

# Water System and Sanitary Sewer System Rules and Regulations

SANITARY AND IMPROVEMENT DISTRICT NO. 5, CASS COUNTY, NEBRASKA  
19457 TREASURE ISLAND ROAD  
PLATTSMOUTH, NEBRASKA 68048

[www.buccaneerbay-ne.org](http://www.buccaneerbay-ne.org)

Updated: April 23, 2024  
Effective Date: April 23, 2024

For emergencies related to water and sanitary sewer please see the District's website:  
[www.buccaneerbay-ne.org](http://www.buccaneerbay-ne.org)

**ADOPTED APRIL 23, 2024**

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## **PREFACE**

These Rules and Regulations are generally made by authority of Neb. Rev. Stat. §§31-727 through 31-770, as amended, which govern the creation and operation of sanitary and improvement districts in the State of Nebraska. As it relates to water systems and sanitary sewer systems, such services are authorized pursuant to Neb. Rev. Stat. §§31-727, which provides:

(1)(a) A majority of the owners having an interest in the real property within the limits of a proposed sanitary and improvement district ... may form a sanitary and improvement district for the purposes of installing ... a sewer system, a water system....

Section 31-740 further provides that the District, through its Board of Trustees (or administrator if one is appointed) shall have the power to:

provide for establishing, maintaining, and constructing water mains, sewers, and disposal plants and disposing of drainage, waste, and sewage of such district in a satisfactory manner.

To carry out these functions, Neb. Rev. Stat. §31-733, authorizes the Board of Trustees to:

“Within thirty days after the district court has declared the district a public corporation, the trustees appointed by the court shall meet and elect one of their number chairperson and one of their number clerk of the district. Except as otherwise provided, the board shall ... have the power to pass all necessary ordinances, orders, rules, and regulations for the necessary conduct of its business and to carry into effect the objects for which the sanitary and improvement district was formed....

Moreover, the statutes further provide in Neb. Rev. Stat. §31-742 as follows:

The board of trustees or the administrator may make all necessary rules and regulations governing the use of the installations and the operation and control thereof. The board or the administrator may establish an initial connection charge to be paid by any person, firm, or corporation connecting to the sewer or water system, or both, at the time of connection and establish just and equitable rates or charges to be paid to it for connections and the use of the water mains, disposal plant, and sewerage system by each person, firm, or corporation whose premises are served thereby.

Therefore, these Rules and Regulations have the same legal force and effect as a city ordinance would have on, and are binding upon, the consumers as one of the conditions of their service.

Based on the above, the District, through its Board of Trustees, delivers water service and sanitary sewer service to its customers at the water mains and sanitary sewer mains installed by the District in public streets and on private property when a proper easement is obtained from the owner of such private property.

The water and sanitary sewer mains are owned by the District and are under the exclusive control of the Board of Trustees for the District. All pipes, appurtenances and fixtures, from the main in the street to and into the owner's premises are installed by and paid for by the property owner, are the property owner's property, and the owner is responsible for their maintenance and care at his or her cost.

Water meters are obtained from the District, through its Utilities Operator contracted by the Board of Trustees to operate the District's water system, and are for purchase by, and are the property of, the owner. Certain repairs to meters may be made by the District's Utilities Operator based on charges set forth in the Water Service fee ordinance. Only with written consent from the District's Utilities Operator may a Customer have work performed on a meter by a third party, and in such event the service provider shall provide written certification to the District that the meter shall thereafter provide an accurate measurement of water used.

No installation of a water service (the pipe and fixtures from the main in the street to and including the meter), nor any repair thereof, shall be made which does not conform to these Rules and Regulations. By virtue of accepting the District's services for water and sanitary sewer, the property owner and any customer acknowledge and accept the terms of these Rules and Regulations, and shall comply with the same.

Inspection and approval by the District, through its Utilities Operator, is required for all installations and repairs of water services. No service shall be installed or repaired and then any portion thereof concealed by dirt or other means until inspected in full by the District's Utilities Operator.

Failure to conform to these Rules and Regulations shall be cause for the District to shut off the water supply to the premises in which the failure to comply exists. Water service will not be restored until the installation or service has been made to conform to these Rules and Regulations.

Where there are practical difficulties in the way of carrying out the strict letter of these Rules and Regulations, the matter may be submitted to the Board of Trustees for alternate consideration. Upon making a finding to the effect that there are practical difficulties in the way of carrying out the strict letter of these Rules and Regulations, the Board of Trustees may vary or modify the application of these Rules and Regulations so that the spirit of the Rules and Regulations are observed, public safety secured, unjust discrimination avoided, and substantial justice done.

These Rules and Regulations, consisting of this Preface and the following provisions, shall take effect as soon as adopted by the Board of Trustees of the District. Thereafter, any Rules and Regulations previously in effect that may be in conflict herewith shall be considered amended and repealed from and after the adoption of these Rules and Regulations and any subsequent amendments thereto.

Originally adopted by action of the Board of Trustees of Sanitary and Improvement District No. 5, Cass County, Nebraska on October 23, 2018.

## **PART I: GENERAL**

### **1. Water Pressure**

Water pressure varies throughout the system depending on elevation, volume of water delivered and other factors. Pressure regulating valves, installed on the street side of the meter are required for all new construction and strongly encouraged for all existing homes. The District is not responsible for damage caused by pressure fluctuations. Information on pressure at a specific location may be obtained upon request to the District's Utilities Operator.

### **2. Temporary Interruption of Service**

The District may shut down a customer's water supply to make repairs on the system after making a reasonable effort to notify customers. In case of emergencies, such as a main break or where in the District's opinion or that of its Utilities Operator considerable damage may be caused, water supply may be shut off without immediate notification.

## **PART II: APPLICATION FOR THE USE OF WATER**

### **1. Applications.**

- a. Applications for the use of water shall be made in writing on forms provided by the District and shall be signed by the customer. If the customer has an unpaid balance of water or sewer charges at a previous location within the District, this balance must be paid before service can be turned on.
- b. If there is no water service into the premises, see Part III.
- c. Water for temporary purposes, including construction uses, may be obtained, upon application and payment of fees, by purchasing water from a temporary water service line complying with the requirements of these Rules and Regulations for a new service or, where no other reasonable supply is available, through a temporary hydrant connection in accordance with the provisions of these Rules and Regulations.

### **2. Billing**

- a. Water shall be supplied by meter measurement only, and bills rendered at regular periods so far as practicable. In case of inability to read a meter for any reason, or of a meter failure to register, the water consumed shall be determined by estimate.
  - 1) The District reserves the right, for economy reasons, to implement a program of reading meters at varying monthly intervals, but not less often than bimonthly, with estimated bills rendered in months when meter readings are not obtained. Estimated bills will be rendered based upon previous usage and seasonal conditions.
  - 2) All bills due the District for water and/or sanitary service shall be payable on or before the due date stated on the bill.
- b. All customers shall make it possible for the Utilities Operator for the District to obtain readings of any water meter. This includes remote reading devices. The water service may be turned off if the District is not allowed to read meters and remote reading devices.
- c. If there is a discrepancy between readings of a meter and a remote reading device, the meter reading shall govern.

