

# Acton Municipal Utility District

6420 Lusk Branch Court  
Granbury, Texas 76049  
817-326-4720



## APPLICATION FOR PERMIT

*(Please print or type)*

Validate

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### PLUMBER INFORMATION

*(Copy of license to be recorded and on file at AMUD office)*

\_\_\_\_\_      \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_  
Master Plumber License      Expires on

\_\_\_\_\_  
Master Plumber Name

\_\_\_\_\_  
Company Name

(\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_      (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
Master Plumber Phone      Company Phone

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### HOME OWNER INFORMATION

\_\_\_\_\_  
Home Owner Name

\_\_\_\_\_  
Home Owner Service Address

(\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_      (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
Phone      Alt. Phone

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Description of work to be completed:

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*For Authority Use Only:*

\_\_\_\_\_      \_\_\_\_\_  
Account Number      Premise Number

\_\_\_\_ / \_\_\_\_ / \_\_\_\_\_      \_\_\_\_\_      \$ \_\_\_\_\_ . \_\_\_\_\_  
Received on      Permit Number      Permit Fee



## **AMUD INSPECTIONS**

AMUD has developed 'General Development Policy' and 'Construction Standards' based on State and Federal laws requiring AMUD to make inspections. The General Development Policy and Construction Standards are available upon request.

Most often a contract is between AMUD and building contractor and rarely with plumbing contractors or sub-contractors. Therefore whoever has contracted with AMUD is responsible for making sure all inspections are complete. AMUD is required to retain inspection reports for the State of Texas, Texas Commission of Environmental Quality, (TCEQ) for a period of ten years.

Inspections are required for the protection of the public water supply and to insure the proper installation for customer use.

**AMUD POLICY STATES THAT REQUEST FOR INSPECTION BE MADE 24 HOURS IN ADVANCE.**

AMUD staff will handle inspection calls on first call basis and will get to inspection site as soon as possible.

**AMUD WILL NOT ESTABLISH SERVICE TO PREMISE IF SERVICE LINES ARE NOT INSPECTED.**

AMUD should be called for inspections at rough in, before any dirt or concrete is place over lines at foundation and from foundation to AMUD connections.

AMUD should be called for inspections at top out, after all fixtures meet plumbing code, and all backflow devices are in place.

Other components AMUD will be Inspecting are:

### **Water Connections**

- Materials used and sized properly
- Buried depth of water lines
- Interconnection/Cross connection violations
- Vacuum breakers, and backflow devices
- Customer shut off valve
- Connections made to AMUD lines
- Lead in solder or flux

### **Wastewater Connections**

- Materials used and sized properly
- All wastewater lines meet proper grade and elevations
- All wastewater services equipped with clean outs
- Separate Inspections required on GRINDER PUMP installations

*AMUD does not require pressure or vacuum tests on residential service lines, water and/or wastewater.*

# INSPECTION REQUIREMENTS: Water/Sewer Connection

## 1. GENERAL TAP INFORMATION

- 1.1. Tap fees are to be paid when service agreement is filled out.
- 1.2. Each dwelling or commercial unit shall have a single water and sewer tap.
- 1.3. Taps are made on first come basis. Every attempt will be made to make water and sewer tap within 14 days of signed contract.
- 1.4. 48 hours' notice is required for locates and in no case will tap be made prior to locate being done.
- 1.5. "General Development Policy and Construction Standards" manual is available upon request.

## 2. GENERAL INSPECTION INFORMATION

- 2.1. When the facility, to be inspected, is in place but prior to any backfill, the Developer/Contractor shall request an inspection of the installation by the District.

**Requests for inspection must be made at least 24 hours in advance.**

- 2.2. Inspections will not be made after 4:00pm nor on Saturdays, Sundays or Holidays. Backfill shall be completed immediately after installation is approved.

## 3. ROUGH-IN INSPECTION REQUIREMENTS

- 3.2. Residences or commercial buildings constructed within the District must be connected to the District Water system. Each dwelling unit or commercial establishment shall have a single metered connection.
- 3.3. Visual examination of joints and lay of pipe is to be performed prior to backfill.
- 3.4. All backfill used is to be clean and free of debris and rock.
- 3.5. There shall not be any water connection to any condensing, cooling, industrial process, swimming pool, or any other system of non-potable water usage unless the connection is made through an approved backflow device.
  - 3.5.1. All sill cocks, threaded faucets or any other outlet to which a hose could be connected, shall be equipped with an approved hose bib vacuum breaker. Including any temporary construction setups.
- 3.6. A courtesy Valve is to be installed within 12" of meter, on customer side of meter.

