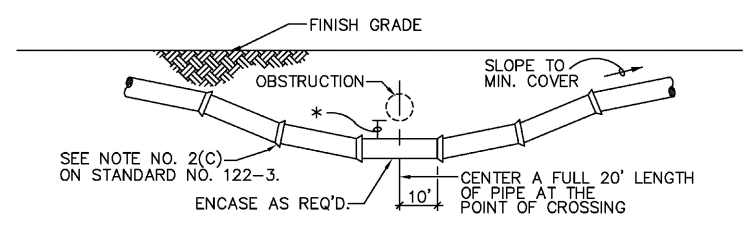


* 12" MINIMUM CLEARANCE REQUIRED FOR PRESSURE TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN OR REUSE WATER MAIN CROSSINGS. IF MINIMUM CLEARANCE CANNOT BE OBTAINED, REFER TO "PROTECTION OF POTABLE WATER SUPPLY" FOR WATER MAIN CROSSINGS. SEE NOTE 2(a), ON STANDARD NO. 122-3.

6" MINIMUM CLEARANCE REQUIRED FOR WATER AND STORMWATER, SEWER MAIN CROSSINGS. SEE NOTE 2(a), ON STANDARD NO. 122-3.



NOTES:

- THE DEFLECTION TYPE CROSSING SHALL BE USED WHEREVER POSSIBLE. ONLY UNDER SPECIAL CIRCUMSTANCES BY THE ENGINEER SHALL THE FITTING TYPE CROSSING BE ALLOWED.
- CONSTRUCT STANDARD CROSSING USING NO MORE THAN 75% OF MANUFACTURER'S MAXIMUM JOINT DEFLECTION.
- FOR POTABLE WATER MAINS, REFER TO "PROTECTION OF POTABLE WATER SUPPLY".

UTILITY CROSSINGS

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	UTILITY CROSSINGS
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 07/12		DATE: JAN. 2022
	SCALE: N.T.S.	DWG. NO. 122-1

PROTECTION OF POTABLE WATER SUPPLY NOTES

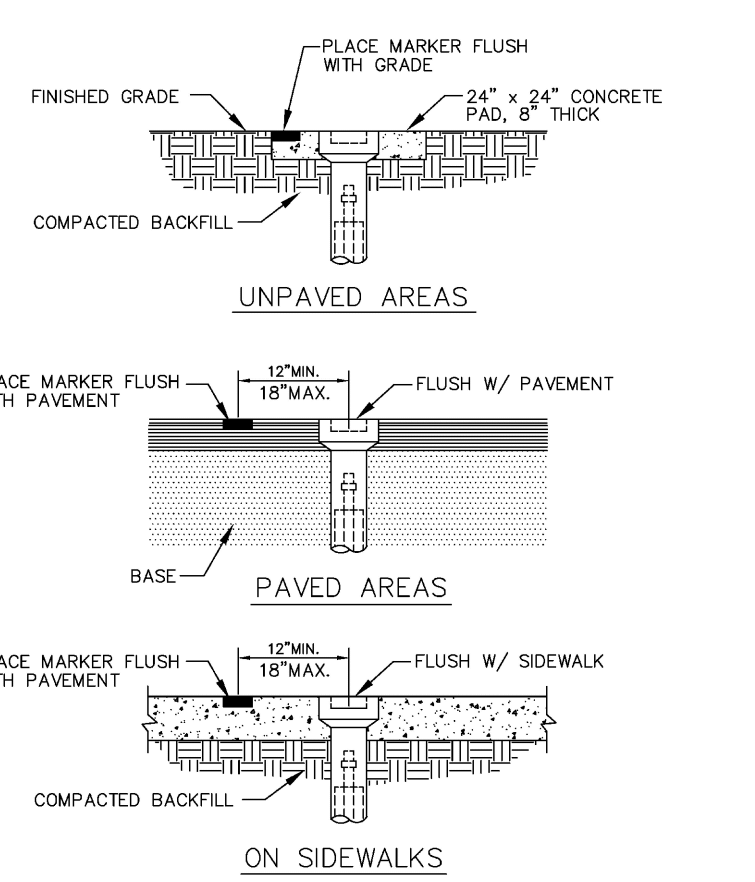
- A. GENERAL
- IN ADDITION TO THESE REQUIREMENTS, ALL POTABLE WATER MAINS CONSTRUCTED IN THE VICINITY OF STORM SEWERS, SANITARY SEWERS OR FORCE MAINS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF FLORIDA ADMINISTRATIVE CODE CHAPTER 62-555, GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS (GLUMRB) "RECOMMENDED STANDARDS FOR WATER WORKS," AND GLUMRB "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES."
- B. DEFINITIONS
- FOR THE PURPOSES OF THIS SPECIFICATION, THE WORDS "OTHER PIPE" OR "OTHER PIPES" SHALL MEAN SANITARY SEWER MAIN, SEWAGE FORCE MAIN, STORMWATER MAIN OR ANY COMBINATION THEREOF.
- C. CROSS CONNECTIONS PROHIBITED
1. THERE SHALL BE NO PHYSICAL CONNECTIONS BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND ANY OTHER PIPE OR APPURTENANCE THEREOF WHICH WOULD PERMIT ANY OTHER PIPE OR APPURTENANCE TO DISCHARGE INTO THE POTABLE WATER SUPPLY. CONTAMINATED WATER, OR ANY OTHER WATER INTO THE "POTABLE" SUPPLY. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE OR STORMWATER MANHOLE.
- D. RELATION OF OTHER PIPES TO POTABLE WATER MAINS
1. HORIZONTAL SEPARATION
- A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM WATER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610.F.A.C.
- B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER CHAPTER 62-610.F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	POTABLE WATER SUPPLY NOTES
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 07/12		DATE: JAN. 2022
	SCALE: N.T.S.	DWG. NO. 122-2

