



Village Wastewater Co, Inc.
P.O. Box 5693
380 Bella Vista Way
Bella Vista, AR 72714

INSTALLATION AND INSPECTION POLICY

Effective April 1, 2009, Village Wastewater Company will require any person responsible for the installation of a residential sewage pumping station to adhere to the installation and inspection policy.

Due to previous problems encountered, the Board of Directors of VWWC has adopted a standardized set of installation criteria to be followed. The requirements shown below must be followed **without exception** to get the system approved and connected to the sewer system. A certificate of occupancy will not be issued until the final setup/inspection has been completed by VWWC.

1. All conduit and plumbing connections in and out of the tank will be left exposed for inspection by the VWWC staff. Inspection will be completed within 1 working day following notification.
 - a. Inlet Pipe – must be installed using a 5” hole saw with a 4” Adapt-a-Flex water-tight connector. (**#3 on diagram**)
 - b. Outlet Pipe – must have the stainless-steel pipe extending from the tank to the 2” PVC discharge line. This connection must be a pressure connection (**no Fernco or hose fittings**) and the stainless must be supported by undisturbed soil or packed under with bricks/blocks.
 - c. Electrical Conduit – must be sealed with silicone to prevent moisture and ground water from entering the J-box inside the tank.
2. Tank lid must be installed 2” – 6” above **final grade** of lawn or landscape.
3. Tank lid will be below elevation of lowest floor having plumbing fixtures or floor drains.
4. Do not place tank under a deck or in an area that will have heavy traffic.

Typical Grinder Installation

General Contractor

1. The tank lid must be installed 2” – 6” **above final grade** of lawn or surrounding landscape. The tank lid will be below floor elevation of the house. **Absolutely no extensions or risers will be installed with the tank. This creates a hazard for future maintenance to the lift station.**
2. The tank must not be obstructed in any way by shrubs, bushes, decorative rock, or any other fixture that would inhibit maintenance to the lift station. **Village Wastewater Company is not responsible for damage that is a result of noncompliance with these requirements.**
3. Tank will be placed within sight of electrical panel. Place the tank in a location that is not under a deck or in an area that will have heavy traffic.
4. Please call VWWC at (479) 855-7613 to set floats before water is allowed to flow into the tank.



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Electrician

1. Nema 4 J-Box (**#1 on diagram**) – All electrical connections will be made by Village Wastewater personnel inside this J-Box.
2. Electrical Inlet (**#4 on diagram**) must have a watertight connection to the conduit from house mounted panel. ***This will be left exposed for inspection.***
3. Electrical feed into the wall-mounted panel must be a minimum of a 220VAC, single phase, 20-amp circuit. AWG 12/3 with ground minimum feed wire. An electrical disconnect must be provided at the pump station area (clearly visible from the tank) for maintenance purposes.
4. Use of stranded wire conductors between the control panel and pump is recommended.

