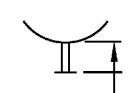
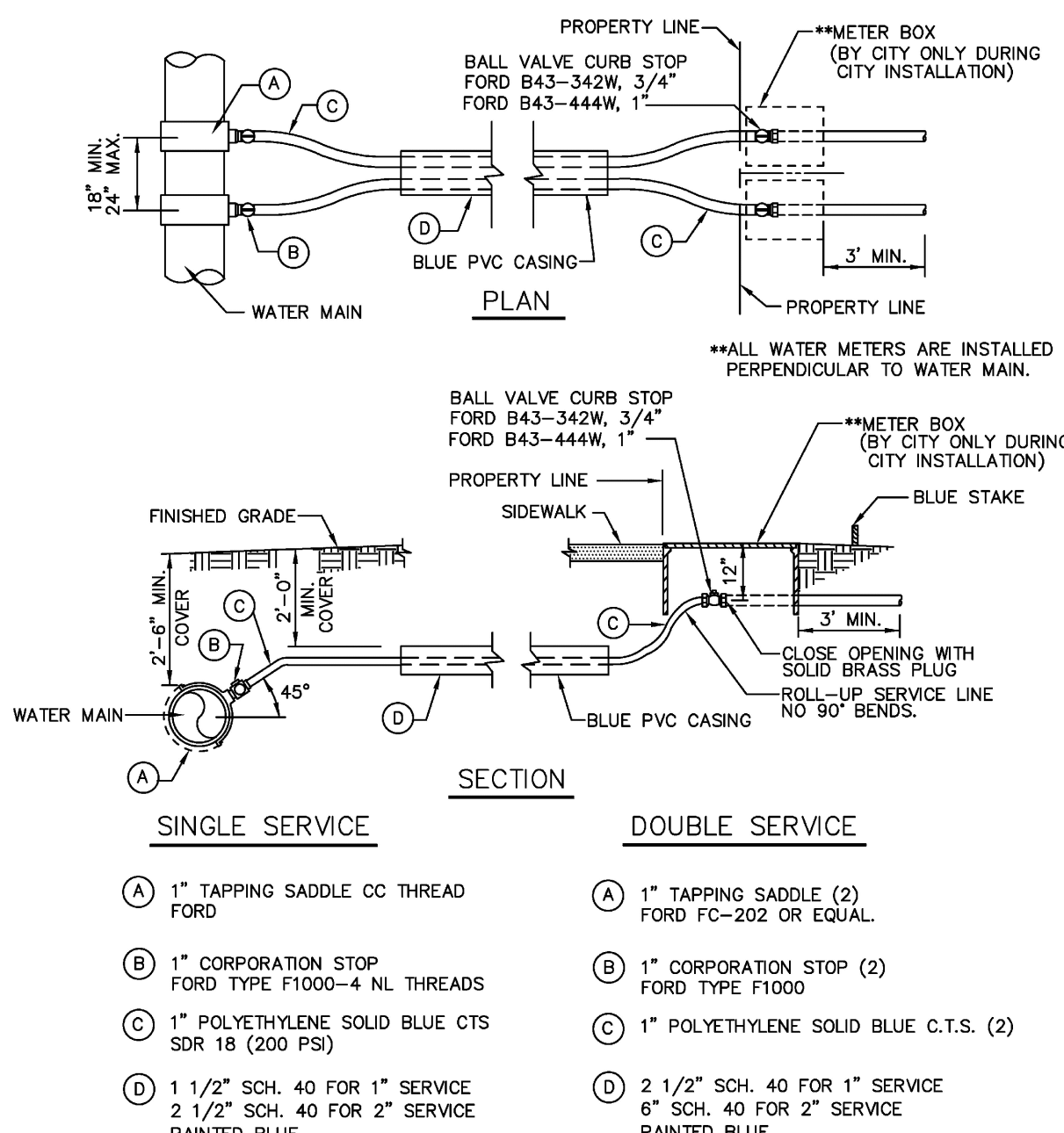