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE" SEWAGE TREATMENT AND DISPOSAL SYSTEM."
2. VERTICAL SEPARATION
- A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER REGULATED UNDER PART III OF CHAPTER 62-610.F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610.F.A.C.
- WHERE THE HORIZONTAL CAN BE LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCES FROM JOINTS IN THE OTHER PIPELINE OR THE HORIZONTAL IS LESS THAN THREE FEET FROM ANOTHER PIPELINE OR THE UNDER GROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR RECOMMENDED SOLUTIONS TO MEET THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS PER CHAPTER 62-555, F.A.C.

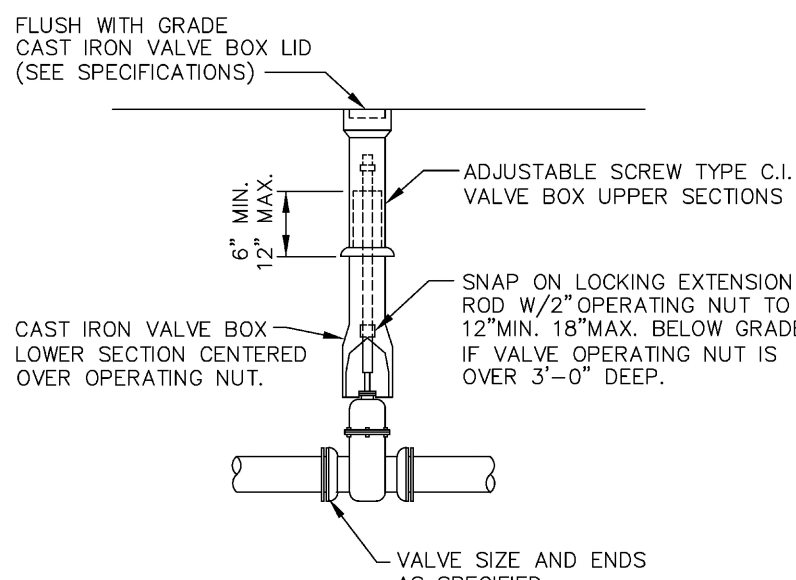
PROTECTION OF POTABLE WATER SUPPLY NOTES

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	POTABLE WATER SUPPLY NOTES
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 07/12		DATE: JAN. 2022
	SCALE: N.T.S.	DWG. NO. 122-3



VALVE BOX SETTINGS

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	VALVE BOX SETTINGS
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 04-2020		DATE: MAY 2022
	SCALE: N.T.S.	DWG. NO. 102-1

