

Additional Accessory Building

For all new water service connections, a single water service line may serve a main building and an accessory building, such as a garage, workshop, guesthouse, art studio, etc. A guesthouse is considered an accessory dwelling.

If a parcel includes more than one building with a shared water service and that parcel is later subdivided such that the buildings so served are on separate parcels, each building will require a separate water service line. The water service lines must be arranged that each separate service line is controlled by a separate curb cock, which curb cock shall be placed near the line of the street right-of-way.

When an accessory building is to be connected to an existing service line, two curb cocks shall be installed such that each building served can be shutoff independently. In that instance, the curb cocks can be placed inside the private property provided there is an existing curb cock near the right-of-way. Each building shall be metered, either separately or with a single meter installed ahead of the connection point of the accessory building. In all cases, the curb cock shall be placed within a visible and accessible curb box meeting Missoula Water specifications.

**1345 W. Broadway
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Missoula Water

New Water Service Contractor Information



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NEW WATER SERVICE

Establishing an Account

After the tap agreement is filled out, the contractor or customer will be signed into the account. That company or individual is responsible for any usage on the meter after the account becomes active until the new owner signs up for service. Contractors should encourage new owners to contact Missoula Water as soon as possible after the house is purchased to transfer the account and request a meter to be installed.

Connection to an existing water main requires the following:

Tap Agreement & Fees

A street address is required for all new taps. For multiple units in one building, one address is required for each separate tap application. The building permit paperwork is required before completing a tap application.

A minimum of 48 hour’s notice to Missoula Water is necessary to allow time to obtain material and scheduling for the tap.

A tap fee will be necessary for each individual tap. The fee must be paid and a tap agreement filled out by either the contractor, developer or owner. A contractor must be hired to install the service line and prepare for the tap. Missoula Water will perform the tap.

Tap Connection Fees

	2”-12” Main	14”-24” Main
1”	\$385	\$520
2”	\$570	\$770
4”	\$1,265	\$1,710
6”	\$1,450	\$1,960
8”	\$1,700	\$2,295
10”	\$2,060	\$2,780
12”	\$2,835	\$3,830

The tap connection fee is nonrefundable and covers the cost of Missoula Water’s labor and the parts needed. If any modifications are made to the tap size, it may result in additional fees. There is an additional charge of \$900.00 for any size on size tap connection.

The contractor is responsible for providing a job site that meets all local, state, and federal laws, statutes and regulations and must also perform all work in accordance with Missoula Water’s specifications.

Job Site Requirements for Taps

Requirements for a tap on the Missoula Water system:

1. Traffic control that meets statutory requirements and has been approved by the City Engineering Department.
2. Appropriate trench protective system (trench box, shielding, or sloping) that is adequate for the job, minimum width 4’.
3. Box must have approved end panels.
4. Engineering document that the trench box has been certified.
5. An approved ladder that extends 3’ above the trench box and ditch bank and meets OSHA requirements.
6. Trench box cannot be placed on water main or other utility pipes.
7. A ramp—if there will be more than 12” between box and/or ditch bank.
8. No equipment running on job site while tap is being done.
9. All materials at the job site, including pipe bedding for Missoula Water pipe.
10. For multiple taps, required distance between taps must be: 12” on steel/ductile and 18” on PVC.
11. The curb box must be installed and ready for review for adherence to Missoula Water specifications.

These specific requirements do not relieve the contractor from following all other laws, regulations or statutes not specifically mentioned. Drawings can be found in the tap agreement packet and online.

Service Line & Curb Box Information

Missoula Water's specifications require that the service line be 6' deep to top of pipe, with trace wire and the curb box in the ditch and exposed for inspection prior to the time of the tap. The service line and main must be bedded and back filled according to specifications. Service line must be minimum of 1" in diameter.

The curb box must be located within 2' outside the property line and 2' inside the property line. Curb boxes or meter pits may not be located in the sidewalk.

If no sidewalk exists, contact Missoula City Engineering Office to determine any future sidewalk position and place the curb box accordingly.