### **3. Default in Payment**

- a. When a customer is in default of payment of an account for water and/or sanitary sewer services supplied to a customer's premises, or for fire service,



repairs, material or other items furnished, or fails to comply with these Rules or Regulations, the water service may be terminated. The service may be terminated whether the default be on account of water supplied at the customer's present address or at any prior address of the customer within the District.

- b. Where water and/or sanitary sewer service has been turned off because of a violation of these Rules and Regulations, or because of nonpayment of bills due, a charge as stated in the District's billing ordinance shall be collected for restoring service.

#### 4. Unauthorized Use of Water

- a. Obtaining water service in a manner to avoid payment for such service, including but not limited to tampering with the meter, installing a bypass around the meter, connections for service without a meter, or by any other method, is prohibited and shall be cause for termination of service and for prosecution by the State of Nebraska for theft by unlawful taking. State law provides for fine and imprisonment or both for theft of services or tampering with water services.
- b. Before water service which has been terminated is restored, charges and fees will be payable as follows:
  - 1) Cost of removal of unauthorized piping, repair or replacement of any meter damaged by tampering, and all other incidental costs involved in the turn-off and turn-on.
  - 2) An estimated bill for water consumption as determined by the District.
  - 3) Payment of a finding fee payable to the person reporting the unauthorized use, as determined by the Board of Trustees and published in the District's water fee ordinance.

#### 5. Customer Responsibility

- a. The customer shall be liable for water consumed until provisions are made for the District to turn off.
- b. When a customer is moving out of the premises and orders the water meter read on a certain day, the water must be turned off when the meter is read, unless there already is on file an application from a prospective customer.
- c. Whenever it shall come to the knowledge of the District that there exists in a water service, whether it be in the supply pipe, stop-box/shut off, valve, service pipe, meter, manhole or cover thereof, a repair requirement or a dangerous or unsafe condition, the District will notify the owner and customer to have the appurtenance

or facility immediately repaired, and put in a safe and operable condition.

- 1) The District may turn off the water service until it is repaired and put in a safe and operable condition. In the event the District is required to shut service off, the expense shall be borne by the owner of the property. The District may turn off the water service until such expense is paid.
- d. All customers shall safeguard the water supply pipe, stop-box/shut off, service pipe, meter, and all other appurtenances and fixtures, and all owners, at their own expense, must keep all such items from the water main to the meter in good working order.
- e. Customers, by accepting service for water and sanitary sewer, agree to be governed by these Rules and Regulations, and if it becomes necessary for the District to make necessary repairs to any part of the system owned by either the District or a customer/owner, or to shut off service at the stop-box/shut off for nonpayment for services whether water or sanitary sewer, customers and owners hereby expressly consent for the District and its representatives, including its Utilities Operator, to utilize all necessary appurtenances including the stop-box/shut off to do so, even though the same is owned by the customer/owner. In addition, customers and owners hereby expressly consent for the District and its representatives, including its Utilities Operator, to enter upon the customer's/owner's real estate and to perform all necessary work on the appurtenances including to utilize machinery such as, but not limited to, a backhoe, to repair and utilize the stop-box/shut off.
- f. The customer is responsible for all appurtenances from the water main to the residence to include the saddle clamp connecting the service line to the main. The customer is responsible for the sanitary sewer connection/line from the residence to the sanitary sewer. The District is not responsible for damage to the water meter by the property owner or any third party. No claims shall be made or maintained against the District for damages due to the breaking of any said appurtenances or apparatus, nor for accidental failure in the supply of water.
- g. Customers shall operate valves and other appurtenances of their water piping system in such a manner that pressure surges are not transmitted to the District's water distribution system.
- h. In cases where water is consumed, but there is no customer, the owner of the premises shall be liable for the cost of water consumed.
- i. The District has mandated the installation of meter transceiver units (MXUs) on each meter at the customer's cost. An MXU is a radio signal device which permits meter reading via radio signals. Customer shall maintain the same in good repair and if it falls out of good repair shall notify the District's Utilities Operator so that said Operator may repair the same promptly and at the customer's expense.

### **Part III: APPLICATION TO INSTALL AND CONNECT A WATER SERVICE**

#### **1. Application for Water Service**

- a. An application is required before the installation of a water service, including any tap of an existing water main.
- b. Except as otherwise provided in these rules, all work performed to install a water service shall be done by or under the direct supervision of an experienced plumber.
- c. The District may refuse to approve an application:
  - 1) To a property which does not abut upon a water main;
  - 2) For a tap to serve property which abuts any main which the District or its Utilities Operator has determined for operational reasons cannot be tapped;
  - 3) Where mains abutting property have inadequate water flow capacity and insufficient fire hydrants to service the anticipated requirements of the property and fire protection flows reasonably complying with the guidelines of the Insurance Services Offices;
- d. Where deficiencies exist, the District may consider extending the water and sanitary sewer mains subject to law and the passage of a resolution of necessity and subsequent imposition of special assessments on specially benefitted properties.

#### **2. Inspection**

- a. All work requiring an application is subject to inspection and acceptance by the District's Utilities Operator. The applicant shall notify the District's Utilities Operator when the work is ready for inspection. No work shall be covered up until after it is accepted by the District or its Utilities Operator. If work is covered up before it is inspected, the District may refuse service to the premises until the work is exposed and inspection, and the District may refuse to approve any additional applications to applicant until the inspection is made and until the work is in compliance with these Rules and Regulations.
- b. The District may refuse to accept work performed which does not comply with these Rules and Regulations.

## **Part IV: TAPS AND CONNECTIONS**

### **1. General**

- a. All taps and/or connections to water mains shall be made in the presence of the District's Utilities Operator. This includes the installation of the corporation stop/saddle; or if applicable a tee and gate valve or tapping sleeve and gate valve. Taps will be made only after application for a tap and payment at the current rate as listed in the District's then current fee ordinance.

### **2. Location of Tap**

- a. All taps shall be made in the main directly abutting the entire property served, except in case of a non-abutting service for which other rules shall apply.
- b. Taps shall not be located:
  - 1) Closer together than 18 inches.
  - 2) On hydrant branches.
  - 3) Within an intersection.

### **3. Size of Tap**

- a. Taps may only be 3/4 or 1 inch.
- b. Taps shall be made using a corporation stop.
- c. Tap size shall be equal to or greater than the water service size.
- d. On 4-inch mains, 1 inch taps may be made when used with a full encirclement, stainless steel band clamp with a 1 inch boss to reinforce the 4 inch main.
- e. The maximum tap size allowed on a main shall equal the main size.
- f. Taps larger than 2 inches and all taps serving a private fire protection system shall be pre-approved by the District's Utilities Operator.
- g. Taps on mains larger than 12 inches shall not be permitted.

