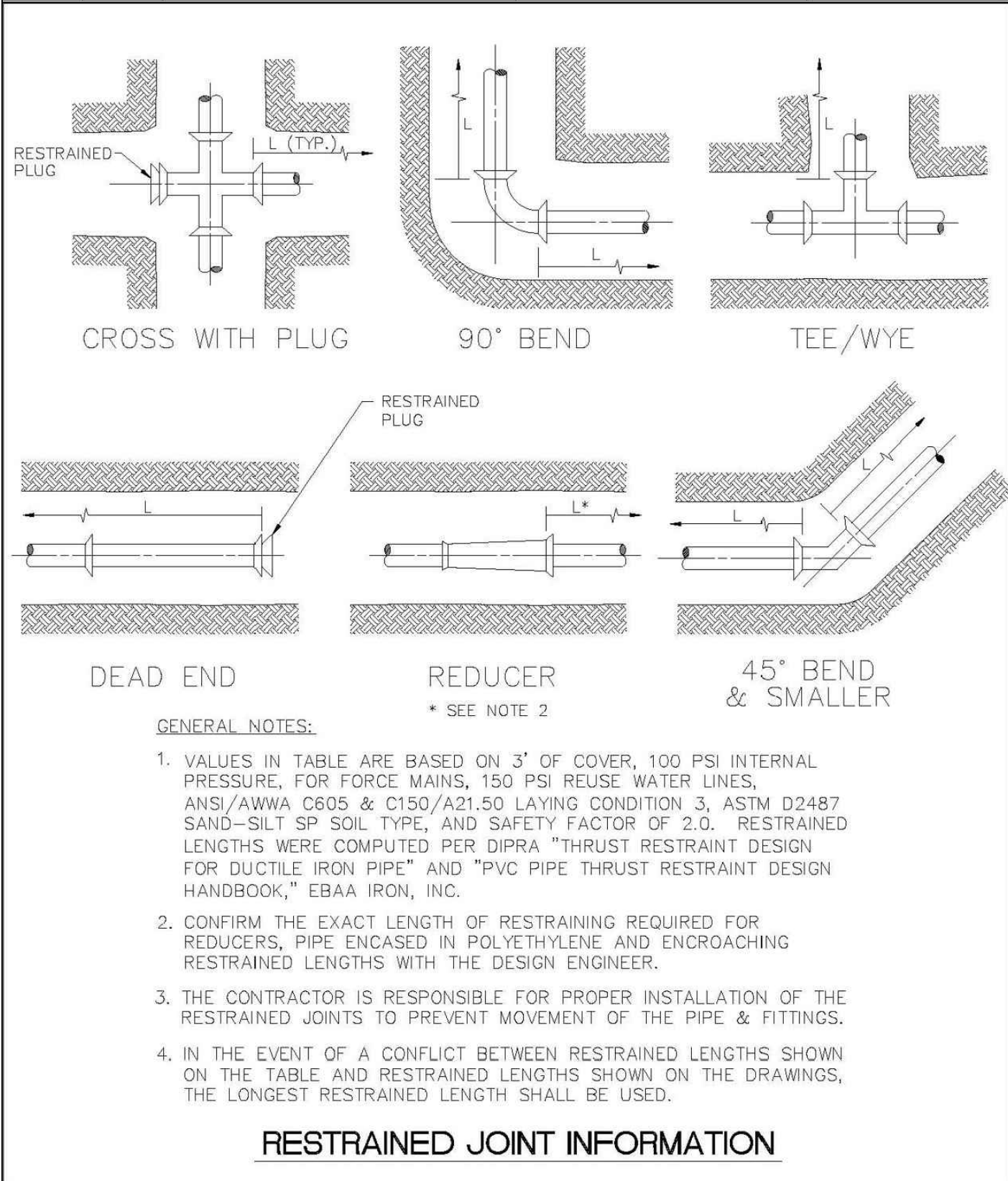


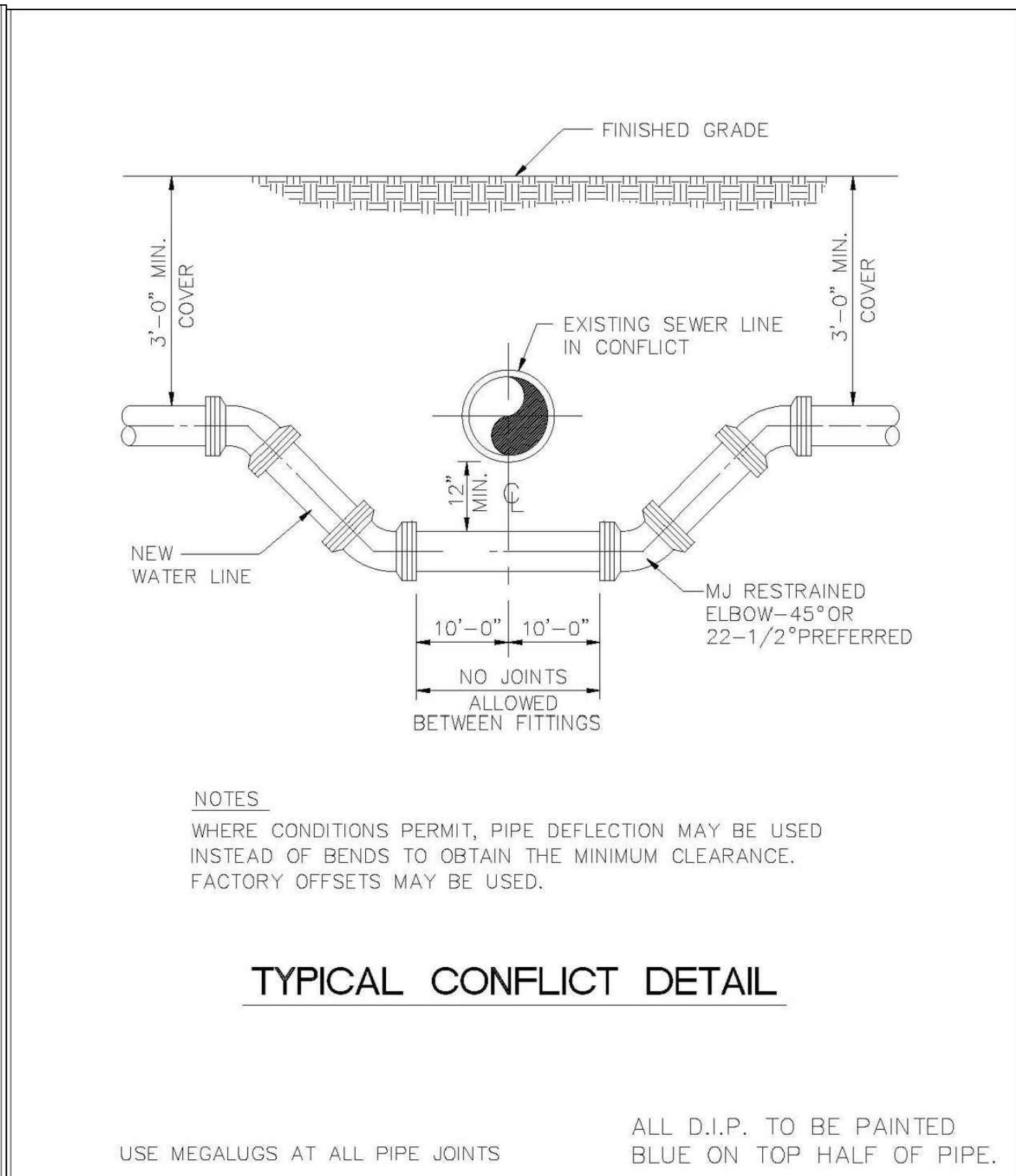
TYPICAL 1 1/2" AND 2" WATER SERVICE

ENGINEERING STANDARDS 2022			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	TYPICAL 2" WATER SERVICE
BY	DATE		
S.S.	05-2011		
S.S.	05-2012		
S.S.	11-2018		
A.S.	08-2021	SCALE: N.T.S.	DATE: APRIL 2022 DWG. NO. 107-2



RESTRAINED JOINT INFORMATION

ENGINEERING STANDARDS 2022			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	RESTRAINED JOINT INFORMATION
BY	DATE		
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 118-1



TYPICAL CONFLICT DETAIL

ENGINEERING STANDARDS 2022			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	TYPICAL CONFLICT (WATER)
BY	DATE		
S.S.	04-2009		
S.S.	01-2012		
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 108-1

