

APPENDIX A

AMENDED AND RESTATED RULES AND REGULATIONS
GOVERNING WATER AND SANITARY SEWER FACILITIES,
SERVICE LINES, AND CONNECTIONS

THE STATE OF TEXAS §
COUNTY OF HARRIS §
KLEINWOOD MUNICIPAL UTILITY DISTRICT §

ARTICLE I.
PURPOSE

The following Amended and Restated Rules and Regulations Governing Water and Sanitary Sewer Facilities, Service Lines, and Connections (the "Rules and Regulations") shall govern the design, installation and inspection of all connections and taps made to the District's water distribution system and sanitary sewer collection system, the limitations of the flow of waste into the sanitary sewer system, protection of all facilities which are part of the District's waterworks and sanitary sewer system, and the enforcement of these Rules and Regulations.

ARTICLE II.
GENERAL

Section 2.01. **Definitions.**

A. **Customer** is any person, partnership, corporation, non-profit corporation, trust or other legal entity served by the District with water and/or sewer services to a residence or business establishment.

B. **District** is Kleinwood Municipal Utility District of Harris County, Texas, a political subdivision of the State of Texas.

C. **Engineer** is the person, company or corporation which is under contract with the District to design the District's Water Supply System and Sanitary Sewer Collection System and performs any additional services as set forth in the contract with the District.

D. **High Health Hazard** is a cross-connection, potential cross-connection, or any other situation involving any substance that can cause death, illness, spread of disease, or that has a high possibility of causing such effects if introduced into the District's Water Supply System.

E. **Operator** is the person, company or corporation which is under contract with the District to operate the District's Water Supply System and Sanitary Sewer Collection System, collect amounts owed to the District for such services, report monthly to the District on the operations of the District's Water Supply System and Sanitary Sewer Collection System and perform any additional services as set forth in the contract with the District.

F. **Rate Order** shall mean the District's Order Adopting Consolidated Rate Order and Rules and Regulations; Establishing Policy Regulating Water Use During Emergencies; Establishing a Wastewater Control Order; and Providing Penalties for Violation Thereof which may be amended from time to time.

G. **Sanitary Sewer Collection System** constitutes the underground sanitary sewer lines owned or leased and operated by the District. This system is composed of all interconnecting laterals, mains, and trunk lines with manholes, clean-outs, stacks, tees, and wyes located within the publicly dedicated utility easements owned or leased and operated by the District. This system is maintained by the District.

H. **Sanitary Sewer Service Line** is any line from a residential dwelling or commercial building which connects with the District's Sanitary Sewer Collection System, including any grease traps or other facilities constructed to prevent non-domestic waste from being introduced into the District's Sanitary Sewer Collection System. This service line is owned and maintained by the property owner of the residential dwelling or commercial building.

I. **Sewer Tap** is the physical connection between the Sanitary Sewer Service Line and the District's Sanitary Sewer Collection System.

J. **Sewer Tap Inspection** is the inspection performed by the District's Operator to assure that the proper materials and connections to the Sanitary Sewer Collection System have been accomplished in accordance with these Rules and Regulations.

K. **State Approved Plumbing Code** is a set of rules governing plumbing practices which are at least as stringent and comprehensive as one of the following nationally recognized codes:

1. Southern Standard Plumbing Code.
2. Uniform Plumbing Code.
3. National Standard Plumbing Code.

L. **Tap Fee** is the fee paid to the District to obtain a water meter and sewer inspection for any dwelling. The amount of the Tap Fee shall be established in the District's Rate Order and may be modified or changed at any time.

M. **Utility Easement** is an interest in land, granted by dedication, to public utility entities, including the District, to install and maintain utilities across, over, or under private land together with the right to enter thereon with machinery, other vehicles and personnel necessary for the maintenance, repair or construction of said utilities.

N. **Water Supply System** is composed of all water lines, valves, valve boxes, flushing valves, blow off valves, water meters, water meter service lines, and meter boxes located within public rights-of-way or easements owned or leased and operated by the District. This system is maintained by the District.

O. **Water Meter** is the recording device that registers the amounts of water consumed by each Customer of the District. This meter is owned and maintained by the District.

P. **Water Service Line** is any line from a residential dwelling or commercial building, which connects to the District's Water Supply System. This service line is owned and maintained by the property owner of the residential dwelling or commercial structure.

Q. **Water Tap** is the physical connection of any Water Service Line to the District's Water Supply System. Such connection will be made only by the District's Operator.

Section 2.02. Platting Requirement.

No connection shall be made to the District's Water Supply System or Sanitary Sewer Collection System unless the tract, parcel, or lot of land to be served by such connection:

A. was first connected to the District's Water Supply System or Sanitary Sewer Collection System prior to September 1, 1987, or

B. is part of an area covered by a development plat duly approved and recorded pursuant to Sections 212.0115 and 212.012 of the Local Government Code, as amended, or

C. is not required to be platted and written certification to that effect, in accordance with Section 212.0115(e), has been presented to the District's Operator.

Section 2.03. Approval of Plans and Specifications.