### **4. Excavation for Tap**

- a. The plumber shall make the excavation required to tap a water main

- 1) The excavation for taps of 2 inches and smaller shall not be less than 2 ½ by 4 feet. If shoring is required, such excavation shall not be less than 2 ½ x 6 feet. The longer dimension shall be perpendicular to the main. The excavation shall extend under and entirely around the main so as to leave a clearance of at least 6 inches.
  - 2) For connections larger than 2 inches, the size of the excavation and required clearances around the main will be furnished to the plumber upon request to the District's Utilities Operator.
- b. The excavation shall be shored in accordance with OSHA regulations.
  - c. Due to the hazard incurred by workers in tapping a main through a tunnel, taps under such circumstances will be made only in exceptional cases, and only when the main lays within 5 feet of the back of the curb, and when the tunnel is adequately shored.
5. Abandonment of Tap or Connection
- a. When a service connected to the main with a corporation stop is abandoned, it shall be the responsibility of the owner to disconnect the service from the corporation stop and to abandon the existing curb stop box. The outlet threads on the corporation stop shall be destroyed. If the curb stop is not in paving, the Plumber shall remove the curb stop box lid, pull the scope section of the curb stop box, fill the void with sand and restore the disturbed area to as-is or better condition. If the curb stop is in paving the Plumber shall remove the curb stop box lid, fill the curb stop box scope with sand to 6 inches below grade and effectively fill the top 6 inches and any associated void with concrete finished flush with the surrounding paving. The work shall be performed at the owner's expense and inspected by the District's Utilities Operator.
  - b. If an abandoned service is not disconnected by the property owner, the District may disconnect the service and abandon the curb stop box per requirements stated above and do so at the owner's expense. If the same owner shall require re-connection of a service of the same size within one year after disconnection by the District, the District shall provide a new tap without a tap charge. All other fees and charges as applicable must be paid.
  - c. When a service connected to the main by a tee or similar device is abandoned, the tee or device shall be cut out of the main and replaced with pipe and the valve (cc) box or vault shall be removed or abandoned in place. The excavation to access the tee or device (and backfilling of the excavation) shall be done by the owner's plumber. The size of the excavation and required clearances around the main will be furnished to the plumber after a request to the District's Utilities Operator. The removal and/or abandonment of the tee or similar device shall be performed by the

District at the owner's expense. If the valve (cc) box or vault is not adjacent to the service tap and is not removed or abandoned by the District, then the Plumber shall abandon the service valve (cc) box or vault per the following requirements:

- 1) If the valve (cc) box or vault is not in paving the Plumber shall remove the valve (cc) box lid or Round Iron ring and cover on the vault, remove the top section(s) of the valve (cc) box or vault to be abandoned to 12 inches below grade, fill bottoms with sand to 12 inches below grade and restore the disturbed area to as-is or better condition. If the valve (cc) box or vault is in paving the Plumber shall remove the valve (cc) box lid or Round Iron ring and cover on the vault, remove the top section(s) of the valve (cc) box or vault to be abandoned to 12 inches below grade, fill the bottoms with sand to 12 inches below grade and effectively fill the top 12 inches and any associated void with concrete finished flush with surrounding paving.

**Part V: WATER SERVICE ELEMENTS AND REQUIREMENTS;  
APPURTENANCES; INSTALLATION; MODIFICATION; MAINTENANCE**

1. General

a. A water service consists of a supply pipe from the main to the curb stop, a curb stop or similar device depending on the size of the line, a water service line from the curb stop to the meter, a meter, and related appurtenances.

b. Required materials

- 1) Tapping Saddle: Smith Blair #317 or its equivalent
- 2) Corp Stop: Mueller #H15008 (Flair or Comp. Ball Type – Minneapolis Pattern) or its equivalent
- 3) Curb Stop: Mueller #B2155 (Flair or Comp. Ball Type – Minneapolis Pattern) or its equivalent
- 4) Stop Box: Mueller #5615 (Buried a minimum of five (5) feet with stationary rod – Minneapolis Pattern) or its equivalent

c. Procedure

- 1) Call the District's Utilities Operator to obtain size of water line, type and location
- 2) Create installation map
- 3) Call the District's Utilities Operator for inspection of the tap
- 4) Prior to arrival of operator
  - a) Wash down pipe with chlorine and install saddle and corp stop
  - b) Chlorinate corp stop prior to tapping
  - c) Chlorinate tapping blade prior to coating with cutting lubricant
  - d) Tap pipe when cleared to do so by the District's Utilities Operator (system has been isolated and pressure relieved on 10-inch or larger lines)
  - e) Install curb stop and stop box

- f) Inoculate service line with chlorine
  - g) Complete installation by blowing off new service line until clear water is observed
  - h) Close curb stop
- b. Water services shall not be branched or extended to serve more than one meter, except where master water service lines or combination domestic water service lines and private fire protection system lines are permitted or where multiple meter headers are permitted as provided in these Rules.

## 2. Piping Requirements

- a. All water service piping shall conform to the following requirements:
- 1) The water service shall normally be run perpendicular to the main.
  - 2) No other pipes or conduits shall be permitted in the same trench with the supply pipe or the service line, nor in a parallel trench less than 2 feet therefrom. A vertical clearance of not less than 6 inches shall be maintained between the supply pipe or the service line and any other pipe, cable or conduit crossing the service.
  - 3) Supply pipes and service lines shall have a cover of not less than 5 feet.
  - 4) All water services connected to the main with a corporation stop shall be laid with sufficient slack to provide for settlement and frost action. Care shall be taken when backfilling the supply pipe so that the pipe will not stress the corporation stop in the water main.
  - 5) A water service that goes through an outer wall of a building shall extend through and beyond that wall a distance of not less than 6 inches. A water service that goes vertically through a floor shall extend through and beyond that floor a distance of not less than 6 inches.
  - 6) If a building does not have a basement with a poured floor, the service shall extend inside the outer wall of the building and into the building a minimum of 2 feet at which point it shall go vertically through the floor.
  - 7) Where the distance between the corporation stop and the curb stop is less than 100 feet and the service is 1 inch or less in diameter, it shall be one continuous piece.

## 3. Size of Water Service Pipes



- a. Residential water services shall be properly sized for the required demand but shall be not less than 1-inch inside diameter.
- b. Commercial, industrial and fire services shall be properly sized for the required demand but shall be no smaller than as specified for a residential service.

#### 4. Material for Service Piping

- a. All water service pipes of 3/4-inch through 1 1/4 inch diameter shall be Type K copper tubing, except that portion of the service from the first valve inside the building to the first valve downstream of the meter which shall be Type K, L or M copper tubing.
- b. All water services of 1 1/2 inch diameter and larger shall be Type K copper or class 52 or heavier cement mortar lined ductile iron pipe. Polyethylene encasement shall be installed on all underground installations of ductile iron pipe in accordance with AWWA C105.
- c. All underground connections used on copper piping shall be flared or hard-soldered (silver, 1000°). Soft solder and compression type connections are prohibited.
- d. All new and replacement materials contacting the water supply shall be lead free as required by the Reduction of Lead in Drinking Water Act of 2011; Public Law 111-380. Solder flux shall not contain more than 0.2 percent lead. All new and replacement materials contacting the water supply including pipes, valves, fittings and fixtures shall not have a weighted lead content of more than 0.25 percent with respect to the wetted surfaces.
  - 1) Exemptions include meters used exclusively for non-potable services; provided, however, that exempt materials contacting the water supply shall not be more than 8 percent lead free.

#### 5. Fire Protection

- a. A combination metered house and unmetered fire line may be installed with approval by the property owner's fire underwriter. A valve shall be installed adjacent to the water main and an additional valve shall be installed on each service so that each line may be independently controlled. The house service valve shall be installed so as to permit operation from outside the building.

