

CERTIFICATE FOR ORDER AMENDING RATE ORDER

THE STATE OF TEXAS
COUNTY OF HARRIS
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 162

We, the undersigned officers of the Board of Directors (the "Board") of Harris County Municipal Utility District No. 162 (the "District"), hereby certify as follows:

1. The Board convened in regular session, open to the public, on May 14, 2019, at 5870 Highway 6, Houston, Texas, Harris County, Texas, and the roll was called of the members of the Board, to-wit:

Penny Johnson, President
Susan McClure, Vice President
Karen Odell, Secretary
Steve Rickelman, Treasurer
John Parrish, Assistant Secretary

All members of the Board were present, thus constituting a quorum. Whereupon among other business, the following was transacted at such Meeting: A written

ORDER AMENDING RATE ORDER

as duly introduced for the consideration of the Board and read in full. It was then duly moved and seconded that such Order be adopted; and, after due discussion, such motion, carrying with it the adoption of such Order, prevailed and carried by the following votes:

AYES: 5 NOES: 0

2. A true, full, and correct copy of the aforesaid Order adopted at the Meeting described in the above and foregoing paragraph is attached to and follows this Certificate; such Order has been duly recorded in the Board's minutes of such Meeting; the above and foregoing paragraph is a true, full, and correct excerpt from the Board's minutes of such Meeting pertaining to the adoption of such Order; the persons named in the above and foregoing paragraph are the duly chosen qualified, and acting officers and members of the Board as indicated therein; each of the officers and members of the Board was duly and sufficiently notified officially and personally, in advance, of the time, place, and purpose of such Meeting, and that such Order would be introduced and considered for adoption at such Meeting and each of such officers and members consented, in advance, to the holding of such Meeting for such purpose; and such Meeting was open to the public, and public notice of the time, place, and purpose of such Meeting was given, all as required by Chapter 551, Texas Government Code, as amended, and Section 49.063, Texas Water Code, as amended.

SIGNED AND SEALED this 14 day of May, 2019.


Secretary, Board of Directors


President, Board of Directors

(DISTRICT SEAL)



ORDER AMENDING CONSOLIDATED RATE ORDER

THE STATE OF TEXAS §
COUNTY OF HARRIS §
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 162 §

WHEREAS, the Board of Directors (the “Board”) of Harris County Municipal Utility District No. 162 (the “District”) has previously set water and sewer rates sufficient to pay for operation and maintenance of the District’s water supply and sanitary sewer system; provided for connections into its water and sanitary sewer collection systems; and adopted rules to maintain a safe and adequate sanitary sewer system, protect the sanitary condition of the District’s water supply, and prevent waste or unauthorized use of its water supply by adoption of a Consolidated Rate Order dated September 15, 1987; and as amended on March 13, 1989, July 6, 1989, October 9, 1989, March 12, 1990, April 10, 1990, January 8, 1991, December 10, 1991, May 12, 1992, June 9, 1992, December 12, 1995, July 14, 1998, January 12, 1999, September 21, 1999; November 9, 1999; August 14, 2001; September 17, 2001; December 11, 2001; July 9, 2002; March 10, 2009; July 9, 2013; July 14, 2015; and May 14, 2019;

WHEREAS, the Board deems it appropriate and necessary to amend the rate order to assess the WHCRWA pumpage fee, and to amend the delinquency termination date, residential deposit amount and delinquent letter fee, and to restate such order as so amended;

IT IS, THEREFORE, ORDERED BY THE BOARD OF DIRECTORS OF HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 162 THAT:

I. Connections to District’s Waterworks, Sanitary Sewer, and Storm Sewer Systems.

A. Connections Made and Inspected by District Operator. All water taps, sanitary sewer taps, and inspections shall be made by the District’s operator. All storm sewer connections shall be inspected by the District’s operator. Notwithstanding anything herein to the contrary, the operator shall make no connection to the District’s water or sanitary sewer collection system unless either

(1) the tract, parcel, or lot of land to be served by such connection is part of an area covered by a development plat duly approved pursuant to article 974a-3, Texas Revised Civil Statutes, as amended, or pursuant to an ordinance, rule, or regulation relating to such a development plat,

(2) the operator has been presented with or otherwise holds a certificate applicable to such tract, parcel, or lot of land issued by or on behalf of the Planning Commission or City Council of the City of Houston, Texas, under section 4A, article 974a, Texas Revised Civil Statutes, as amended, stating that either a plan, plat, or replat of such tract, parcel, or lot either is not required or has been reviewed and approved by such Commission or Council, or

(3) such tract, parcel, or lot was first connected to such system prior to September 1, 1987.