Prior to any non-residential connection to the District's Water Supply System or the Sanitary Sewer Collection System, the plans and specifications for the Sanitary Sewer Service Line and the Water Service Line must be submitted the District's Engineer for review and approval. Upon the Engineer's review and approval, the plans and specifications shall then be submitted to the District's Operator for review and approval. The cost of the review and approval of the plans and specification by the District's Engineer and Operator shall be paid by the Customer.

ARTICLE III.
WATER CONNECTIONS

Section 3.01. Water Tap Materials. Only the following types of pipe and fitting materials shall be approved for the installation of Water Taps, including residential Water Taps and commercial Water Taps:

- A. Any meter approved by the City of Houston;
- B. Brass curb stops, corp. stops, and related fittings manufactured by Ford, Hays or Muller;
- C. Polyethylene water service pipe, 3/4" to 2";
- D. Cast iron or vinyl iron (C-900) water service pipe, larger than 2";
- E. Water main pipe of the type originally installed;

- F. Plastic meter box up to 2" meter;
- G. Concrete meter box, where traffic use is specified; and
- H. Concrete meter vault per City of Houston specifications for 3" and larger meter.

Section 3.02. Plumbing Material Prohibitions.

A. Prohibited Materials.

The use of the following materials are prohibited for the installation and repair of the District's Water Supply System and for the installation and repair of any private plumbing facilities:

- 1. any pipe or pipe fitting which contains more than 8.0% lead; and
- 2. any solder or flux which contains more than 0.2% lead.

This prohibition may be waived for lead joints that are necessary for repairs to cast iron pipe.

B. Certificate of Compliance.

No new connections to the District's Water Supply System shall be made unless a state licensed plumber first submits in writing to the District a Certificate of Compliance, as set forth in Exhibit "1" attached hereto, specifying that the new connection complies with the plumbing material prohibition contained in Section 3.02(A) hereof. The Certificate of Compliance shall be signed by the licensed plumber and must be submitted to the District's Operator prior to continuous service being supplied. The District shall not accept any Tap Fee that is not accompanied by a Certificate of Compliance.

Section 3.03. Installation.

A. An Application for Service, a copy of which is attached hereto as Exhibit "5," must be filed with the District's Operator. The Customer must pay to the District's Operator all Tap Fees, inspection fees and deposits, as described in the District's Rate Order.

B. All Water Taps to the District's Water Supply System shall be installed only by the District's Operator.

C. The District's Operator shall install Water Taps and set meters at a location on adjoining property lines, whenever possible, with the meter box being located in the easement adjacent to the property line and with two (2) meters per box, where appropriate.

D. The District's Operator shall be responsible for all repairs to the Water Taps.

E. After installation of the Water Tap, connection of the Water Service Line shall be made at the expense of the Customer. (Note: This line shall be tested for leaks since all water recorded through the meter will be charged to the Customer).

F. After connection to the District's Water Supply System, the Water Service Line should be thoroughly flushed as to prevent foreign matter from entering the household system.

Section 3.04. Customer Service Inspection Certifications.

A. A Customer Service Inspection Certification, as described in Exhibit "2" attached hereto, shall be completed prior to providing continuous water service to any new construction, on any existing service where the District has reason to believe that cross-connections or other unacceptable plumbing practices exist, and after any material improvement, correction, or addition to private plumbing facilities. Prior to the District initiating continuous service, a Customer shall provide a Customer Service Inspection Certification to the District. The Customer Service Inspection Certification may only be performed by those individuals described in Subsection B of this Section 3.04. For Customer Service Inspection Certifications performed by the District's Operator, the Customer must pay the District the Customer Service Inspection Fee prior to the Operator performing the inspection and certification. Copies of properly completed Customer Service Inspection Certifications shall be kept on file by the District's Operator and made available, upon request, for Texas Natural Resource Conservation Commission ("TNRCC") review. Inspection certifications shall be retained for a minimum of ten (10) years. Failure to provide a Customer Service Inspection Certification in accordance with this Section 3.04 shall constitute a violation of these Rules and Regulations and such violation shall be subject to the enforcement provisions set forth in Article X hereof.

B. Individuals with the following credentials shall be recognized as capable of conducting a Customer Service Inspection Certification:

1. Plumbing Inspectors and Water Supply Protection Specialists licensed by the Texas State Board of Plumbing Examiners; and

2. Certified Waterworks Operators and members of other water related professional groups who have completed a training course, passed an examination administered by the TNRCC or its designated agent.

C. Private plumbing facilities in violation of Article III hereof shall constitute an unacceptable plumbing practice and violation of these Rules and Regulations. If an unacceptable plumbing practice is discovered, the Customer shall eliminate the unacceptable plumbing practice within thirty (30) days from the date of discovery to prevent possible contamination of the District's Water Supply System. The existence of a serious threat to the integrity of the District's Water Supply System shall be considered sufficient grounds for immediate termination of water service. Service can be restored only when the source of potential contamination no longer exists, or when sufficient additional safeguards have been taken, and a Customer Service Inspection Certification confirming correction of unacceptable plumbing practices has been submitted to the District.