PVC HORIZONTAL BENDS AND VERTICAL UP BENDS					
		RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY)			
		BENDS			
PIPE SIZE (IN.)		90°	45°	22.5°	11.25°
6		26	11	6	3
8		33	14	7	4
12		46	19	10	5
		CROSS WITH PLUG DEAD END TEE/WYE			
6		26	11	6	3
8		33	14	7	4
12		46	19	10	5

PVC VERTICAL DOWN BEND					
		RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY)			
		BENDS			
PIPE SIZE (IN.)		90°	45°	22.5°	11.25°
6		26	11	6	3
8		33	14	7	4
12		46	19	10	5

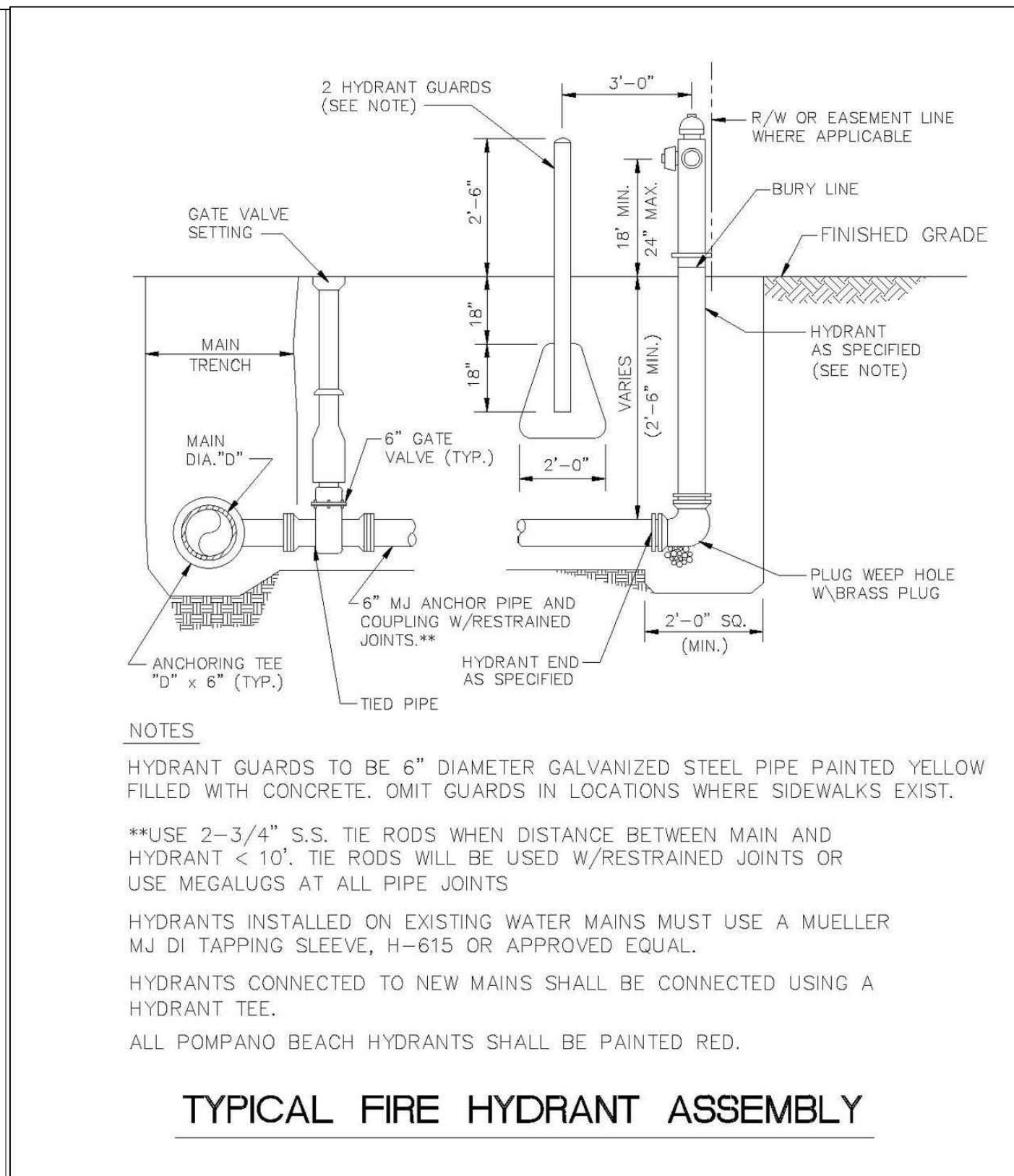
DIP HORIZONTAL BENDS AND VERTICAL UP BENDS					
		RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY)			
		BENDS			
PIPE SIZE (IN.)		90°	45°	22.5°	11.25°
6		26	11	6	3
8		33	14	7	4
12		46	19	10	5
		CROSS WITH PLUG DEAD END TEE/WYE			
6		26	11	6	3
8		33	14	7	4
12		46	19	10	5

