



PERMIT TO CONSTRUCT
Onsite Sewage Treatment and Disposal System

File Number: 2008020009
County: Abbeville

SPECIAL INSTRUCTIONS/CONDITIONS

THIS PERMIT IS SITE SPECIFIC. ANY CHANGES TO THE SYSTEM MUST BE APPROVED BY DHEC.

ANY UNAPPROVED CHANGES WILL VOID THIS PERMIT.

- *Install in Area Shown
- *Trench Lines Must Follow Level Surface Contours
- *Do Not Exceed Max Depth
- *Use Step Downs as Needed
- *Greater than or equal to 5 Feet from Property Lines and Foundation
- *Greater than or equal to 50 Feet from any Wells
- *Greater than or equal to 50 Feet from any Stream, Lake, or Pond
- *Greater than or equal to 25 Feet from any Ditches or Gulleys
- *Greater than or equal to 15 Feet from any Cuts of 2 Feet or More
- *Do Not Drive or Park Over System
- *If This Sketch Does Not Accurately Represent the Location and Layout of the house and or other improvements on the lot the health department must be notified prior to construction
- *Pump will be Required. Pump size to be determined once house foundation is set. Contact Abbeville Health Department for pump sizing
- *ELECTRICAL CERTIFICATION MUST BE PROVIDED BEFORE FINAL APPROVAL CAN BE RELEASED.
- *SEE ATTACHED PUMP DATA SHEETS FOR FURTHER INFORMATION

Issued/Revised By: _____

Date: _____



Region 1 Public Health Office

Anderson, Abbeville, Edgefield, Greenwood, Laurens,
McCormick, Oconee, & Saluda

CERTIFICATE OF PUMP SYSTEM
ELECTRICAL CONNECTIONS

RE: ⁴⁵⁰ 2008070009 GREG SHAW RD ABBEVILLE CO
INSTALLATION

ADDRESS

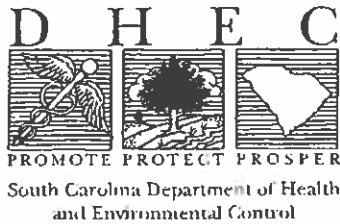
I HEREBY CERTIFY THAT ALL PUMP SYSTEM ELECTRICAL CONNECTIONS AT THE ABOVE-REFERENCED INSTALLATION WERE MADE IN ACCORDANCE WITH THE SUBMERSIBLE EFFLUENT PUMP STANDARDS ISSUED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL OR, WITH OTHER APPLICABLE CODES, WHERE MORE STRINGENT.

SIGNATURE

DATE

NAME OF COMPANY

ADDRESS



Region 1 Public Health Office

CONTROL DEVICES, ELECTRICAL CONNECTIONS, AND APPURTENANCES FOR SEPTIC PUMP SYSTEMS

(As taken from the South Carolina ISTDS Reference Guide , Section E-2.003)

Pumps, Control Devices and Electrical Connections

- ?? Pumps shall be listed by Underwriter's Laboratory or an equivalent third party testing and listing agency, and shall be specifically manufactured for use with domestic wastewater.
- ?? Sealed mercury control floats or similar devices designed for detecting liquid levels in septic tank effluent shall be provided to control pump cycles. A separate level sensing device shall be provided to activate an audible and visible high water alarm. Pump-off levels shall be set to keep the pump submerged at all times.
- ?? Pump and control circuits shall be provided with manual circuit disconnects within a watertight, corrosion resistant, outside enclosure (NEMA 4X or equivalent) adjacent to the pump tank, securely mounted at least 12 in. above finished grade, unless installed within a weather-tight building. Alarm circuits shall be supplied ahead of any pump overload or short circuit protective devices. The pump(s) shall be manually operable without requiring special tools or entrance into the tank for testing purposes. Conductors shall be conveyed to the disconnect enclosure through water proof, gas proof, and corrosion resistant conduit(s), with no splices or junction boxes provided inside the tank. Wire grips, duct seal, or other suitable material shall be used to seal around wire and wire conduit openings inside the pump tank and disconnect enclosure.
- ?? For systems requiring duplex pumps, each pump shall operate in a lead-lag sequence and be on an alternating cycle. A control panel shall be provided which shall include short circuit protection for each pump and for the control system, independent disconnects, automatic pump sequencer, hands-off-automatic (H-O-A) switches, run lights, and elapsed time counters for each pump.