D. The Customer Service Inspection Certification shall certify that:

1. No direct connection between the District's Water Supply System and a potential source of contamination exists. Potential sources of contamination are isolated from the District's Water Supply System by an air gap or an appropriate back flow prevention assembly in accordance with state plumbing regulations. Additionally, all pressure relief valves and thermal expansion devices are in compliance with state plumbing regulations.

2. No cross-connection between the District's Water Supply System and a private water source exists. Where an actual air gap is not maintained between the District's Water Supply System and a private water supply, an approved reduced pressure-zone back flow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a recognized back flow prevention assembly tester.

3. No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the District's Water Supply System.

4. No pipe or pipe fitting which contains more than 8.0% lead exists in private plumbing facilities installed on or after July 1, 1988.

5. No solder or flux which contains more than 0.2% lead exists in private plumbing facilities installed on or after July 1, 1988.

6. No new or replacement plumbing fixture is installed which is not in compliance with a State Approved Plumbing Code.

Section 3.05. Prohibited Connections.

A. No water connection from the District's Water Supply System shall be made to any establishment where an actual or potential contamination or system hazard exists without an air gap separation between the drinking water supply and the source of potential contamination. Where a containment air gap is impractical, individual "internal" air gaps or mechanical back flow prevention devices shall be required at the meter in the form of a back flow prevention device (in accordance with AWWA Standards C510 and C511 and AWWA Manual M14) on those establishments handling substances deleterious or hazardous to the public health.

B. No water connection from the District's Water Supply System shall be made to any condensing, cooling, or industrial process or any other system of non-potable usage over which the District does not have sanitary control, unless the said connection is made in accordance with the requirements of paragraph (A) of this section. Water from such systems cannot be returned to the District's Water Supply System.

C. Overhead bulk water dispensing stations must be provided with an air gap between the filling outlet hose and the receiving tank to protect against back siphon age and cross-contamination.

D. No connection to the District's Water Supply System shall be made which is in violation of Section 602.0 of the Uniform Plumbing Code concerning unlawful connections.

Section 3.06. Backflow Prevention Assemblies.

A. Backflow prevention assemblies shall be installed on any connection which poses a High Health Hazard and any other connection which the District or the District's Operator reasonably believes poses a threat to the District's Water Supply System. Water service provided for lawn sprinklers, swimming pool supply, reflection pool supply or other such applications must incorporate a back flow prevention assembly in accordance with Section 603 *et seq.* of the Uniform Plumbing Code for the particular designated use. No permanent water service will be provided or continued to any new connection in the District which requires a back flow prevention assembly, unless the Customer provides the District with a Back flow Prevention Assembly Test and Maintenance Report (the "Test Report"), as described in Exhibit "3" attached hereto. At the request of the customer, the District's Operator may, on behalf of the District, install the back flow prevention assembly and complete the Test Report at the Customer's cost.

B. Effective January 1, 1996, all back flow prevention assemblies shall be tested upon installation by a Recognized Back flow Prevention Assembly Tester and certified to be operating within specifications. The Test Report, as described in Exhibit "3" attached hereto, shall be retained for a minimum of three (3) years. The District shall provide these records to the TNRCC for inspection upon request. Backflow prevention assemblies which are installed to provide protection against High Health Hazards must also be tested and certified to be operating within specifications at least annually by a Recognized Backflow Prevention Device Tester.

C. Recognized Back flow Prevention Device Testers shall have completed a TNRCC approved course on cross-connection control and back flow prevention and passed an examination administered by the TNRCC or its designated agent. The accredited tester classification shall be broken down into two categories:

1. The "General Tester" is qualified to test and repair back flow prevention assemblies on any domestic, commercial, industrial or irrigation service.

2. The "Fire line Tester" is qualified to test and repair back flow prevention assemblies on fire lines only. The State Fire Marshall's office requires that a person performing maintenance on fire lines must be employed by an Approved Fire line Contractor.

D. Individuals who can show proof of completion of a course and passage of an exam based on the ABPA or ASSE National Exam, prior to the effective date of these regulations, may be recognized as accredited for the term of their current certification (not to exceed three (3) years).

E. Gauges used in the testing of back flow prevention assemblies shall be tested for accuracy annually in accordance with the University of Southern California's Foundation of Cross- Connection Control and Hydraulic Research and/or the American Water Works Association Manual of Cross Connection Control (Manual M-14). Test gauge serial numbers must be included on the Test Report and Recognized Back flow Prevention Device Testers shall have gauges tested for accuracy.

F. A Test Report must be completed by the Recognized Back flow Prevention Assembly Tester for each assembly tested. The signed and dated original must be submitted to the District's Operator for record keeping purposes.

G. Repairs to back flow prevention assemblies shall be performed by authorized individuals as recognized by the Texas State Board of Plumbing Examiners, the TNRCC, Texas Irrigators Advisory Council, or the Texas Commission on Fire Protection-State Fire Marshall's Office, depending upon application and use.

H. The use of a back flow prevention device at the service connection shall be considered as additional back flow protection and shall not negate the use of back flow protection on internal hazards as outlined and enforced by a State Approved Plumbing Code.

