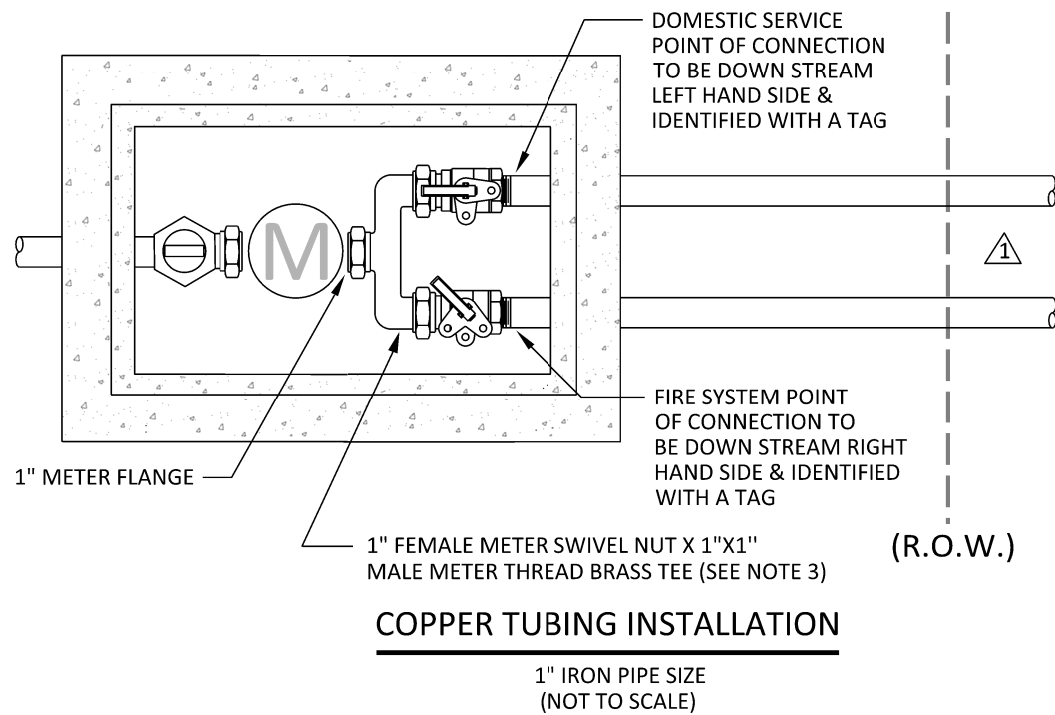


NOTES: ⚠️ ⚠️ ⚠️

- ALL FITTINGS BETWEEN AND INCLUDING CORPORATION STOP AND GATE VALVE SHALL:
 - BE MADE OF BRASS OR BRONZE;
 - BE OF THE Banded PATTERN;
 - BE DESIGNED FOR A MIN OF 175 PSI (COLD WATER) WORKING PRESSURE.
 - BE LEAD FREE;
- PRESSURE TEST PRIOR TO WRAPPING OR BACKFILLING.
- ALL LISTED MATERIALS TO BE USED PER EMWD APPROVED MATERIAL LIST.
- CORPORATION STOP & FITTINGS AT PIPELINE SHALL BE PRIMED AND WRAPPED WITH APPROVED COAL TAR RESIN TAPE.
- ALL SERVICE PIPE & TUBING SHALL BE LAID ON A CONSTANT SLOPE UP FROM WATER MAIN TO METER. NO DIPS OR POCKETS WILL BE PERMITTED. 36" COVER AT GAS MAIN CROSSINGS.
- THREAD NOTATION SHOWN THUS:
 - IP = IRON PIPE THREAD;
 - CS = CORPORATION STOP (MUELLER) THREAD;
 - PJ = PACK JOINT.
- METER BOX SHALL BE EMWD APPROVED 17" X 28" COMPLETE WITH COVER, LID & BASE WITH KNOCKOUTS (SEE NOTE 10 FOR SIDEWALK INSTALLATION). UPON EMWD ACCEPTANCE THE METER BOX WILL BE THE PROPERTY OF EMWD.
- WHEN METER IS FURNISHED BY OTHERS, USE METER MANUFACTURERS SPECIFICATIONS FOR METER LAY LENGTH SPACING. SEE EMWD APPROVED MATERIAL LIST FOR APPROVED METERS. ANGLE METER STOP SHALL BE LOCKED CLOSED BY EMWD INSPECTIONS DEPT.
- METER PORT HOLES CENTER TO BE INSTALLED 9-3/4" BELOW TOP OF METER BOX.
- WHEN INSTALLED IN CONCRETE (SIDEWALK) USE EMWD APPROVE 17" X 30" METER BOX COMPLETE WITH COVER AND LID.
- SERVICES THAT REQUIRE BACKFLOW PROTECTION FOR ONSITE HAZARDS PER EMWD ADMIN CODE SHALL BE PER B-597.
- FIRE SYSTEM CUSTOMER SERVICE VALVE SHALL BE SECURED IN THE OPEN POSITION BY AN EMWD APPROVED DEVICE.
- JUMPER ASSEMBLY USED FOR THE CONSTRUCTION OF THE METER SERVICE SHALL BE; MADE OF SCHEDULE 80 PVC AND HAVE ALL PVC FITTINGS SOLVENT WELDED, MEET METER MANUFACTURES SPECIFICATIONS FOR METER INSTALLATION, JUMPER TO BE PAINTED BLUE (POTABLE JUMPERS ARE NOT TO BE USED FOR RECYCLED WATER)
- FOR 1" METER INSTALLATION, USE A 1 1/2" X 1" OR 2" X 1" COPPER SWEAT REDUCER WITH A 1" METER ANGLE STOP. COPPER SERVICE LATERAL TO BE REDUCED TO 1" COPPER AFTER THE 90° TRANSITION. SEE MANUFACTURER'S SPECIFICATIONS FOR METER INSTALLATION.
- SYSTEMS WITH ONSITE PUMPS SHALL NOT EXCEED 5 FPS VELOCITY WITHIN THE SERVICE LATERAL. SYSTEMS WITHOUT PUMPS, SHALL NOT EXCEED 10 FPS. (SEE B-342A) FOR SINGLE FAMILY RESIDENTIAL UNITS, ENGINEER TO VERIFY THE ADEQUACY OF THE SERVICE LATERAL SIZE TO ALLOW FOR OPERATION OF RESIDENTIAL FIRE SPRINKLER SYSTEM. FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS, SERVICE LATERAL SIZE WILL BE BASED ON VELOCITIES BEING UNDER 10 FT/S.
- CONTRACTOR SHALL RETURN AFTER ROAD SHOULDER OR PARKWAY IS COMPLETE TO INSTALL METER BOX, AND SHALL BE RESPONSIBLE FOR COORDINATING WORK OF OTHER CONTRACTORS FOR SAFEGUARDING SERVICES UNTIL METER BOXES ARE SET.


