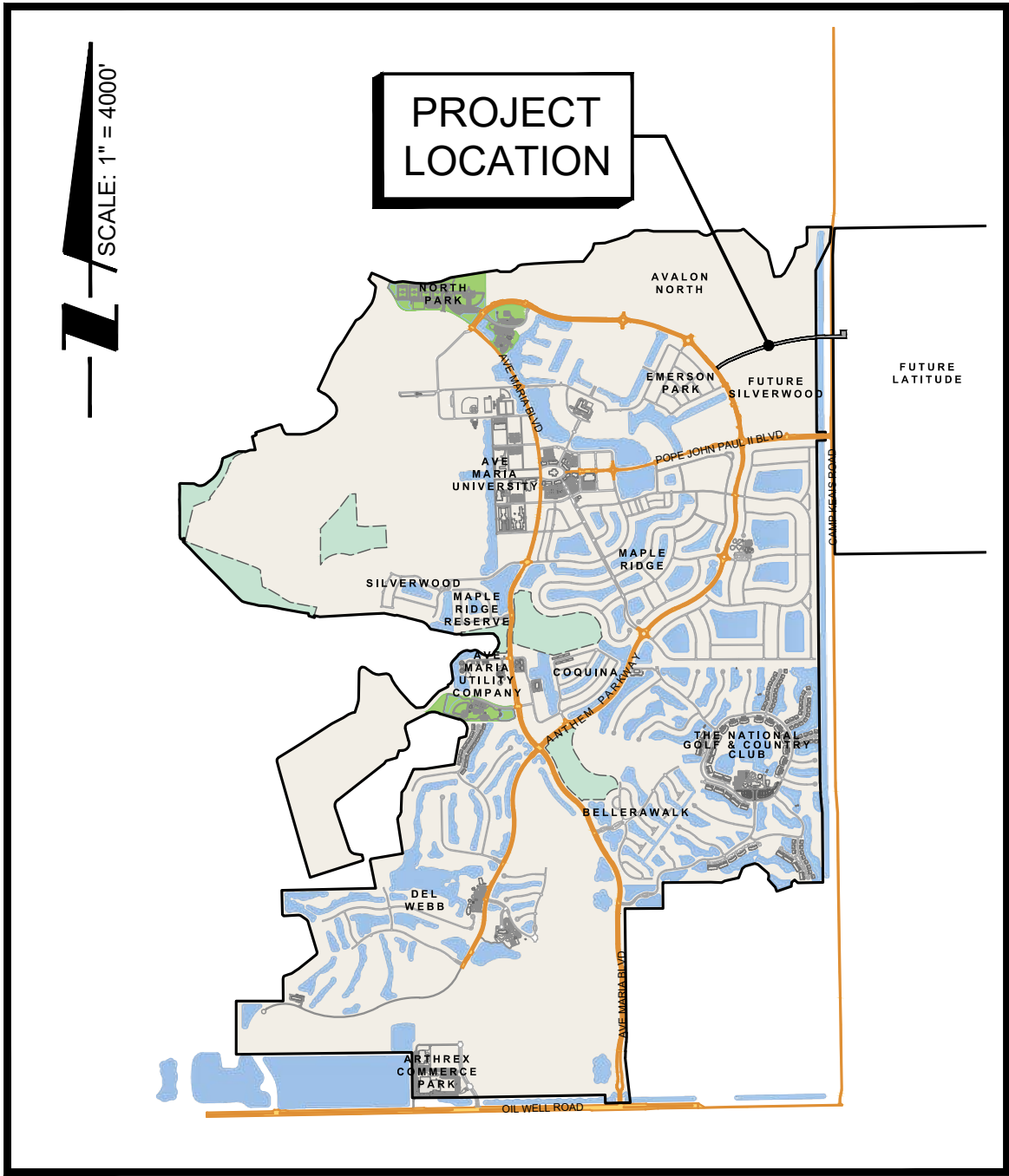


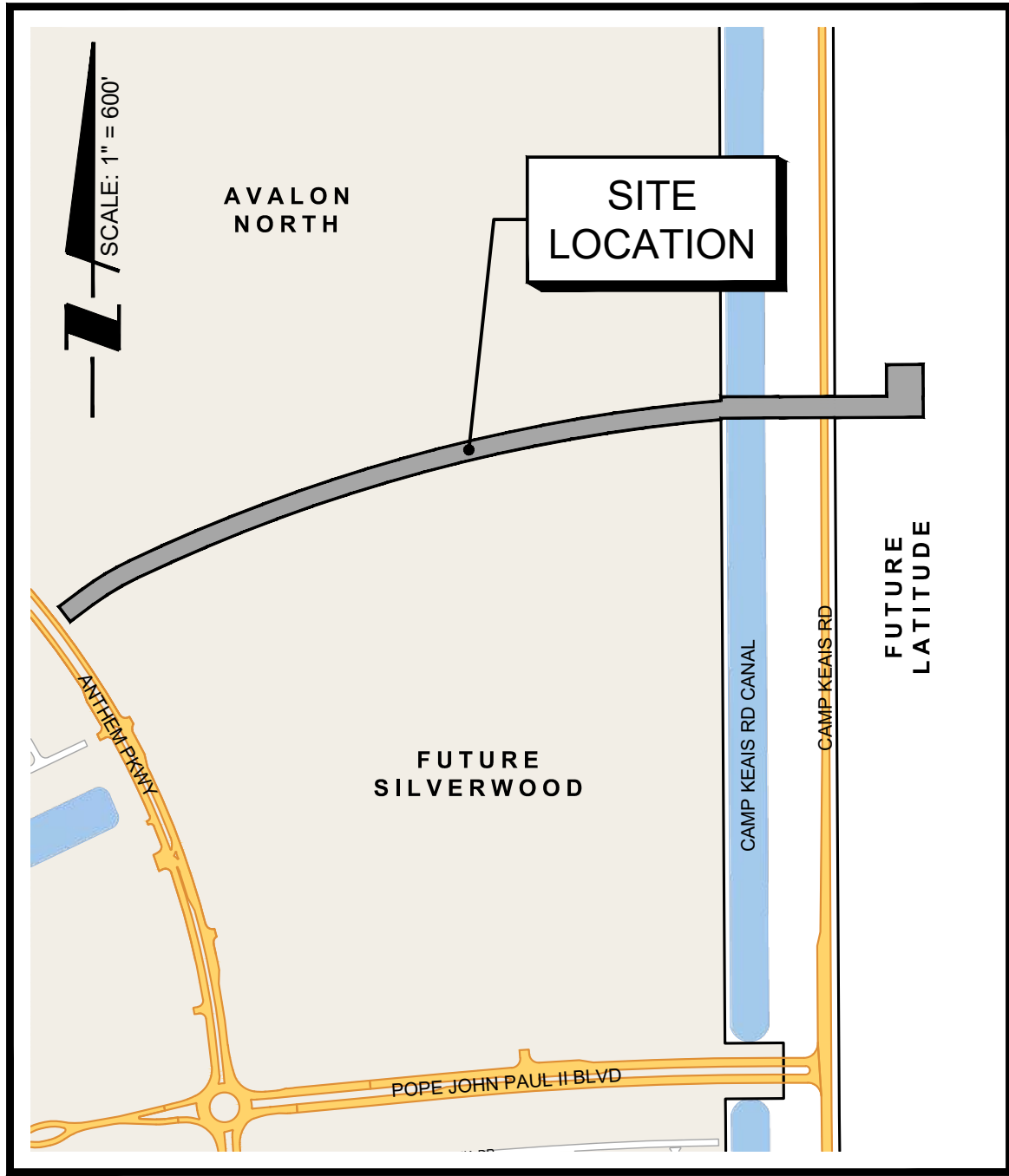
CONSTRUCTION PLANS FOR

# AVALON NORTH AND LATITUDE WATER AND SEWER SERVICE EXTENSION

PART OF SECTION 33, 34, TOWNSHIP 47 SOUTH, RANGE 29 EAST,  
COLLIER COUNTY, FLORIDA



VICINITY MAP



LOCATION MAP

OWNER/DEVELOPER  
BARRON COLLIER PARTNERSHIP, LLLP  
& AMULT, LLC  
2600 GOLDEN GATE PKWY, SUITE 200  
NAPLES, FL 34105  
(239) 262-2600

