DRC
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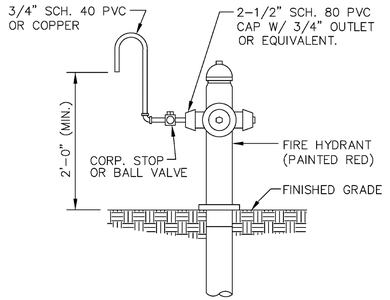
12/17/2025



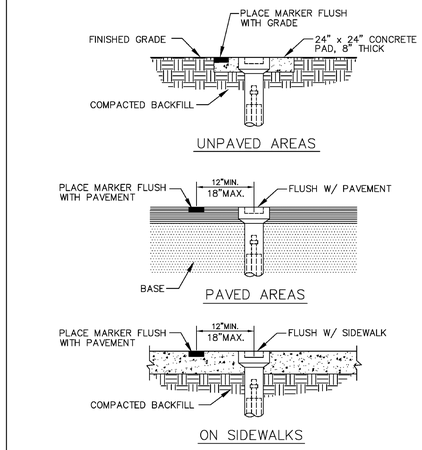
SAMPLE POINT (HYDRANT)

ALL POMPANO BEACH HYDRANTS SHALL BE PAINTED RED.

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

ENGINEERING STANDARDS 2025

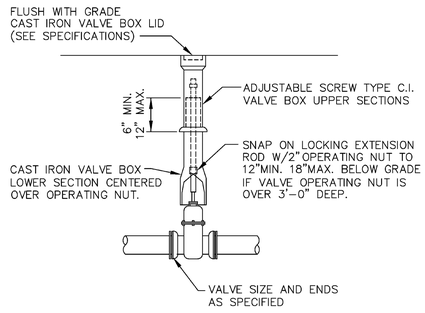
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SAMPLE POINT (HYDRANT)
S.S.	04-2005		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 101-1



VALVE BOX SETTINGS

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	VALVE BOX SETTINGS
S.S.	04-2005		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 102-1



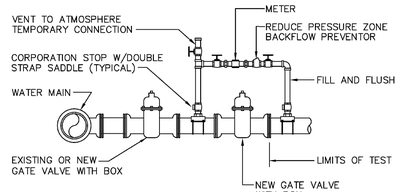
GATE OR PLUG VALVE SETTING

USE MEGALUGS AT ALL PIPE JOINTS

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

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	GATE OR PLUG VALVE SETTINGS
S.S.	04-2005		DATE: MAY 2022
T.W.	11-2007	SCALE: N.T.S.	DWG. NO. 103-1



METHOD "B"

NOTES:

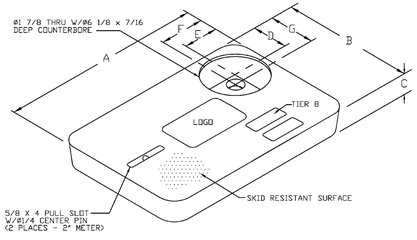
1. WATER MAIN TO BE PRESSURE TESTED AND DISINFECTED ACCORDING TO BROWARD COUNTY PUBLIC HEALTH UNIT REGULATIONS, AWWA, AND MUNICIPAL SPECIFICATIONS IN EFFECT.
2. BACTERIOLOGICAL TESTS ARE TO BE PERFORMED BY THE CONTRACTOR AND AN APPROVED TESTING LABORATORY.
3. REMOVE TEMPORARY CONNECTION AT SADDLE ON NEW MAINS AFTER FILLING AND FLUSHING HAS BEEN COMPLETED AND REPLACE WITH BRASS PLUG
4. PROVIDE ALL NECESSARY THRUST BLOCKS OR OTHER RESTRAINTS.
5. FILLING AND FLUSHING LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR, ENGINEER, AND CITY.
6. VENT TO ATMOSPHERE SHALL REMAIN OPEN DURING ALL PHASES OF PRESSURE TESTING.
7. AFTER COMPLETION FILL AND FLUSH CONNECTION
8. USE MEGALUGS AT ALL PIPE JOINTS

FILLING AND FLUSHING CONNECTION

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

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	FILLING / FLUSHING CONNECTION
S.S.	04-2005		DATE: MAY 2022
T.W.	11-2007	SCALE: N.T.S.	DWG. NO. 104-1
S.S.	01-2012		



METER BOX COVER DIMENSIONS (IN)							
METER SIZE	A	B	C	D	E	F	G
1"	18 1/8"	11 1/4"	1 3/4"	3 3/4"	4"	4 9/16"	4 5/16"
1 1/2"	23 1/4"	13 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"

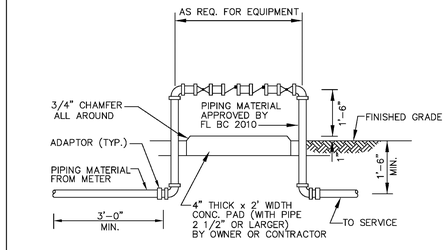
NOTES

1. CUSTOMER IS CITY OF POMPANO BEACH FLORIDA. LOGO TO BE SPECIFIED: CITY OF POMPANO BEACH POTABLE WATER
2. FITS NEPTUNE R450 ANTENNA
3. THIS COVER IS RATED FOR A STATIC DESIGN LOAD OF 8,000 LBS. (35,548 N) OVER A 10 (254) X 10 (254) AREA AND MUST PASS A MINIMUM STATIC TEST LOAD OF 12,000 LBS (53,376 N).
4. METER BOX COVER SHOULD BE RATED FOR TRAFFIC CONDITION AS DETERMINED BE ENGINEER OF RECORD