B. Payment of Fees. Anyone desiring a connection to the District's waterworks, sanitary sewer, or storm sewer systems must pay the water tap fee, sanitary sewer tap and inspection fees, or storm sewer inspection fee, as applicable, prior to receiving the connection. The operator shall make no connection into the District's system until the applicable fees are paid.

C. Fees. The water tap fees shall be as follows:

3/4-inch residential tap including meter and box	\$750, but in no event more than three times the District's cost of material and labor
Sprinkler, commercial, or oversize tap, including meter and box	Three times the District's cost of material and labor for installation
Commercial Sprinkler Tap	Three times the District's cost of material and labor for installation
Tap for Non-Profit (501(c)(3)) Organizations:	The District's cost of material and labor for installation

The sanitary sewer tap and inspection fees shall be as follows:

Residential	\$150.00, but in no event more than three times the cost to the District
Commercial	Cost to the District, plus the greater of 25% of such cost or \$250, but in no event more than three times the cost to the District

The fee for inspection of sanitary sewer service line from a building foundation to the District's sewer line shall be \$35.00.

The storm sewer connection inspection fee shall be \$75.00.

D. Temporary Meters. The District will install at the request of any builder, contractor, or similar person a special meter attached to any flushing valve within the District to provide a temporary supply of water for construction purposes. Such meter shall be installed upon application and deposit of \$1,200, which amount shall be applied to payment of the District's water service charge for water actually used and the balance, after deduction of a \$50 installation charge, returned upon disconnection of the meter. No builder, contractor, or similar person shall otherwise draw water from any flushing valve within the District. Water used through a temporary meter will be charged at the rate of \$2.50 per 1,000 gallons of water plus WHCRWA surface water fees.

II. Requirements of Homebuilders and Other Building Contractors.

A. Builder Deposit. Before any water taps, sanitary sewer taps, or inspections shall be made by the District's operator for a builder operating within the District, the builder shall deposit \$1,500 with the District. The deposit shall be refunded without interest to the builder at the completion of the builder's building program within the District.

B. Use of Deposit. The District operator shall bill repair costs caused by builder negligence to the builder responsible for the damage. If a builder (1) fails to pay such bills for 60 days or more or (2) is responsible for outstanding bills in an amount greater than \$1,500, then the District may apply all or any part of the \$1,500 deposit to pay for the system repairs. Subsequent to the application of a builder's deposit, the operator shall make no additional water taps, sanitary sewer taps, or inspections for such builder until the deposit is re-established in the full amount of \$1,500 or such greater amount as required by the Board.

III. Inspections

A. Inspection of Backflow Devices.

(1) All backflow prevention assemblies shall be tested by a recognized backflow prevention assembly tester upon installation and certified to be operating within specifications. This inspection shall be conducted prior to the time the operator makes a permanent water connection to the District's system. 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. A high health hazard is defined as a cross-connection, potential cross-connection, or other situation involving any substance that could cause death, illness, spread of disease, or has a high probability of causing such effects if introduced into the potable drinking water supply.

(2) Recognized testers shall have completed a Commission approved course on cross connection control and backflow prevention and shall have passed an examination administered by the Commission or its designated agent. The accredited tester classification shall be broken down into two categories:

a. The "General Tester" is qualified to test and repair backflow prevention assemblies on any domestic, commercial, industrial or irrigation service except firelines.

b. The "Fireline Tester" is qualified to test and repair backflow prevention assemblies on firelines only. The State Fire Marshall's office requires that a person performing maintenance on firelines must be employed by an Approved Fireline Contractor.

(3) Individuals that 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 3 years).

(4) Gauges used in the testing of backflow prevention assemblies shall be tested for accuracy annually in accordance with the American Water Works Association Manual of Cross Connection Control (Manual M-14). Testers shall include test gauge serial numbers on "Test and Maintenance" report forms.

(5) A test report must be completed by the recognized backflow prevention assembly tester for each assembly tested. The signed and dated original must be submitted to the District for record keeping purposes. Should the tester choose to use a report format which differs from that attached hereto as Exhibit "C", it must minimally contain all information required by the report form.

(6) The use of a backflow prevention device at the service connection shall be considered as additional backflow protection and shall not negate the use of backflow protection on internal hazards as outlined and enforced by local plumbing codes.

(7) No permanent water service will be provided or continued to any connection in the District which requires a backflow prevention device, unless the customer provides the District with a backflow prevention assembly test and maintenance report. The District's operator may perform the test, and the cost will be charged to the customer.

(8) A customer at an establishment which presents high health hazards must provide the District with a test report annually. In the event any establishment fails to provide such a report within thirty days after written notification by the District that such a report is required, the District's operator shall inspect the backflow prevention device and the cost will automatically be charged to the customer's account.

