

Technical Specifications

The Public Water Supply District #13 of Jefferson County is installing a new wastewater treatment plant and sewer collection system to serve the Lake Tishomingo community. The collection system will include a complete STEP (septic tank effluent pumping) system for each residence that connects to the sewer system. By ordinance of the District, every home within 300 feet of the collection system must connect to the sewer system.

Before the STEP system can be completely installed, each homeowner shall install or make available a dedicated electrical service. This service must be available no later than October 31, 2010.

If the electric service is available by that date and meets the specifications set forth by the District, the District will pay for the complete installation of the STEP system including all connections necessary to make the system complete and useable.

If the electrical service is **not** available by that date, the homeowner's residence will **not** be connected to the sewer system at the sole expense of the District. The District will only pay for the installation of the STEP tank, pumping system, control panel, and the service connection at the street. In this case, the homeowner will be responsible for obtaining the necessary permits and for the cost to connect the new STEP tank to the existing gravity sewer service line, the cost to install the sewer force main lateral from the STEP tank to the service connection at the street, and the cost for all electrical connections.

Technical Specifications:

1. The homeowner shall provide a dedicated 120 Volt, Single Phase, 20-Amp Circuit with Disconnect switch. All external boxes shall be rated NEMA 3R. A typical installation is shown in Figure 1.
2. The Disconnect switch, if at all possible, shall be located within sight of the STEP tank location, which will be immediately adjacent to the existing septic tank unless other arrangements have been made.

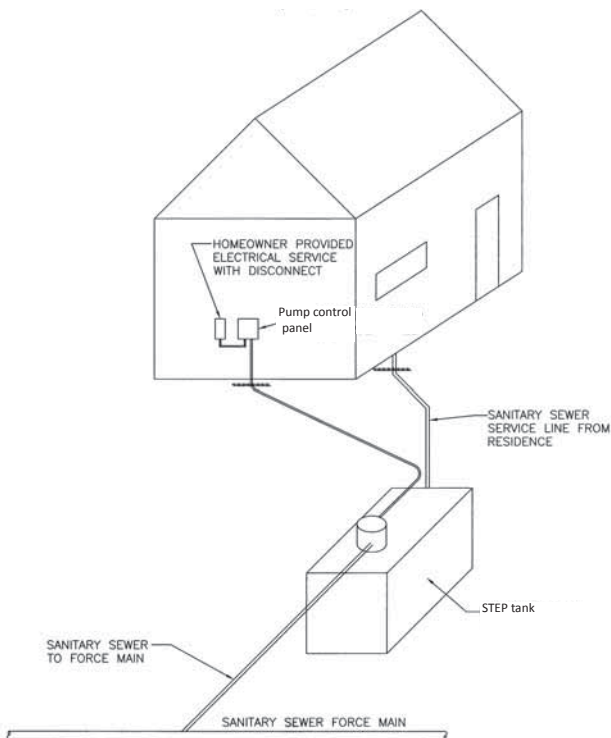


Figure 1. Typical homeowner-provided electrical circuit with signed easement.

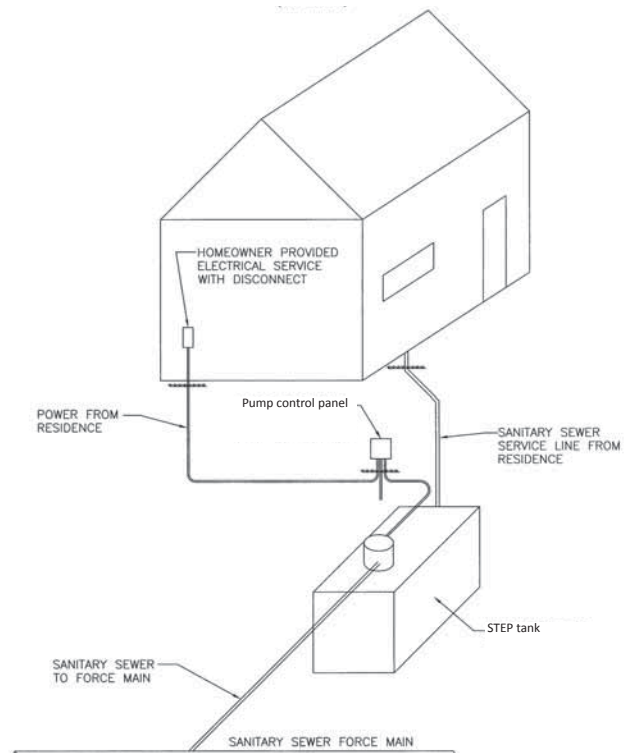


Figure 2. Typical homeowner-provided electrical circuit without signed easement.

