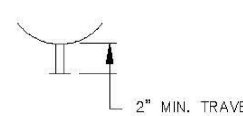
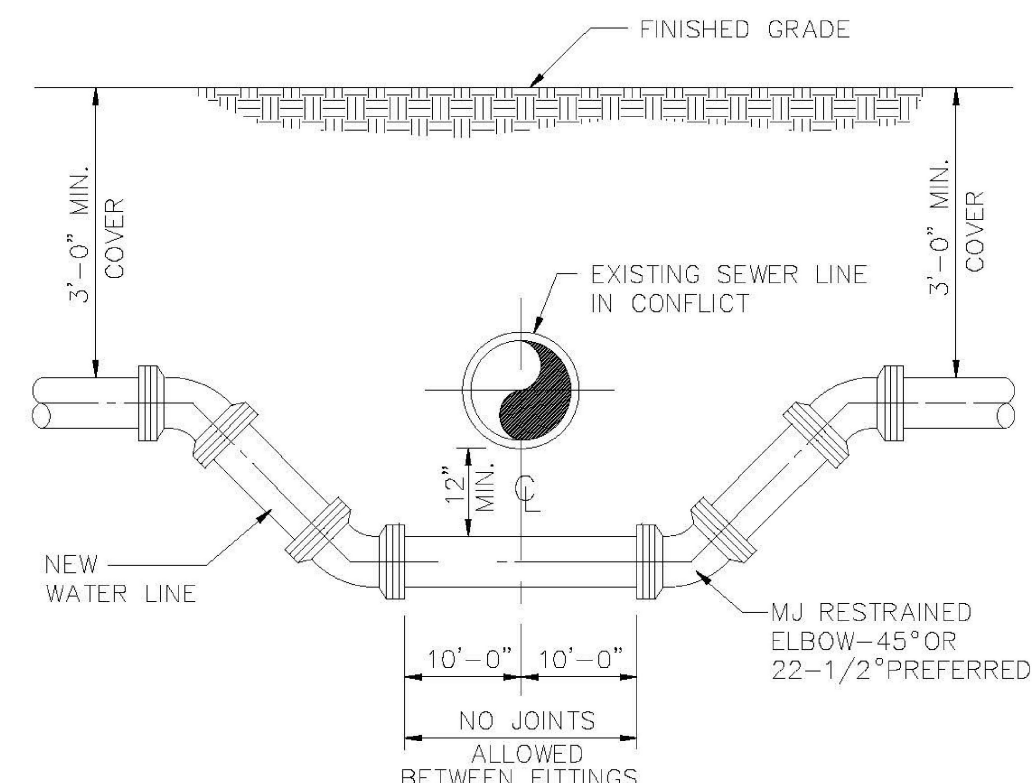


\\ctarlin02\Eng\Projects\2024\24-0055 WSD\dwg [2-9] Feb 28, 2025 3:50pm CEDWARDS

FIRE METERS - OS & Y VALVES, GASKETS & METER					
(NEPTUNE MACH 10 Ultrasonic Meter)					
SIZE	VALVES (2)	GASKETS (4)	METER w/ Strainer	TOTAL LENGTH	
3" w/ 4" X 3" Reducer **	18"	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)					
SIZE	TEES (2)	VALVES (2)	GASKETS (6)	Strainer	TOTAL 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"
*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 2022			
REVISIONS	ENGINEERING DIVISION	METER INSTALL DIMENSION LIST	
BY DATE	CITY OF POMPAÑO BEACH		
T.W. 02-2008			
S.S. 11-2016			
A.S. 01-2022	SCALE: N.T.S.	DATE: JAN. 2022 DWG. NO. 106-4	

				
NOTES WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.				
<u>TYPICAL CONFLICT DETAIL</u>				
USE MEGALUGS AT ALL PIPE JOINTS				
ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.				
ENGINEERING STANDARDS 2022				
REVISIONS		TYPICAL CONFLICT (WATER)		
BY	DATE			
S.S.	04-2005			
S.S.	01-2012			
		DATE: MAY 2022 DWG. NO. 108-1		
SCALE: N.T.S.				

PLAN

18" MIN.
24" MAX.