B. Customer Service Inspections.

(1) A customer service inspection certification in the form attached hereto as Exhibit "D" must be completed and delivered to the District: (1) prior to the time the District's operator provides sanitary sewer service or permanent water service to a new connection in the District, (2) within 5 days after an existing customer receives notice from the District that it has reason to believe that cross-connections or other unacceptable plumbing practices exist at his establishment, or (3) within 30 days after any material improvement, correction or addition is made to the private plumbing facilities of any connection. Failure to provide such certification is a violation of these rules.

(2) Individuals with the following credentials shall be recognized as capable of conducting a customer service inspection certification:

a. Plumbing Inspectors and Water Supply Protection Specialists holding license endorsement issued by the Texas State Board of Plumbing Examiners.

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

(3) It is the responsibility of the customer to obtain the certification. The customer may ask the District's operator to complete sections 1-3 of the certification. The District's operator, at its discretion, may complete sections 1-3 of the certification if it can make such certification in connection with its normal inspections and at no additional cost to the District.

(4) The existence of private plumbing facilities in violation of I. or II. of these rules is an undesirable plumbing practice and a violation of these rules. Upon discovery of any such condition, the District may immediately terminate water service to the connection to protect the integrity of its public water system. Service will be restored only when the source of potential contamination no longer exists or when sufficient additional safeguards have been taken.

IV. Water and Sewer Service Rates, Application Fees and Deposits.

A. Application Fees. The District operator shall collect an application fee on each new residential connection or reconnection for customers purchasing homes within the District and on each new connection or reconnection for customers renting or leasing a residence within the District in the total amount of \$50 which fee shall be applied as follows: (a) \$10.00 to establish an account, (b) \$20.00 to initiate service and (c) \$20.00 to terminate service.

B. Deposit. Prior to establishing service, the District operator shall collect a security deposit of \$125.00 on each new residential connection or reconnection for customers purchasing a home within the District and a deposit of \$175.00 on each new connection or reconnection for customers renting or leasing a residence within the District. Prior to establishing service, the District operator shall collect a security deposit of \$250.00 on each new commercial connection or reconnection in the District. Prior to establishing service, the District operator shall also collect a security deposit of \$60.00 on each new commercial connection in the District for the purpose of quarterly grease trap inspections. Service shall not be provided to any customer who has not paid, in full, the deposit fee required herein. The balance of any deposit remaining after payment of delinquent bills shall be refunded, without interest, when the resident, renter, lessee, or commercial establishment discontinues District service. If a resident, renter, lessee, or commercial establishment is delinquent in payment of amounts owed the District for 60 days or more, then the District may apply all or part of the deposit to its operating fund against the amount owed the District.

C. The following charges for water and sewage collection and disposal are hereinafter in effect. Effective as of September 1, 1991, the District's water and sewer rates as set forth in this Rate Order shall include the regulatory assessment required to be paid to the Texas Water Commission.

In addition to the District's water and sewer rates as set forth in this Rate Order, a fee per 1,000 gallons shall be assessed on each customer's water bill in an amount equal to the surface water fee per 1,000 gallons assessed by the West Harris County Regional Water Authority. Such fee shall be listed separately on the customer's water bill.

MONTHLY WATER SERVICE RATES
(for the months of October through April)

	<u>Gallons</u>	<u>Amount</u>
<u>All Residential</u>	Minimum 5,000	\$8.00
	5,001 to 10,000	\$1.00 per 1,000 gallons
	10,001 to 20,000	\$1.50 per 1,000 gallons
	All over 20,000	\$2.00 per 1,000 gallons
<u>In-District Commercial</u> and <u>Commercial Sprinkler Taps</u> and all tax-exempt organizations	Minimum 10,000	\$25.00
	All over 10,000	\$2.50 per 1,000 gallons
<u>Parks and Recreational*</u>	Minimum 5,000	\$5.00
	All over 5,000	\$1.00 per 1,000 gallons
<u>Wastewater Treatment Plants</u>		\$1.00/1,000 gallons plus a pumpage fee per 1000 gallons shall be assessed in an amount equal to the pumpage fee per 1000 gallons assessed by the West Harris County Regional Water Authority. Such fee shall be listed separately on the water bill.
<u>Out-of-District Commercial</u>	Minimum 10,000	\$65.00
	All over 10,000	\$6.50 per 1,000

SUMMER CONSERVATION WATER RATES
(for the months of May through September
if voted into effect by the Board of Directors of the District)

