

# BASTROP COUNTY MUD NO. 1

## TAP PERMIT APPLICATION / WORK ORDER

**Contact I.O. Inspections, Inc to schedule all plumbing inspections by phone 512-770-5534 or online at [www.ioinspections.com](http://www.ioinspections.com) and click on Inspection Request**

Date \_\_\_\_\_

Address \_\_\_\_\_

Lot \_\_\_\_\_ Block \_\_\_\_\_ Section \_\_\_\_\_

Subdivision \_\_\_\_\_

For Office Use Only

Acct#: \_\_\_\_\_

Seq# \_\_\_\_\_

Plumber Lic # \_\_\_\_\_

Billing Name \_\_\_\_\_ Phone( ) \_\_\_\_\_ Fax( ) \_\_\_\_\_

Billing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Plumber \_\_\_\_\_ Phone( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

Type of Dwelling: ( ) Single Family ( ) Duplex ( ) Apartment ( ) Commercial ( ) Other \_\_\_\_\_

Water Meter Size: ( ) 5/8" ( ) 3/4" ( ) Other \_\_\_\_\_

Sewer Line Size: ( ) 4" ( ) 6" (X) Other Forced Main \_\_\_\_\_

Irrigations System: \_\_\_ Yes \_\_\_ No Pool: \_\_\_ Yes \_\_\_ No

### Field Operator Use Only

Date In / /	Date Done / /	Initial	Meter Size	Meter Number	Meter Read
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Erosion Control: ( ) P ( ) F Other Fail Dates: \_\_/\_\_/\_\_; \_\_/\_\_/\_\_; \_\_/\_\_/\_\_, \_\_/\_\_/\_\_

### INSPECTIONS:

Date In	Date Done	Inspect	Pass	Fail	comments	Initial	Re-inspect Date In	Re-inspect Date Done	Pass	Fail	Comments	Initial
		Rough / Sewer										
		Slab / Copper										
		Yard / W & S										
		Wall / Top Out										
		Final										
		Backflow W / irrig.										
		Pool Rough/ Gas Line										
		Pool Final										

**Please Note: Any inspections above (5) five will be charged an additional \$75.00 each. This includes failed inspections, irrigation inspections and pool inspections. These charges will be billed directly to the builder/customer account.**

**Bastrop County MUD No. 1**  
**500 N Capital of Texas Hwy #1-125**  
**Austin, TX 78746**  
**Phone: (512) 402-1990    Fax: (512) 402-0304**

**Customer Information Sheet**

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Account will be billed under the name of: \_\_\_\_\_

Service Address: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Office Phone # \_\_\_\_\_ Cell Phone # \_\_\_\_\_

E-mail Address: \_\_\_\_\_

All personal information in the customer's account (address, phone number, driver's license, usage, billing and payment records) is automatically kept confidential unless requested by the customer to opt out. HB 872, Section 812.052 of the utilities code effective June 18, 2021

☐ **Customer Confidentiality OPT OUT**

By Signing up for service you are automatically enrolled in the districts IRIS alerts. You will receive email and phone notifications for events related to our service. This includes water outages, leaks, and maintenance repairs. To opt out of this service you may check the box.

☐ **Emergency Notification (IRIS) opt out**

Water Tap Fee:	\$ 1,675.00
Wastewater Tap Fee:	\$ 6,200.00
Aqua System Development Fee	\$ 3,900.00
Inspections:	\$ 375.00
Builder Deposit:	\$ 250.00
Service Agreement Fee:	\$ 15.00
<b>Total Tap Fees:</b>	<b>\$12,415.00</b>

# Bastrop County MUD No. 1

## Service Agreement

- I. **PURPOSE.** Bastrop County Municipal Utility District No. 1 (the “District”) 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 District enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before the District will begin service. In addition, when service to an existing connection has been suspended or terminated, the District will not re-establish service unless it has a signed copy of the agreement.
- II. **PLUMBING RESTRICTIONS.** The following unacceptable 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 installations 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 the 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 Bastrop County Municipal Utility District No. 1 (the “District”) and \_\_\_\_\_ (the “Customer”).
- A. The District will maintain a copy of this agreement as long as Customer and/or the premises is connected to the District’s water system.