A

B

C

D

WATER MAIN

BALL VALVE CURB STOP
FORD B43-342W, 3/4"
FORD B43-444W, 1"

PROPERTY LINE

METER BOX
(BY CITY ONLY DURING
CITY INSTALLATION)

3" MIN.

BLUE PVC CASING

SECTION

FINISHED GRADE

COVER

COVER

COVER

2'-6" MIN.

2'-0" MIN.

15"

45°

WATER MAIN

A

B

C

D

PROPERTY LINE

SIDEWALK

METER BOX
(BY CITY ONLY DURING
CITY INSTALLATION)

BLUE STAKE

12"

3" MIN.

CLOSE OPENING WITH
SOLID BRASS FLUG

ROLL-UP SERVICE LINE
NO 90° BENDS.

BLUE PVC CASING

SINGLE SERVICE

DOUBLE SERVICE

(A) 1" TAPPING SADDLE CC THREAD
FORD

(B) 1" CORPORATION STOP
FORD TYPE T1000-4 INL THREADS

(C) 1" POLYETHYLENE SOLID BLUE CTS
SDR 18 (200 PS)

(D) 1 1/2" SCH. 40 FOR 1" SERVICE
2 1/2" SCH. 40 FOR 2" SERVICE
PAINTED BLUE

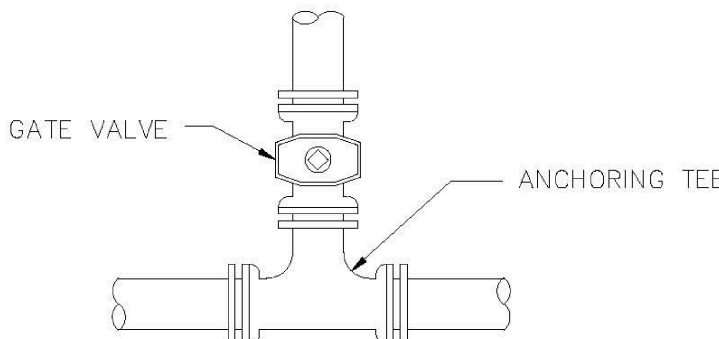
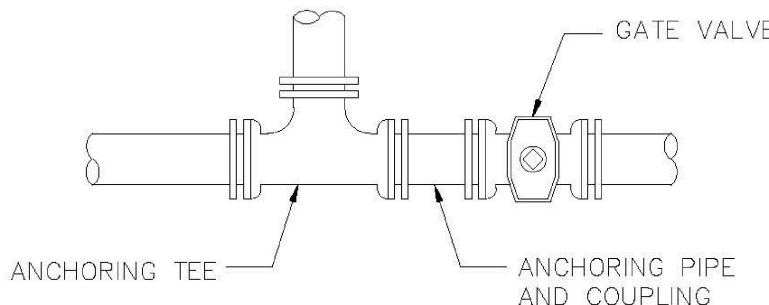
(A) 1" TAPPING SADDLE (2)
FORD FC-202 OR EQUAL

(B) 1" CORPORATION STOP (2)
FORD TYPE T1000

(C) 1" POLYETHYLENE SOLID BLUE C.T.S. (2)

(D) 2 1/2" SCH. 40 FOR 1" SERVICE
6" SCH. 40 FOR 2" SERVICE
PAINTED BLUE

TYPICAL 3/4" AND 1" WATER SERVICE

															
<p>RESTRAINED VALVE AT TEE (BRANCH)</p> <hr/>															
															
<p>RESTRAINED VALVE AT TEE (IN LINE)</p> <hr/>															
USE MEGALUGS AT ALL PIPE JOINTS															
ALL D.I.P. TO BE PAINTED BLUE ON THE TOP HALF OF PIPE.															
<p>ENGINEERING STANDARDS 2022</p>															
<table><tr><td colspan="2">REVISIONS</td></tr><tr><td>BY</td><td>DATE</td></tr><tr><td>S.S.</td><td>JUNE 2005</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	REVISIONS		BY	DATE	S.S.	JUNE 2005					<table><tr><td><p>RESTRAINED VALVE AT TEE</p></td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table>	<p>RESTRAINED VALVE AT TEE</p>			
REVISIONS															
BY	DATE														
S.S.	JUNE 2005														
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<table><tr><td colspan="2">ENGINEERING DIVISION CITY OF POMPAÑO BEACH</td></tr><tr><td colspan="2">SCALE: N.T.S.</td></tr></table>	ENGINEERING DIVISION CITY OF POMPAÑO BEACH		SCALE: N.T.S.		<table><tr><td>DATE: MAY 2022 DWG. NO. 111-1</td></tr></table>	DATE: MAY 2022 DWG. NO. 111-1									
ENGINEERING DIVISION CITY OF POMPAÑO BEACH															
SCALE: N.T.S.															
DATE: MAY 2022 DWG. NO. 111-1															

