

Hamilton County Water & Wastewater  
Treatment Authority (WWTA)

Inspection Notification and  
Typical Details for  
Septic Tank Effluent Pump (STEP) Systems



Revised April 1, 2024

## **Installation of Septic Tank effluent Pump (STEP) Systems**

1. The tanks used shall meet the requirements of the WWTA and approved before installation. The plumber shall submit a STEP tank location drawing to the WWTA office for approval before the connection permit will be issued.
2. The tanks shall be located for easy access by the WWTA for inspection, maintenance, and pumping. Tanks shall be placed close to the road whenever possible. If the tank is located so that the driveway is the only way to gain access, the WWTA will not be responsible for any damage that may accrue to the driveway.
3. The area where the tank is placed must remain accessible to the WWTA. Cleanouts for the tank, sewer line and connection box must remain visible for maintenance.
4. The WWTA must be called before installation begins so that it can perform a visual inspection of the tank and approve the area the tank is going to be installed.
5. All small diameter pipes that cross roadways or driveways must be incased in a carrier pipe of no less than 4 inch in diameter with rubber boots on both ends.
6. All change in directions to have thrust blocks and 90 degree elbows will not be allowed.

## INSPECTION NOTIFICATION

### **1st Inspection from WWTA — Call 423-209-7842**

When the tank is ready for delivery to the site, call 24 hours before to set an appointment time with the WWTA for an RPR to be onsite to inspect the tank before it is unloaded from the truck. The gravel bedding for the tank must be inspected and approved before the tank is set.

### **2nd Inspection from the WWTA Plumbing**

Plumbing – this will include the discharge line from the tank to the connection box and the gravity line from the building to the tank. (This section of pipe shall be installed to the specifications in the WWTA specifications found in Section 02731 PVC Gravity Sewers for Service Line Pipes.) All pipe is to be encased in washed stone per specifications.

### **3rd Inspection from WWTA Pump**

After the control panel, disconnect and pump have been installed, temporary power needs to be supplied to the pump and control panel for the purpose of testing the pump and control's proper operation.

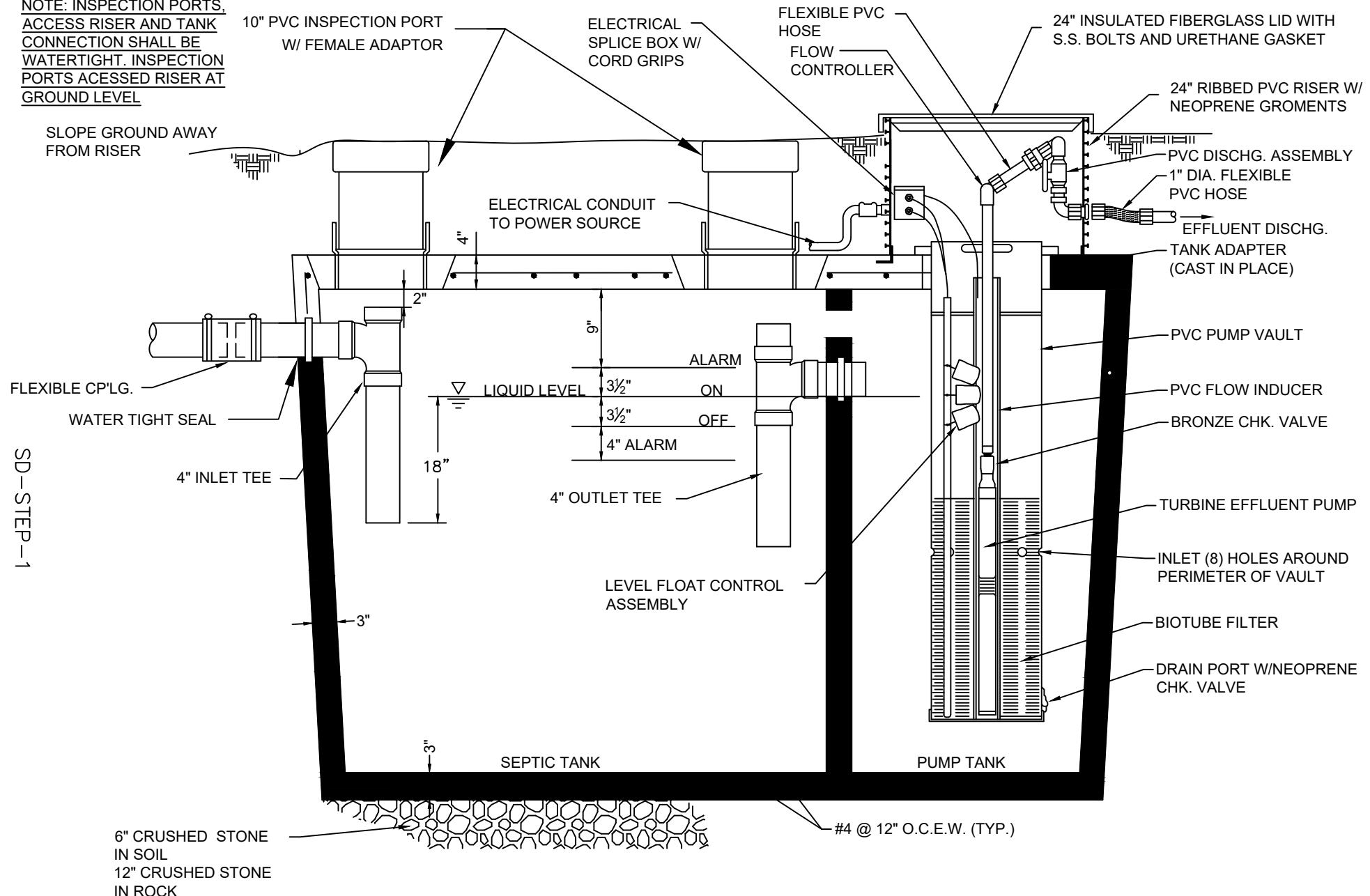
### **4th Inspection from Hamilton County Building Inspection — Call 423-209-7860**

After disconnect has been set and permanent power has been supplied to the control panel.

**The yard must be at finished grade before the final approval is given from the WWTA.**

NOTE: INSPECTION PORTS, ACCESS RISER AND TANK CONNECTION SHALL BE WATERTIGHT. INSPECTION PORTS ACESSED RISER AT GROUND LEVEL

SLOPE GROUND AWAY FROM RISER



## SEPTIC TANK EFFLUENT PUMP (STEP) INSTALLATION DETAIL