

## SECTION 6 – SERVICE CONNECTIONS

### 6.1 General Provisions and Conditions

It is the intention of these Service Rules that all water delivered through a service connection will be metered and billed. The use of idlers and spacers to deliver water is prohibited. Connection charges and payment for all water used from the time of initial service installation shall be the responsibility of the Applicant. In addition, the installation of a backflow prevention assembly may be required.

The BBWD, reserves the right to determine the size of the service connection to be installed. The minimum lateral pipe size shall be one (1) inch. For new service connections greater than one (1) inch, the lateral pipe shall be the same size as the meter. No service connection shall be approved of a size larger than can be supplied by the main without adversely affecting service to other customers.

The minimum sizing standard for meters will be five-eighths ( $\frac{5}{8}$ " ) inch.

In the event an existing main is determined to be inadequate to meet the requirements of an Applicant and a main extension will provide for those requirements, provisions of these Service Rules applying to main extensions will be followed.

Whenever two mains are available from which service can be provided, the BBWD shall, at its option, determine which main will be made available for that service connection.

Plans acceptable to the BBWD are required for all service connections except individual residential service connections under two (2) inches in diameter to be installed by BBWD. Water plans shall be prepared by a Nevada Registered Professional Engineer for review by the BBWD for conformance to BBWD construction standards, as stipulated in Section 9. However, the review is neither an indication that a property right in water is or will be granted, nor shall evidence of review be construed as a preference for obtaining a commitment. It is the Applicant's responsibility to obtain development approval along with other commitment requirements specified in these Service Rules.

In the event the authority having jurisdiction over the right-of-way within which the service connection will be installed requires a permit for such installation, the BBWD will make application for such permit for work to be performed by the BBWD and for water facilities installed by a private contractor that are located within Nevada Department of Transportation right-of-way. Any fees or charges associated with such application will be borne by the Applicant. Should such permit not be issued to the BBWD by the authority having jurisdiction the Applicant shall be so notified in writing. The Applicant may then make application for such permit to the authority having jurisdiction, or may request the return of all fees, charges, and deposits paid. If the Applicant chooses the latter option, the BBWD shall not be required to provide service. If the Applicant is unable to obtain the required permit, the BBWD has no obligation to provide service and shall return all fees, charges, and deposits paid.

### 6.2 Location

Service connections shall be installed at nominal right angles to a main. The point of connection shall not be within a street intersection nor shall any portion of the service

connection be within the paved intersection. The meter location shall be directly adjacent to the parcel being served within the public right-of-way. In the event street right-of-way is not available, the BBWD may approve installation within an easement or alley adjacent to or on the parcel to be served. The service connection shall comply with the current UDACS. All meters shall be located outside of areas where access by BBWD personnel for operation and maintenance may be restricted.

In alleys or easements, meters shall be located at a point as close as practicable to the parcel line adjacent to the main. All meters shall be located outside of driveways and other areas where access by BBWD personnel for operation and maintenance may be restricted.

The meter vault shall be located outside of travel lanes and driveways and shall be protected from vehicular traffic, as determined by the BBWD. If the Applicant feels extraordinary conditions exist that would prevent compliance with this requirement, they may submit to the BBWD a written request for a waiver of this requirement at the time the water plan is submitted for review.

### 6.3 Composition

Specifications for materials, appurtenances, and construction techniques for service connections are determined and approved solely by BBWD. For further information, refer to <https://www.lvvwd.com/apps/approved-products/index.cfm>.

A standard service connection shall be comprised of a service lateral from the point of connection to the main, to and including a meter or battery thereof, and meter box or vault.

### 6.4 Installation

The property owner shall be responsible for payment to the BBWD of all applicable fees, charges, and deposits in effect at the time the application is made. Service connections may be installed by the BBWD. Service connections installed by the Applicant shall comply with the requirements of these Service Rules.

(a)  $\frac{5}{8}$ " through 2" meters

Service connections include meters be installed by a properly licensed contractor in the State of Nevada, subject to inspection and acceptance by the BBWD and in accordance with the UDACS. Tapping of a main will be permitted only in the presence of a representative of the BBWD. The BBWD will provide meters according to the current rate schedule.

(b) Meters larger than 2"

Service connections including meters shall be installed by a properly licensed contractor in the State of Nevada, subject to inspection and acceptance by the BBWD, and in accordance with UDACS. Tapping of a main will be permitted only in the presence of a representative of the BBWD.

(c) The BBWD may install service installations and will assess the charges provided in the current rate schedule.

