


J:\City STANDARDS\2019 Standards Details\Water 1-2.dwg, 11/2/2018 2:40:09 PM

FIRE METERS - OS & Y VALVES, GASKETS, SPOOL & METER						
(NEPTUNE HP FIRE SERVICE TURBINE METER)						
SIZE	VALVES (2)	GASKETS (4)	METER	TOTAL LENGTH		
3"	16"	1/2"	26 1/8"	42 5/8"		
4"	18"	1/2"	35"	53 1/2"		
6"	21"	1/2"	44 7/8"	66 3/8"		
8"	23"	1/2"	51 5/16"	74 13/16"		
10"	26"	1/2"	56"	82 1/2"		
FIRE SERVICE METERS - TEES, OS & Y VALVES, GASKETS & METERS						
(HP PROTECTUS III FIRE SERVICE METER)						
SIZE	TEES (2)	VALVES (2)	GASKETS (6)	METER	TOTAL LENGTH	
4" X 1"	4" X 3" - 26"	18"	3/4"	33"	77 3/4"	
6" X 1 1/2"	6" X 4" - 32"	21"	3/4"	45"	98 3/4"	
8" X 2"	8" X 4" - 36"	23"	3/4"	53"	112 3/4"	
10" X 2"	10" X 6" - 44"	26"	3/4"	68"	138 3/4"	
COMPOUND METERS - STRAINER, TEE, OS & Y VALVES, GASKETS & METERS						
(NEPTUNE TRU/FLOW COMPOUND METER)						
SIZE	STRAINER	TEES (2)	VALVES (2)	GASKETS	METER	TOTAL LENGTH
3"	6"	3" X 3" - 22"	16"	3/4"	17"	61 3/4"
4"	7 1/2"	4" X 4" - 26"	18"	3/4"	20"	72 1/4"
6"	9"	6" X 4" - 32"	21"	3/4"	24"	86 1/4"
6" X 8"	10"	8" X 4" - 36"	23"	3/4"	55 3/8"	125 1/8"
*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 DAYS AFTER FULL PAYMENT. PLEASE CONTACT CUSTOMER SERVICE AT 954-786-4637 TO ARRANGE FOR METER PROCUREMENT AND INSTALLATION.				

ENGINEERING STANDARDS 2019					
REVISIONS		ENGINEERING DIVISION		METER INSTALL DIMENSION LIST	
BY	DATE	CITY OF POMPAÑO BEACH		DATE: FEB. 2008	
T.W.	02-2008			DWG. NO. 106-4	
S.S.	12-2013				
S.S.	11-2016	SCALE: N.T.S.			

J:\City STANDARDS\2019 Standards Details\Water 1-2.dwg, 11/2/2018 2:40:34 PM

ENGINEERING STANDARDS 2019					
REVISIONS		ENGINEERING DIVISION		TYPICAL 1' WATER SERVICE	
BY	DATE	CITY OF POMPAÑO BEACH		DATE: JUNE 2004	
T.W.	04-2005			DWG. NO. 107-1	
T.W.	11-2007				
S.S.	05-2012	SCALE: N.T.S.			
S.S.	11-2015				

J:\City STANDARDS\2019 Standards Details\Water 1-2.dwg, 11/30/2018 1:42:05 PM

ENGINEERING STANDARDS 2019					
REVISIONS		ENGINEERING DIVISION		TYPICAL 2' WATER SERVICE	
BY	DATE	CITY OF POMPAÑO BEACH		DATE: APRIL 2004	
T.W.	08-2009			DWG. NO. 107-2	
S.S.	05-2011				
S.S.	05-2012	SCALE: N.T.S.			
S.S.	11-2018				

J:\City STANDARDS\2019 Standards Details\Water 1-2.dwg, 11/2/2018 2:41:46 PM

Diagram illustrating a typical conflict detail between a new water line and an existing sewer line. The diagram shows the water line crossing over the sewer line with a minimum clearance of 12" MIN. The sewer line is labeled "EXISTING SEWER LINE IN CONFLICT". The water line is labeled "NEW WATER LINE". The diagram shows the water line with 45-degree elbows and a 22 1/2" preferred offset. The sewer line is shown with a 3'-0" MIN. COVER. The water line is shown with a 3'-0" MIN. COVER. The diagram also shows the finished grade and the allowed distance between fittings (10'-0" ALLOWED BETWEEN FITTINGS).

NOTES.

WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED
INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE.
FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

USE MEGALUGS AT ALL PIPE JOINTS

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

ENGINEERING STANDARDS 2019

ENGINEERING DIVISION
CITY OF POMPAÑO BEACH

TYPICAL CONFLICT (WATER)

DATE: JUNE 1996
DWG. NO.

108-1

SCALE: N.T.S.

REVISIONS

BY	DATE
S.S.	04-2005
S.S.	07-2012

J:\City STANDARDS\2019 Standards Details\Water 1-2.dwg, 11/2/2018 2:42:06 PM

ENGINEERING STANDARDS 2019					
REVISIONS		ENGINEERING DIVISION		FIRE HYDRANT ASSEMBLY	
BY	DATE	CITY OF POMPAÑO BEACH		DATE: JUNE 1996	
T.W.	11-2007			DWG. NO. 109-1	
T.W.	10-2010				
S.S.	2-2012	SCALE: N.T.S.			
S.S.	11-2012				

J:\City STANDARDS\2019 Standards Details\Water 1-3.dwg, 11/2/2018 2:45:59 PM

**RESTRAINED VALVE AT TEE
(BRANCH)**

**RESTRAINED VALVE AT TEE
(IN LINE)**

USE MEGALUGS AT ALL PIPE JOINTS

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

ENGINEERING STANDARDS 2019

REVISIONS

BY	DATE
S.S.	JUNE 2005

ENGINEERING DIVISION
CITY OF POMPAÑO BEACH

SCALE: N.T.S.

RESTRAINED VALVE AT TEE

DATE: JUNE 1996
DWG. NO.

111-1