OWNER/DEVELOPER  
CC AVE MARIA II, LLC  
2020 SALZEDO ST, SUITE 200  
CORAL GABLES, FL 33134  
(305) 448-0353

OWNER/DEVELOPER  
AVE MARIA UTILITY COMPANY, LLLP  
5076 ANNUNCIATION CIRCLE, SUITE 102  
AVE MARIA, FL 34142  
(239) 348-0248



BUILDING SUMMARY:  
N/A

CONSULTANTS:  
SURVEY PENINSULA ENGINEERING  
ENVIRONMENTAL EARTHTECH ENVIRONMENTAL

DATUM NOTE:  
ALL INVERTS AND ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988).

PROJECT INFORMATION:  
PL Number: N/A  
FOLIO Number: 00138600000, 00138601025, 00138602008, 00138680101, 00138640002, 00138602202  
DRI Name: N/A  
SFWMD ERP Number: 11-112088-P  
SRA Ordinances Number: SRA AR-6896, RES. 2005-23A, AS AMENDED  
Zoning: SRA  
Zoning (North): SRA  
Zoning (South): SRA  
Zoning (East): ROW / SRA  
Zoning (West): SRA

DESIGN TEAM:  
PROJECT MANAGER: DANIEL F. WATERS, P.E.  
PROJECT ENGINEER: CONNOR J. JONES, P.E.  
PROJECT DESIGNER: NATHAN MULLINS  
DRAWING BY: NATHAN MULLINS  
PROJECT SURVEYOR: LANCE MILLER, PSM  
PROJECT FILE INFORMATION:  
FILE DATE: FEBRUARY 2025  
FILE NAME: P-AMUC-017-001-C01-001CV.dwg  
PROJECT NUMBER:  
PROFESSIONAL SEALS:  
PROFESSIONAL ENGINEER: CONNOR J. JONES, P.E.  
FLORIDA LICENSE NUMBER: 99495  
FLORIDA ENGINEERING CERTIFICATE OF AUTHORIZATION #28275  
FLORIDA LANDSCAPE CERTIFICATE OF AUTHORIZATION #LC20000632  
SHEET ID:

P-AMUC-017-001-C01 C-001

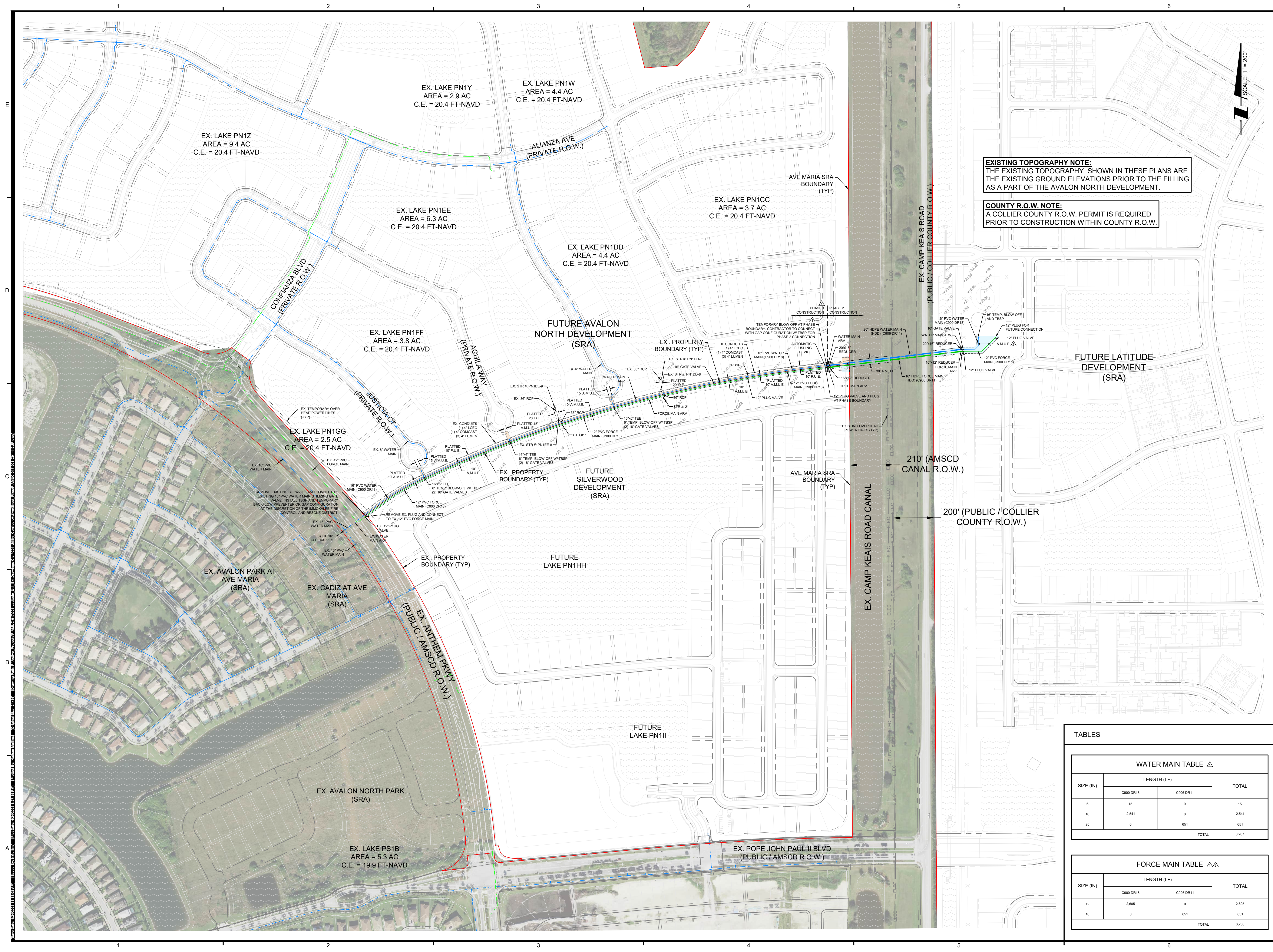












PROJECT:

# AVALON NORTH AND LATITUDE WATER AND SEWER SERVICE EXTENSION

TITLE:

## MASTER PLAN

CLIENT:

AVE MARIA UTILITY  
COMPANY, LLLP

REVISIONS:

No.	Revision	Date
1	REVISED TO ADD PHASING AND UPDATE LANDPLAN ON LATITUDE SIDE	04/14/25
2	REVISED FORCE MAIN STUB-OUT PER ENGINEER	04/24/25

NOTES:

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CONNOR J. JONES, P.E.  
FLORIDA LICENSE NUMBER: 99495

TABLES

WATER MAIN TABLE $\Delta$			
SIZE (IN)	LENGTH (LF)		TOTAL
	C900 DR18	C906 DR11	
6	15	0	15
16	2,541	0	2,541
20	0	651	651
TOTAL			3,207

FORCE MAIN TABLE $\Delta\Delta$			
SIZE (IN)	LENGTH (LF)		TOTAL
	C900 DR18	C906 DR11	
12	2,905	0	2,905
16	0	651	651
TOTAL			3,256

Florida Engineering Certificate of Authorization #020775  
Florida Landscape Certificate of Authorization #L200000632

DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988).