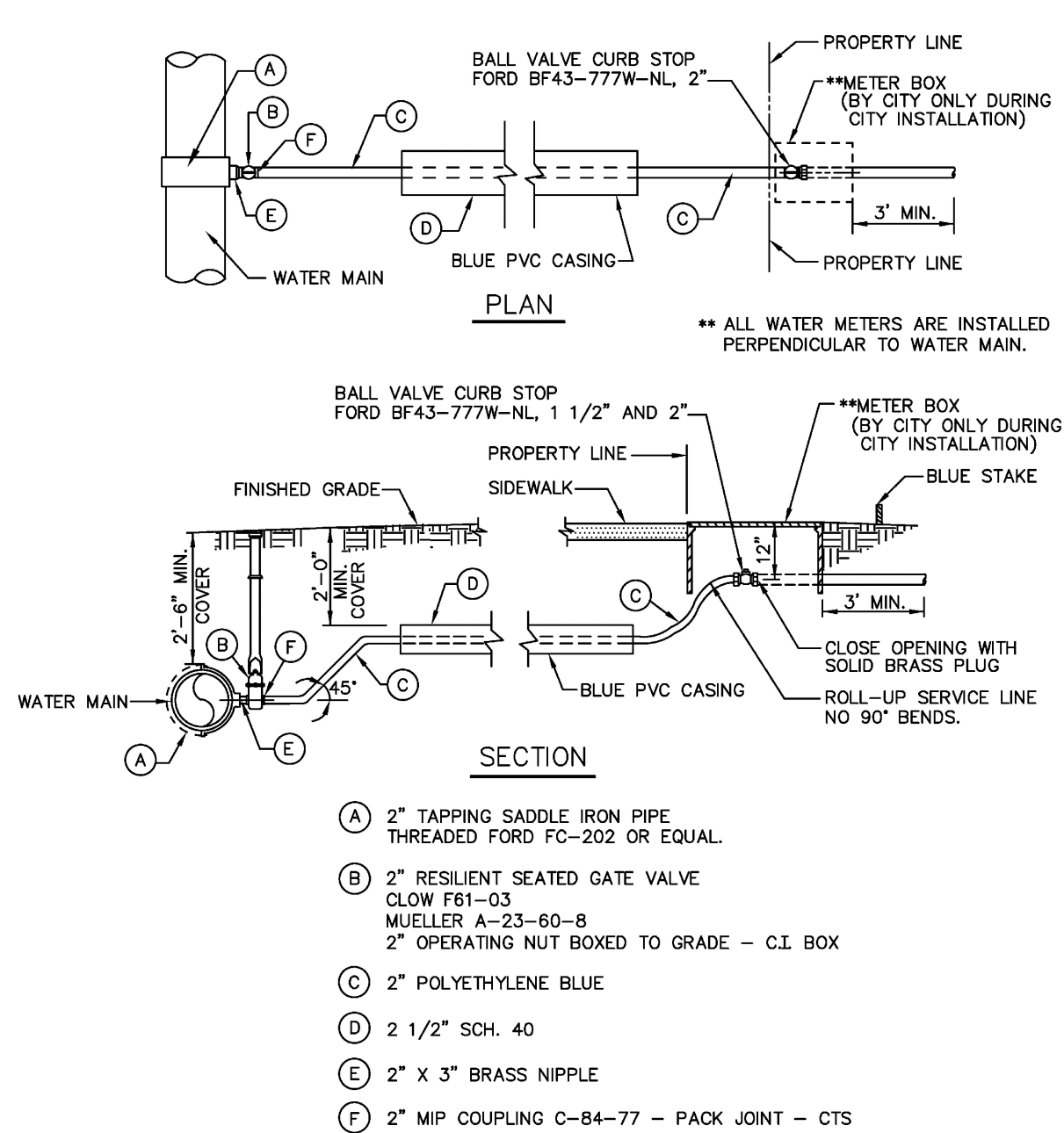


