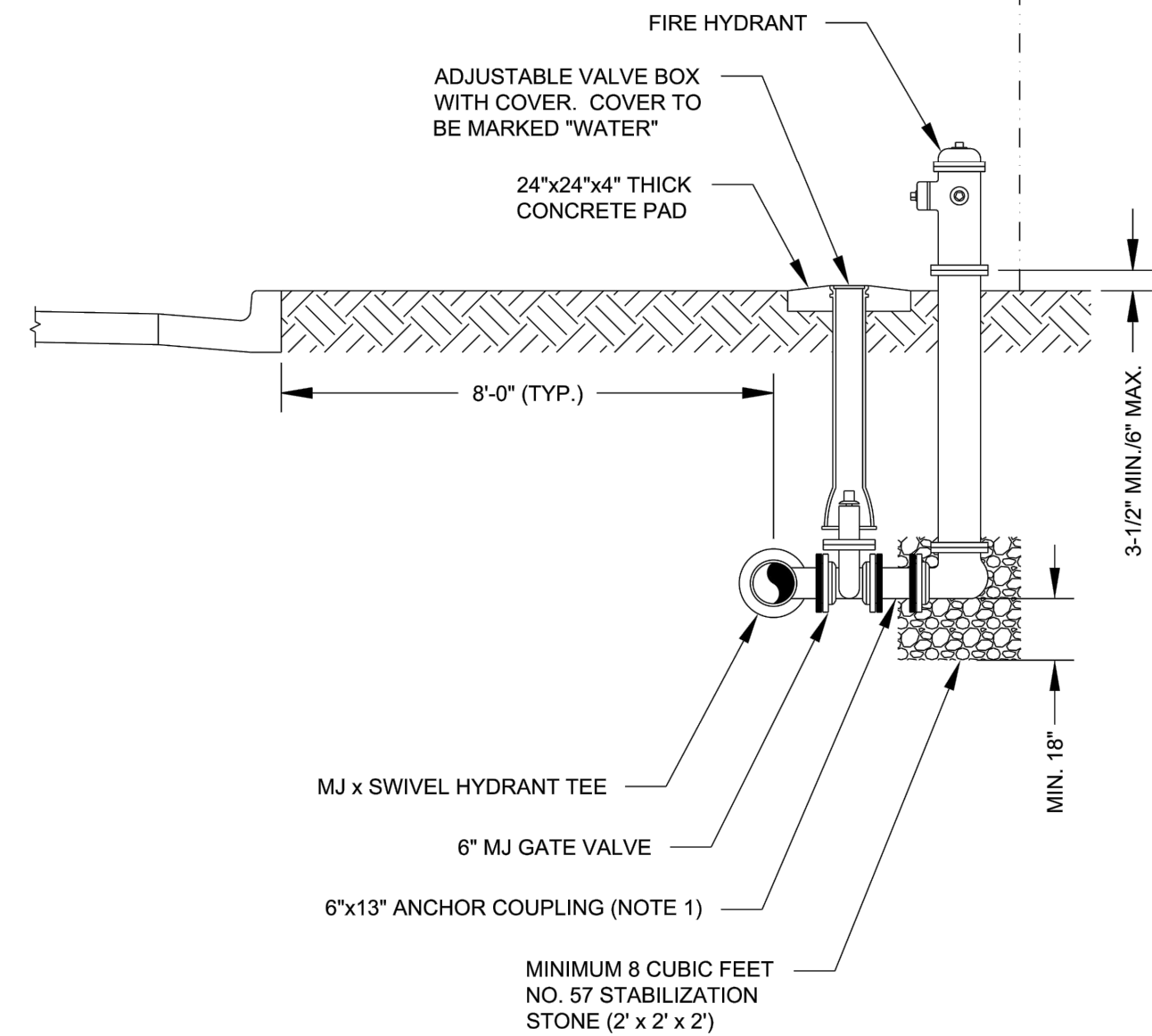


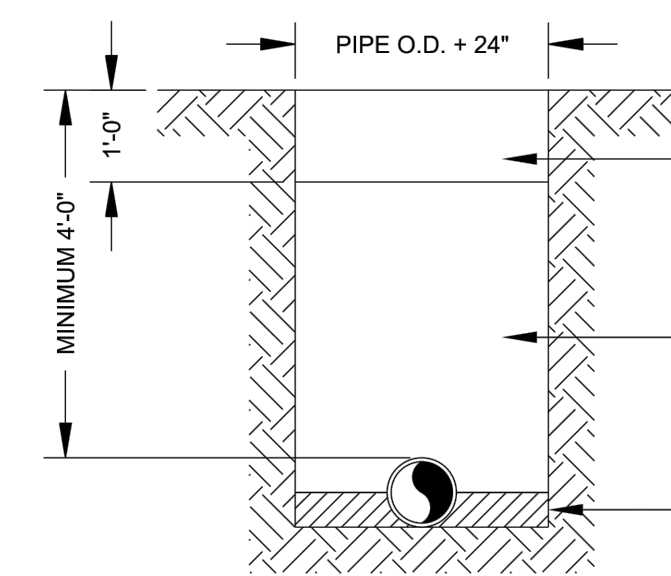
- NOTES:
1. ALL FITTINGS AND VALVES SHALL BE RESTRAINED.
  2. FIELD CONDITION MAY REQUIRE ADDITIONAL RESTRAINT AS DIRECTED BY HCWA.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>FIRE