## 6.5 Ownership

Service connections, including laterals, boxes, meters and other appurtenances shall be dedicated to the BBWD, which will be responsible for the maintenance and repair of such facilities, subject to any agreements covering the installation of such facilities. All pipe and fittings on the customer's side of the meter shall be the responsibility of the property owner. Guarantees and warranties shall apply to all facilities dedicated to the Big Bend Water District according to the UDACS.

## 6.6 Private Fire Service

Private fire service shall be equipped with a BBWD approved double check detector assembly (DCDA), or a Reduced Pressure Detector Assembly (RPDA), per NAC 445A and such service use is restricted to standby fire protection and mandatory testing.

## 6.7 Combined Service

Combined service shall be equipped with a meter of a type approved by the BBWD.

## 6.8 Temporary Service

The BBWD may authorize a temporary service connection when the applicant's property is not adjacent to a water main. As a condition to installation of a temporary service, the applicant is required to submit construction plans and a data sheet for a main extension, and construction must commence within ninety (90) days. If construction stops for ninety (90) days, then the project will be considered abandoned, and the BBWD will disconnect the temporary service.

## 6.9 Emergency Service

Emergency service shall be authorized for limited periods of time when the usual source of supply fails or is declared to be potentially harmful or in other circumstances that endanger health and property. Connections may be provided, at the discretion of the BBWD, to a fire hydrant or any available outlet from BBWD facilities and shall conform to the requirements of these Service Rules. The applicant shall pay all installation costs, applicable fees, charges, bills, and deposits and shall make application for a main extension in accordance with these Service Rules.

All emergency services shall be limited to a maximum of sixty calendar days. Should the need for the emergency service extend beyond sixty (60) calendar days, the Applicant shall apply to the BBWD for a time extension. The emergency service may be extended by the General Manager until such time as the application can be brought to a regularly scheduled meeting of the Board.

In the event that the emergency service will provide water to multiple users, a deposit shall be submitted that shall include an amount for an estimated thirty (30) calendar days of consumption including service charges for each unit of property to be served. A single monthly bill shall be issued to the Applicant, who will be responsible for payment.

**6.10 Non-Standard Service**

Non-Standard service may be authorized when, in the opinion of the BBWD, a main extension will never be necessary for orderly development of the system, fire protection, service to other property, or other reasons. On-site piping from the meter or shut-off valve to the customer shall not be located within a public thoroughfare. A copy of the recorded easement to the BBWD over private property for the service lateral shall be provided to the BBWD.

**6.11 Metering Requirements for New Developments**

- a It is the intent of the BBWD to separately meter all services for each dwelling unit, public, quasi-public, commercial, and/or industrial occupancy. Inter-connection(s) are not allowed that include, but are not limited to, expansion of on-site systems to serve adjacent parcels. However, the BBWD retains the right to determine the quality, quantity, type, size, and location of all such metered services and appurtenances.
- b Each lot or parcel shall have a minimum of one (1) metered service. If, in the opinion of the BBWD, a single meter for all service is the most practical installation for BBWD access, operations, and maintenance, one (1) properly sized meter may be installed to serve the entire development. The BBWD shall make the final determination of a properly sized meter.
- c In the event a parcel is divided into more than one (1) lot after water service is obtained from the BBWD, it is the property owner's responsibility to obtain additional water commitments and services for the additional lots from the BBWD prior to the parcel division. Inter-connection(s) that include, but are not limited, to the expansion of on-site systems to serve adjacent parcels are not allowed.

Commercial developments, created through the subdivision or parcel map process, with Conditions Covenants and Restrictions that include property management payment of communal services, may be exempted from this requirement provided adequate documentation is provided to support this arrangement. BBWD will not prorate water bills between customers.

**6.12 Metering Requirements for Conversion of Developments**

- (a) All existing developments which were developed in accordance with the provisions of any applicable zoning ordinance enacted pursuant to law that are to be converted from rental occupancies to occupancies for the transfer of titles in an occupancy and open space may retain the existing metered water service without modification except when such service is required to be modified in the interest of the public health, safety and welfare. The BBWD may authorize the retention of the existing metered services, with or without modifications for cause.
- (b) Any request for BBWD authorization to retain existing metered services must be made in writing. Upon receipt of written requests submitted, the Board, or designated authority, will review the request, confer with the requesting party, and return a decision as to the authorization.

**6.13 Meter Maintenance**

BBWD water meters are routinely serviced and maintained during normal business hours. This procedure will cause a total shut down of the services located on a site. Customers can avoid this interruption in service by providing a bypass valve and piping, per UDACS.