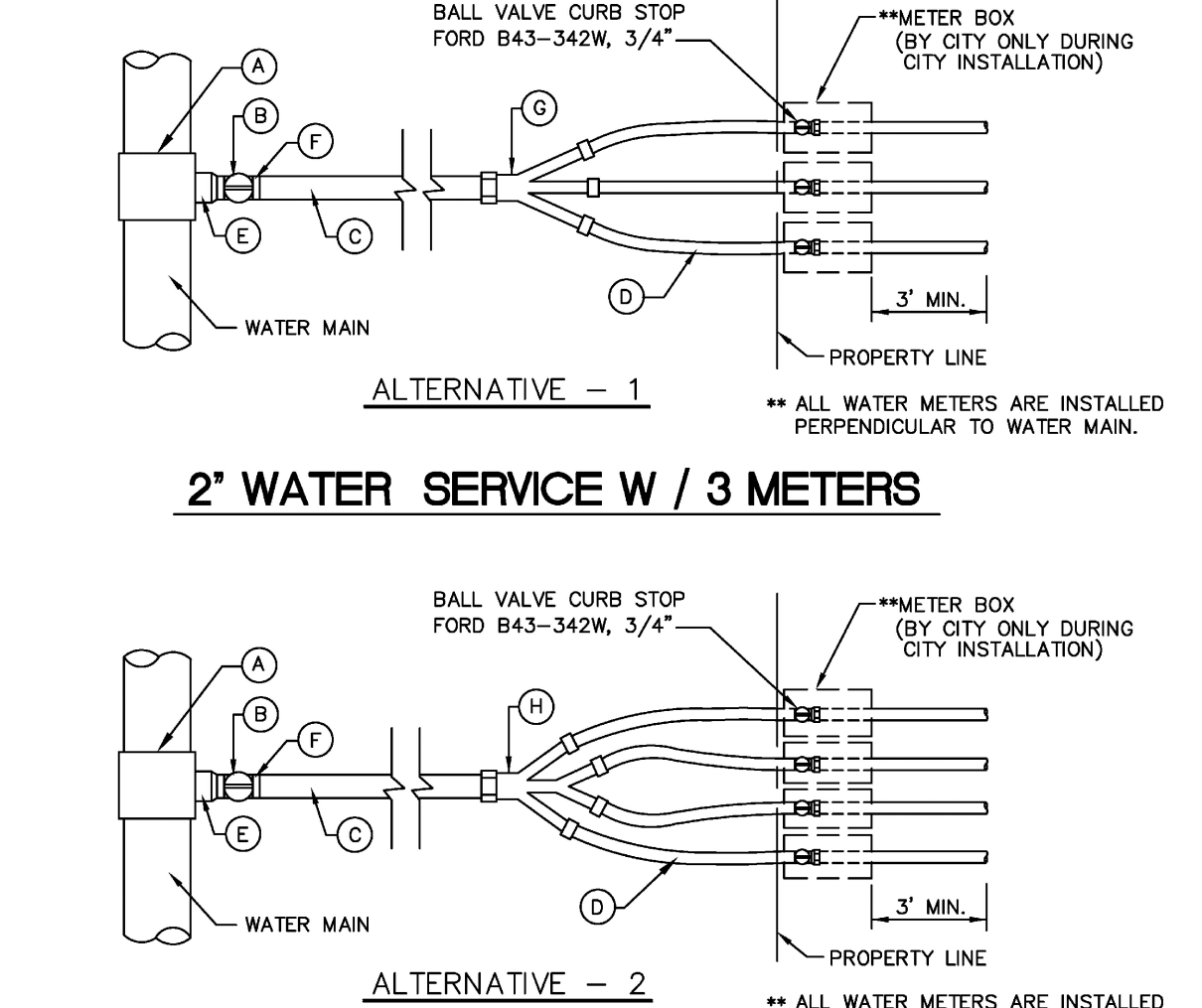
\\ctarlin02\Eng\Projects\2024\24-0055 WSD\24-0055 WSD.dwg [C-10] May 27, 2025 9:24am TRUBINO