Bar Scale: 1" = 200'

SEC. 33, 34 TWP. 47S RGE. 29E  
City: AVE MARIA County: COLLIER  
Designed by: NATHAN MULLINS  
Drawn by: NATHAN MULLINS  
Date: FEBRUARY 2025  
Horizontal Scale: 1" = 200'  
Vertical Scale: N.T.S.  
File Name: P-AMUC-017-001-C01-112UP.dwg  
Project Number: P-AMUC-017-001-C01  
Sheet ID: C-112  
Sheet Number: 04 of 15

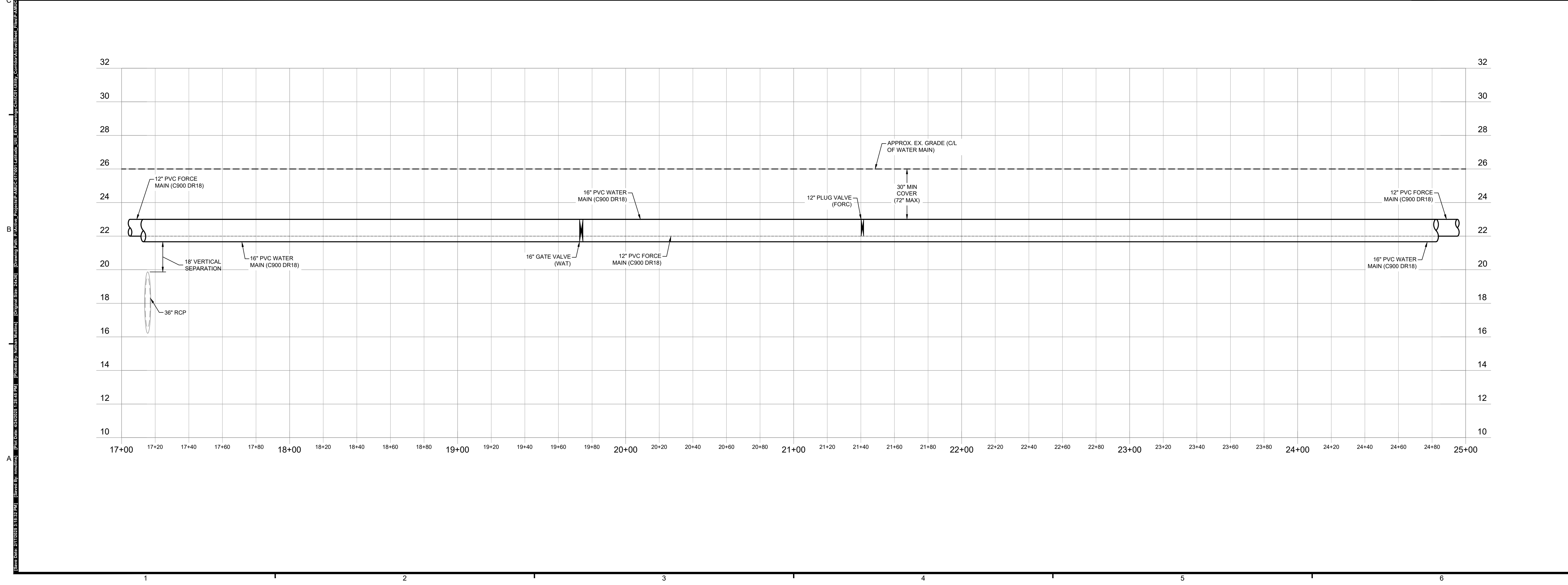
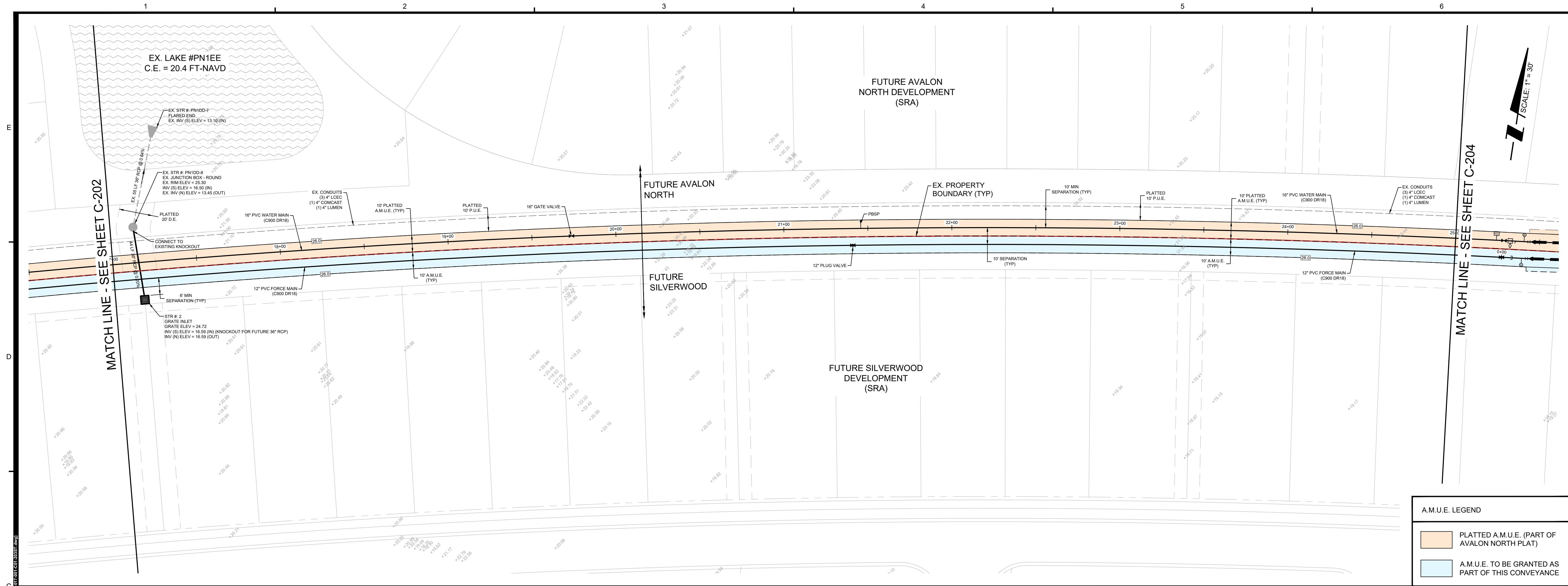












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Naples, FL 34105

239.403.6700  
Pen-Eng.com

PROJECT:

**AVALON  
NORTH AND  
LATITUDE  
WATER AND  
SEWER  
SERVICE  
EXTENSION**

TITLE:

**PLAN AND PROFILE -  
UTILITY CORRIDOR  
(STA 17+00 - STA  
25+00)**

CLIENT:

**AVE MARIA UTILITY  
COMPANY, LLLP**

REVISIONS:

No.	Revision:	Date:

KEYMAP:

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CONNOR J. JONES, P.E.  
FLORIDA LICENSE NUMBER: 99495

Florida Engineering Certificate of Authorization #002775  
Florida Landscape Certificate of Authorization #L200000632

DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988).