#### 6. Water Service Appurtenances

- a. All water services shall have installed in them a curb stop or a valve between the water main and the property line as follows:

- 1) Supply pipes connected to the main with a corporation stop shall have a curb stop separating the supply pipe and the service line as defined above, and the curb stop shall be located between the curb line and the property line. The curb stop shall be installed within a stop box.
  - a) Where unusual circumstances prevent this location, the curb stop may be placed in the street, but shall be installed within a cc box. The curb stop valve shall be designed such that its operation cannot exceed a 90-degree turn. The curb stop shall be installed so that the tee head is parallel with the curb when the water is turned off. The curb stop shall not have a waste opening.
- 2) A valve shall be installed on all water services connected to the water main with a tee or tapping sleeve immediately adjacent to the water main.
  - a) Valves larger than 2 inches and smaller than 14 inches shall be installed in a cc valve box except when there is 7 feet of backfill above the main in which case the valve shall be installed in a 48-inch precast concrete manhole vault. Gate valves 14 inches and larger shall be installed in a 48-inch precast concrete manhole vault.
- 3) The design of all valves, curb stops, curb stop boxes, cc boxes, manhole ring and covers, and precast concrete manhole vaults shall meet these Rules and Regulations, District specifications or have the approval of the District's Utilities Operator. Curb stop box scopes shall have the same size threads as the curb stop valve.
- 4) The installation of curb stop boxes, roadway boxes, cc boxes, manhole ring and covers and precast concrete manhole vaults shall be performed so that they will function properly, and so that an access to the shut-off device is maintained. All shall be set vertically and so the top is flush with the surrounding surface.
- 5) All services shall have a shut-off device or valve inside the building where the service enters the building. There shall be no appurtenance between this valve and the main other than the curb stop or valve as previously described, or when an outside meter is approved. The shut-off device for 1-inch and smaller services shall be a combination stop and waste device or a type approved by the District's Utilities Operator.
- 6) All pressure reducing valves (PRVs) shall be installed upstream of the water meter. For 1 inch and smaller PRVs, one valve shall be installed ahead of the PRV and one valve shall be installed after the meter. For PRVs larger than 1 inch, one valve shall be installed ahead of the PRV, one valve shall

be installed between the PRV and the meter, and one valve shall be installed after the meter. For outside meter pits with meters larger than 1 inch, the curb stop may be used as the valve ahead of the PRV.

- b. By use of these water services offered by the District, the property owner hereby authorizes the District to utilize the curb stop or the valve which is part of the tee or tapping sleeve for the following purposes, among any other purpose for which the District may need to utilize the curb stop.
  - 1) to shut off water service for nonpayment of water supplied or for nonpayment of sanitary sewer service supplied by the District.
  - 2) to shut off water service due to a water leak between the curb stop and the structure served.
  - 3) to repair the curb stop.
  - 4) This consent to utilize the curb stop shall apply regardless of its location, whether in the right of way or on the property owner's private property. This consent also authorizes the District and its agents to enter upon the property owner's private property with adequate machinery and to disturb the ground for the stated purposes if the property owner is notified of a need to make a repair but fails and refuses to make the repair.

## 7. Maintenance of Water Service

- a. The owner of a water service shall maintain the water service in good condition. The owner shall maintain the piping and appurtenances beyond the corporation stop on a small service or branch joint on the tee and beyond of a large service. The owner, at the owner's expense, shall maintain, repair and renew the service and appurtenances in accordance with these Rules and Regulations, including as they are amended. The owner shall maintain the service in such manner that it does not leak water and does not become a hazard to the public.
- b. If the District discovers a need for maintenance, repair or renewal of a water service, the District shall give notice of the condition to the owner, and also to the customer if the owner and customer are different people. The owner shall remedy the condition. If the owner does not remedy the condition, the District may remedy the condition at the owner's expense. As stated above, if an Owner refuses to grant the District or its Utilities Operator access to a stop box or any of the appurtenances, or private property, which is necessary to ensure compliance with these Rules and Regulations, the District may take all necessary action to protect its system, including but not limited to, the disconnection of service.
- c. Materials used for repairs or modifications shall be of the type and size specified

for new services. If over one-half of the pipe in a section, as defined in Part V, Paragraph 1, is replaced and the remaining pipe does not conform to the materials required by these Rules, the entire section, including the corporation, if applicable, and the curb stop, if inoperable, shall be replaced with materials approved for new services.

- 1) Three quarter inch copper services and taps are permitted when existing 3/4 inch or smaller services are replaced if the length is unchanged and it serves the same individual premises as the original service.
  - 2) If replacement of any portion or all of the supply pipe (the pipe from the main to the curb stop) is required, it shall comply with these Rules and Regulations.
  - 3) If the section being replaced is more than one-half of the entire service and the remaining sections are not in compliance with these Rules, the entire service shall be replaced.
  - 4) When an entire section is replaced because of relocation requirements, only that section and not the entire service must be replaced.
  - 5) Dissimilar metals shall not be used to repair a service unless insulators are used.
  - 6) For a repair or partial service renewal, a compression coupling with insulators may be used to connect copper pipe into degraded “non copper” pipe. Compression couplings shall not be used to repair copper services without permission from the District’s Utilities Operator.
  - 7) If an insulator or compression coupling is used, the plumber shall consult a licensed electrician to ensure an adequate length of continuous service remains for sufficient electrical groundings.
- d. Branched services that are prohibited by these Rules shall not be repaired. If maintenance of a branched service is required, it shall be replaced with a service or services in accordance with these Rules.

**Part VI: CROSS CONNECTIONS AND BACKFLOW PREVENTION**

1. General

- a. No water service connection to any premises containing real or potential cross connections shall be installed or maintained unless the water supply is protected from backflow as required by Nebraska State Department of Health Regulations, Nebraska State Fire Marshal Regulations and these Rules and Regulations. Water service to any premises shall be discontinued by the District if a backflow prevention assembly is not installed, tested and maintained as required by these Rules and Regulations, or if a backflow-prevention assembly has been bypassed. Service shall not be restored until such conditions or defects are corrected.
- b. No piping system connected to a well or other source of water shall be connected to the District’s distribution system.

2. Definitions

- a. For the purposes of this Part VI, the following definitions shall apply:
  - 1) Air gap: The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet conveying water or waste to a tank, plumbing fixture, receptor or other assembly and the flood level rim of the receptacle. These vertical, physical separations shall be at least twice the diameter of the water supply outlet, never less than 1 inch (25 mm).
  - 2) Approved: Accepted by the District or for the District through its Utilities Operator.
  - 3) Auxiliary Water Supply: Any water supply on or available to a premises other than the District’s approved public water supply. Auxiliary water supply shall include but shall not be limited to water from another purveyor’s public potable water supply or any natural source(s), such as a well, spring, river, stream, harbor, used waters or industrial fluids.
    - a) Auxiliary water supplies may be contaminated or polluted, or may be objectionable and constitute an unacceptable water source over which the District does not have sanitary control.
  - 4) Backflow: The undesirable reversal of flow in a potable water distribution system as a result of a cross connection.
  - 5) Backflow Prevention Device (BPD): An assembly or means designed to prevent backflow