- B. 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. The inspections shall be conducted during the District's normal business hours.
- C. The District shall notify Customer in writing of any cross-connection or other unacceptable plumbing practice which has been identified during the initial inspection or the periodic re-inspection.
- D. Customer shall immediately correct any unacceptable plumbing practice on his/her premises.
- E. Customer shall, at his/her 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.
- F. Customer understand and agrees that the District does not guarantee any specific quantity or pressure of water for any purpose whatsoever and that the District is not liable to customer for failure or refusal to furnish any particular amount or pressure of water to customer.
- G. The customer shall allow the District access to his/her property to inspect, maintain, and repair the grinder pump. The inspection shall be conducted during the District's normal business hours. The customer shall be notified 24 hours in advance, when possible, and in writing of an inspection or maintenance of the grinder pump. All repairs shall be considered an emergency and customer notification shall not be necessary.

IV. **ENFORCEMENT.** If Customer fails to comply with the terms of the 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 Customer.

CUSTOMER'S SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

# **Plumbing Requirements for Bastrop County Municipal Utility District #1**

**Bastrop County MUD #1 uses the current Uniform Plumbing Code**

All permits must be posted on site and visible at all times, inspections will not be completed if permit is not posted. Contact the District's office at 512-402-1990 for questions regarding permits.

## **Platting Requirements:**

Before any connection to the District's System, a user shall submit to the District's operator proof that the user's property has been platted in accordance with the subdivision ordinances of the city of Bastrop. Acceptable proof of platting includes a copy of the recorded plat, or a certificate from the City of Bastrop that the property has been platted or that the property is legally exempt from the platting process.

## **Plumbing Requirements:**

**Contact I.O. Inspections, Inc. to schedule all plumbing inspections by phone 512-770-5534 or online at [www.ioninspections.com](http://www.ioninspections.com) and click on inspection request.**

- **Rough In:** Drains, waste, vents are supported and in place. Tests on and ready to be verified (10' water test or 5 psi air test). All pipes and fittings to be exposed for visual inspection.
- **Copper:** Lines in place and protected with no joints in the slab. The line must be under pressure from air (50 psi or better) at the time of inspection. All pipes and fittings to be exposed for visual inspection.
- **Top-out:** All pipes are in place, supports connected, vent take offs and trap arms are completed, water heater, water, sewer, and gas lines (under pressure from air 15psi at the time of inspection) are in place and ready for inspection.
- **Water Yardline:** Trenches properly excavated and line must be at least 12 inches deep from existing grade, pipes properly placed with adequate separation and proper bedding (i.e. sand, loam, or topsoil which does not have rock over 1 inch in diameter and no debris in trench) and backfill available. On your side of the meter you must supply two (2) cutoff valves and pressure reducing valve (it is your responsibility to ensure this valve is properly adjusted). The line must be under pressure from water or air (50 psi or better) at the time of inspection.
- **Sewer Yard line/Grinder Pump:** District requirements attached separately

- **Final:** All valves and fixtures installed, all vents completed and protected from ultraviolet rays. Water system tested. Gas pipes connected and tested (under pressure from air 15 psi) and prior to meter being connected. Septic or sewer connected. Combustion air supply to all gas fired appliances.

### **Customer Shut Off Valve:**

Bastrop County MUD #1 requires that all homeowners have a customer shut off valve. The customer shut off valve should be located out by the meter box to turn off both the house and irrigation.

### **Water Pressure Regulating Valve (PRV):**

Bastrop County MUD #1 requires homeowners to install pressure regulating valves (PRV) because of the large variations in line pressure caused by fluctuations in demand and terrain. The line pressure can vary from 50 to 150 psi or even higher. Your home should have no more than 80 psi to the plumbing system, and you PRV will be there to protect you plumbing system. The PRV should be installed on the customer side of the meter box after the shut off valve and should be set to provide 40-60 psi to the home regardless of the line pressure. Individual homeowners are responsible for ensuring their PRV's are operating and set properly.