2HP / 220V Grinder Pump

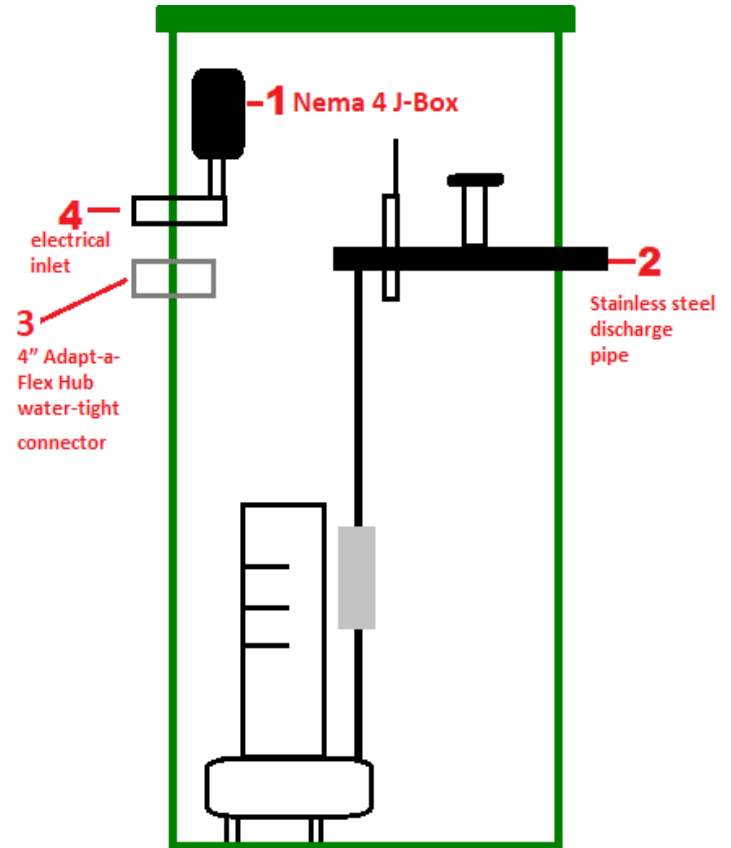
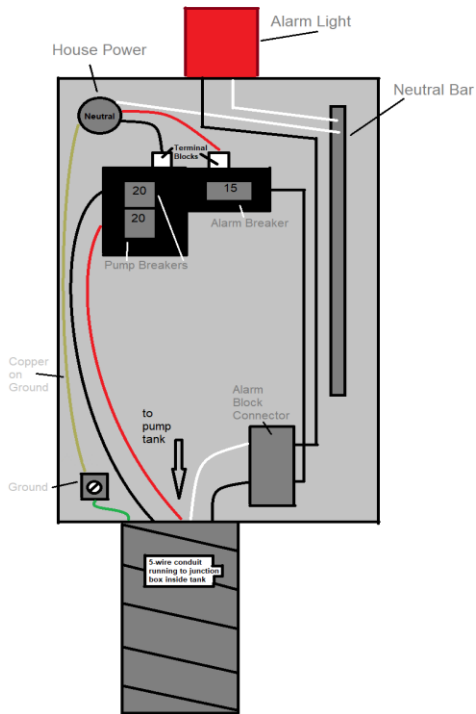
- a. Two (2) conductors + ground, AWG 12 minimum, required for pump.
- b. Two (2) conductors, AWG 14 minimum, required for alarm light.
- c. ***No neutral is required from panel to J-box.***

Plumber

1. All piping connections at tank will be left exposed for inspection.
2. Stainless steel discharge pipe supplied with tank (**#2 on diagram**) installed outside the tank wall will be sufficient length to rest on undisturbed soil. ***This pipe must rest on undisturbed soil or packed under with bricks/blocks.***
3. 4" Adapt-a-Flex Hub water-tight connector supplied with the lift station will be installed in the inlet and silicone sealed both inside and outside to prevent infiltration which causes overload to the collection system.
4. **ABSOLUTELY NO FERNCO or PVC DRAIN TYPE FITTINGS ON PRESSURE LINES.**
5. Please call VWWC at (479) 855-7613 to set floats before water is allowed to flow into the tank.

ARKANSAS STATE LAW SECTION 11.5. REQUIRES: *Septic Tanks no longer in use must be pumped out by a licensed septic tank cleaner, collapsed, and filled with clean material at the time of abandonment.*

For assistance or questions please call Village Wastewater Company at (479) 855-7613.





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Pumping Station Information

Due to the improper installation of many of the single-family grinder pump stations, the information included will be the guide for installation used by **every** contractor/installer. Each of the approved lift stations are slightly different in the wiring needs and materials supplied. Installation of the inlet and discharge piping and electrical connections have been a problem in the past. Future installations will not be approved until inspection confirms proper plumbing and electrical practices have been followed. A certificate of occupancy will be denied until the inspection has been passed.

Village Wastewater Company will inspect the installation prior to putting the unit into operation. A VWWC technician will adjust the float system in the tank to proper operating conditions. Please **do not** turn on the pumping system until final inspection has been completed. Manufacturers will not guarantee the pump if it has been improperly installed.

Any change from the pre-approved grinder installation must be approved by Village Wastewater Company prior to installation.