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

RESTRAINED JOINT INFORMATION					
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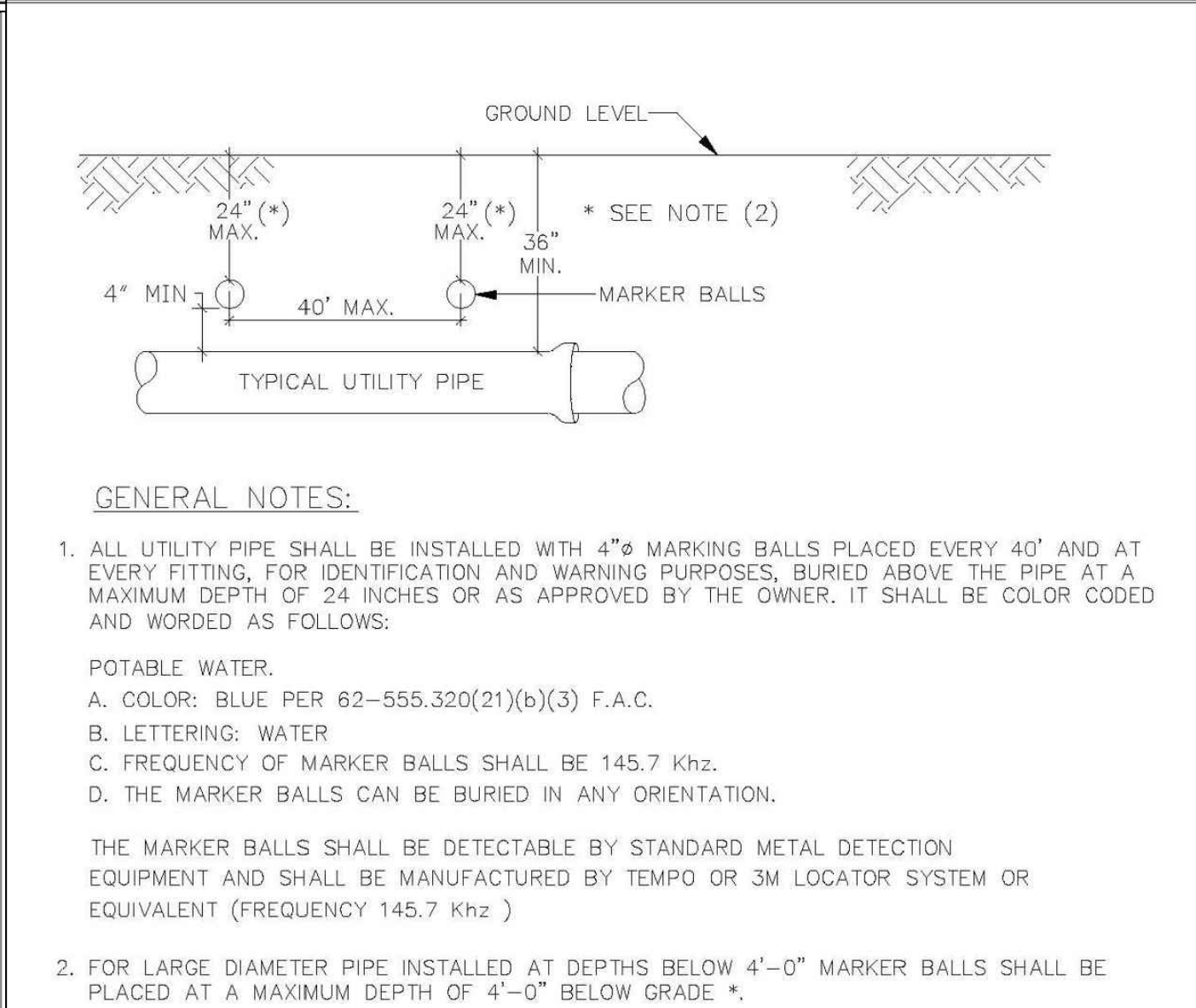
RESTRAINED JOINT INFORMATION