Bar Scale: 1" = 30'

SEC: 33, 34 TWP: 47S RGE: 29E  
City: AVE MARIA County: COLLIER  
Designed by: NATHAN MULLINS  
Drawn by: NATHAN MULLINS  
Date: FEBRUARY 2025  
Horizontal Scale: 1" = 30'  
Vertical Scale: 1" = 3'  
File Name: P-AMUC-017-001-C01-203ST.dwg  
Project Number: P-AMUC-017-001-C01  
Sheet ID: C-203  
Sheet Number: 07 of 15















Sheet Number: 11 of 15

# 1-800-BOLLARDS

**The Bollard Experts**

1-800-BOLLARDS  
24370 NORTHWESTERN  
SOUTHFIELD, MI 48075  
TOLL FREE: 1-800-BOLLARDS  
PHONE: (800) 265-5273  
www.1800bollards.com

☒ SELECT DESIRED MATERIAL:  
(6" NOMINAL SIZE)

- ☐ PS806000 SCH 10 STAINLESS STEEL
- ☐ PS806040 SCH 40 STAINLESS STEEL
- ☐ PS806080 SCH 80 STAINLESS STEEL
- ☒ PS806040 SCH 40 ASTM A-53 CARBON STEEL
- ☐ PS806080 SCH 80 ASTM A-53 CARBON STEEL

☒ SELECT DESIRED STAINLESS  
STEEL BOLLARD FINISH:

- ☐ POLISHED #4 FINISH
- ☐ AS SPECIFIED \_\_\_\_\_

☒ SELECT DESIRED CARBON  
STEEL BOLLARD FINISH:

- ☐ POWDERCOAT RAL # \_\_\_\_\_
- ☒ AS SPECIFIED \_\_\_\_\_

☒ SELECT DESIRED STAINLESS  
STEEL BOLLARD MATERIAL:

- ☐ TYPE 304
- ☐ TYPE 316

☒ SELECT DESIRED BOLLARD CAP STYLE:

- ☒ DOME (SHOWN)
- ☐ STANDARD FLAT
- ☐ REVEAL
- ☐ SLOPED

**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. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 5046-027.

**PLAN VIEW**

**PLAN VIEW OF CLOSED LID**

**ELEVATION VIEW - FOUNDATION**  
(CONCEPTUAL DESIGN ONLY)

**END VIEW**  
**FOUNDATION**

**PADLOCK REMOVABLE BOLLARDS**

6" PADLOCK REMOVABLE BOLLARD - PL OUTSHEET SIZE A FORM

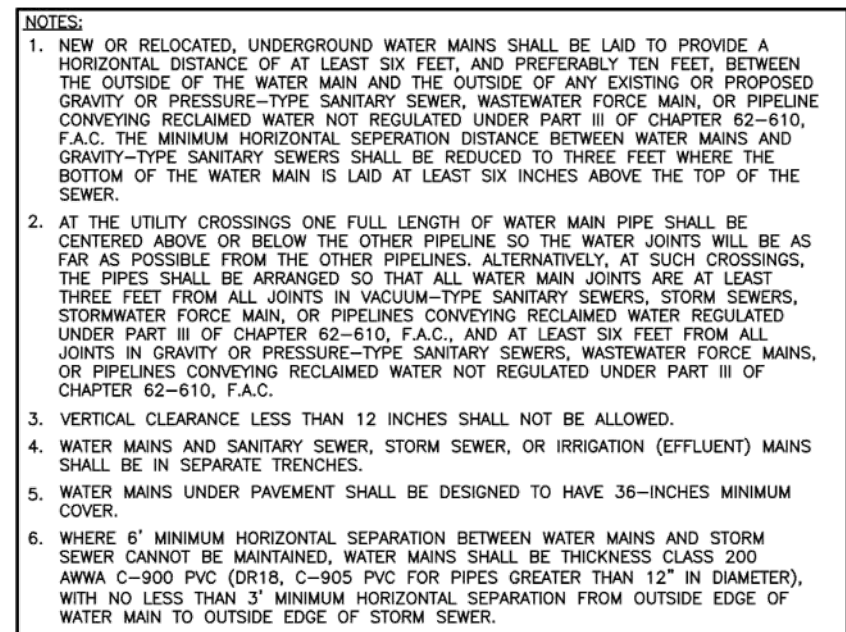
5046-027

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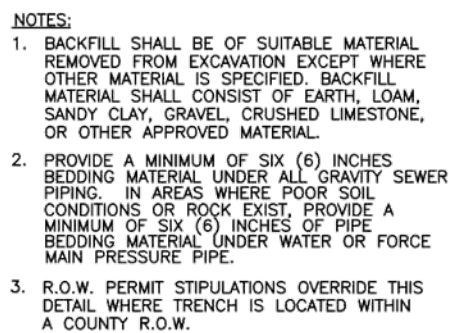
REVISION DATE 10/19/2015

CADdetails

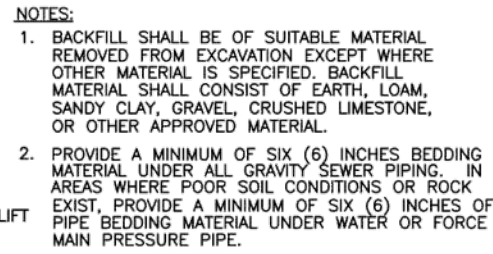




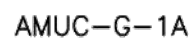
N.T.S



N.T.S.



NTS



**TITLE:**

**CLIENT:**

REVISIONS:

[illegible]

NOTES:

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**PROFESSIONAL SEALS:**

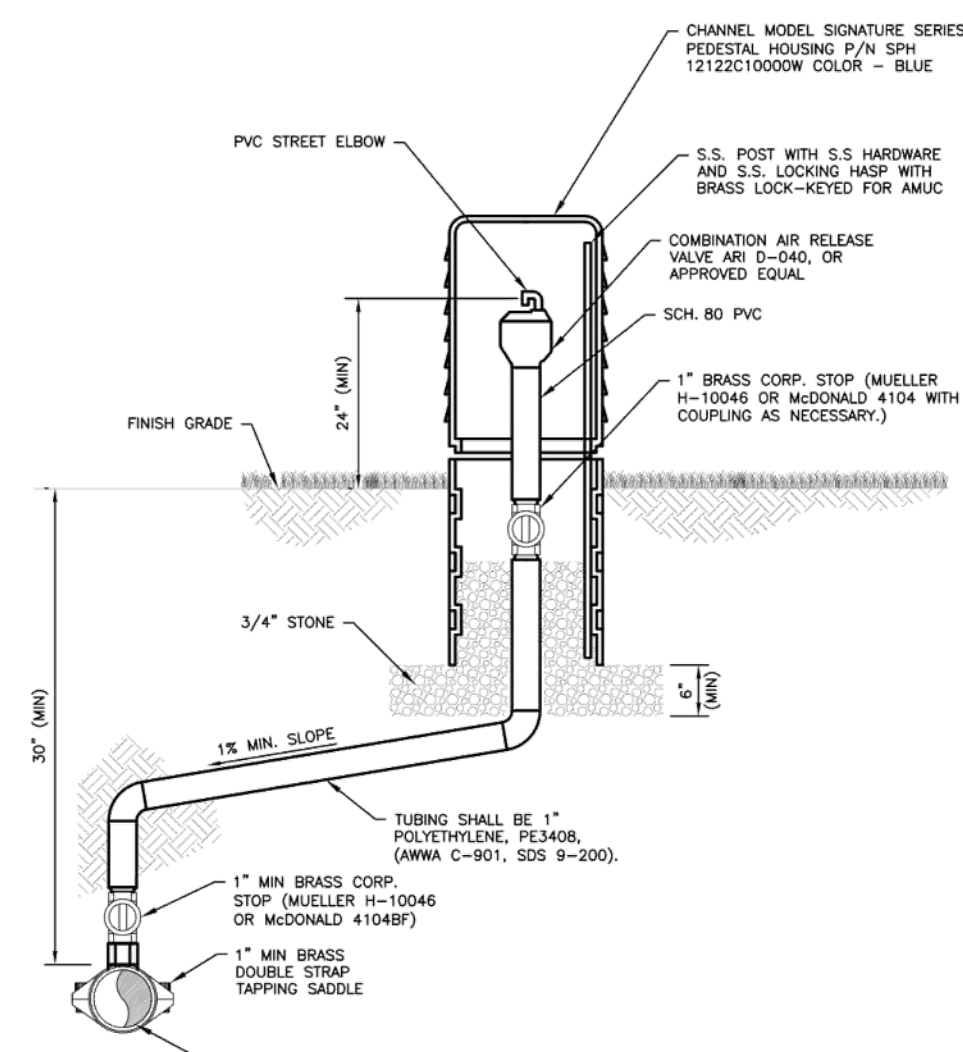
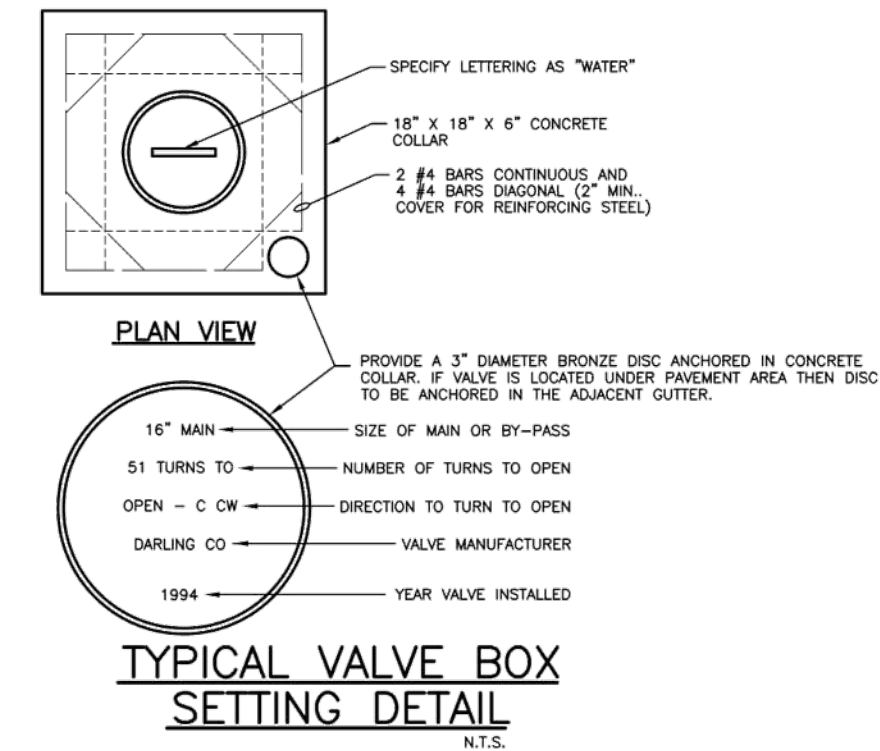
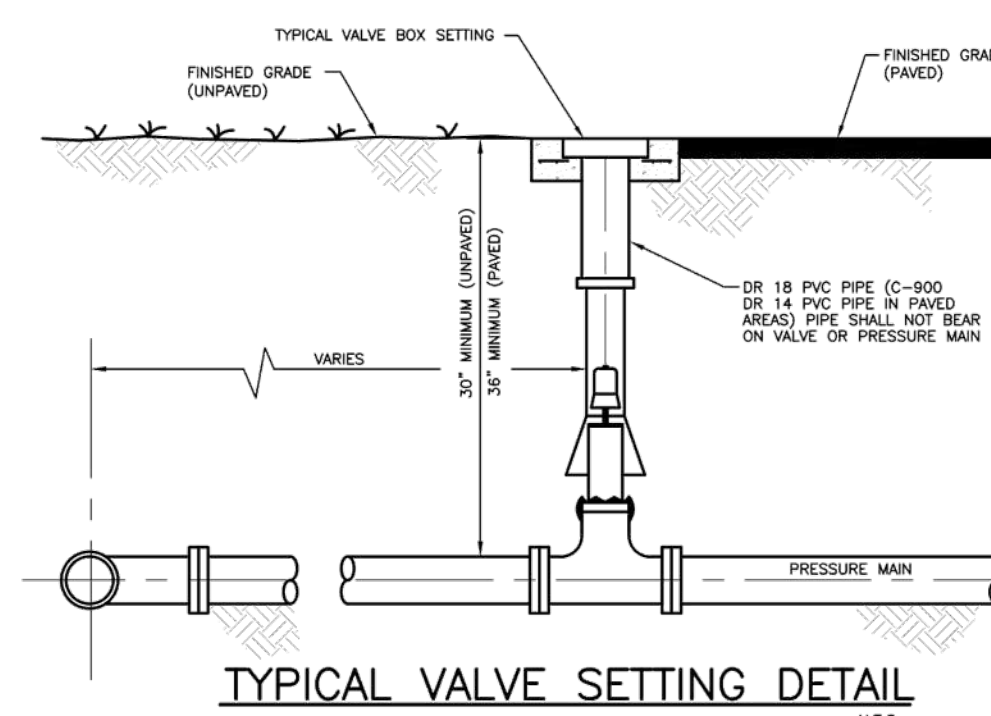
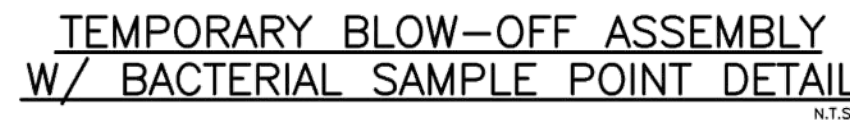
PROFESSIONAL ENGINEER: CONNOR J. JONES, P.E.  
FLORIDA LICENSE NUMBER: 99495

Florida Engineering Certificate of Authorization #28275  
Florida Landscape Certificate of Authorization #LC28000632

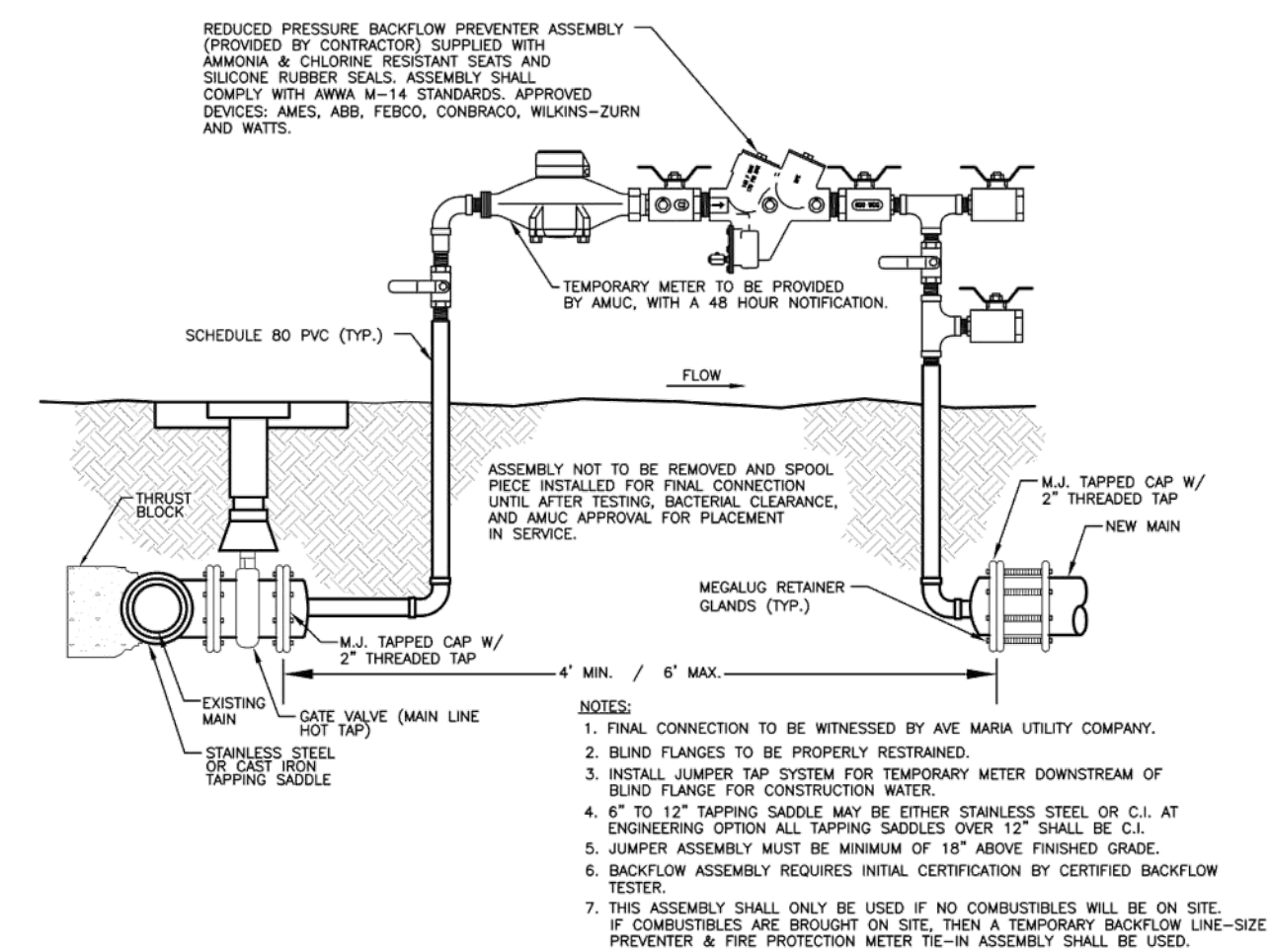
DATUM NOTE:  
ALL ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988)