<u>All Residential</u>	Minimum 5,000	\$8.00
	5,001 to 10,000	\$1.00 per 1,000 gallons
	10,001 to 15,000	\$3.00 per 1,000 gallons
	All over 15,000	\$6.00 per 1,000 gallons
<u>In-District Commercial</u> and <u>Commercial Sprinkler Taps</u> and all tax-exempt organizations	Minimum 10,000	\$25.00
	10,001 to 40,000	\$2.50 per 1,000 gallons
	All over 40,000	\$4.00 per 1,000 gallons
<u>Parks and Recreational*</u>	Minimum 5,000	\$5.00
	5,001 to 200,000	\$1.00 per 1,000 gallons
	All over 200,000	\$2.00 per 1,000 gallons
<u>Wastewater Treatment Plants</u>		\$1.00/1,000 gallons plus a pumpage fee per 1000 gallons shall be assessed

in an amount equal to the pumpage fee per 1000 gallons assessed by the West Harris County Regional Water Authority. Such fee shall be listed separately on the water bill.

<u>Out-of-District Commercial</u>	Minimum 10,000	\$65.00
	All over 10,000	\$12.50 per 1,000 gallons

* "Park and Recreational" use, as used herein, means the supply of water to any non-profit community or civic organization organized by and for the benefit of all or a portion of the owners of property within the District for the purpose of maintaining landscaping and recreational areas within the areas which are, or adjoining rights-of-way, open to all or a portion of the residents within the District.

* Non residential usage for irrigation purposes will be limited to the hours of 8:00 a.m. Mondays through 12:00 a.m. Fridays. Non residential water usage for irrigation purposes will not be allowed from 12:01 a.m. Fridays through 7:59 a.m. on Mondays.

Broken Pipes Due to Freezes

If a residential customer certifies in writing to the operator of the District's system that water has been lost due to the breakage of frozen pipes, the amount of water for the affected period in excess of the average amount of metered consumption for the two prior billing periods will be charged and billed at the rate of \$0.55 per 1,000 gallons plus the rate then charged by West Harris County Regional Water Authority as a pumpage fee.

MONTHLY SEWER SERVICE RATE

Each Single Family Residential Connection	\$13.00 per habitable dwelling
Each Apartment Connection	\$3.00 per habitable dwelling
Each Park and Recreational Connection	\$36.00 flat fee

	<u>Gallons</u>	<u>Amount</u>
Each <u>Commercial Connection (Other than Apartments) and <u>All Tax-Exempt Organizations</u></u>	Minimum 10,000	\$36.00
	All over 10,000	\$3.50 per 1,000 gallons
<u>Out-of-District Commercial</u>	Minimum 10,000	\$66.00
	All over 10,000	\$6.50 per 1,000 gallons

V. Service Agreements with Customers.

Prior to receiving permanent water service (upon initial completion of an improvement in the District, upon reinstatement of water service after a turn-off, or upon transfer of water service to a new customer), the customer must execute and deliver to the District's operator a service agreement in the form attached hereto as Exhibit "E".

VI. Delinquent Accounts.

The District shall bill each customer monthly. All bills shall become delinquent if not paid by the end of the month following the month during which the services were rendered. A penalty of 10% will be added to all bills outstanding by the end of the billing month. If a bill remains delinquent for 30 days, the District shall discontinue the delinquent customer's water in accordance with the following paragraph.

After the 30-day delinquency period, a delinquent customer shall be notified of the delinquency and the date on which water service shall be terminated if the account is not paid. The termination date shall be not less than five days from the date the notice is sent. The notice shall additionally state the place and time at which the account may be paid and that any errors in the bill may be corrected by contacting the billing company, whose telephone number shall also be given in such notice. A similar notice shall be left by the District operator on the door at the address where service was provided. An additional \$10.00 fee will be assessed for such notice. If the delinquent amount, including penalty, has not been paid in full by the proposed termination date, service shall then be discontinued unless otherwise agreed by the Board.

Notwithstanding anything else in this section, the District operator shall not provide service to a customer whose service has been discontinued until the security deposit in the amount of \$125 for residential customers, \$175 for customers renting or leasing, and \$250 for commercial customers is re-established in the full amount of \$125, \$175, or \$250, as the case may be, or such greater amount as required by the Board.

VII. Discontinuation of Service.

A. Charges for Disconnection and Reconnection. If service is discontinued, whether because of a customer's delinquency or at a customer's request, the District shall charge the following:

1. Residential customers - \$20.00 to discontinue \$20.00 to restore
2. Commercial customers - \$25.00 to discontinue \$25.00 to restore

B. Charges for Removal and Reinstallation of Water Meter. If the District is required to remove a water meter to enforce its rules regarding District facilities, the District shall charge \$40.00 to remove the meter and \$40.00 to reinstall the meter. Payment to the District operator of such charge and all outstanding amounts due shall be required to be made in cash or by money order or certified check.