Section 3.07. Customer Service Agreements.

A. The District is responsible for protecting its Water Supply System from contamination or pollution which can result from unacceptable plumbing practices. To this end, the District has adopted plumbing restrictions to provide protection to the District's Water Supply System. To notify Customers of the plumbing restrictions which are in place, each Customer shall be required to sign a Customer Service Agreement, as described in Exhibit "4" attached hereto, before the District will begin service.

The District will maintain a copy of the Customer Service Agreement as long as the Customer and/or the premises is connected to the District.

B. The Customer shall allow his/her property to be inspected for possible cross-connections and other unacceptable plumbing practices. These inspections shall be conducted by the District or its designated agent prior to initiating new water service; when there is reason to believe that cross-connections or other unacceptable plumbing practices exist; or after any major changes to the private plumbing facilities. Inspections shall be conducted during the District's normal business hours.

- C. The District shall notify the Customer in writing of any cross-connection or other unacceptable plumbing practices which have been identified during the initial inspection or the periodic reinspection.
- D. The Customer shall immediately correct any undesirable plumbing practice on his/her premises.
- E. The Customer shall, at his expense, properly install, test, and maintain any back flow prevention device required by the District. Copies of all testing and maintenance records shall be provided to the District.
- F. If a Customer fails to comply with the terms of the Customer Service Agreement, the District shall, at its option, either terminate service or properly install, test, and maintain an appropriate back flow prevention assembly at the service connection. Any expenses associated with the enforcement of the Customer Service Agreement shall be billed to the Customer.

ARTICLE IV.
SANITARY SEWER CONNECTIONS

Section 4.01. Sanitary Sewer Service Line Installation.

- A. Only one Sanitary Sewer Service Line connection to the District's Sanitary Sewer Collection System is permitted for each residence or commercial building. The Sanitary Sewer Service Line shall remain fully within the boundaries of the lot until the line reaches a utility easement or street right-of-way.
- B. No opening in the District's Sanitary Sewer Collection System will be allowed to remain overnight or during rain.
- C. All Sanitary Sewer Service Lines must be constructed to true alignment and grade. Warped and/or sagging lines will not be permitted. Sanitary Sewer Service Lines must have continuous contact with firm trench bottom throughout their entire run. Lines placed in such manner as to increase the likelihood of being displaced during backfill will be rejected.
- D. All Sanitary Sewer Service Lines should be run from wyes or stacks directly to the houses without meanders or bends.

Section 4.02. Sanitary Sewer Service Line Materials. Only the following types of pipe and fitting materials are approved for constructing Sanitary Sewer Service Lines. Pipe and fittings in each Sanitary Sewer Service Line must consist of the following material or other material approved by the District's Engineer:

- A. Vitrified clay pipe conforming to ASTM Specification C700 with joint coupling conforming to ASTM Specifications C425 or C594 and installed according to ASTM C12.
- B. Cast iron soil pipe, standard weight, conforming to ASTM Specification A74 with rubber gasket joint coupling conforming to ASTM Specification C564.
- C. Poly-vinyl-chloride PSM (PVC) pipe conforming to ASTM Specification D3034 or ASTM specification F789 (with UL listing)and installed according to ASTM D2321.
- D. Ductile Iron Pipe conforming to ANSI A21.51 with rubber gasket joints ANSI A21.11 and installed according to manufacturer's recommendations.
- E. Acrylonitrile-butadiene-styrene (ABS) pipe material conforming to ASTM Specification D2751.

Section 4.03. Size and Grade of Sanitary Sewer Service Lines.

- A. Minimum Sizes for Sanitary Sewer Service Lines shall be as follows:
 - 1. Residential- - 4 inches in diameter; and
 - 2. Commercial - - - 6 inches in diameter.
- B. The minimum grades for Sanitary Sewer Service Lines shall be as follows:
 - 1. 4 inch pipe - - - 14 inch drop per hundred feet (1.2%);
 - 2. 6 inch pipe - - - 8 inch drop per hundred feet (0.7%); and
 - 3. 8 inch pipe - - - 5 inch drop per hundred feet (0.4%).

- C. The maximum grades for Sewer Service Lines shall be as follows:
 - 1. 4 inch pipe - - - two and one-half feet drop per hundred feet (2.5%);
 - 2. 6 inch pipe - - - one and one-half feet drop per hundred feet (1.5%); and
 - 3. 8 inch pipe - - - one foot drop per hundred feet (1%).

Section 4.04. Connection of Building Sewer Outlet.

A. On all building waste outlets, the building tie-on connections shall be made directly to the stub-out from the building plumbing at the foundation.

B. Water-tight adapters of a type compatible with the materials being joined shall be used at the point of connection of a Sanitary Sewer Service Line to the building plumbing. No cement grout materials shall be permitted.

C. Unless an exception is permitted by the District's Operator, existing wye and stack connections must be utilized for connection of a Sanitary Sewer Service Line to the District's Sanitary Sewer Collection System.

Section 4.05. Fittings and Clean out.