## 4. CSI Inspection requirements:

- 4.2. CSI Inspection is required by the Texas Commission on Environmental Quality, (TCEQ), on all new connections.
- 4.3. 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 the state plumbing regulations. Additionally, all pressure relief valves and thermal expansion devices are in compliance with the state plumbing codes.
- 4.4. 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.
- 4.5. No connection exists which would allow the return of water used for condensing; cooling or industrial processes back to the public water supply.
- 4.6. No pipe or pipe fitting which contains more than 8.0% lead exists in private plumbing facilities installed on or after July 1, 1998.
- 4.7. No solder or flux, which contains more than 0.2% lead, exists in private plumbing facilities, installed on or after July 1, 1998.
- 4.8. No plumbing fixture is installed which is not in compliance with at state approved plumbing code.

## 5. Hose Bib Inspection requirements:

- 5.2. All sill cocks, threaded faucets or any other outlet to which a hose could be connected, shall be equipped with an approved hose bib vacuum breaker.

## 6. Enforcement:

- 6.2. No water connections are to be made from contractor to homeowner without proper permits and inspections being completed and filed.

# LOW PRESSURE WASTEWATER SYSTEM (LPWWS) POLICY AND PROCEDURES

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## 1. NEW LPWWS ADDITIONS TO AMUD:

- 1.1. Specific Board of Directors approval is required for additional LPWWS systems to be incorporated into AMUD's present or future systems. LPWWS will be considered for approval only when conditions make a conventional gravity collection system impractical. An engineering report justifying the use of LPWWS versus a conventional gravity system shall be submitted for consideration by the Board. The report shall contain an overall system design prepared and stamped by a Civil Engineer registered in the State of Texas. The EPA's "Manual of Alternate Wastewater Collection Systems" shall be used as the basis for design.
- 1.2. AMUD reserves the right to reject any request for a new LPWWS.
- 1.3. If Board approval is obtained, detailed construction plans and specifications shall be prepared and submitted for AMUD review and approval prior to the commencement of construction.
- 1.4. Minimum main collection line size shall be two inch.

## 2. CONNECTION TO LPWWS:

- 2.1. Each residential and commercial unit served by a LPWWS shall be equipped with sewer grinder facilities purchased from the District.
- 2.2. A single grinder system is required for each single-family residence and each living unit of multi family residences or complexes.
- 2.3. Sewer grinder systems for commercial units will be sized with respect to anticipated sewer flows. Cost will vary depending upon type of grinder system required. For commercial units, grease traps and pre-treatment systems may be required at the discretion of the District.
- 2.4. Sewer grinder system material charges are due and payable at the time such material is required for installation. No material will be released until the applicable charges are paid in full.
- 2.5. Initial installation of each grinder system is the responsibility of the owner/builder in accordance with the requirements of the District and applicable State and Local codes. Grinder control panels must be located exterior to any building and be accessible to District employees for service purposes. Final inspection and approval by a District employee or representative is required to obtain sewer collection service. Inspection of grinder systems will be performed by the District personnel only after required checklists are returned to District office. Additional inspections required due to systems not meeting District specifications will be charged additional inspection fees.
- 2.6. Electrical service for operating the sewer grinder shall be provided by the customer through a dedicated 240 volt 30 ampere circuit breaker which has no other connections either external or internal to the grinder control panel.

## 3. MAINTENANCE:

- 3.1. Maintenance and repairs for sewer grinders will be provided by the District. Grinder systems must be purchased from the District office.
- 3.2. Maintenance of the yard line from the property line to the grinder is the responsibility of the property owner.
- 3.3. If the grinder system requires repair as a result of negligence or misuse by the Owner, the District will repair such sewer equipment and the Owner will be required to reimburse the District for all related costs.

## 4. INSTALLATION OF GRINDER PUMP BASINS AND PANELS:

- 4.1. It is the responsibility of the owner/contractor to install the grinder pump system to AMUD specifications. Installation of all components of the grinder pump system shall be done by or under the supervision of a licensed master plumber and electrician.
- 4.2. Basins - All basins shall be installed outside and buried in the existing terrain. No basin will be allowed to be installed under any structure or set on top of the ground. All basins shall be installed to a minimum of 3" above final grade. For installations requiring an extension to meet grade requirements, contact the District office to purchase this item.
- 4.3. Discharge Line - Shall be no less than 1 ¼" in diameter and be schedule 40 PVC pipe. All bends shall be no greater than 45 degree. 90 degree bends are not allowed!!! Discharge line and all bends shall be left uncovered for inspection. All discharge lines that will be under any wall or driveway shall be sleeved with a minimum of 3" schedule 40 PVC pipe.
- 4.4. **NOTE: A line inspection must be called for prior to any final inspection request. If a line inspection has not been made, and the lines are covered without approval, the District will require the lines to be uncovered for inspection.**

5. **Inlets/Outlets** - All inlets and outlets shall be watertight joints. Inlet pipe shall be a minimum of 30" from the bottom of the tank to the center of the inlet pipe.

