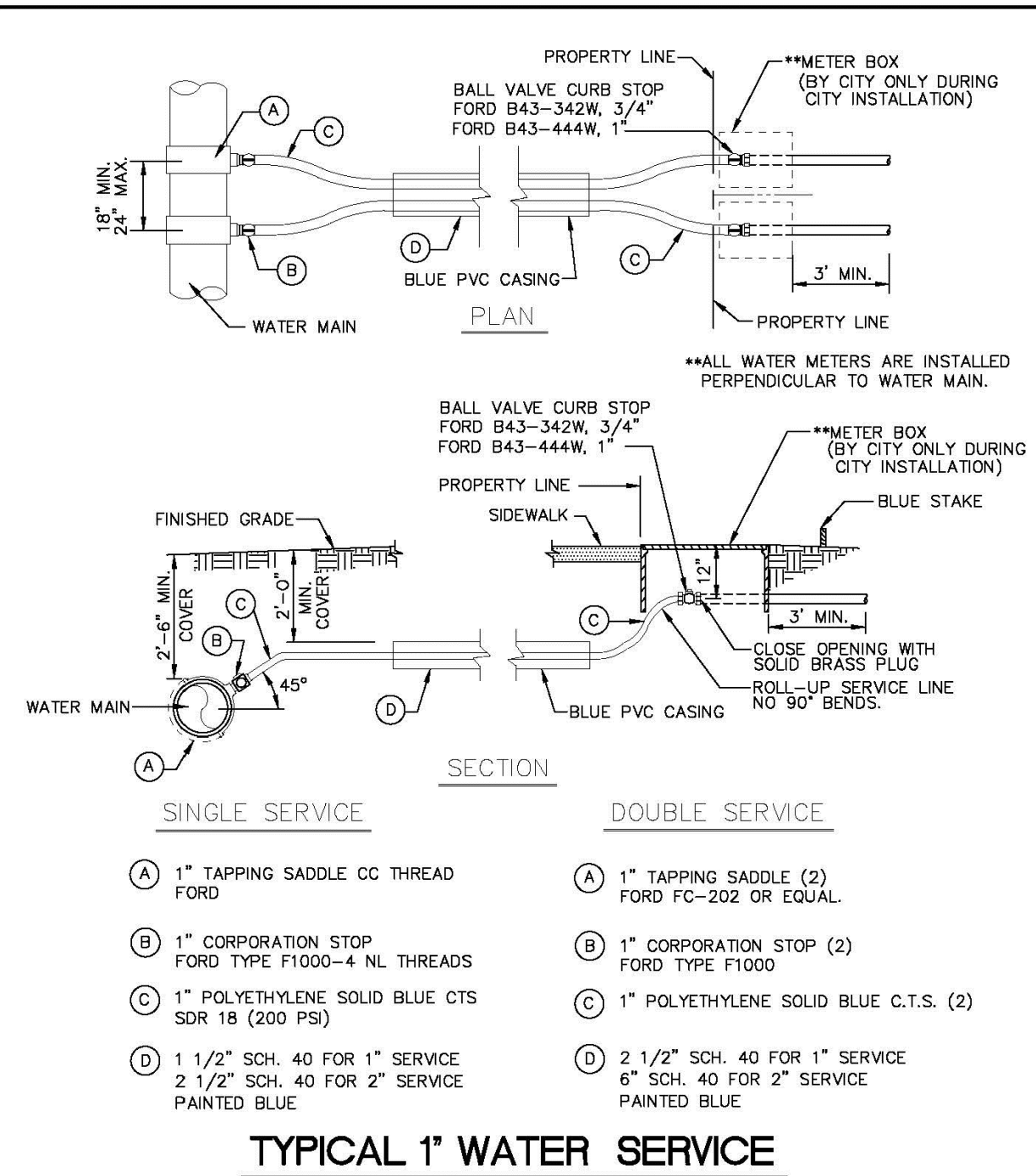
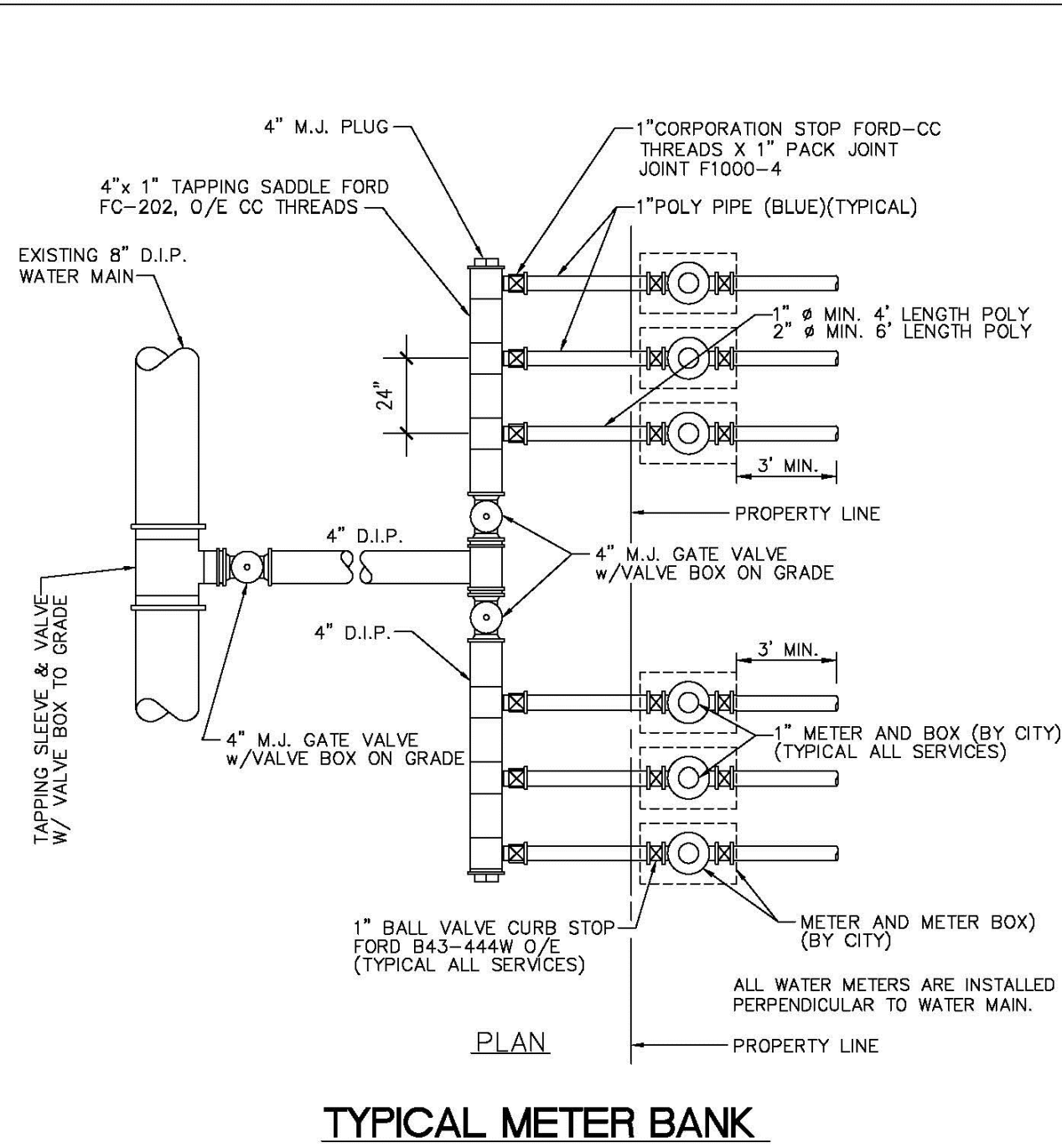


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ENGINEERING STANDARDS 2019			
REVISIONS		ENGINEERING DIVISION	
BY	DATE	CITY OF POMPANO BEACH	
S.S.	04-2006		
T.W.	11-2007		
S.S.	05-2012		
S.S.	11-2019		
SCALE: N.T.S.		TYPICAL 1\"	
		DATE: JUNE 2004	
		DWG. NO.	