A. No bends or turns at any point will be greater than forty-five degrees (45°).

B. Each horizontal Sanitary Sewer Service Line will be provided with a clean out at its upper terminal; and each such run of piping which is more than ninety (90) feet in length will be provided with a clean out for each ninety (90) feet or fraction thereof in the length of such piping.

C. Each clean out will be installed so that it opens in a direction opposite to the flow of the waste and, except in the case of wye branch and end-of-the-line clean out, clean out will be installed vertically above the flow line of the pipe.

D. Clean out will be made with air-tight mechanical plug.

Section 4.06. Installation of Sewer Taps and Issuance of Permits.

A. Sanitary Sewer Service Lines must be at least 24 inches below (vertically) and at least 9 feet from (horizontally) any Water Service Line (far side or near side connection). If this is not possible, a cast iron casing over the Water Service Line must be installed by the Customer, which casing will be inspected by the Operator.

B. Excavation for Sewer Taps shall be water tamped in all areas within 5 feet (vertically or horizontally) of any existing sewer lines, sidewalks or driveways. Soil not suitable for water tamping (clay modules, organic material or silty soils) shall be removed and replaced with suitable backfill materials.

C. All stacks shall be installed in locations shown on the plans. Stacks shall be capped and the cap lightly cemented in place. Wyes will not be installed by the line contractor. Wye saddles will be paid for in the line contract, but will be delivered to the District's Operator. The District's Operator will furnish the Customer a saddle at the time of inspection.

D. An Application for Service (a copy of which is attached as Exhibit "5") must be filed with the District's Operator prior to construction of any Sanitary Sewer Service Line, and the Tap Fee and/or Sewer Tap Inspection fee as established in the District's most current Rate Order should accompany the application. (Application forms are available from the District's Operator.) Construction of any Sanitary Sewer Service Line must not begin until the design of the Sanitary Sewer Service Line is approved by the District's Engineer and construction is authorized by the District's Operator.

E. When the Sanitary Sewer Service Line is complete, and prior to backfilling the pipe trench, the Customer shall request an inspection of the Sanitary Sewer Service Line. Requests for inspections (or reinspection) shall be made to the District's Operator at least twenty-four (24) hours in advance of the inspection.

F. The Sewer Tap shall be made only under the supervision of the District's Operator by use of an adapter of a type compatible with materials being joined. The Sewer Tap shall be watertight. No cement grout materials are permitted.

G. Any damage to the District's facility shall be repaired promptly by the Customer under the direction of the District's Operator. Major damage will be repaired by the District's Operator at the Customer's expense.

H. Backfilling of a Sanitary Sewer Service Line trench must be accomplished within twenty-four (24) hours of inspection and approval. Backfill material shall be sand or loam free of large lumps or clods. No debris will be permitted in the trench or backfill.

I. During inspection of the Sanitary Sewer Service Line, the District's Operator will examine all District facilities, such as manholes, valves, flush valves, and inlets on and adjacent to the lot. The connection permit will not be granted until any damage to these facilities has been repaired.

J. The District's Operator will complete the Inspection Form (a copy of which is attached as Exhibit "6") and file it for record with the Application.

K. A connection permit will be issued after the Sewer Tap Inspection is performed and the District's Operator confirms that all requirements of these Rules and Regulations have been met.

L. Connection permits which are rejected for any deficiency shall be promptly corrected and a reinspection requested. A reinspection fee as set forth in the District's Rate Order shall be paid at the time the reinspection is requested.

**ARTICLE V.
FEES AND CHARGES**

The District's fees and charges shall be as established by its Rate Order.

**ARTICLE VI.
EXCLUDED FLOW AND WASTE**

A. No waste material which is not biologically degradable will be permitted to discharge into the District's Sanitary Sewer Collection System, including mud and debris accumulated during service line installation. The Customer should refer to the District's Rate Order and Wastewater Control Order for specific information concerning acceptable discharges into the District's Sanitary Sewer Collection System. The Customer is to be fully responsible for cleaning and jetting lines of any dirt or debris permitted to enter during service construction.

B. No surface runoff water will be permitted to be discharged into the District's Sanitary Sewer Collection System, including but not limited to, down spouts and yard or area drains.

**ARTICLE VII.
PRIVATE WELLS/TANKS**

The construction of water wells and/or the installation of septic tanks is prohibited without prior written approval by the Board of Directors. Said approval, if granted by the Board of Directors, will state the purpose for the construction of a water well and the intended use of the water.

**ARTICLE VIII.
AVAILABILITY OF ACCESS/OBSTRUCTIONS**

By application for connection to the District's Sanitary Sewer Collection System and/or Water Supply System, the Customer shall be deemed to be granting to the District and its representatives a right of ingress and egress to and from the meter or point of service for such installation, maintenance and repair as the District, in its judgment, may deem reasonably necessary. The Customer shall also be deemed to be granting to the District and its representatives a right of ingress and egress to the Customer's property, including the interior and exterior of the Customer's premises, for the purpose of performing the inspections and completing the Customer Service Inspection Certifications required by these Rules and Regulations. Taps and connections will not be made when, in the opinion of the District's Engineer or Operator, the work area is obstructed by building materials or other debris or the work area is not completed or finished to grade. When sidewalks, driveways or other improvements have been constructed prior to application for service, such application shall be construed and accepted as the Customer's waiver of a claim for any damages to such improvements resulting from the reasonable actions of the District's Operator in installation of the connection.