6. **Grinder Pump Control Panel 230 Volt/Single Phase** - Shall be a minimum of 4' above final grade and installed on an outside wall or approved device, no farther than 20' from grinder basin. Each grinder pump shall have a separate 230 volt/single phase water proof type disconnect switch box located within 5 feet of grinder pump control panel furnished by the contractor/builder or owner. Grinder pump control panel is not to be used as a junction box or altered in any way. No outside lights, irrigation timers or any other connection is allowed inside panel.

7. **Additional guidelines** are included in the attached Plumbing and Electrical Checklists, which must be completed and signed by the responsible master plumber and electrician, then returned to the AMUD office before a final inspection will be scheduled. A minimum of three (3) working days' notice must be allowed in scheduling the final inspection. Accommodation must be made to allow final inspection to occur during normal working hours. In conjunction with final inspection, AMUD will install the pump assembly and conduct a start-up of the system.



## CHECKLIST: GRINDER PUMP – PLUMBING

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The following list of requirements must be completed for all grinder systems and the plumbing contractor must sign off this document on before the District will perform a final inspection. Failure to properly install system to these standards will result in additional inspection fees.

**Note: All boxes below must be checked even if an item does not apply.**

- Grinder basin must be set at a depth so as to provide a minimum of 3" above final grade.
- Basin will have a minimum of 240 lbs of concrete around the base of the basin so as to prevent floating, settling, or shifting.
- Basin shall be placed on a level concrete pad – minimum 4" thick.
- If installation of basin to the proper depth cannot be met the plumber must contact the District for approval.
- Inlet pipe from residence must enter basin at a height so as to provide a minimum of 30" clearance from the bottom of basin to center of the inlet pipe.
- All piping, hubs, etc., leaving or entering tank will be sealed with a waterproof silicone type material to prevent leakage.
- Discharge pipe leaving tank and continuing to tap at sewer main will be no less than 1 ¼" schedule 40 PVC pipe. Have no 90-degree bends and be buried to depth of at least 12".
- Any discharge line running under any concrete structure must have a sleeve pipe of at least 3" and contain no other piping in this line.
- If an extension to the grinder basin is required to meet specs, the contractor must pay for and have the plumber install to District specifications.
- The discharge line running from the basin to the street must be properly bedded with a sand backfill, no rocks will be allowed in the discharge ditch line.
- A line inspection must be called for prior to any final inspection request. If a line inspection has not been made and the lines are covered without approval, the plumbing contractor will be required to uncover the lines for inspection.
- There must be a working outside hose bib at each residence to provide the District a means of filling a tank for final inspection and for future cleaning when needed.

Once the line inspection has been made and all of the above requirements have been met and checked off the plumbing contractor must sign below and return this form to the AMUD Office or given to inspector. By signing this document you are stating that plumbing has been installed in accordance with stated construction practices and in compliance with District LPWWS Policy and Procedures.

License #: \_\_\_\_\_

Signed this day by \_\_\_\_\_ Date \_\_\_\_\_

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





## CHECKLIST: GRINDER PUMP – ELECTRICAL

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The following list of requirements must be completed for all grinder systems and the electrical contractor must sign off this document on before the District will perform a final inspection. Failure to properly install system to these standards will result in additional inspection fees.

**Note: All boxes below must be checked even if an item does not apply.**

- The electrical contractor will be responsible for providing an electrical disconnect for the grinder system to be located within 5' of the grinder pump control panel.
- Grinder panel to be mounted on outside wall of structure or suitable means of support, if not mounted on structure wall or building.
- Electrical panel must be mounted at least 4' above grade and no farther than 20' from grinder basin.
- Conduit from disconnect and from panel to grinder basin will be either schedule 80 electrical PVC pipe, or liquid tight flexible conduit, PVC pipe will contain sweeps, no water type fittings. Liquid tight connectors are required if using flexible type conduit.
- The District will supply all hubs for connections to the basin; these hubs must be sealed with a waterproof sealant.
- All piping or conduit from panel to the basin must be buried at least 18".
- Electrical contractor is required to pull all wiring from the basin to the electrical panel. All wiring is to be left intact; if any wires are cut the electrical contractor shall be required to replace wiring.
- No splicing is allowed.
- Electrical contractor is responsible for supplying the power to the panel in accordance with all NEC codes.
- Electrical contractor shall complete all electrical connections inside panel.
- No other wiring or circuits are allowed inside or passing through electrical panel.
- A four conductor circuit is required as power for the electrical panel.

Once the line inspection has been made and all of the above requirements have been met and checked off the electrical contractor must sign below and return this form to the AMUD Office or given to Inspector. By signing this document you are stating that electrical has been installed in accordance with stated construction practices and in compliance with District LPWWS Policy and Procedures.

License #: \_\_\_\_\_

Signed this day by \_\_\_\_\_ Date \_\_\_\_\_

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