### **Pool Requirements:**

Pools may be filled by hose bib with an approved vacuum breaker installed or by an automated system. If a pool is filled by a system connected to the water supply, the line must have an approved high hazard backflow device installed. The high hazard backflow device must be tested by a certified tester (licensed by TCEQ) prior to final inspection. The BDF must be emailed to the District before the final inspection.

- **Rough:** to be requested when excavation is completed with all rough plumbing, reinforcement: electrical wiring with grounding and bonding completed. Gas lines to be in place and tests on pressure to be verified. Minimum test pressure for PVC recirculation lines is 35 psi.
- **Pool Final:** to be requested when all equipment (pumps, filters, heaters, etc.), and fixtures are in place and ready for use. All electrical bonding for motors, lights, heaters, or other equipment properly completed. Ground fault protection at all exterior outlets, pool lights, or other required locations complete to code. Proper backflow protection devices required at all new or existing hose bibs and pool fill lines (high hazard backflow required). All exposed PVC must have UV protection (paint) and all pool heaters must have relief valves.

### **Irrigation Requirements:**

An approved high hazard backflow prevention device is to be installed in a separate box upstream of the first set of valves, preferably in the vicinity of the meter box. Backflow prevention device shall be installed with test ports up and capped. Please leave the device uncovered until you receive a passed inspection and the test results are recorded.

- **Backflow Test Report:** The high hazard backflow device must be tested by a certified backflow device tester (licensed by TCEQ) and the results provided to the District office within (7) seven calendar days of the date of the test.
- **Irrigation Tie-In Inspection:** The high hazard backflow device will be checked to make sure the backflow report matched the backflow device. The connection of the irrigation system to the potable water source will be checked to make sure properly connected.

## Grinder Pump Razor Installation Steps and Guide

Bastrop County MUD No. 1, (District), will provide the 4-wire Barnes Razor grinder pump system with the capacitor in the control panel. For most applications, the single stage Razor pump will be installed but for connections with high elevations to overcome, the two stage Razor pump should be considered, so please contact the District Engineer for those installations. This system includes the tank, pumping system and control panel for each property owner where tap fees and applications have been submitted.

**Below are additional steps that must be taken for proper installation of the new Barnes “Razor” Grinder Pump. The technician must also follow the attached Barnes Grinder Pump Installation Guide.**

1. The builder’s plumber will dig the 4’ diameter by 5’ deep hole for the grinder pump tank on the side of the house where the 4” wastewater lines exit the home.
2. The builder’s licensed plumber will install a 1 1/4” wastewater yard line from the tap at the street to the grinder pump location. Please note that if a ball valve, check valve and plastic meter box are not installed at the property line where the tap is located, the builder’s licensed plumber shall be responsible for installing these items. The trench where the completed line is installed must be left open and the select backfill material must be on site. The line must have four (4) inches minimum of select backfill under the pipe and shall extend above the pipe also four (4) inches minimum. All select fill shall be free of rocks and lumpy clay. All piping installed by the builder’s licensed plumber shall be left uncovered until installation is witnessed by the District’s licensed inspector. The District’s licensed inspector will inspect the yard line and pass or fail the inspection.
3. The builder’s licensed plumber will pressure test the wastewater yard line. Line must hold 60 psi for 24 hours and be passed by the District’s licensed inspector. Once the yard line passes the pressure test, the line must be flushed by the builder’s licensed plumber and backfilled with the select backfill as per Step 2.
4. The builder’s licensed electrician will provide a double pole 30 amp breaker with four (4) wires at least ten (10) gauge to a pull tab disconnect mounted to the outside of house next to grinder pump location. Disconnect shall be visible from the pumping chamber and associated control panel. From the disconnect, the electrician will install a two (2) foot flex conduit that is 3/4” in diameter, containing the four (4) ten (10) gauge wires which will provide for connection to the control panel. AWR will then install the control panel and connect flex conduit and wiring. AWR will then run a two (2) inch hard conduit from control panel to grinder tank. The conduit will contain pump and float cables through to attach to control panel. All conduits connected to the pumping chamber shall be sealed to prevent sewer gases from damaging the control panel and other equipment. The control panel shall be equipped with capacitors, audio, and visual alarms. All electrical work shall be in accordance with the current National Electrical Code (NEC).
5. AWR will coordinate with the builder and/or builder’s plumber to run the water in toilets, showers and sinks to flush and ensure all debris has been removed from the house lines BEFORE setting the grinder pump tank. In addition, the lines shall not be purged until AFTER all building structure fixtures are set.



