

PLUMBER'S GRINDER PUMP SYSTEM INSTALLATION CHECK LIST

The following check list applies to all grinder pump systems installed within LMUD's service area. This document represents criteria inspected at each check point. It must be presented to LMUD's field department representative at each inspection and signed off on as complete prior to a final inspection being performed by LMUD's Chief Plumbing Inspector: Troy Gray, IO Inspections (www.ioinspections.com). Failure to properly install a grinder pump to LMUD standards will result in additional fees. ALL GRINDER PUMP INSTALLATIONS MUST BE DONE BY A LICENCED PLUMBER OR SOMEONE WORKING UNDER THE DIRECT SUPERVISION OF A RESPONSIBLE MASTER PLUMBER. The valid plumber's license and associated driver's license must be on file with Lakeway MUD before work begins.

SERVICE INSTALLATION ADDRESS	NAME(S) OF PROPERTY OWNER(S)	
COMPANY NAME	PHONE NUMBER	PLUMBER'S LICENSE NUMBER

Inspection Requirements: **Inspections can be scheduled by calling LMUD's main office at 512-261-6222 ext. 110**

Two (2) check point inspections are required prior to final inspection: 1). Tank Set and 2). Sewer Yard Line. Line from the wastewater tap to tank plus concrete around the basin must remain visible (uncovered) for these inspections. Both plumber and electrician check lists must be presented to LMUD's field team representative during each inspection. Plumber should conduct a pressure test prior to scheduling sewer yard line inspection. Power must be supplied to the electrical disconnect and all backfilling needs to be done around the tank before the final inspection is scheduled.

- All underground utilities have been located prior to construction (Texas811: 800-344-8377 or texas811.org).
- Coordination has been made with LMUD to accommodate time schedule for final tie-in, including running wastewater main and setting tap prior to install.
- Provided grinder pump kit materials have been scheduled for delivery by LMUD.
- Location assessment has been completed by LMUD and is followed in construction planning. Specs and Standard Details have been received from LMUD and are followed in construction planning as well as standard industry codes.
- A two-way cleanout is installed prior to grinder pump tank.
- The grinder pump tank is installed outdoors in a location as determined by LMUD's assessment. If depth is a problem the plumber is to contact LMUD's main office (512-261-6222 ext. 110) to determine an alternative. No tank will be allowed to be installed in or under any structure or set on top of the ground without approval from LMUD.
- The grinder pump tank is installed to a depth so as to maintain a minimum of six (6) inches above final grade. If this cannot be done then an extension can be sourced and purchased by the plumber. All tanks are to be concreted around the bottom of the basin with a minimum of 400 pounds of concrete.
- Discharge lines must be 1 ¼ inches in diameter and be of pressure rated schedule 40 PVC pipe. The top of the discharge line from the house into the tank must not be installed any lower than 24 inches from the bottom of the basin. The discharge line leaving the basin shall have a minimum depth of six (6) inches of backfill at the first 45 degree bend. The balance of the line shall maintain a depth of no less than 12 inches to the wastewater tap. No more than seven (7) 45-degree bends are allowed without prior LMUD approval. All discharge lines must have a minimum of three (3) inches of sand or pea gravel (no rocks) over or under them.
- The plumbing installed inside the basin will be installed in this order: PVC sch 80 female adapter, 1 ¼ inch x 24 inch nipple penetrating through the rubber grommet into the tank, 1 ¼ inch ball valve, 1 ¼ inch close nipple, 1 ¼ inch check valve, 1 ¼ inch close nipple, 1 ¼ inch union, 1 ¼ inch close nipple, threaded, 1 ¼ inch tee set like a 90 with a threaded 1 ¼ inch plug in the top of the tee, 1 ¼ inchx24 inch stand pipe, and pump. Union must be installed after the change of direction horizontally for future removal/service.
- All hubs and rubber boots used for pipe installation must be sealed to a watertight seal.
- Electrical: Plumber should run 2 inch rigid electrical conduit (or acceptable alternate; no white PVC is to be used!) from the panel to the tank. The pump and float wires should be pulled into the grinder pump panel and no wires are to be cut. If any wires are cut, the plumber will pay for replacement of the affected pump component(s). A 2-inch vinyl/rubber grommet is supplied by LMUD for the connection of the conduit from the panel into the tank basin and it must be used. Do not fill the conduit with sealant. All excess wires are to be left in the tank's basin.
- Septic system, if applicable, has been properly decommissioned following Texas Administrative Code, Title 30, Part 1, Chapter 285, Subchapter D, RULE §285.36. A Manifest Trip Ticket for Hauled Liquid Waste form has been completed and sent to LMUD to be filed with LCRA.

The following section is to be completed by LMUD representative at each inspection.

TANK SET INSPECTION

SEWER YARD LINE INSPECTION

INITIALS _____ DATE _____

INITIALS _____ DATE _____

COMMENTS:

COMMENTS: