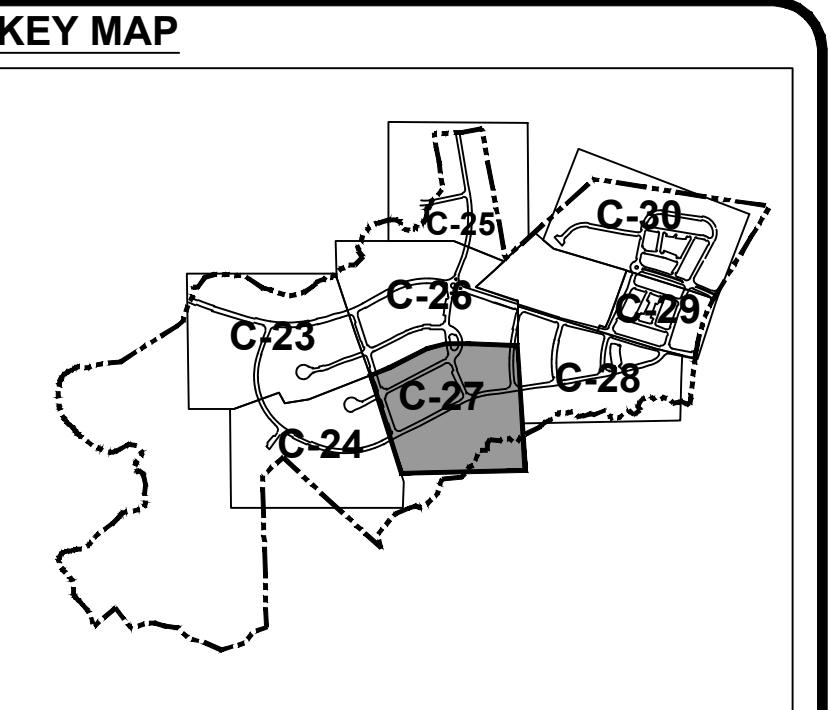
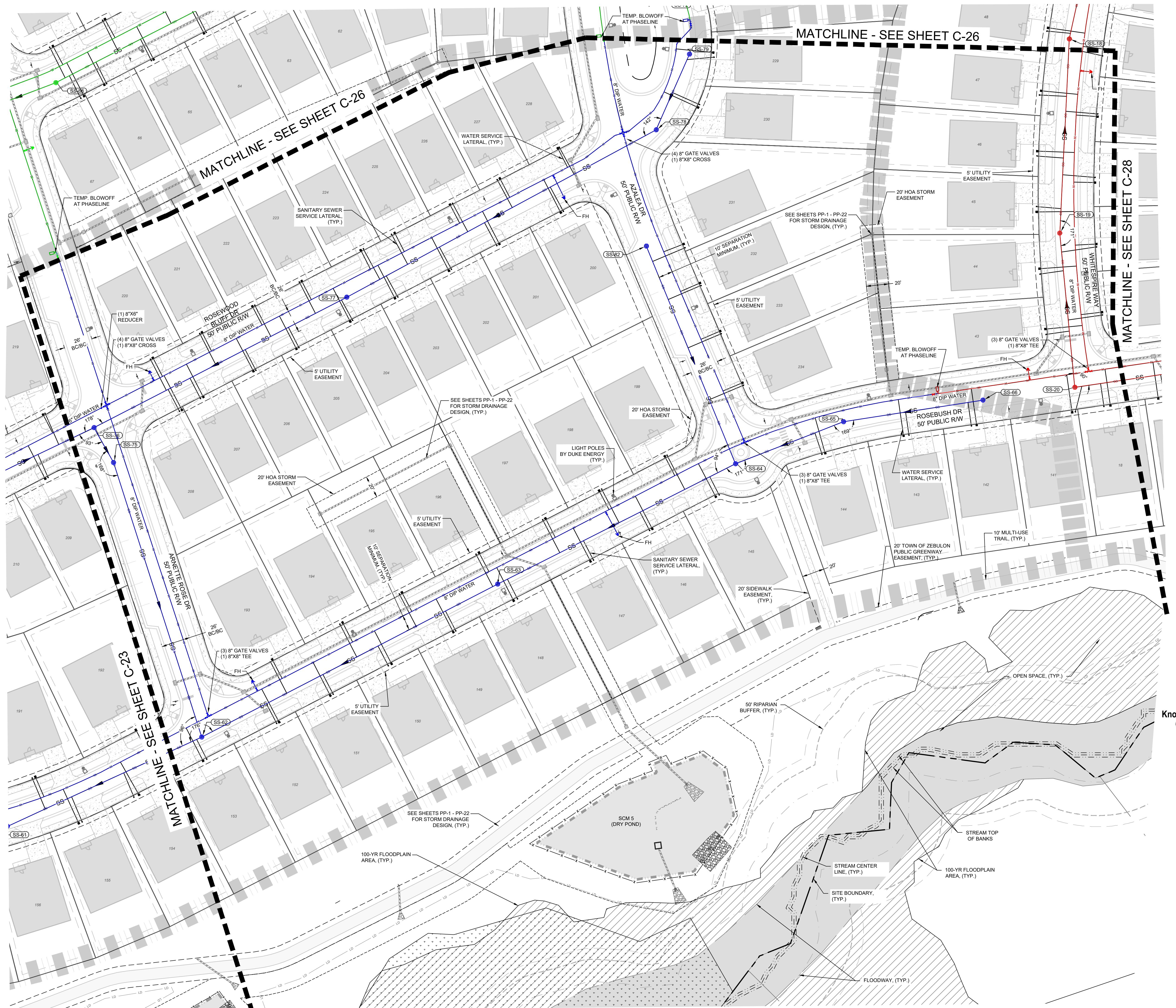
# CONSTRUCTION CADENCE I

115 PONY ROAD  
LEBULON, NC

# UTILITY PLAN

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_u.dwg**  
SHEET NO.  
**C-25**





**UTILITIES LEGEND:**

EXIST / PROPOSED	WATER VALVE
	WATER VALVE
	FIRE HYDRANT
	WATER METER
	FIRE DEPT. CONNECTION (FDC)
	REDUCER
	PLUG & BLOCK
	MECHANICAL JOINT / BEND
	POST INDICATOR VALVE (PIV)
	AIR RELEASE VALVE (ARV)
	SANITARY SEWER MANHOLE
	SEWER CLEAN OUT
	CURB INLET
	DROP INLET
	JUNCTION BOX
	FLARED END SECTION (FES)
	EXISTING WATER MAIN
	PROPOSED WATER MAIN / SERVICE
	EXISTING GAS MAIN
	PROPOSED GAS MAIN
	EXISTING OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	EXISTING SEWER MAIN
	PROPOSED SEWER MAIN / SERVICE
	EXISTING STORM PIPE
	PROPOSED STORM PIPE
	PHASE 1
	PHASE 2
	PHASE 3
	PHASE 4 AND 5

DATE	BY
03/01/2022	DAS
05/24/2022	DAS
06/07/2022	DAS
05/03/2022	DAS
05/14/2022	DAS
04/06/2022	DAS
04/25/2022	DAS
01/07/2022	DAS
01/12/2021	DAS
REVISIONS	

PROJECT ENGINEER/ARCHITECT  
AM (ALEMANOT@SUMMITDE.NET)  
PROJECT MANAGER  
DASHIONSEV@SUMMITDE.NET

DRAWN BY  
JA (JAMESASHLEY@SUMMITDE.NET)

FIRST ISSUE DATE  
10/01/2021

NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
SEAL  
24627  
09/01/2022  
*[Signature]*



**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**  
915 PONY ROAD  
ZEBULON, NC

**UTILITY PLAN**

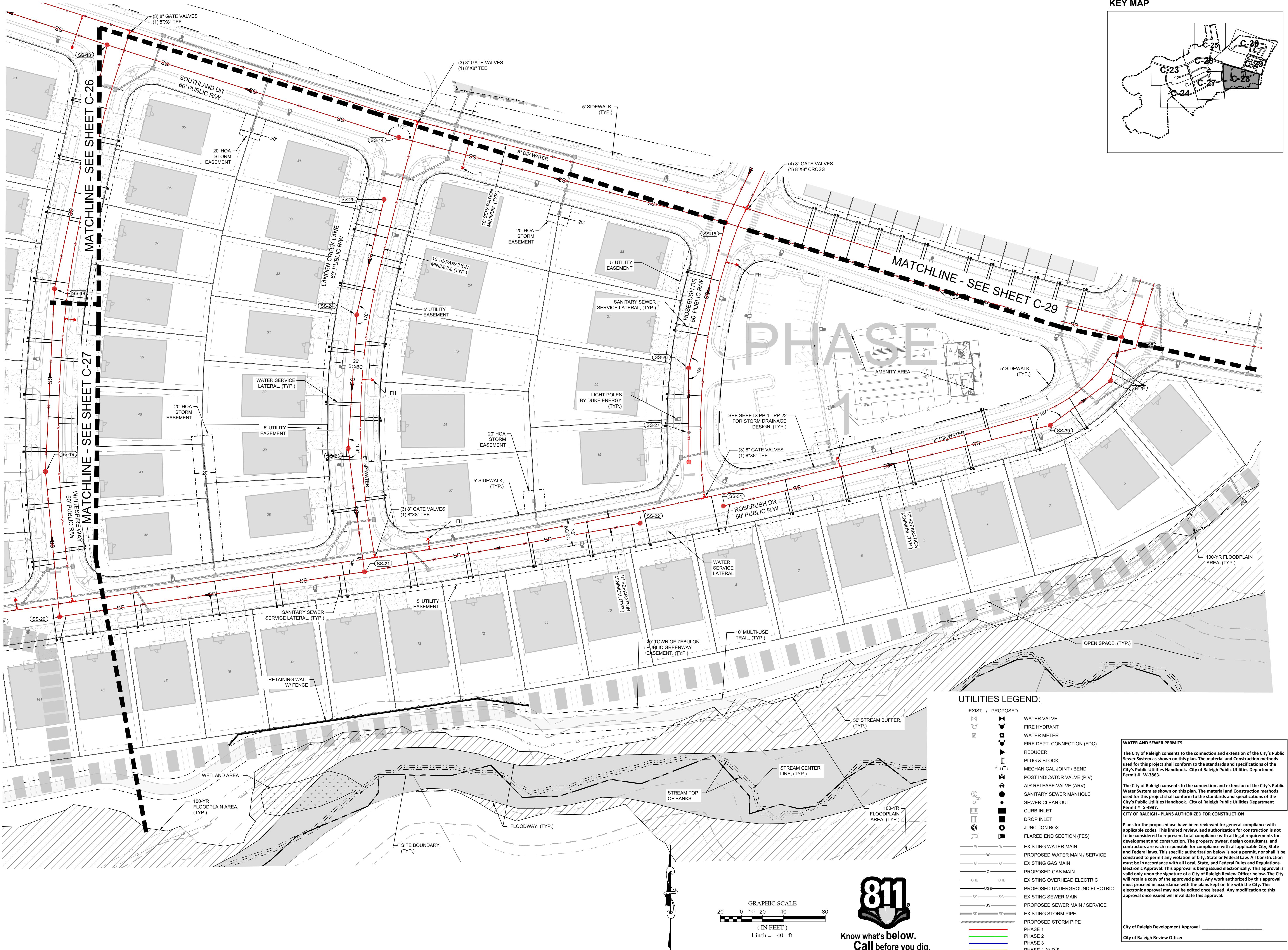
PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_u.dwg  
SHEET NO.  
C-27

**WATER AND SEWER PERMITS**  
The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3863.

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # S-4937.

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws, specific codes, and regulations. All construction must be in accordance with all local, State, and Federal rules and regulations. Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plan. Any modification to this approval must be made in accordance with the plans on file with the City. This electronic approval may not be edited or deleted. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_



# CONSTRUCTION DRAWINGS FOR CADENCE MEADOWS

SPONY ROAD  
TEBULON, NC

ITI ITY BI AN

# SUMMIT

**DESIGN AND ENGINEERING SERVICES**

Executive Court  
Charlotte, NC 27707

PROJECT ENGINEER/ARCHITECT  
AM (ALEX.MANGOT@SUMMITDE.NET)  
PROJECT MANAGER  
SPECSUMMITDE.NET

JAS(DUN.SEVER@SUMMITIDE.NE)

DRAWN BY JIMMY ASHLEY@SUMMITDE.NET

**COPYRIGHT © 2022**  
**SUMMIT DESIGN AND**  
**ENGINEERING SERVICES**  
**DRAWING ALTERATION**

7	FINAL SET	09 /01 /2022	DAS
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022	06 /07 /2022	DAS
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022	05 /03 /2022	DAS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL

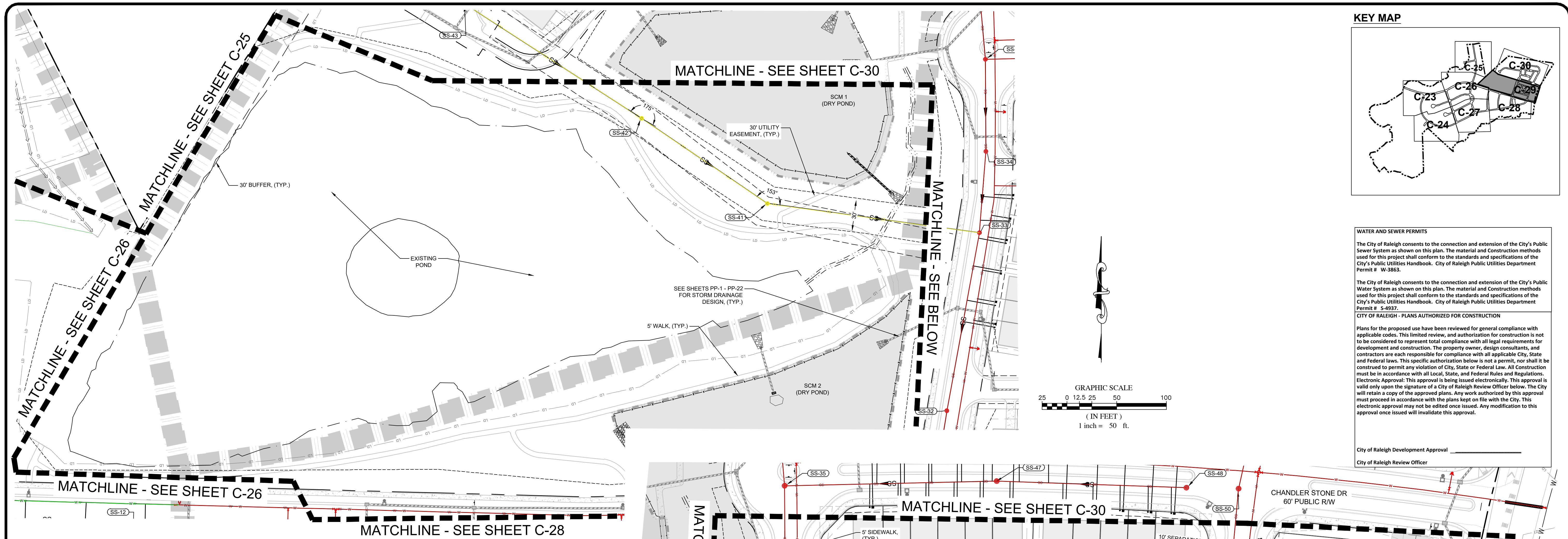
REvised PER WAKE COUNTY REVIEW COMMENTS 03/24/2022  
4/06/2022 DAS

REvised PER WAKE COUNTY REVIEW COMMENTS 12/14/2022  
02/25/2022 DAS

PROJECT N  
19-0  
DRAWING N  
19-010  
SHEET NO.  
C 2

O.  
010  
NAME:  
3\_u.c  
9

3

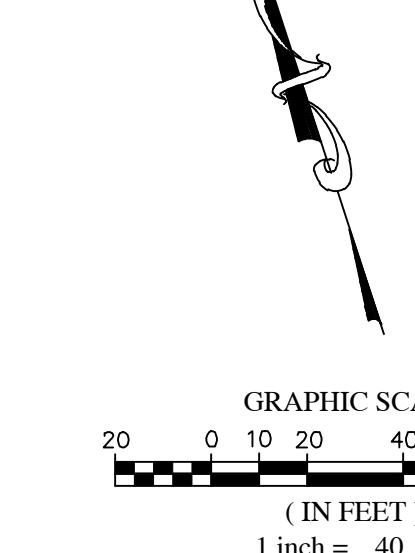


## UTILITIES LEGEND:

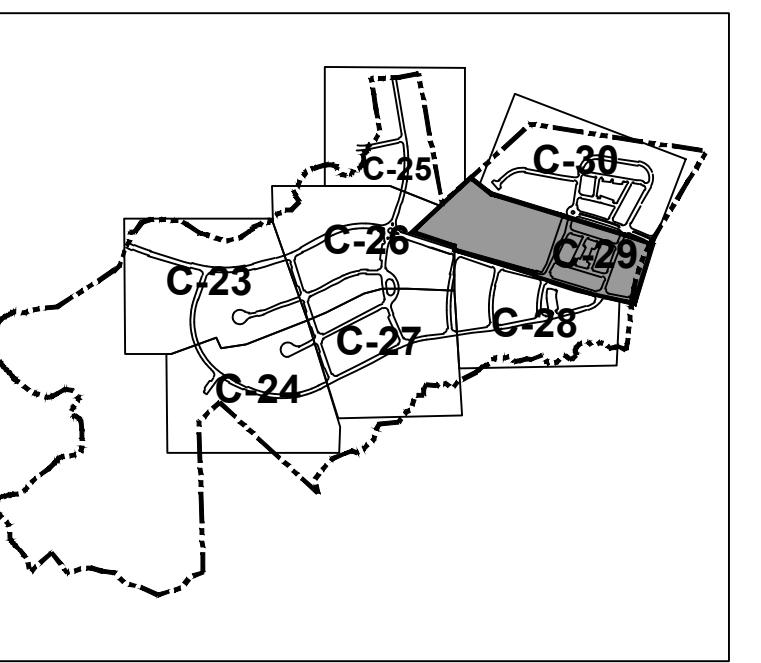
EXIST / PROPOSED	
	WATER VALVE
	FIRE HYDRANT
	WATER METER
	FIRE DEPT. CONNECTION (FDC)
	REDUCER
	PLUG & BLOCK
	MECHANICAL JOINT / BEND
	POST INDICATOR VALVE (PIV)
	AIR RELEASE VALVE (ARV)
	SANITARY SEWER MANHOLE
	SEWER CLEAN OUT
	CURB INLET
	DROP INLET
	JUNCTION BOX
	FLARED END SECTION (FES)
— W — W —	EXISTING WATER MAIN
— W —	PROPOSED WATER MAIN / SERVICE
— G — G —	EXISTING GAS MAIN
— G —	PROPOSED GAS MAIN
— OHE — OHE —	EXISTING OVERHEAD ELECTRIC
— UGE —	PROPOSED UNDERGROUND ELECTRIC
— SS — SS —	EXISTING SEWER MAIN
— SS —	PROPOSED SEWER MAIN / SERVICE
— SD — SD —	EXISTING STORM PIPE
— SD —	PROPOSED STORM PIPE
	PHASE 1
	PHASE 2
	PHASE 3
	PHASE 4 AND 5



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



## Y MAP



## **WATER AND SEWER PERMITS**

City of Raleigh consents to the connection and extension of the City's Public System as shown on this plan. The material and Construction methods for this project shall conform to the standards and specifications of the Public Utilities Handbook. City of Raleigh Public Utilities Department  
Permit # W-3863.

City of Raleigh consents to the connection and extension of the City's Public System as shown on this plan. The material and Construction methods for this project shall conform to the standards and specifications of the Public Utilities Handbook. City of Raleigh Public Utilities Department  
Permit # S-4937.

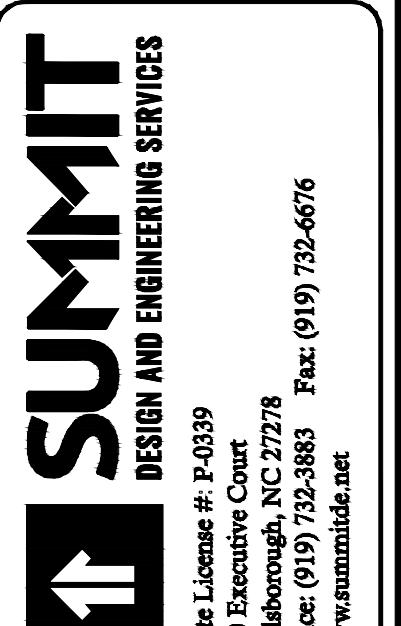
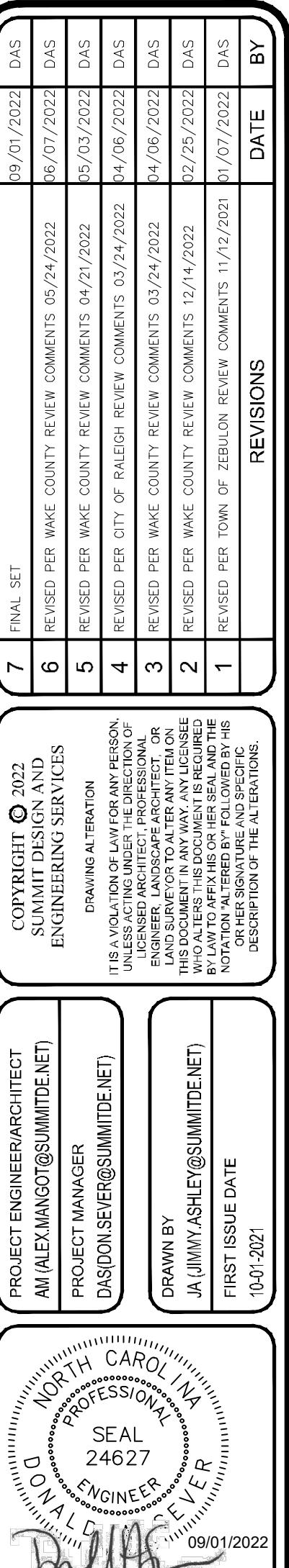
**OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

for the proposed use have been reviewed for general compliance with

able codes. This limited review, and authorization for construction is not considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All Construction shall be in accordance with all Local, State, and Federal Rules and Regulations.

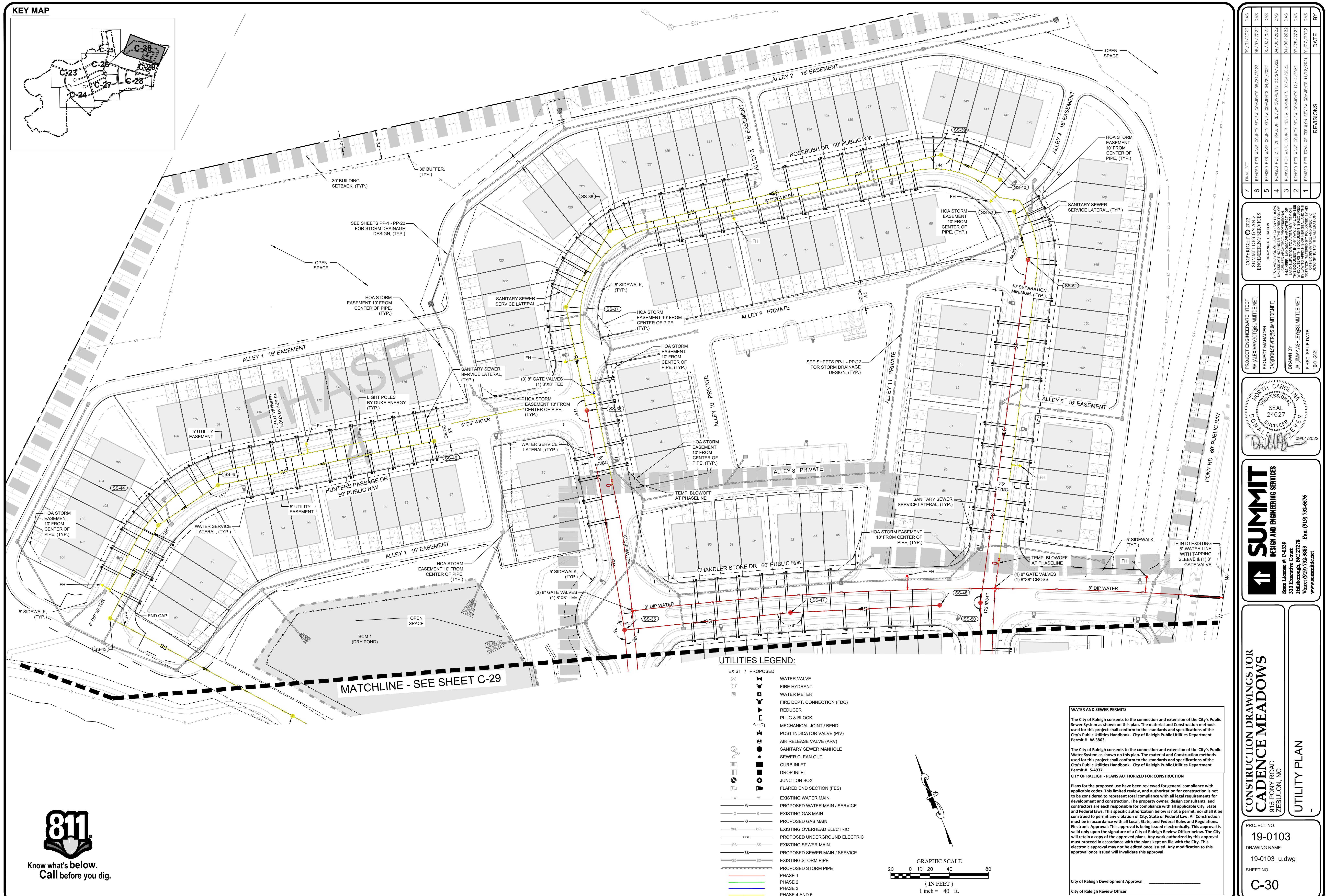
**Electronic Approval:** This approval is being issued electronically. This approval is valid upon the signature of a City of Raleigh Review Officer below. The City shall retain a copy of the approved plans. Any work authorized by this approval shall proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

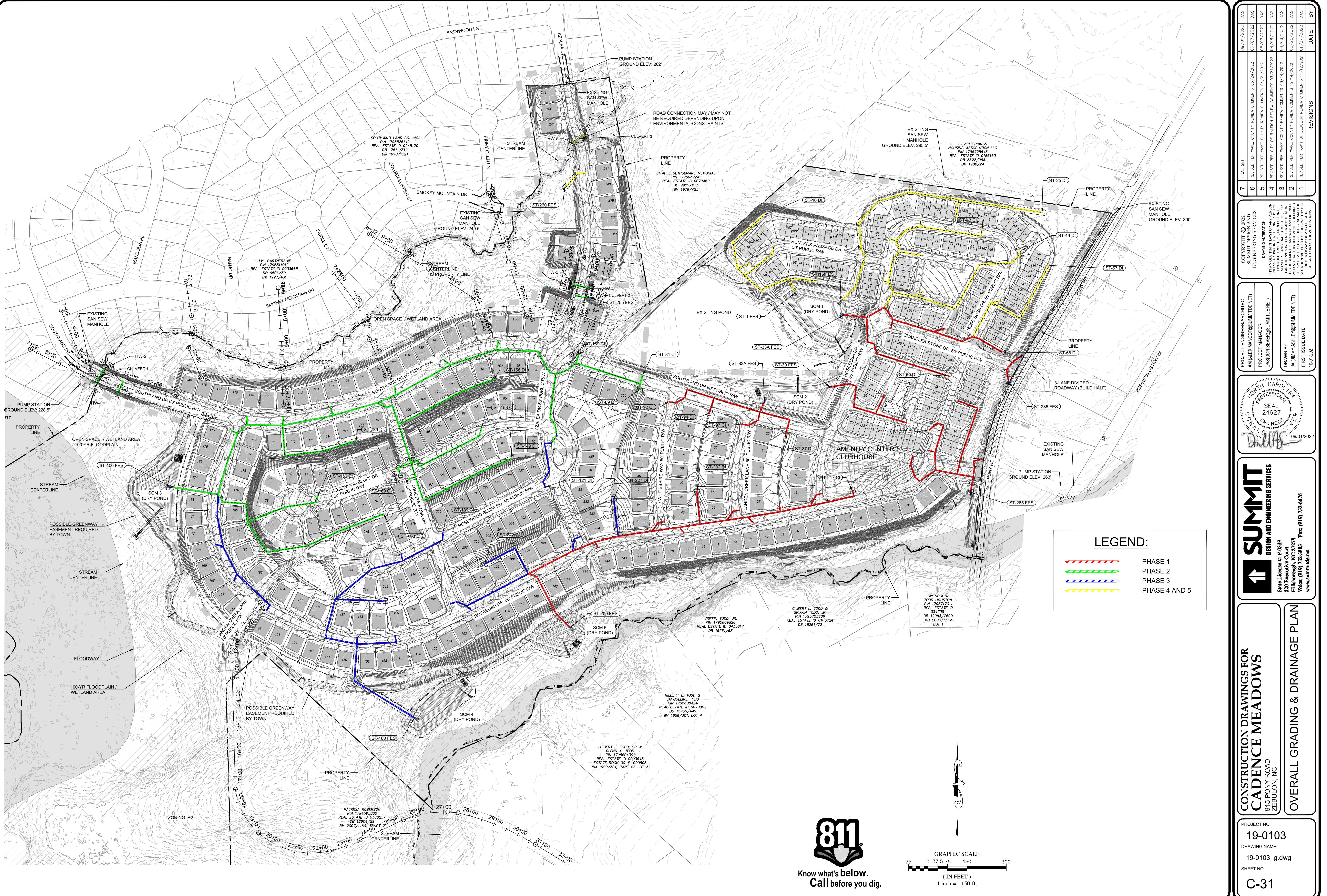
**Raleigh Development Approval** \_\_\_\_\_



CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS  
115 PONY ROAD

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_u.dwg**  
SHEET NO.  
**C-29**







PIPE SCHEDULE												
SHEET #	PHASE	NAME	LENGTH	SIZE	SLOPE	START	INVERT IN	END	INVERT OUT	RESP.		
P-1	4	P-1	60.57'	24"	0.50%	ST-4 DI	271.17	ST-1 FES	270.87	TOZ		
PP-19	4	P-2	80.60'	18"	0.50%	ST-3A	271.77	ST-3 DI	271.37	TOZ		
PP-19	4	P-2A	41.07'	18"	0.50%	ST-2 CI	272.18	ST-3A	271.97	TOZ		
PP-19	4	P-3	119.80'	18"	0.50%	ST-3 DI	272.27	ST-4 DI	271.67	TOZ		
PP-19	4	P-4	111.03'	15"	2.29%	ST-5 DI	276.62	ST-4 DI	274.08	TOZ		
PP-19	4	P-5	51.42'	15"	0.50%	ST-6 CI	273.58	ST-2 CI	273.33	TOZ		
PP-19	4	P-6	140.62'	15"	1.21%	ST-8 CI	274.20	ST-3A	272.50	TOZ		
P-1	4	P-7	27.75'	15"	0.50%	ST-7 CI	274.68	ST-8 CI	274.54	TOZ		
P-1	4	P-8	99.22'	15"	1.00%	ST-9 DI	274.90	ST-2 CI	273.91	HOA		
P-1	4	P-9	157.97'	15"	1.00%	ST-10 DI	276.68	ST-9 DI	275.10	HOA		

PIPE SCHEDULE												
SHEET #	PHASE	NAME	LENGTH	SIZE	SLOPE	START	INVERT IN	END	INVERT OUT	RESP.		
PP-3	3	P-82	107.75'	18"	0.50%	ST-82 CI	273.68	ST-83 CI	273.14	TOZ		
PP-3	3	P-83	184.25'	24"	0.50%	ST-83 CI	272.64	ST-84 CI	271.72	TOZ		
P-2	3	P-84	44.26'	30"	0.50%	ST-84 CI	271.22	ST-83 FES	271.00	TOZ		
PP-3	3	P-84	116.85'	18"	0.69%	ST-84 CI	273.03	ST-84 CI	272.22	TOZ		
P-2	3	P-85	34.00'	15"	1.00%	ST-86 CI	273.62	ST-85 CI	273.28	TOZ		
P-2	3	P-86	22.56'	15"	0.53%	ST-87 DI	274.63	ST-86 CI	274.51	HOA		
P-2	3	P-86	34.00'	15"	0.50%	ST-90 CI	273.85	ST-82 CI	273.68	TOZ		
P-2	3	P-89	40.29'	15"	0.50%	ST-91 CI	274.05	ST-90 CI	273.85	TOZ		
P-2	3	P-91	25.00'	15"	0.52%	ST-92 CI	274.18	ST-91 CI	274.05	TOZ		
P-2	3	P-92	34.00'	15"	0.50%	ST-93 CI	273.56	ST-83 CI	273.39	TOZ		
P-2	3	P-93	28.06'	15"	0.50%	ST-94 DI	273.69	ST-93 CI	273.55	HOA		
P-2	3	P-94	34.00'	15"	0.50%	ST-95 CI	272.87	ST-84 CI	272.70	TOZ		
P-2	3	P-95	41.69'	15"	2.57%	ST-96 CI	273.94	ST-95 CI	272.87	TOZ		
P-2	3	P-96	25.00'	15"	1.32%	ST-97 CI	274.27	ST-96 CI	273.94	TOZ		

PIPE SCHEDULE												
SHEET #	PHASE	NAME	LENGTH	SIZE	SLOPE	START	INVERT IN	END	INVERT OUT	RESP.		
P-1	4	P-15	75.86'	42"	0.52%	ST-16 DI	272.39	ST-15 FES	272.00	HOA		
PP-22	4	P-16	102.41'	42"	0.50%	ST-17 CI	276.00	ST-16 DI	275.49	HOA		
P-1	4	P-17	24.55'	42"	0.49%	ST-18 CI	276.32	ST-17 CI	276.20	TOZ		
P-1	4	P-18	26.69'	42"	0.49%	ST-19 DI	276.65	ST-18 CI	276.52	HOA		
P-1	4	P-19	102.21'	42"	0.50%	ST-20 DI	277.36	ST-19 DI	276.85	HOA		
P-1	4	P-20	111.35'	36"	1.37%	ST-21 DI	280.03	ST-20 DI	278.50	HOA		
PP-22	4	P-21	123.29'	36"	0.81%	ST-22 DI	281.50	ST-21 DI	280.50	HOA		
PP-22	4	P-22	192.02'	36"	0.78%	ST-23 DI	283.00	ST-22 DI	281.50	HOA		
PP-22	4	P-23	184.34'	36"	0.71%	ST-24 DI	284.50	ST-23 DI	283.20	HOA		
P-1	4	P-24	138.38'	36"	0.94%	ST-25 DI	286.00	ST-24 DI	284.70	HOA		
P-1	4	P-25	19.41'	18"	4.12%	ST-26 DI	283.00	ST-22 DI	282.20	HOA		
P-1	4	P-26	66.53'	15"	1.20%	ST-27 DI	285.50	ST-23 DI	284.70	HOA		

PIPE SCHEDULE												
SHEET #	PHASE	NAME	LENGTH	SIZE	SLOPE	START	INVERT IN	END	INVERT OUT	RESP.		
PP-3	3	P-82	107.75'	18"	0.50%	ST-82 CI	273.68	ST-83 CI	273.14	TOZ		
PP-3	3	P-83	184.25'	24"	0.50%	ST-83 CI	272.64	ST-84 CI	271.72	TOZ		
P-2	3	P-84	44.26'	30"	0.50%	ST-84 CI	271.22	ST-83 FES	271.00	TOZ		
PP-3	3	P-84	116.85'	18"	0.69%	ST-84 CI	273.03	ST-84 CI	272.22	TOZ		
P-2	3	P-85	34.00'	15"	1.00%	ST-86 CI	273.62	ST-85 CI	273.28	TOZ		
P-2	3	P-86	22.56'	15"	0.53%	ST-87 DI	274.63	ST-86 CI	274.51	HOA		
P-2	3	P-86	34.00'	15"	0.50%	ST-90 CI	273.85	ST-82 CI	273.68	TOZ		
P-2	3	P-89	40.29'	15"	0.50%	ST-91 CI	274.05	ST-90 CI	273.85	TOZ		
P-2	3	P-91	25.00'	15"	0.52%	ST-92 CI	274.18	ST-91 CI	274.05	TOZ		
P-2	3	P-92	34.00'	15"	0.50%	ST-93 CI	273.56	ST-83 CI	273.39	TOZ		
P-2	3	P-93	28.06'	15"	0.50%	ST-94 DI	273.69	ST-93 CI	273.55	HOA		
P-2	3	P-94	34.00'	15"	0.50%	ST-95 CI	272.87	ST-84 CI	272.70	TOZ		
P-2	3	P-95	41.69'	15"	2.57%	ST-96 CI	273.94	ST-95 CI	272.87	TOZ		
P-2	3	P-96	25.00'	15"	1.32%	ST-97 CI	274.27	ST-96 CI	273.94	TOZ		

PIPE SCHEDULE												
SHEET #	PHASE	NAME	LENGTH	SIZE	SLOPE	START	INVERT IN	END	INVERT OUT	RESP.		




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## STRUCTURE DATA

ST-1 FES  
INV IN = 270.87 (P-1)  
INV OUT = 271.00 (P-1)

ST-2 CI  
RIM = 273.20  
INV IN = 273.33 (P-5)  
INV IN = 273.91 (P-8)  
INV OUT = 272.18 (P-2A)

ST-3 DI  
RIM = 279.02  
INV IN = 271.37 (P-2)  
INV OUT = 272.27 (P-3)

ST-3A CI  
RIM = 278.24  
INV IN = 271.07 (P-3A)  
INV IN = 272.50 (P-6)  
INV OUT = 271.77 (P-2)

ST-4 DI  
RIM = 281.02  
INV IN = 274.08 (P-4)  
INV IN = 271.67 (P-3)  
INV OUT = 271.17 (P-1)

ST-5 DI  
RIM = 282.57  
INV OUT = 276.62 (P-4)

ST-6 CI  
RIM = 278.78  
INV OUT = 273.58 (P-5)

ST-7 CI  
RIM = 280.33  
INV OUT = 274.68 (P-7)

ST-8 CI  
RIM = 280.15  
INV IN = 274.54 (P-7)  
INV OUT = 274.20 (P-6)

ST-9 DI  
RIM = 279.00  
INV IN = 275.10 (P-9)  
INV OUT = 274.90 (P-8)

ST-10 DI  
RIM = 280.62  
INV OUT = 276.68 (P-9)

## STRUCTURE DATA

ST-1 FES  
INV IN = 271.00 (P-30)  
INV OUT = 271.00 (P-30)

ST-31 CI  
RIM = 280.46  
INV IN = 272.03 (P-61)  
INV OUT = 271.52 (P-60)

ST-32 CI  
RIM = 282.13  
INV IN = 275.84 (P-57)  
INV OUT = 276.00 (P-32)

ST-33 CI  
RIM = 282.80  
INV IN = 275.70 (P-33)  
INV OUT = 273.50 (P-33A)

ST-34 CI  
RIM = 284.06  
INV IN = 276.30 (P-34)  
INV OUT = 276.10 (P-34)

ST-35 DI  
RIM = 275.72  
INV IN = 272.50 (P-33A)

ST-36 CI  
RIM = 284.06  
INV IN = 276.30 (P-34)

ST-37 CI  
RIM = 286.43  
INV IN = 280.50 (P-37)  
INV OUT = 280.42 (P-36)

ST-38 DI  
RIM = 287.15  
INV IN = 280.77 (P-38)  
INV IN = 281.00 (P-72)  
INV OUT = 280.54 (P-37)

ST-39 CI  
RIM = 287.32  
INV IN = 281.36 (P-39)  
INV IN = 281.25 (P-73)  
INV OUT = 281.00 (P-38)

ST-40 CI  
RIM = 287.98  
INV IN = 281.90 (P-40)  
INV OUT = 281.70 (P-39)

ST-41 CI  
RIM = 288.69  
INV IN = 282.45 (P-74)  
INV OUT = 282.20 (P-40)

ST-42 CI  
RIM = 285.59  
INV IN = 276.20 (P-17)  
INV OUT = 276.00 (P-16)

ST-43 CI  
RIM = 285.59  
INV IN = 276.52 (P-18)  
INV OUT = 276.32 (P-17)

ST-44 CI  
RIM = 285.99  
INV IN = 276.85 (P-19)  
INV OUT = 276.65 (P-18)

ST-45 DI  
RIM = 285.33  
INV IN = 276.50 (P-20)  
INV OUT = 277.36 (P-19)

ST-46 DI  
RIM = 289.28  
INV IN = 280.50 (P-21)  
INV OUT = 280.03 (P-20)

ST-47 CI  
RIM = 289.89  
INV IN = 281.50 (P-22)  
INV IN = 282.20 (P-25)  
INV OUT = 281.50 (P-21)

ST-48 CI  
RIM = 292.41  
INV IN = 283.20 (P-23)  
INV IN = 287.00 (P-26)  
INV OUT = 283.00 (P-22)

ST-49 CI  
RIM = 293.11  
INV IN = 284.70 (P-24)  
INV OUT = 284.50 (P-23)

ST-50 CI  
RIM = 293.00  
INV IN = 277.08 (P-50)  
INV OUT = 286.00 (P-49)

ST-51 CI  
RIM = 285.00  
INV IN = 279.44 (P-66)  
INV IN = 278.12 (P-51)  
INV OUT = 283.00 (P-25)

ST-52 CI  
RIM = 287.12  
INV IN = 278.87 (P-52)  
INV OUT = 287.67 (P-51)

ST-53 CI  
RIM = 286.72  
INV IN = 281.09 (P-53)  
INV IN = 279.85 (P-67)  
INV OUT = 279.10 (P-52)

ST-54 CI  
RIM = 289.90  
INV IN = 282.42 (P-54)  
INV OUT = 282.42 (P-53)

ST-55 CI  
RIM = 289.45  
INV IN = 282.80 (P-55)  
INV OUT = 282.80 (P-54)

ST-56 CI  
RIM = 290.09  
INV IN = 283.44 (P-56)  
INV OUT = 283.19 (P-55)

ST-57 CI  
RIM = 294.41  
INV OUT = 287.80 (P-56)

ST-58 CI  
RIM = 282.15  
INV IN = 277.14 (P-58)  
INV OUT = 276.00 (P-57)

ST-59 CI  
RIM = 275.50  
INV IN = 277.80 (P-59)

## STRUCTURE DATA

ST-60 DI  
RIM = 284.08  
INV OUT = 279.48 (P-59)

ST-62 CI  
RIM = 250.56  
INV IN = 273.68 (P-89)  
INV OUT = 273.68 (P-82)

ST-64 CI  
RIM = 280.46  
INV IN = 272.03 (P-61)  
INV OUT = 271.52 (P-60)

ST-66 CI  
RIM = 280.46  
INV IN = 272.83 (P-63)  
INV OUT = 272.63 (P-61)

ST-68 CI  
RIM = 281.69  
INV IN = 272.83 (P-63)  
INV OUT = 272.64 (P-63)

ST-70 CI  
RIM = 280.46  
INV IN = 272.03 (P-61)  
INV OUT = 271.52 (P-60)

ST-72 CI  
RIM = 282.58  
INV IN = 274.50 (P-63B)  
INV IN = 273.51 (P-63A)

ST-74 CI  
RIM = 280.27  
INV IN = 273.26 (P-63)  
INV OUT = 273.26 (P-63)

ST-76 CI  
RIM = 282.80  
INV IN = 271.72 (P-83)  
INV OUT = 271.20 (P-84)

ST-78 CI  
RIM = 280.00  
INV IN = 272.70 (P-94)  
INV OUT = 271.22 (P-83A)

ST-80 CI  
RIM = 280.00  
INV IN = 276.10 (P-111)  
INV OUT = 275.80 (P-105)

ST-82 CI  
RIM = 273.38  
INV IN = 271.00 (P-83A)

ST-84 CI  
RIM = 280.27  
INV IN = 273.26 (P-111)  
INV OUT = 273.26 (P-111)

ST-86 CI  
RIM = 281.53  
INV IN = 274.51 (P-88)  
INV OUT = 273.62 (P-85)

ST-88 CI  
RIM = 281.53  
INV IN = 273.26 (P-85)  
INV OUT = 273.62 (P-85)

ST-90 CI  
RIM = 280.70  
INV IN = 280.70 (P-68)  
INV OUT = 280.10 (P-67)

ST-92 CI  
RIM = 277.34  
INV IN = 273.85 (P-90)  
INV OUT = 273.59 (P-89)

ST-94 CI  
RIM = 281.53  
INV IN = 274.05 (P-90)  
INV OUT = 273.75 (P-69)

ST-96 CI  
RIM = 280.36  
INV IN = 283.75 (P-69)  
INV OUT = 276.28 (P-69)

ST-98 CI  
RIM = 280.27  
INV IN = 274.18 (P-91)  
INV OUT = 271.91 (P-70)

ST-100 CI  
RIM = 280.27  
INV IN = 274.18 (P-91)  
INV OUT = 271.91 (P-70)

ST-102 CI  
RIM = 280.46  
INV IN = 272.63 (P-86)

ST-104 CI  
RIM = 280.46  
INV IN = 272.63 (P-86)

ST-106 CI  
RIM = 280.46  
INV IN = 272.63 (P-86)

ST-108 CI  
RIM = 280.46  
INV IN = 272.63 (P-86)

ST-110 CI  
RIM = 257.13  
INV IN = 248.23 (P-111)  
INV OUT = 240.00 (P-104)

ST-112 CI  
RIM = 257.13  
INV IN = 248.23 (P-111)  
INV OUT = 240.00 (P-104)

ST-114 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-116 CI  
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ST-118 CI  
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ST-120 CI  
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ST-122 CI  
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ST-124 CI  
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ST-126 CI  
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ST-128 CI  
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ST-130 CI  
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INV OUT = 242.00 (P-104)

ST-132 CI  
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INV OUT = 242.00 (P-104)

ST-134 CI  
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INV OUT = 242.00 (P-104)

ST-136 CI  
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ST-138 CI  
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INV OUT = 242.00 (P-104)

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ST-142 CI  
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ST-144 CI  
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INV OUT = 242.00 (P-104)

ST-146 CI  
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INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-148 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-150 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-152 CI  
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INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-154 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-156 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-158 CI  
RIM = 250.56  
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INV OUT = 242.00 (P-104)

ST-160 CI  
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ST-162 CI  
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INV OUT = 242.00 (P-104)

ST-164 CI  
RIM = 250.56  
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ST-166 CI  
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ST-168 CI  
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INV OUT = 242.00 (P-104)

ST-170 CI  
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INV OUT = 242.00 (P-104)

ST-172 CI  
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INV OUT = 242.00 (P-104)

ST-174 CI  
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ST-176 CI  
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ST-178 CI  
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ST-180 CI  
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ST-182 CI  
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INV OUT = 242.00 (P-104)

ST-184 CI  
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INV OUT = 242.00 (P-104)

ST-186 CI  
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INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-188 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-190 CI  
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INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-192 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-194 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-196 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-198 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-200 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-202 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-204 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-206 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-208 CI  
RIM = 250.56  
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ST-210 CI  
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ST-212 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-214 CI  
RIM = 250.56  
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INV OUT = 242.00 (P-104)

ST-216 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
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ST-218 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-220 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-222 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-224 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-226 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-228 CI  
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INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

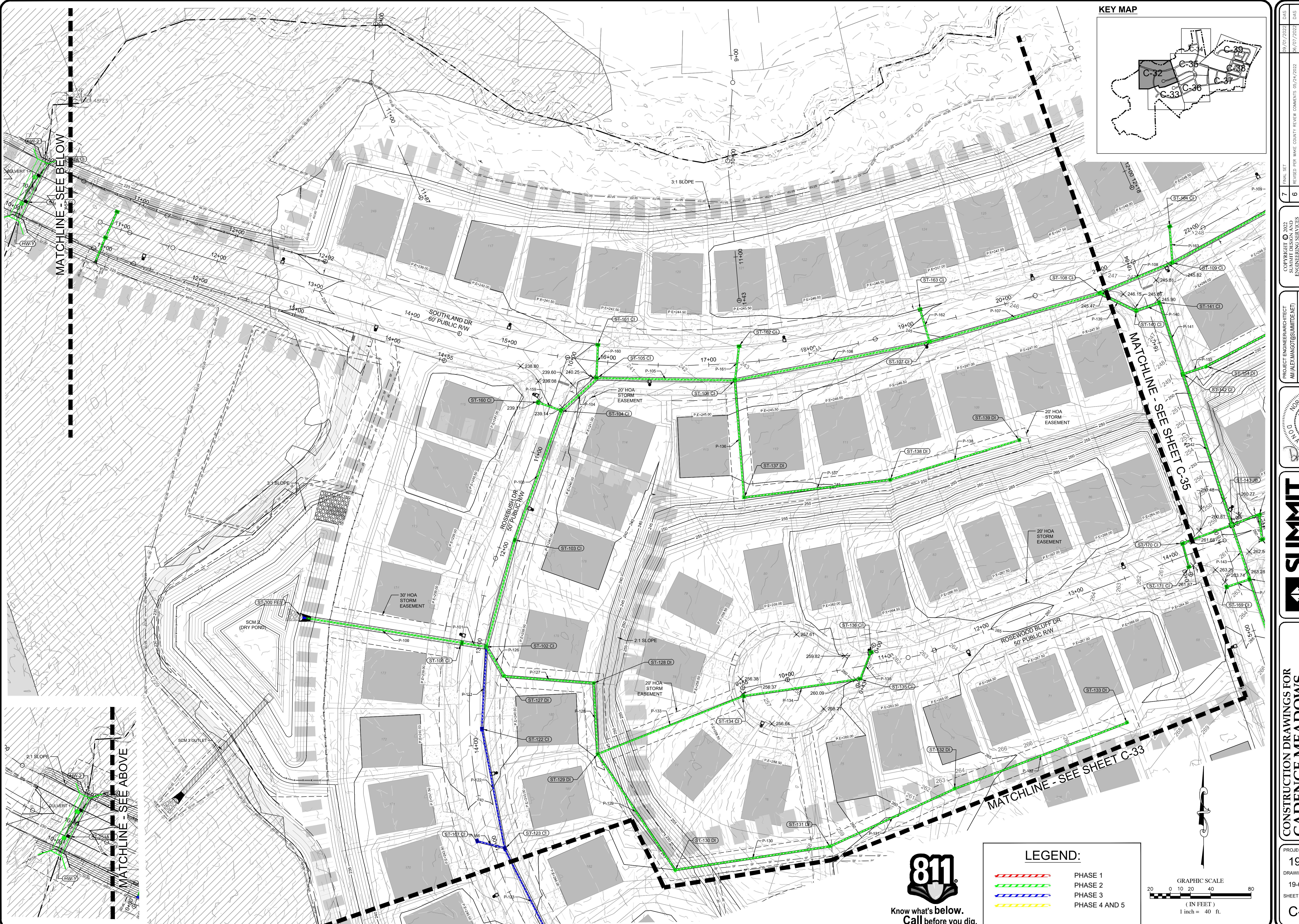
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INV OUT = 242.00 (P-104)

ST-232 CI  
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INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-234 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-236 CI  
RIM = 250.56  
INV IN = 249.98 (P-107)  
INV OUT = 242.00 (P-104)

ST-238 CI  
RIM = 250.56  
INV IN = 24



# GRADING & DRAINAGE PLAN

**DESIGN AND ENGINEERING SERVICES**  
P-0339  
Court C 27278

	REVISIONS	DATE	BY
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022	05/03/2022	DAS
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/24/2022	04/06/2022	DAS
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022	04/06/2022	DAS
2	REVISED PER WAKE COUNTY REVIEW COMMENTS 12/14/2022	02/25/2022	DAS
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/12/2021	01/07/2022	DAS

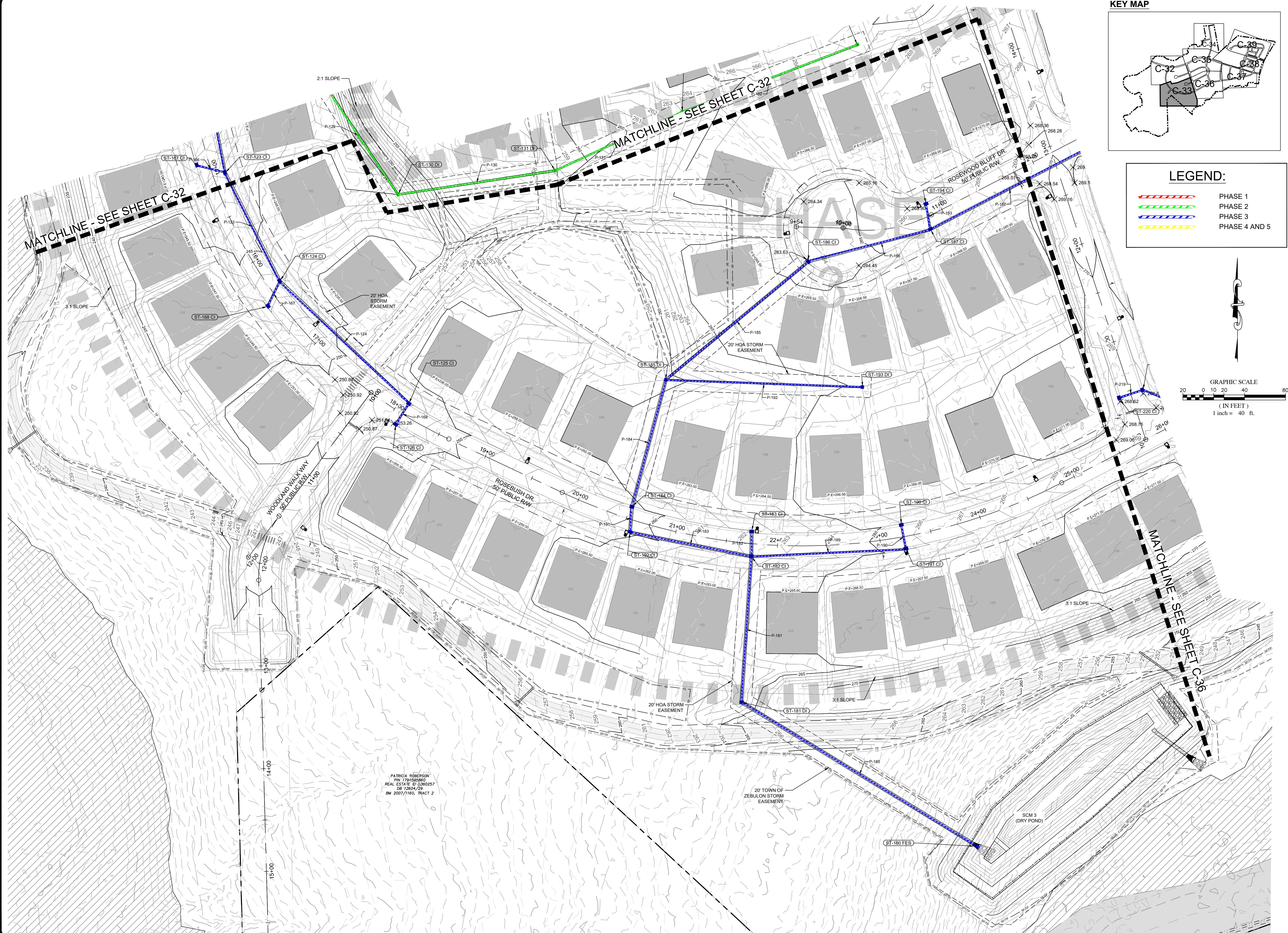
PROJECT MANAGER DAS(DON.SEVER@SUMMITDE.NET)	DRAWN BY JA (JIMMY.ASHLEY@SUMMITDE.NET)	FIRST ISSUE DATE 10-01-2021
<p>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY. ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.</p>		

**INN AND ENGINEERING SERVICES**

**DESIGN**  
State License #: P-0339  
20 Executive Court  
Hillsborough, NC 27743  
Voice: (919) 732-3883  
[www.summitde.net](http://www.summitde.net)

# GRADING & DRAINAGE P

CT NO.  
-0103  
NG NAME:  
0103\_g.dwg  
NO.



# GRADING & DRAINAGE PLAN

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_g.dwg**  
SHEET NO.  
**C-33**



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

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

**GRAPHIC SCALE**

A horizontal graphic scale with tick marks at 0, 10, 20, 40, and 80. The first 20 units are marked with a black and white checkered pattern. The remaining 60 units are marked with a solid black line.

( IN FEET )

1 inch = 40 ft.

## LEGEND:

- PHASE 1  
PHASE 2  
PHASE 3  
PHASE 4 AND 5

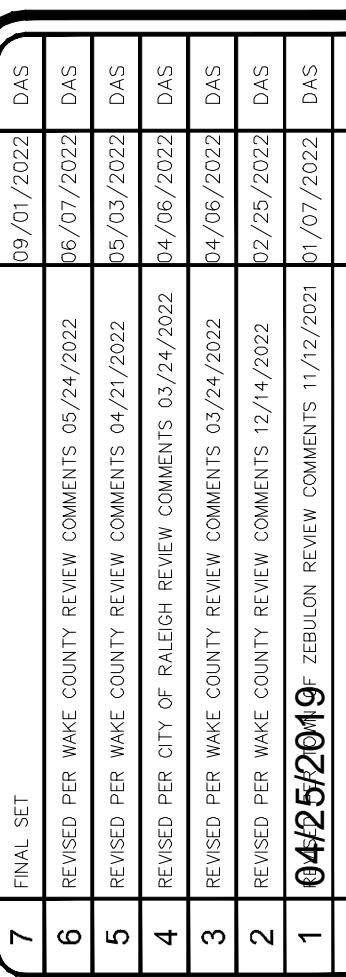


**SUMMIT**

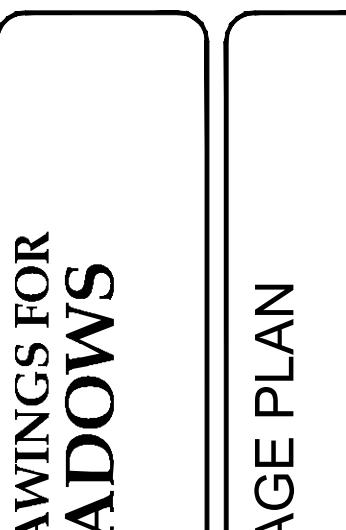
**SUMMIT**



A circular seal for a professional engineer. The outer ring contains the text "NORTH CAROLINA" at the top and "PROFESSIONAL" at the bottom, separated by a dotted line. The inner circle features the word "SEAL" at the top, "24627" in the center, and "DONALD J. MAGNER" around the bottom. The entire seal is set against a background of horizontal lines.



7	FINAL SET	09 / 01 / 2022	DAS
6	REVISED PER WAKE COUNTY REVIEW COMMENTS	05 / 24 / 2022	06 / 07 / 2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS	04 / 21 / 2022	05 / 03 / 2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS	03 / 24 / 2022	04 / 06 / 2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS	03 / 24 / 2022	04 / 06 / 2022
2	REVISED PER WAKE COUNTY REVIEW COMMENTS	12 / 14 / 2022	02 / 25 / 2022
1	<b>04/25/2019</b> F ZEBULON REVIEW COMMENTS	11 / 12 / 2021	01 / 07 / 2022

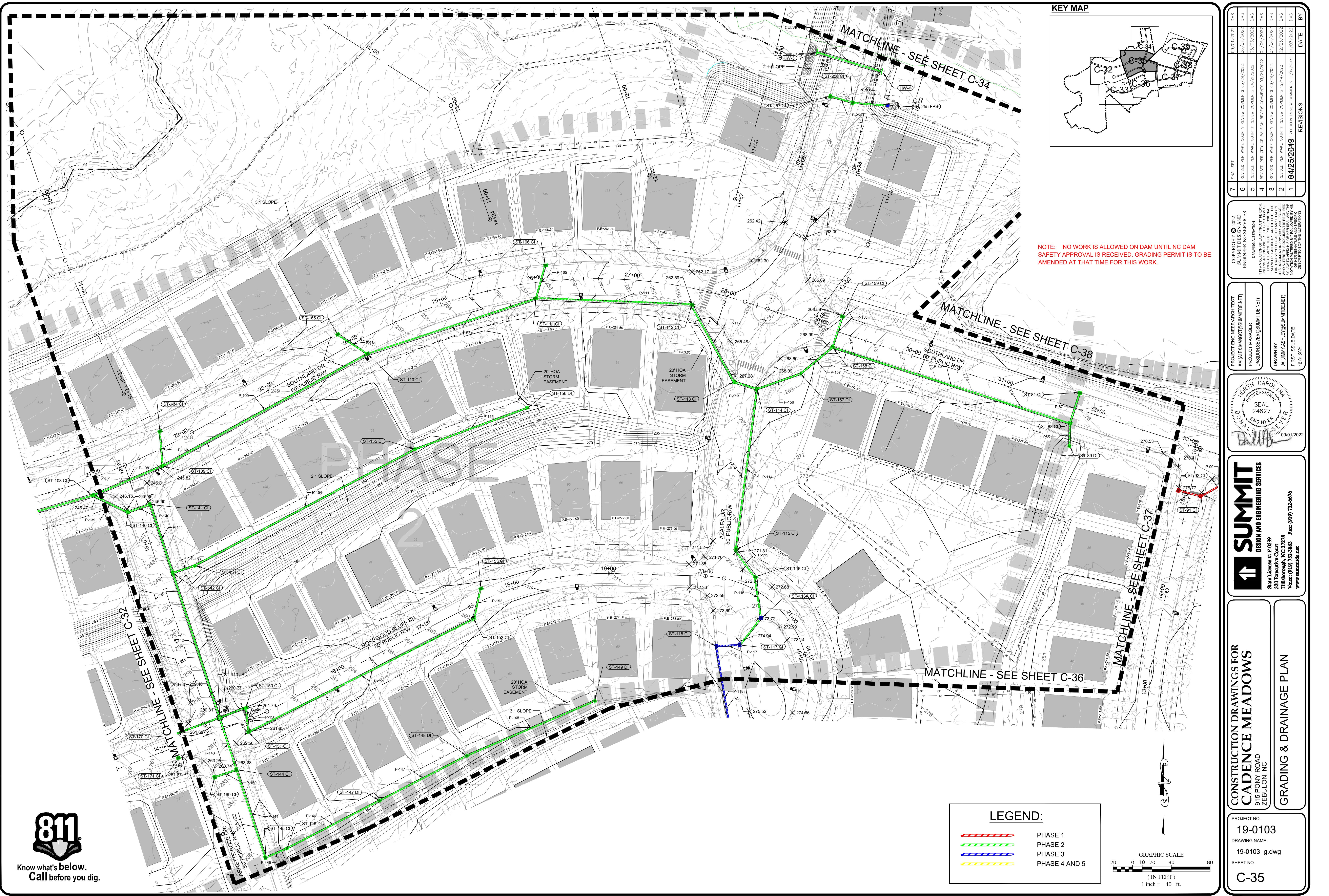


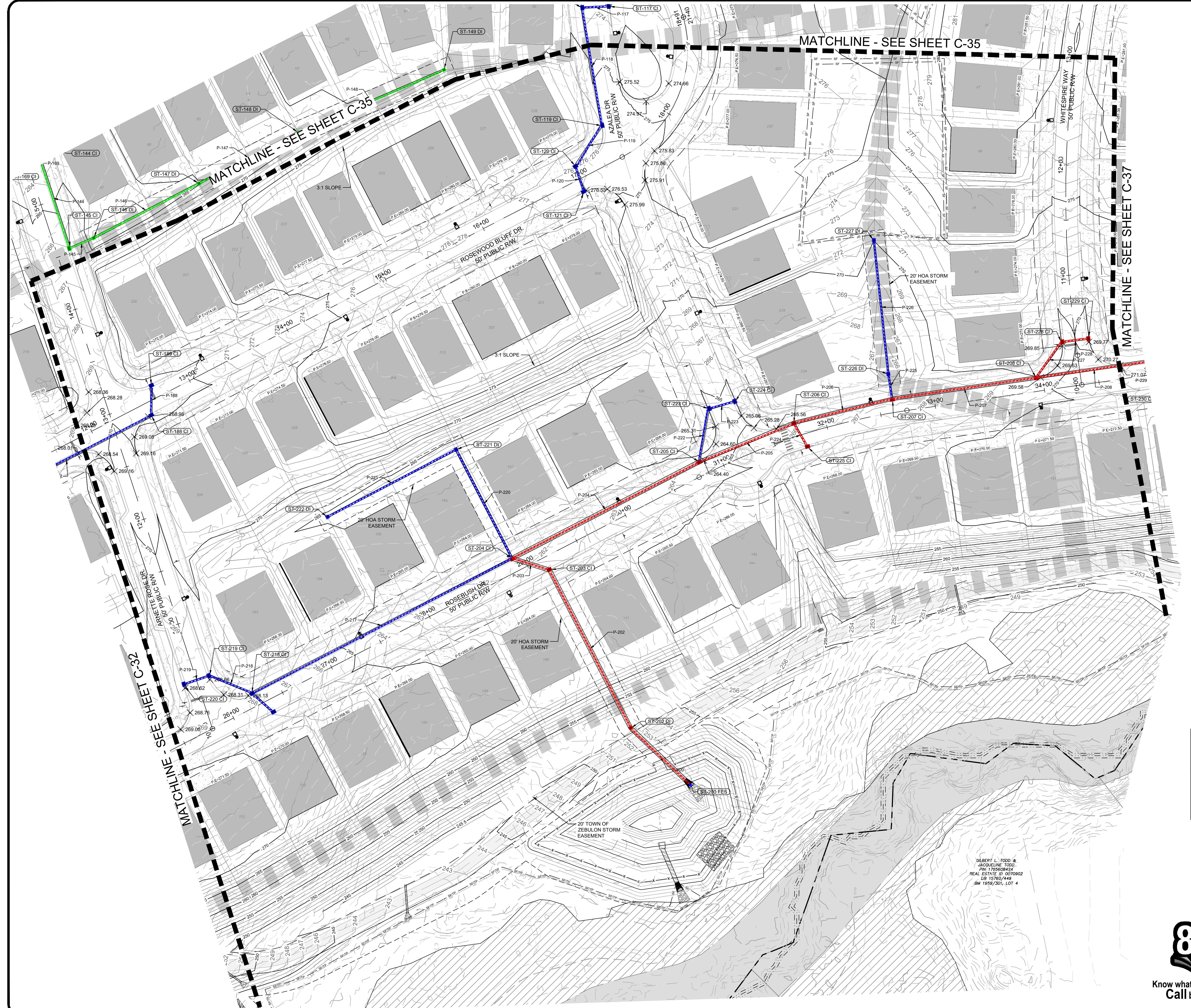
# DRAWINGS FOR SHADOWS

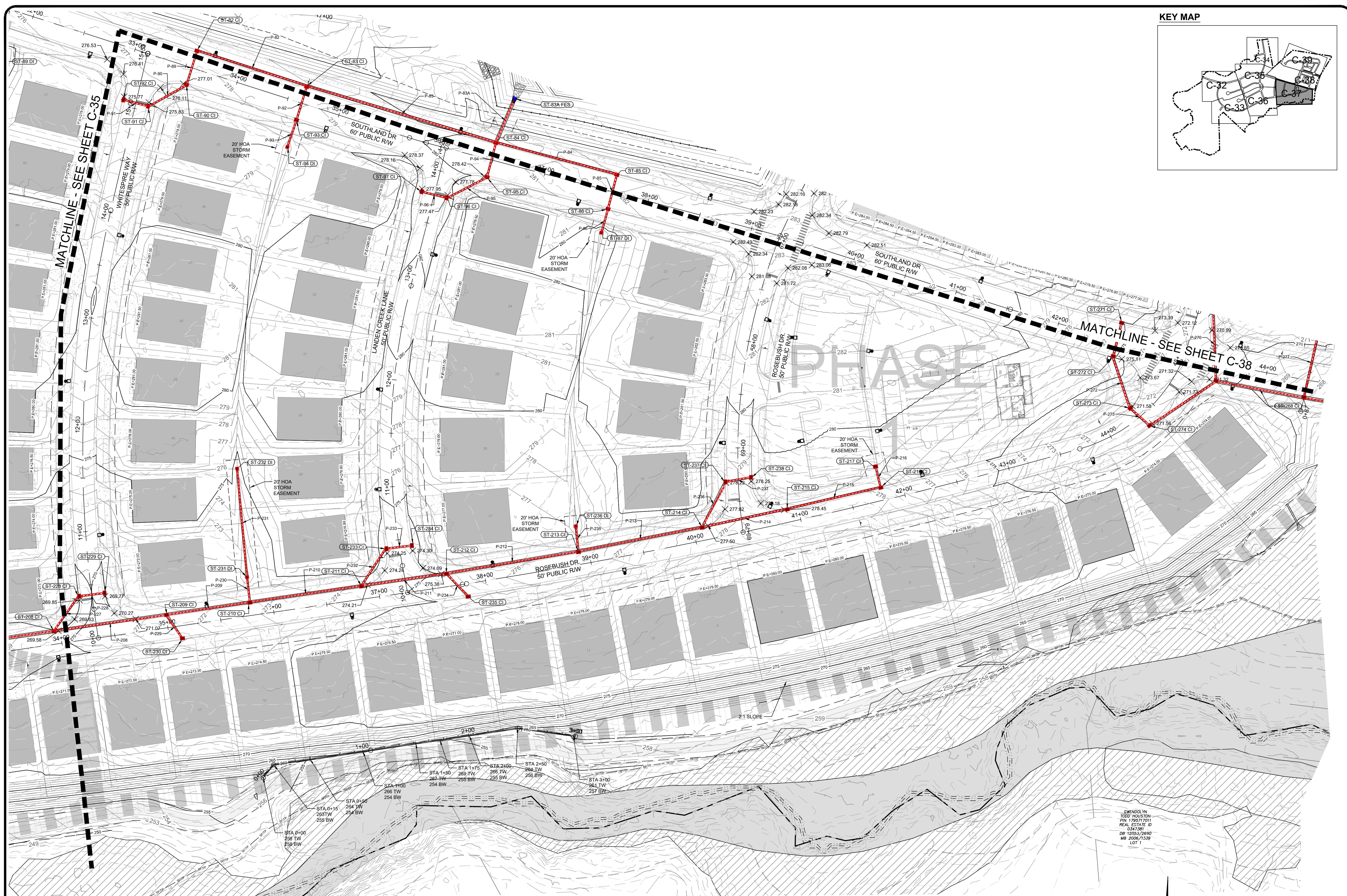
# IMAGE PLAN



PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_g.dwg**  
SHEET NO.  
**C-34**

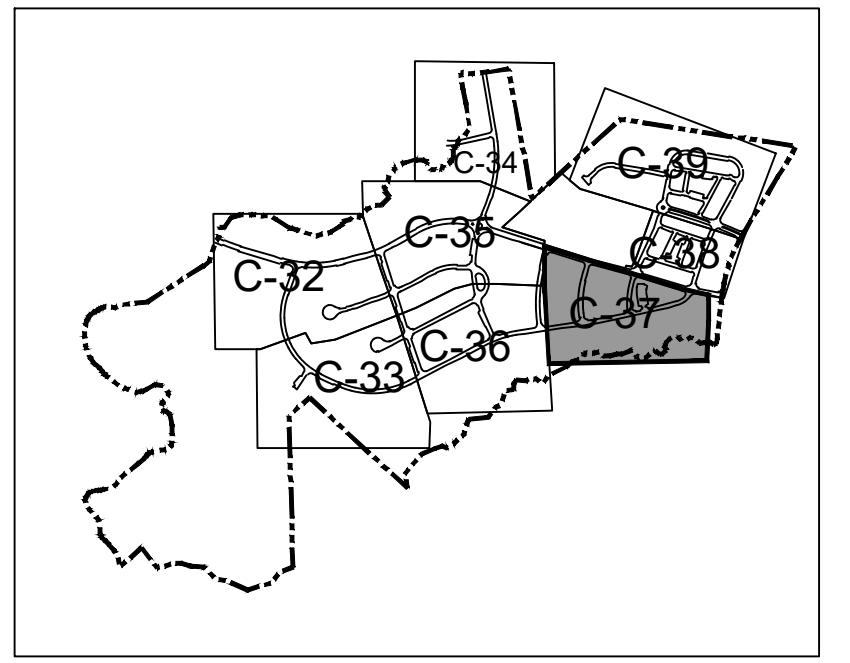






Know what's below.  
Call before you dig.

KEY MAP

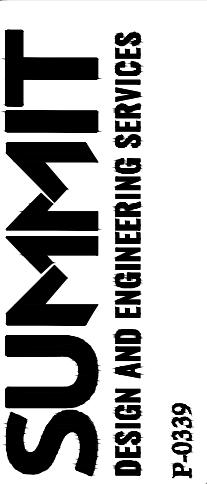


CONSTRUCTION DRAWINGS FOR  
**CADENCE MEADOWS**  
915 PONY ROAD  
ZEBULON, NC

GRADING & DRAINAGE PLAN

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_g.dwg**  
SHEET NO.  
**C-37**

GRAPHIC SCALE  
20 0 10 20 40 80  
(IN FEET)  
1 inch = 40 ft.



State License # P-4339  
330 Executive Court  
Hickory, NC 28633  
Voice: (828) 323-3883 Fax: (828) 722-6676  
www.summitde.net

7	FINAL SET	03/01/2022
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022	06/07/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022	05/03/2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/14/2022	04/06/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022	04/06/2022
2	REVISED PER WAKE COUNTY REVIEW COMMENTS 12/14/2021	02/25/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/12/2021	01/07/2022

REVISIONS

DATE BY

PROJECT ENGINEER/ARCHITECT  
AM (ALEXMANOT@SUMMITDE.NET)  
PROJECT MANAGER  
DASHIONSEV@SUMMITDE.NET)

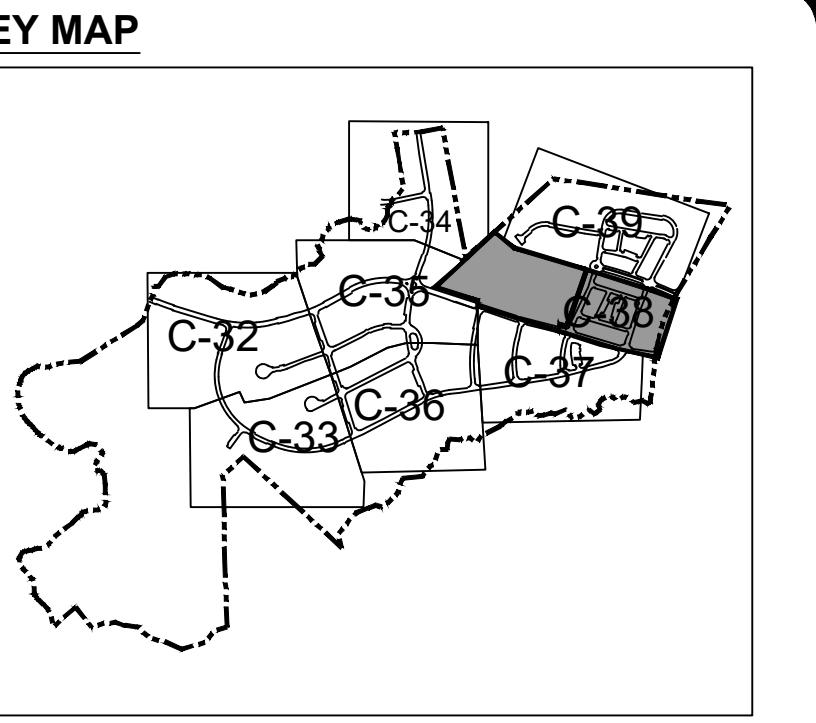
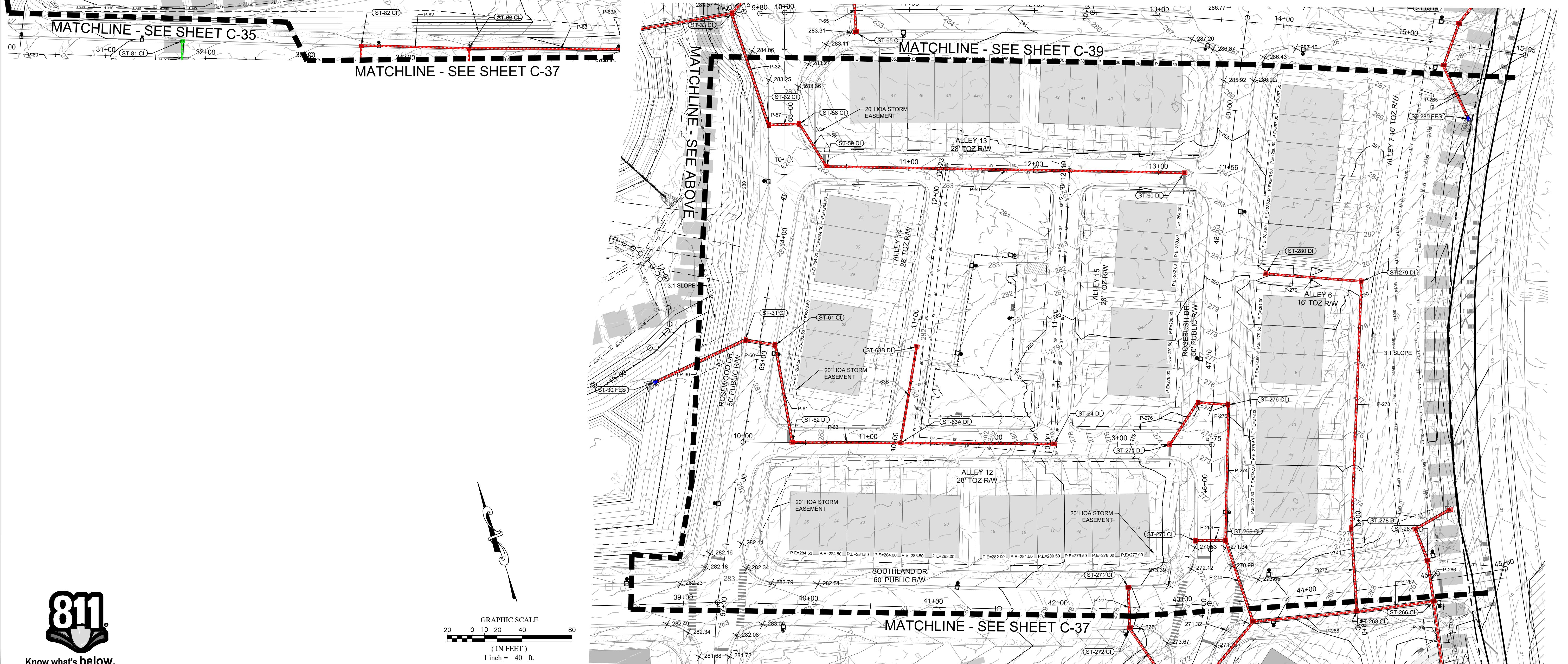
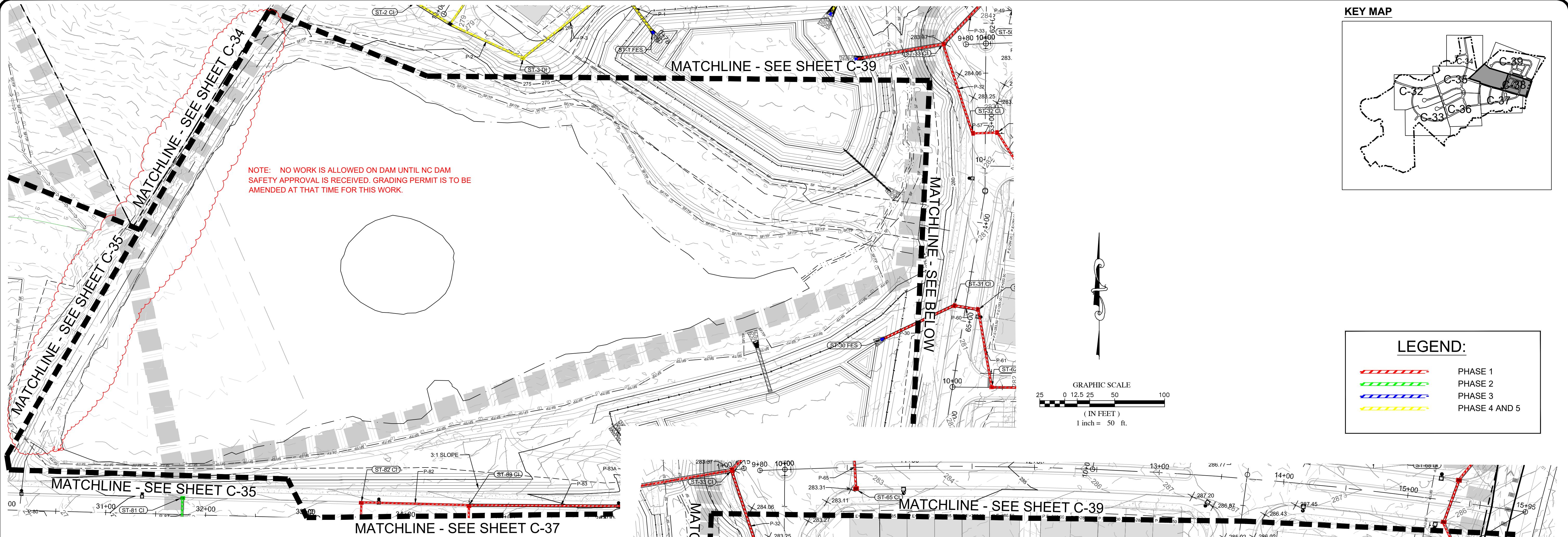
DRAWN BY  
JA (JIMMYASHLEY@SUMMITDE.NET)  
FIRST ISSUE DATE  
10/01/2021

SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEERS  
EVER  
DALE

09/01/2022

24627

DR



DATE	BY
09/01/2022	DAS

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AM (ALEXMANOT@SUMMITDESIGN.NET)

PROJECT ENGINEER/ARCHITECT  
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PROJECT MANAGER  
DASHIER (SEVEN@SUMMITDESIGN.NET)

DRAWN BY  
JA (JAMESHUEY@SUMMITDESIGN.NET)  
FIRST ISSUE DATE  
10/01/2021

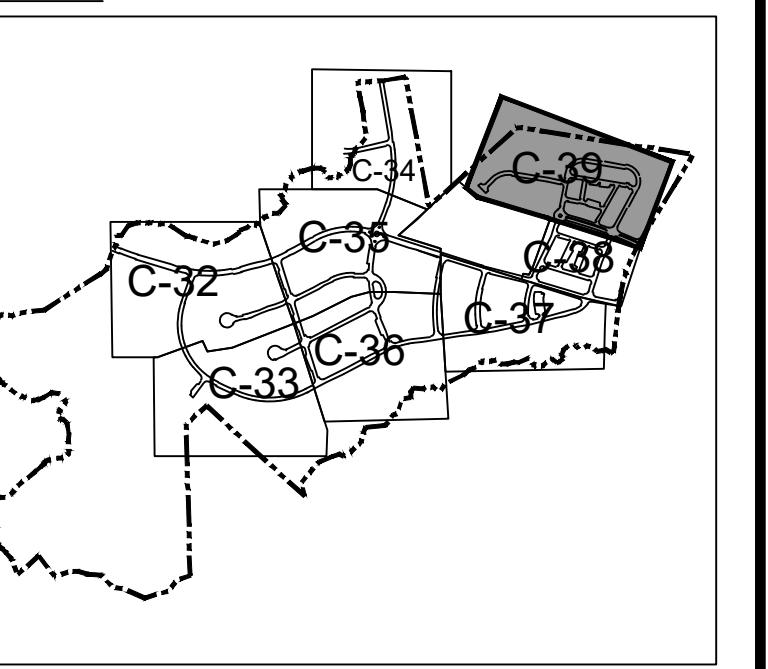
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NORTH CAROLINA  
PROFESSIONAL  
ENGINEERS  
SEAL  
REVERSED  
09/01/2022



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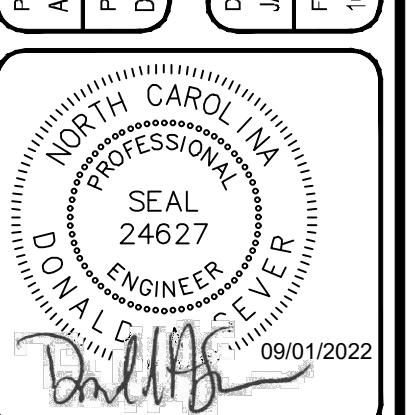
## KEY MAP



DATE	REVISIONS
09/01/2022	DAS
05/24/2022	DAS
04/21/2022	DAS
03/20/2022	DAS
01/14/2022	DAS
12/14/2022	DAS
11/12/2022	DAS
10/01/2021	DAS

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DASHON SEVER (SEVER@SUMMITDESIGN.NET)



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CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS  
GRADING & DRAINAGE PLAN  
915 PONY ROAD  
ZEBULON, NC

PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_g.dwg  
SHEET NO.  
C-39

MATCHLINE - SEE SHEET C-38

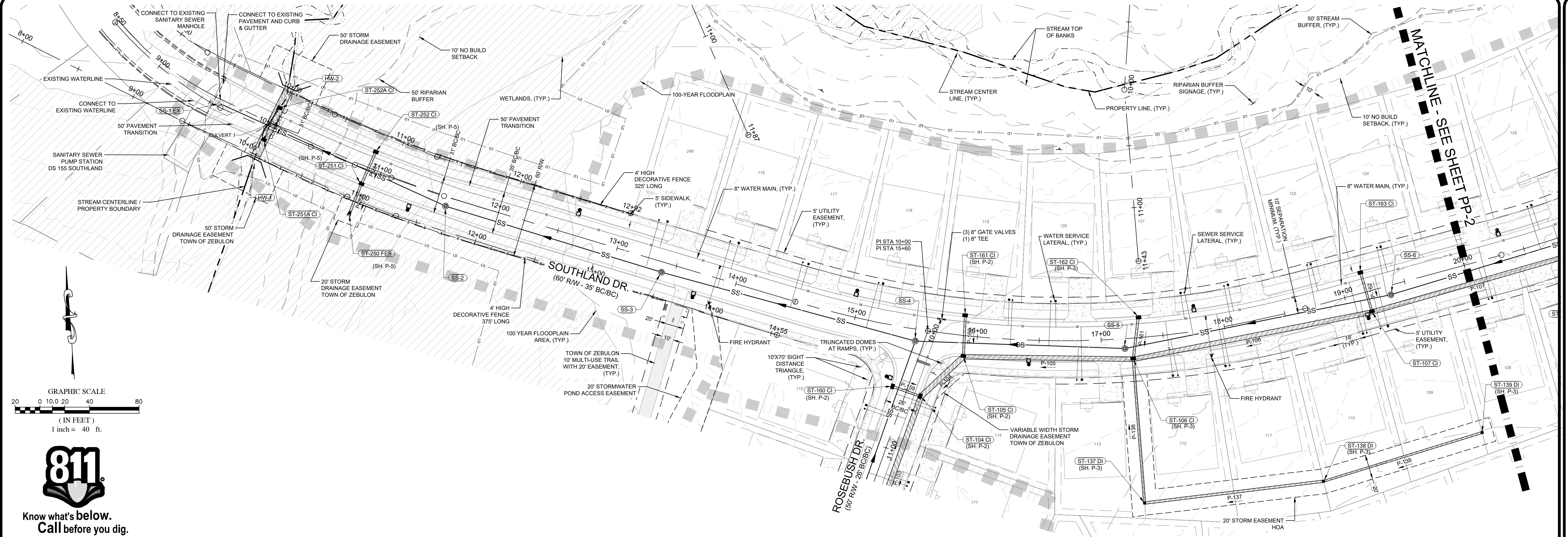
## LEGEND:

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4 AND 5



Know what's below.  
Call before you dig.

GRAPHIC SCALE  
(IN FEET)  
1 inch = 40 ft.



09/01/2022 DAS  
06/07/2022 DAS  
05/03/2022 DAS  
04/06/2022 DAS  
03/04/2022 DAS  
02/25/2022 DAS  
01/07/2022 DAS  
REVISIONS DATE BY

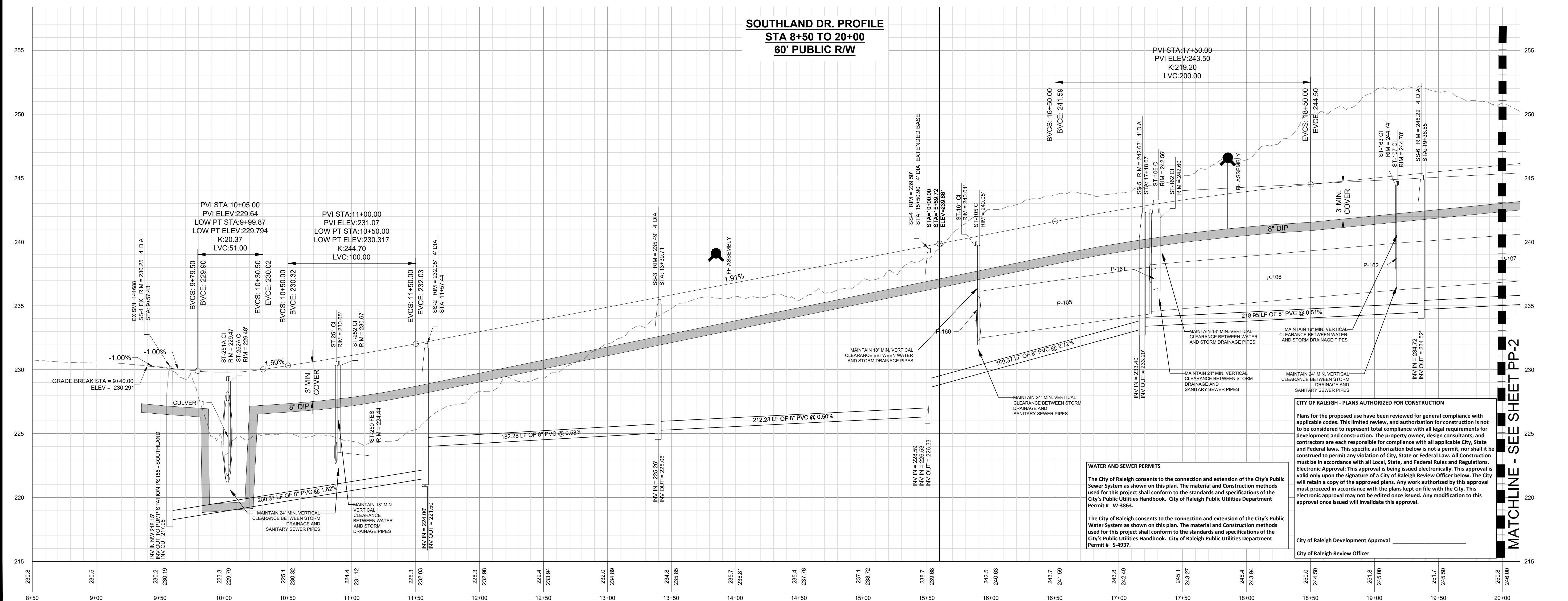
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ENGINEERING SERVICES (NET)  
PROJECT ENGINEER/ARCHITECT  
AM (ALEX MANGANO)@SUMMIT(NE)@NET  
PROJECT MANAGER  
DAS(DON SEVER)@SUMMIT(NE)@NET  
DRAWN BY  
JAHMY ASHLEY@SUMMIT(NE)@NET  
FIRST ISSUE DATE  
04/01/2021

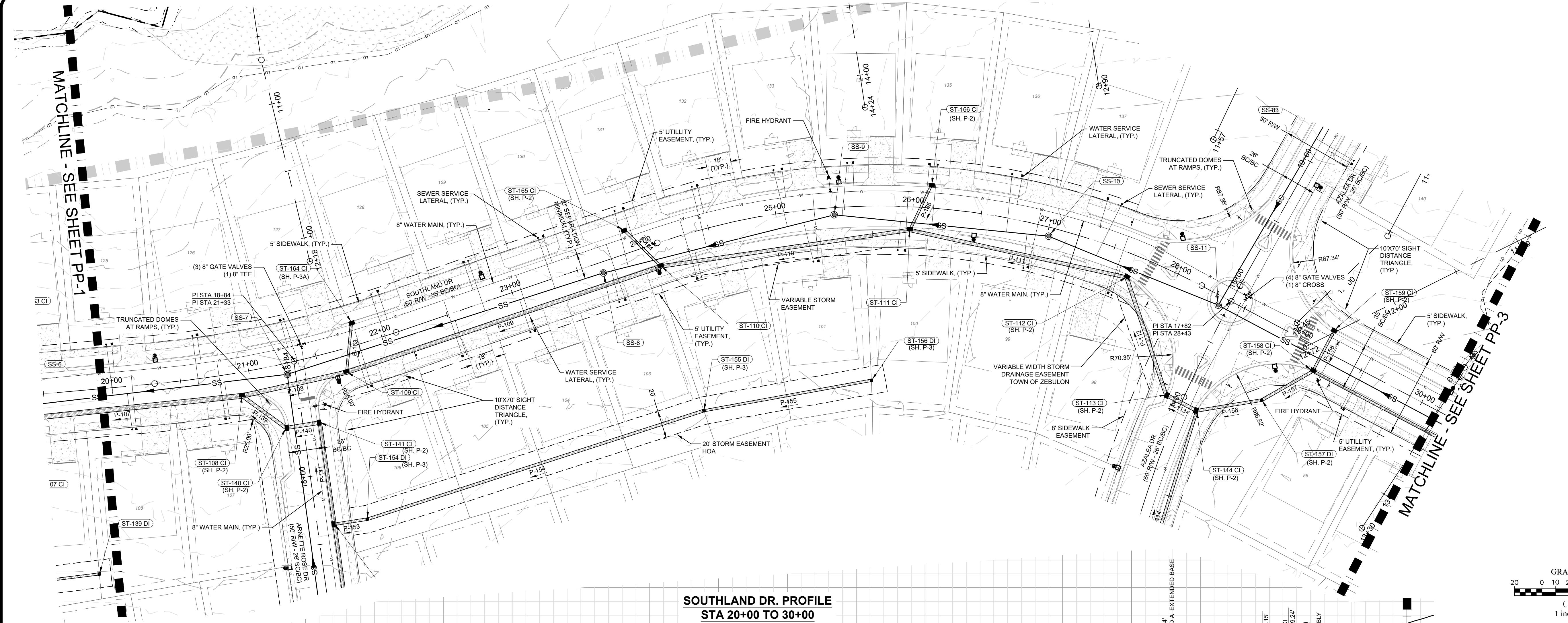


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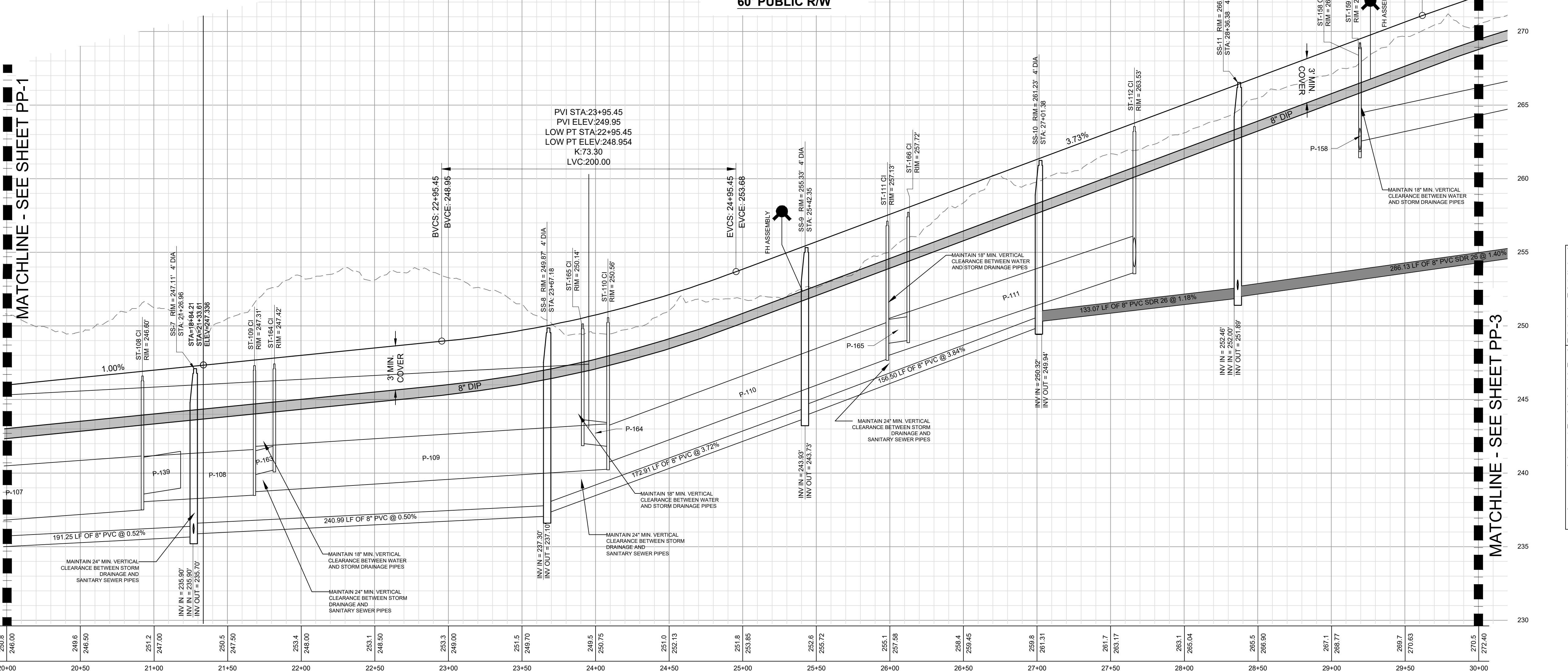
CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS  
915 PONY ROAD  
ZEBULON, NC  
PLAN & PROFILE  
SOUTHLAND DR. - STA 8+50 TO 20+00  
PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_pp.dwg  
SHEET NO.  
PP-1

### SOUTHLAND DR. PROFILE STA 8+50 TO 20+00 60' PUBLIC R/W





**SOUTHLAND DR. PROFILE  
STA 20+00 TO 30+00  
60' PUBLIC R/W**



Know what's below.  
Call before you dig.

**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

PROJECT NO.: 19-0103  
DRAWING NAME: 19-0103\_pp.dwg  
SHEET NO.: PP-2

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320 Executive Court  
Hickory, NC 28758 Fax: (910) 732-6656  
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**PLAN & PROFILE  
SOUTHLAND DR. - STA 20+00 TO 30+00**

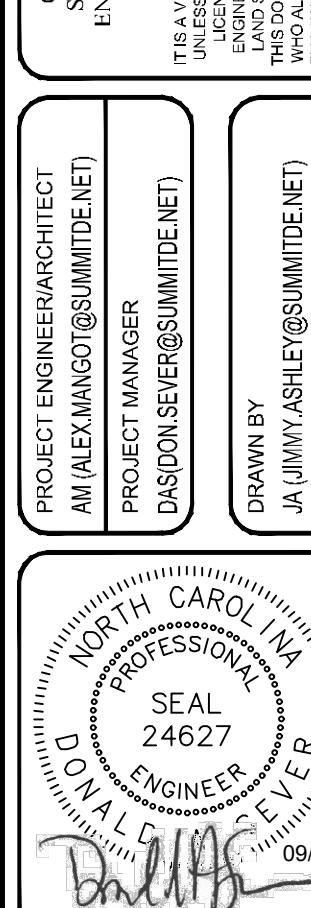
**WATER AND SEWER PERMITS**  
The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3863.

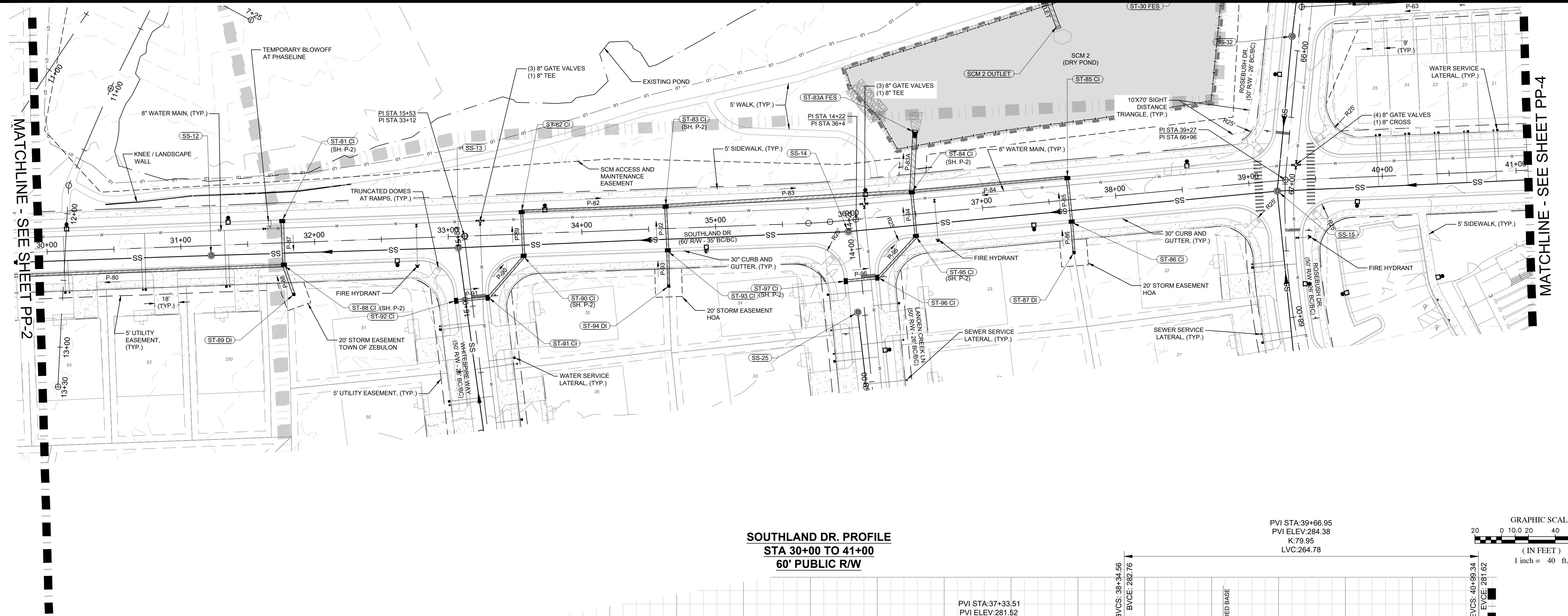
**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be construed to represent final approval of all legal requirements for development and construction. The property owners, architect, and contractors are each responsible for compliance with all applicable State, City and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All construction must be in accordance with all Local, State, and Federal Rules and Regulations. Electronic Approval: This approval is electronic and is valid only if signed by the City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

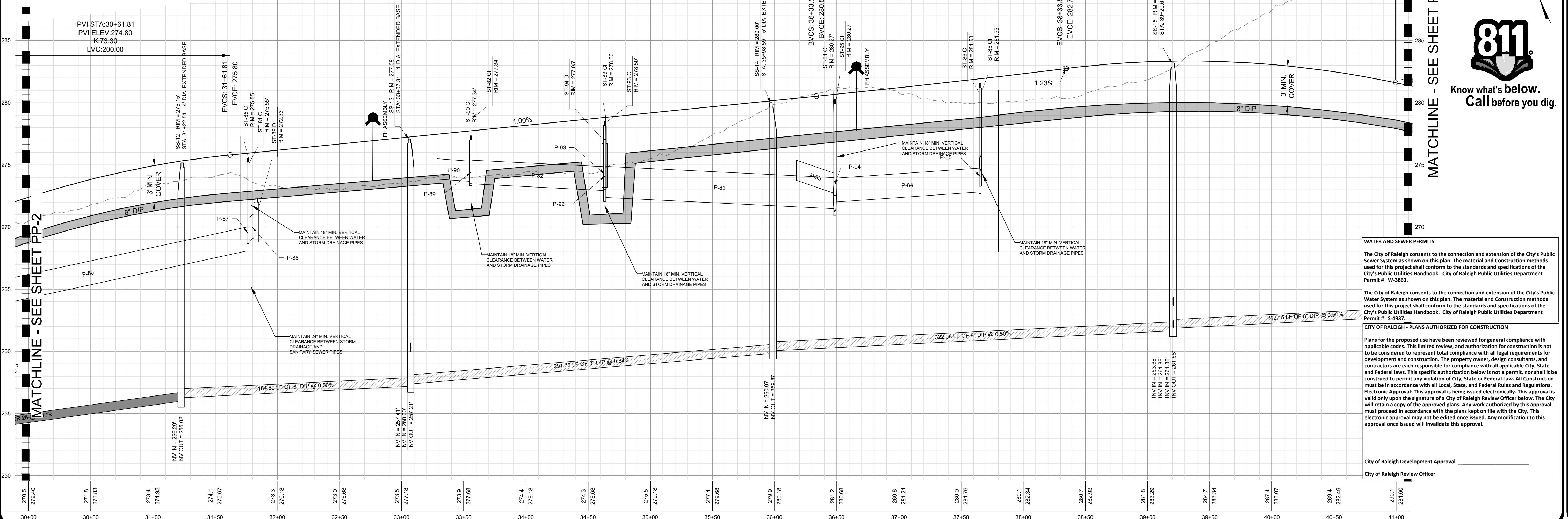
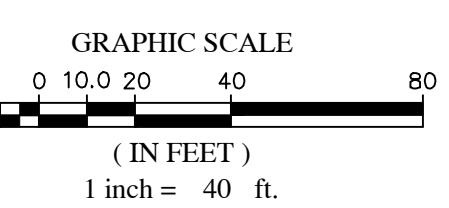
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6	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/24/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/24/2022
4	REVISED PER CITY OF ZEBULON REVIEW COMMENTS 03/14/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/26/2022
2	REVISED PER CITY OF ZEBULON REVIEW COMMENTS 03/14/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 01/12/2021
	DATE BY





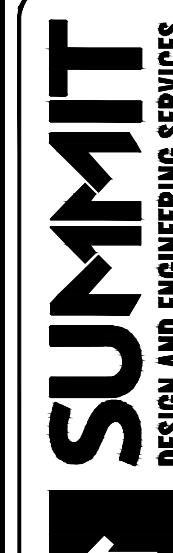
**SOUTHLAND DR. PROFILE**  
STA 30+00 TO 41+00  
60' PUBLIC R/W

PVI STA:39+66.95  
PVI ELEV:284.38  
K:79.95  
LVC:264.78



### CONSTRUCTION DRAWINGS FOR CADENCE MEADOWS

PROJECT NO.: 19-0103  
DRAWING NAME: 19-0103\_pp.dwg  
SHEET NO.: PP-3



81  
Know what's below.  
Call before you dig.

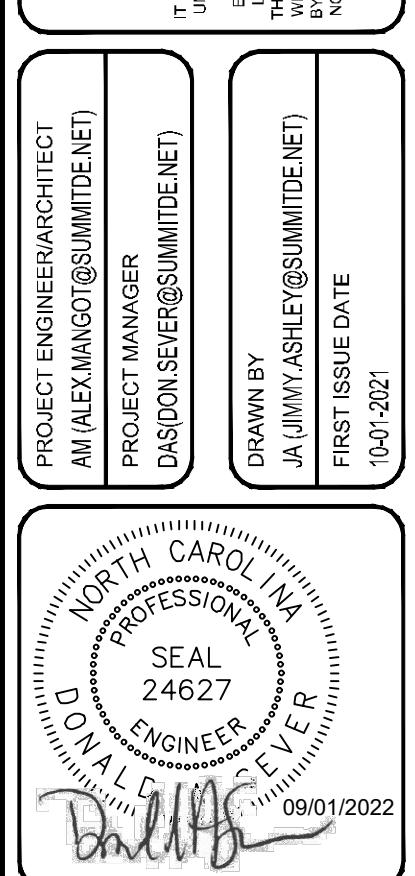
PLAN & PROFILE  
SOUTHLAND DR. - STA 30+00 TO 41+00

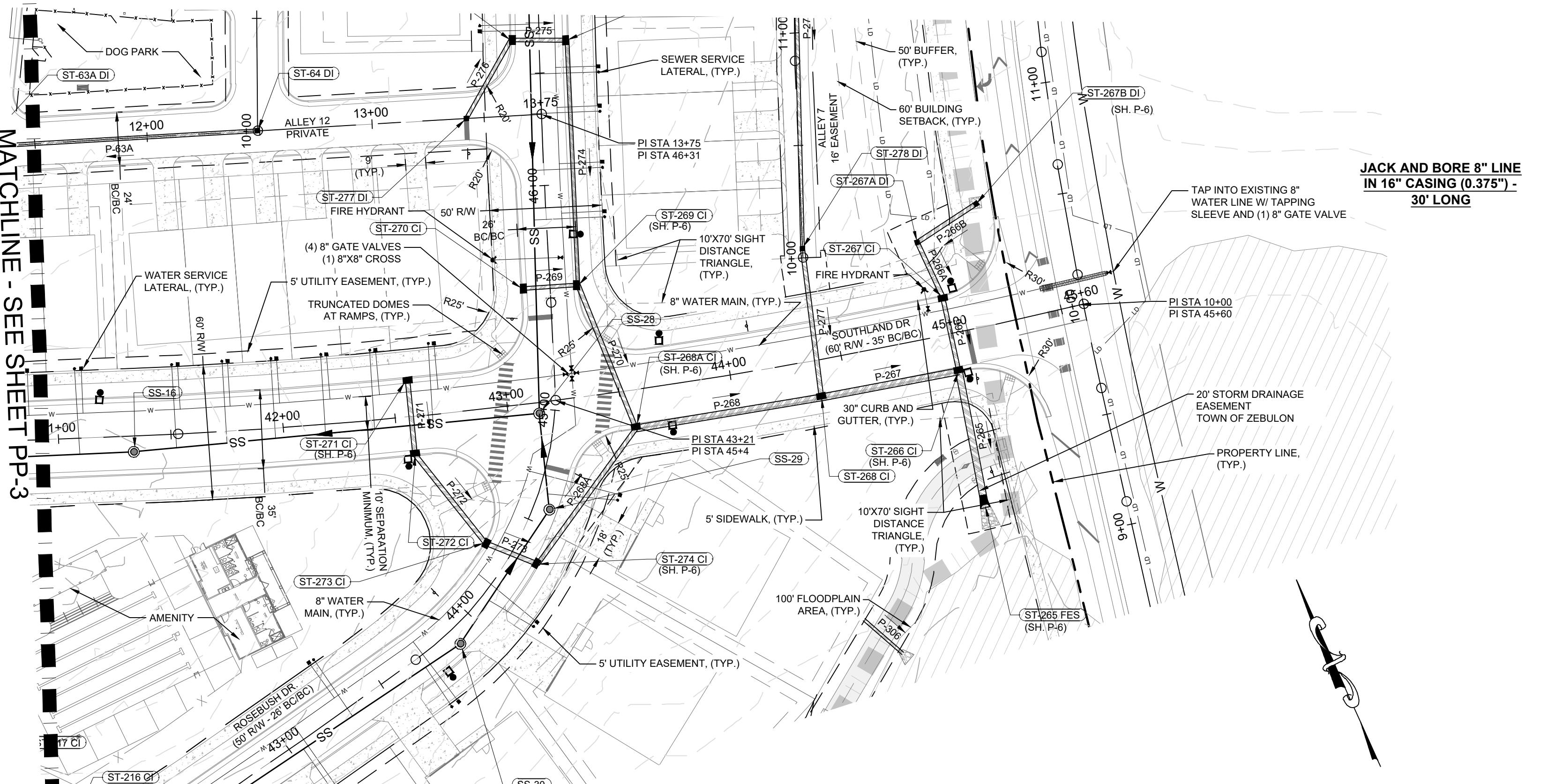
CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION  
The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3863.

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # S-4937.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

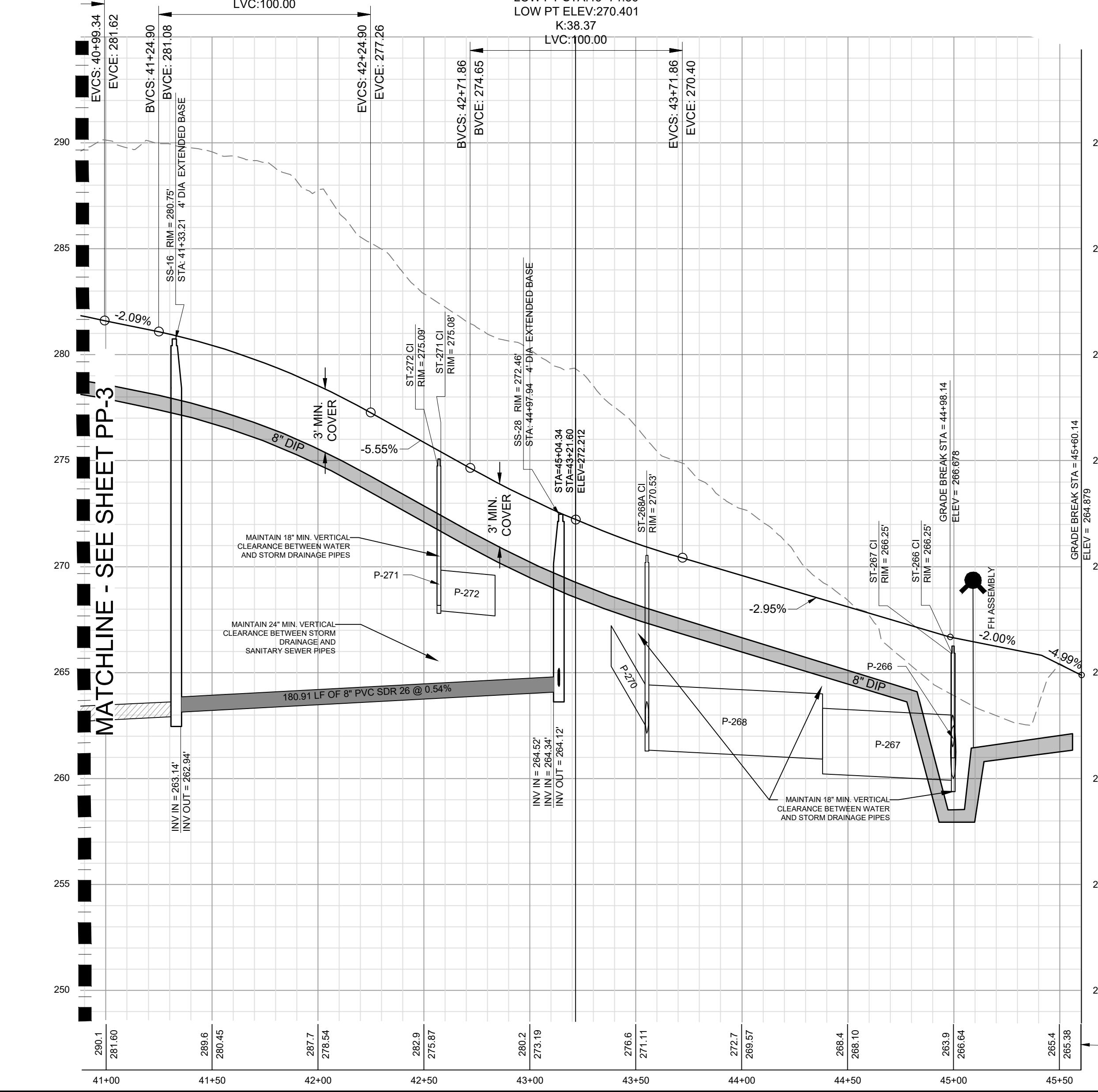
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4	REVISED PER CITY OF FAIRLEIGH REVIEW COMMENTS 03/21/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022
2	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 01/12/2021
	DATE BY





**SOUTHLAND DR. PROFILE  
STA 41+00 TO 45+60 (END)  
60' PUBLIC R/W**

GRAPHIC SCALE  
(IN FEET)  
1 inch = 40 ft.



**WATER AND SEWER PERMITS**  
The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3863.  
**CITY OF RALEIGH - PLAN AUTHORIZED FOR CONSTRUCTION**  
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**Electronic Approval:** This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the original plan. Any subsequent modification or approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.  
City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_pp.dwg  
SHEET NO.  
PP-4

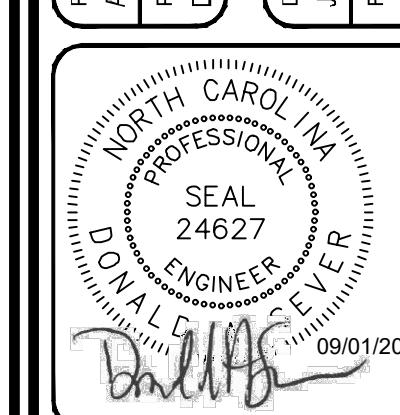


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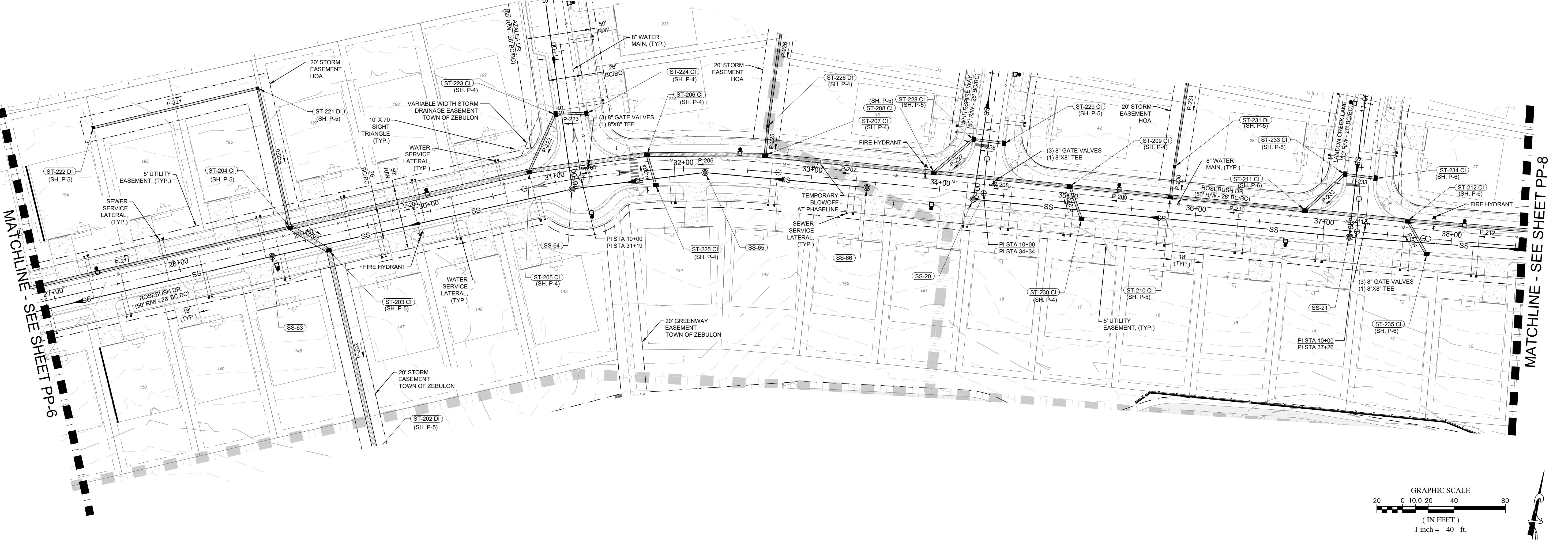
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4	REVISED PER CITY OF FAIRLEIGH REVIEW COMMENTS 05/27/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022
2	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 05/27/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 05/27/2022
	REVISIONS
	DATE BY



1	REVISIONS
2	DESCRIPTION OF THE TERRAIN
3	LAND SURVEY TO DETERMINE THE EXACT LOCATION OF THE PROPERTY LINE AND THE EXACT LOCATION OF THE EXISTING AND PROPOSED IMPROVEMENTS
4	THE LOCATION OF THE EXISTING AND PROPOSED IMPROVEMENTS IS NOT TO BE CONSTRUED AS A CONCERN TO THE EXISTING OR PROPOSED IMPROVEMENTS
5	THE DRAWINGS ARE NOT TO BE CONSTRUED AS A CONCERN TO THE EXISTING OR PROPOSED IMPROVEMENTS
6	THE DRAWINGS ARE NOT TO BE CONSTRUED AS A CONCERN TO THE EXISTING OR PROPOSED IMPROVEMENTS
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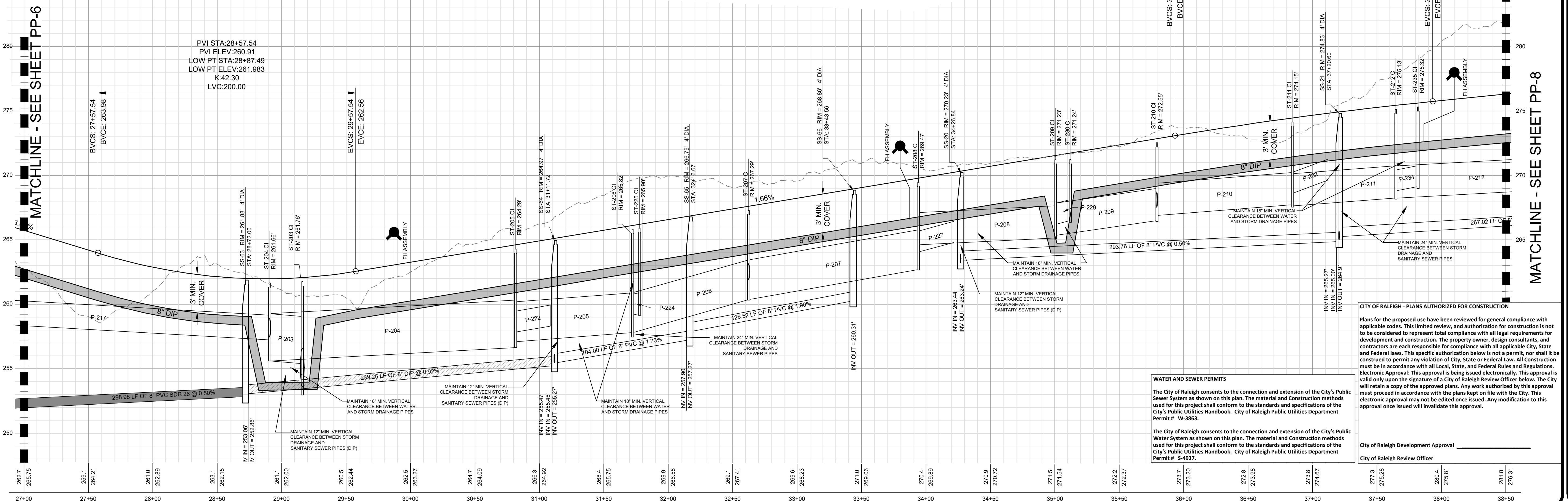




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**ROSEBUSH DR. PROFILE**  
**STA 27+00 TO 38+50**  
**50' PUBLIC R/W**

PVI STA:36+93.13  
PVI ELEV:274.13  
HIGH PT STA:37+93.13  
HIGH PT ELEV:275.742  
K:304.99  
LVC:200.00



CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS

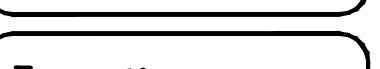
PROJECT NO.:  
19-0103

DRAWING NAME:  
19-0103\_pp.dwg

SHEET NO.:

PP-7

7	FINAL SET
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5	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/17/2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 05/14/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022
2	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 05/24/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 05/12/2022
BY	REVISIONS



09/11/2022

Donald C. Clever

Jaimy Ashle

09/11/2022

www.summitite.net

First Issue Date

10/1/2021

Donald C. Clever

Jaimy Ashle

09/11/2022

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Engineer  
Seal  
24627

Donald C. Clever

09/11/2022

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Drawn By

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09/11/2022

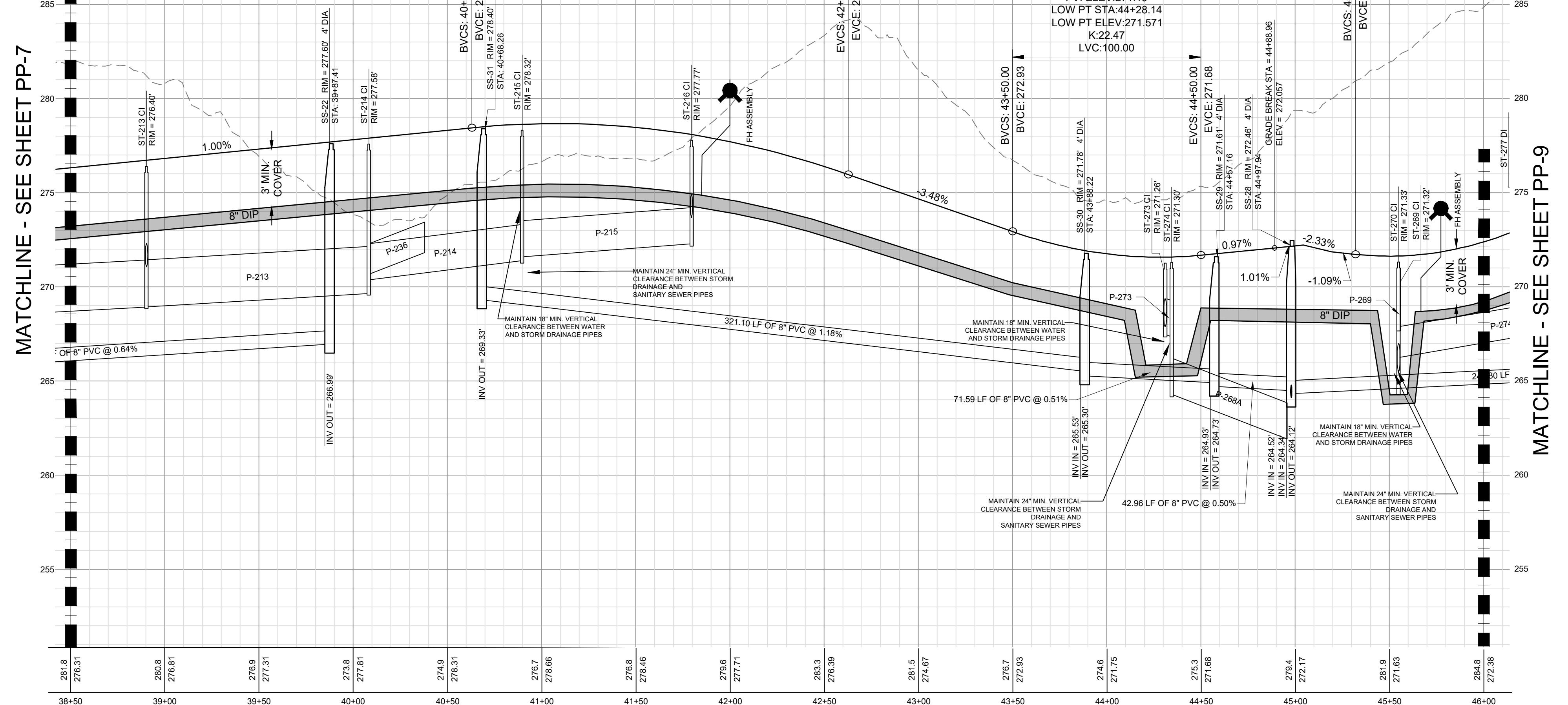
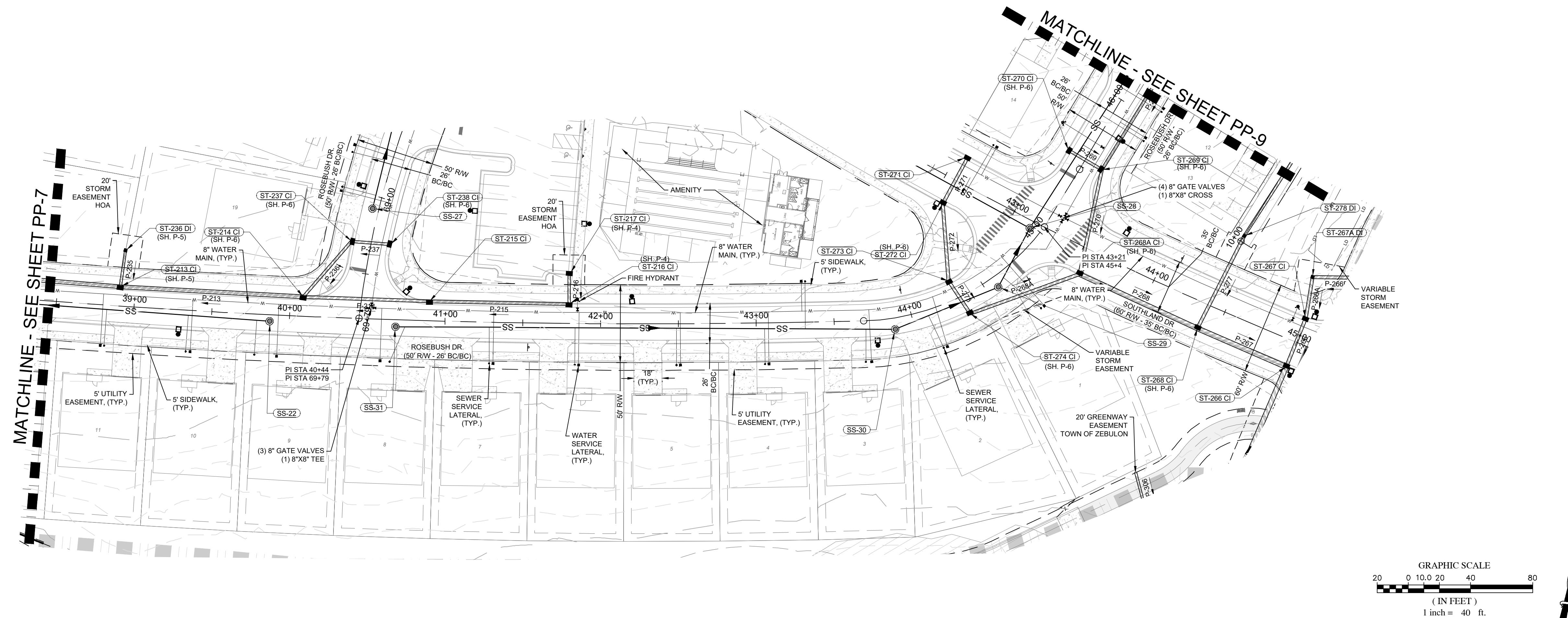
North Carolina  
Professional  
Engineer  
Seal  
24627

Donald C. Clever

09/11/2022

Jaimy Ashle

09/11/2022



**WATER AND SEWER PERMITS**  
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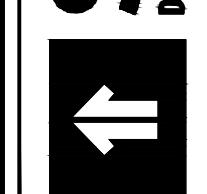
**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

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City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

### CONSTRUCTION DRAWINGS FOR CADENCE MEADOWS

PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_pp.dwg  
SHEET NO.  
PP-8



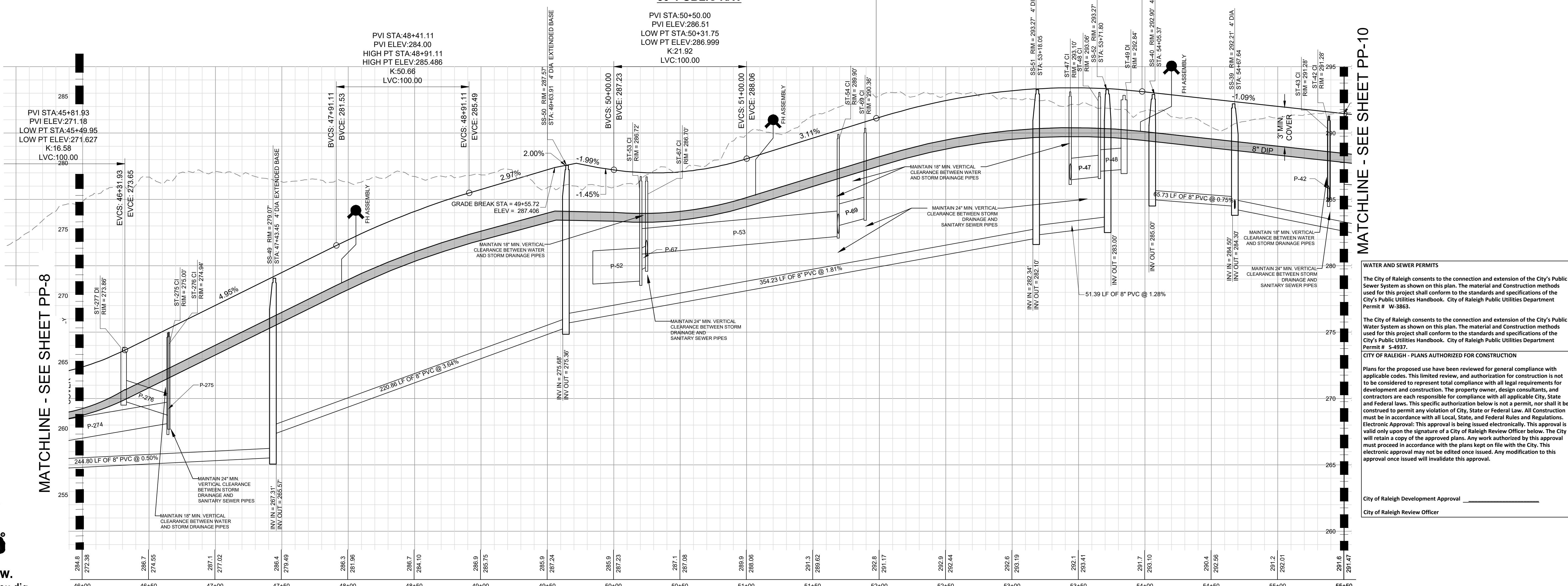
7	FINAL SET
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 08/24/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/4/2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/21/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/14/2022
2	REVISED PER WAKE COUNTY REVIEW COMMENTS 11/12/2021
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/07/2022
	REVISIONS
	DATE



Know what's below.  
Call before you dig.



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



**ROSEBUSH DR. PROFILE**  
**STA 46+00 TO 55+50**  
**50' PUBLIC R/W**

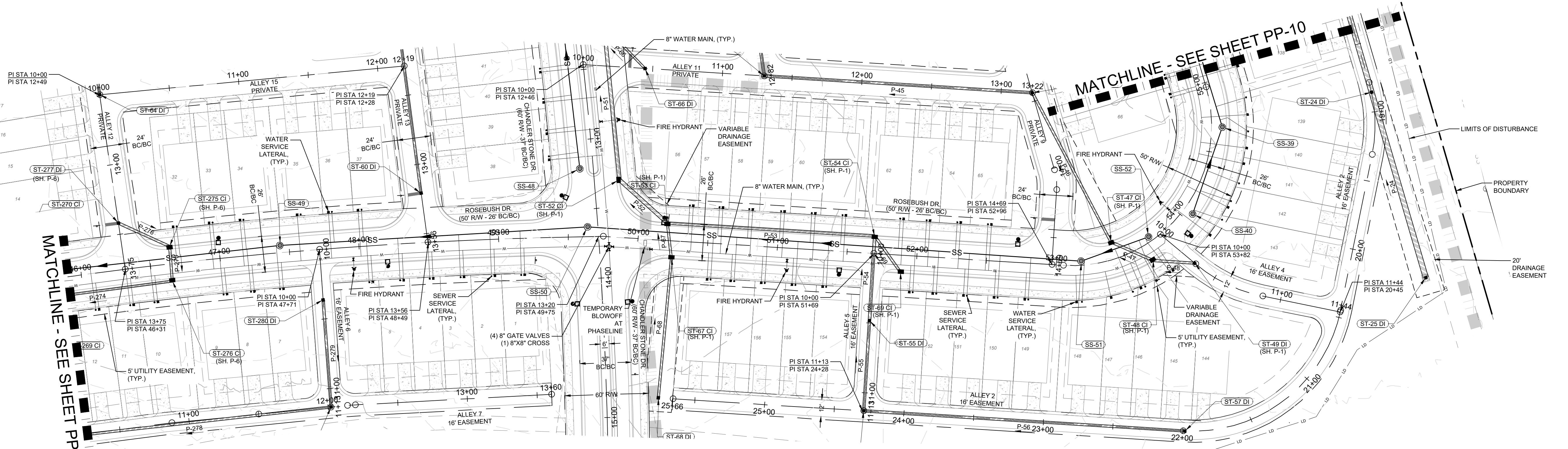
PVI STA:52+97.69  
PVI ELEV:294.22  
HIGH PT STA:53+45.83  
HIGH PT ELEV:293.409  
K:47.58  
LVC:200.00

A graphic scale diagram consisting of a horizontal line with tick marks. The first tick mark is labeled '0'. The second tick mark is labeled '10.0'. The third tick mark is labeled '20'. The fourth tick mark is labeled '40'. The fifth tick mark is labeled '80'. Below the line, the text '( IN FEET )' is centered. At the bottom, the text '1 inch = 40 ft.' is centered.

MATCHLINE

MATCHLINE - SEE SHEET PP-10

MATCHLINE - SEE SHEET PP-10



**SUMMIT**  
DESIGN AND ENGINEERING SERVICES

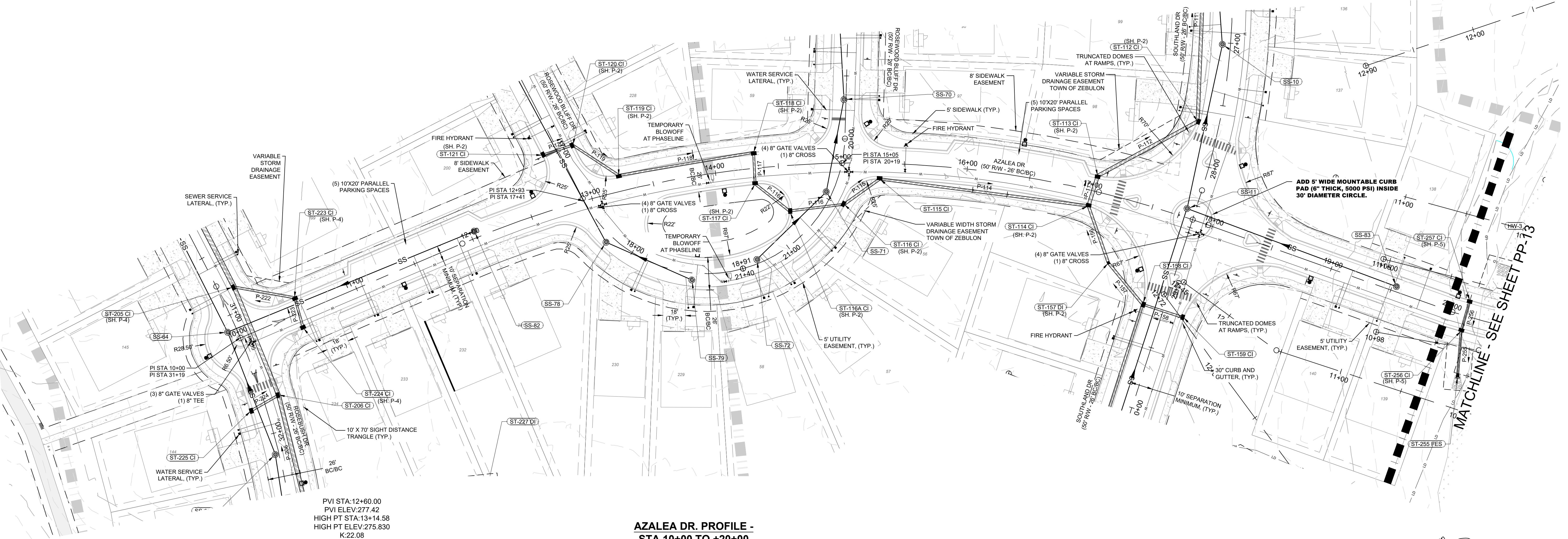
# CONSTRUCTION DRAWINGS FOR CADENCE MEADOWS

9115 PONY ROAD  
ZEBULION NC

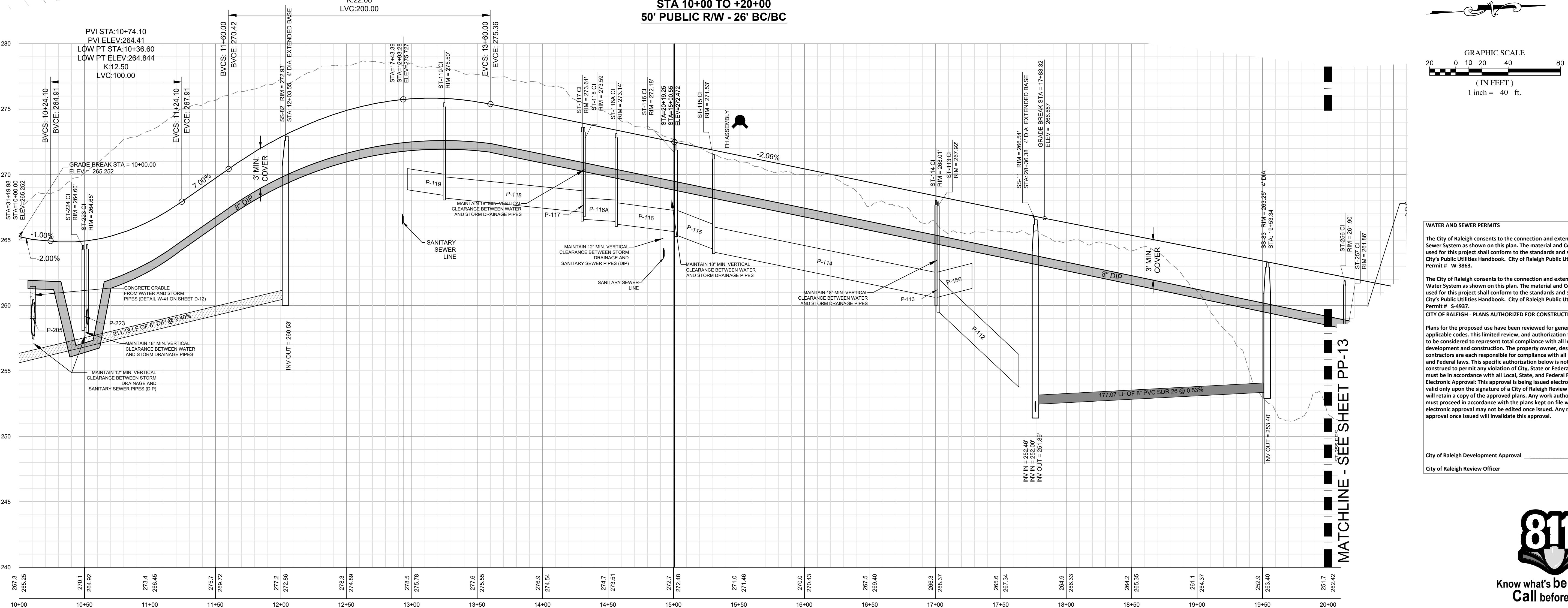
PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_pp.dwg**  
SHEET NO.  
**PP-9**







**AZALEA DR. PROFILE -  
STA 10+00 TO +20+00  
50' PUBLIC R/W - 26' BC/BC**



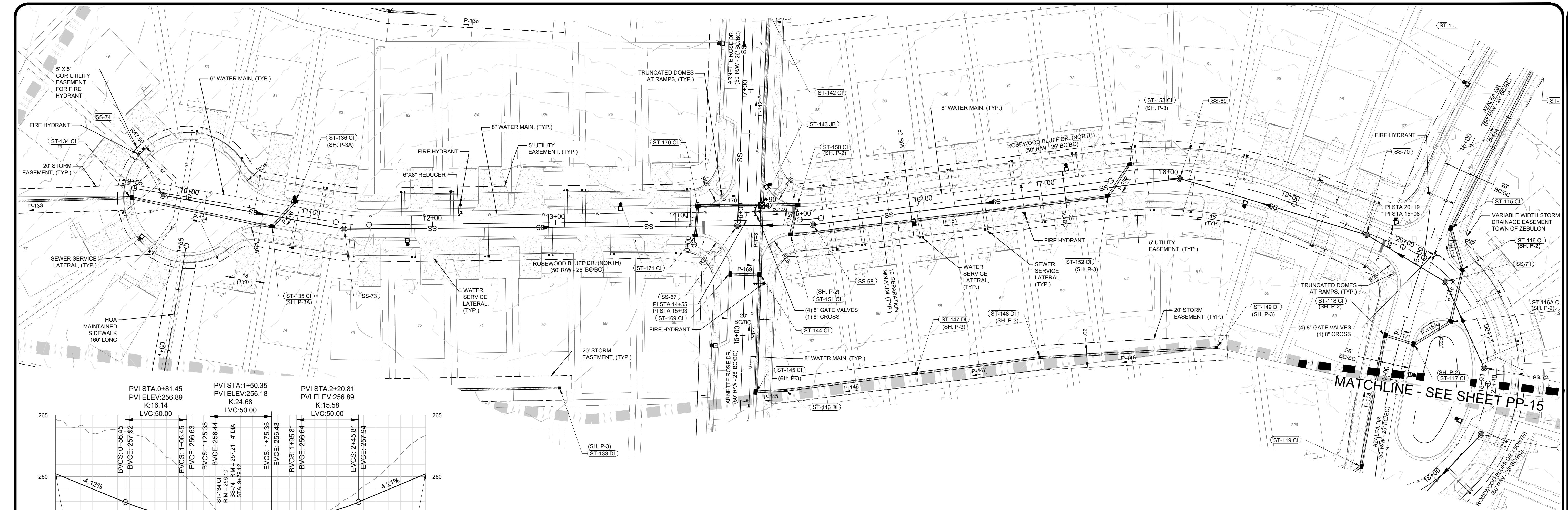
The image features the 811 logo, which consists of the number '811' in a large, bold, black font with a white outline. A small registered trademark symbol (®) is located to the right of the '1'. Below the logo is a stylized graphic of a shovel digging into the ground, with a grey base and black sides. Below the graphic, the text 'Call before you dig.' is written in a bold, black, sans-serif font.

now what's below.  
**Call before you dig.**

CONSTRUCTION DRAWINGS FOR  
**CADENCE MEADOWS**  
9115 PONY ROAD  
ZEBULON, NC

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_pp.dwg**  
HEET NO.  
**PP-12**



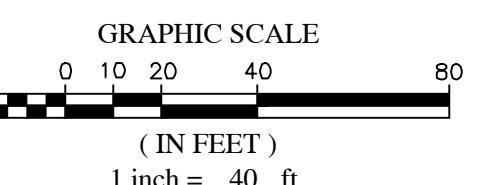


09/01/2022 DAS  
06/07/2022 DAS  
05/03/2022 DAS  
04/06/2022 DAS  
03/04/2022 DAS  
02/25/2022 DAS  
01/07/2022 DAS  
REVISIONS DATE BY

FINAL SET  
7  
REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022  
6  
REVISED PER WAKE COUNTY REVIEW COMMENTS 04/06/2022  
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REVISED PER CITY OF RALEIGH REVIEW COMMENT 03/24/2022  
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REVISED PER CITY OF RALEIGH REVIEW COMMENT 03/24/2022  
3  
REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022  
2  
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1  
REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 01/07/2022  
REVISIONS DATE BY

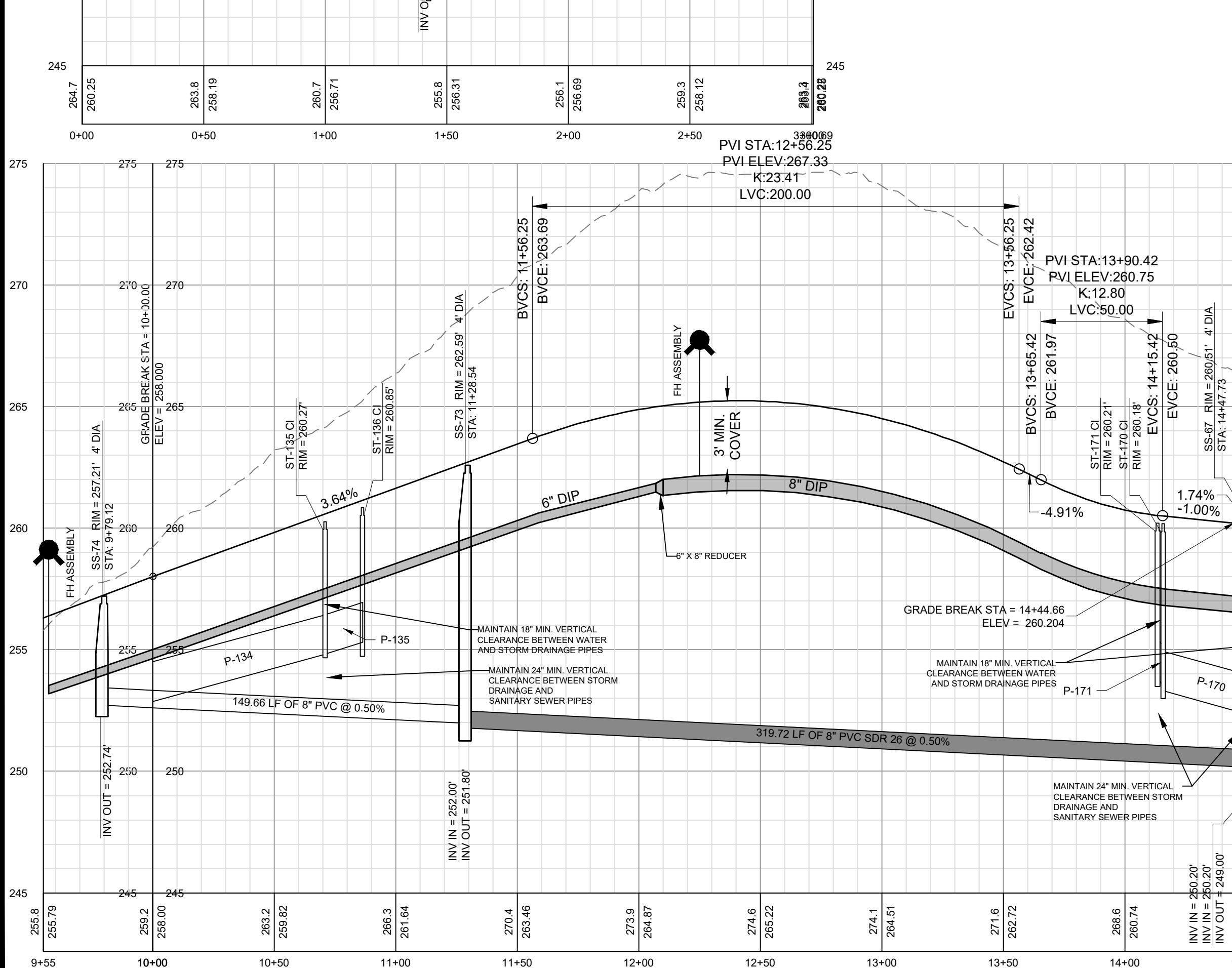
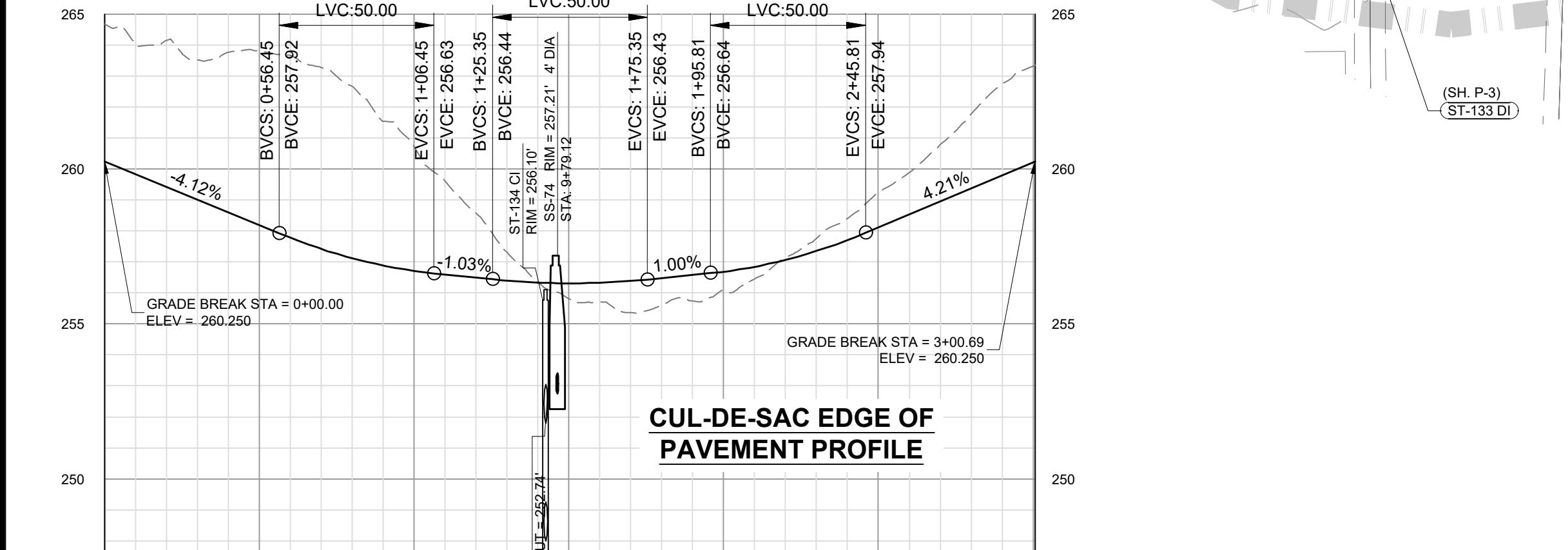
CONTRACTOR: DOWD & SONS AND ENGINEERING SERVICES (JIMMIE.D.NET)  
PROJECT ENGINEER: JAMES ALEXANDER (JIMMIE.D.NET)  
PROJECT MANAGER: DAWN SEEVER (JIMMIE.D.NET)  
DRAWN BY: JAMES ALEXANDER (JIMMIE.D.NET)  
FIRST ISSUE DATE: 04/01/2022  
DRAFTED BY: DONALD L. CLEVER  
SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER  
24627  
09/11/2022

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Know what's below.  
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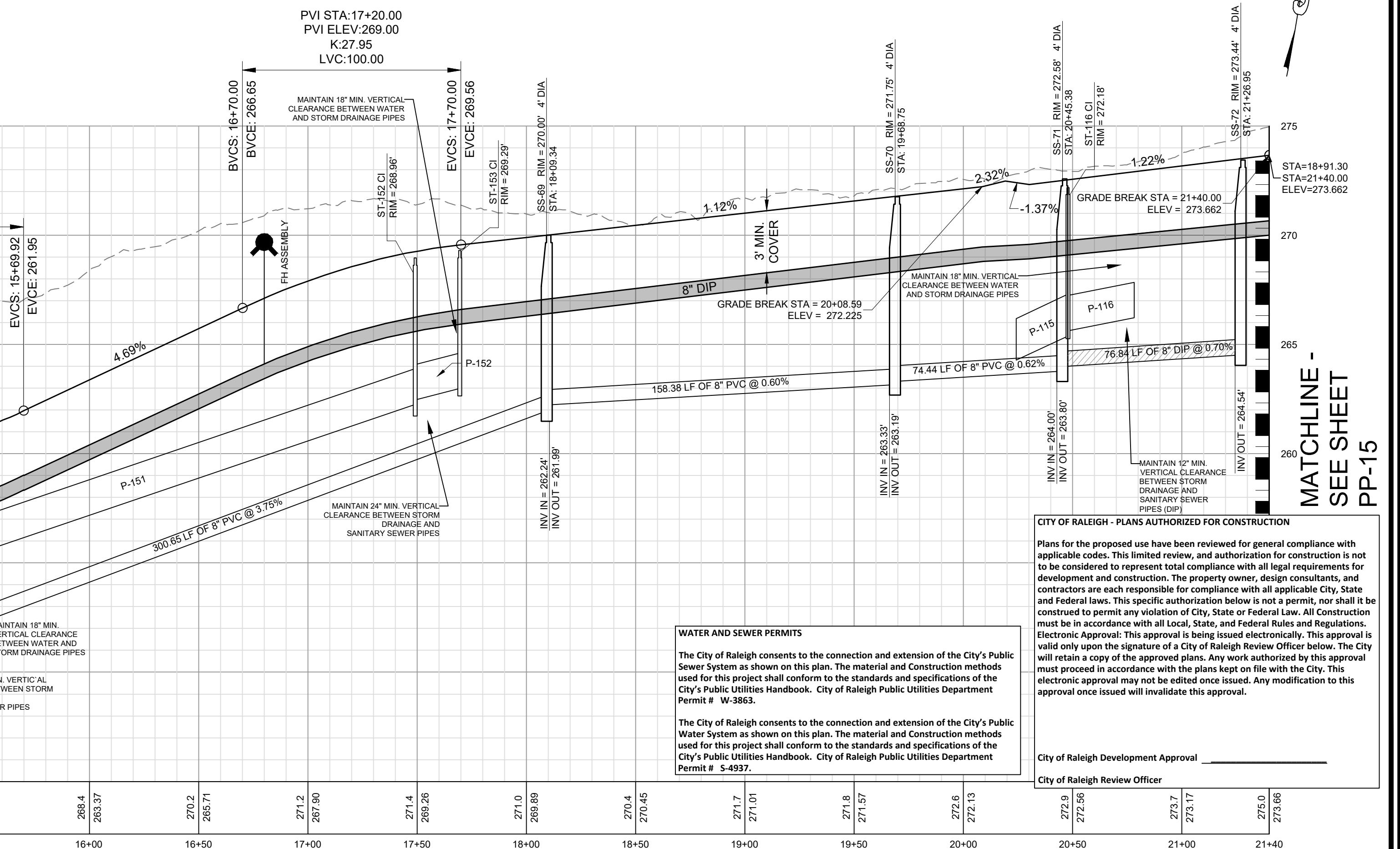


GRAPHIC SCALE  
20 0 10 20 40 80  
(IN FEET)  
1 inch = 40 ft.

CUL-DE-SAC EDGE OF  
PAVEMENT PROFILE



ROSEWOOD BLUFF DR. PROFILE  
(NORTH)  
(50' PUBLIC R/W - 26' BC/BC)



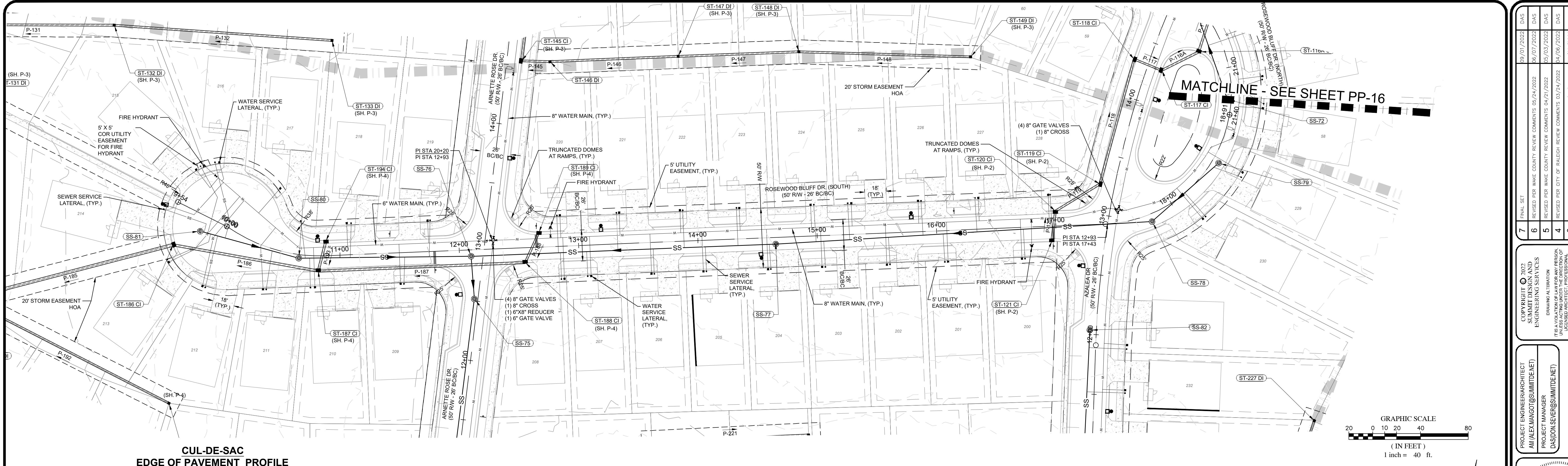
CONSTRUCTION DRAWINGS FOR  
SUMMIT DESIGN AND ENGINEERING SERVICES  
State License # P-0339  
320 Executive Court  
Hickory, NC 28758  
Phone: (828) 323-5853 Fax: (828) 323-6676  
www.summitdse.com

CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS  
915 PONY ROAD  
ZEBULON, NC  
PLAN & PROFILE - ROSEWOOD BLUFF  
DR. (NORTH) - STA 10+00 TO 20+00  
PP-15

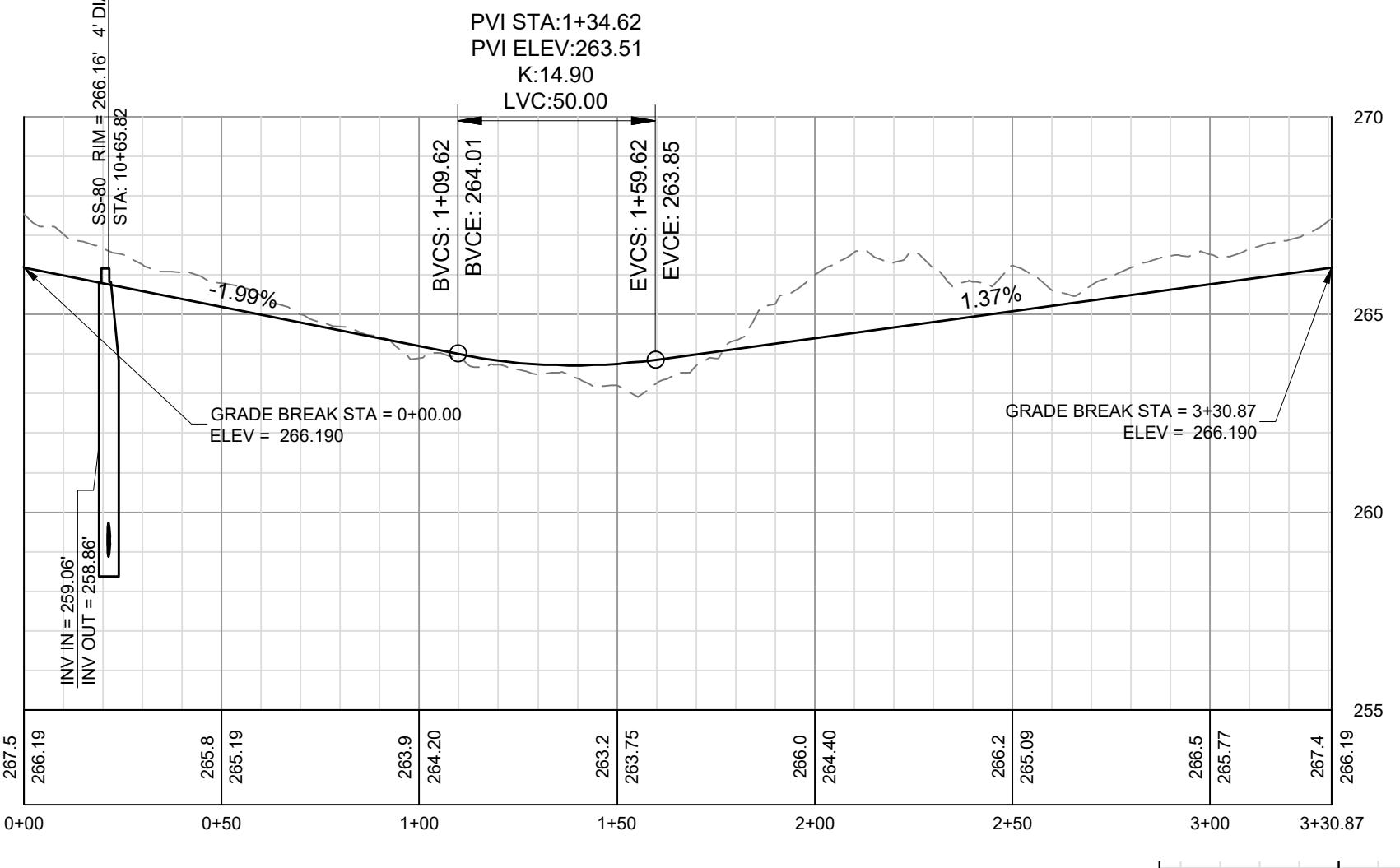
PROJECT NO.: 19-0103  
DRAWING NAME: 19-0103\_pp.dwg  
SHEET NO.: PP-14

CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS  
915 PONY ROAD  
ZEBULON, NC  
Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be construed as a release from all legal requirements for development and construction of the proposed project. Design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All construction must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

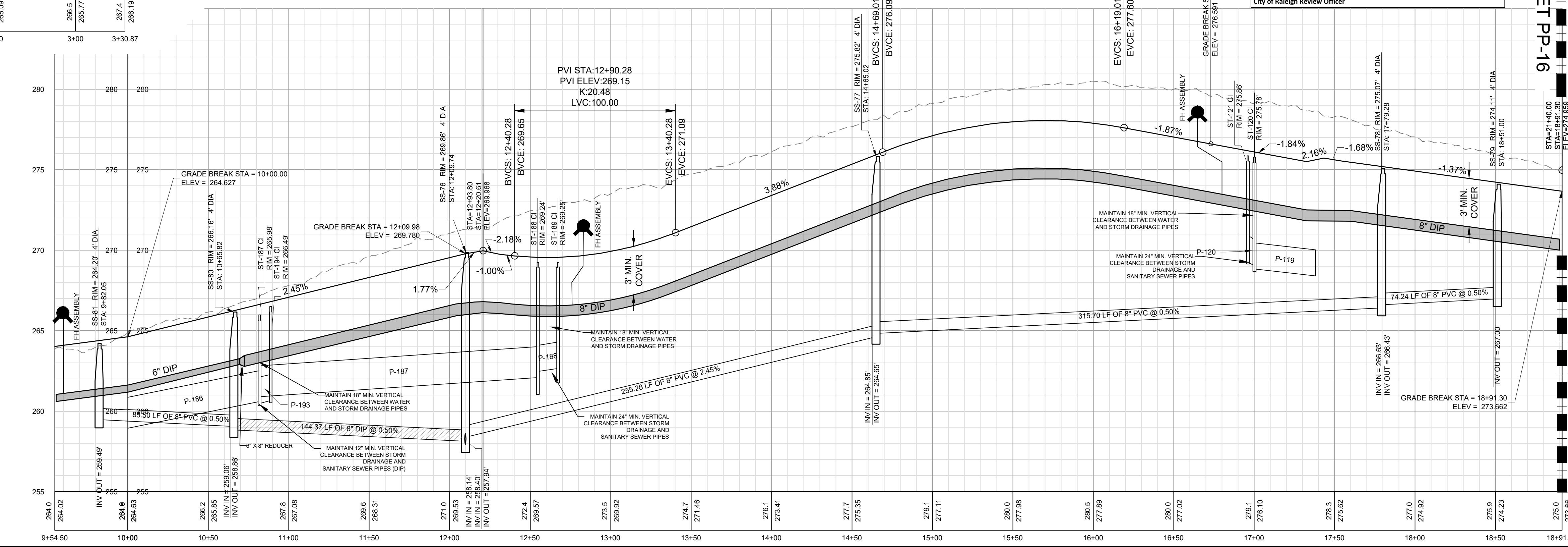
City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_  
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CUL-DE-SAC  
EDGE OF PAVEMENT PROFILE



ROSEWOOD BLUFF DR. PROFILE  
(SOUTH)  
(50' PUBLIC R/W - 26' BC/BC)

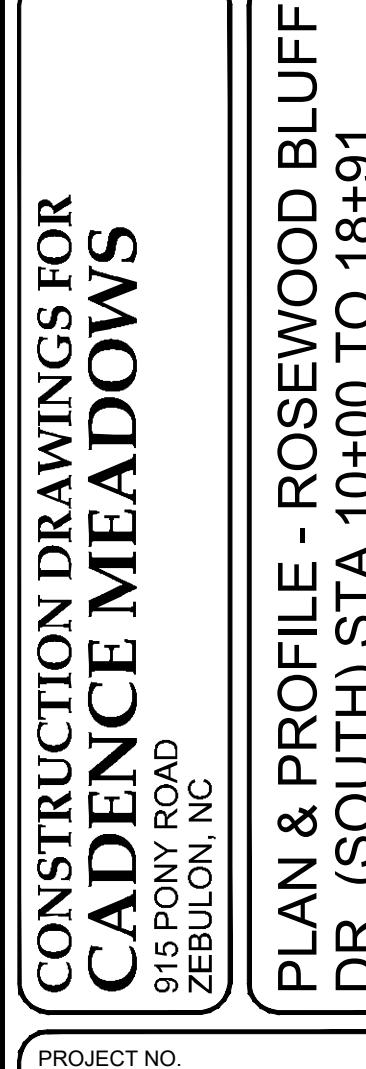


CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS

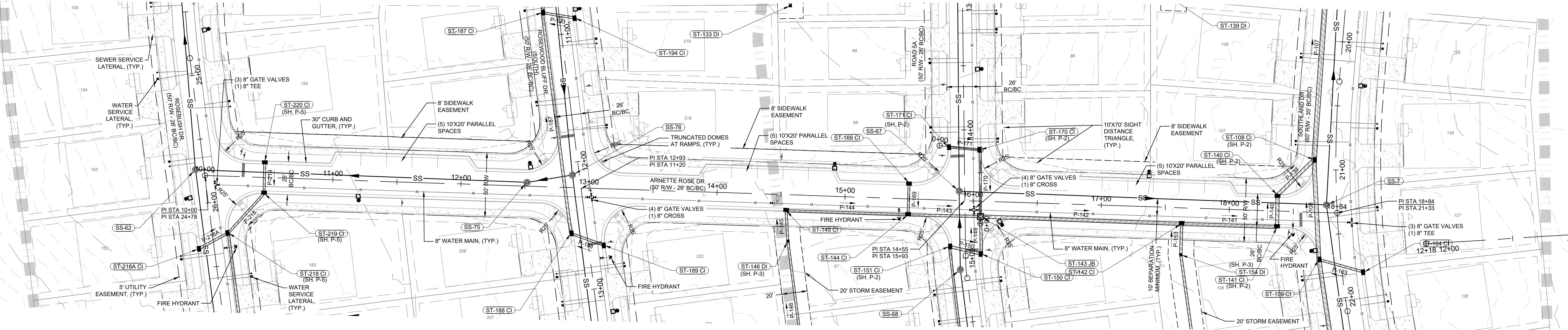
PLAN & PROFILE - ROSEWOOD BLUFF  
DR. (SOUTH) STA 10+00 TO 18+91

PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_pp.dwg  
SHEET NO.  
PP-15

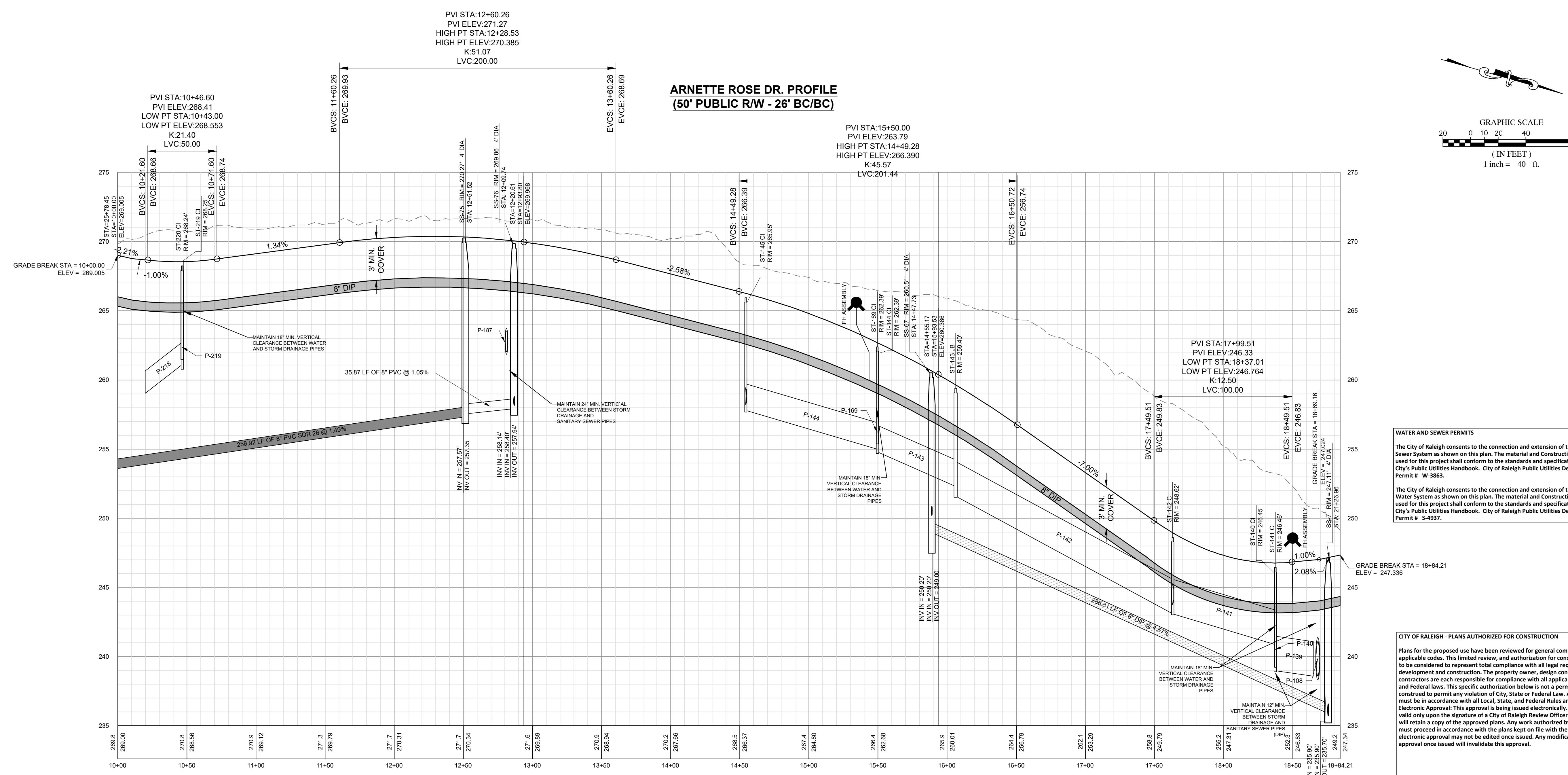
7	FINAL SET
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/24/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022
4	REVISED PER CITY OF FAIRLEIGH REVIEW COMMENTS 03/21/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/14/2022
2	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/12/2021
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/07/2022
	DATE BY



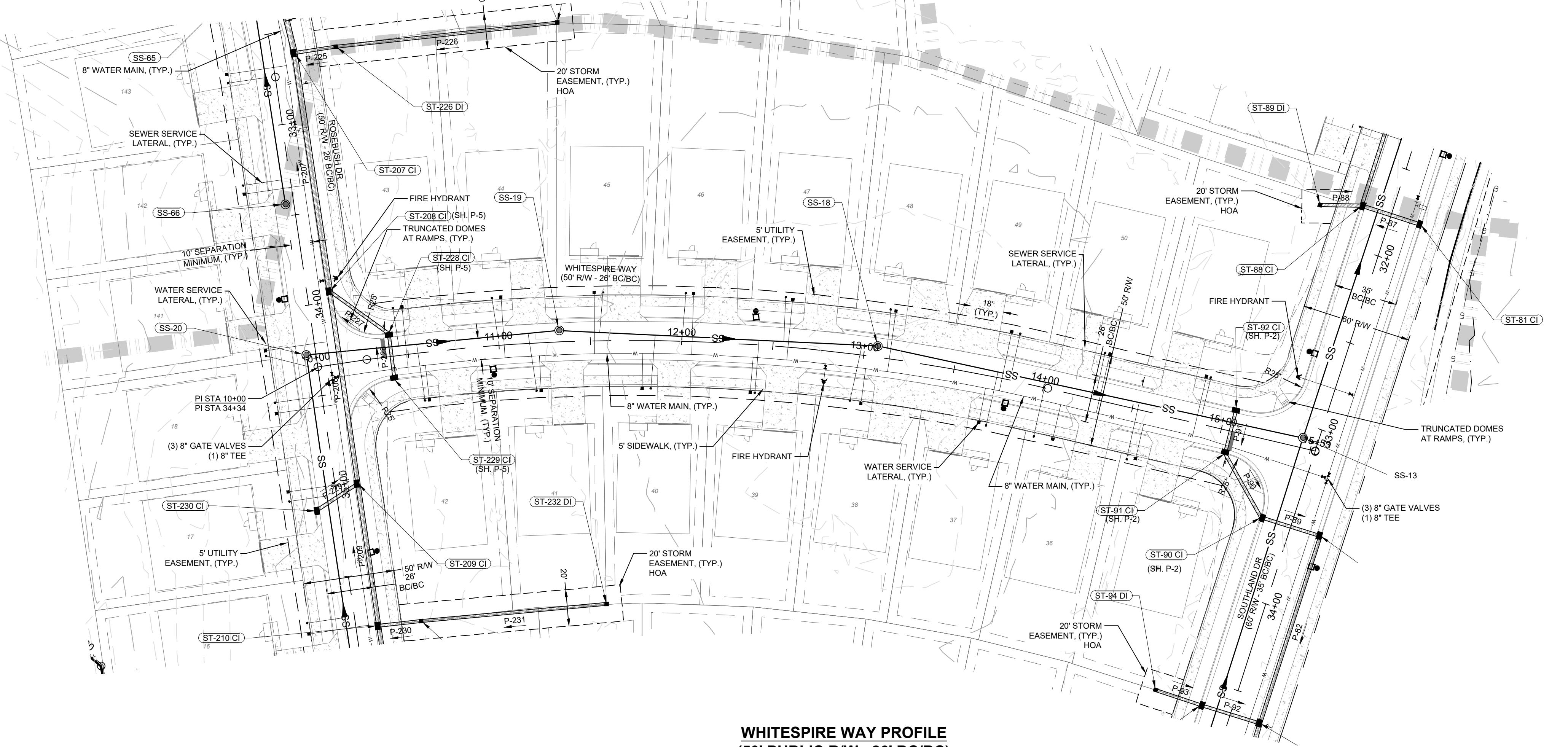
Know what's below.  
Call before you dig.



7	FINAL SET
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/24/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/21/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/14/2022
2	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 02/22/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 01/17/2022
DATES	09/01/2022
REVISIONS	BY



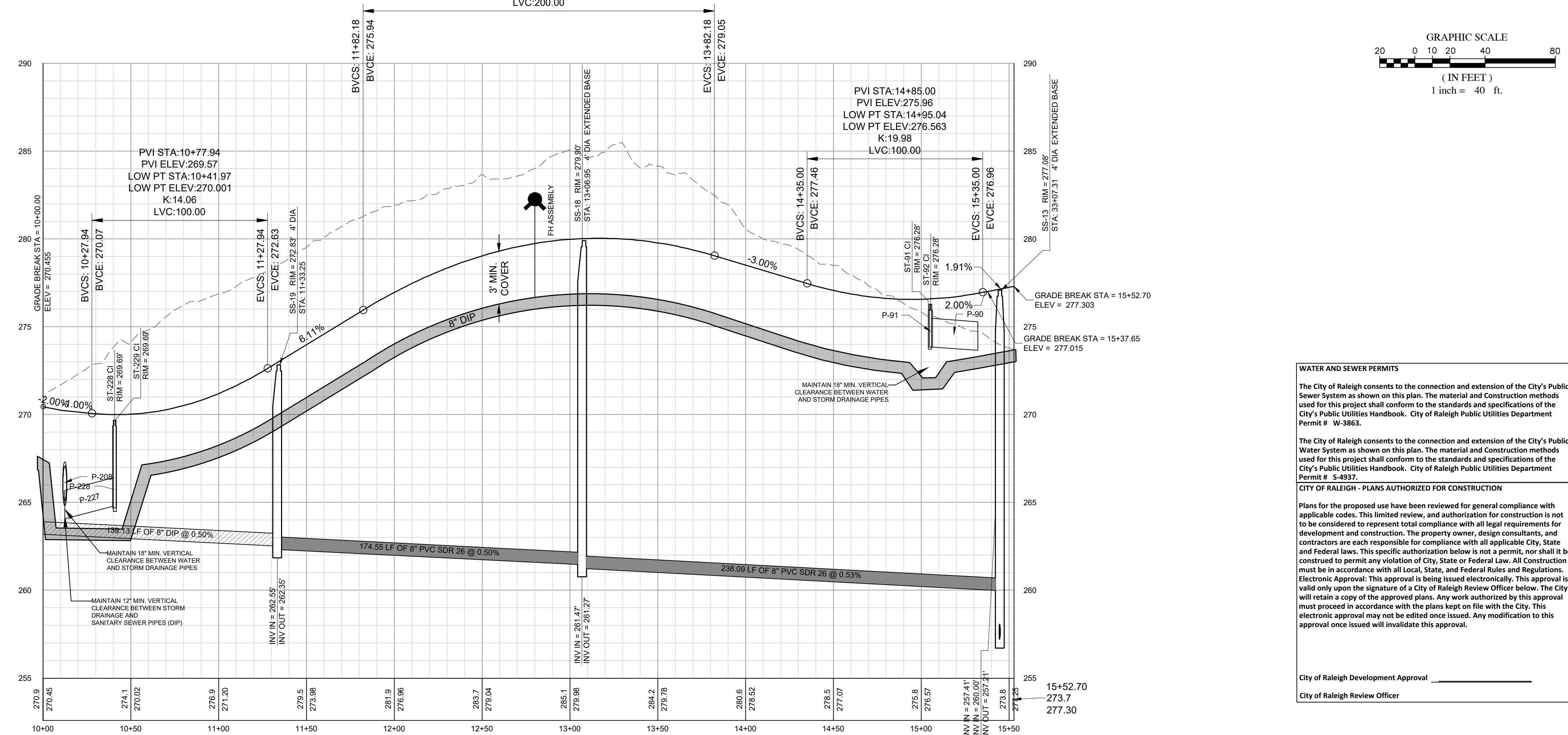
Know what's below.  
Call before you dig.



# **WHITESPIRE WAY PROFILE**

## **(50' PUBLIC R/W - 26' BC/BC)**

PVI STA:12+82.18  
PVI ELEV:282.06  
K:21.94  
LVC:200.00



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

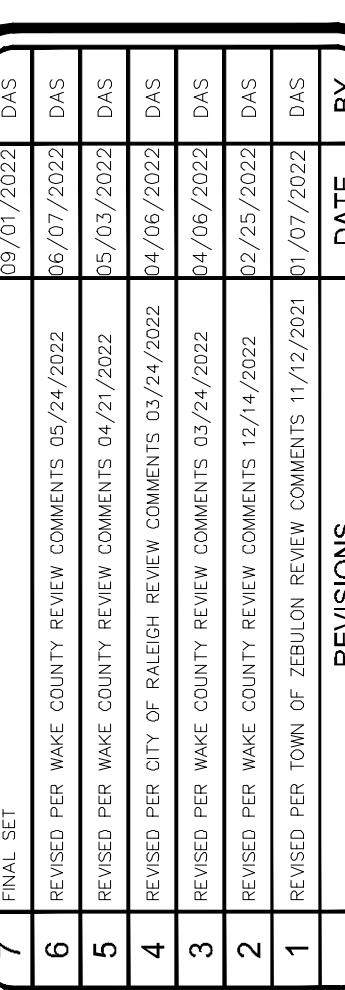


**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_pp.dwg**  
SHEET NO.  
**PP-17**

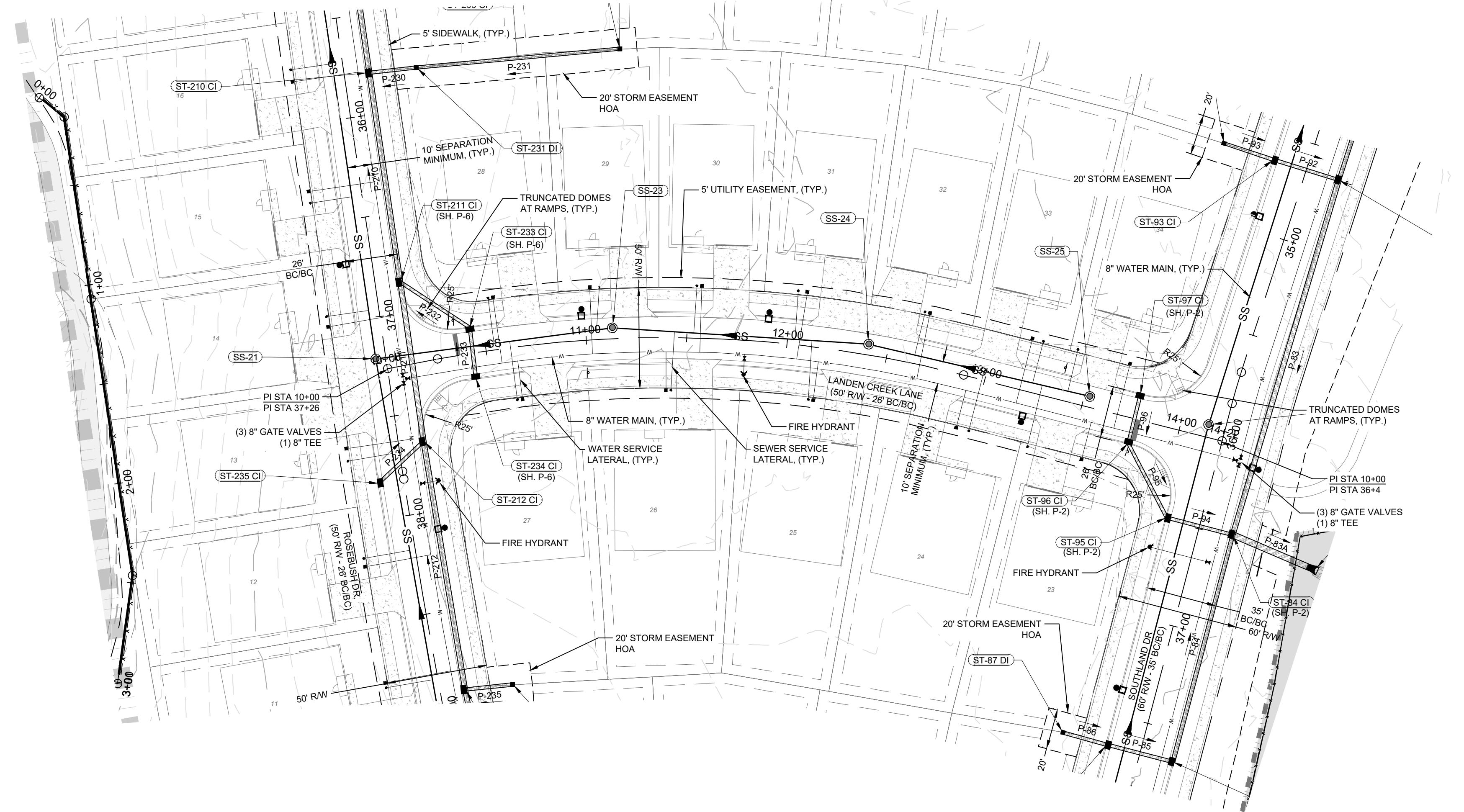


The logo consists of the word "SUMMIT" in a large, bold, black, sans-serif font. To the right of "SUMMIT", the words "DESIGN AND ENGINEERING SERVICES" are stacked vertically in a smaller, black, sans-serif font. In the bottom left corner, there is a black square containing a white, stylized upward-pointing arrow.



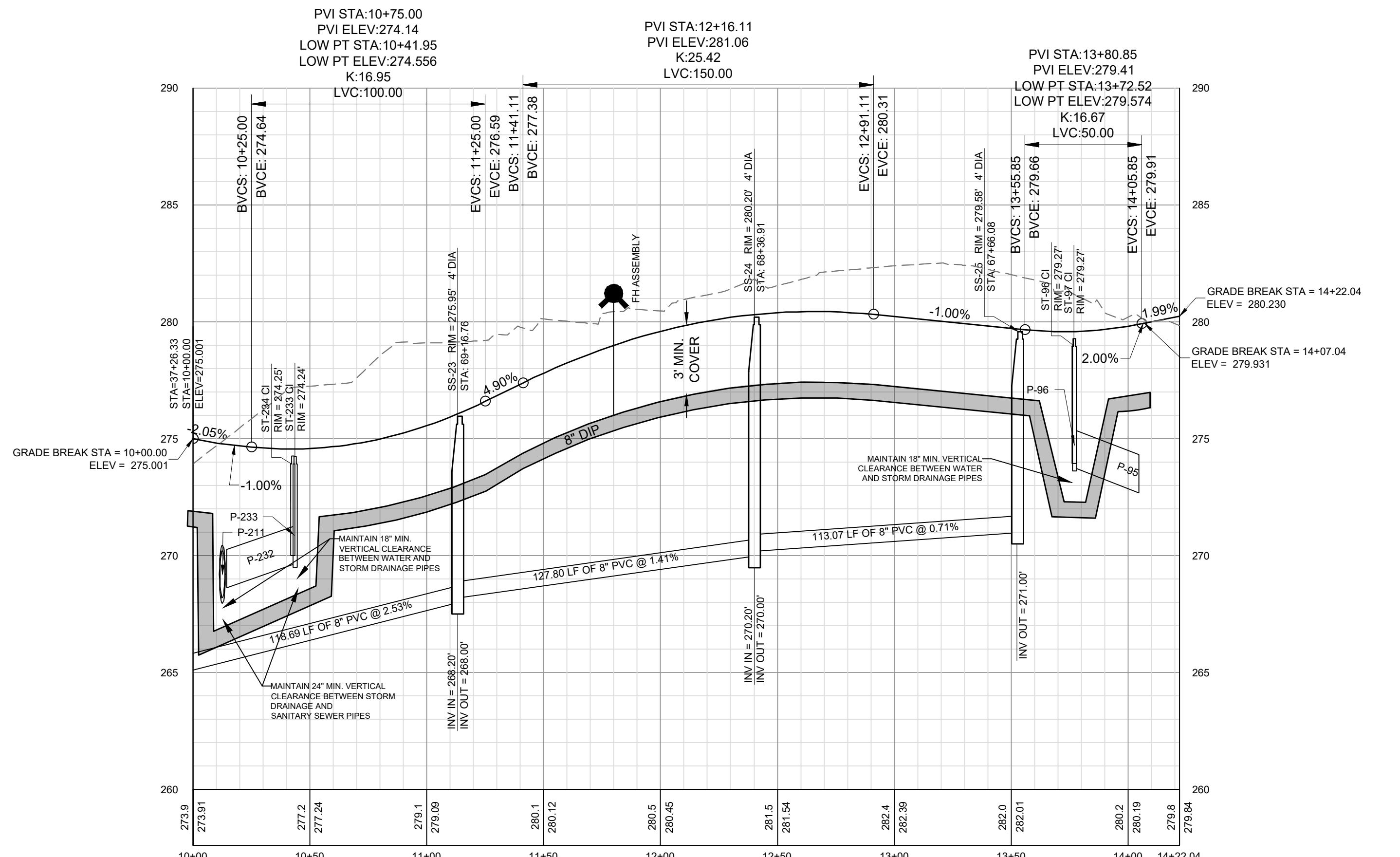


Know what's below.  
Call before you dig.



**LANDEN CREEK LANE PROFILE  
(50' PUBLIC R/W - 26' BC/BC)**

GRAPHIC SCALE  
(IN FEET)  
1 inch = 40 ft.



**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

**WATER AND SEWER PERMITS**

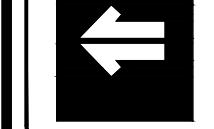
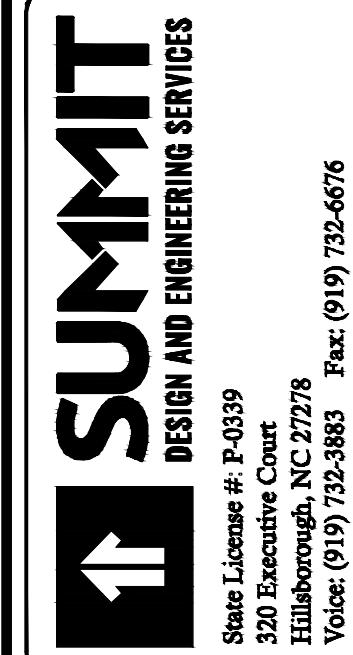
The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3863.

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

Plans for the proposed use have been reviewed for general compliance with applicable regulations. This limited review and authorization for construction is not to be considered a complete or final compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed as a violation of City, State or Federal Law. All construction must be in accordance with all local, state and federal regulations.