**6.14 Installation of BBWD Facilities by a Developer**

Subject to the provisions of applicable sections of these service rules, the following shall apply to the installation of all facilities which are to be owned and operated by the BBWD.

- (a) The developer shall pay to the BBWD, prior to issuance of plan approvals, all applicable fees, deposits and charges in accordance with the rate schedule then in effect.
- (b) All water facilities to be owned by the BBWD shall be located within public rights-of-way or BBWD approved easements. Water meters shall be located outside of travel lanes and driveways and shall be protected from vehicular traffic, as determined by the BBWD in accordance with the UDACS and the approved materials list.
- (c) The BBWD shall have inspected and approved the installation of the water service facilities before a meter is set or service is provided other than water for construction purposes.
- (d) Fire hydrants to be connected to a BBWD main shall be approved by the BBWD and the Fire Department prior to installation. The installations will be inspected and approved by the BBWD.
- (e) Fire hydrants located out of the right-of-way or easement shall be owned and maintained by the property owner.

**6.15 Installation of Hydrants**

Fire hydrants shall be installed in accordance with the Clark County Uniform Fire Code and UDACS.

**6.16 Cross-Connection Control (Backflow Prevention)**

The BBWD's Cross-Connection Control (Backflow Prevention) program for service protection is conducted pursuant to Nevada Administrative Code (NAC) 445A.67185-67255, as amended.

Backflow prevention assemblies for service protection approved and installed after the effective date of these rules will be owned, tested and maintained by the BBWD and in accordance with NAC 445A67185. For those assemblies owned by the BBWD, maintenance and testing will be done annually by the BBWD, supported by the payment of a backflow service charge, per Section 7.

For those properties retaining ownership of backflow assemblies, annual testing and maintenance will be done by an authorized, certified cross-connection control tester. BBWD will send a letter in advance of the annual testing date, notifying the property of its responsibilities and obligations of complete testing.

The results of each test for each assembly, and a record of any repairs must be forwarded by the tester to the BBWD for recordkeeping purposes. Failure to properly conduct scheduled annual testing, and needed repair of assemblies within 30 days of the annual test date, will result in the service being shut off until the BBWD assumes control of the assembly, along with a permanent, written easement, per UDACS.

For assembly owners that want to turn over assembly serving their properties, the BBWD will accept the device at no cost to the owner, subject to the following requirements. That each assembly be unencumbered of any lien or debt, that the assembly be working properly, based on testing by a certified cross-connection control tester within ten days of change of ownership, and that the property owner conveys a permanent, unencumbered easement to the BBWD for access, testing, maintenance, and replacement of the assembly, per UDACS. Once the assembly is accepted by the BBWD, all work will be done annually by the BBWD, supported by the payment of a backflow service charge, per Section 7.

The BBWD may require access to properties of customers currently receiving water service to conduct a cross-connection control survey pursuant to NAC 445A.67185. The purpose of this survey is to establish the extent of protection required for the BBWD's water system based on an evaluation of how a customer uses water on a site. Examples of on-site uses requiring protection include, but are not limited to, laundries, businesses that mix and process chemicals and water, potable and/or non-potable irrigation systems, and fire services. Water from a customer's service may, under certain conditions, be drawn into the public water supply through the meter (through a backflow condition such as back siphonage or backpressure). If there are existing or potential cross-connections with non-potable fluids on a customer's property, the water drawn into the public water supply may be contaminated and therefore compromise the BBWD's supply. The installation of a BBWD approved backflow prevention assembly adjacent to the meter may be required based on the results of the survey and the identification of existing or potential cross-connections within the property. Such installations may also be required pursuant to NAC 445A.67195-6721.

The BBWD may determine that there is the potential for contamination of the BBWD's distribution system from an existing service(s) due to processes on a customer's property. This requirement may be made in the absence of a cross-connection control survey pursuant to the conditions specified in NAC 445A.67195 through 67215 inclusive. At that time, the BBWD may install a backflow prevention assembly at its expense. If a customer requests a larger assembly, the cost of that equipment and installation will be borne by the customer. The customer must provide an easement to the BBWD for this work unless one of approved dimensions already exists.