6. AWR Services will install the grinder pump tank bedded in pea gravel, connect the wastewater yard line from the house to the tank, and cement the tank in place. All pumping chambers shall be installed where the top of the chamber is 3"-6" above adjacent natural ground. AWR will ensure all chamber tops have gaskets installed.
7. Once the cement has completely dried (1-2 business days), AWR will install the pumping system and connect the electrical for the control panel. AWR will leave two (2) feet extra of electrical cable for future needs. AWR will attach the floats to the discharge pipe to keep the floats centered in the tank to prohibit obstruction. Floats shall be as far apart vertically as possible to ensure longer pump run times and minimize the number of starts.
8. AWR will use zip ties to ensure all extra cables are tied to prevent obstruction.
9. AWR will ensure that both ball valves, (within the pumping chamber and meter box at the street), are BOTH open and will test the system. AWR will fill with water and ensure the pump starts and stops, ensure the pump runs within the pump manufacturer's listed electrical parameters, and check all alarms and alarm silencing works properly.
10. When the installation is complete, AWR will make the system active. A GP Equipment representative will inspect the first two installations to ensure all requirements are met.
11. Once complete and active, the District's licensed inspector will be contacted by the builder and/or the builder's licensed plumber to perform the final inspection.
12. Once the District's licensed inspector fully approves of the installation, AWR will notify the property owner that the system is ready for service and send the District approved letter of what not to flush.

**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 public water supplier for recordkeeping \*purposes:

NAME OF PWS:	Bastrop County MUD No. 1
PWS ID#:	0110049
PWS MAILING ADDRESS:	500 N CAPITAL OF TX HWY 1-125 AUSTIN, TX 78746
PWS CONTACT PERSON:	klucas@awrservices.net
ADDRESS 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 BACKFLOW PREVENTION ASSEMBLY (BPA):**

<input type="checkbox"/>	Reduced Pressure Principle (RPBA)	<input type="checkbox"/>	Reduced Pressure Principle-Detector (RPBA-D)	Type II	<input type="checkbox"/>
<input type="checkbox"/>	Double Check Valve (DCVA)	<input type="checkbox"/>	Double Check-Detector (DCVA-D)	Type II	<input type="checkbox"/>
<input type="checkbox"/>	Pressure Vacuum Breaker (PVB)	<input type="checkbox"/>	Spill-Resistant Pressure Vacuum Breaker (SVB)		

Manufacturer:	Main:	Bypass:	Size:	Main:	Bypass:
Model Number:	Main:	Bypass:	BPA Location:		
Serial Number:	Main:	Bypass:	BPA Serves:		

Reason for test:	New <input type="checkbox"/>	Existing <input type="checkbox"/>	Replacement <input type="checkbox"/>	Old Model/Serial #	
Is the assembly installed in accordance with manufacturer recommendations and/or local codes?					<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the assembly installed on a non-potable water supply (auxiliary)?					<input type="checkbox"/> Yes <input type="checkbox"/> No