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



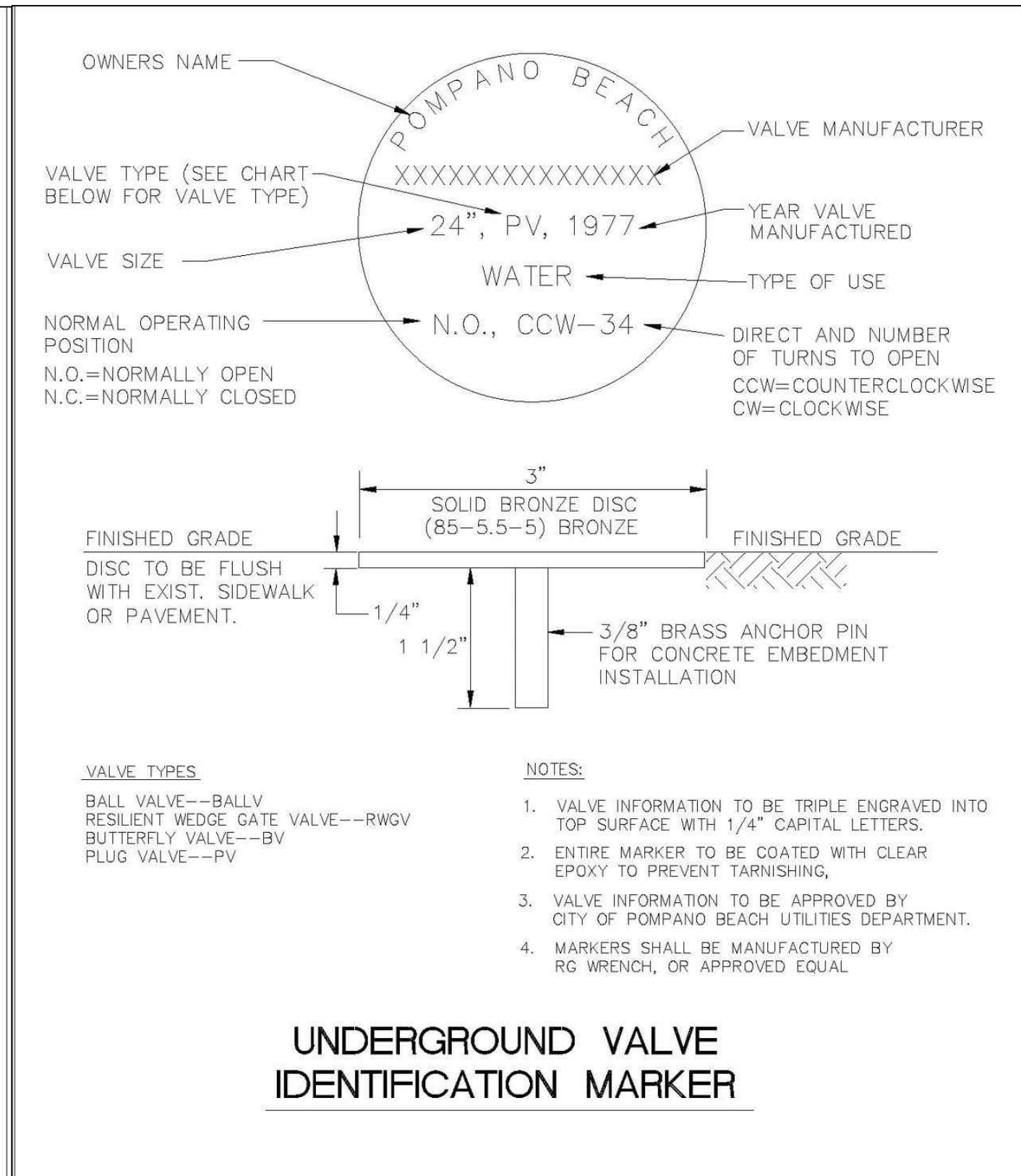
TYPICAL FIRE HYDRANT ASSEMBLY

ENGINEERING STANDARDS 2022			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	FIRE HYDRANT ASSEMBLY
BY	DATE		
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