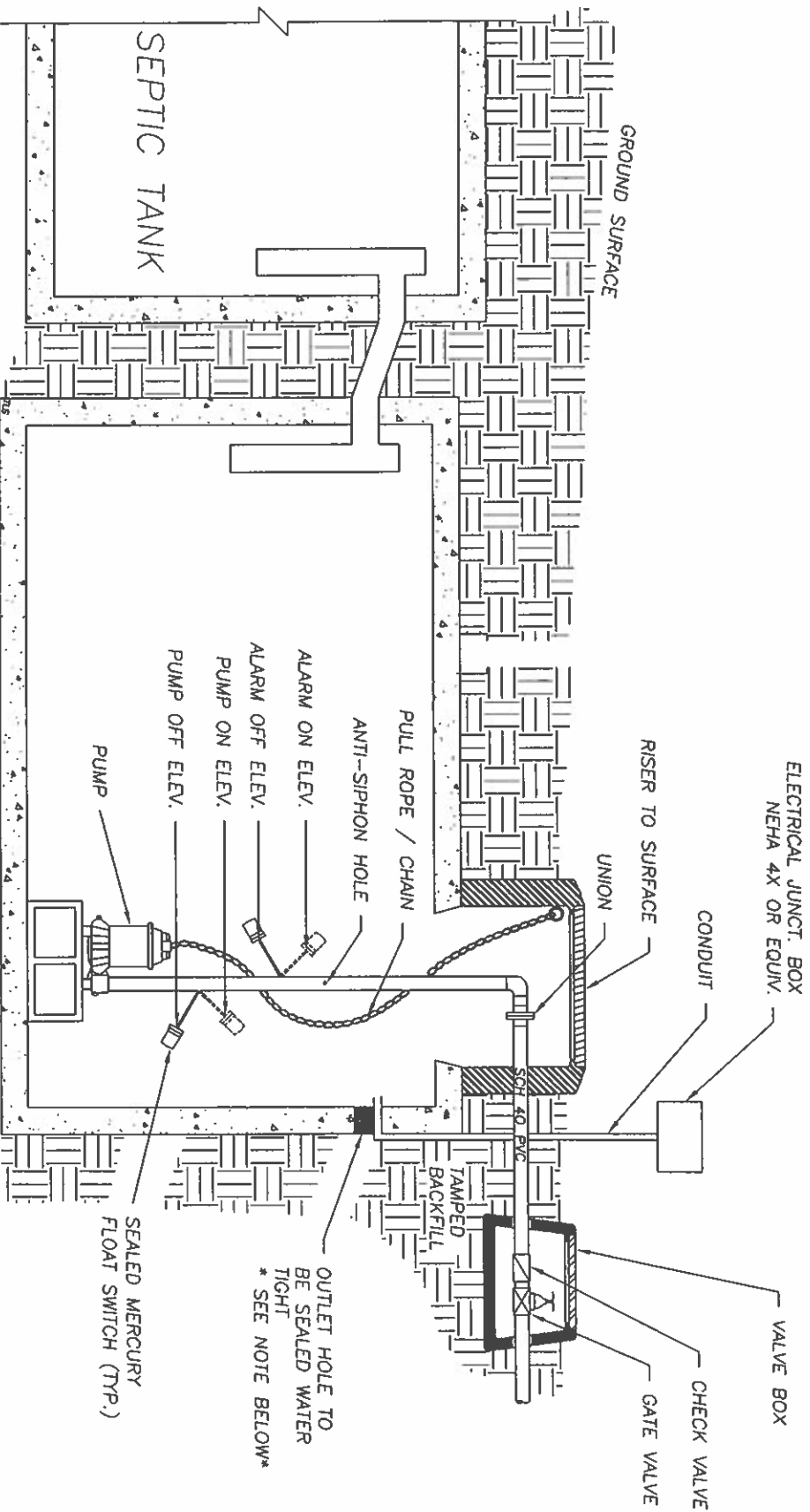
Final Inspection and Approval

- ?? Upon final inspection, the property owner or agent shall provide literature, including a pump curve, describing the specific pump installed. The inspector shall evaluate the system in accordance with this Standard, and shall confirm that all items, including the minimum pump capacity specified on DHEC Form 1739, have been satisfied.
- ?? Prior to final approval, the installer or electrician shall provide the Department with written documentation that all pump system electrical connections were made in accordance with this Standard or with other applicable codes if more stringent.
- ?? The Department may require testing of the pump system, demonstration of water-tight integrity, or any other procedure deemed necessary to confirm the acceptability of the installation.

Local wiring / electrical codes that exceed the above requirements must be followed, check with your local building department for guidelines.

* See attached drawing for details on suggested pump tank installation.

ONSITE WASTEWATER PUMP SYSTEMS TYPICAL INSTALLATION



PUMP TANK (1000 GALLON)

NOTE: PUMP SHOULD REMAIN SUBMERGED AT ALL TIMES
PUMP AND ALARM SHALL BE WIRED ON SEPERATE CIRCUITS

RISERS AND OTHER TANK
SECTIONS MUST BE SEALED
WATER TIGHT WITH A
PLIABLE, WATERPROOF,
CORROSION-RESISTANT
SEALANT.