VIII. Rules and Regulations.

A. The Board hereby adopts the Rules and Regulations Governing Sanitary Sewer Service Lines and Connections and Water Main Connections, attached hereto as Exhibit "A" and made a part hereof for all purposes.

B. The Board hereby adopts the Rules and Regulations Governing Grease Traps in Food Handling Establishments, Public Car Washes, Automotive Servicing and/or Repair Establishments, Public Washaterias, and Hair Cutting Shops, attached hereto as Exhibit "B" and made a part hereof for all purposes.

C. Civil Penalties. The Board hereby imposes the following civil penalties for breach of any rule of the District: The violator shall pay the District twice the costs that the District has sustained due to the violation, up to \$5,000, but in no event will the penalty be less than \$1,000. A penalty under this section is in addition to any other penalty provided by the law 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 reasonable fees for attorneys, expert witnesses, and other costs incurred by the District before the court. The amount of the attorney's fees shall be fixed by the court.

IX. General Policies.

A. All Services Charged. The District shall not provide free water or sewer service to any person, firm, corporation, or organization.

B. Returned Check Fee. Customers who tender checks for payment of any

fees listed in this Order and whose checks are returned unpaid to the District shall (“Returned Checks”) be charged a \$25 fee, in addition to any and all other fees and charges due. Such returned checks shall not be considered as payment and the failure of such payment shall be considered to have existed from the time such check was originally tendered. Any amounts due on an account which have been paid with a check that has been returned by the bank must be paid in full by cash, cashier’s check or money order, including all late charges and returned check charges, within five (5) days from the day the Operator hangs a notice on the Customer’s door or otherwise notifies the Customer that the check has been returned by the bank.

Any customer with more than two (2) Returned Check fees in one (1) year must thereafter pay his or her water bills with cash or money order; however, if such customer does not incur any late charges, fees, or penalties for one year then the payment type requirement will be removed.

C. Other Utilities. Prior to installing underground cables in the area of District water supply and sanitary sewer collection lines, representatives of utility companies shall contact the District’s operator to file such companies’ construction plan and schedule and to review the engineering plans illustrating the location of District lines.

D. Implementation of Order. This Order, as amended, is effective July 1, 1996, the date the Board amended this Order. The President or Vice President or Secretary or Acting Secretary of the Board are authorized to do all things necessary and proper to evidence the Board’s adoption of this Order and to carry out the intent hereof.

* * *

EXHIBIT "A"

RULES AND REGULATIONS GOVERNING SANITARY SEWER SERVICE LINES AND CONNECTIONS AND WATER MAIN CONNECTIONS

The following regulations (the "Regulations") govern the installation of water main taps, sanitary sewer connections, and discharges to the sanitary sewer system within Harris County Municipal Utility District No. 162 (the "District"), and the enforcement of the Regulations and penalties for the violation thereof:

I. GENERAL.

A. The fee for making a connection to the District's water mains and for inspection of connection to its sanitary sewers shall be as set out in the District's Order Setting Water and Sanitary Sewer Service Rates, Establishing Tap Fees, Adopting Rules and Regulations Concerning District Waterworks and Sanitary Sewer System, and Establishing Policy with Respect to Fire Hydrants, Manholes, Meter Boxes, and Clean-Out Valves. No taps shall be made or service rendered until such fees and a sanitary sewer connection security deposit in the amount of \$75 is paid. Tap and inspection fees for other than the above described connections shall be fixed by the Board of Directors of the District (the "Board") at the time the connection is proposed. The sanitary sewer connection security deposit shall be returned after the operator has inspected and approved the sewer line connection as provided below.

B. All connections to the District's water mains and sanitary sewers shall be made by the District's operator or a contractor designated by the operator. The water line connection shall include the furnishing and installing of the service saddle, water service line, water meter, and water meter vault. Sanitary sewer connections shall be made as hereafter provided.

C. The connections to the District's water mains and sanitary sewers may be made at different times.

D. An Application for Water Main Tap must be filed prior to such tap being made. A copy of the Application form is attached to these Regulations. Additional Application forms are available from the District's operator.

II. SERVICE LINES

E. The "service line" is defined as the sewer line from the foundation of the house or commercial building to the sewer line owned by the District.

F. Only one service line may be connected to the District's sanitary sewage collection system for each residence or commercial building.

G. The following types of pipe and fitting materials are approved for constructing service lines. Pipe and fittings in each individual service line must consist of the following material or other material approved by the District's engineer.