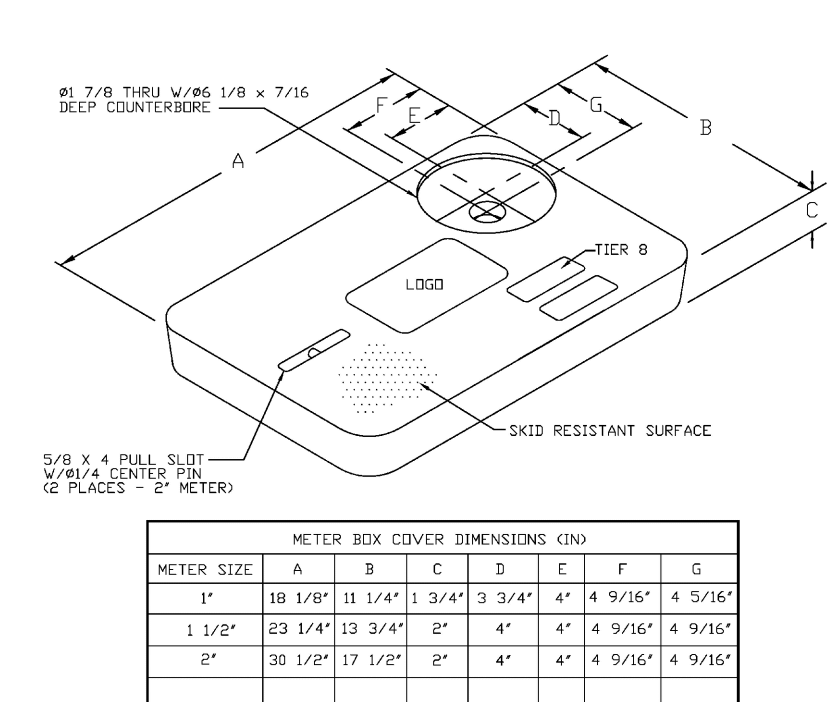


GATE OR PLUG VALVE SETTING

USE MEGALUGS AT ALL PIPE JOINTS

ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	GATE OR PLUG VALVE SETTINGS
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 04-2020		DATE: MAY 2022
	SCALE: N.T.S.	DWG. NO. 103-1

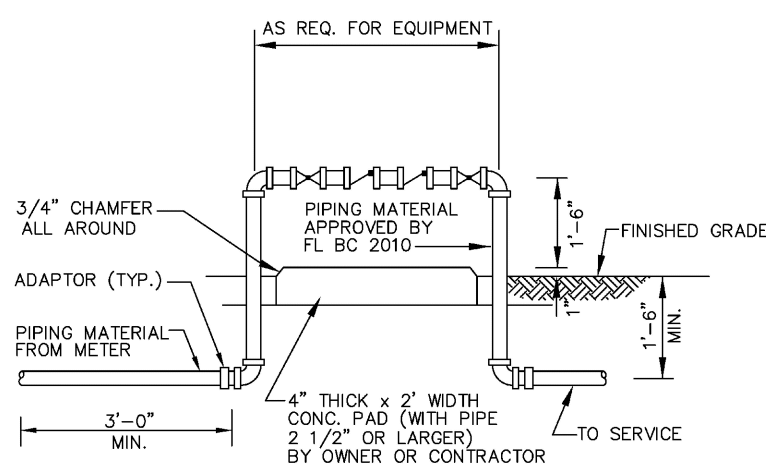


METER BOX COVER DIMENSIONS (IN)

METER SIZE	A	B	C	D	E	F	G
1"	18 1/8"	18 1/4"	1 3/4"	3 3/4"	4"	4 9/16"	4 9/16"
1 1/2"	23 1/4"	23 3/4"	2"	4"	4"	4 9/16"	4 9/16"
2"	30 1/2"	17 1/2"	2"	4"	4"	4 9/16"	4 9/16"

POTABLE WATER METER BOX COVER

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	TYPICAL METER BOX COVER
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 11-2012		DATE: JAN. 2022
	SCALE: N.T.S.	DWG. NO. 105-3



BACKFLOW PREVENTER

USE MEGALUGS AT ALL PIPE JOINTS 3" AND LARGER
PLEASE SEE METER INSTALL DIMENSION LIST ON STANDARD NO. 106-4
SMALL UNITS USE-STRIUT SUPPORT

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	BACKFLOW PREVENTER
BY DATE	CITY OF POMPAÑO BEACH	
T.W. 04-2008		DATE: MAY 2022
S.S. 03-2009		DWG. NO. 106-1
S.S. 11-2012		
S.S. 01-2013		SCALE: N.T.S.

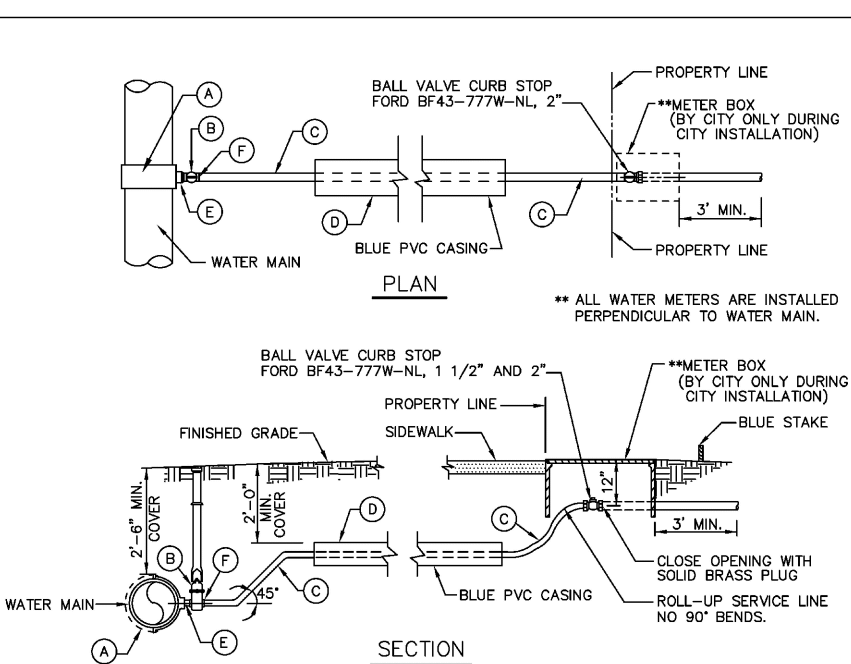
FIRE METERS - OS & Y VALVES, GASKETS & METER		METER W/ TOTAL LENGTH	
SIZE	VALVES (2)	GASKETS (4)	Strainer
3" w/ 4" X 3" Reducer **	16"	1/2"	30" **
4"	18"	1/2"	27 1/2"
6"	21"	1/2"	33"
8"	23"	1/2"	30"
10"	26"	1/2"	41"