**Electronic Approval:** This approval is being issued electronically. This approval is valid only upon a signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must be performed in accordance with the plans kept file with the City. This electronic approval may not be edited or amended. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_



STATE LICENSE # D-2039  
320 Executive Court  
Hillsborough, NC 27278  
Phone: (919) 732-5853 Fax: (919) 732-6576  
www.summitde.net

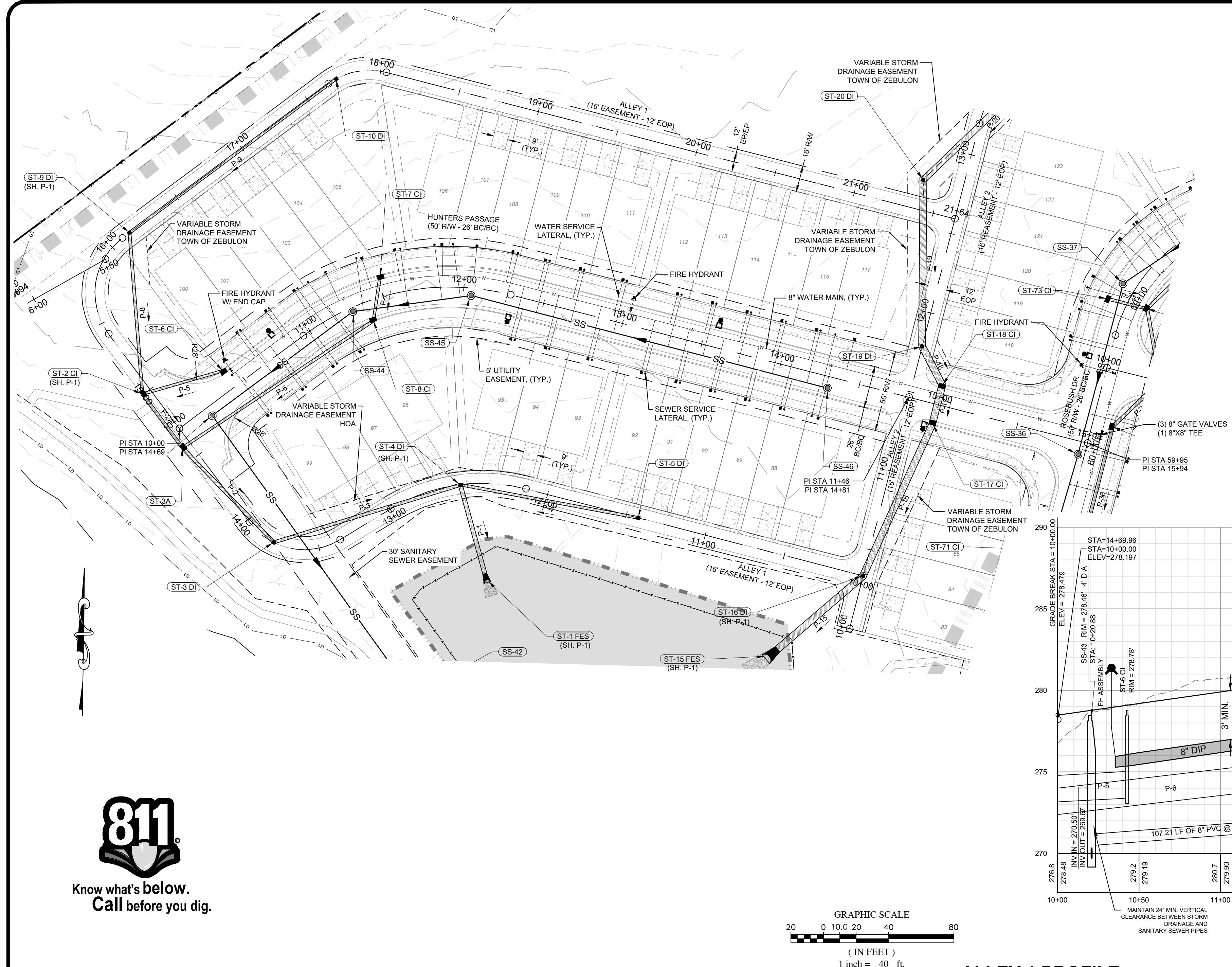
**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

**PLAN & PROFILE  
LANDEN CREEK LANE**

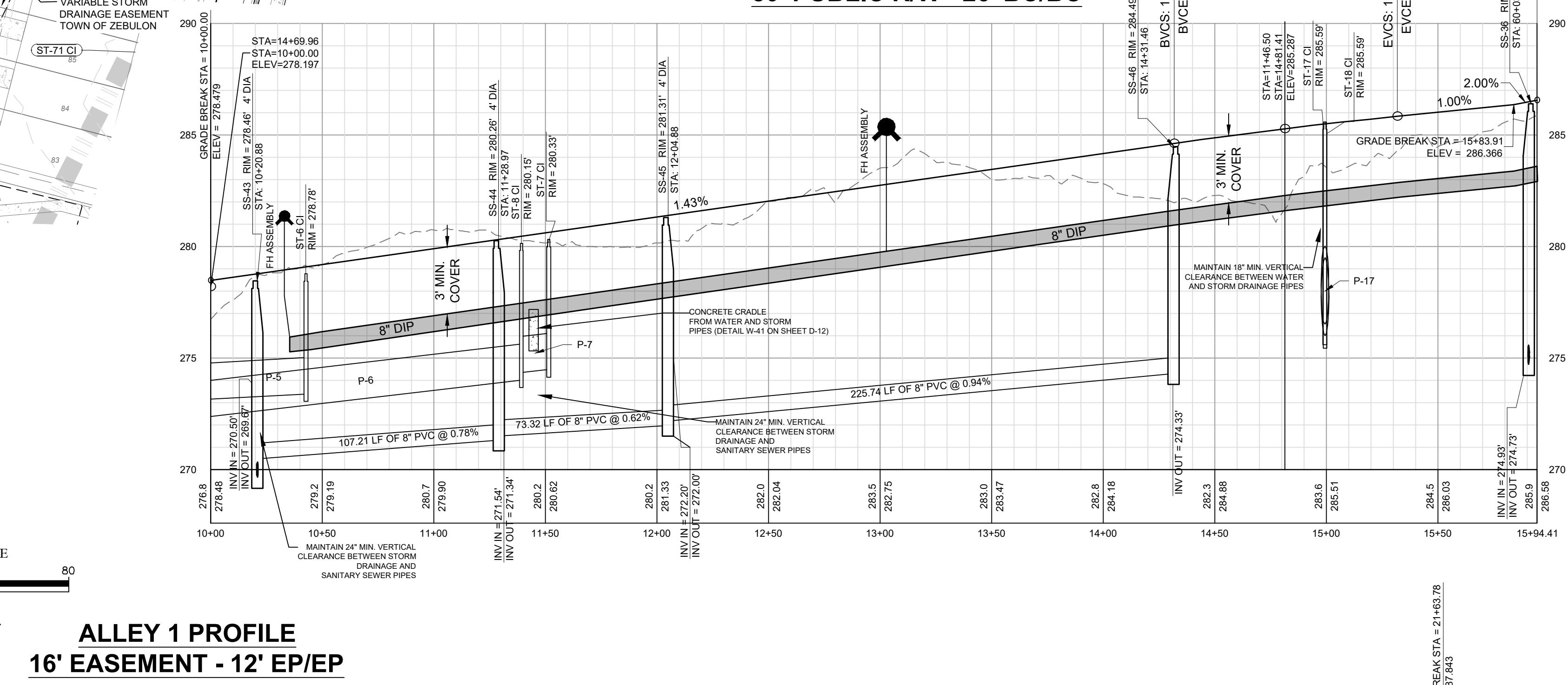
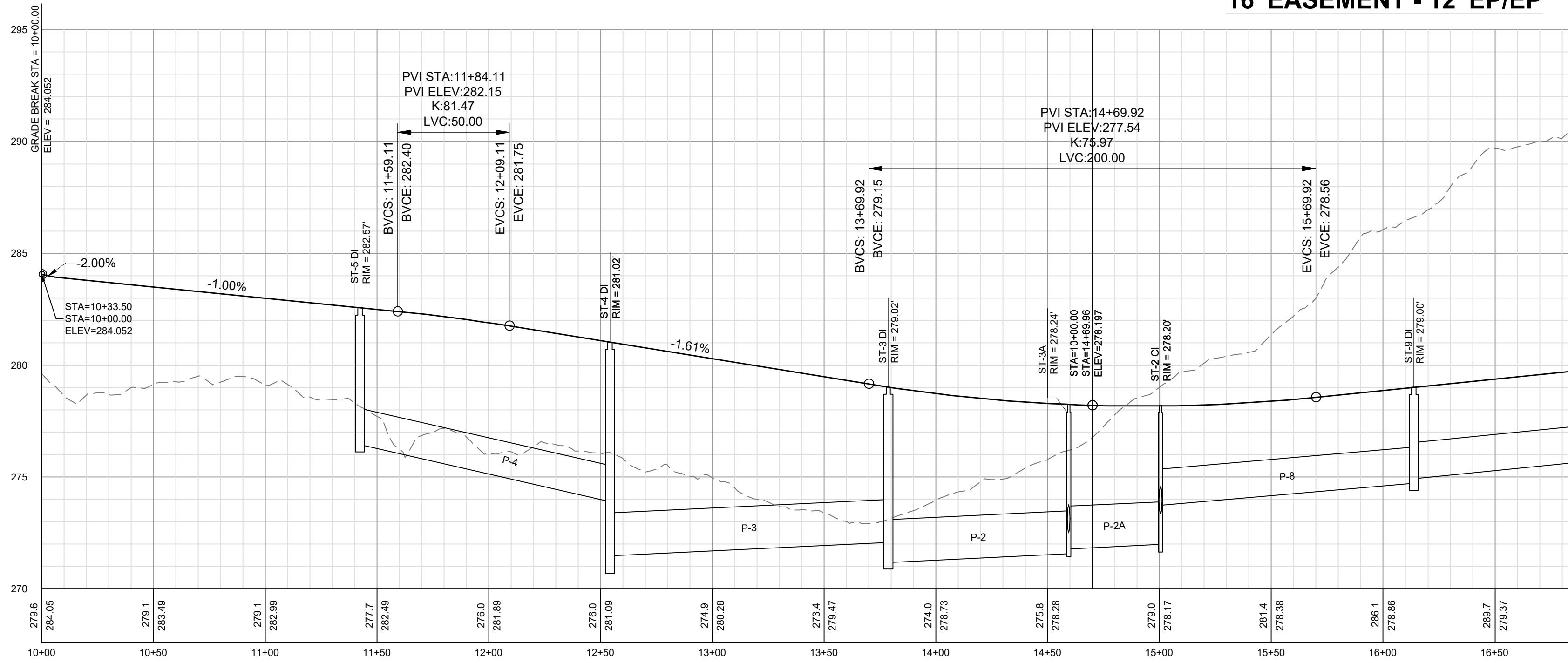
**PROJECT NO.: 19-0103**  
**DRAWING NAME: 19-0103\_pp.dwg**  
**SHEET NO.: PP-18**

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

7	FINAL SET
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 06/07/2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 05/25/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022
2	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 05/25/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 05/27/2022
REVISIONS	
DATE BY	



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



# **HUNTERS PASSAGE PROFILE**

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## **50' PUBLIC R/W - 26' BC/BC**

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**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_pp.dwg**  
SHEET NO.  
**PP-19**

**SUMMIT**  
DESIGN AND ENGINEERING SERVICES

State License #: P-0339  
320 Executive Court  
Hillsborough, NC 27278

<b>COPYRIGHT © 2022</b>	<b>SUMMIT DESIGN AND</b>	<b>ENGINEERING SERVICES</b>	<b>DRAWING ALTERATION</b>	<b>TIS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENCED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY. ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION 'ALTERED BY' FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.</b>	<b>REVISIONS</b>	<b>DATE</b>	<b>BY</b>
7	FINAL SET			09/01/2022	DAS		
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 05/24/2022			06/07/2022	DAS		
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022			05/03/2022	DAS		
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/24/2022			04/06/2022	DAS		
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022			04/06/2022	DAS		
2	REVISED PER WAKE COUNTY REVIEW COMMENTS 12/14/2022			02/25/2022	DAS		
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/12/2021			01/07/2022	DAS		

PROJECT ENGINEER/ARCHITECT  
AM (ALEX.MANGOT@SUMMITDE.NET)

PROJECT MANAGER  
DAS(DON.SEVER@SUMMITDE.NET)

DRAWN BY  
JA (JIMMY.ASHLEY@SUMMITDE.NET)

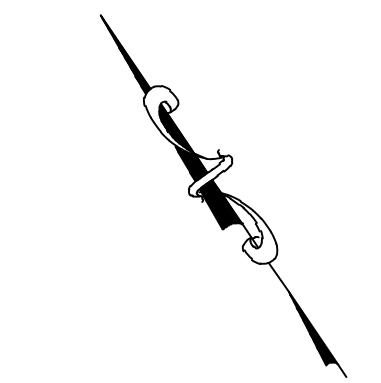
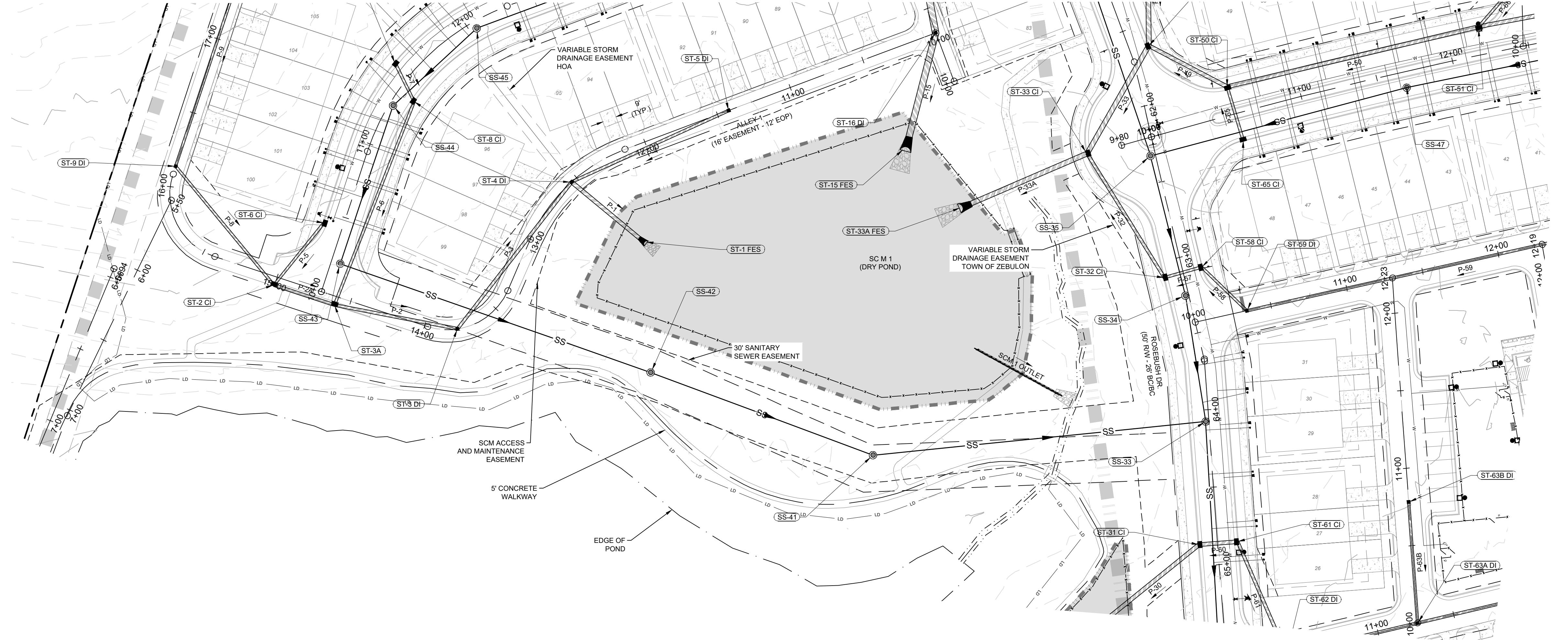
FIRST ISSUE DATE  
10-01-2021

NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
SEAL  
24627

DONALD MANGOT SEVER  
09/01/2022

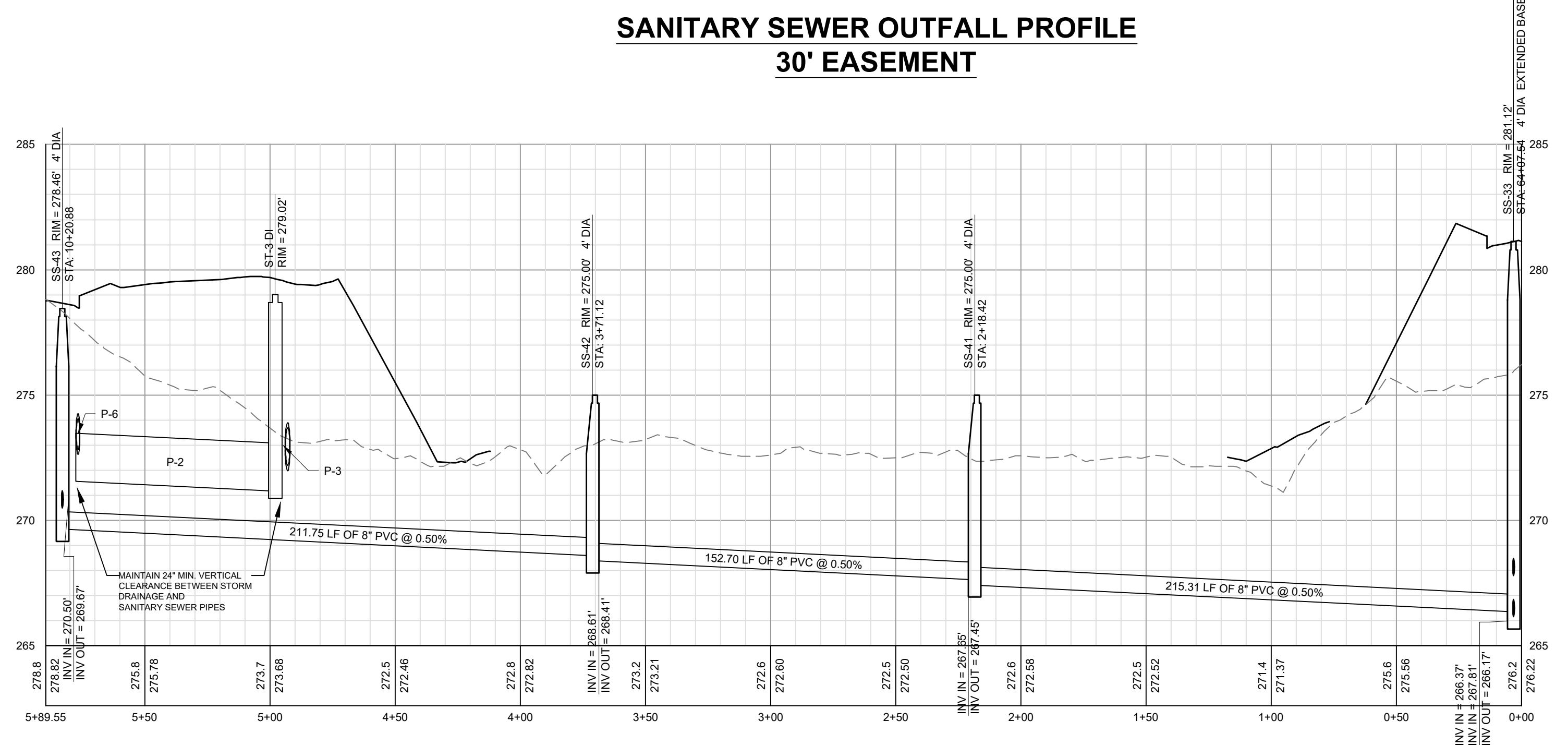


Know what's below.  
Call before you dig.



GRAPHIC SCALE  
20 0 10.0 20 40 80  
(IN FEET)  
1 inch = 40 ft.

### SANITARY SEWER OUTFALL PROFILE 30' EASEMENT



#### WATER AND SEWER PERMITS

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3883.

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-4937.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

### CONSTRUCTION DRAWINGS FOR CADENCE MEADOWS

PROJECT NO.: 19-0103  
DRAWING NAME: 19-0103\_pp.dwg  
SHEET NO.: PP-19A



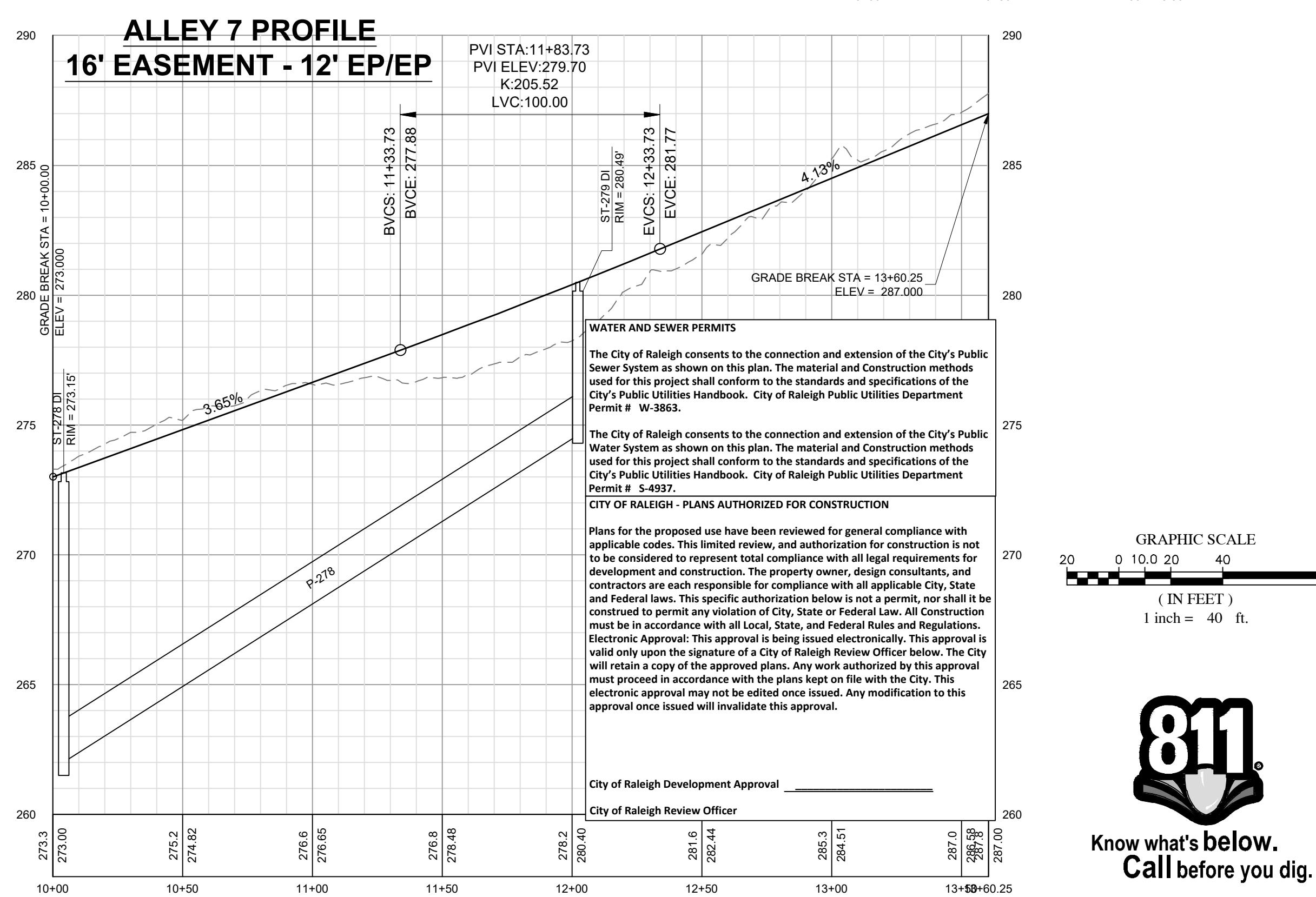
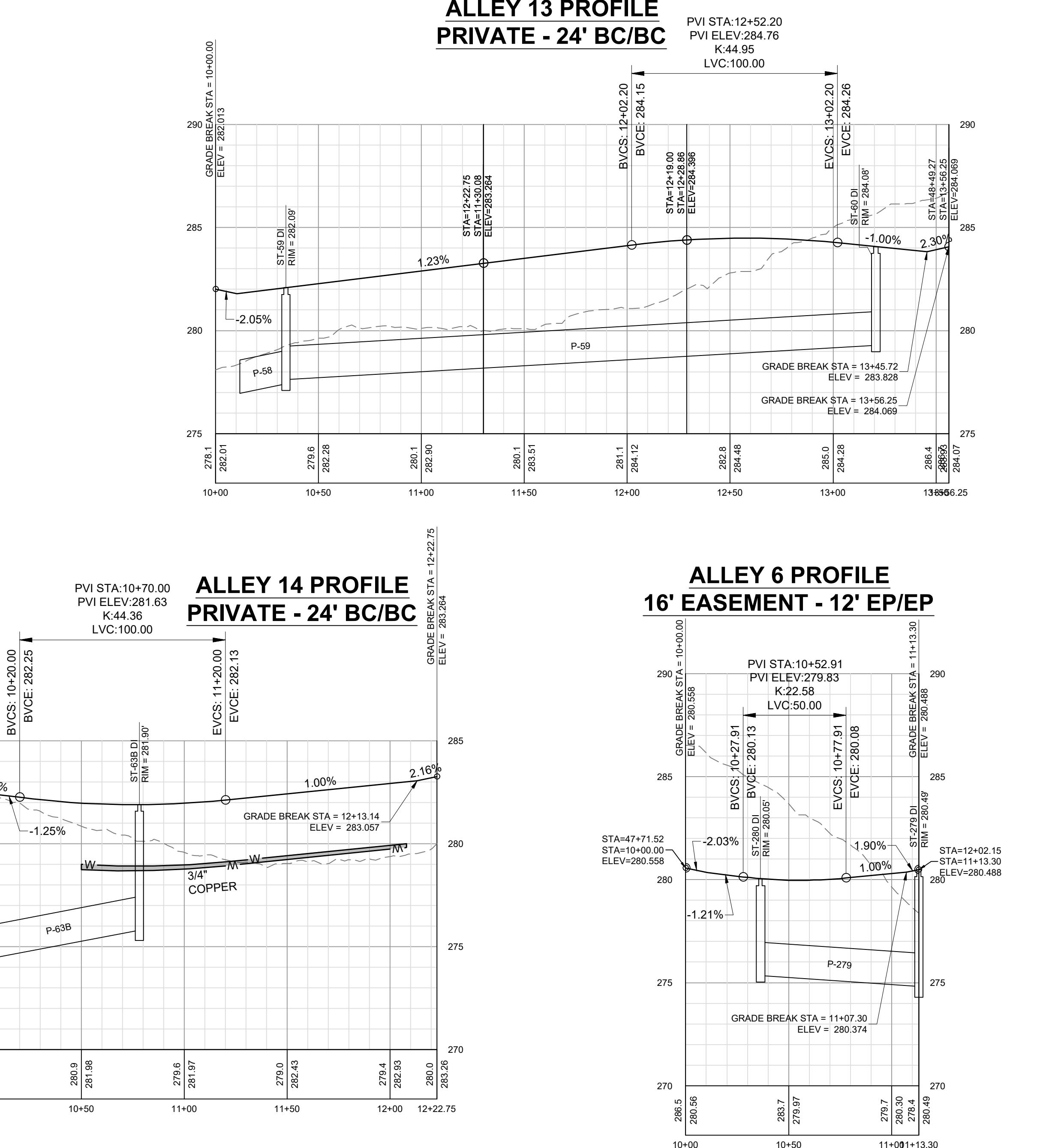
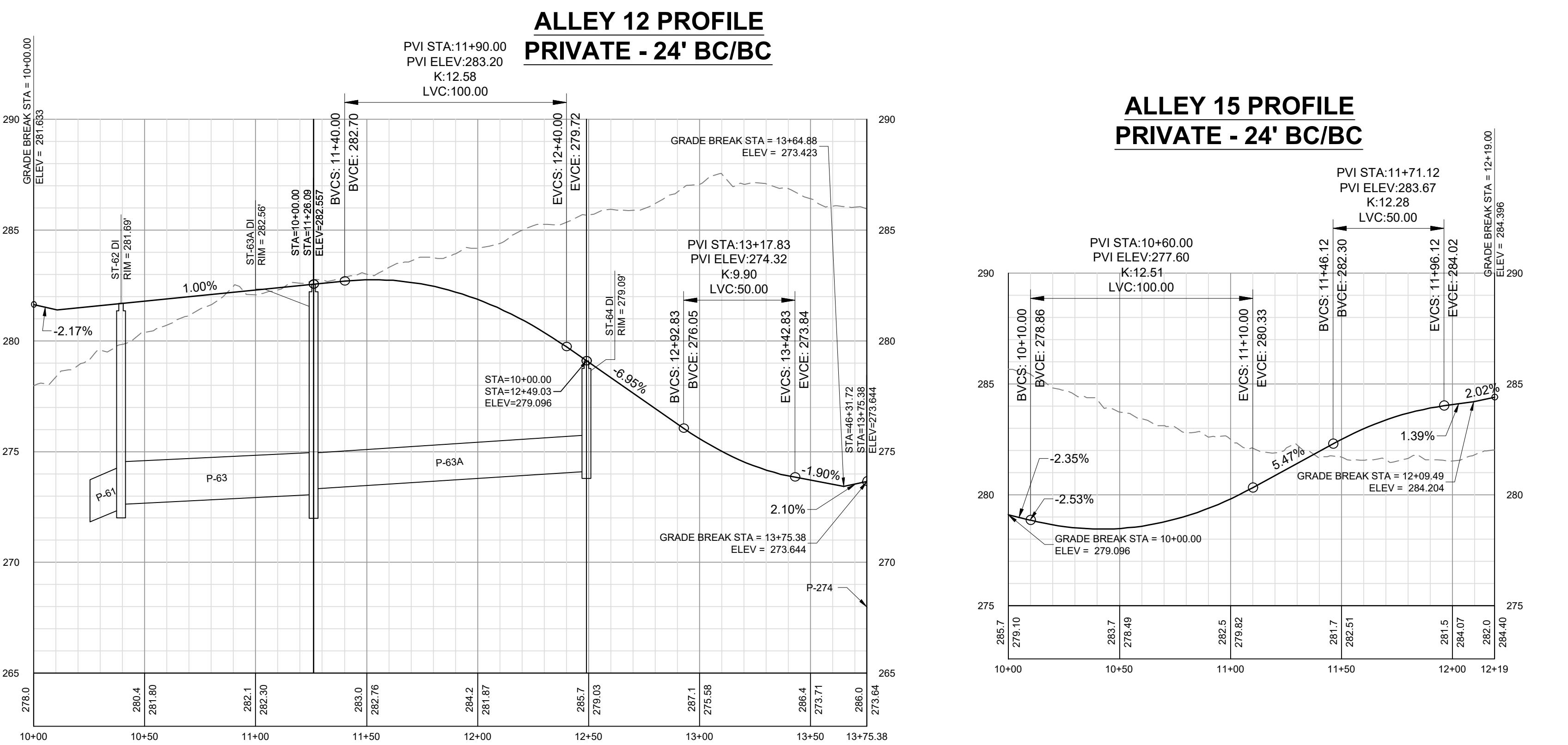
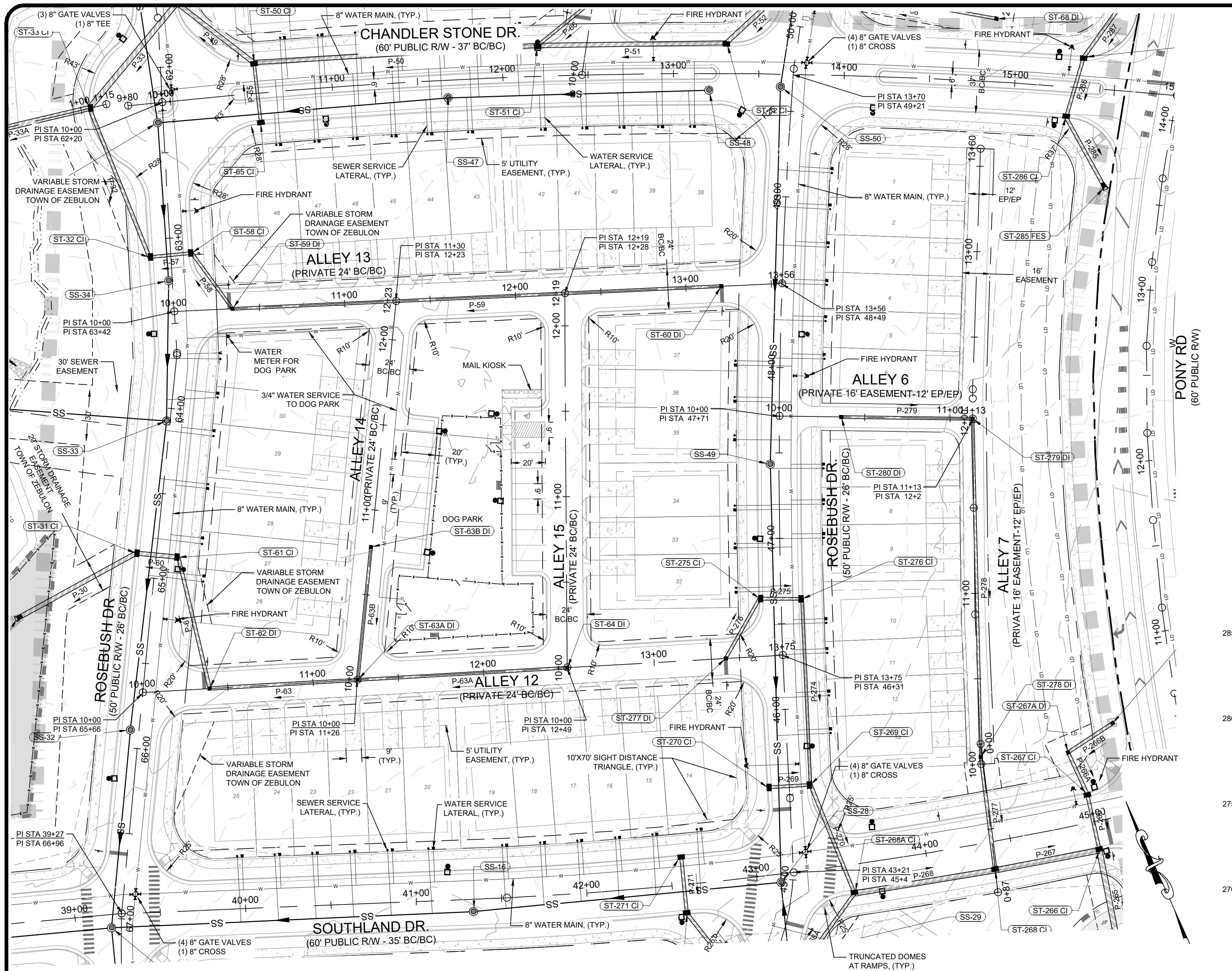
DESIGN AND ENGINEERING SERVICES  
320 Executive Court  
Hickory, NC 28738  
Phone: (828) 322-2228 Fax: (828) 322-4676  
www.summitde.net

PLAN & PROFILE  
SEWER OUTFALL POND

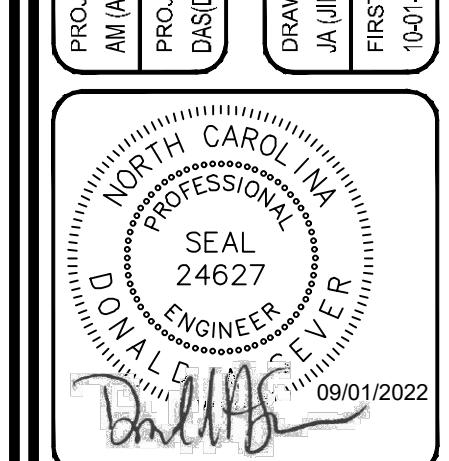
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5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/07/2022
4	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/21/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022
2	REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/21/2022
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 01/12/2021
DATES	03/01/2022
REVISIONS	BY

PROJECT ENGINEER/ARCHITECT: DONALD ALEXANDER LEVY, PE  
AM (ALEX.MLEVY@SUMMITDE.NET)  
PROJECT MANAGER: JAMES ASHLEY, PE  
DAS(DASER@SUMMITDE.NET)  
DRAWN BY: JAMES ASHLEY, PE  
FIRST ISSUE DATE: 04/07/2022

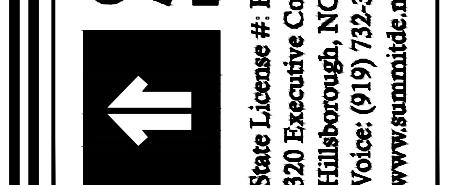
SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
DONALD ALEXANDER LEVY  
24627  
09/01/2022