		107-1	

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ENGINEERING STANDARDS 2019			
REVISIONS		ENGINEERING DIVISION	
BY	DATE	CITY OF POMPANO BEACH	
T.W.	02-09		
S.S.	05-2011		
S.S.	11-2012		
SCALE: N.T.S.		TYPICAL METER BANK	
		DATE: FEBRUARY 2009	
		DWG. NO.	
		113-1	

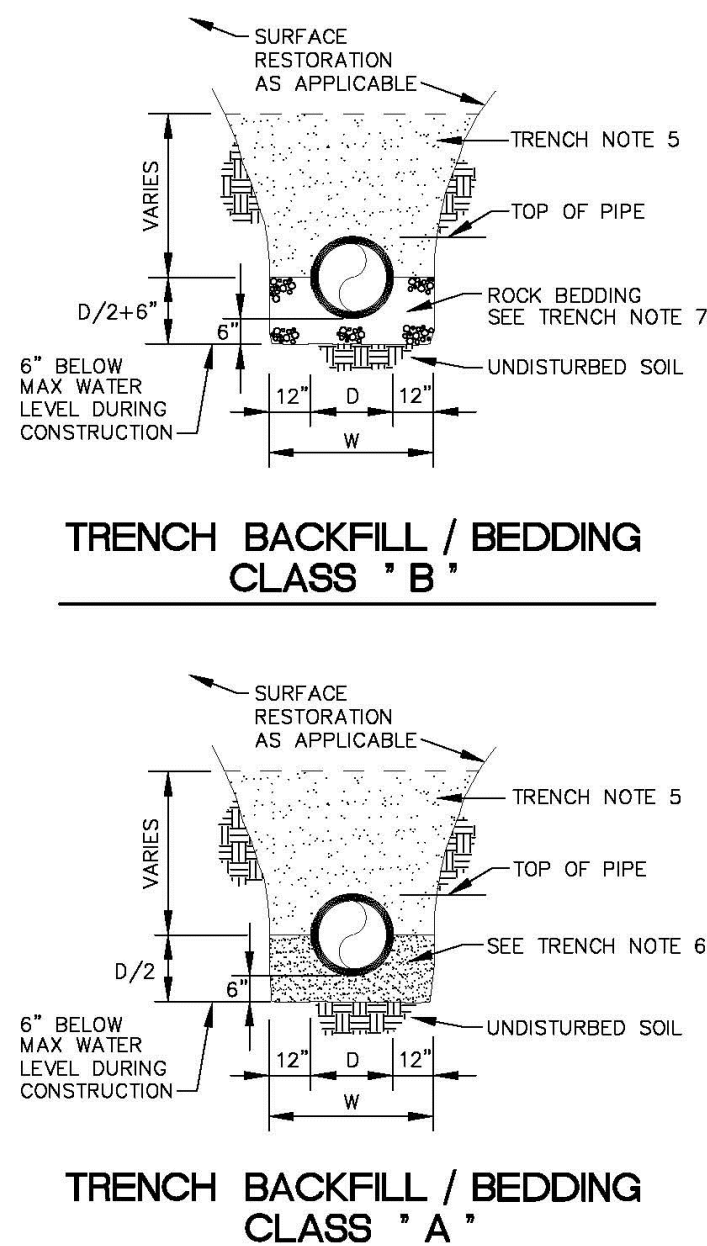
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TRENCH BACKFILL / BEDDING NOTES

1. OUTLINE OF TRENCH EXCAVATION IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL TRENCH WIDTH AND SHAPE WILL VARY WITH SOIL CONDITIONS. TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH THE "FLORIDA TRENCH SAFETY ACT" AND OSHA TRENCH SAFETY STANDARDS.
2. TYPICAL TRENCH BACKFILL/BEDDING FOR REUSE WATER MAIN AND FORCE MAIN INSTALLATIONS SHALL BE CLASS "A" AS SHOWN IN DETAIL.
3. TYPICAL TRENCH BACKFILL/BEDDING FOR GRAVITY SEWER INSTALLATION SHALL BE CLASS "B" AS SHOWN IN DETAIL.
4. TRENCH BACKFILL/BEDDING CLASS "C" AND CLASS "D" SHALL BE USED FOR PIPE INSTALLATIONS WHERE UNSUITABLE TRENCH MATERIALS ARE ENCOUNTERED.
5. TRENCH ZONE BACKFILL SHALL BE MATERIAL TYPE 1 OR TYPES A THRU H, OR ANY MIXTURE THEREOF, WHERE SURFACE RESTORATION TYPE "1" IS APPLICABLE, TRENCH ZONE BACKFILL SHALL BE PLACED IN 12" LIFTS, COMPACTED TO 90% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-697 (AASHTO T-99). WHERE SURFACE RESTORATION TYPES "2", "3" AND "4" ARE APPLICABLE, TRENCH BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 98% OF THE MATERIAL'S DENSITY AS DETERMINED BY ASTM D-698 (AASHTO T-99).
6. BEDDING MATERIAL FOR TYPICAL REUSE WATER MAIN INSTALLATION SHALL BE TYPE C. BEDDING SHALL BE COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
7. BEDDING MATERIAL FOR TYPICAL GRAVITY SEWER INSTALLATION AND ANY INSTALLATION WHERE UNSUITABLE TRENCH BOTTOM CONDITIONS ARE FOUND SHALL BE TYPE E. BEDDING SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" AND COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