HYDRANT AT DEAD END</b>	REVISED: 01/31/2018
		SCALE: N.T.S.
		DETAIL NO. <b>W06</b>



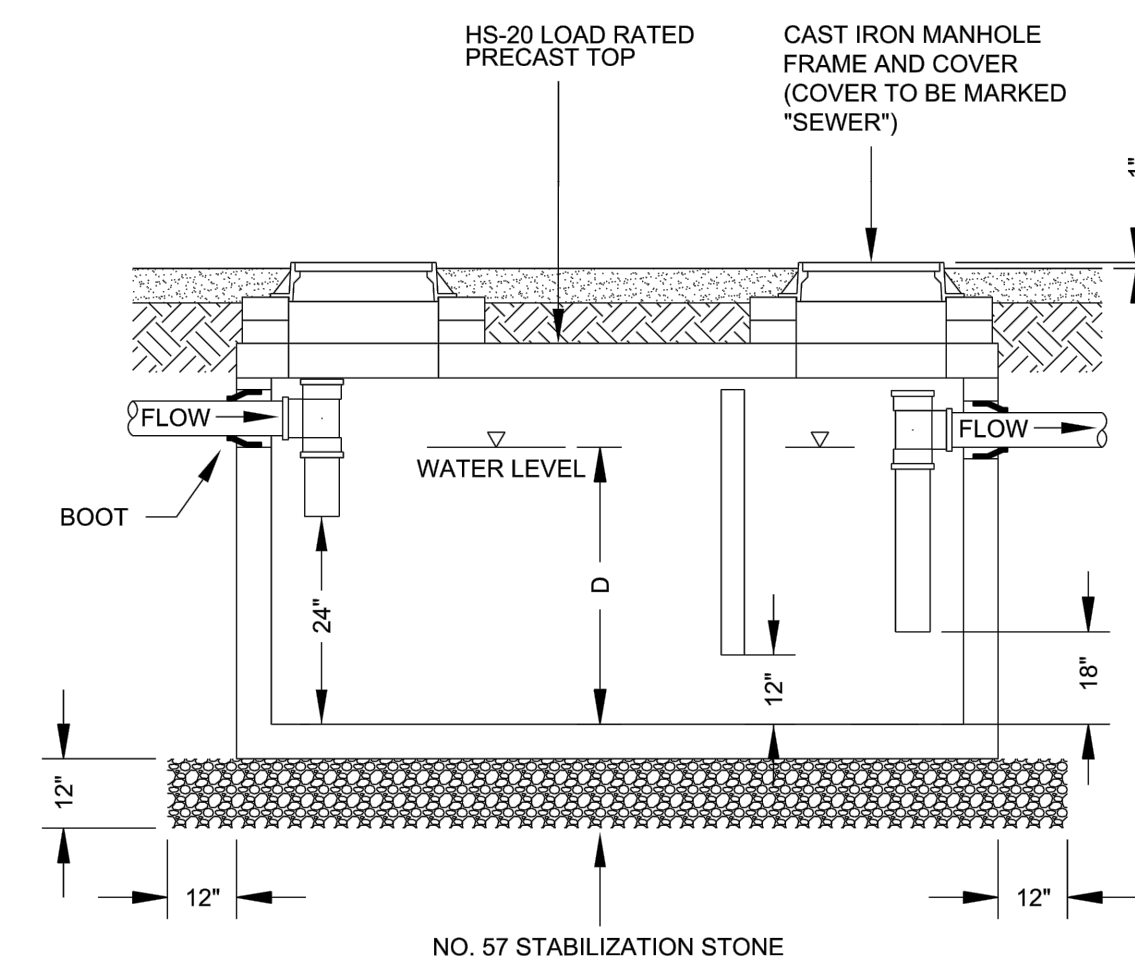
- NOTES:
1. LONGER ANCHOR COUPLINGS MAY BE USED WHEN REQUIRED. IF ANCHOR COUPLINGS ARE NOT USED, VALVE SHALL BE RODDED TO THE TEE AND HYDRANT SHALL BE RODDED TO THE VALVE USING A MINIMUM OF TWO (2) 3/4" THREADED RODS ON EACH CONNECTION.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>TYPICAL FIRE HYDRANT ASSEMBLY</b>	REVISED: 01/31/2018
		SCALE: N.T.S.
		DETAIL NO. <b>W04</b>