- 6) Certified Backflow Prevention Technician: A person possessing a valid Grade VI Water Operator's license from the Nebraska Department of Health and Human Services and any license required by any applicable plumbing code.
  - 7) Contamination: Introduction of any material that would cause potable water to be a hazard to human health.
  - 8) Cross Connection: Any actual or potential connection between the District's potable water supply and a source of contamination or pollution.
  - 9) Master Backflow Preventer: A reduced pressure backflow prevention device located to isolate the potential contamination from the public water supply system.
  - 10) Pollution: A material that, if allowed to enter a potable water system, could degrade the esthetic property of water with taste, color or odor, but would not be hazardous to human health.
  - 11) Pressure Vacuum Breaker (PVB): An assembly consisting of an independently acting, spring-loaded check valve and an independently acting, spring-loaded air inlet valve located on the discharge side of the check valve, with properly located resilient-seated test cocks and tightly closing resilient seated shutoff valves attached at each end of the assembly designed to operate under pressure for prolonged periods of time to prevent back-siphonage. PVBs shall not be subject to back pressure.
  - 12) Reduced-Pressure Backflow-Prevention Assembly (RP): The approved reduced-pressure principle backflow-prevention assembly consists of two independently acting approved check valves together with a hydraulically operating, mechanically independent pressure differential relief valve located between the check valves and below the first check valve. These units are located between two tightly closing resilient-seated shutoff valves as an assembly and equipped with properly located resilient-seated test cocks.
3. Interconnected Services and/or Fire Lines: Where a customer is served by two or more interconnected services and/or fire lines the customer shall install and maintain at his expense on each service and/or fire line, an approved check valve.
  4. Requirements
    - a. Building inspection.

- 1) The customer's system shall be open for inspection and testing by the District at all reasonable times to determine whether cross connections, sanitary hazards or other violations of these rules exist.
  - 2) When such a condition is discovered, the customer shall take immediate steps to comply with these Rules and shall complete the work within a reasonable time as determined by the District.
  - 3) When conditions constitute an immediate and extreme hazard, the District shall immediately discontinue the customer's service.
- b. The cost for purchasing, installing and maintaining a backflow prevention device shall be the sole expense of the customer.
- c. Installation, maintenance and repair shall only be done by a certified backflow prevention technician.
- d. Testing is required such that all backflow prevention devices with test ports shall be tested upon installation. All backflow prevention devices with test ports, except those installed on a lawn sprinkler system that do not include a booster pump or chemical irrigation equipment, shall be tested at appropriate intervals not to exceed one year. The District shall test all master backflow prevention devices and all backflow prevention devices used in applications in which the customer's operating back pressure may exceed normal main pressure.
- 1) Other devices may be tested by certified backflow prevention technicians. The District may, at its discretion, test any backflow prevention device at any reasonable time and at District expense to ensure proper operation.
  - 2) Reporting of all tests to the District on a form provided by the District is required as a rule and regulation of receiving water service. Failure to properly report testing shall be treated as if the tests were not performed and may result in the technician being removed from the District's approved list.
  - 3) Eligible certified backflow prevention technicians' names shall be named on a list kept by the District Utilities Operator. It shall be the technicians' responsibility to provide the District with proof of certification to be placed on this list. Test results shall not be accepted from those not on the District's approved list.
- e. Lawn sprinklers which include a booster pump or chemical irrigation equipment shall require a reduced pressure backflow prevention device. All other lawn sprinkler systems shall have a pressure vacuum breaker (PVB) backflow preventer installed at least 12 inches above the highest head and the surrounding ground.

- f. Other Backflow Prevention Devices include equipment or operations which adequately protect against backflow by the installation of a reduced pressure backflow preventer.

- Boilers and cooling towers

- Swimming pools

- Spas and whirlpools

- Car washes

- Dry cleaning carbonators

- Chemical dispensing equipment

- Film development equipment (except x-ray film processors protected by an integral backflow prevention device or integral air gap manufactured as a unit) conforming to a national standard is acceptable to the District and installed in accordance with the manufacturer's requirements.

- Medical equipment

- Laboratory equipment

- Chemical handling facilities

- Hydrant usage for other than firefighting or flushing

- Others as determined by the District

- g. Fire Protection systems shall be equipped at minimum with a double check valve backflow prevention device as described in AWWA Manual M-14. A reduced pressure backflow preventer shall be required on any fire suppression system in which chemicals are added.

## 5. Installation

- a. Backflow prevention devices shall be installed in accordance with the manufacturer's instructions.
- b. All backflow prevention devices with test ports shall be installed between one and five feet above the floor in a horizontal position. Installation in a pit is prohibited unless approved by the District.



- c. Pressure vacuum breakers shall be installed a minimum of 12 inches above the highest head and at least 12 inches above the surrounding ground.
- d. If a bypass is installed around a backflow prevention device, the bypass shall also be equipped with a similar device.

6. Survey

- a. At least once every five years, customers of the District shall be required to assess and report potential backflow and back-siphonage hazards to the District on a form supplied by the District. The customer shall take any steps necessary for protection of public health and safety as determined by the District.

7. Standards

- a. Any backflow prevention assembly required herein shall be a model and size approved by the District. All backflow prevention assemblies shall have been tested and approved or listed for the intended use by:

Foundation for Cross Connection Control and Hydrologic Research  
University of Southern California  
University Park  
Los Angeles, California 90089

## **Part VII: PUBLIC FIRE PROTECTION**

### **1. Operation of Fire Hydrants**

- a. Public fire hydrants are installed primarily for fire protection and this use is paramount to all others. Water from public hydrants used for fire fighting shall be provided free of charge.
- b. Hydrants may be used by others by license agreement with the District under the conditions and rates established by the Board for such services. Hydrants shall not be used for any other purpose without express permission of the District. Hydrant usage for other than fire fighting or flushing shall be adequately protected from backflow by the installation of an approved air gap or a reduced pressure backflow prevention assembly.

### **2. Penalty for Unauthorized Use**

- a. Anyone who shall operate or attempt to operate fire hydrant without permission of the District may be prosecuted as provided by law.

### **3. Relocation of Public Fire Hydrants**

- a. If a property owner requests the District to relocate an existing public fire hydrant, the owner may make a request to the Board of Trustees and if granted, the District will cause the work to be performed all at the expense of the property owner, which expense shall be paid in advance.
- b. If the District changes the grade of an existing street at the request of a property owner, or a property owner, with prior approval of the Board of Trustees of the District, changes the grade in the right of way abutting the property owner's property, where a public fire hydrant is located, the hydrant will be raised or lowered at the property owner's expense.

### **4. Obstruction of Hydrants**

- a. Nothing shall be erected or planted which shall interfere with the use of a fire hydrant. Sufficient clearance shall be maintained around the hydrant to permit easy connection of hoses and full circle operation of the hydrant using regular hydrant wrenches and hose spanners.
- b. Shrubs, trees, flowers or weeds, shall not be planted nor permitted to grow so as to prevent full view of a fire hydrant from the street.

## **Part VIII: PRIVATE FIRE PROTECTION SYSTEMS**

### **1. Definition**

- a. Private fire protection systems consist of:
  - 1) Unmetered fire service connections to the District's mains including any or all of the following: hose connection(s), standpipe(s), automatic sprinkler system(s), fire pump(s), fire hydrant(s).

### **2. Operation**

- a. Private fire protection systems are installed primarily for fire protection for the property on which they are installed and are not to be used for any other purpose without the express permission of the District. All fire service openings will be kept closed and sealed, except in the case of fire. No water shall be used from the fire protection system pipes, except to extinguish fires.

