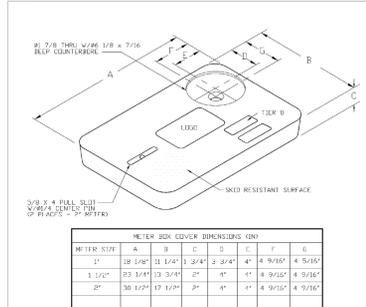


### GATE OR PLUG VALVE SETTING

USE MICALUGS AT ALL PIPE JOINTS

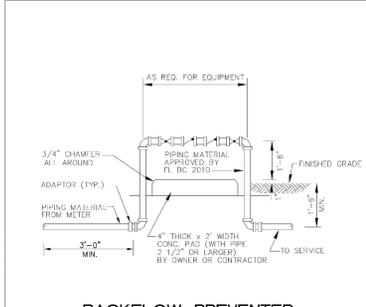
ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
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	S.S.	05-2023	
	S.S.	09-2023	
	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



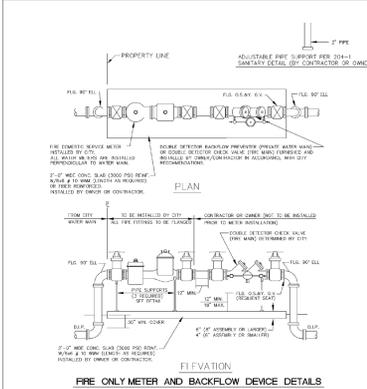
### POTABLE WATER METER BOX COVER

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
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	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



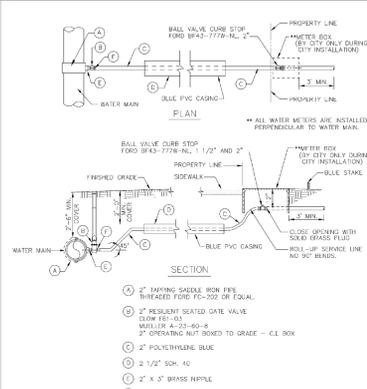
### BACKFLOW PREVENTER

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
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	S.S.	09-2023	
	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



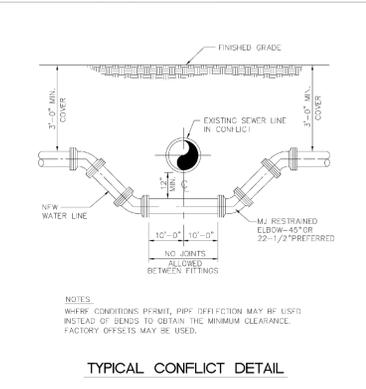
### FIRE ONLY METER AND BACKFLOW DEVICE DETAILS

ENGINEERING STANDARDS 2022			
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	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



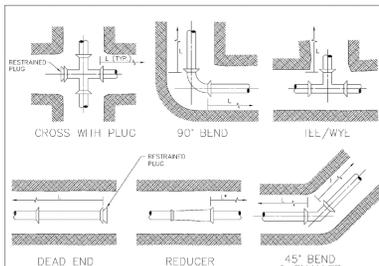
### TYPICAL 1 1/2" AND 2" WATER SERVICE

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
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	S.S.	09-2023	
	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



### TYPICAL CONFLICT DETAIL

ENGINEERING STANDARDS 2022			
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	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
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	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



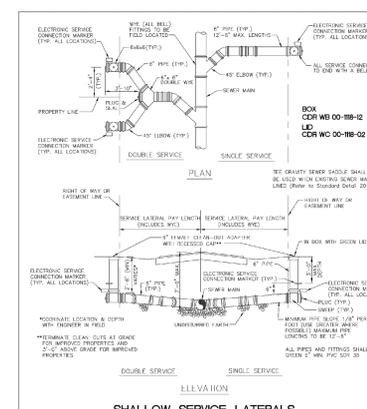
PVC HORIZONTAL BENDS AND VERTICAL UP BENDS			
RESTRAINED JOINT LENGTH L FROM FITTING - EACH WAY	BENDS	RESTRAINED JOINT LENGTH L FROM FITTING - EACH WAY	RESTRAINED JOINT LENGTH L FROM FITTING - EACH WAY
90°	45°	22.5°	11.25°
6	26	11	6
12	53	14	7
18	80	19	10
24	107	24	13

PVC VERTICAL DOWN BEND			
RESTRAINED JOINT LENGTH L FROM FITTING - EACH WAY	BENDS	RESTRAINED JOINT LENGTH L FROM FITTING - EACH WAY	RESTRAINED JOINT LENGTH L FROM FITTING - EACH WAY
90°	45°	22.5°	11.25°
6	26	11	6
12	53	14	7
18	80	19	10
24	107	24	13



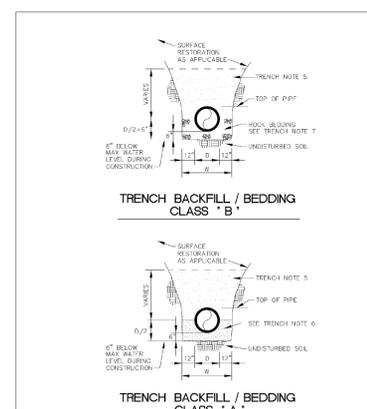
RESTRAINED JOINT INFORMATION			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
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	S.S.	09-2023	
	S.S.	11-2023	
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RESTRAINED JOINT INFORMATION			
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	S.S.	09-2024	
	S.S.	10-2024	



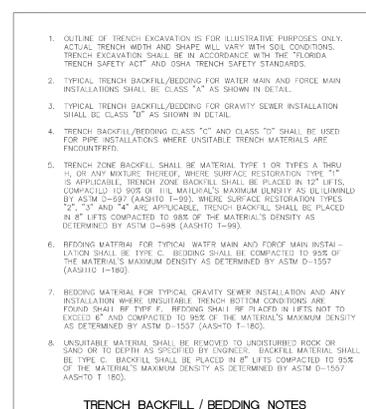
### SHALLOW SERVICE LATERALS

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
	S.S.	05-2023	
	S.S.	09-2023	
	S.S.	11-2023	
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	S.S.	10-2024	



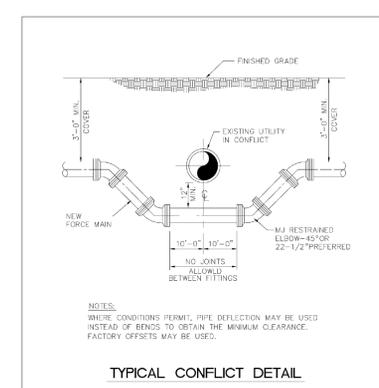
### TRENCH BACKFILL / BEDDING CLASS 'B'

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
	S.S.	05-2023	
	S.S.	09-2023	
	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



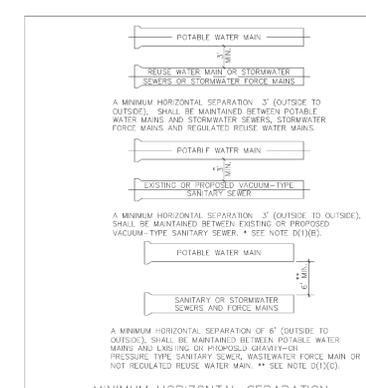
### TRENCH BACKFILL / BEDDING CLASS 'A'

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
	S.S.	04-2022	ENGINEERING DIVISION CITY OF POMPANO BEACH
	T.W.	11-2022	
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	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



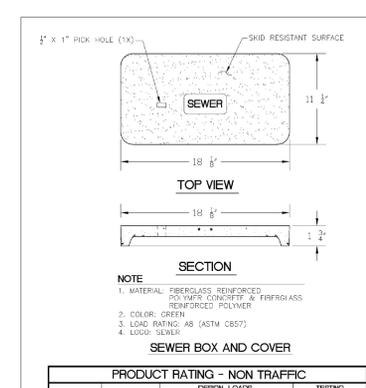
### TYPICAL CONFLICT DETAIL

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	S.S.	09-2024	
	S.S.	10-2024	



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

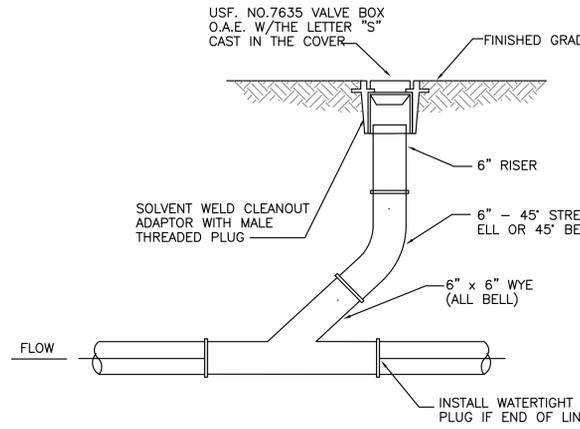
ENGINEERING STANDARDS 2022			
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	S.S.	09-2024	
	S.S.	10-2024	



### SEWER BOX AND COVER

PRODUCT RATING - NON TRAFFIC			
LOAD ORIGINATOR	DESCRIPTION	LINE LOAD (LB/INCH) (L)	LINE IMPACT LOAD (LBS) (M)
AASHTO HD	LIGHT TRUCK TRAFFIC	8,000	10,400
			N/A
			22,568 (M)
			2,82

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	S.S.	09-2024	
	S.S.	10-2024	



### CLEAN OUT DETAIL

ENGINEERING STANDARDS 2022			
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	S.S.	11-2023	
	S.S.	02-2024	
	S.S.	09-2024	
	S.S.	10-2024	



**Susan C. Holland**  
Digitally signed by Susan C. Holland  
Date: 2024.09.11 15:39:58 -04'00'

This item has been digitally signed & sealed by Susan C. Holland, P.E. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FINAL APPROVAL		DRAWN BY: HS		SCALE: N.T.S.	
DESIGNED BY: SCH		DATE: 02/29/24		FIELD BOOK: N/A	
CHECKED BY: SCH		DESIGNED BY: SCH		DATE: 02/29/24	
HOLLAND ENGINEERING SOLUTIONS		301 SW 7th Street		Fort Lauderdale, Florida, 33315	
Phone: 954.387.0371		Certificate of Authorization 7925		SUSAN C. HOLLAND	
STATE OF FLORIDA PROFESSIONAL ENGINEER		LICENSE NO. 4181		NO. OF SHEETS: 7	
CONDO HOTEL		872 E. MCNAB ROAD		POMPANO BEACH, FLORIDA 33060	
SHEET NO.: C-7		CAD FILE NO. 23-16		SCALE: N.T.S.	