SEC: 33, 34		TWP: 47S	RGE: 29E
City: AVE MARIA		County:	COLLIER
Designed by:		NATHAN MULLINS	
Drawn by:		NATHAN MULLINS	
Date:		FEBRUARY 2025	
Horizontal Scale:		N.T.S.	
Vertical Scale:		N.T.S.	
File Name:		P-AMUC-017-001-C01-511DT.dwg	
Project Number:		P-AMUC-017-001-C01	
Sheet ID:		C-511	
Sheet Number:		12 of 15	

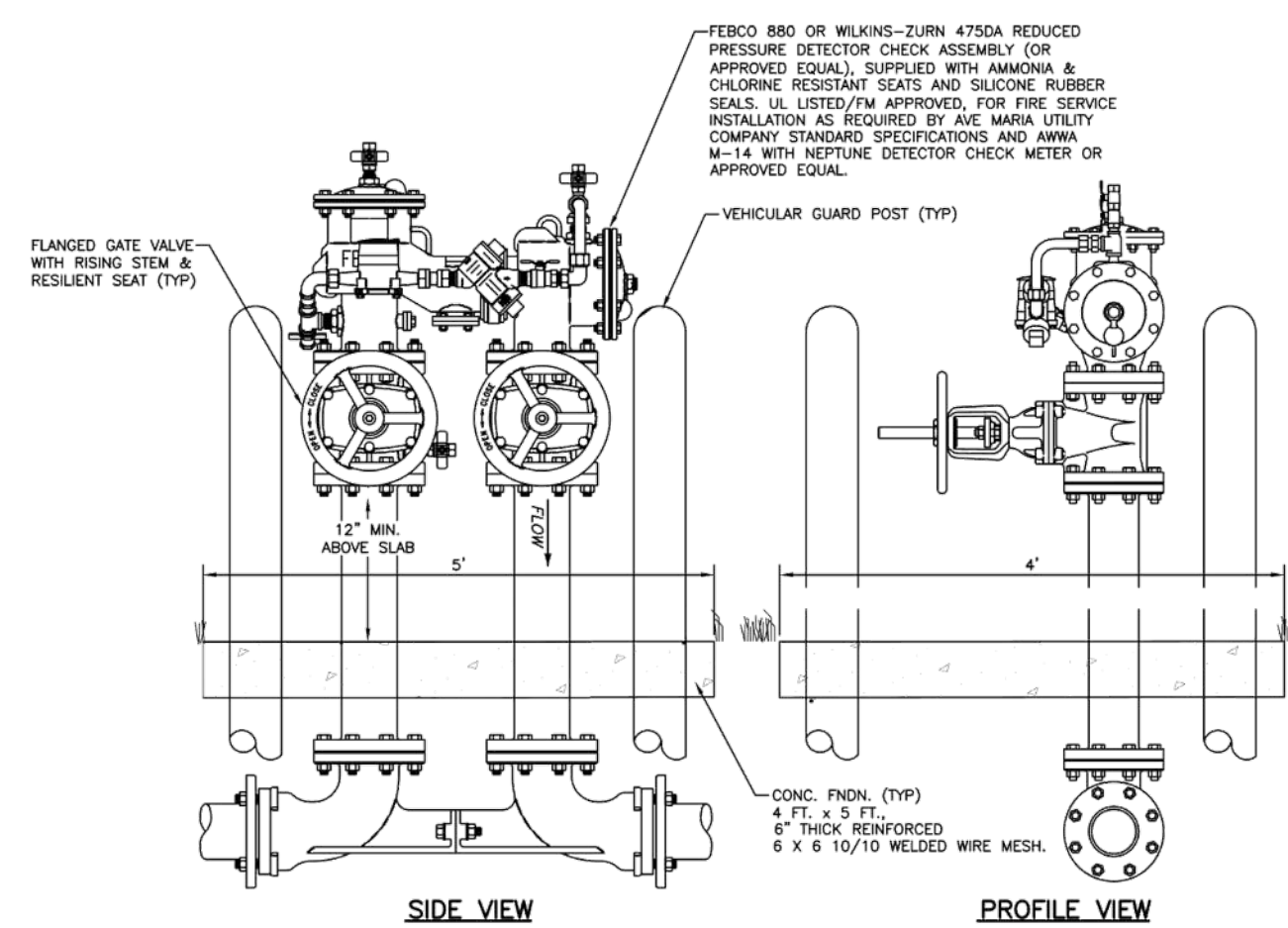
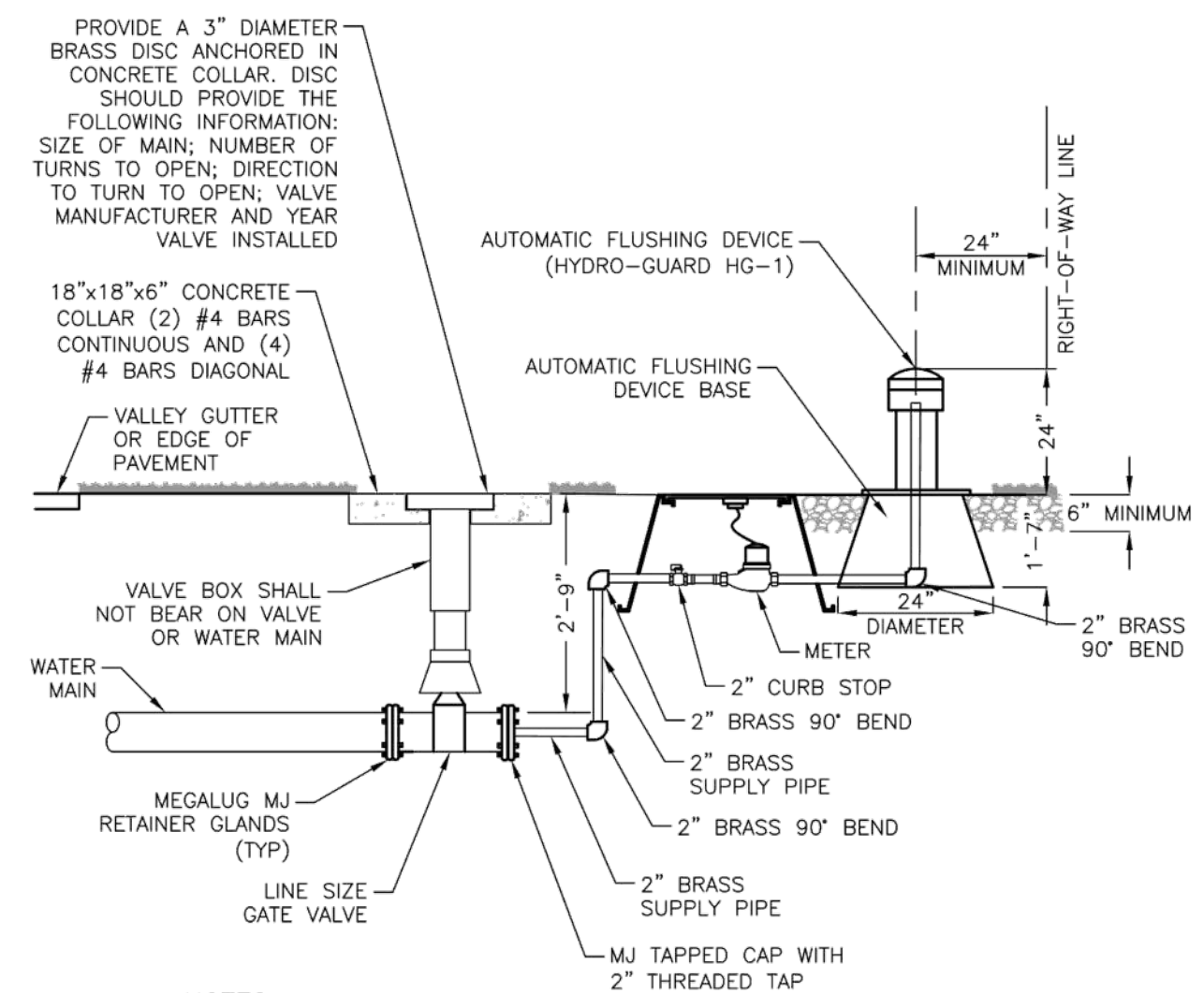