FIRE Meter Domestic Water Service Meters - TEES, OS & Y VALVES, GASKETS & METERS		Meter w/ TOTAL LENGTH	
SIZE	TEES (2)	VALVES (2)	GASKETS (4)
3" X 3" - 22"	16"	3/4"	30" **
4" X 3" - 26"	18"	3/4"	27 1/2"
6" X 4" - 32"	21"	3/4"	33"
8" X 4" - 36"	23"	3/4"	30"
10" X 6" - 44"	26"	3/4"	41"

*All fittings, valves and meters are flanged & all dimensions are from face of flange to face of flange.

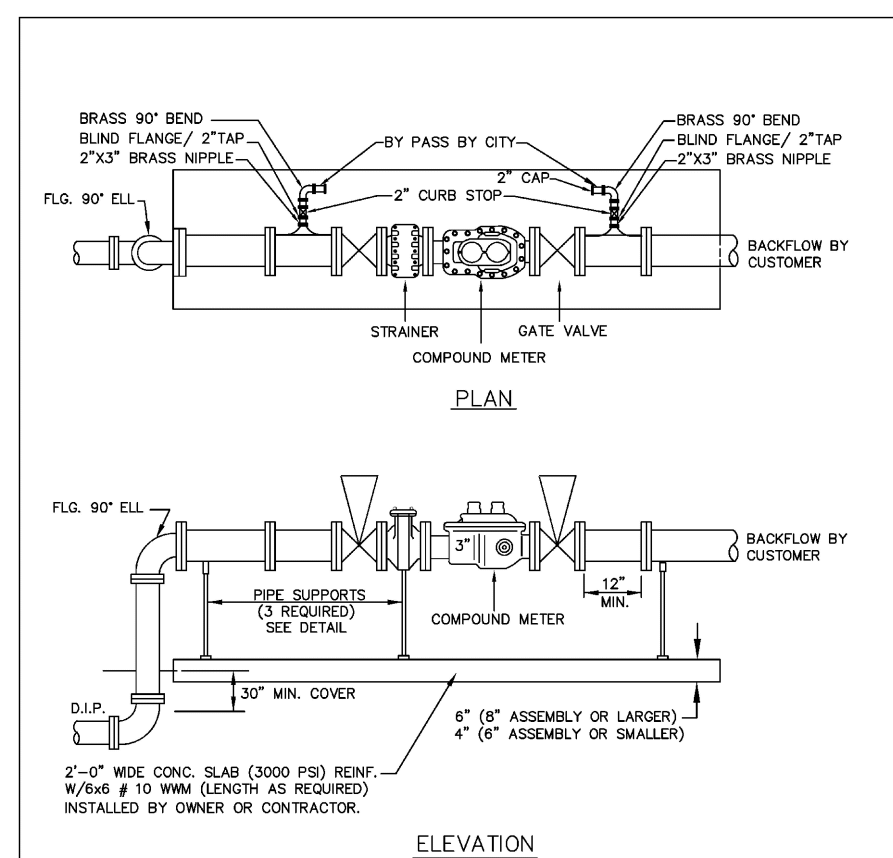
NOTE: PLEASE NOTE THAT METERS 3-INCHES AND LARGER SHALL BE INSTALLED AS ABOVE-GROUND METERS. LARGE METERS ARE SUBJECT TO A 4 TO 8 MONTH LEAD TIME AFTER FULL PAYMENT IS RECEIVED. PLEASE CONTACT CUSTOMER SERVICE AT 954-786-4637 TO ARRANGE INSTALLATION. LARGE METERS MUST BE AT MINIMUM ORDERED PRIOR TO THE INITIAL INSPECTION.

