

Plumbing Requirements for Travis County Municipal Utility District #10

Phone (512) 402-1990

Travis County MUD #10 uses the Uniform Plumbing Code

Plumbing Requires:

Contact I.O. Inspections, Inc to schedule all plumbing inspections by phone 512-770-5534 or online at www.ioinspections.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 Must be properly excavated, and the 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 water line must be under pressure from water or air (50 psi or better) at the time of inspection.
 - If a potable water service line and a wastewater line are installed in the same trench, the wastewater service line needs to be below the potable water line.
- **Wastewater Pressurized Yard line:** The line size to the street needs to be confirmed. It should be the same size as the existing street-side tap. Possible 1-1/4" to 2" tap size. The line leaving the basin must be at least 12 inches deep, the proper bedding should be sand, sandy loam or pee gravel. Backfill can be topsoil, but no rocks of 1" in size or any debris (i.e., household trash, cans, bottles, boards or pieces of wood, or building material) is allowed.
 - The wastewater line must be under pressure from water or air (50 psi or better) at the time of inspection.
 - A wastewater line that passed under a driveway, walkway or flatwork are to be installed in a PVC sleeve at least two (2) sizes larger than the pressurized wastewater service line, minimum 4-inch diameter.

- **Grinder Pump:** Upon connection of the sewer yard line the builder will need to contact the District for a grinder pump start up.
 - 230V supply via 10-gauge wire and 30-amp breaker at the electric supply with double pole.
 - A standard disconnect switch at the grinder pump, similar to a HVAC compressor.
 - There is a local audio/video alarm at the grinder pump; however, an additional audio/video alarm in the garage is a new requirement. This requires a double socket box. This alarm is activated via a 16-gauge wiring arrangement.
 - The effluent line from the house should be at 30" above the grinder pump tank's bottom. Eighteen inches is absolute minimum; however, thirty inches is desired. Five-foot tank depth is the standard vertical dimension and the normal approximate 30-inch tank diameter. The top edge of the grinder pump tank needs to extend (upward) above the landscape grade to ensure that rainwater is not allowed to flow/leak into the tank.
 - The effluent line will need to have a 2-way clean-out location with an appropriate capped connection.
 - The effluent line will enter the grinder pump tank via a rubber grommet connection.
 - Builder needs to dig a 60" x 48" hole for the grinder pump, provide line to street connection.
 - Travis County MUD No. 10 will provide the grinder pump, outside control box, field disconnect, local alarm, all field connections, commissioning, and on-going service.

- **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:

Travis County MUD #10 requires that all homeowners have two (2) shut off valves. One shut off valve should be located near the house to isolate the house and to allow for irrigating. The second valve should be located out by the meter box to turn off both the house and irrigation.

Water Pressure Regulating Valve (PRV):

Travis County MUD #10 requires homeowners to install pressure regulating valves (PRV) because of the large variations in line pressure caused by fluctuations in demand and the hilly terrain. The home should have no more than 80 psi, and the PRV will be there to protect the 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 faxed 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.