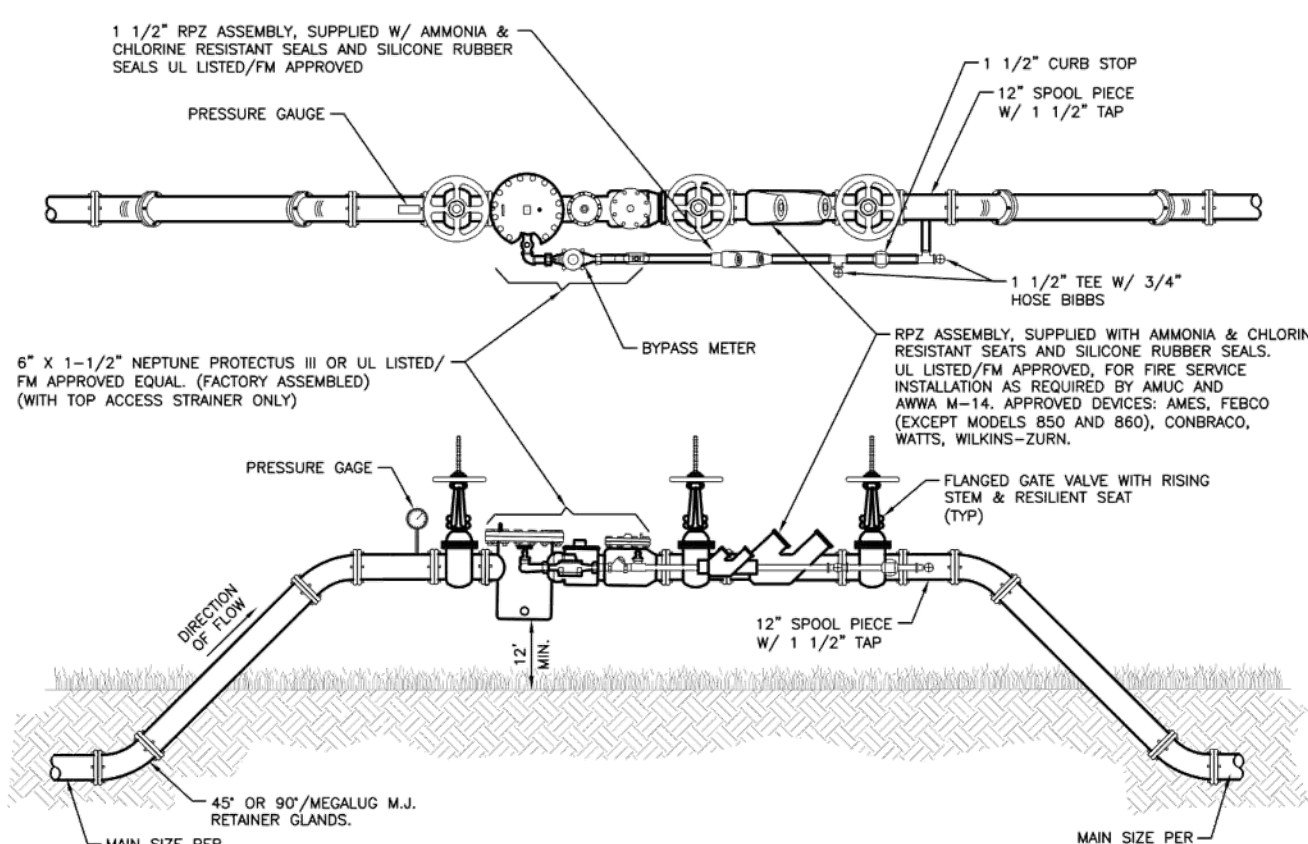
AIR RELEASE VALVE DETAIL  
(POTABLE WATER)  
N.T.S.