WATER MAIN

BALL VALVE CURB STOP
FORD BF43-777W-NL, 2"

BLUE PVC CASING

PROPERTY LINE

METER BOX
(BY CITY ONLY DURING
CITY INSTALLATION)

3' MIN

PROPERTY LINE

PLAN

** ALL WATER METERS ARE INSTALLED
PERPENDICULAR TO WATER MAIN.

FINISHED GRADE

WATER MAIN

BALL VALVE CURB STOP
FORD BF43-777W-NL, 1 1/2" AND 2"

PROPERTY LINE

METER BOX
(BY CITY ONLY DURING
CITY INSTALLATION)

BLUE STAKE

BLUE PVC CASING

3' MIN

PROPERTY LINE

SECTION

- (A) 2" TAPPING SADDLE IRON PIPE
THREADED FORD FC-202 OR EQUAL.
- (B) 2" RESILIENT SEATED GATE VALVE
CLOW FB1-O3
MUELLER A-23-60-B
2" OPERATING NUT BOXED TO GRADE - C.I. BOX
- (C) 2" POLYETHYLENE BLUE
- (D) 2 1/2" SCH. 40
- (E) 2" X 3" BRASS NIPPLE
- (F) 2" MP COUPLING C-B4-77 - PACK JOINT - CTS

TYPICAL 1 1/2" AND 2" WATER SERVICE

BALL VALVE CURB STOP
FORD B43-342W, 3/4"

WATER MAIN

PROPERTY LINE

3' MIN.

**METER BOX
(BY CITY ONLY DURING
CITY INSTALLATION)

ALTERNATIVE - 1

** ALL WATER METERS ARE INSTALLED
PERPENDICULAR TO WATER MAIN.

2" WATER SERVICE W / 3 METERS

BALL VALVE CURB STOP
FORD B43-342W, 3/4"

WATER MAIN

PROPERTY LINE

3' MIN.

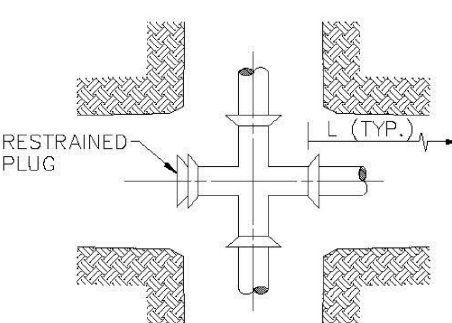
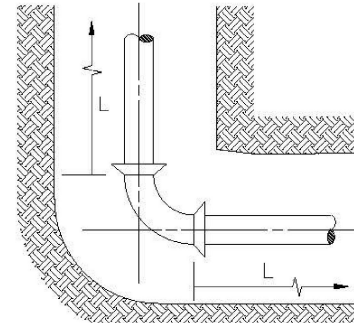
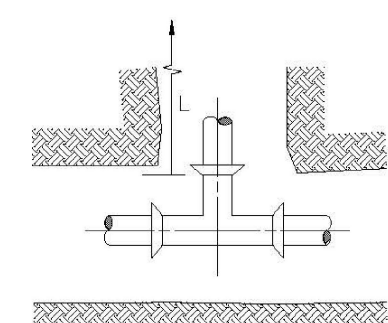
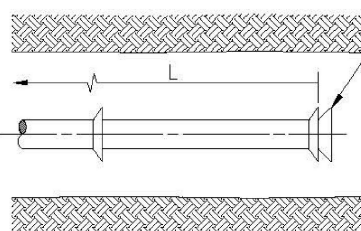
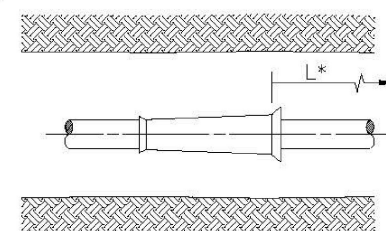
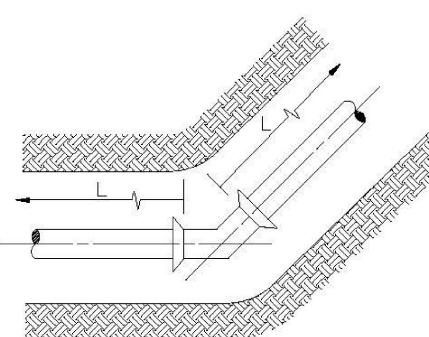
**METER BOX
(BY CITY ONLY DURING
CITY INSTALLATION)