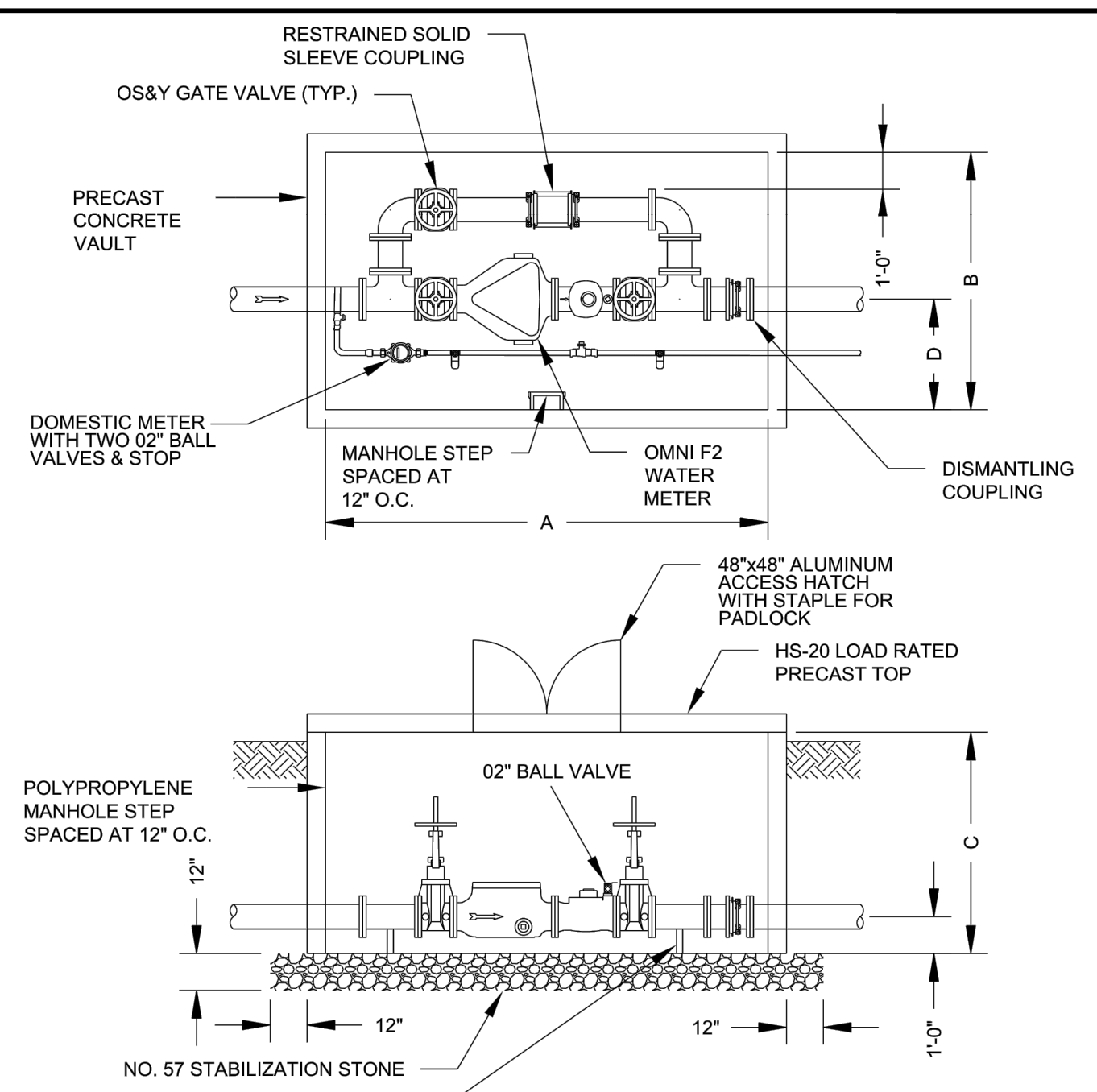
- NOTES:
1. DUCTILE IRON PIPE FOR WATER MAINS SHALL BE BEDDED IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND ANSI/AWWA C151/A21.51, TYPE 2 LAYING CONDITION.
  2. MINIMUM DEPTH OF COVER SHALL BE 4'-0" UNLESS OTHERWISE APPROVED BY HCWA.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>WATER LINE TRENCH DETAIL</b>	REVISED: 9/11/2018
		SCALE: N.T.S.
		DETAIL NO. <b>W02</b>