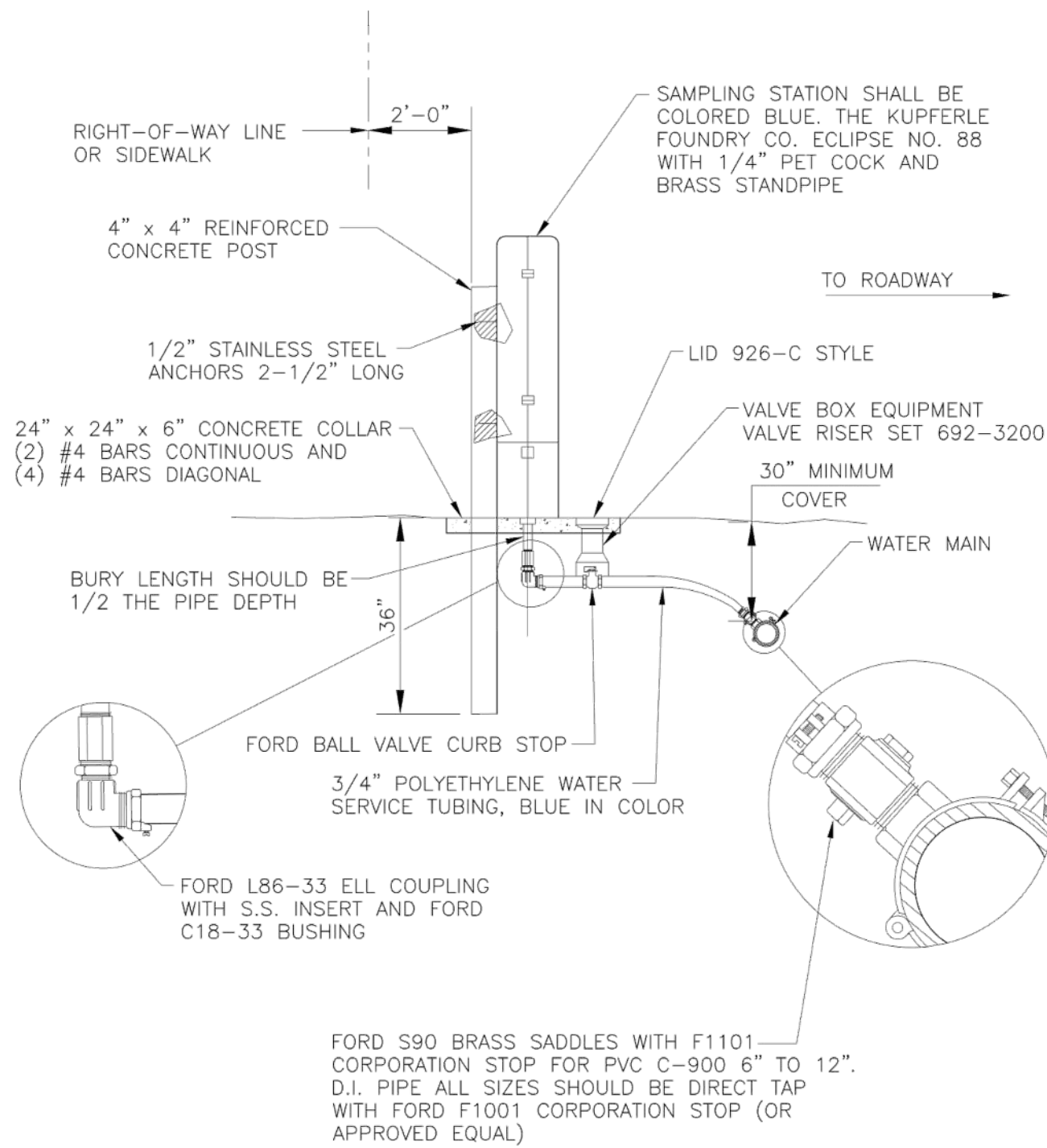
CONNECTION TO EXISTING WATER MAIN DETAIL  
(GAP CONFIGURATION)



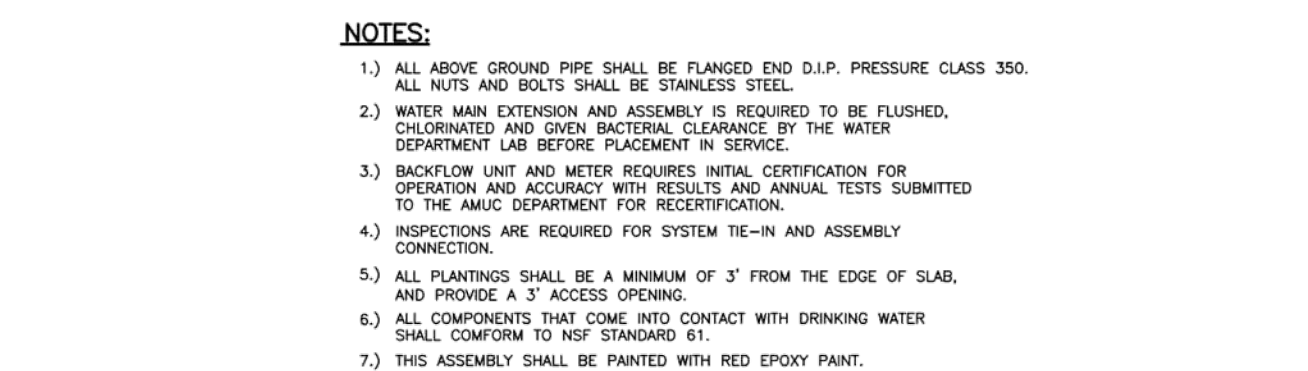
COMPACT FIRE SYSTEM DETECTOR  
CHECK ASSEMBLY DETAIL  
(WITH NO CONNECTIONS PERMITTED DOWNSTREAM)



# TEMPORARY BACKFLOW PREVENTOR AND FIRE PROTECTION METER TIE-IN ASSEMBLY



PERMANENT BACTERIAL  
SAMPLE POINT DETAIL



AUTOMATIC WATER MAIN  
FLUSHING DEVICE DETAIL  
NTS

AMUC-W-19  
REVISED: JUNE 8, 2009



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- SURVEYING
- LAND DEVELOPMENT

**2600 Golden Gate Pkwy  
Naples, FL 34105**

**239.403.6700  
Pen-Eng.com**

PROJECT:

# AVALON NORTH AND LATITUDE WATER AND SEWER SERVICE EXTENSION

TITLE:

## STANDARD AMUC WATER MAIN DETAILS

CLIENT:

AVE MARIA UTILITY  
COMPANY, LLLP

REVISIONS:

No:      Revision:      Date:

[illegible]

NOTES:

PROFESSIONAL SEALS:	
PROFESSIONAL ENGINEER:	CONNOR J. JONES, P.E.
FLORIDA LICENSE NUMBER:	99495

Florida Engineering Certificate of Authorization #28275  
Florida Landscape Certificate of Authorization #LC26000632

---

**DATUM NOTE:**  
ALL ELEVATIONS ARE BASED ON NAVD 88  
(NORTH AMERICAN VERTICAL DATUM OF 1988).

SEC: 33, 34	TWP: 47S	RGE: 29E
City: AVE MARIA	County: COLLIER	
Designed by:	NATHAN MULLINS	
Drawn by:	NATHAN MULLINS	
Date:	FEBRUARY 2025	
Horizontal Scale:	N.T.S.	
Vertical Scale:	N.T.S.	
File Name:	P-AMUC-017-001-C01-521WM.dwg	
Project Number:	P-AMUC-017-001-C01	
Sheet ID:	C-521	
Sheet Number:	13	of 15









1. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS. EROSION CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE STABILIZED.
2. THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDEP, PGS 6-301 TO 6-600).
  - a) BMP# 1.01 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
  - b) BMP# 1.05 STRAW BALE BARRIER
  - c) BMP# 1.06 SILT FENCE
  - d) BMP# 1.08 STORM INLET DRAIN PROTECTION
3. THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.07 OF THE COLLIER COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. ADDITIONALLY, THE CONTRACTOR IS ALSO RESPONSIBLE FOR CREATING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN AS PER THE REQUIREMENTS OF THE NPDES PERMIT.
5. THIS PLAN IS A CONCEPT, PREPARED TO DEMONSTRATE ONE APPROACH TO PROVIDING EROSION CONTROL FOR THE PROJECT, AS REQUIRED BY COLLIER COUNTY FOR PERMITTING PURPOSES. SITE GENERAL CONTRACTOR MAY PROVIDE AN ALTERNATIVE PLAN AT THE TIME OF NPDES PERMITTING, AND TO THE CONTRACTOR.

Florida Engineering Certificate of Authorization #03275 Florida Engineering Certificate of Authorization #LC260005932	
<b>DATUM NOTE:</b> ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)	
Bar Scale: 1" = 30'	
SEC: 33, 34	TWP: 47S      RGE: 29E
City: AVE MARIA	COUNTY: COLLIER
Designed by:	NATHAN MULLINS
Drawn by:	NATHAN MULLINS
Date:	FEBRUARY 2025
Horizontal Scale:	1" = 200'
Vertical Scale:	N.T.S.
File Name:	P-AMUC-017-001-C01-701EC.dwg
Project Number:	P-AMUC-017-001-C01-701
Sheet ID:	<b>C-701</b>
Sheet Number:	15 of 15