Meter Pits

Meter pits are required on all new residential services. Costs are the responsibility of the customer or developer. It is the responsibility of the contractor installing the service line to install the pit. Missoula Water personnel will inspect the pit installation and install the meter. Leave a clear area around the meter pit of a minimum 4' radius to allow access for maintenance. **Meter pits must not be buried nor access obstructed by fences or landscaping materials.** Any meter larger than 1" will require a Missoula Water approved concrete pit or be installed at an approved inside location.

Meter pits can be bought locally at Mountain Supply Company, Core & Main, United Pipe and Supply, and Northwest Pipe and Supply. These distributors are aware of which configuration meets Missoula Water's requirements and conforms to the standard drawing.

Commercial or Apartment Meter Sites

Any apartment or apartment complex that will need a 1 1/2" or larger meter, must install the meter in a readily accessible location inside the building. Meters for commercial buildings will be installed inside the building regardless of size and must be in an accessible location. Meters cannot be installed in a crawl space. Bypass will be required on any 1 1/2" and larger meter. If the meter can't be installed in a readily accessible location inside, it must be installed in a Missoula Water approved meter pit. A bypass will be required in this pit also. See Backflow information.

Irrigation Meter Sites

Meters for irrigation can be installed inside the building or in meter pits provided they meet Missoula Water requirements. These requirements are the same as for commercial meters except no bypass is required.

Fire Lines

A separate tap should be provided at the main for the fire line. Exceptions may be allowed with written permission of the fire marshal for existing lines, if calculations show that a single line can accommodate peak fire and domestic flows simultaneously. The domestic and fire line must each have a separate accessible shut off outside the building.

BACKFLOW DEVICES

If the requested tap is to serve commercial property, an approved, properly installed, backflow prevention assembly must be installed on each potable line serving the property. If the requested tap is to serve an existing house or building, Missoula Water must inspect the property to determine if a private well or other auxiliary water supply is located on the property. Missoula Water must also perform an inspection if the tap is to serve a property, either new or existing, on which a private well or auxiliary water supply is planned to be installed. If

there is to be a private well or other source of water in addition to the Missoula Water potable supply, state law requires that an approved backflow prevention assembly be installed on each line serving the property.

Backflow Prevention Requirements

Missoula Water requires commercial accounts (including multiple family dwellings—4-plex or larger) install an approved and properly installed reduced pressure principle backflow prevention assembly on the service to the property. The installation specifications for a reduced pressure assembly are as follows:

1. The assembly must be on the approved assembly list (email Travis Rice at Missoula Water for info on which assemblies are approved for installation.)
2. The assembly must be installed above grade with provisions for drainage to atmosphere. **Backflow assembly may not be installed in crawl spaces or any other confined space.**
3. The assembly must be protected from freezing.
4. The assembly shall be installed as close to the service connection as possible with no taps, hose bibs, or connections ahead of backflow assembly.
5. The assembly must be down stream of the water meter.
6. The assembly must be horizontal and level unless approved for other orientation(s) (email Travis Rice for orientation approvals.)
7. The assembly must be tested annually by a certified backflow assembly tester.
8. Onsite thermal expansion control must be installed as needed.
9. The assembly must be supported as needed.

10. All premises (both commercial and residential) having multiple services must have each service protected by an approved and properly installed backflow prevention assembly.
11. Assembly must be installed at least 1 ft. and no more than 5 ft. from floor. If assembly is more than 5 ft. from floor, a permanent platform must be installed to facilitate testing and repairs.
12. All residential fire sprinkler systems that require antifreeze are required to install a reduced pressure assembly.
13. All properties on which there are auxiliary supplies of water (i.e. private wells, ditches, etc.) must either have an approved properly installed backflow prevention assembly on all potable services or the private well must be abandoned per DNRC specifications.

Also, all services (both residential and commercial) serving underground irrigation systems must be protected by an approved and properly installed backflow prevention assembly. Email Travis Rice at Missoula Water for applications and installation requirements.

waterbackflow@ci.missoula.mt.us

More information about Missoula Water's requirements can be found:

Online

<https://www.ci.missoula.mt.us/2101/ContractorEngineers-Information>

Main Office

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