1. Vitrified clay pipe conforming to ASTM Specifications C700 with joint coupling conforming to ASTM Specifications C425 or C594 and installed according to ASTM C12.

2. Cast iron soil pipe, standard weight, conforming to ASTM Specification A74 with rubber gasket joint coupling conforming to ASTM Specification C564.

3. Poly-vinyl-chloride (PVC) pipe conforming to ASTM Specification D3034 or ASTM Specification F758 (with UL Listing) and installed according to ASTM D2321.

4. Ductile-iron Pipe conforming to ANSI A21.51 with rubber gasket joints ANSI A21.11, and installed according to manufacturer's recommendations.

5. Acrylonitrile-butadiene-styrene (ASS) pipe, material conforming to ASTM Specification D2751.

H. Minimum sizes of service lines shall be as follows:

1. Residential — 4-inches in diameter
2. Commercial --- 6-inches in diameter

I. Minimum grades for service lines shall be as follows:

1. 4-inch pipe --- one foot drop per hundred feet (1%)
2. 6-inch pipe --- six inches drop per hundred feet (0.5%)
3. 8-inch pipe --- four inches drop per hundred feet (0.33%)

J. Maximum grades for 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%)
3. 8-inch pipe --- one foot drop per hundred feet (1%)

K. All service lines must be constructed to true alignment and grade. Warped and sagging service lines will not be permitted.

III. CONNECTION OF BUILDING SEWER OUTLET TO SERVICE LINES.

A. Building tie-on connection must be made directly to the stub-out from the building plumbing at the foundation on all waste outlets.

B. Water-tight adapters of a type compatible with the materials being joined must be used at the point of connection of the service line to the building plumbing. No cement grout materials are permitted.

C. The District has provided wyes or stacks on all sanitary sewer lines and these existing wyes or stack connections must be utilized for connection of the service line to the sewer main unless an exception is permitted by the District's operator.

D. In all cases where the District's sanitary sewer line is on the opposite side of the street from the connection, the District has provided cross street runs generally at alternate lot corners. Connections shall be made to these cross street runs and not at any other location.

IV. FITTINGS AND CLEAN OUTS.

A. No bends or turns at any point will be greater than 45 degrees.

B. Each horizontal service line must be provided with a cleanout at its upper terminal and each such run of piping which is more than 90 feet in length must be provided with a cleanout for each 90 feet, or fraction thereof, in the length of such piping.

C. Each cleanout must 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 cleanouts, cleanouts must be installed vertically above the flow line of the pipe.

D. Cleanout must be made with air-tight mechanical plug.

V. CONNECTION PERMIT.

A. An Application for Sanitary Sewer Service must be filed prior to construction on the service line and the \$75 security deposit must accompany this Application. The water tap fee, sewer inspection fee, and security deposit must all be paid at the same time. This \$75 deposit will be returned after the sanitary sewer connection has been inspected and approved by the District's operator. A copy of the Application form is attached to these Regulations. Additional application forms are available from the District's operator. Construction of the service line must not begin until authorized by the District operator. During construction of the service line, the line shall be plugged at the end of each construction day until the line has been completed and tied to both the house or commercial building and the District's system.

B. The operator will inspect all service lines to establish that they were installed in accordance with these Regulations. The \$75.00 security deposit shall be forfeited if inspection and approval of the service line has not been made prior to commencement of service. Any cost to the District for additional inspections or other work shall be deducted from the \$75.00 security deposit and the remaining amount shall be refunded to the customer. If the additional costs exceed the \$75.00 security deposit the customer shall be billed for the remaining amount.

C. When the service line is complete and prior to backfilling the pipe trench, the applicant for sewer service shall request an inspection of the installation. Request for inspections shall be made to the District's operator at least 24 hours in advance of the time such inspection is desired.

D. The physical connection to the District's sewer main must be made by use of an adapter of a type compatible with materials being joined. The connection shall be watertight. No cement grout materials are permitted.

E. Backfilling of the service line trench must be accomplished within 24 hours of inspection and approval. No debris will be permitted in the trench.

F. A connection permit will be granted after inspection confirms that all requirements of these Regulations have been met. The security deposit will then be refunded.

VI. EXCLUDED FLOW AND WASTE.

A. No waste material which is not biologically degradable will be permitted to be discharged into the District's sewage facilities, including mud and debris accumulated during service line installation.

B. No downspouts, yard or street drains or gutters will be permitted to be connected into the District's sanitary sewer facilities.

C. Swimming pool connections will not be made to the District's sewer system unless approved by the Board.

D. During or after construction of any part of the District's sewer collection system and prior to such part actually being placed in service, such part of the System shall be plugged so that no foreign material in such part will enter the rest of the system or the District's treatment facilities.