7 FINAL SET  
6 REVISED PER WAKE COUNTY REVIEW COMMENTS 04/24/2022  
5 REVISED PER WAKE COUNTY REVIEW COMMENTS 04/21/2022  
4 REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/14/2022  
3 REVISED PER WAKE COUNTY REVIEW COMMENTS 15/14/2022  
2 REVISED PER CITY OF RALEIGH REVIEW COMMENTS 03/12/2022  
1 REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 1/17/2022  
REVISIONS DATE BY



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320 Executive Court  
Hillsborough, NC 27278  
Voice: (919) 732-4676  
Fax: (919) 732-4676  
www.summitinc.net

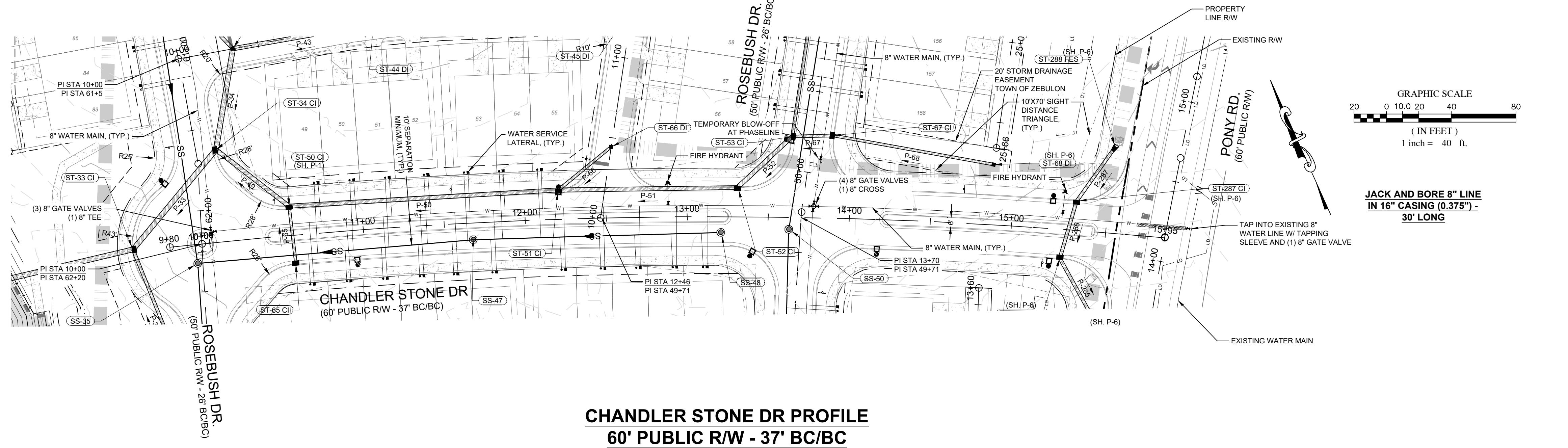


**CONSTRUCTION DRAWINGS FOR CADENCE MEADOWS**  
915 PONY ROAD  
ZEBULON, NC  
PLAN & PROFILE - ALLEY 6, ALLEY 7  
ALLEY 12, ALLEY 13, ALLEY 14, ALLEY 15

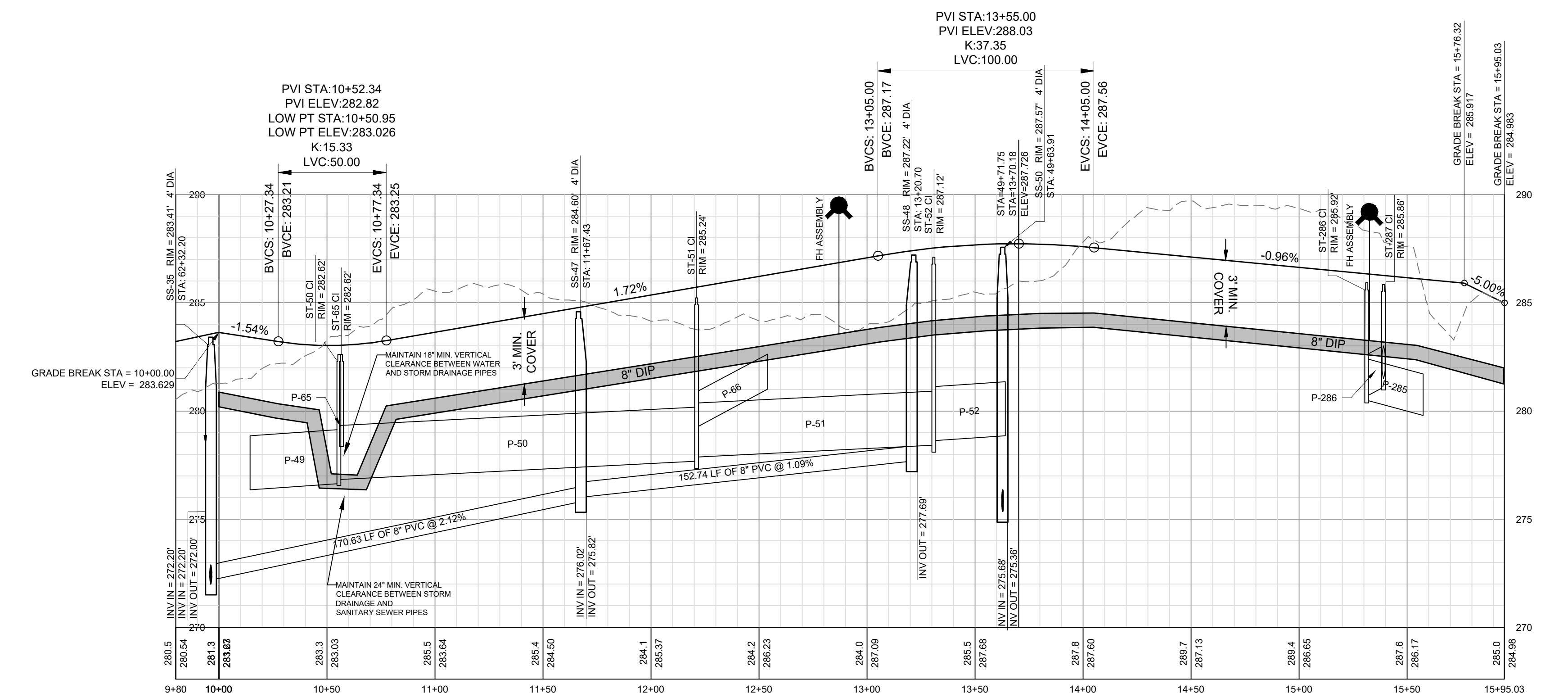
PROJECT NO.: 19-0103  
DRAWING NAME: 19-0103\_pp.dwg  
SHEET NO.: PP-20







**CHANDLER STONE DR PROFILE  
60' PUBLIC R/W - 37' BC/BC**



**WATER AND SEWER PERMITS**  
The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # W-3863.

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**  
Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be construed to represent total compliance with all legal requirements for development and construction. Compliance is the responsibility of the developer, architect, engineer, and contractors are each responsible for compliance with all applicable State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All construction must be in accordance with State and Federal regulations.

**Electronic Approval** - This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

PROJECT NO.  
**19-0103**  
DRAWING NAME:  
**19-0103\_pp.dwg**  
SHEET NO.  
**PP-21A**

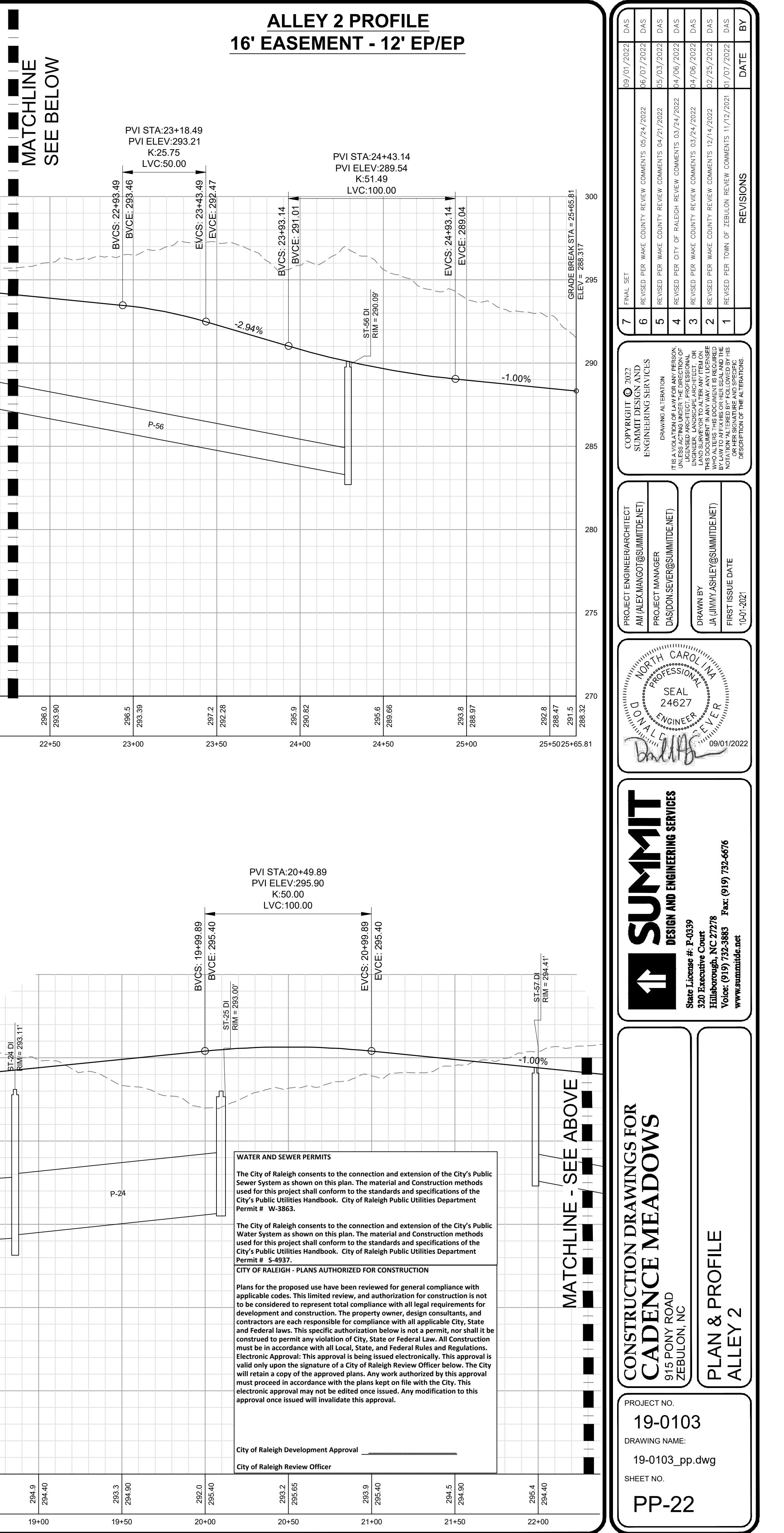
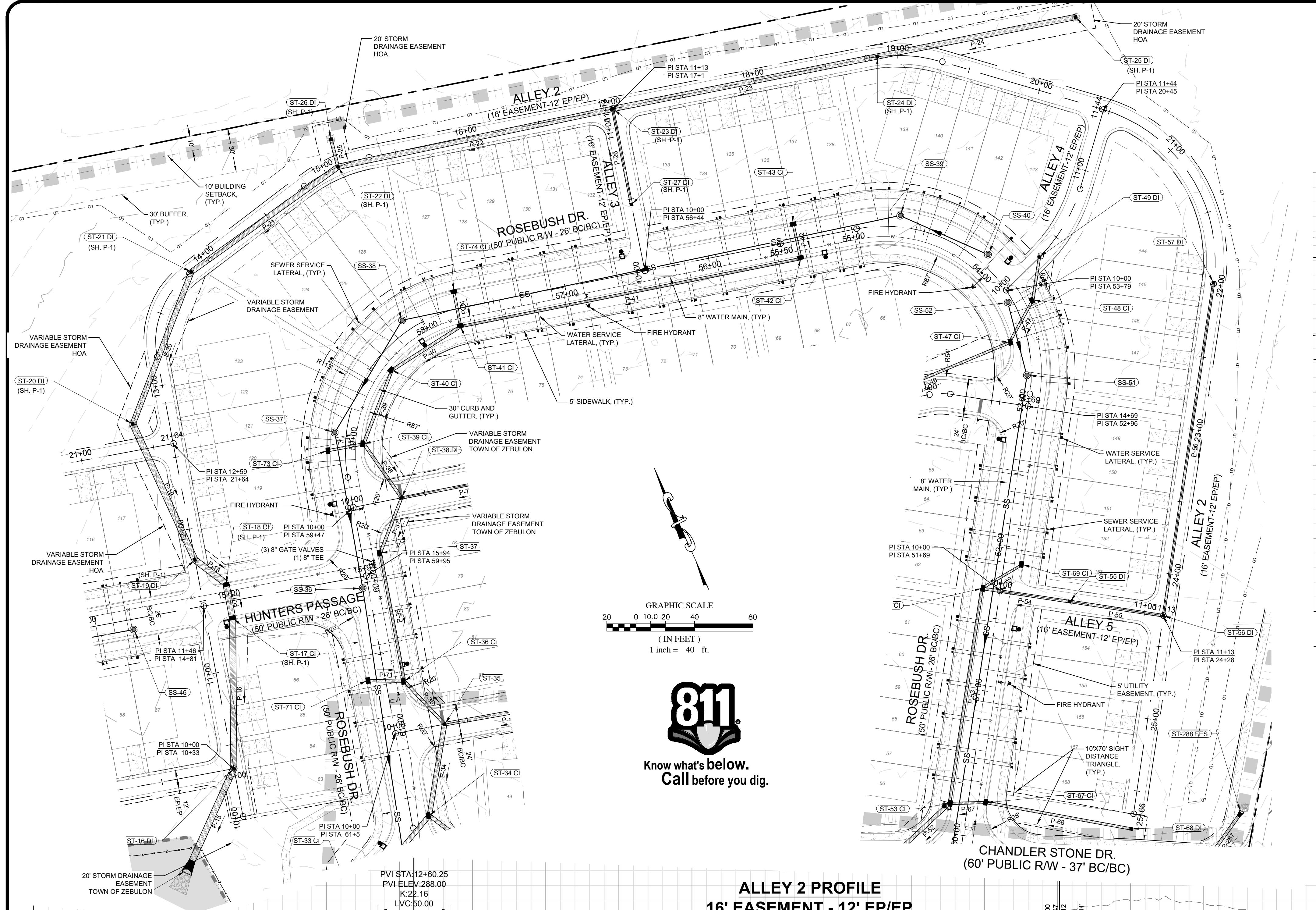


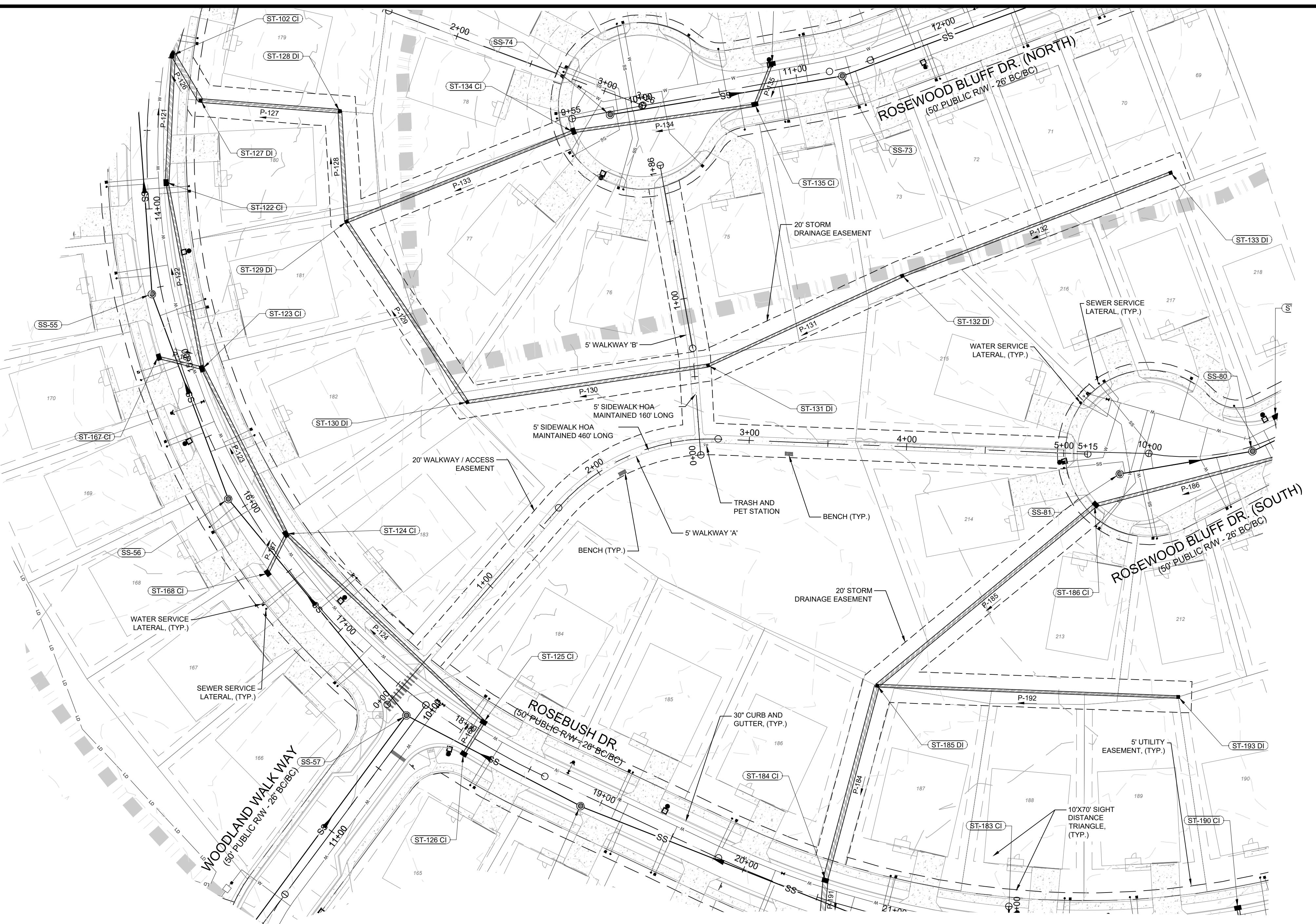
DATE BY

7	FINAL SET
6	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022
5	REVISED PER WAKE COUNTY REVIEW COMMENTS 04/4/2022
4	REVISED PER CITY OF FAIRLEIGH REVIEW COMMENTS 03/21/2022
3	REVISED PER WAKE COUNTY REVIEW COMMENTS 03/24/2022
2	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/12/2021
1	REVISED PER TOWN OF ZEBULON REVIEW COMMENTS 11/12/2021
	REVISIONS



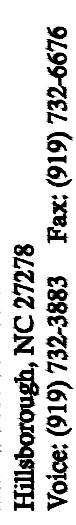
**PLAN & PROFILE -  
CHANDLER STONE DR**





GRAPHIC SCALE  
20 0 10.0 20 40 80  
(IN FEET)  
1 inch = 40 ft.

**SUMMIT**  
DESIGN AND ENGINEERING SERVICES



State License # P-0339  
320 Executive Court  
Hillsborough, NC 27278  
Phone: (919) 732-8853 Fax: (919) 732-6576  
www.summitde.net

**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

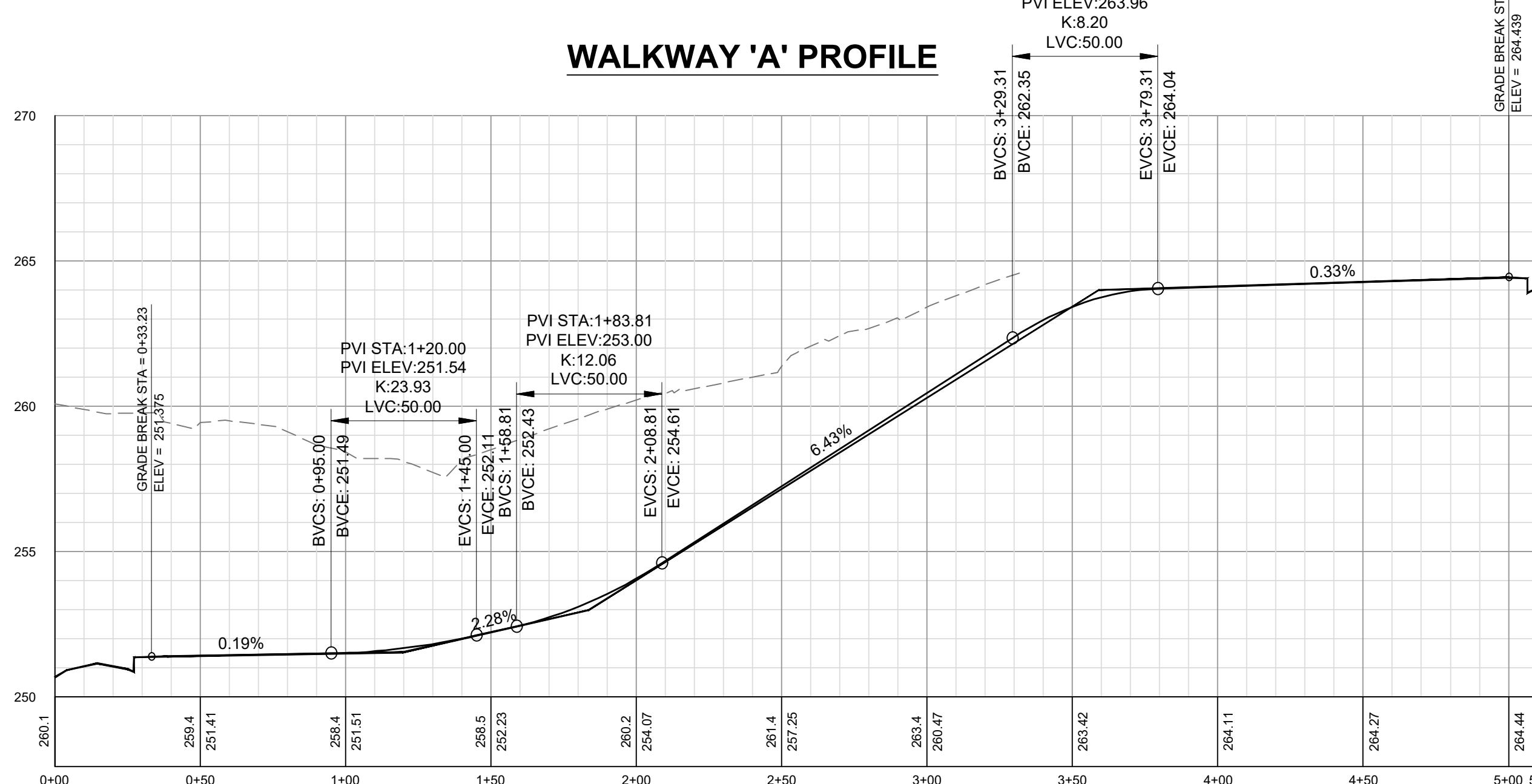


PLAN & PROFILE  
WALKWAYS

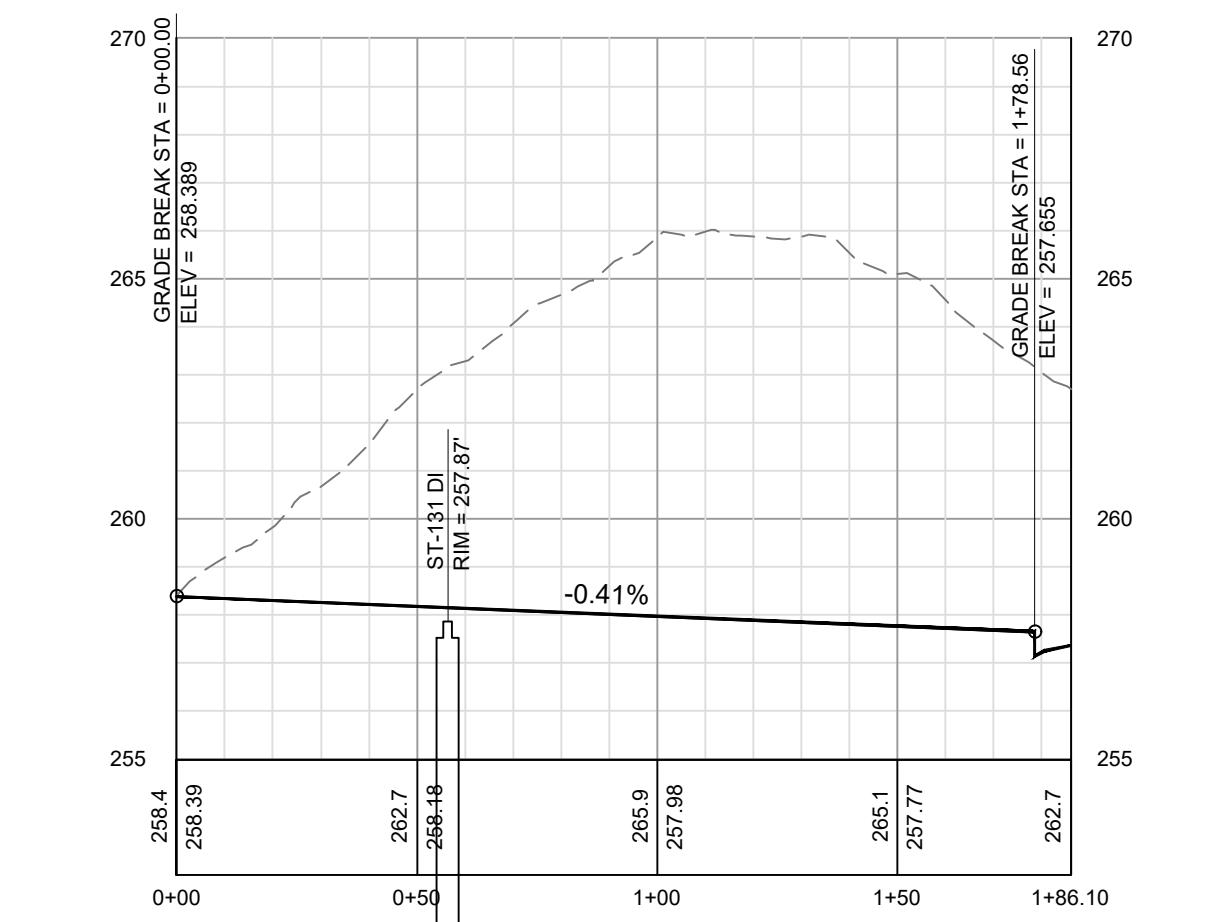
PROJECT NO.  
19-0103  
DRAWING NAME:  
19-0103\_pp.dwg  
SHEET NO.

PP-23

### WALKWAY 'A' PROFILE



### WALKWAY 'B' PROFILE



**WATER AND SEWER PERMITS**

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Utilities Department Permit # W-8363.

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Utilities Department Permit # S-4937.

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

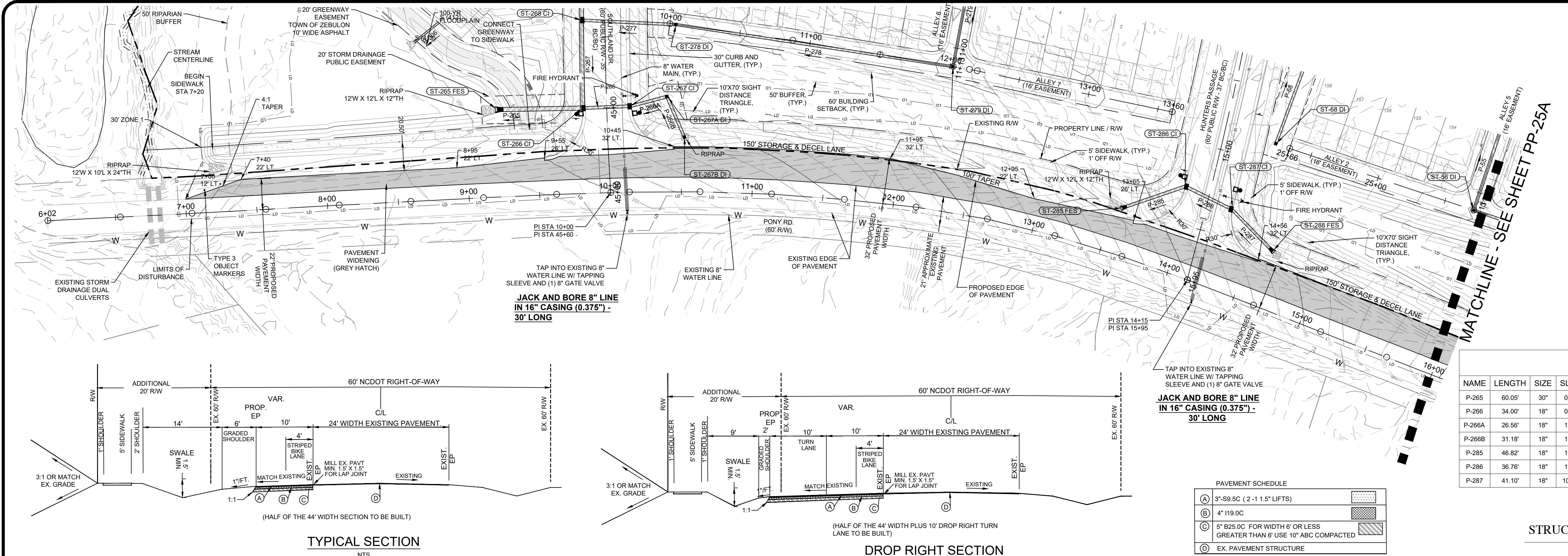
Plans for the proposed use have been reviewed for general compliance with applicable codes and limitations, review, and authorization for construction is not to be considered to represent a permit or license to construct all the requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be considered a permit by the City of Raleigh. State and Federal laws and regulations must be in accordance with all local, State, and Federal rules and regulations. Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_



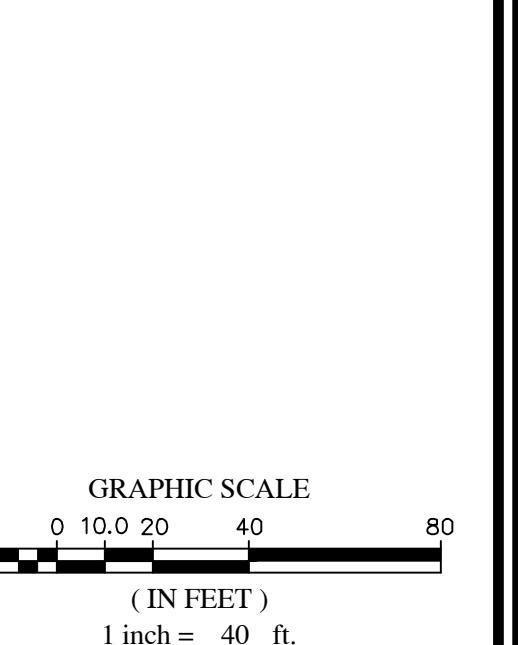
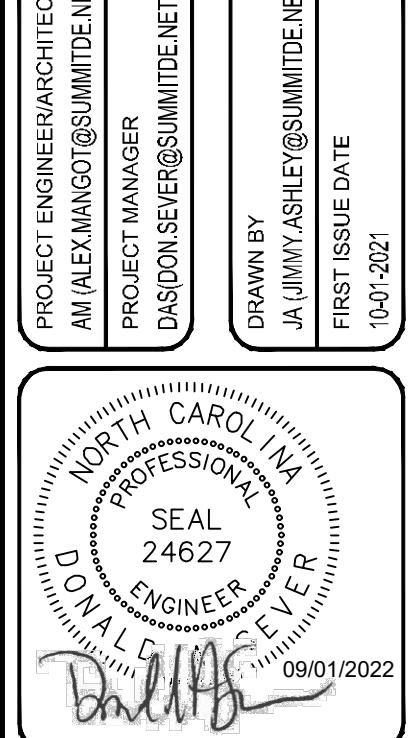
Know what's below.  
Call before you dig.





*[Handwritten notes]*

REVISIONS	DATE
7	09/01/2022
6	06/07/2022
5	05/03/2022
4	04/06/2022
3	04/05/2022
2	02/25/2022
1	01/07/2022



**CONSTRUCTION DRAWINGS FOR  
CADENCE MEADOWS**

**PONY RD. IMPROVEMENTS  
STA 6+00 TO 16+00**

PROJECT NO.: 19-0103  
DRAWING NAME: 19-0103\_pony-rd-widening.dwg  
SHEET NO.: PP-25

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with applicable laws and regulations.

Electronic Approval: This approval is being issued electronically. This approval is valid only if the signature of a City of Raleigh Review Officer below, The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
City of Raleigh Review Officer \_\_\_\_\_

#### WATER AND SEWER PERMITS

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The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # S-4937.

#### CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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Electronic Approval: This approval is being issued electronically. This approval is valid only if the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

PROJECT NO.	DRAWING NAME:	SHEET NO.
19-0103	19-0103_pony-rd-widening.dwg	PP-25