**ARTICLE IX.
PROTECTION OF DISTRICT'S WATER SUPPLY SYSTEM AND
SANITARY SEWER COLLECTION SYSTEM**

A. Damage to the District's Water Supply System or the Sanitary Sewer Collection System by the District's Customers, including developers and builders' plumbers, will be repaired by the District at the Customer's expense.

B. After a water meter has been set or a fire hydrant installed, the Customer shall at all times keep the area in, around and upon such facilities and District easements and property under Customer's control free from rubbish

or obstructions of any kind, including shrubbery. Failure to keep such facilities and District easements and property under Customer's control free from rubbish or obstructions of other kind, including shrubbery, shall result in disconnection of water service and/or the assessment of charges necessary to remove said obstructions. Customers are prohibited from introducing material into the District's Sanitary Sewer Collection System which could cause obstruction of said system. In the event that an inspection by the District's Engineer or Operator reveals foreseeable damage to the District's Sanitary Sewer Collection System resulting from a Customer's failure to prevent obstructions from entering said system, the District reserves the right to remove the obstruction immediately and without notice. Any costs incurred by the District for removal of an obstruction to the District's system, plus a District administration fee of 20% of said costs, shall be assessed to the Customer.

C. It shall be unlawful for any person, unless authorized in writing by the District's Operator, to tamper or interfere with, obstruct access to, or as a result of willful action injure, deface, or destroy any facilities that are a part of the District's Water Supply System or Sanitary Sewer Collection System, including, with respect to the waterworks system, water plants, flushing valves, valve boxes, and water lines up to the meter box and including meters; provided, however, that duly authorized members of the local fire department shall have the right to use such flushing valves for fire protection purposes.

D. It shall be unlawful for any person to connect any building to the District's Water Supply System without a meter or to have a straight line connection to a building without being metered. It shall also be unlawful for any person, other than the District's Operator or Engineer, to draw water from the District's Water Supply System (except for the use of water for firefighting purposes) without being metered, including the unauthorized use of a flushing valve or un-metered water taps.

E. It shall be unlawful for any person to deposit, throw, drain, discharge, or otherwise cause to be injected into any sewer, manhole, catch basin, flush tank, or other facility that is a part of the District's Water Supply System or Sanitary Sewer Collection System any debris or foreign substance that would interfere with the proper and routine functioning thereof.

ARTICLE X. ENFORCEMENT OF RULES AND REGULATIONS

Any and all of the following remedies may be employed by the District to abate and prevent any violation of the provisions of these Rules and Regulations:

A. Discontinuance of water service.

B. Disconnection and sealing of sanitary sewer connection.

C. The Board hereby imposes the following civil penalties for breach of any rule or regulation of the District: The violator shall pay the District twice the costs the District has sustained due to the violation up to \$5,000. A penalty under this Section is in addition to any other penalty provided by the laws of this State and may be enforced by complaints filed in the appropriate court of jurisdiction in the county in which the District's principal office or meeting place is located. If the District prevails in any suit to enforce its rules, it may, in the same action, recover any reasonable fees for attorneys, expert witnesses, and other costs incurred by the District before the court. The amount of the attorneys' fees shall be fixed by the court.

D. A Customer found in violation of these Rules and Regulations shall be liable to the District for all expenses borne by the District including laboratory fees, legal fees, engineering fees and other costs incurred by the District in establishing the violation and resolving the cause of the violation.

E. A Customer found in violation of these Rules and Regulations who causes or contributes to a violation by the District's Sanitary Sewer Collection System of effluent parameters shall be liable to the District for all expenses borne by the District, including legal and engineering fees related to any lawsuit filed by federal, state, or local authorities regarding violations by the District of effluent parameters applicable to the District's Sanitary Sewer Collection System.

ARTICLE XI. EFFECTIVE DATE

These Rules and Regulations shall become effective immediately.

**EXHIBIT 1
TO APPENDIX A**

**CERTIFICATE OF COMPLIANCE
WITH
PROHIBITION ON USE OF SPECIFIED MATERIALS IN CONNECTIONS TO
MUNICIPAL UTILITY DISTRICT WATER SYSTEM**

I, _____, a duly licensed plumber in the State of Texas, hereby certify that the connection at _____ (the "Connection") complies in full with the "Prohibition of Use of Specified Materials" provision contained in the Amended and Restated Rules and Regulations for _____. I further certify that:

A. No direct connection between the District's Water Supply System and a potential source of contamination exists. Potential sources of contamination are isolated from the District Water Supply System by an air gap or an appropriate back flow prevention assembly in accordance with state plumbing regulations. Additionally, all pressure relief valves and thermal expansion devices are in compliance with state plumbing codes.

B. No cross connection between the District's Water Supply System and a private water system exists. Where an actual air gap is not maintained between the District's Water Supply System and a private water supply system, an approved reduced pressure-zone back flow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified back flow prevention device tester.