VII. PROHIBITION ON USE OF LEAD.

A. The use of pipes and pipe fittings that contain more than 8.0 percent lead or solders and flux that contain more than 0.2 percent lead is prohibited for installation or repair of the District's water system and for installation or repair of any plumbing in a residential or nonresidential facility providing water for human consumption and connected to the District's water system.

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

VIII. PROHIBITION ON DIRECT OR CROSS CONNECTIONS.

A. No establishment in the District shall contain an actual or potential contamination or system hazard without an air gap separation between the drinking water supply and the source of potential contamination. Where the containment air gap is impractical, reliance may be placed on individual “internal” air gaps or mechanical backflow prevention devices. Under these conditions, additional protection shall be required at the meter in the form of a backflow 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. Water from a condensing, cooling or industrial process or any other system of nonpotable usage over which the District does not have sanitary control cannot be returned to the District’s potable water supply.

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 siphonage and cross-contamination.

IX. VIOLATIONS.

A. Failure to adhere to the regulations set forth herein will result in the forfeiture of the \$75.00 deposit described above.

B. Water service will not be provided by the District until the requirements herein have been met and a written permit has been granted.

C. Breach of these Regulations shall result in the payment of a fine to the District by the offending party in the amount of \$200.00 per violation or imprisonment for up to 30 days or both, and the payment to the District of any cost incurred by the District in connection with such breach.

EXHIBIT "B"

RULES AND REGULATIONS GOVERNING GREASE TRAPS IN FOOD HANDLING ESTABLISHMENTS, PUBLIC CAR WASHES, AUTOMOTIVE SERVICING AND/OR REPAIR ESTABLISHMENTS, PUBLIC WASHATERIAS, AND HAIR CUTTING SHOPS

Section 1: "Establishment" means any business within the District which shall process, prepare or serve food and which processing, preparing or serving results in a discharge of water into the sewer system of the District during any part of such operation or service, and shall also mean public car washes, automotive servicing and/or repair establishments, public washaterias and hair cutting shops which discharge water into the sewer system of the District during any of said operations.

Section 2: Each Establishment shall be required to have a grease trap ("Trap") which fulfills the requirements of these Rules and Regulations and which shall be in compliance with requirements as established by the City of Houston ("City"). Specifications and requirements for such Trap shall be as follows and shall be submitted to and approved by the engineers for the District prior to installation:

A. Each small food Establishment with no fixed seating, including, but not limited to sandwich or coffee shops, donut shops, small bakeries and pastry shops and other small Establishments processing, preparing, or serving food, either individually, bulk or carry out, shall have a Trap constructed pursuant to specifications as set out in modified City Drawing No. 533-S, attached hereto and made a part hereof for all purposes.

B. Each food Establishment where food is served to customers on premises and where the occupant load is less than 100 occupants, shall have a Trap constructed pursuant to specifications as set out in modified City Drawing No. 534-S, attached hereto and made a part hereof for all purposes.

C. Each food Establishment where food is served to customers on premises and where the occupant load is more than 100 and less than 300 occupants, shall have a Trap constructed pursuant to specifications as set out in modified City Drawing No. 531-S, attached hereto and made a part hereof for all purposes.

D. Each food Establishment where food is served to customers on premises and where the occupant load is more than 300 occupants shall have a Trap designed by a registered professional engineer and submitted to the Engineer for the District for his approval.

E. Each public car wash and automobile servicing and/or repair establishment of six (6) bays or less shall have a Trap constructed pursuant to specifications as set out in modified City Drawing No. 359-S-1, attached hereto and made a part hereof for all purposes.

F. Each public car wash and automobile servicing and/or repair establishment of more than six (6) bays shall have a Trap designed by a registered professional engineer and submitted to the Engineer for the District for his approval.

G. Each public washateria shall have a Trap constructed pursuant to the applicable drawing attached hereto. The drawing and therefore the specifications which are applicable shall be determined by the size of the washateria as follows:

- (1) For washaterias having 10 or less machines, see City Drawing 533-S.
- (2) For washaterias having 11 to 20 machines, see City Drawing 534-S.
- (3) For washaterias having more than 20 machines, see City Drawing 531-S.

H. Each hair cutting shop shall have a Trap constructed pursuant to specifications as set out in modified City Drawing No. 533-S.

I. Any Commercial type laundry shall have a Trap designed by a registered professional engineer and submitted to the Engineer for the District for his approval.