3. If an electrical easement has been signed and the homeowner wishes the pump control panel to be mounted on the side of the house, the homeowner shall install the Disconnect in an area where there is acceptable space for mounting both the Disconnect and the pump control panel immediately adjacent. The pump control panel dimensions are 12 inches (height) x 10 inches (width) x 6 inches (depth). See Figure 1.

It is the homeowner's responsibility to locate the Disconnect in an area where installation of the pump control panel will not cause any unnecessary damage to the home.

If an electrical easement has not been signed or the contractor is unable to mount the pump control panel on the house, the control panel will be mounted immediately next to the STEP tank. See Figure 2.

4. If the Disconnect is not within sight of the STEP tank or the location is not suitable for mounting of the pump control panel, the contractor will mount the control panel immediately next to the STEP tank with a second Disconnect. See Figure 3.
5. The electrical Disconnect shall be placed so the District's contractor does not have to run the electric service line or pump control cables through an impermeable surface such as asphalt or concrete. If this can't be avoided, it may be necessary for the contractor to run conduit along the wall of the house rather than underground.
6. The Homeowner shall retain the services of a properly licensed electrician to install the dedicated circuit and Disconnect. It shall be the responsibility of the licensed electrician to install the circuit according to all state and local codes.
7. Each Homeowner shall submit a certification that they have a dedicated electric service available and that it meets the specifications provided by the District. Only one certification per residence is required.

For the Homeowner that has a new service installed, the licensed electrician responsible for the work shall certify that the installation meets the requirement set forth by the District. This certification must be submitted to the District before the improvements will be recognized and accepted.

For the homes that have an existing and readily available electrical service for the STEP system, such as those homes with an existing aerated system, the District will accept a certification from the homeowner that states the existing service meets the specifications provided by the District.

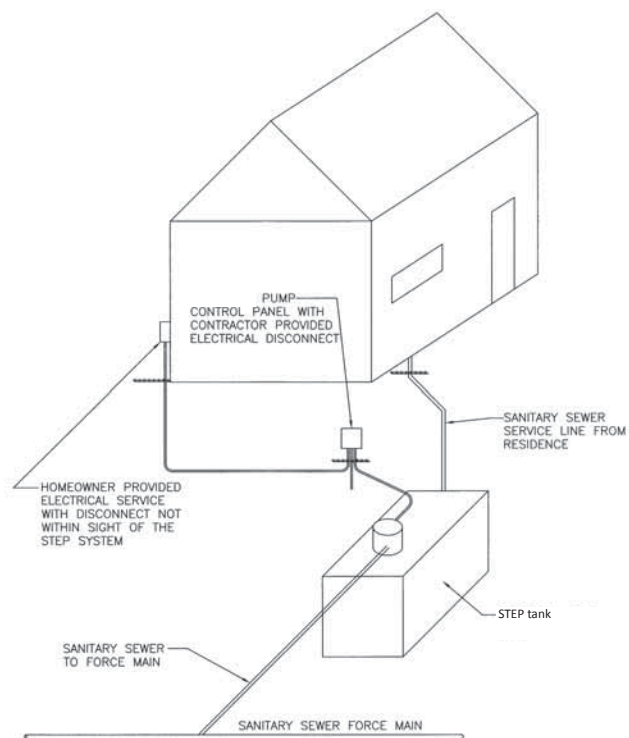


Figure 3. Typical homeowner-provided electrical circuit not within sight of STEP tank.

Electrical Certification Form

New Electrical Service

I _____ do hereby certify that a dedicated electrical service
(Electrician's Name)

has been installed at _____ by me or under my direct
(Lake Address)

supervision that meets or exceeds the specifications provided by the Public Water Supply District #13 of Jefferson County for the operation of a Septic Tank Effluent Pumping System (STEP). At a minimum, the electrical service is a 120 volt, single phase, 20 amp dedicated circuit with NEMA 3R rated disconnect switch.

Homeowner Name

Electrician Name (Printed)

Homeowner Address

Electrician Signature

Homeowner Phone Number

License Number

Lot Number

Date

Please return by **October 31, 2010** to:

PWSD #13
5699 Lake Tishomingo Rd
Hillsboro, MO 63050

Electrical Certification Form

Existing Electrical Service

I _____ do hereby certify that I am the owner of the
(Homeowner's Name)

property located at _____ and that said property has an
(Lake Address)

existing electrical service available and sufficient to support a Septic Tank Effluent Pumping System proposed for installation by the Public Water Supply District #13 of Jefferson County.

I also hereby certify that the available electrical service meets the specifications set forth and made available to me by the District, which include, but is not limited to a minimum of a 120 volt, single phase, 20 amp dedicated electrical circuit with NEMA 3R rated disconnect switch.

Homeowner Name

Homeowner Address

Homeowner Phone Number

Lot Number

Homeowner Signature

Date

Please return by **October 31, 2010** to:

PWSD #13
5699 Lake Tishomingo Rd
Hillsboro, MO 63050