POTABLE WATER METER BOX COVER

ENGINEERING STANDARDS 2025

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

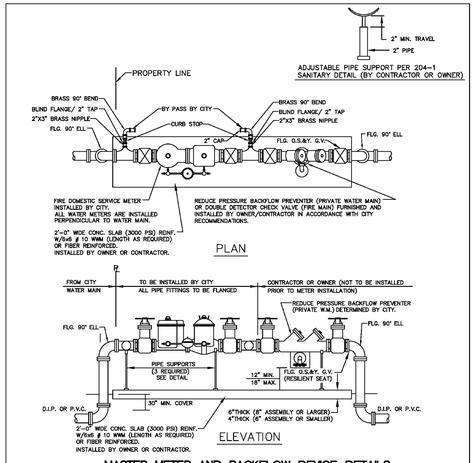


BACKFLOW PREVENTER

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

ENGINEERING STANDARDS 2025

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



MASTER METER AND BACKFLOW DEVICE DETAILS FIRE AND DOMESTIC COMBINED SOURCE

NOTES

1. THE BACKFLOW PREVENTOR FOR THE BY-PASS SHALL BE DDCV OR RPZ.
2. PLEASE NOTE THAT WATER METERS 3" AND LARGER ARE SUBJECT TO AN APPROXIMATE ORDER LEAD TIME OF 60 TO 75 DAYS AFTER FULL PAYMENT. PLEASE CONTACT CUSTOMER SERVICE AT 954-786-4637 TO ARRANGE FOR METER PROCUREMENT AND INSTALLATION.
3. USE MEGALUGS AT ALL PIPE JOINTS
4. PLEASE SEE METER INSTALL DIMENSION LIST ON STANDARD NO. 106-4

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	MASTER METER AND BACKFLOW DEVICE
S.S.	05-2011		DATE: MAY 2022
S.S.	11-2012	SCALE: N.T.S.	DWG. NO. 106-2
S.S.	12-2013		
S.S.	11-2016		

FIRE METERS - OS & Y VALVES, GASKETS & METER						
(NEPTUNE MACH 10 Ultrasonic Meter)						
			METER w/	TOTAL		
SIZE	VALVES (2)	GASKETS (4)	Strainer	LENGTH		
3" w/ 4" X 3" Reducer **	16"	1/2"	30" **	46 1/2"		
4"	18"	1/2"	27 1/2"	46"		
6"	21"	1/2"	33"	54 1/2"		
8"	23"	1/2"	30"	53 1/2"		
10"	26"	1/2"	41"	67 1/2"		
FIRE &/or Domestic Water SERVICE METERS - TEES, OS & Y VALVES, GASKETS & METERS						
(NEPTUNE MACH 10 Ultrasonic Meter)				Meter w/	TOTAL	
SIZE	TEES (2)	VALVES (2)	GASKETS (6)	Strainer	LENGTH	
3" w/ 4" X 3" Reducer **	3" X 3" - 22"	16"	3/4"	30" **	68 3/4"	
4"	4" X 3" - 26"	18"	3/4"	27 1/2"	72 1/4"	
6"	6" X 4" - 32"	21"	3/4"	33"	86 3/4"	
8"	8" X 4" - 36"	23"	3/4"	30"	89 3/4"	
10"	10" X 6" - 44"	26"	3/4"	41"	111 3/4"	

2" MIN. TRAVEL

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

NOTE:
PLEASE NOTE THAT WATER METERS 3" AND LARGER ARE SUBJECT TO AN APPROXIMATE ORDER LEAD TIME OF 60 TO 75 BUSINESS DAYS AFTER FULL PAYMENT. PLEASE CONTACT CUSTOMER SERVICE AT 954-786-4637 TO ARRANGE FOR METER PROCUREMENT AND INSTALLATION. LARGE METERS MUST BE AT MINIMUM ORDERED PRIOR TO INITIAL INSPECTIONS.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	METER INSTALL DIMENSION LIST
T.W.	02-2008		DATE: JAN. 2022
S.S.	11-2016	SCALE: N.T.S.	DWG. NO. 106-4
A.S.	01-2022		

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Florida Landscape Architecture Business License: LC26000457

SEAL

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

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

MICHAEL PINZON LICENSE No. 95668 STATE OF FLORIDA PROFESSIONAL ENGINEER

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MICHAEL PINZON, P.E.
FLORIDA REG. NO. 95668
(FOR THE FIRM)

POMPANO BEACH FIRE / EOC FACILITY

2121 NW THIRD AVENUE
POMPANO BEACH, FL 33060

CLIENT: CITY OF POMPANO BEACH

REV	DATE	DESCRIPTION

DESIGN DESIGN
DELIVERABLE: DEVELOPMENT
ISSUE DATE: 11/12/2025

PROJECT NUMBER: 2024-0559.0000
KEITH: 10647.01
DRAWN BY: CM
CHECKED BY: MP

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SHEET TITLE:

WATER AND SEWER DETAILS

SHEET NUMBER:

CU-501

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