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	METER INSTALL DIMENSION LIST
BY DATE	CITY OF POMPAÑO BEACH	
T.W. 02-2008		DATE: JAN. 2022
S.S. 11-2012		DWG. NO. 106-4
S.S. 08-2020		SCALE: N.T.S.



TYPICAL 1 1/2" AND 2" WATER SERVICE

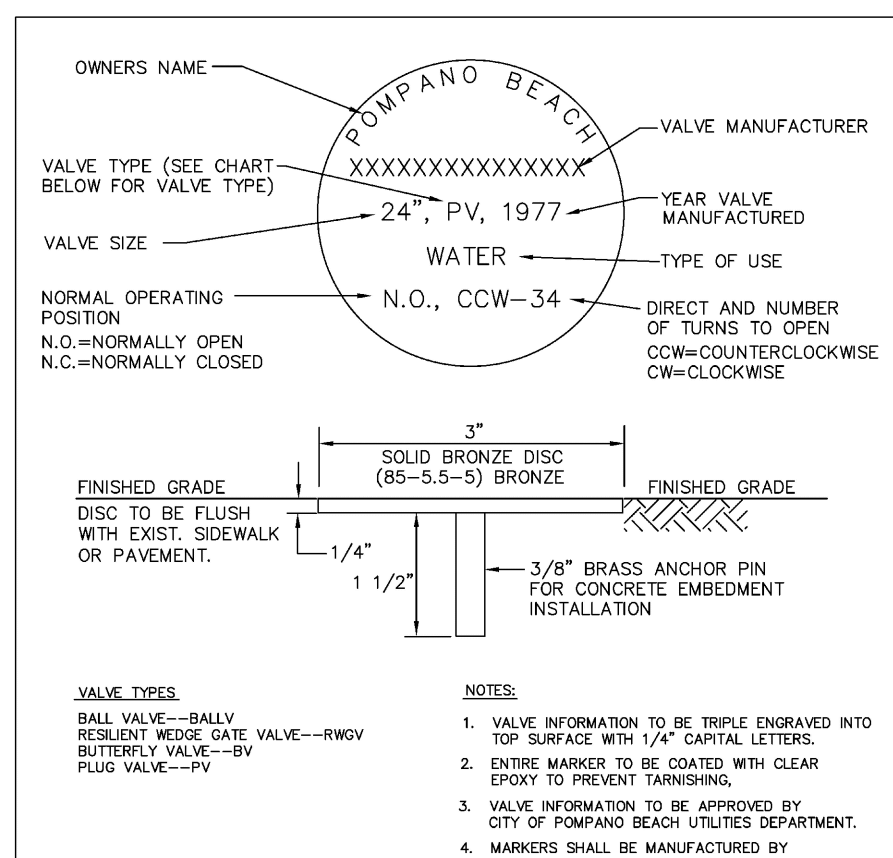
ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	TYPICAL 2" WATER SERVICE
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 05-2011		DATE: APRIL 2022
S.S. 09-2019		DWG. NO. 107-2
S.S. 11-2012		SCALE: N.T.S.
A.S. 08-2021		