### **3. Permit for Installation**

- a. No unmetered private fire protection system, or modifications or additions to an existing system shall be installed without a permit from the District.
- b. Application for a private fire protection system, or modification or addition to an existing system shall be made to the District and shall be accompanied by plans showing details of size, type and location of the connection, fire line(s), pump(s), standpipe(s), sprinkler system(s) and hydrant(s).

### **4. Design, Installation, Inspection and Maintenance**

- a. Private fire protection system service connections, piping and appurtenances design, installation, inspection and maintenance shall comply with applicable portions of Paragraphs 2, 3, 4, 5 and 6, Part V, of these Rules and Regulations and applicable State Fire Marshal Regulations.
- b. Approval and inspection by the District shall not assure adequacy of operation or protect the user or owner from damage resulting from the system failure. The owner and user will retain all such liability as a condition of service.

### **5. Combination Service from Private Fire Protection System**

- a. A combination domestic water service and fire service line as outlined in Part V of these Rules and Regulations, may be installed if approved by the owner's fire underwriter. In addition to the valve required at the main, additional valves must be installed on each of the service branches, including the private fire service, so

that each line may be controlled independently. Domestic water service branches shall be metered in accordance with Part IX of these Rules.

## 6. Private Fire Hydrants

- a. Private fire hydrants are fire hydrants located on privately owned real estate, except those located on easement provided under Part X, or on publicly owned streets not dedicated to public use. A private fire hydrant shall be the property of the owner of the real estate and shall be used for fire protection only.
  - 1) Private fire hydrants shall conform to the requirements of Part VII of these Rules and Regulations and to the District's color coding for fire hydrants.
- b. Private fire hydrants shall meet the requirements of the District's specifications for fire hydrants and shall be installed in accordance with the manufacturer's instructions.
- c. Private fire hydrants shall have a gate valve installed on the hydrant branch to isolate the hydrant.
- d. Private fire hydrants shall be connected to the District's system by a six-inch diameter or larger pipe.
- e. Private fire hydrants, upon the District's inspection and approval, shall be designated "certified private fire hydrants." Upon certification, the District Utilities Operator shall place a 3-inch black stripe around the hydrant barrel. The District shall provide basic maintenance of private fire hydrants that consists of replacement of parts worn by normal use. The District shall provide additional maintenance and repair at the owner's request and expense.
  - 1) Replacement of obsolete private fire hydrants and repair or replacement of hydrants or parts damaged by physical abuse or improper operation, shall be at the owner's expense.

## 7. Penalties for Improper Use

- a. As a condition of service, owners and users of private fire protection systems agree to give free access of the premises protected to the employees of the District for the purposes of inspecting the pipes, valves, opening and sealing valves of the private fire protection system.
- b. When the owners or occupants of any premises are found to be using water from a private fire protection system for purposes other than fire protection, the District reserves the right to require the installation of an approved fire line meter, or an additional line and meter, at the owner's expense, and to charge the user for

water the District estimates to have been consumed and any administrative cost encountered by the District.

- c. When a meter is required, the service shall continue to be defined as a Private Fire Protection System and in addition to paying all monthly charges normally required of a metered service, applicable fees and conditions for Private Fire Protection Systems shall also apply.

**Part IX: WATER METERS**

1. General

- a. All water used shall be metered except for fire fighting and unmetered private fire protection services as provided herein.

2. Requirements

a. Single-Family Residential.

- 1) Each individual single-family residence shall have its own meter. Submetered service from another metered line is prohibited. Water lines shall not be extended to another residence or place of business.
- 2) A rear single-family residence currently served by a water line through a front single-family residence may continue to be served in this manner provided that both are on the same lot and under the same ownership, regardless of any major repairs on the service line to the front house.
  - a) Upon review and approval by the District’s Utilities Operator, the main water service may be branched to the rear single-family residence pursuant to these Rules and Regulations regarding Master Services.
  - b) If the rear single family residence is sold, replaced, or the property is divided, a direct service shall be installed.

b. Multi-Family Residential (Two or more living units under a common roof). Each building shall have at least one meter that does not take water from another metered line or building.

- 1) Additional meters for any number of customers may be purchased and will be read and billed individually by the District at prevailing rates, provided that:
  - a) They are installed on a multiple meter header centrally located near a service entrance in an area of public access.
  - b) They are located in individual units in which case a separate water service line from the District’s main or condominium service shall be required for each individual unit.
- 2) Central metering of more than one building in a complex is prohibited.

- c. Commercial Buildings
  - 1) Each individual building not under the same roof shall be separately metered.
  - 2) Additional meters may be purchased and installed for tenants in the same building provided they are all located near the service entrance and are not submeters.
  - 3) A separate meter for each tenant may be installed, provided that, there is an individual service from a main, a master service or a combination service.
- d. Industrial Buildings and Plants/Complexes may be centrally metered, provided that the buildings are all required for a central operation and are not separated by a dedicated street.
- e. Institutions. Universities, public housing complexes and other institutions with a number of buildings may be centrally metered if they are not separated by a dedicated street and are owned and operated by a governmental entity or a charitable institution. Central metering of such institutions shall be requested in writing and is subject to the approval of the District.

### 3. Types of Meters

- a. Residents shall obtain all water meters and MXUs from the District. When installation of a compound, fire or special metering device is required for proper metering, it shall be at the owner's expense.

### 4. Size of Meters

- a. New water meters shall be a minimum of 3/4 inch. A 5/8 inch water meter shall be allowed to be installed only as follows:
  - 1) When replacing an existing 5/8 inch meter, providing the demand on the new meter has not increased.
  - 2) Individually tenant metered, multi-family residential buildings for domestic use only and approved by the District's Utilities Operator.
  - 3) For residential customers, the customer, a plumber or an architect shall properly size all meters. The sizing of meters over 1 inch shall be subject to the approval of the District's Utilities Operator. Information relevant to sizing of meters shall be furnished to the District upon request.
  - 4) For industrial and commercial customers, the customer, a plumber or an architect shall properly size meters of 1 inch or less. The District shall size

meters over 1 inch in size. Information relevant to sizing of the meter shall be furnished to the District upon request.

## 5. Ownership

- a. All meters and MXUs used for billing purposes, except hydrant meters, shall be purchased from the District. All meters, valves, piping and other appurtenances related to a meter installation are the property of the owner and shall be maintained by the owner. The District may read, inspect or test any meter at any reasonable time or with such frequency as it deems advisable. It is the property owner's responsibility to maintain meters and MXUs in good working order to accurately measure water used. Upon notification from the District or its Utilities Operator that the meter and/or MXU is not functioning properly or has reached the end-of-life, the property owner shall immediately cause the same to be repaired or replaced. The replacement meter and/or MXU shall be purchased from the District at the cost outlined in the District's water fee ordinance. If the property owner fails or refuses to do so, the District is authorized to discontinue water service until the property owner makes the necessary repairs or replacement. All costs incurred by the District to discontinue water service for these reasons, including any fees set forth in the District's water and sewer fee ordinance shall be charged to the property owner and paid prior to the restart of water services.
- b. All meters shall remain at the location where the meters were installed, except for temporary meters.

## 6. Installation

- a. Property owners shall purchase water meters and MXUs from the District at the charge set forth in the District's water fee ordinance, which may be amended from time to time. The property owner shall have an experienced plumber install the water meter at the owner's expense. A properly bonded ground consisting of a copper cable or wire shall be installed with the meter in accordance with the National Electric Code.
- b. A meter 1 ½ inches or larger shall not be installed or maintained unless adequate data is submitted to, and approved by, the District or its Utilities Operator showing that a meter of that size is necessary because of the character of the water usage.

