

GENERAL NOTES:

1. THIS DETAIL SHALL BE USED IN CONJUNCTION WITH DETAILS 602, 603, 604, 605A, AND 605B.
2. DETAILS 601 THROUGH 605B APPLY ONLY TO WATER SERVICE CONNECTIONS 2" OR SMALLER. FOR CONNECTIONS LARGER THAN 2", REFER TO APPLICABLE STANDARDS AND DETAILS.
3. ONLY DISTRICT CREWS SHALL PERFORM WORK ON, OR MAKE MODIFICATIONS TO, THE ACTIVE WATER SYSTEM, UNLESS OTHERWISE APPROVED. DISTRICT SHALL INSTALL ALL METERS.
4. CONTRACTOR SHALL INSTALL SERVICE LINES, METER BOXES/VAULTS AND ASSOCIATED HARDWARE FOR NEW WATER IMPROVEMENTS.
5. CARE MUST BE TAKEN TO PROTECT INSTALLED WATER SERVICE LINES DURING SUBSEQUENT UTILITY INSTALLATIONS. ANY DISCOVERED DAMAGES WILL BE REPAIRED BY THE DISTRICT, AT THE DEVELOPER'S EXPENSE.

MATERIAL NOTES:

1. REFER TO PARTS LIST TABLE BELOW FOR ALLOWABLE PARTS WHEN CONSTRUCTING WATER SERVICE CONNECTIONS 2" OR SMALLER. REFER TO DETAIL 605B FOR ALLOWABLE METER BOXES AND LIDS.
2. COPPER TUBING SHALL BE TYPE K, SOFT, SEAMLESS, ANNEALED, CONFORMING TO ASTM B88. TUBING MUST BE AMERICAN OR CANADIAN MADE.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PERFORM TAPS 2" OR SMALLER. TAPS LARGER THAN 2" SHALL BE PERFORMED BY DISTRICT-AUTHORIZED COMPANIES.
2. FOR CORPORATION STOP AND TAPPING SADDLE SPACING REQUIREMENTS, REFER TO DETAIL 602.
3. MINIMUM BENDING RADIUS FOR TYPE K SOFT COPPER IS 12". SERVICE LINES SHALL BE CONTINUOUS WITH NO CRIMPS OR KINKS. STRAIGHT COMPRESSION COUPLINGS MAY BE USED WITH PRIOR DISTRICT APPROVAL.
4. SERVICE LINES SHALL EXTEND PERPENDICULAR FROM THE MAINLINE TO THE ANGLE METER STOP OR U-BRANCH UNLESS OTHERWISE SHOWN.
5. LINE SIZE x 2" TEES (MJ x FIPT) SHALL BE USED FOR 1.5" AND 2" SERVICES ON NEW WATER IMPROVEMENTS. TAPPING SADDLES MAY ONLY BE USED WITH PRIOR DISTRICT APPROVAL.
6. COMPRESSION FITTINGS: CUT THE PIPE END STRAIGHT, CHAMFER AND CLEAN PRIOR TO INSERTING INTO THE FITTING. TIGHTEN THE COMPRESSION NUT UNTIL IT MAKES METAL-TO-METAL CONTACT WITH THE MACHINE SHOULDER OF THE STOP OR FITTING.

PARTS LIST TABLE (CATEGORIZED BY SERVICE LINE SIZE AND PART TYPE)

	1"	1" WITH U-BRANCH	1-1/2"	2"
CORPORATION STOP	FORD FB1000-4-Q-NL (CC x COMP) MUELLER N-25008N (CC x COMP) AY MCDONALD 74701BQ (CC x COMP)	FORD FB1000-4-Q-NL (CC x COMP) MUELLER N-25008N (CC x COMP) AY MCDONALD 74701BQ (CC x COMP)	-	-
TAPPING SADDLE	ROMAC 202NS ¹ SMITH-BLAIR 317 ¹ (MAINLINE SIZE x 1" FIPT)		ROMAC 202NS SMITH-BLAIR 317 (MAINLINE SIZE x 2" FIPT)	
ANGLE METER STOP (AMS)	MUELLER B-24258N (COMP x METER SWIVEL) FORD BA43-444W-Q-NL (COMP x METER SWIVEL)	MUELLER B-24265N (FIPT x SWIVEL NUT)	-	-
METER SETTER	-	-	FORD VBB76-86-12HB-11-66-NL AY MCDONALD 739R612WWFF 665 MUELLER B-2429N (12" RISER)	FORD VBB77-87-15HB-11-77-NL AY MCDONALD 739R715WWFF 776 MUELLER B-2429N (15" RISER)
U-BRANCH	-	AY MCDONALD 708UQM 1" x 1" x 18" (COMP x MIPT)	-	-
COMP FITTINGS ² (STRAIGHT)	MUELLER H-15403N FORD C44-44-Q-NL	MUELLER H-15403N FORD C44-44-Q-NL	MUELLER H-15403N FORD C44-66-Q-NL	MUELLER H-15403N FORD C44-77-Q-NL
COMP FITTINGS (QUARTER BEND)	-	-	MUELLER H-15526N FORD L44-66-Q-NL	MUELLER H-15526N FORD L44-77-Q-NL

¹ REQUIRED WHEN TAPPING 4" MAINLINE. USE FORD FB1100-4-Q-NL (MIPT X COMP) CORPORATION STOP.

² COPPER TUBING SHALL BE INSTALLED WITHOUT STRAIGHT COUPLERS, UNLESS OTHERWISE APPROVED BY DISTRICT.



**TUALATIN VALLEY
WATER DISTRICT**

APPROVED BY
PETER BOONE

DRAWING SCALE
NONE

WATER SERVICE CONNECTION:
GENERAL NOTES

EFF. DATE 07/01/24

STANDARD DETAIL

601