

## **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 LVVWD, as agent for the KCWD, 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 a three-quarter (3/4) 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 (2) mains are available from which service can be provided, the LVVWD shall, at its option, determine the main to that service connection will be made.

Plans acceptable to the LVVWD are required for all service connections except individual residential service connections under two (2) inches in diameter to be installed by LVVWD. Water plans shall be prepared by a Nevada Registered Professional Engineer for review by the LVVWD for conformance to LVVWD construction standards, as stipulated in Section 10. 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 that the service connection will be installed requires a permit for such installation, the LVVWD will make application for such permit for work to be performed by the LVVWD and for water facilities to be installed 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 LVVWD 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 District fees, charges, and deposits paid. If the Applicant chooses the latter option, the LVVWD shall not be required to provide service. If the Applicant is unable to obtain the required permit, the LVVWD has no obligation to provide service and shall return all fees, charges, and deposits paid, except for application fees.

### 6.2 Location

Service connections shall be installed at nominal right angles to a main or in accordance with UDACS, latest edition, as amended. 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 LVVWD may approve installation within an easement or alley adjacent to or on the parcel to be served.

In alleys or easements, meters shall be located at a point as close as practicable to the parcel line within which the main is located. All meters shall be located outside of driveways and other areas where access by LVVWD 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 LVVWD. If the Applicant feels extraordinary conditions exist that would prevent compliance with this requirement, they may submit to the LVVWD 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 LVVWD.

### 6.4 Ownership

Service connections, including laterals, meters, curb stops, boxes, shut-off valves, backflow assemblies, and other appurtenances shall be and remain the property of the KCWD. Upon acceptance of the installation by the LVVWD, the LVVWD shall be responsible for the maintenance and repair of such facilities, subject to any agreements covering the installation of such facilities. All pipe and fittings from the distribution main to the meter, regardless of the meter location on the customer's property, shall be maintained by the LVVWD. If no meter exists, all pipe and fittings from the distribution main to the property line shall be maintained by the LVVWD. All pipe and fittings on the customer's side of the meter or backflow prevention assembly, or if there is no meter, all facilities from the property line to the building served shall be installed, owned, and maintained by the property owner. The LVVWD will be responsible for the maintenance and testing of backflow prevention assemblies. Any entry into or work including, but not limited to, operation, maintenance, repair, or relocation of KCWD property by any person or firm not employed by the LVVWD is expressly prohibited.

### 6.5 Installation of Service Connection

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

### 6.6 Service Connection Types

In addition to the installation requirements for a standard service connection, the following shall apply:

#### a. Private Fire Service

Private fire service shall be equipped with a LVVWD-approved double check detector assembly and use is restricted to standby for emergency fire protection.

#### b. Emergency Service

Emergency Service shall be authorized for limited periods of time when the usual source of supply fails, is declared to be potentially harmful, or in other circumstances that endanger health or property. Connections may be provided at the discretion of the LVVWD, to a fire hydrant or any available outlet from KCWD facilities and shall conform to the requirements of these Service Rules. The Applicant shall pay all installation costs, applicable fees, charges, and deposits and shall make application for a main extension in accordance with Section 10 if applicable.

All emergency services conform to the requirements of these Rules and 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 LVVWD for a time extension. The emergency service may be extended by the GM 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.

c. Non-Standard Service

A non-standard service may be authorized when, in the opinion of the LVVWD, a main extension will not 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 public thoroughfare. A copy of the recorded easement grant between the property owner and Applicant for the on-site piping shall be provided to the LVVWD.

d. Temporary Service

A temporary service may be authorized by the LVVWD when the Applicant provides a guarantee for the construction of any required main extensions and a standard service connection to the parcel. The Applicant is required to pay applicable fees, charges, and deposits in accordance with the provisions of these Service Rules.

#### 6.7 Metering Requirements for New Developments

- a. It is the intent of the KCWD to separately meter all services for each dwelling unit, public, quasi-public, commercial, and/or industrial occupancy. Inter-connection(s) are not allowed which include but are not limited to, expansion of on-site systems to serve adjacent parcels. However, the LVVWD 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 LVVWD, a single meter for all service is the most practical installation for LVVWD access, operations, and maintenance, one (1) properly sized meter may be installed to serve the entire development. The LVVWD 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 LVVWD, it is the property owner's responsibility to obtain additional water commitments and services for the additional lots from the LVVWD prior to the parcel division. Inter-connection(s) which 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 CC&R's which include property management payment of communal services, may be exempted from this requirement provided adequate documentation is provided to support this arrangement. LVVWD will not prorate water bills between customers.

#### 6.8 Metering Requirements for Conversion of Developments

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 service without modification except when such service is required to be modified in the interest of the public health, safety, and welfare. The LVVWD may authorize the retention of the existing metered services, with or without modifications for cause.

## 6.9 Meter Maintenance

KCWD 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 LVVWD standards.

## 6.10 Cross-Connection Control (Backflow Prevention)

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

All backflow prevention assemblies for service protection are tested and maintained by the LVVWD in accordance with NAC 445A.67185.

The LVVWD 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 KCWD'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 backsiphonage 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 KCWD's supply. The installation of a LVVWD 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 LVVWD may determine that there is the potential for contamination of the KCWD'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 LVVWD 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 LVVWD for this work unless one of approved dimensions already exists.

If the customer objects to the requirement for backflow prevention assembly installation, they shall, at their 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 LVVWD shall be deferred at that time. The LVVWD may require the customer to obtain, at their own expense, a similar KCWD 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 KCWD, which will determine the need for an assembly. Failure to provide such a survey shall be cause for the LVVWD 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 LVVWD 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 that 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 LVVWD 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 10 of these Service Rules. An easement shall be provided to the KCWD for the construction, operation, and maintenance of all backflow assemblies larger than two inches (2").

Backflow prevention assemblies two inches (2") but no smaller than one inch (1") may be installed by a licensed contractor; provided the property owner first obtains a permit from the LVVWD. A permit for the installation and inspection shall be obtained by the owner/Developer for all assemblies 2" and smaller. Failure to provide the LVVWD 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 LVVWD 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 LVVWD 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 LVVWD 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 LVVWD 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 LVVWD may elect to install the appropriate assembly at the expense of the customer. Upon completion of installation of the backflow prevention assembly, the LVVWD may restore service.

If the customer so requests, the LVVWD shall take the necessary actions to have the backflow prevention assembly installed. If a customer qualifies due to a Public Works or LVVWD 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 KCWD. 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 LVVWD, the 120-day installation period shall be considered as having been satisfied. The LVVWD may make arrangements for the installation by a contractor, or may do the installation using LVVWD work forces. The application shall be considered to have been received by the LVVWD 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 LVVWD as set forth in Section 7.6 for the installation work. Following completion of the work, the LVVWD shall either refund to the customer overpayments or shall invoice the customer for the monies required.

In some locations where physical constraints may preclude the installation of backflow protection on individual services, the KCWD 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 LVVWD 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 LVVWD will notify the customer in advance of installation should this situation arise.

6.11 Installation of Hydrants

Upon approval of the Clark County Fire Department, the LVVWD may install a fire hydrant for single-Family residentially zoned lots 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.