FLOW RATE TABLE ⚠️

LATERAL SIZE	METER SIZE	FLOW RATE (GPM)	VELOCITY (ft/s)	APPLICATION	METER LENGTH
1" COPPER	1" MULTIJET	30	12.38	SINGLE FAMILY RESIDENTIAL UNITS	10 3/4"
1 1/2" COPPER	1" MULTIJET	30	5.60	SINGLE FAMILY RESIDENTIAL UNITS	10 3/4"



PLACEMENT OF METER BOX

- PLACE FRONT EDGE OF METER BOX 6" MAX BEHIND EXISTING OR PROPOSED 6' OR 8' SIDEWALKS.
- WHEN PROPOSED OR EXISTING SIDEWALK IS 12' WIDE PLACE FRONT EDGE OF METER BOX 1.5' MAX BEHIND CURB USING APPROPRIATE METER BOX.
- WHEN NO SIDEWALKS IS PROPOSED PLACE FRONT EDGE OF METER BOX 6.5' BEHIND CURB FACE.
- WHEN NO CURBS ARE EXISTING OR TO BEING INSTALLED UPON COMPLETION OF THE WATER SYSTEM PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.
- ADJOINING LOT METER BOXES SHALL BE PLACED TOGETHER AT PROPERTY LINE.
- WHEN INSTALLED IN CONCRETE (SIDEWALK) USE EMWD APPROVED 17" x 30" METER BOX COMPLETE WITH COVER AND LID.
- A MINIMUM 5' SEPARATION IS TO BE MAINTAINED BETWEEN THE SEWER LATERAL, WATER SERVICE AND RECYCLED WATER SERVICE.

REVISIONS						APPROVALS			EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING		
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE		INITIAL	DATE			
5	4/6/22	GS	REVISED NOTES, ADDED METER DATA TABLE & REMOVED CONDUIT DETAIL	AG	4/6/22	DESIGN					
4	5/3/19	GS	UPDATE TITLE BLOCK, FONT, LOGO, AND CONNECTION CALL OUT	AGA	5/3/19	CONSTRUCTION					
3	4/19/12	GS	REVISED ELECTRICAL CONDUIT TO 1 1/2"	VJB	4/20/12	INSPECTION	JEW	3/11/11			
2	10/21/11	GS	ADDED NOTE 13 AND ELECTRICAL CONDUIT DETAIL	SMM	10/26/11	OPERATIONS	KG	3/11/11			
						SUBMITTED	VJB	3/11/11			
REFERENCES:				SCALE: NONE		RECOMMENDED		Joe Mouawad DIRECTOR OF ENGINEERING 3/15/11 DATE		APPROVED Charlie J. Bachmann ASSISTANT GENERAL MANAGER 3/14/11 DATE	B-965
FILE I.D.:				DRAWN BY: GS							