## 7. Meter Location

- a. Meters Inside Buildings:
  - 1) Water meters inside buildings shall be installed in a horizontal position, at a height where they may be easily read, and as near as possible to the point where the water service enters the building.



- 2) Water meters inside buildings shall be equipped with an approved MXU.
  - 3) When an MXU cannot be used and a remote will be installed, the owner shall install a ½ inch conduit through the wall and the remote wire installation shall occur prior to the covering of interior walls and ceilings. The District may approve special installations.
- b. Meters shall not be exposed to damage by freezing. Meters shall be kept readily accessible and if obstructions exist which interfere with meter reading, meter testing, meter maintenance or meter removal, the District may discontinue water service until the obstructions are removed.
- 1) If the District cannot obtain regular meter readings, the District may install an MXU at the customer's expense.
- c. There shall be an adequate floor drain or access to the outside close enough to the test tee to reach with 50 feet of hose to dispose of water from meter testing. If a drain or access is not provided, the water meter will be periodically removed, transported to a suitable location for testing, returned and reset at the customer's expense.
- d. No devices of any kind, such as regulators or check valves, shall be installed between the meter shut-off valves other than the meter and test tee.
- e. Where unusual circumstances exist, the District may approve installation of an outside meter. Examples include, but are not limited to, long residential services, services to parks and services for irrigation only. Such requests shall be submitted in writing. The District may require an outside meter on a service that exceeds 350 feet in length, especially for situations like acreages. The outside meter shall be installed at a location that is as close as is practicable to the tap location. Except as provided below, the vault in which the meter is housed shall meet the following requirements:
- 1) It shall be a round brick vault laid in cement mortar, a round concrete vault or prefabricated round vault, which shall be not less than 42 inches in diameter inside at the bottom of the vault, and not be less than 5 ½ feet, nor more than 6 feet in depth.
    - a) The vault shall be installed to withstand the maximum loading to which it may be subjected.
    - b) Vaults potentially subject to vehicular traffic shall be able to withstand an H-20 live loading as defined by the American Association of State Highway and Transportation Officials

(AASHTO).

- 2) The lower 3 feet of the sides of the vault shall be vertical.
  - 3) The inside diameter of the vault at the ground level shall not be less than 24 inches. The sides from ground level to the lower section shall be tapered gradually or straight with a slab top if provided with steps on the side.
  - 4) The clearance space between the meter and its bypass, if one is used, and the walls of the vault shall be at least 18 inches.
  - 5) The space between the shut-off valves and the walls of the vault shall be at least 6 inches.
  - 6) The vault shall have a round manhole ring and cover having a minimum clear opening of 22 inches.
  - 7) There shall be a minimum distance of 10 feet between any water meter box or vault and any hydrant or standpipe. Provision shall be made for drainage away from the cover.
- f. Where the equipment to be housed is too large for a round vault, a rectangular vault may be used. Drawings for such vaults shall be approved by the District prior to the construction of the vault.
- g. The District shall approve the location of a meter vault prior to its construction.
8. Meter Bypass
- a. Bypass lines for emergency service shall be installed around meters 1 ½ inches in diameter and larger except for residential meters and meters used exclusively for lawn and sprinkling systems.
  - b. Bypass lines around meters 1 ½ inches in diameter and larger shall be either metered or locked and sealed to prevent accidental usage.
  - c. Bypass lines shall be designed, valved and installed in accordance with District specifications.
9. Maintenance
- a. The District will provide only the following maintenance on a meter:
    - 1) Residential

- a) Repair or replace the meter with either a new or rebuilt meter of the same size at any time the meter becomes inoperative through no fault of the customer, and there is no evidence of physical damage externally or damage to the interior of the meter from hot water, freezing, or other casualties, or through carelessness or neglect of the owner or customer.
    - (1) When there is evidence of physical damage to the meter, the customer shall be billed for the cost of a new meter.
    - (2) When there is evidence of excessive wear or damage indicating improper sizing of the meter by the customer, plumber or architect, the customer will be responsible for the cost of a new meter and applicable capital facilities charges.
  - b) The District will test or exchange the meter periodically to ascertain its accuracy. The exchange meter will be either new or rebuilt and will be the same size.
  - c) The District will test any meter upon application by the owner or customer and payment of a fee as stated in water service fee ordinance. The District shall refund the fee if the meter test indicates that the meter is operating more than 2 percent fast.
- 2) Industrial and Commercial
- a) Meters 1 inch and smaller shall be maintained in the same manner as residential meters.

10. Submeters

- a. Submeters are meters that measure water that has already been measured by another meter for billing purposes. The District will read submeters and distribute readings to the main meter owner at the rate stated in water service fee ordinance.
- b. Submeter bills will not be collected by the District nor will consumers using water measured by a submeter be considered as customers of the District. Submeters need not be located at or near the service entrance, but they shall be readily accessible for reading.
- c. All maintenance, repairs, and testing of submeters shall be at the owner's request and expense. The owner shall bring a submeter to the District's shop for repairs. Sewer use fee will not be billed on submeters, but only on the main meter.
- d. Existing submeters must be eliminated if more than one-half of the water service piping is replaced. The customer shall then meter the property in accordance with the requirements set forth in Part IX, 2, entitled "Requirements."

- e. New submeters are prohibited.

11. Private Meters

- a. Private meters are submeters not read or billed by the District or processing meters used for some other purpose. The use of and repairs to private meters are not the responsibility of the District, and the District shall have no liability to any party for the use of such private meters. The customer using a private meter shall have sole responsibility for it in all respects. If used to bill a third party, that arrangement shall in no way involve or include the District but shall be by agreement between the parties involved.

12. Changes in Load

- a. Any increase in the size of a meter required after the initial installation shall be at the owner's expense in the amount set forth in the District's water service fee ordinance. In cases where ownership, production or other changes result in a substantially oversized meter, the District may require the owner to install a smaller meter.

**Part X: WATER MAIN AND SANITARY SEWER MAIN EXTENSIONS**

1. General

- a. All water main extensions or additions shall be approved by the Board of Trustees of the District. The Resolution of Necessity adopted for purposes of authorizing the extension shall include the financial means of payment for the same, whether by special assessment or by direct contribution to be paid by the owners or developers of properties fronting right-of-way in accordance. All requests for water main extensions shall be made to the District through the Clerk of the Board of Trustees.
  - 1) For the purpose of connection charges to be made pursuant to these Rules and Regulations, a property shall be considered to front a main when such property is benefitted by the existence of such main, is not assessed for other parallel water mains in the same right-of-way, and may receive water service from such main even though such property may not physically front upon such main because of intervening property occupied for purposes such as road or railroad.
- b. Where water mains are requested or required to be installed, such mains shall be installed across the entire right-of-way frontage of the property, unless it is determined by the District that no benefit will result therefrom. For property other than single-family residential, additional mains may be required as provided in Part III, Paragraph 1, of these Rules and Regulations.