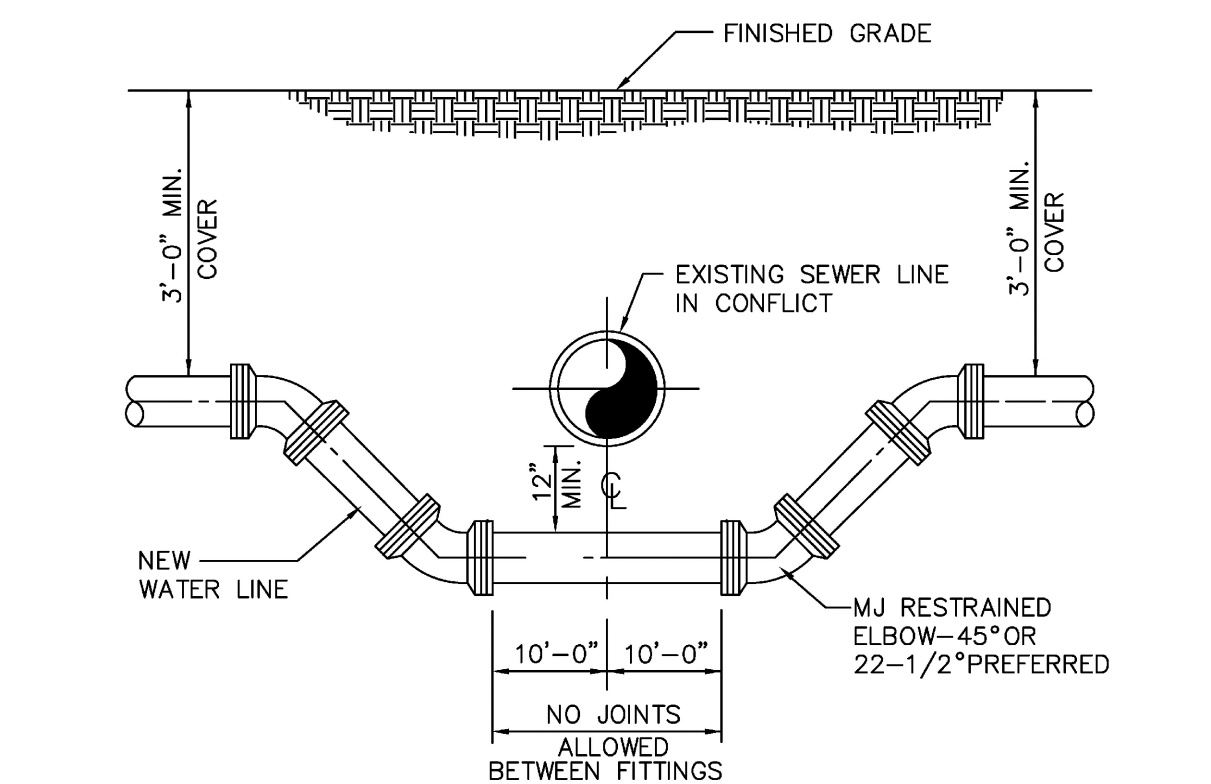
FIRE METERS - OS & Y VALVES, GASKETS & METER						
(NEPTUNE MACH 10 Ultrasonic Meter)						2" MIN. TRAVEL
				METER w/ Strainer	TOTAL	
SIZE	VALVES (2)	GASKETS (4)		LENGTH		
3" w/ 4" X 3" Reducer **	16"	1/2"	30" **	46 1/2"		
4"	18"	1/2"	27 1/2"	46"		
6"	21"	1/2"	33"	54 1/2"		
8"	23"	1/2"	30"	53 1/2"		
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/ Strainer	TOTAL	
SIZE	TEES (2)	VALVES (2)	GASKETS (6)	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.				