DOMESTIC SERVICE ONLY

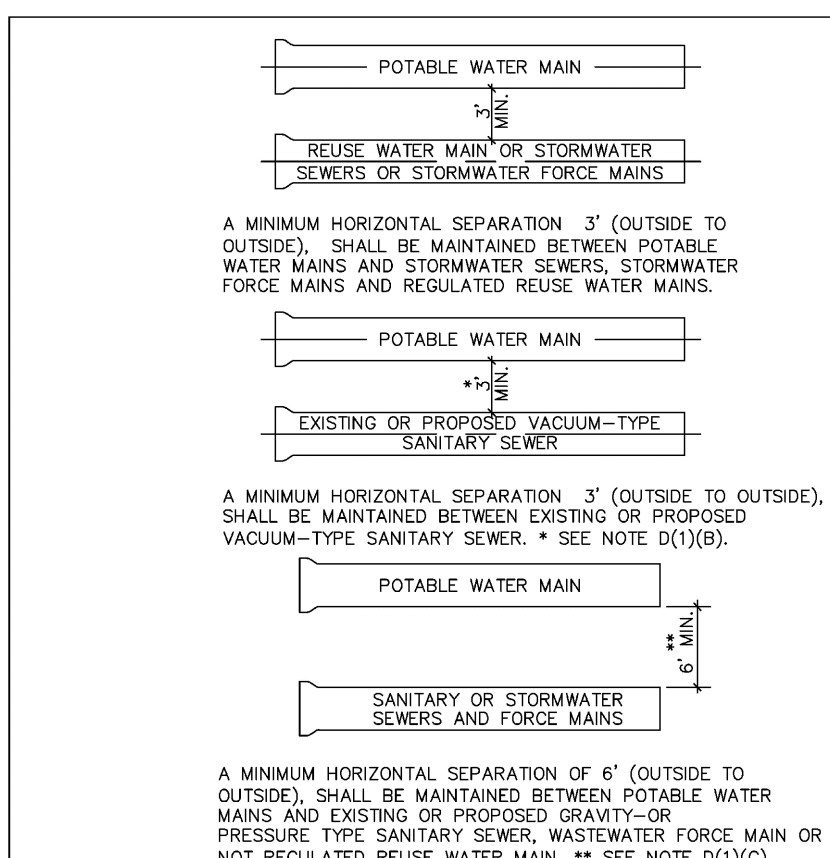
PLEASE SEE METER INSTALL DIMENSION LIST ON STANDARD NO. 106-4

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	DOMESTIC SERVICE ONLY
BY DATE	CITY OF POMPAÑO BEACH	
T.W. 04-08		DATE: APRIL 2022
S.S. 01-2013		DWG. NO. 112-1
S.S. 11-2012		SCALE: N.T.S.



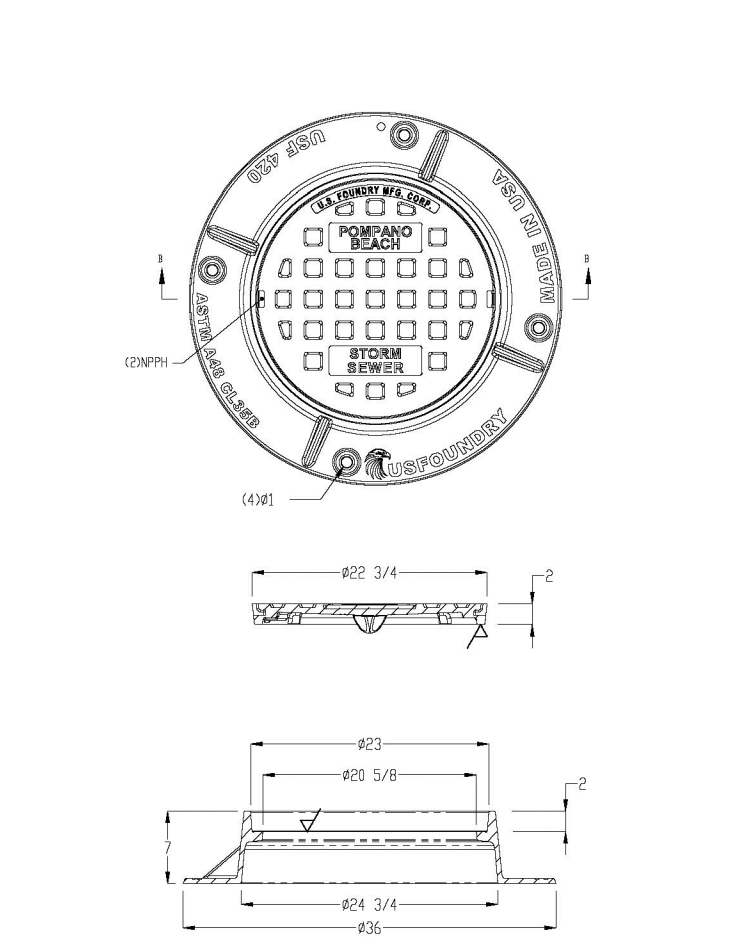
UNDERGROUND VALVE IDENTIFICATION MARKER

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	UNDERGROUND VALVE IDENTIFICATION MARKER
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 04-2020		DATE: FEB. 2022
T.W. 01-2007		DWG. NO. 115-1
S.S. 08-2009		SCALE: N.T.S.
S.S. 1-24-12		