Section 3: Each Establishment shall clean traps periodically as necessary to maintain and be in compliance with standards as set out herein and in any event shall clean such trap not less than once each week if such Trap is designated pursuant to modified City Drawing 534-S or 539-S-1, and not less than twice each month if such Trap is designated pursuant to modified City Drawing 533-S or 531-S.

Section 4: Each Establishment subject to the conditions hereof shall:

A. Maintain a sampling wells with easy access for inspectors, the sampling well to be installed per applicable City Drawing No. 516-S or 516-S-1 (see attached).

B. Maintain records on premises of all trip tickets in connection with disposal from the trap, such records to include the following information:

- a. Volume of grease disposed,
- b. Date of disposal,
- c. Location of disposal site.

C. Make available the records required in Section 4B above to the District and its operator and mail a copy of the same monthly to the office of the District operator.

Section 5: The District, from time to time as it deems necessary, may have its designated representative inspect any Trap subject hereof, which inspection however shall be during the normal business hours of the Establishment being inspected. During such inspection, the representative shall have the right to inspect the sampling well and take samples therefrom and to inspect all records maintained in connection with the Trap as required herein. The charge to each customer for inspection of the grease trap shall be \$35.00.

Section 6: No Establishment subject to these Rules and Regulations shall allow a discharge into the sewer system which contains more than two hundred (200) milliliters of grease or oil per one (1) liter of discharged water.

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EXHIBIT "C"

Sample 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 recordkeeping purposes:

BACKFLOW PREVENTION ASSEMBLY TEST AND MAINTENANCE REPORT

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

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

TYPE OF ASSEMBLY

- | | | | |
|--------|--|--------|--|
| ~
~ | Reduced Pressure Principle
Double Check Valve | ~
~ | Pressure Vacuum Breaker
Atmosphere Vacuum Breaker |
|--------|--|--------|--|

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 RP- _____ psid Leaked	Closed Tight Leaked	Opened at _____ psid	Did not Open	Leaked
Repairs and Materials Used					
Test After Repair	DC-Closed Tight RP _____ psid	Closed Tight	Opened at _____ psid	Opened at _____ psid	_____ psid

The above is certified to be true.

Firm Name: _____ Certified Tester: _____
 Firm Address: _____ Cert. Tester No.: _____
 Date: _____
 Test Gauge Serial No.: _____

EXHIBIT "D"

Sample Service Inspection Certification

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

I _____, upon inspection of the private plumbing facilities connected to the aforementioned public water supply do hereby certify that, to the best of my knowledge:

	Compliance	Non-Compliance	Certificate of Compliance on File
(1) No direct connection between the public drinking water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water 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.	☒	☒	☒
(2) No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, 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.	☒	☒	☒
(3) No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.	☒	☒	☒
(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 plumbing fixture is installed which is not in compliance with a state approved plumbing code.	☒	☒	☒

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 aforementioned Public Water System and that I am legally responsible for the validity of the information I have provided.

 Signature of Inspector

 Registration Number

Title

Type of Registration

Date

EXHIBIT "E"

Sample Service Agreement

I. **Purpose.** The Harris County Municipal Utility District No. 162 is responsible for protecting the drinking water supply from contamination or pollution which could result from improper 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 utility enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before the Harris County Municipal Utility District No. 162 will begin service. In addition, when service to an existing connection has been suspended or terminated, the water system will not re-establish service unless it has a signed copy of this agreement.

II. **PLUMBING RESTRICTIONS.** The following undesirable plumbing practices are prohibited by State regulations.

A. No direct connection between the public drinking water supply 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 public drinking water supply and a private water system is permitted. These potential threats to the public drinking water supply 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 public drinking water supply 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.

III. **SERVICE AGREEMENT.** The following are the terms of the service agreement between the Harris County Municipal Utility District No. 162 (the "Water System") and **Name of Customer** (the "Customer").

A. The Water System will maintain a copy of this agreement as long as the Customer and/or the premises is connected to the Water System.

B. The Customer shall allow his property to be inspected for possible cross-connections and other undesirable plumbing practices. These inspections shall be conducted by the Water System 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. The inspections shall be conducted during the Water System's normal business hours.

C. The Water System shall notify the Customer in writing of any cross-connection or other undesirable plumbing practice which has been identified during the initial inspection or the periodic reinspection.

D. The Customer shall immediately correct any undesirable plumbing practice on his premises.

E. The Customer shall, at his expense, properly install, test, and maintain any backflow prevention device required by the Water System. Copies of all testing and maintenance records shall be provided to the Water System.

IV. **ENFORCEMENT.** If the Customer fails to comply with the terms of the Service Agreement, the Water System 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 agreement shall be billed to the Customer.

Customer's Signature

Date: _____

Address: _____
