



## Requirements and Specifications for Installation of Sewer System “Grinder Unit”

### General:

The following are the technical requirements you and your contractor will need to properly prepare your home for the installation of your Sewer Service Grinder Unit (“Unit”). Please contact us with any questions or comments. info@bolivarsewer.com 409-684-9941.

### Location:

The Grinder Unit will occupy a net area of 4 feet x 4 feet. The actual dimension of the Unit is 24 inches in diameter. **You will need to provide us with a site plan of your house that includes the Base Flood Elevation and the proposed location of where you intend to install your Unit. It must be located on the opposite side of the house from your water meter.** The Unit will be installed level with the finished grade of the concrete slab of your house.

This Unit should be located in an area that is:

- Accessible by our installation equipment and personnel.
- Adjacent to your home within 10 feet from edge of ground level slab.
- On the opposite side of the house from the water meter.
- Free of overhead obstructions (no decks, porches, or stairways overhead).
- Removed from any vehicular traffic (not where cars and other vehicles will be damaged).

***An ideal location would be in a flower bed within close proximity to the elevated platform supporting your air conditioning compressor.***

### Electrical:

Our installation contractor will install and connect the Control Panel for the Unit at an elevated area on your home. The controls must be installed at or above the Base Flood Elevation required by FEMA and Galveston County. **You or your contractor will need to install and provide one (1) 230V, 30 Amp Disconnect.** This is the same type connection required for most air conditioner compressors. We recommend that the Disconnect and Control Panel be installed on or adjacent to your air conditioner compressor platform.

***EXPLANATION: The 230V feed should have a black, red, white and ground wire coming to the Disconnect. All electrical contractors will have full knowledge of this requirement. Simply insure they are aware of the requirement. Black and red are powered with 115V each, totaling 230V. White is neutral. Ground to ground is standard.***

### Plumbing:

Our installation contractor will install and connect the outflow of your plumbing system to the Unit. **Your plumbing contractor should install your internal plumbing system to terminate into one (1) 4-inch sewer line within a distance of not more than 10 feet from the location of the Unit and should flag the line.** The unit has a watertight seal which requires the system to be vented. It is sealed to prevent sewer from leaking onto your property and to prevent groundwater from leaking into the Unit. Our installation contractor will install and connect to your house a 2-inch diameter pipe to vent the Unit. The top of the Vent pipe will be extended to the Base Flood Elevation. An internal vent may be provided by your plumbing contractor. If you are interested in an internal vent, please have your contractor contact us for detailed specifications.