PUBLISHED BY APWA/ODOT TO BE USED AS A CITY OF MILWAUKIE STANDARD WITH MILWAUKIE SPECIFIC REQUIREMENTS AS NOTED							
OREGON STANDARD DRAWING NUMBER	OREGON STANDARD DRAWING NAME	MILWAUKIE EXCEPTION TO DRAWING					
RD250	THRUST BLOCKING	NO EXCEPTION TAKEN					
RD262	TYPICAL MAIN DEAD-END BLOWOFF ASSEMBLY	MEGALUG RESTRAINED JOINT					
RD270	COMBINATION AIR RELEASE AIR VACUUM VALVE ASSEMBLY (2" AND SMALLER)	NO EXCEPTION TAKEN					
RD282	WATER SAMPLING STATION	KUPFERLE ECLIPSE 88–SS WITH "CITY OF MILWAUKIE" LOGO CAST INTO ACCESS DOOR					
<u>NOTES:</u> 1. STANDARD DR	AWING PUBLISHED BY APWA/ODOT NOT LISTED MUS	ST NOT BE USED WITHOUT PRIOR					
APPROVAL BY THE PUBLIC WORKS DEPARTMENT							
	CITY OF MILWAUKIE, OREGON -	- PUBLIC WORKS DEPT.					
A	CCEPTABLE OREGON STANDARD D	RAWINGS, WATER					
AP	PROVED Junifo Dallely 03/2024 NO. REVISION 1 NEW DRAWING 2 NOTE CHANGED	IS DATE BY 400					
СІТ	Y ENGINEER DATE						

THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS







\* MEASUREMENTS A-E ARE MINIMUMS AND MUST BE MET FOR APPROVAL.

## NOTES:

ALL SERVICE PIPING WILL BE CHLORINATED AND TESTED TO CITY SPECIFICIATIONS. METER TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR AFTER PIPING IN VAULT HAS PASSED ALL TESTS. METER TO BE COMPOUND BADGER METERS. 3" AND ABOVE MAY ALSO BE SENSUS COMPOUND AND TURBO METERS. REMOTE METERS MUST BE VISIBLE FROM LID HATCH.

- 1. ALL VAULT WALL OPENINGS TO BE SEALED WITH NON-SHRINK GROUT. TOP OF VAULT SHALL BE 1" ABOVE PROPOSED GRADE WITH 2% SLOPE AWAY FROM VAULT. VAULT MUST BE CLEAN AND FREE OF DEBRIS PRIOR TO METER INSTALLATION. INSTALL A MINIMUM OF 3 PIPE SUPPORTS IN VAULT, GRINNELL NO. 264 OR ELCEN NO. 50. INSTALL 4" DRAIN FROM VAULT TO DAYLIGHT OR APPROVED DRYWELL OR STORM DRAIN WITH A BACKWATER CHECK VALVE ACCESSIBLE FROM VAULT. COORDINATE DRAINAGE SYSTEM WITH BACKFLOW DEVICE VAULT INSTALLATION. ALL VAULT DOORS TO BE UTILITY VAULT NO. 3-332P WITH 2 METER LID OPENINGS. VAULT TO BE EQUIPPED WITH AN APPROVED LADDER. IF VAULT DEPTH IS GREATER THAN 6 FT., AN APPROVED EXTENSION LADDER MUST BE INSTALLED.
- 2. SERVICE LINE INTO VAULT MUST HAVE A MINIMUM OF 40 FEET OF RESTRAINED JOINT PIPE BETWEEN DISTRIBUTION WATERLINE AND VAULT. SERVICE LINE INTO VAULT TO BE COMPLETELY BACKFILLED WITH SELECT BACKFILL BETWEEN DISTRIBUTION LINE AND VAULT. PIPE TO BE A MINIMUM OF 12" AND A MAXIMUM OF 48" ABOVE THE FLOOR OF THE VAULT.
- 3. ALL MECHANICAL JOINTS WITH MEGALUG RESTRAINER GLANDS AS SHOWN. PIPE BETWEEN THE TWO TEES MUST BE ONE CONTINUOUS PIECE NO JOINTS.
- 4. ONLY APPROVED RESILIENT SEAT GATE VALVES ARE ALLOWED. ALL VALVES INSIDE VAULTS MUST HAVE HAND WHEELS.

	CITY C	OF MILWAUKIE,	OR	EGON – PUBLIC	WORF	KS	DEPT.
	Water Meter > 2"					DRAWING NO.	
							103
		(711	NO.	REVISIONS	DATE	BY	400
	Lend	of Darbely	1	DRAWING NUMBER AND TITLE CHANGED	11/13	AJR	
(and)	03	03/2024	2	NOTES ADDED TO SHEET	11/18	TAP	]
	CITY ENGINEER	DATE	3	NOTES CHANGED	08/19	TAP	



## NOTES:

- 1. WATER MAIN MUST BE CLEANED BEFORE ATTACHING SLEEVE.
- 2. SLEEVE AND VALVE MUST BE PRESSURE TESTED BEFORE MAKING TAP. PRESSURE TEST AND TAP TO BE MADE IN THE PRESENCE OF AN AUTHORIZED CITY REPRESENTATIVE. PROPER TAPPING MACHINE MUST BE USED TO MAKE TAP AND TAP TO BE MADE NO CLOSER THAN 18 INCHES FROM THE NEAREST JOINT.
- 3. THRUST BLOCKING REQUIREMENTS TO BE DETERMINED BY OSSC DRAWING RD250.
- 4. SLEEVE AND VALVE TO BE WRAPPED IN 8 MIL PLASTIC.
- 5. SLEEVES TO BE USED ARE JCM OR MUELLER STAINLESS STEEL TAPPING SLEEVES. SLEEVE TO BE AS LEVEL AS POSSIBLE.
- 6. ALL NUTS AND BOLTS TO BE STAINLESS STEEL. ALL BOLTS TO HAVE NEVER-SEIZE ON THREADS.
- 7. FOR TAPS SMALLER THAN 2.5", SEE MILWAUKIE STANDARD DETAILS 401 AND 402.

(install	CITY	OF MILWAUKI	E,	OF	EGON - PUBLIC V	VORI	KS	DEPT.
	Wet Tap 2.5 Inch and Larger				DRAWING NO.			
		-						404
	APPROVED	N. (710)		NO.	REVISIONS	DATE	BY	_ <del></del>
	Junifo Darten 03/2024	3	ADDED THRUST BLOCK	12/14	AJR			
		4	DRAWING NUMBER CHANGED, NOTES REVISED	11/18	TAP			
	CITY ENGINEER	DATE		5	TITLE AND NOTE CHANGED	08/19	TAP	