C. No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the District's Water Supply System.

D. No pipe or pipe fitting which contains more than 8.0% lead exists in private plumbing facilities installed on or after July 1, 1988.

E. No solder or flux which contains more than 0.2% lead exists in private plumbing facilities installed on or after July 1, 1988.

F. No plumbing fixture is installed which is not in compliance with a State Approved Plumbing Code.

These determinations have been made under my direction and supervision. I am aware that there are significant penalties for false certification, including the possibility of fine.

Signature

Printed Name

Company Name

Texas License No.: _____

Date

**EXHIBIT 2
TO APPENDIX A**

Service Inspection Certification

Name of District: _____

District I.D. #: _____

Location of Service: _____

I, _____ (*name of Inspector*), upon inspection of the private plumbing facilities connected to the Water Supply System of _____, do hereby certify that, to the best of my knowledge:

		Compliance	Non- Compliance	Certificate of Non- Compliance on File
(1)	No direct connection between the District's Water Supply System and a potential source of contamination exists. Potential sources of contamination are isolated from the District Water Supply System by an air gap or an appropriate backflow prevention assembly in accordance with state plumbing regulations. Additionally, all pressure relief valves and thermal expansion devices are in compliance with state plumbing codes.	<u>FOR DISTRICT USE ONLY</u>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2)	No cross connection between the District's Water Supply System and a private water system exists. Where an actual air gap is not maintained between the District's Water Supply System and a private water supply system, an approved reduced pressure-zone backflow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified backflow prevention device tester.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3)	No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the District's Water Supply System.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4)	No pipe or pipe fitting which contains more than 8.0% lead exists in private plumbing facilities installed on or after July 1, 1988.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(5)	No solder or flux which contains more than 0.2% lead exists in private plumbing facilities installed on or after July 1, 1988.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(6)	No plumbing fixture is installed which is not in compliance with a State Approved Plumbing Code.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Water service shall not be provided or restored to the private plumbing facilities until the above conditions are determined to be in compliance.

I further certify that the following materials were used in the installation of the plumbing facilities:

Service Lines Lead Copper PVC Other

Solder Lead Lead Free Solvent Weld Other

I recognize that this document shall become a permanent record of the Water Supply System of _____ and that I am legally responsible for the validity of the information I have provided.

NOTE: THIS SERVICE INSPECTION CERTIFICATION IS FURNISHED FOR THE SOLE PURPOSE OF INSPECTING THE PLUMBING FACILITIES AT THE AFORESAID LOCATION OF SERVICE FOR UNACCEPTABLE PLUMBING PRACTICES IN ACCORDANCE WITH SAID DISTRICT'S RULES AND REGULATIONS GOVERNING WATER AND SANITARY SEWER FACILITIES, SERVICE LINES, AND CONNECTIONS. NO REPRESENTATION OR WARRANTY IS INTENDED OR MADE AS TO THE ADEQUACY, QUALITY OR FITNESS OF THE PRIVATE PLUMBING FACILITIES.

Signature of Inspector: _____

Registration Number: _____

Title: _____

Type of Registration: _____

Date: _____

**EXHIBIT 3
TO APPENDIX A**

Backflow Prevention Assembly Test and Maintenance Report

The following form must be completed for each assembly tested. A signed and dated original must be submitted to the District for record keeping purposes:

BACKFLOW PREVENTION ASSEMBLY TEST AND MAINTENANCE REPORT

Name of District: _____
PWS I.D. #: _____
Location of Service: _____

The backflow prevention assembly detailed below has been tested and maintained as required by TNRCC regulations and is certified to be operating within acceptable parameters.

TYPE OF ASSEMBLY

- | | |
|---|--|
| <input type="checkbox"/> Reduced Pressure Principle | <input type="checkbox"/> Pressure Vacuum Breaker |
| <input type="checkbox"/> Double Check Valve | <input type="checkbox"/> Atmosphere Vacuum Breaker |
| <input type="checkbox"/> Not Needed at this Address | |

Manufacturer _____ Size _____
Model Number _____ Located at _____
Serial Number _____

	Reduced Pressure Principle Assembly			Pressure Vacuum Breaker	
	Double Check Valve Assembly		Relief Valve	Air Inlet	Check Valve
	1st Check	2nd Check		Opened at _____ psid _____ psid	
Initial Test	DC-Closed Tight <input type="checkbox"/> RP-_____ psid Leaked <input type="checkbox"/>	Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at _____ psid	Did not Open <input type="checkbox"/>	Leaked <input type="checkbox"/>
Repairs and Materials Used					
Test After Repair	DC-Closed RP-_____ psid Tight <input type="checkbox"/>	Closed Tight <input type="checkbox"/>	Opened at _____ psid	Opened at _____psid	_____ psid

The above is certified to be true.

Firm Name: _____
Firm Address: _____

Certified Tester: _____
Cert. Tester No.: _____
Date: _____

**EXHIBIT 4
TO APPENDIX A**

CUSTOMER SERVICE AGREEMENT

SECTION I. PURPOSE. _____ (the "District") is responsible for protecting its Water Supply System from contamination or pollution which could result from unacceptable plumbing practices. The purpose of this Service Agreement is to notify each customer of the plumbing restrictions which are in place to provide this protection. The District enforces these restrictions to ensure the public health and welfare. Each customer must sign this Customer Service Agreement before the District will begin service.