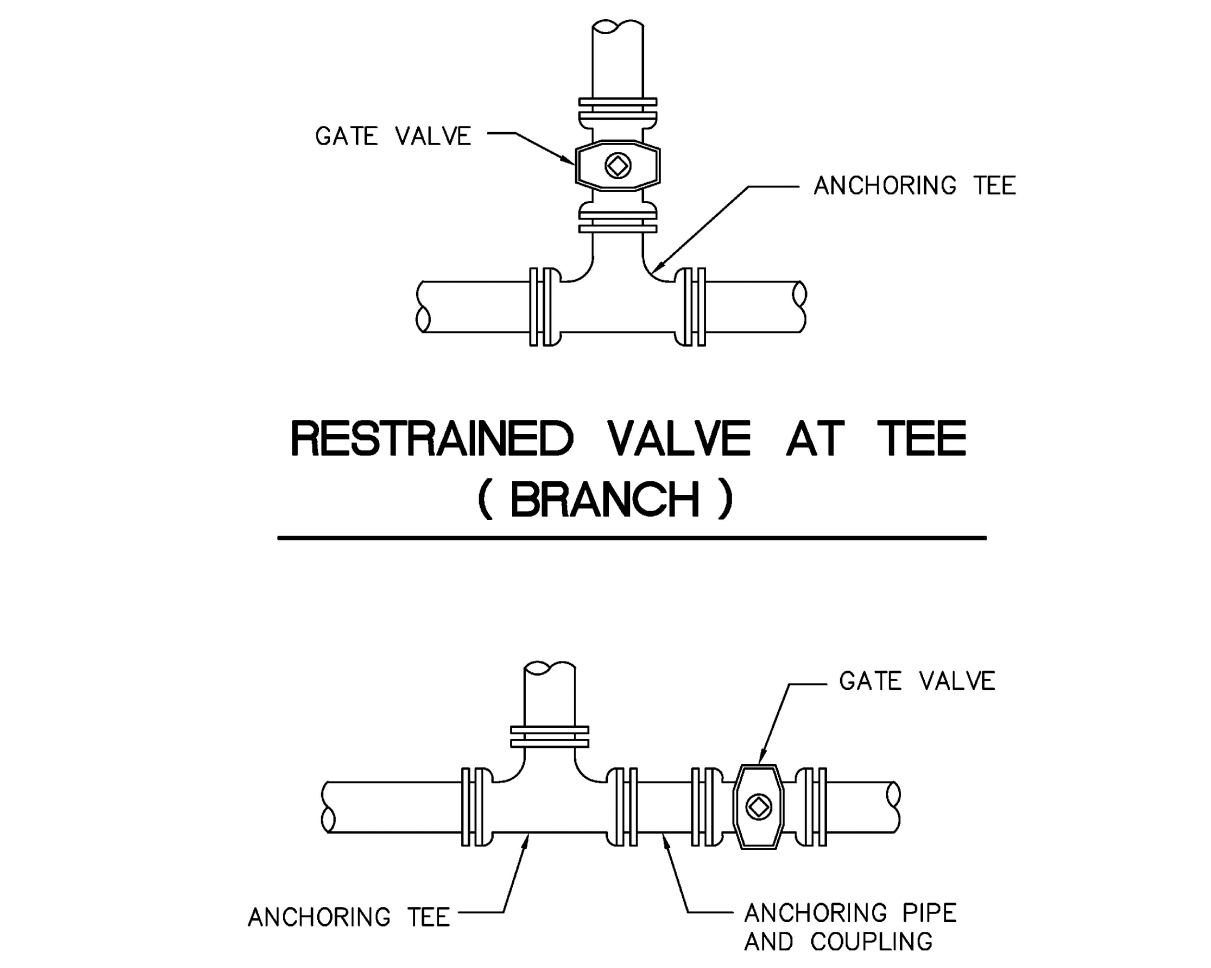
ENGINEERING STANDARDS 2025					
REVISIONS		ENGINEERING DIVISION		METER INSTALL DIMENSION LIST	
BY	DATE	CITY OF POMPAÑO BEACH			
T.W.	02-2008				
S.S.	11-2016				
A.S.	01-2022	SCALE: N.T.S.		DATE: JAN. 2022 DWG. NO. 106-4	