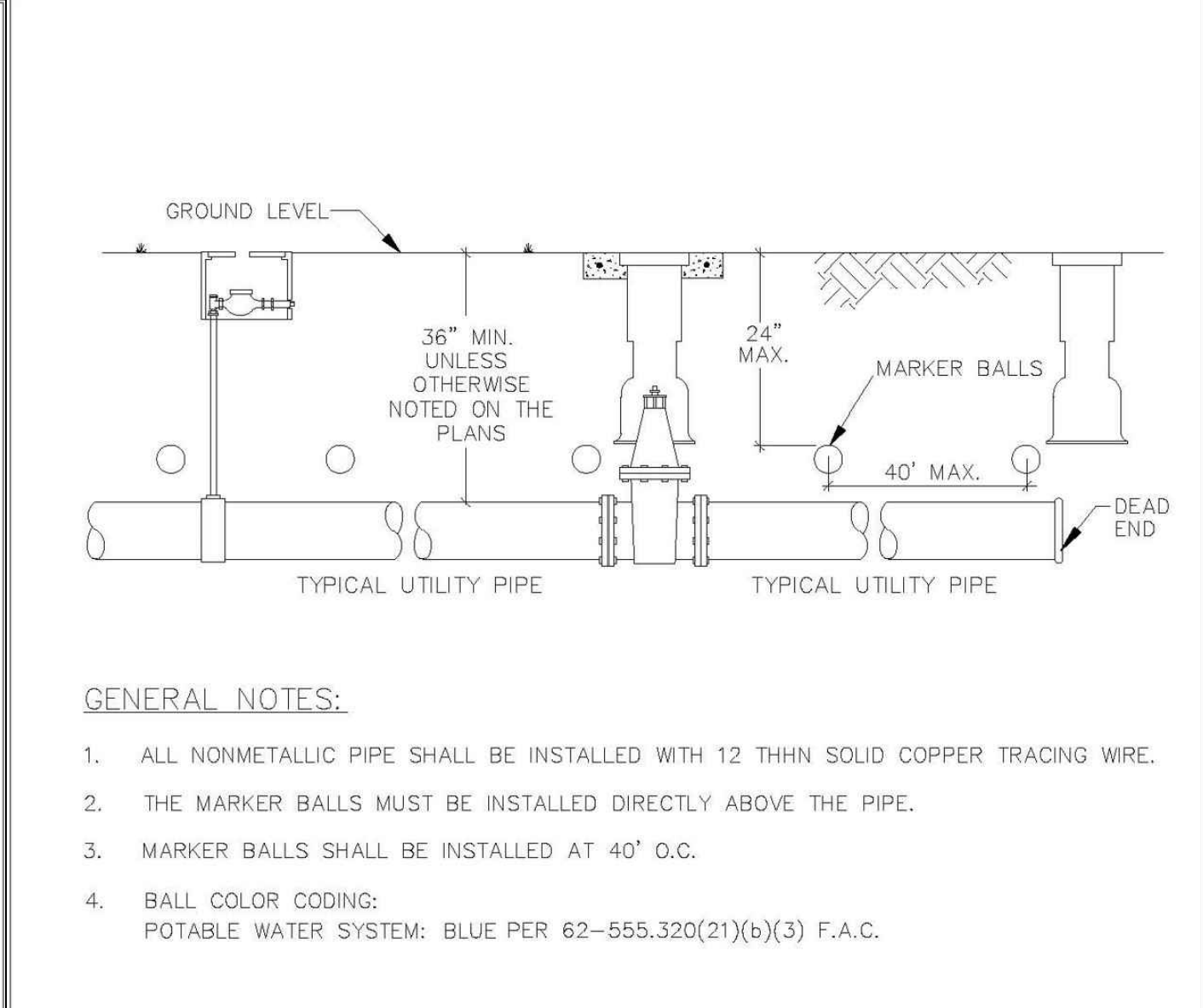
WATER PIPE IDENTIFICATION

ENGINEERING STANDARDS 2022			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	WATER PIPE IDENTIFICATION
BY	DATE		
S.S.	01/12		
S.S.	06/16		
		SCALE: N.T.S.	DATE: JAN. 2022 DWG. NO. 119-1



UNDERGROUND VALVE IDENTIFICATION MARKER

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



UTILITY PIPE AND MARKER BALLS LOCATION

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

REVISIONS
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WEBSITE: www.jhinc.com  
EMAIL: jh@jellsouth.net

201 SW 12th Ave

Water & Wastewater Details			
DATE	SCALE	DESIGNED BY	JOB NO.
01/28/2023	N.T.S.	JBI	2208-1411

SEAL
FR # 6986 SHEET NO. C-11

P&Z

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3/26/2025