

GRINDER PUMP INSTALLATION, TROUBLESHOOTING, AND PROCEDURAL CHECKLIST

The following is an itemized list that identifies and briefly describes the typical procedures that are to be performed as part of the property owners requirement for completion of connection to their grinder pump station. This checklist is intended to provide additional detail on the steps required for connection to the grinder pump station and is not intended to provide detailed guidelines. HAWASA recommends that these procedures be reviewed by the property owner and with any contracted electrician or plumber.

All required inspections will be completed and all associated fees will be paid prior to connection to the sanitary sewer system. Refer to information provided in the Notice To Connect Packet for complete information on all requirements, inspections, and fees.

Typical Electrical Responsibilities and Procedures:

- Energize the Grinder Pump Basin Control Panel from the existing Electrical Panel.
- Ensure wiring size and breakers are installed in strict compliance with all manufacturer's specifications.
- Ensure that the wiring is securely landed at the designated locations and preform a "tug test".
- Ensure that the pumps are energized and operational. Quickly bump the pumps. Do not manually override and run the pumps dry or without water inside of the Grinder Pump Basin.
- Ensure that the visible and audible alarms are functioning.
- Ensure that the breakers internal to the Grinder Pump Basin Control Panel and the breaker feed in the existing Electrical Panel are left on the "On" position.
- Ensure that the Hand/Off/Auto switch internal to the Grinder Pump Basin Control Panel is set to the "Auto" Mode.

Typical Plumbing Responsibilities and Procedures:

- Open the Grinder Pit Basin Lid and inspect the inside of the basin to verify the basin is free of debris and all pipe connections and unions are air and water tight. Check for any loose connections.
- Verify that the influent pipe inside of the Grinder Pump Basin has at least 2% of slope and is installed within a rubber grommet.
- Verify that the pump is securely installed and seated within the pump cradle at the bottom of the Grinder Pump Basin.
- Visually inspect that the Grinder Pump Basin floats are freely hanging and secured to the stainless-steel bracket internal to the Grinder Pump Basin and that the floats are not tangled.
- Verify that the anti-siphon valve is in the "open" position.
- Verify that the curb stop/swing check valve assembly located at the property right of way is in the "open" position.
- Fill the Grinder Pump Basin with water to an acceptable level and manually "bump" the pumps to ensure that all connections are watertight and that the pumps will operate and function to draw down the Grinder Pump Basin.
- After connection of the Sanitary Sewer Lateral to the Grinder Pump Basin, run faucets and flush toilets internal to the property to ensure that internal plumbing is piped correctly, flowing freely, and is not blocked or clogged.

- Confirm that the plumbing internal to the properties is adequately vented in compliance with the local plumbing code.
- If warranted by specific site conditions, an exterior trap on the Sanitary Sewer Lateral may be required. Should you believe this is necessary, contact HAWASA for additional information.
- Verify that the Hand/Off/Auto switch internal to the Grinder Pump Basin Control Panel is set to the "Auto" Mode.
- The Grinder Pump Basin lid should be re-installed and secured with the stainless steel 9/16" bolts. Do not use an impact gun and socket to re-install and tighten.

(See Attached is the Manufacturer's Troubleshooting Checklist)