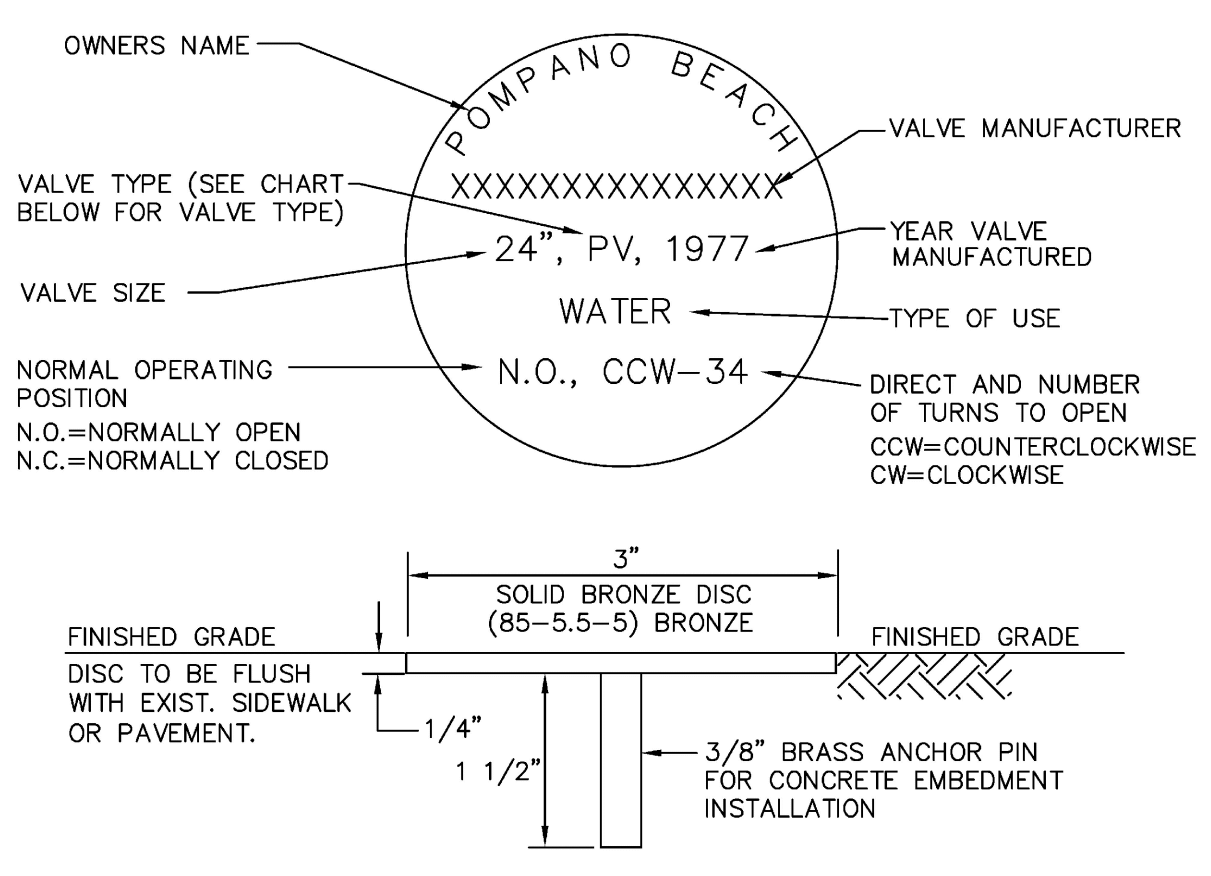
ENGINEERING STANDARDS 2025	
TYPICAL 3/4" AND 1" WATER SERVICE	
	
REVISIONS	
BY	DATE
T.W.	11-2007
S.S.	05-2012
S.S.	11-2015
A.S.	08-2021
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: MAY 2022 DWG. NO. 107-1	