ALTERNATIVE - 2

** ALL WATER METERS ARE INSTALLED
PERPENDICULAR TO WATER MAIN.

2" WATER SERVICE W / 4 METERS

(A) 2" TAPPING SADDLE IRON PIPE THREADED FORD FC-202 OR EQUAL.	(D) 1" POLYETHYLENE SOLID BLUE C.T.S. (3)
(B) 2" RESILIENT SEATED GATE VALVE GLOW F61-03	(E) 2" X 4" BRASS NIPPLE
(C) 2" OPERATING NUT BOXED TO GRADE - C.I. BOX.	(F) 2" MIP COUPLING C-84-77 - PACK JOINT - CTS
	(G) 3 "Y" BRANCHES - Y48-347 FORD
	(H) 4 "Y" BRANCHES - DBY4QQ A.Y. McDONALD
(G) 2" BLUE POLYETHYLENE	

			
CROSS WITH PLUG	90° BEND	TEE/WYE	
			
DEAD END	REDUCER	45° BEND & SMALLER	
<u>GENERAL NOTES:</u>			
* SEE NOTE 2			
<ol style="list-style-type: none">1. CONFIRM THE EXACT LENGTH OF RESTRAINING REQUIRED FOR REDUCERS, PIPE ENCASED IN POLYETHYLENE AND ENCRORACHING RESTRAINED LENGTHS WITH THE DESIGN ENGINEER.2. CONFIRM THE EXACT LENGTH OF RESTRAINING REQUIRED FOR REDUCERS, PIPE ENCASED IN POLYETHYLENE AND ENCRORACHING RESTRAINED LENGTHS WITH THE DESIGN ENGINEER.3. THE CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF THE RESTRAINED JOINTS TO PREVENT MOVEMENT OF THE PIPE & FITTINGS.4. IN THE EVENT OF A CONFLICT BETWEEN RESTRAINED LENGTHS SHOWN ON THE TABLE AND RESTRAINED LENGTHS SHOWN ON THE DRAWINGS, THE LONGEST RESTRAINED LENGTH SHALL BE USED.			
<u>RESTRAINED JOINT INFORMATION</u>			
ENGINEERING STANDARDS 2022			
ENGINEERING DIVISION CITY OF POMPAÑO BEACH		RESTRAINED JOINT INFORMATION	
REVISIONS		DATE: MAY 2022	
BY DATE		DWG. NO.	
	SCALE: N.T.S.	118-1	

02/25/25

DATE:

AS SHOWN

SCALE:

DESIGNED BY:

CEE

DRAWN BY:

TR

CHECKED BY:

CEE

APPROVED BY:

CEE

DATE:

BY:

DESCRIPTION:

CRAVEN - THOMPSON AND ASSOCIATES, INC.

ENGINEERS • PLANNERS • SURVEYORS

35653 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309

FAX: (954) 739-6409 TEL: (954) 739-6400

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1501 WEST ATLANTIC BLVD.

POMPAÑO BEACH, FLORIDA

PREPARED FOR:

KAJA PROPERTIES INC.

WATER AND SEWER DETAILS

CHAD E. EDWARDS, P.E.

FLORIDA LICENSE No. 59306

2025-02-28

PROJECT NO.

24-0055-001-01

C-9

SHEET 9 OF 12

DRC
CHAD E. EDWARDS
P.E.
FLORIDA LICENSE
No. 59306
STATE OF
FLORIDA
ENGINEER

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