<b>TEST RESULT</b>  <b>PASS</b> <input type="checkbox"/>  <b>FAIL</b> <input type="checkbox"/>	Reduced Pressure Principle Assembly (RPBA)			Type II Assembly	PVB & SVB	
	DCVA		Relief Valve	Bypass Check	Air Inlet	Check Valve
	1 <sup>st</sup> Check	2 <sup>nd</sup> Check***				
<b>Initial Test</b> Date: <input type="text"/> Time: <input type="text"/>	Held at <input type="text"/> psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Held at <input type="text"/> psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at <input type="text"/> psid Did not open <input type="checkbox"/>	Held at <input type="text"/> psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at <input type="text"/> psid Did not open <input type="checkbox"/> Did it fully open (Yes <input type="checkbox"/> /No <input type="checkbox"/> )	Held at <input type="text"/> psid Leaked <input type="checkbox"/>
Repairs and Materials Used**	Main: <input type="text"/> Bypass: <input type="text"/>					
<b>Test After Repair</b> Date: <input type="text"/> Time: <input type="text"/>	Held at <input type="text"/> psid Closed Tight <input type="checkbox"/>	Held at <input type="text"/> psid Closed Tight <input type="checkbox"/>	Opened at <input type="text"/> psid	Held at <input type="text"/> psid Closed Tight <input type="checkbox"/>	Opened at <input type="text"/> psid	Held at <input type="text"/> psid

\*\*\* 2<sup>nd</sup> check: numeric reading required for DCVA only

Differential pressure gauge used:	Potable: <input type="checkbox"/>	Non-Potable: <input type="checkbox"/>
Make/Model:	SN:	Date tested for accuracy :

Remarks:	

Company Name:		Licensed Tester Name (Print/Type):	
Company Address:		Licensed Tester Name (Signature):	
Company Phone #:		BPAT License #	
		License Expiration Date:	

**The above is certified to be true at the time of testing.**

\* TEST RECORDS MUST BE KEPT FOR AT LEAST THREE YEARS [30 TAC §290.46(B)]

\*\* USE ONLY MANUFACTURER'S REPLACEMENT PARTS

# BASTROP COUNTY MUNICIPAL UTILITY DISTRICT NO. 1

## Information Sheet

Water Tap Fee	\$1,675.00
Wastewater Tap Fee	\$6,200.00
Aqua System Development Fee	\$3,900.00
Builder Deposit	\$ 250.00
Inspection Fees (rough,copper,topout,yardlines,final)	\$ 375.00
Re-Inspection per each	\$ 75.00

### Water Consumption Rates:

Base Rate	\$ 55.00
Per 1,000 (1 gallon through 7,000 gallons)	\$ 4.00
Per 1,000 (7,001 – 15,000 gallons)	\$ 4.50
Per 1,000 (15,001 – 25,000 gallons)	\$ 5.00
Per 1,000 (25,001 + gallons)	\$ 5.50

### Sewer Rates:

Base Rate	\$ 25.50
Grinder Pump Maintenance Charge	\$ 35.00

### Temporary Water Service

Deposit	\$1,500.00
Installation Fee	\$ 50.00
Per 1,000 gallon amount	\$ 5.50

### Public Spaces:

Per 1,000 gallons amount	\$ .45
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### Termination Charges:

Reconnection fee – due to a delinquent account	\$ 55.00
Reconnection fee after hours	\$ 65.00
Reconnection fee Holidays	\$ 75.00
Plus Security Deposit	\$ 100.00
Request by User (discontinuing and restoring service each)	\$ 20.00
To Re-Install meter if removed	\$ 55.00

### Miscellaneous Charges:

<b>Residential Security Deposit</b>	<b>\$ 250.00</b>
After –Hours Service Charge	\$ 40.00
(Non business hours; Saturdays and Sundays and after 4:00 pm on weekdays)	
Return Check Charge	\$ 25.00
<b>Transfer Fee</b>	<b>\$ 15.00</b>
<b>Service Agreement Admin Fee</b>	<b>\$ 15.00</b>
Door Hanger Fee	\$ 10.00
Payment Pick Up Fee	\$ 10.00

Late Payment Penalty: A late charge of 10% of the bill shall be added for each monthly billing date the delinquent account remains unpaid.

½ of 1% of water and sewer usage to each user for the TCEQ regulatory fee.