If the customer objects to the requirement for backflow prevention assembly installation, he shall, at his own expense, obtain a cross-connection control survey from a Certified Cross-Connection Control Specialist. If the survey finds no need for backflow prevention, the requirement by the BBWD shall be deferred at that time. The BBWD may require the customer to obtain, at his own expense, a similar BBWD approved cross-connection control survey not more frequently than annually to validate that the deferral is still

appropriate. An approved copy of the results of the survey shall be provided to the BBWD, which will determine the need for an assembly. Failure to provide such a survey shall be cause for the BBWD to require the immediate installation of a backflow prevention assembly as required by NAC 445A.67195 through 67215 inclusive. The customer shall pay all expenses required for this installation.

A BBWD approved backflow prevention assembly adjacent to the meter will be required at applicant's expense for all new services to commercial and industrial facilities, all new fire services, all new potable and/or non-potable irrigation services, all services for parcels with multiple services, for the relocation or upgrade of existing services, or when on-site work occurs to any facility which would otherwise qualify for installation of a backflow prevention assembly pursuant to NAC 445A.67195.

The backflow prevention assembly may be installed by a properly licensed contractor, however, the installation shall be approved, inspected, and the assembly tested to BBWD Standards before the service is activated.

Installations of backflow prevention assemblies larger than 2" by the customer/applicant shall be accomplished in accordance with Section 9 of these Rules. An easement shall be provided to the BBWD for the construction, operation, and maintenance of all backflow assemblies larger than 2".

Backflow prevention assemblies 2" and smaller may be installed by a licensed Nevada contractor provided the Property Owner first obtains a permit from the BBWD. A permit for the installation and inspection shall be obtained by the owner/developer for all assemblies 2" and smaller. Failure to provide the BBWD access to the assemblies shall be grounds for termination of water service.

An approved backflow prevention assembly appropriate to the degree of hazard shall be installed at the point of delivery to an existing customer's water system as a prerequisite of continued service:

- a. Whenever entry to all portions of the premises is not readily accessible for inspection purposes, making it impracticable or impossible to ascertain whether or not cross-connections exist or as required by NAC 445A.67195.
- b. Whenever an emergency turn off is necessary, as determined by the degree of hazard.

Customers will be notified by mail when a survey or other action (such as a public works or BBWD project related to existing service removal and relocation, or service adjustment) has revealed that an existing service has been identified as requiring installation of a new or upgraded backflow prevention assembly. The customer shall be required to have the backflow prevention assembly installed in a manner acceptable to the BBWD within 120 days from the date of the notification. If, after the 120-day period elapses should the backflow prevention assembly not be installed, the BBWD shall notify the customer of their failure to meet these requirements. If the customer has not completed the installation of the backflow prevention assembly nor responded to the BBWD 30 days following the notification (150 days elapsed time from initial notification) a second notification shall be made to the customer. If, after 30 days have elapsed (180 days elapsed time from the date of first notification) and the backflow prevention assembly is not installed, the service to

the customer's account may be terminated. The BBWD may elect to install the appropriate assembly at the expense of the customer. Upon completion of installation of the backflow prevention assembly, the BBWD may restore service.

If the customer so requests, the BBWD shall take the necessary actions to have the backflow prevention assembly installed. If a customer qualifies due to a Public Works or BBWD project that requires an existing service removal and relocation, or service adjustment, and the installation of a backflow prevention assembly, it shall be installed at the expense of the BBWD. Any requests for a larger service will result in the customer being charged the full cost of the assembly.

Once a customer requests installation by the BBWD, the 120-day installation period shall be considered as having been satisfied. The BBWD may make arrangements for the installation by a contractor, or may do the installation using BBWD work forces. The application shall be considered to have been received by the BBWD when the customer presents an appropriate application for installation along with a properly executed easement and/or license document and delivers payment in the amount estimated by the BBWD as set forth in Section 7 for the installation work. Following completion of the work, the BBWD shall either refund to the customer overpayments or shall invoice the customer for the additional monies required.

In some locations where physical constraints may preclude the installation of backflow protection on individual services, the BBWD may choose to install a properly sized backflow prevention assembly on a portion of the distribution system to protect other customers in the vicinity. In this situation, the BBWD shall make all arrangements for the backflow prevention assembly installation. At the completion of the installation, the cost of the installation will be prorated to the parcels requiring protection based on the equivalency sizes of the services involved. Those service users will then be billed a monthly service charge equal to the amount charged for a backflow prevention assembly equal in size to their installed service. The BBWD will notify the customer in advance of installation should this situation arise.

#### **6.17 Installation of Hydrants**

The BBWD may install a fire hydrant for single-family residentially zoned lots with fire department approval when the owner of the lot applies for domestic service and pays all applicable fees, charges and deposits, which must include the cost of the fire hydrant and installation.