8. UNSUITABLE MATERIAL SHALL BE REMOVED TO UNDISTURBED ROCK OR SAND OR TO DEPTH AS SPECIFIED BY ENGINEER. BACKFILL MATERIAL SHALL BE TYPE C. BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).

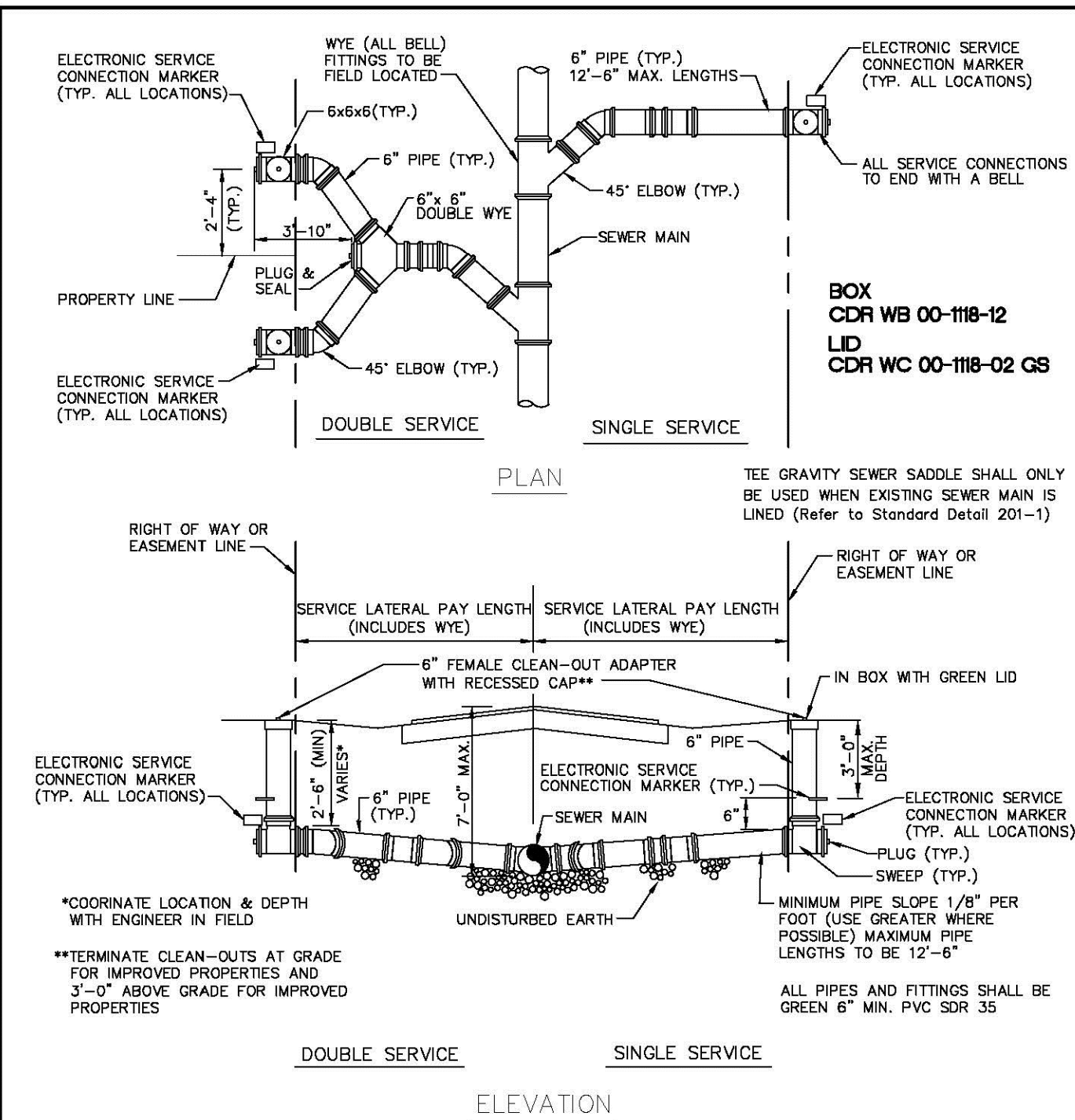
ENGINEERING STANDARDS 2019			
REVISIONS		ENGINEERING DIVISION	
BY	DATE	CITY OF POMPANO BEACH	
SCALE: N.T.S.		TRENCH BACKFILL / BEDDING	
		DATE: MAY 2007	
		DWG. NO.	
		504-3	

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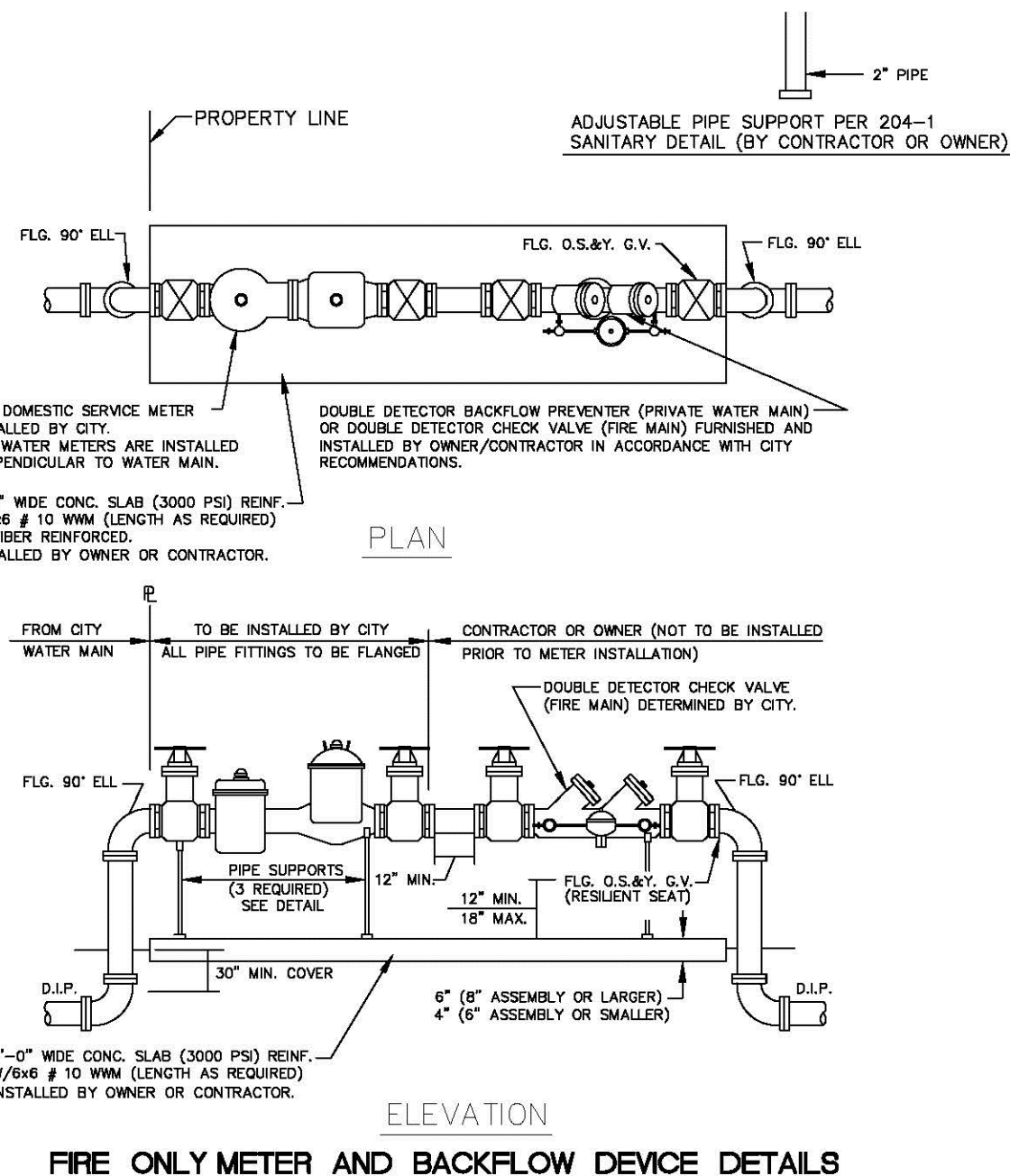
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REVISIONS		ENGINEERING DIVISION	
BY	DATE	CITY OF POMPANO BEACH	
S.S.	JUNE 2005		
SCALE: N.T.S.		TRENCH BACKFILL / BEDDING	
		DATE: JUNE 1996	
		DWG. NO.	