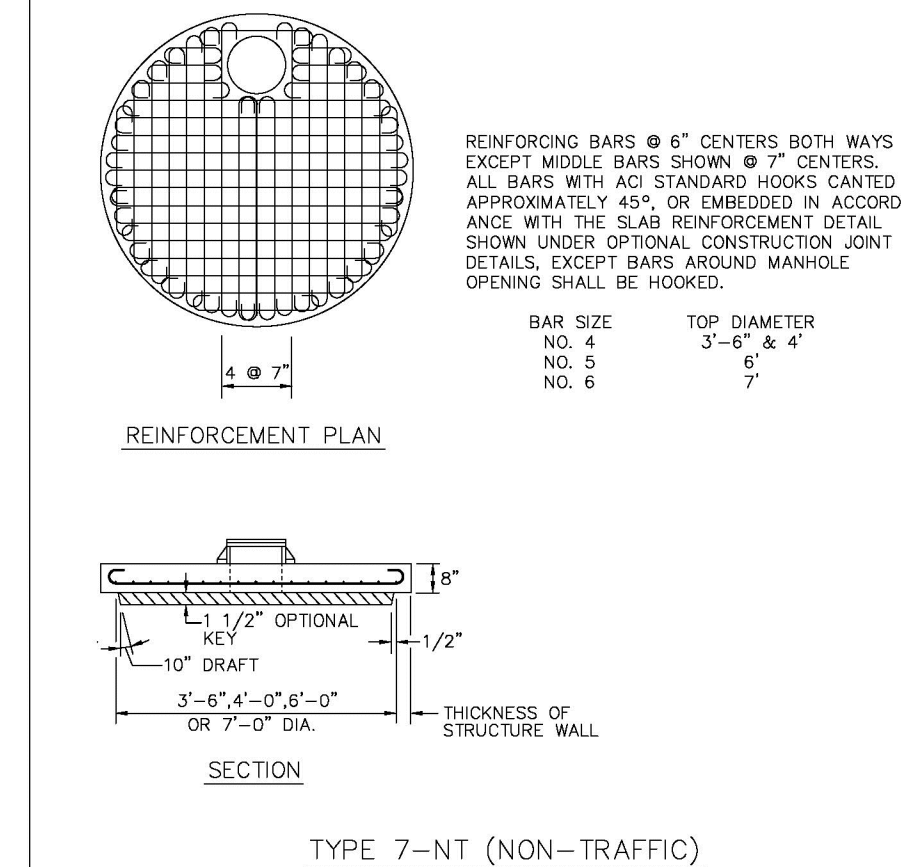
MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	MIN. HORIZONTAL SEPARATION FOR POTABLE WATER
BY DATE	CITY OF POMPAÑO BEACH	
S.S. 07/12		DATE: JAN. 2022
	SCALE: N.T.S.	DWG. NO. 121-1



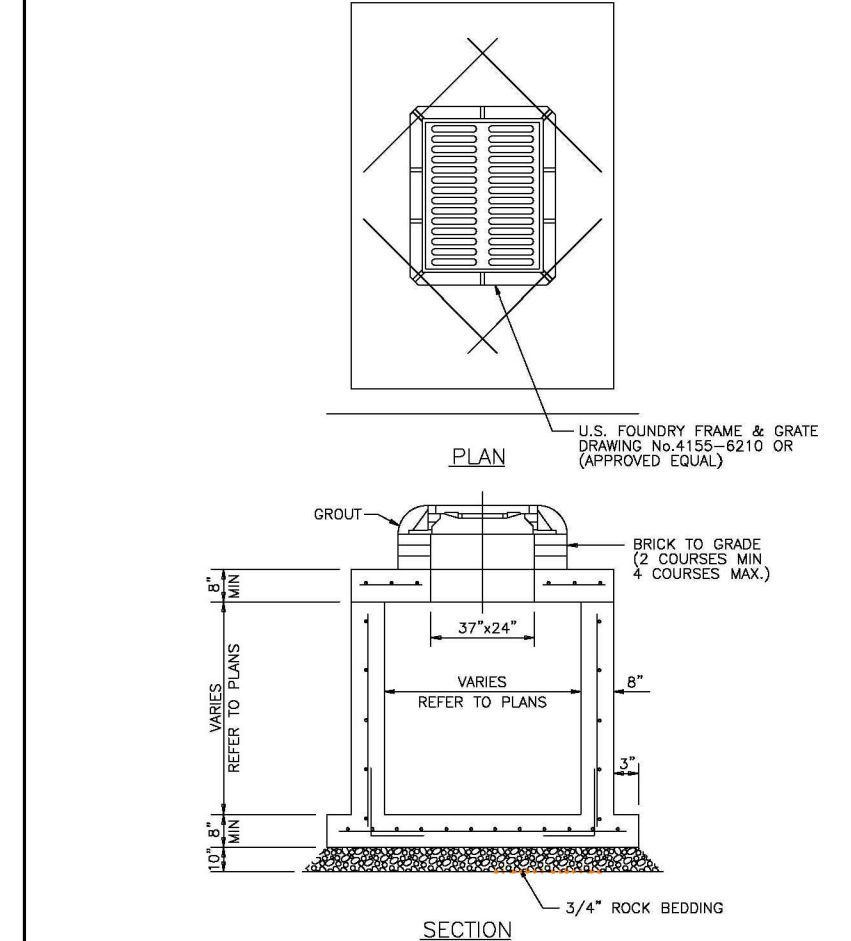
STRUCTURE TOP FOR MANHOLE AND JUNCTION BOX

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	COVER FOR MANHOLES AND INLETS
BY DATE	CITY OF POMPAÑO BEACH	
A.S. 12/22		DATE: DEC 2022
	SCALE: N.T.S.	DWG. NO. 409-1



