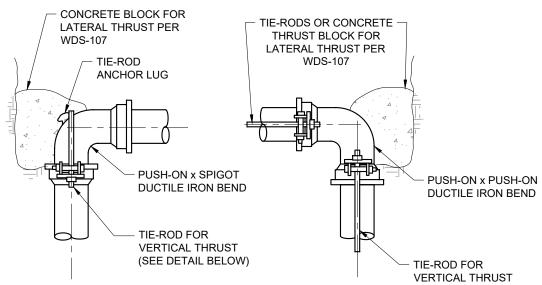
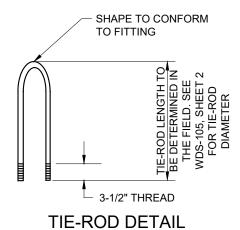


## TIE-ROD THROUGH GATE VALVE



## TIE-ROD AT 90° VERTICAL BEND



## TIE-ROD AND CLAMP INSTALLATION

WDS - 105



RECOMMENDED

Locat Director of Engineering

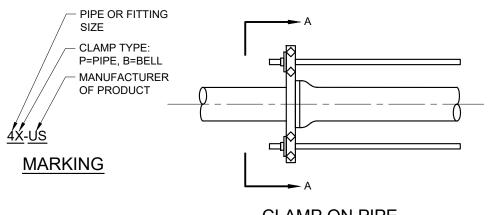
DEPUTY GENERAL MANAGER / CHIÉF ENGINEER

DATE: 02-2020

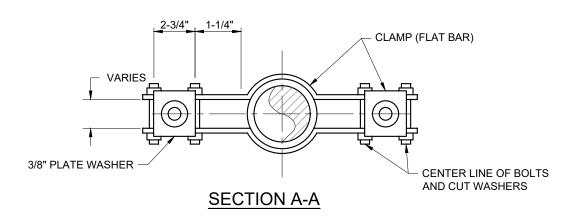
SCALE: N.T.S.

APPROVED

SHEET 1 OF 2







CLAMP SCHEDULE						
PIPE	FLAT	BOLT		WASHERS		TIE-ROD
SIZE (INCHES)	BAR (INCHES)	DIAMETER (INCHES)	MARKING	3/8 INCH PLATE	CUT (INCHES)	DIAMETER (INCHES)
4	2-1/2 x 3/8	5/8	4P-US	4 x 2-1/2	1-3/8 x 9/16	3/4
4	2-1/2 x 3/8	5/8	4B-US	4 x 2-1/2	1-3/8 x 9/16	3/4
6	2-1/2 x 3/8	5/8	6P-US	4 x 2-1/2	1-3/8 x 9/16	3/4
6	2-1/2 x 3/8	5/8	6B-US	4 x 2-1/2	1-3/8 x 9/16	3/4
8	2-1/2 x 3/8	5/8	8P-US	4 x 2-1/2	1-3/8 x 9/16	3/4
8	2-1/2 x 3/8	5/8	8B-US	4 x 2-1/2	1-3/8 x 9/16	3/4
12	3 x 1/2	5/8	12P-US	4-1/2 x 3-1/2	1-3/8 x 9/16	1
12	3 x 1/2	5/8	12B-US	4-1/2 x 2-1/2	1-3/8 x 9/16	1

## NOTES:

- 1. DESIGN BASED ON 188 PSI PRESSURE.
- 2. CLAMPS SHALL BE FABRICATED IN ACCORDANCE WITH WDS-104 FOR DI PIPE AND FITTINGS.
- 3. SEE WDS-107 FOR CONSTRUCTION OF ANCHOR AND THRUST BLOCKS.
- 4. APPLIES TO US PIPE PRODUCTS ONLY.

