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File: F:\DESPC PROJECTS\5758 UT 20 LLC\25-01613 Pompano Beach FL\DWG\Entitlements\057582501613SP2.dwg, ----> C4.03 UTILITY DETAILS

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 **	16"	1/2"	30" **	48 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)	Meter w/ 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"	88 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			DATE: JAN. 2022
T.W.	02-2008				DWG. NO.
S.S.	11-2016				
A.S.	01-2022				
		SCALE: N.T.S.			106-4

OWNERS NAME		POMPAÑO BEACH		VALVE MANUFACTURER	
VALVE TYPE (SEE CHART BELOW FOR VALVE TYPE)		XXXXXXXXXXXXXX		YEAR VALVE MANUFACTURED	
VALVE SIZE		24", PV, 1977		TYPE OF USE	
NORMAL OPERATING POSITION		N.O., CCW-34		DIRECT AND NUMBER OF TURNS TO OPEN	
N.O.=NORMALLY OPEN		CCW=COUNTERCLOCKWISE		CW=CLOCKWISE	
N.C.=NORMALLY CLOSED					
VALVE TYPES BALL VALVE--BALLV RESILIENT WEDGE GATE VALVE--RWVG BUTTERFLY VALVE--BV PLUG VALVE--PV					
NOTES: 1. VALVE INFORMATION TO BE TRIPLE ENGRAVED INTO TOP SURFACE WITH 1/4" CAPITAL LETTERS. 2. ENTIRE MARKER TO BE COATED WITH CLEAR EPOXY TO PREVENT FARNISHING. 3. VALVE INFORMATION TO BE APPROVED BY CITY OF POMPAÑO BEACH UTILITIES DEPARTMENT. 4. MARKERS SHALL BE MANUFACTURED BY RG WRENCH, OR APPROVED EQUAL					
UNDERGROUND VALVE IDENTIFICATION MARKER					
ENGINEERING STANDARDS 2025					
REVISIONS		ENGINEERING DIVISION	UNDERGROUND VALVE IDENTIFICATION MARKER		
BY	DATE	CITY OF POMPAÑO BEACH			DATE: FEB. 2022
T.W.	11-2007				DWG. NO.
S.S.	JUNE 2009				
T.W.	02-2008				
S.S.	1-24-12				
		SCALE: N.T.S.			115-1

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

TYPICAL CONFLICT DETAIL			
ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION	TYPICAL CONFLICT (WATER)
BY	DATE	CITY OF POMPAÑO BEACH	
T.W.	11-2007		
S.S.	04-2005		
S.S.	01-2012		
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 108-1

TYPICAL FIRE HYDRANT ASSEMBLY			
ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION	FIRE HYDRANT ASSEMBLY
BY	DATE	CITY OF POMPAÑO BEACH	
T.W.	11-2007		
T.W.	10-2010		
S.S.	2-2012		
S.S.	11-2012		
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 109-1

MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES			
ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION	MIN. HORIZONTAL SEPARATION FOR POTABLE WATER
BY	DATE	CITY OF POMPAÑO BEACH	
T.W.	01/12		
S.S.			
		SCALE: N.T.S.	DATE: JAN. 2022 DWG. NO. 121-1

SPECIAL UTILITY CROSSING - FITTING TYPE			
STANDARD UTILITY CROSSING - DEFLECTION TYPE			
NOTES: 1. THE DEFLECTION TYPE CROSSING SHALL BE USED WHEREVER POSSIBLE. ONLY UNDER SPECIFIC ORDERS BY THE ENGINEER SHALL THE FITTING TYPE CROSSING BE ALLOWED. 2. CONSTRUCT STANDARD CROSSING USING NO MORE THAN 75% OF MANUFACTURERS' MAXIMUM JOINT DEFLECTION. 3. FOR POTABLE WATER MAINS, REFER TO "PROTECTION OF POTABLE WATER SUPPLY".			
UTILITY CROSSINGS			
ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION	UTILITY CROSSINGS
BY	DATE	CITY OF POMPAÑO BEACH	
T.W.	01/12		
S.S.			
		SCALE: N.T.S.	DATE: JAN. 2022 DWG. NO. 122-1

PROTECTION OF POTABLE WATER SUPPLY NOTES			
A. GENERAL IN ADDITION TO THESE REQUIREMENTS, ALL POTABLE WATER MAINS CONSTRUCTED IN THE VICINITY OF STORM SEWERS, SANITARY SEWERS OR FORCE MAINS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF FLORIDA ADMINISTRATIVE CODE CHAPTER 62-555, GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS (GLUMRB) "RECOMMENDED STANDARDS FOR WATER WORKS", AND GLUMRB "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES".			
B. DEFINITIONS FOR THE PURPOSES OF THIS SPECIFICATION, THE WORDS "OTHER PIPE" OR "OTHER PIPES" SHALL MEAN SANITARY SEWER MAIN, SEWAGE FORCE MAIN, STORMWATER MAIN OR ANY COMBINATION THEREOF.			
C. CROSS CONNECTIONS PROHIBITED THERE SHALL BE NO PHYSICAL CONNECTIONS BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND ANY OTHER PIPE OR APPURTENANCE THERETO WHICH WOULD PERMIT THE PASSAGE OF ANY WASTEWATER, POLLUTED WATER, OR ANY OTHER WATER INTO THE POTABLE SUPPLY. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE OR STORMWATER MANHOLE.			
D. RELATION OF OTHER PIPES TO POTABLE WATER MAINS			
1. HORIZONTAL SEPARATION			
A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM WATER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610,F.A.C.			
B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.			
C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE, SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.			
ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION	POTABLE WATER SUPPLY NOTES
BY	DATE	CITY OF POMPAÑO BEACH	
T.W.	01/12		
S.S.			
		SCALE: N.T.S.	DATE: JAN. 2022 DWG. NO. 122-2

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TITLE:
UTILITY DETAILS

SCALE: (H) NOT TO (V) SCALE
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