

DIP VERTICAL DOWN BEND					
PIPE SIZE (IN.)		RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING - EACH WAY)			
		BENDS			
		90°	45°	22.5°	11.25°
12"		144	60	29	14
24"		258	107	51	25

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	RESTRAINED JOINT INFORMATION	
BY	DATE			
				DATE: MAY 2022
				DWG. NO.
			SCALE: N.T.S.	118-2

NOTES:

1. THE DATA IN THE ABOVE TABLE ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:
SOIL - SAND TEST PRESSURE - 150 PS/200 PSI DUCTILE IRON PIPE - 12" VERTICAL OFFSET - 3"
TRENCH TYPE - 3 SAFETY FACTOR - 1.5 MINIMUM PIPE LENGTH ALONG TEE RUN - 5'
2. THE RESTRAINED PIPE LENGTHS APPLY TO DUCTILE IRON AND PVC PIPE.
3. ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.
4. RESTRAINED PIPE LENGTHS APPLY TO PIPE ON BOTH SIDES OF VALVES AND FITTINGS.

REVISED		ENGINEERING DIVISION CITY OF POMPANO BEACH		RESTRAINED JOINT INFORMATION	
BY	DATE				
		SCALE: N.T.S.		DATE: MAY 2022 DWG. NO. 118-3	

1. ALL NONMETALLIC PIPE SHALL BE INSTALLED WITH 12 THHN SOLID COPPER TRACING WIRE.
2. THE MARKER BALLS MUST BE INSTALLED DIRECTLY ABOVE THE PIPE.
3. MARKER BALLS SHALL BE INSTALLED AT 40' O.C.
4. BALL COLOR CODING:
POTABLE WATER SYSTEM: BLUE PER 62-555.320(21)(b)(3) F.A.C.

REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	UTILITY PIPE AND MARKER BALLS LOCATION	
BY	DATE			
S.S.	01/12			
S.S.	06/16		DATE: JAN. 2022 DWG. NO.	
			120-1	
		SCALE: N.T.S.		

A MINIMUM HORIZONTAL SEPARATION OF 6' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND EXISTING OR PROPOSED GRAVITY-OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN OR NOT REGULATED REUSE WATER MAIN. ** SEE NOTE D(1)(C).

REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	MIN. HORIZONTAL SEPARATION FOR POTABLE WATER	
BY	DATE			
S.S.	01/12			DATE: JAN. 2022
				DWG. NO.
				121-1
		SCALE: N.T.S.		

REVISED		ENGINEERING DIVISION CITY OF POMPANO BEACH	UTILITY CROSSINGS	
BY	DATE			
S.S.	01/12			DATE: JAN. 2022 DWG. NO. 122-1
			SCALE: N.T.S.	

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	POTABLE WATER SUPPLY NOTES	
BY	DATE			
S.S.	01/12			
		SCALE: N.T.S.	DATE: JAN. 2022 DWG. NO. 122-2	

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	POTABLE WATER SUPPLY NOTES	
BY	DATE			DATE: JAN. 2022 DWG. NO. 122-3
S.S.	01/12			
SCALE: N.T.S.				

PROJECT NUMBER	22036	SHEET WD3 OF 4
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STANDARD WATER DETAILS

LB-000299

DATE:	
	SHEET

PROJECT NUMBER	22036	SHEET WD3 OF 4
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