SECTION II. PLUMBING RESTRICTIONS. The following unacceptable plumbing practices are prohibited by State regulations:

- A. No direct connection between the District's Water Supply System and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by an air gap or an appropriate backflow prevention device.
- B. No cross-connection between the District's Water Supply System and a private water system is permitted. These potential threats to the District's Water Supply System shall be eliminated at the service connection by the installation of an air gap or a reduced pressure-zone backflow prevention device.
- C. No connection which allows water to be returned to the District's Water Supply System is permitted.
- D. No pipe or pipe fitting which contains more than 8.0% lead may be used for the installation or repair of plumbing at any connection which provides water for human use.
- E. No solder or flux which contains more than 0.2% lead can be used for the installation or repair of plumbing at any connection which provides water for human use.

SECTION III. SERVICE AGREEMENT. The following are the terms of this Customer Service Agreement between _____ (the "District") and _____ (the "Customer"):

- A. The District will maintain a copy of this Customer Service Agreement as long as the Customer and/or the premises is connected to the District.
- B. The Customer shall allow his/her property to be inspected for possible cross-connections and other unacceptable plumbing practices. These inspections shall be conducted by the District or its designated agent prior to initiating new water service; when there is reason to believe that cross-connections or other unacceptable plumbing practices exist; or after any major changes to the private plumbing facilities. Inspections shall be conducted during the District's normal business hours.
- C. The District shall notify the Customer in writing of any cross-connection or other unacceptable plumbing practices which have been identified during the initial inspection or the periodic reinspection.
- D. The Customer shall immediately correct any unacceptable plumbing practice on his/her premises.
- E. The Customer shall, at his expense, properly install, test, and maintain any backflow prevention device required by the District. Copies of all testing and maintenance records shall be provided to the District.

SECTION IV. ENFORCEMENT. If the Customer fails to comply with the terms of this Service Agreement, the District shall, at its option, either terminate service or properly install, test, and maintain an appropriate backflow prevention device at the service connection. Any expenses associated with the enforcement of this Service Agreement shall be billed to the Customer.

NOTE: THE PURPOSE OF THE CUSTOMER SERVICE AGREEMENT IS TO NOTIFY CUSTOMERS OF THE PLUMBING RESTRICTIONS OF THE DISTRICT ADOPTED TO PROTECT THE DISTRICT'S WATER SUPPLY SYSTEM. INSPECTIONS CONDUCTED BY THE DISTRICT'S OPERATOR IN ACCORDANCE WITH THIS SERVICE AGREEMENT ARE FOR THE SOLE PURPOSE OF DISCOVERING AND ELIMINATING UNACCEPTABLE PLUMBING PRACTICES. THE DISTRICT OR THE DISTRICT'S OPERATOR MAKES NO REPRESENTATION AS TO THE ADEQUACY, QUALITY, OR FITNESS OF THE CUSTOMER'S PRIVATE PLUMBING FACILITIES.

Customer's
Signature: _____

Date: _____

Address: _____

**EXHIBIT 5
TO APPENDIX A**

APPLICATION FOR SERVICE

(Please print or type)

Duplicate to
(address)

(Subdivision and Section)

(Name of Applicant) (Lot) (Block)

(Street Address) (Street Address)

(Phone) (City, State, Zip)

Installation to be performed by: _____
(Plumber or Sub-contractor) (Phone)

Type of pipe material to be used: PVC____, ABS____, VC____, CI____

Date: _____ Requested by: _____
(Signature)

Applicant to draw sketch of house layout and proposed location of water and sewer service line:

For District Use Only

Date Application Received: _____
Date Construction Authorized: _____
Connection Information: _____
 WYE Location _____
 Stack Location _____
 Manhole Location _____
Date of Inspection 1st _____ 2nd _____ 3rd _____
Date Permit Granted _____
 Approved by _____ District Representative

**EXHIBIT 6
TO APPENDIX A**

**INSPECTION FORM
SANITARY SEWER SERVICE**

Lot _____ Block _____ Section _____

Street Address _____

Inspection Requested By: _____ Date _____

Date Tap to Be Made _____

Results of Inspection Made on _____ at _____ AM _____ PM

Pipe Material: Size _____ PVC (D3034) _____ ABS(D2751) _____

Tap to: Wye _____ Stack _____

Clean out: House _____ and _____

INSTALLATION

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
Directness to Wye	_____	_____
Slope	_____	_____
Full Contact w/bedding	_____	_____
Connection w/Main	_____	_____
Condition of Other District	_____	_____
Facilities on Lot	_____	_____

Connection Permit is approved (not approved).

Water service to Lot is approved (not approved).

This service reinspected on _____. (See Attached new report).

Comments: _____

Copy to:

Applicant _____

By: _____

District Inspector

Manager _____

By: _____

Authorized Representative of Applicant