2. Contract

- a. Mains installed in new areas or partially developed areas primarily at the request of a developer or other individual require the person or firm desiring the main request the proposal of a Resolution of Necessity by the Board of Trustees of the District. The same shall address the financial obligations of the parties if by way of special assessment, and if by private contribution rather than special assessment, then there shall be a contract entered into by the private party with the District Board of Trustees for the payment of said contribution. If the District determines there are special conditions existing to upsize the water main, the applicant may be required to pay the cost of a larger main or portion thereof.
- b. If the Resolution of Necessity calls for the applicant to pay privately rather than by special assessment, the applicant shall pay the estimated cost of the main installation prior to installation. Upon completion of installation, the District shall determine the actual cost of installation of the main and thereafter refund any overpayment. If during construction it becomes apparent to the District that the cost will exceed the estimated payment made by the applicant, the District shall bill the applicant for additional down payment and work shall not proceed until said

additional funds are received by the District. No interest shall be paid on any overpayment.

3. Connection Charge

- a. When the District installs water mains and/or sanitary sewer mains pursuant to a Resolution of Necessity, persons with property benefitting from such mains may tap them upon proper application and by paying a connection charge pursuant to the water and sewer service fee ordinance. This charge is in addition to any special assessments imposed as a result of the benefit to the property adopted pursuant to statute per front footage owned by the property owner. The connection charge, as opposed to the special assessment, shall be paid at the time the main is tapped.

4. Water Main and Sewer Main Extension Costs Assessed to all Specially Benefitted Property

- a. When the Board of Trustees adopts a resolution of necessity to extend a water or sewer main, the resolution may provide for the imposition of a special assessment on benefitted lots pursuant to statute. The diameter and length of any such water and/or sewer mains will be determined by the District's Board of Trustees and all statutory procedures shall be satisfied in the adoption of the resolution of necessity before the Board of Trustees proceeds with the installation and special assessment of the costs thereof.

**Part XI: RATES**

1. Rates for General Water Use

- a. All water shall be supplied to customers by meter measurement obtained through a water service or a hydrant meter connection complying with these Rules and Regulations at the rates established by the Board of Trustees of the District, and as amended from time to time.

2. Rates for Private Fire Protection System Service

- a. Users of private fire protection systems will pay any or all of the following applicable fees, rates and charges, in addition to any others which may be required in other sections of these Rules and Regulations or in the water service fee ordinance:
  - 1) Demand Charges. Each unmetered private fire protection system connected to a District water main shall pay a demand charge for system capacity necessary to supply the private fire protection system with water in the event it is used. The charge will be established by the Board of Trustees and is subject to change from time to time.
  - 2) Water Used on Fires. Water used from unmetered fire protection systems for extinguishing fires will not be billed.
  - 3) Maintenance of Hydrants. Where the District provides maintenance service on either a private hydrant or a certified private fire hydrant, the user will pay for maintenance based on charges established by the Board of Trustees.

3. Rates for Water Used from Fire Hydrant Meter Connections

- a. Upon application, a license may be issued to operate fire hydrants. License granted hereunder shall be subject to conditions and requirements established from time to time by the Board of Trustees of the District.

4. Temporary Rate for Exceptional Use of Water

- a. In case of an application for use of water under conditions or for a special purpose not herein described, the Board of Trustees may make a temporary rate to fit the case.

## Part XII: WATER CONSERVATION PLAN

The District has implemented a Water Conservation Plan that outlines the actions residents must take based on different stages of the District Water System.

1. Stage 1: Normal – The water system is operating as expected however during summer months when usage is very high residents are asked to voluntarily follow the watering schedule outlined below to help reduce stress on the water system. Residents with *smart sprinkler* controllers should let their controller control the watering. Smart controllers will only water when needed.
  - a. Monday – no watering
  - b. Tuesday, Thursday, and Saturday – Even numbered addresses
  - c. Wednesday, Friday, and Sunday – Odd numbered addresses.
  
2. Stage 2: Water System Under Stress – The watering schedules outlined in Stage 1 will become mandatory if the District’s Water System Operator determines the water system is under stress and water usage must be curtailed to help prevent system.
  - a. The District will provide a minimum of 2 weeks notice before the implementation of Stage 2 mandatory water restrictions via social media, text message and the District’s website.
  - b. These restrictions shall not apply for the first thirty (30) days following the property owner’s installation of new seed or sod.
  - c. Residents that water lawn and landscaping with a rainwater reclamation system or the resident’s private sand point well, and do not use the District’s water system are exempt from these rules and regulations
  
3. Stage 3: Water Emergency - The District’s Water System Operator determines that a water shortage is predicted due to drought or in the event of equipment failure, the District’s Water and Sewer Committee may limit lawn and landscaping to two days per week following the schedule outlined below. If a resident waters the lawn and landscaping only with a rainwater reclamation system or the owner’s private sand point well, and does not use the District’s water system, the owner is exempt from these rules and regulations
  - a. Tuesday and Saturday – Even numbered addresses.
  - b. Wednesday and Sunday – Odd numbered addresses
  - c. The District will place *Water System Emergency* signs at all entrances to Buccaneer Bay and inform residents via social media, text message and the Districts website.
  - d. Residents that water lawn and landscaping with a rainwater reclamation system or



the resident's private sand point well, and do not use the District's water system are exempt from these rules and regulations

4. Stage 4: Water System Failure - If the District's Water and Sewer Committee determines there has been a Water System Failure, there is a drought of sufficient intensity, an equipment failure, or other cause that may result in a water system failure, watering will be limited as follows:
  - a. Priority will be placed on public safety and public health
  - b. No external use of water is allowed during the Water System Failure, and all water use may be suspended if necessary.
  - c. The District will place *Water System Failure* signs at all entrances to Buccaneer Bay and inform residents via social media, text message and the Districts website.
  - d. Residents that water lawn and landscaping with a rainwater reclamation system or the resident's private sand point well may continue to do so however all water usage from the District's water system are subject to these rules and regulations
  
5. Violating the restrictions set forth herein shall result in the following enforcement actions:
  - a. 1<sup>ST</sup> violation: written warning.
  - b. 2<sup>ND</sup> violation: a \$50 Water Service Fee applied to the next month's water bill.
  - c. 3<sup>RD</sup> and subsequent violations: a \$100 Water Service Fee applied to the next month's water bill, unless it is determined by the Board of Trustees that the violations warrant notice of shut off for further violations and there is a further violation, in which event water service will be shut off.

## **Part XIII: PROCEDURES FOR WATER LEAKS**

### **1. General**

- a. The customer/homeowner is responsible for all costs to repair the water service between the water main and the residence per Part II, 5f of this document.

### **2. Steps to Follow to Repair Water Leaks**

- a. When a water leak occurs in the District the following steps are to be followed.
  - (1) Immediately notify the District's contractor.
  - (2) The District's contractor shall shut the water off at the curb stop and assist the resident in determining the location of the leak.
  - (3) If the leak is in the service line (from the water main to the house); the property owner is responsible for contacting a contractor to repair the leak. The water shall remain off until the property owner has fixed the leak. Once the leak has been fixed the property owner is to call the District's contractor to have the water turned back on.
  - (4) The District shall be responsible for repairing all water main leaks.

### **3. Protection of the District's Water System**

- a. In order to protect the District's water system, if the customer/homeowner does not have a contractor called out within 2 hours, or if the customer/homeowner cannot be contacted, the District shall call a contractor to perform the repairs. The resident shall be billed for the cost of the repairs.