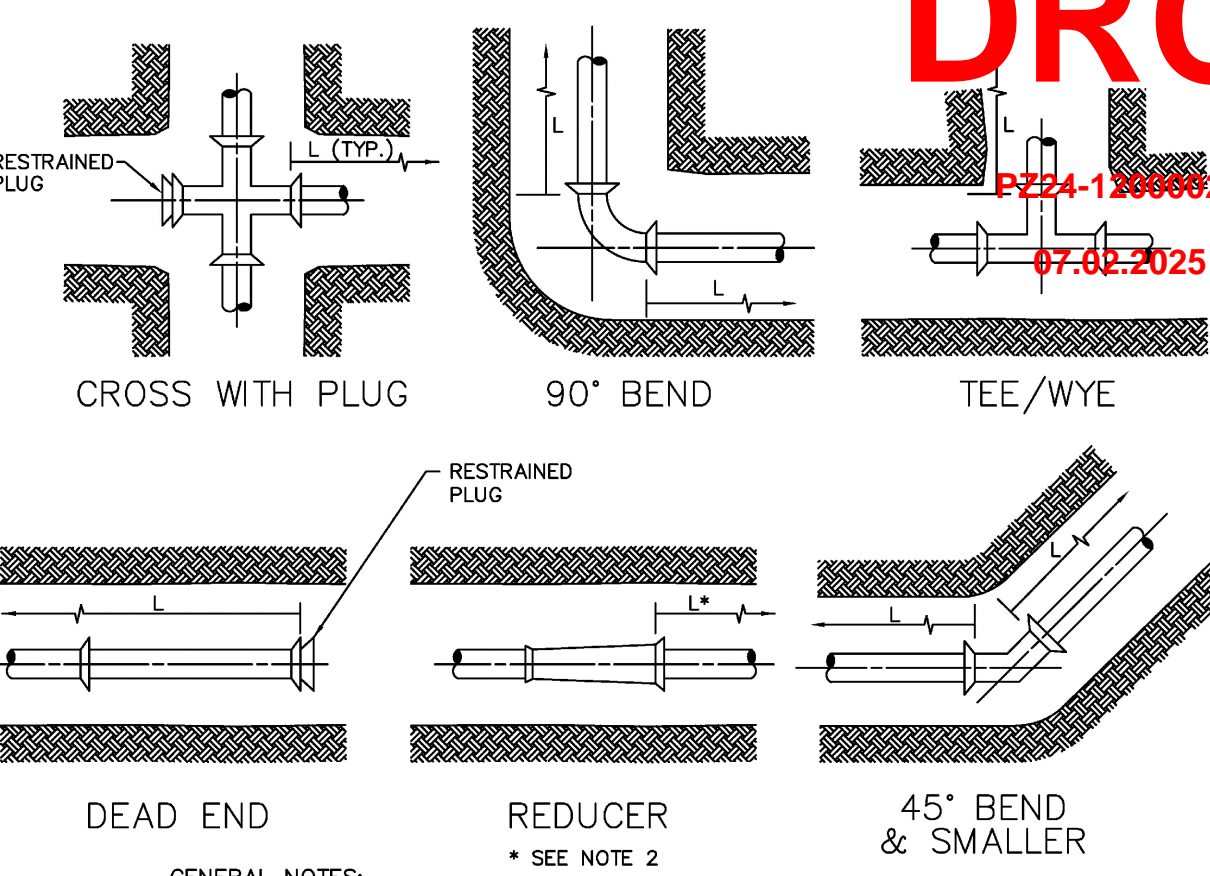
ENGINEERING STANDARDS 2025	
TYPICAL 1 1/2" AND 2" WATER SERVICE	
	
REVISIONS	
BY	DATE
T.W.	05-2011
S.S.	05-2012
S.S.	11-2016
A.S.	08-2021
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: APRIL 2022 DWG. NO. 107-2	

ENGINEERING STANDARDS 2025	
2" WATER SERVICE W / 3 METERS	
	
REVISIONS	
BY	DATE
T.W.	11-2012
S.S.	11-2012
A.S.	01-2022
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: MAY 2022 DWG. NO. 107-3	

ENGINEERING STANDARDS 2025	
TYPICAL CONFLICT DETAIL	
	
NOTES	
WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.	
USE MEGALUGS AT ALL PIPE JOINTS	
ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.	
REVISIONS	
BY	DATE
T.W.	04-2005
S.S.	01-2012
A.S.	01-2022
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: MAY 2022 DWG. NO. 108-1	

ENGINEERING STANDARDS 2025	
RESTRAINED VALVE AT TEE ( IN LINE )	
	
REVISIONS	
BY	DATE
T.W.	JUNE 2005
S.S.	02-2008
A.S.	11-2015
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: MAY 2022 DWG. NO. 111-1	

ENGINEERING STANDARDS 2025	
UNDERGROUND VALVE IDENTIFICATION MARKER	
	
REVISIONS	
BY	DATE
T.W.	JUNE 2005
S.S.	11-2007
S.S.	02-2008
A.S.	1-24-12
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: FEB. 2022 DWG. NO. 115-1	

ENGINEERING STANDARDS 2025	
RESTRAINED JOINT INFORMATION	
	
GENERAL NOTES:	
1. VALUES IN TABLE ARE BASED ON 3' OF COVER, 100 PSI INTERNAL PRESSURE, FOR FORCE MAINS, 150 PSI REUSE WATER LINES, ANS/AWWA C605 & C150/A21.50 LAYING CONDITION 3, ASTM D2487 SAND-SILT SP SOIL TYPE, AND SAFETY FACTOR OF 2.0. RESTRAINED LENGTHS WERE COMPUTED PER DIPRA "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AND "PVC PIPE THRUST RESTRAINT DESIGN HANDBOOK," EBAA IRON, INC.	
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.	
REVISIONS	
BY	DATE
T.W.	04-2005
S.S.	01-2012
A.S.	01-2022
ENGINEERING DIVISION	
CITY OF POMPAÑO BEACH	
SCALE: N.T.S.	
DATE: MAY 2022 DWG. NO. 118-1	

04/30/25

DATE:

AS SHOWN

SCALE:

DESIGNED BY:

CEE

DRAWN BY:

TR

CHECKED BY:

CEE

APPROVED BY:

CEE

BY:

DATE:

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

FLORIDA LICENSED ENGINEERS, SURVEYORS & MAPPING BUSINESS NO. 271

FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C00014

MATERIAL SHOWN HEREIN IS THE PROPERTY OF CRAVEN THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR IN PART WITHOUT WRITTEN PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2015

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

2025-05-27

PROJECT NO.

24-0055-001-01

C-10

SHEET 10 OF 14