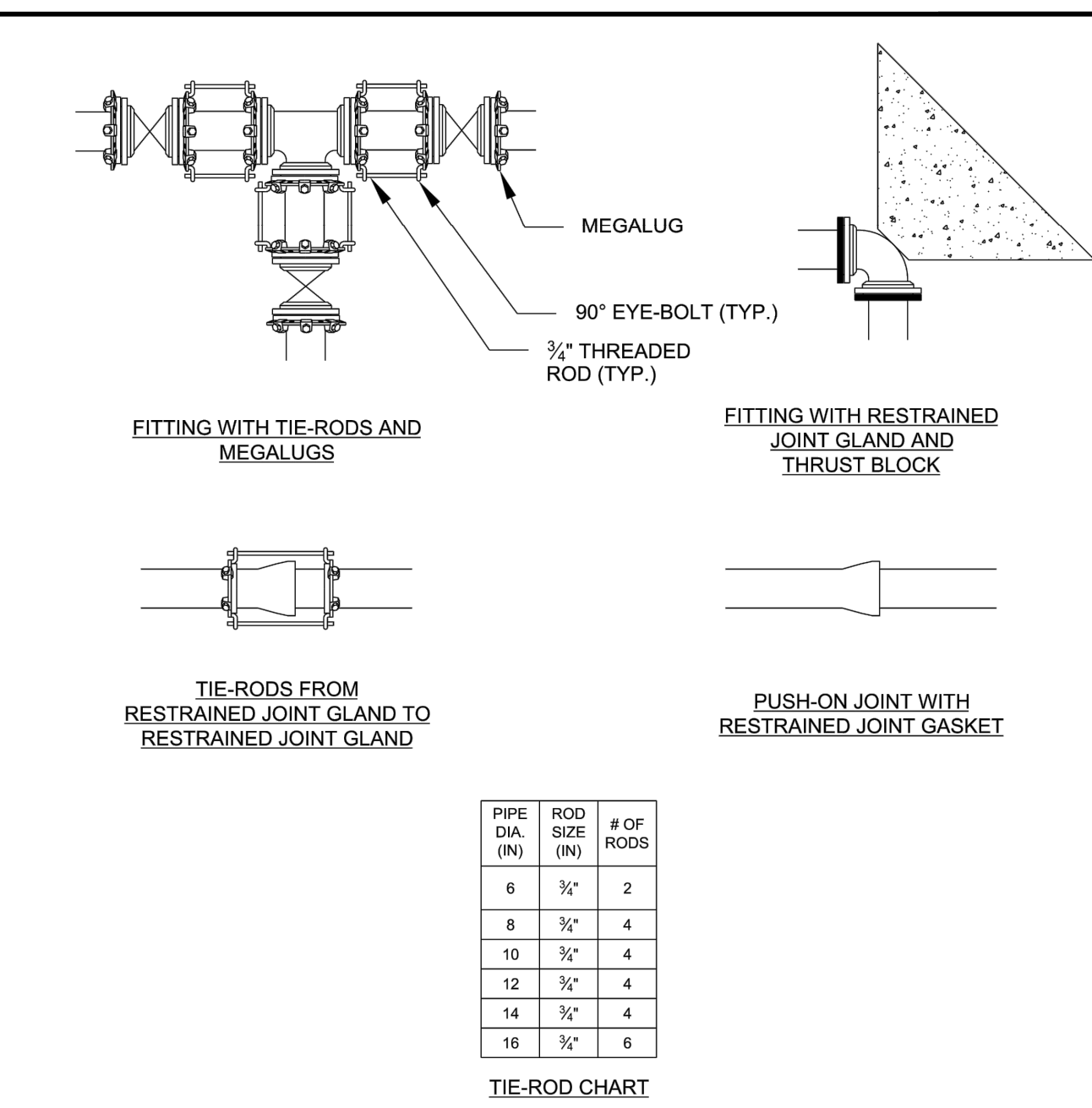
- NOTES:
1. GREASE INTERCEPTOR SHALL HAVE A MINIMUM CAPACITY OF 1,500 GALLONS AND A MAXIMUM CAPACITY OF 3,000 GALLONS. IF REQUIRED CAPACITY IS GREATER THAN 3,000 GALLONS, MULTIPLE GREASE INTERCEPTORS SHALL BE USED.
  2. CONCRETE DESIGN STRENGTH SHALL BE 4,000 PSI @ 28 DAYS.
  3. GREASE INTERCEPTOR SHALL BE HS-20 LOAD RATED.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>GREASE INTERCEPTOR</b>	REVISED: 02/16/2018
		SCALE: N.T.S.
		DETAIL NO. <b>S33</b>



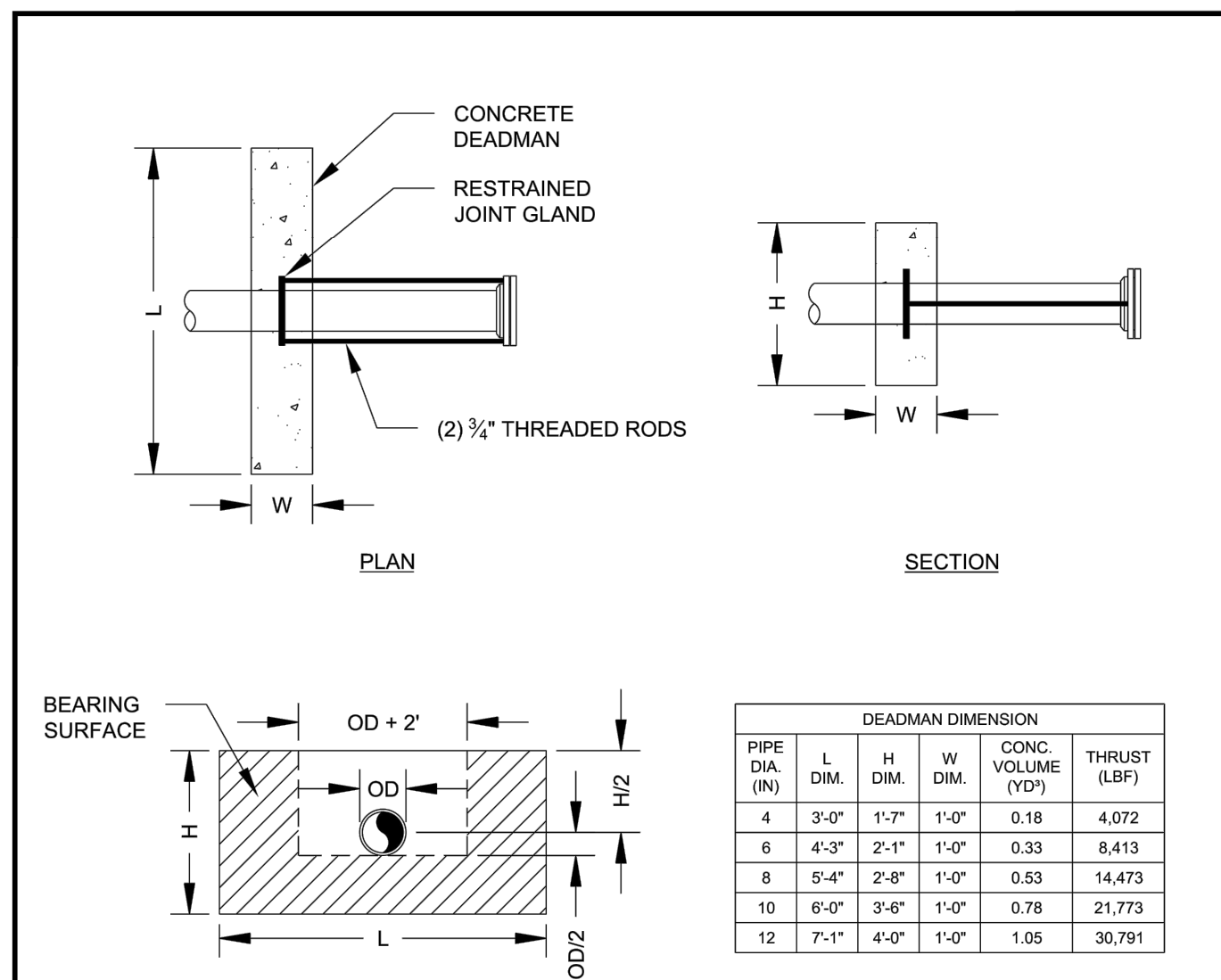
METER SIZE	A	B	C	D
4"	12'-0"	6'-0"	6'-0"	2'-0"
6"	12'-0"	6'-0"	6'-0"	2'-0"
8"	12'-0"	7'-0"	6'-0"	3'-0"

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>4", 6", AND 8" OMNI F2 FIRELINE METER</b>	REVISED: 11/6/2023
		SCALE: N.T.S.
		DETAIL NO. <b>W17</b>



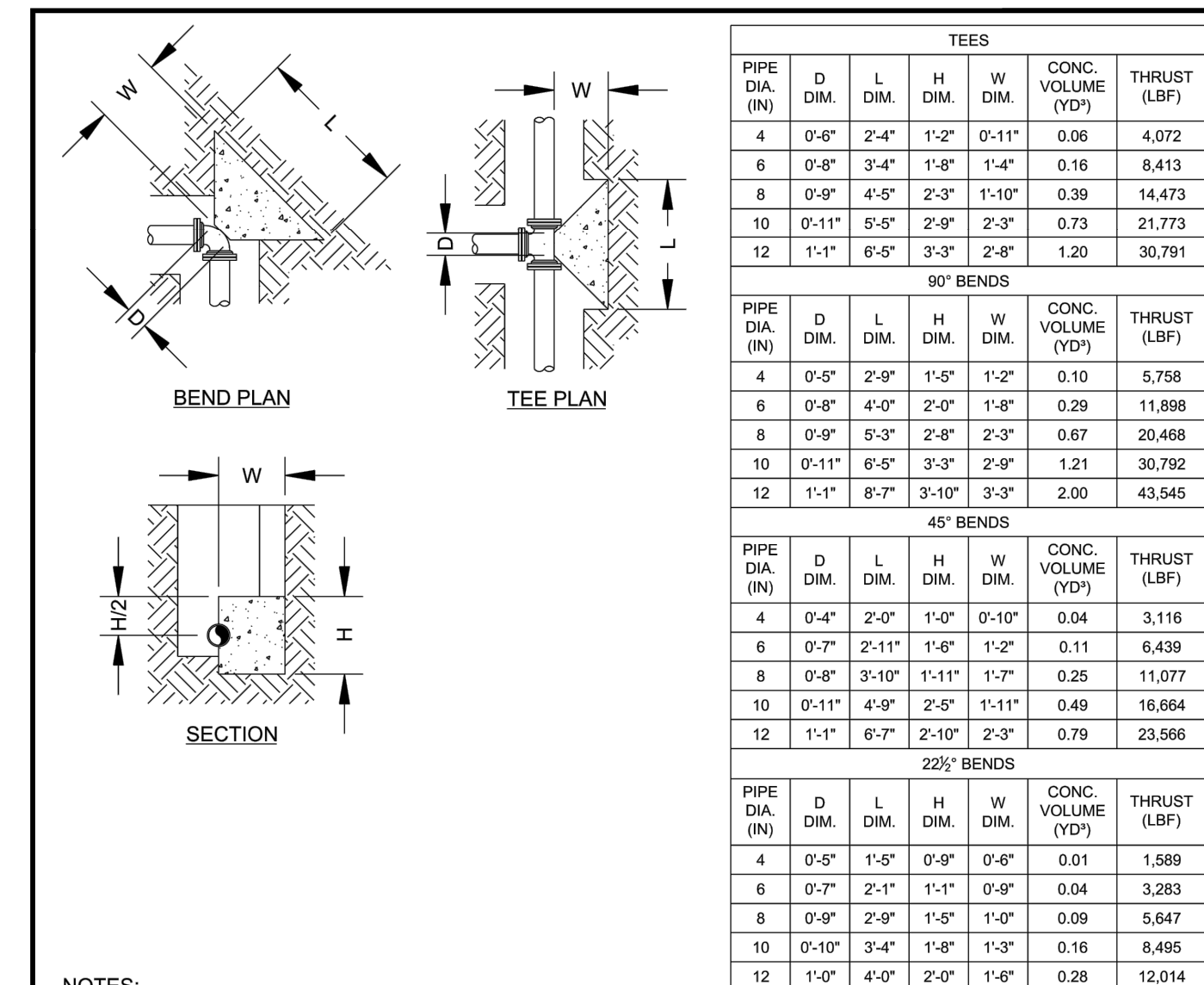
- NOTES:
1. RESTRAINED JOINT LENGTHS SHALL BE CALCULATED BY THE DESIGN ENGINEER. CALCULATIONS SHALL BE SUBMITTED TO HCWA.
  2. THREADED ROD SHALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>THRUST RESTRAINT</b>	REVISED: 02/02/2018
		SCALE: N.T.S.
		DETAIL NO. <b>W13</b>



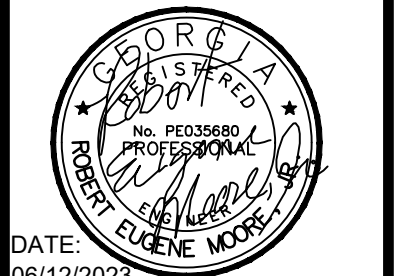
- NOTES:
1. DEADMAN DIMENSIONS ARE BASED ON THE FOLLOWING DESIGN CRITERIA.  
WORKING PRESSURE = 150 PSI  
SOIL BEARING CAPACITY = 1,500 PSF  
SAFETY FACTOR = 1.5  
THESE ARE THE MINIMUM DESIGN CRITERIA. IF ACTUAL WORKING PRESSURE IS GREATER THAN 150 PSI OR IF ACTUAL SOIL BEARING CAPACITY IS LESS THAN 1,500 PSF, DIMENSIONS SHALL BE RECALCULATED.
  2. DEADMAN CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
  3. DEADMAN SHALL BEAR AGAINST UNDISTURBED SOIL.
  4. A MINIMUM 10 MIL PLASTIC SHEET SHALL BE PLACED BETWEEN CONCRETE AND PIPE.
  5. ALL BOLTS SHALL REMAIN ACCESSIBLE. DO NOT COVER WITH CONCRETE.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>CONCRETE DEADMAN</b>	REVISED: 01/31/2018
		SCALE: N.T.S.
		DETAIL NO. <b>W12</b>



- NOTES:
1. THRUST BLOCK DIMENSIONS ARE BASED ON THE FOLLOWING DESIGN CRITERIA.  
WORKING PRESSURE = 150 PSI  
SOIL BEARING CAPACITY = 1,500 PSF  
SAFETY FACTOR = 1.5  
THESE ARE THE MINIMUM DESIGN CRITERIA. IF ACTUAL WORKING PRESSURE IS GREATER THAN 150 PSI OR IF ACTUAL SOIL BEARING CAPACITY IS LESS THAN 1,500 PSF, DIMENSIONS SHALL BE RECALCULATED.
  2. THRUST BLOCK CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
  3. THRUST BLOCK SHALL BEAR AGAINST UNDISTURBED SOIL.
  4. A MINIMUM 10 MIL PLASTIC SHEET SHALL BE PLACED BETWEEN CONCRETE AND PIPE.
  5. ALL BOLTS SHALL REMAIN ACCESSIBLE. DO NOT COVER WITH CONCRETE.

	HENRY COUNTY WATER AUTHORITY	SPEC. DATE: 2023
	<b>CONCRETE THRUST BLOCK</b>	REVISED: 01/01/2018
		SCALE: N.T.S.
		DETAIL NO. <b>W11</b>



DATE: 06/12/2023

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**24 HOUR CONTACT**  
MEHULKUMAR GAJJAR  
404-483-2157

CLIENT:  
HANSA PATEL  
908 DONAGAL DR  
LOCUST GROVE, GA, 30248  
404-483-2157

REVISIONS:

6/21/22	GRADING PLAN
10/21/22	1st LDP SUBMITTAL
10/21/22	1ST GDOT SUBMITTAL
01/30/2023	NEW LAYOUT
02/21/2023	NEW LAYOUT
05/09/2023	2nd LDP SUBMITTAL
05/09/2023	2nd GDOT SUBMITTAL
12/19/2023	3rd GDOT SUBMITTAL
12/19/2023	3rd LDP SUBMITTAL
03/05/2023	4rd LDP SUBMITTAL
03/05/2023	3rd GDOT SUBMITTAL
04/24/2024	6TH GDOT SUBMITTAL
05/21/2024	7TH GDOT SUBMITTAL
12/12/2024	8TH GDOT SUBMITTAL
03/06/2025	5TH LDP SUBMITTAL
07/03/2025	6TH LDP SUBMITTAL