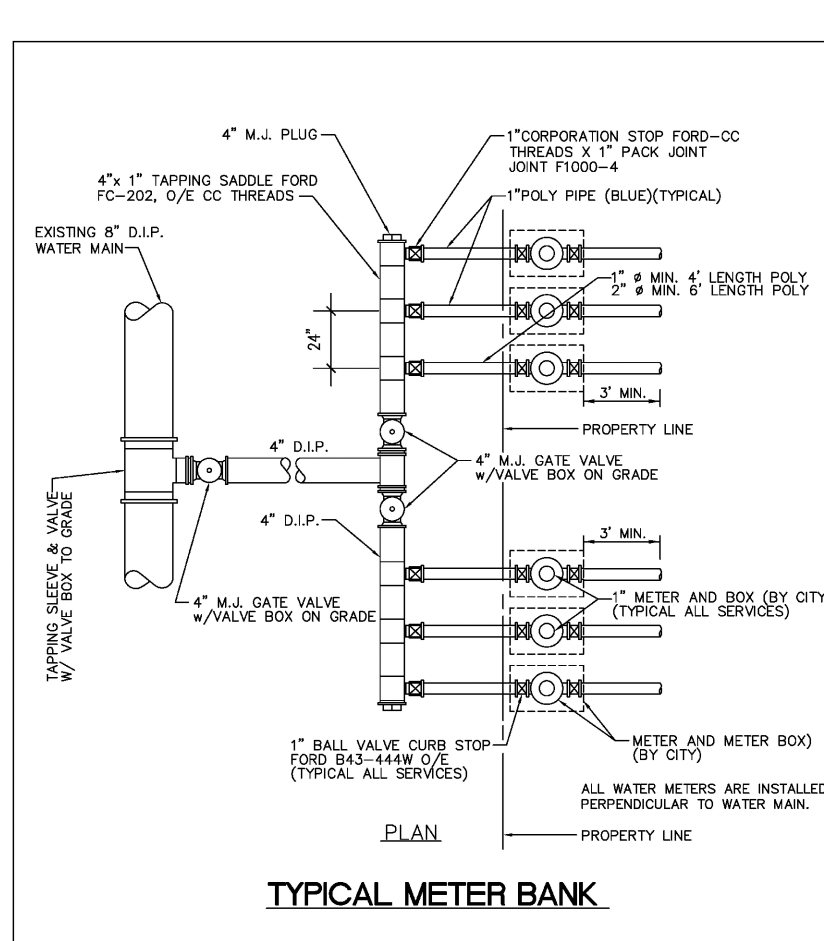
REINFORCEMENT PLAN

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	STRUCTURE TOP (TYPE 7-NT)
BY DATE	CITY OF POMPAÑO BEACH	
	SCALE: N.T.S.	DATE: JUNE 2022
		DWG. NO. 408-1



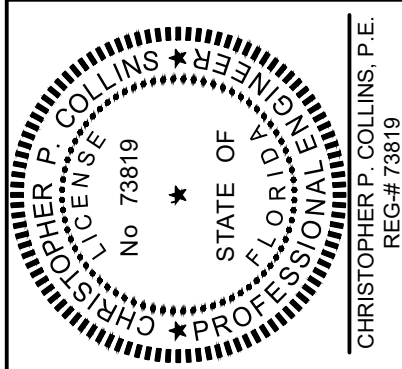
PRECAST DRAINAGE STRUCTURE

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	PRECAST DRAINAGE STRUCTURE
BY DATE	CITY OF POMPAÑO BEACH	
A.S. 04-24		DATE: APRIL 2024
	SCALE: N.T.S.	DWG. NO. 400-1A



TYPICAL METER BANK

ENGINEERING STANDARDS 2025		
REVISIONS	ENGINEERING DIVISION	TYPICAL METER BANK
BY DATE	CITY OF POMPAÑO BEACH	
T.W. 03-09		DATE: MAY 2022
S.S. 08-2011		DWG. NO. 113-1
S.S. 11-2012		SCALE: N.T.S.



This item has been digitally signed and sealed by Christopher P. Collins, P.E. on the date adjacent to the seal.

Signature must be verified on any electronics copies.

Revision Date

Comment

Revision Date

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Revision Date

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Revision Date

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Designed by: C.P.C.

Drawn by: A.D.

Checked by: C.P.C.

Approved by: C.P.C.

Scale: N.T.S.

Date: 6/09/2026

Job No.: C015

Plans for

POMPAÑO CITI
CENTRE
1300-1460 N.E. 23RD STREET
POMPAÑO BEACH, FL

UTILITY
DETAILS

Sheet No.

C-7.1