		203-1	

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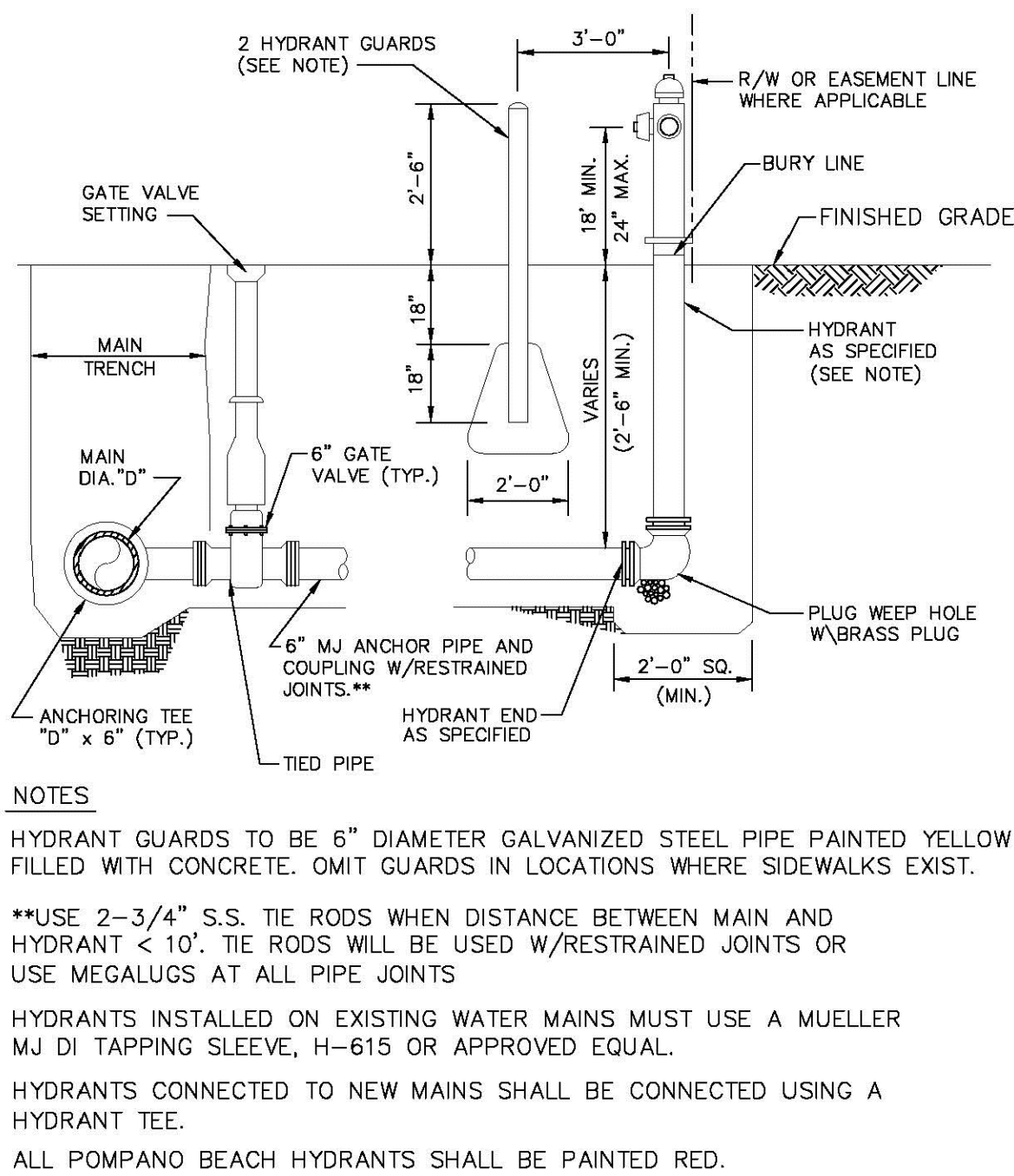
ENGINEERING STANDARDS 2019			
REVISIONS		ENGINEERING DIVISION	
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T.W.	11-2007		
S.S.	01/27/12		
S.S.	07/10/12		
S.S.	02/10/16		
SCALE: N.T.S.		SERVICE LATERALS	
		DATE: JUNE 1996	
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ENGINEERING STANDARDS 2019			
REVISIONS		ENGINEERING DIVISION	
BY	DATE	CITY OF POMPANO BEACH	
S.S.	05-2011		
S.S.	11-2012		
S.S.	12-2013		
S.S.	11-2016		
SCALE: N.T.S.		FIRE ONLY METER AND BACKFLOW DEVICE	
		DATE: JUNE 1996	
		DWG. NO.	
		106-3	

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