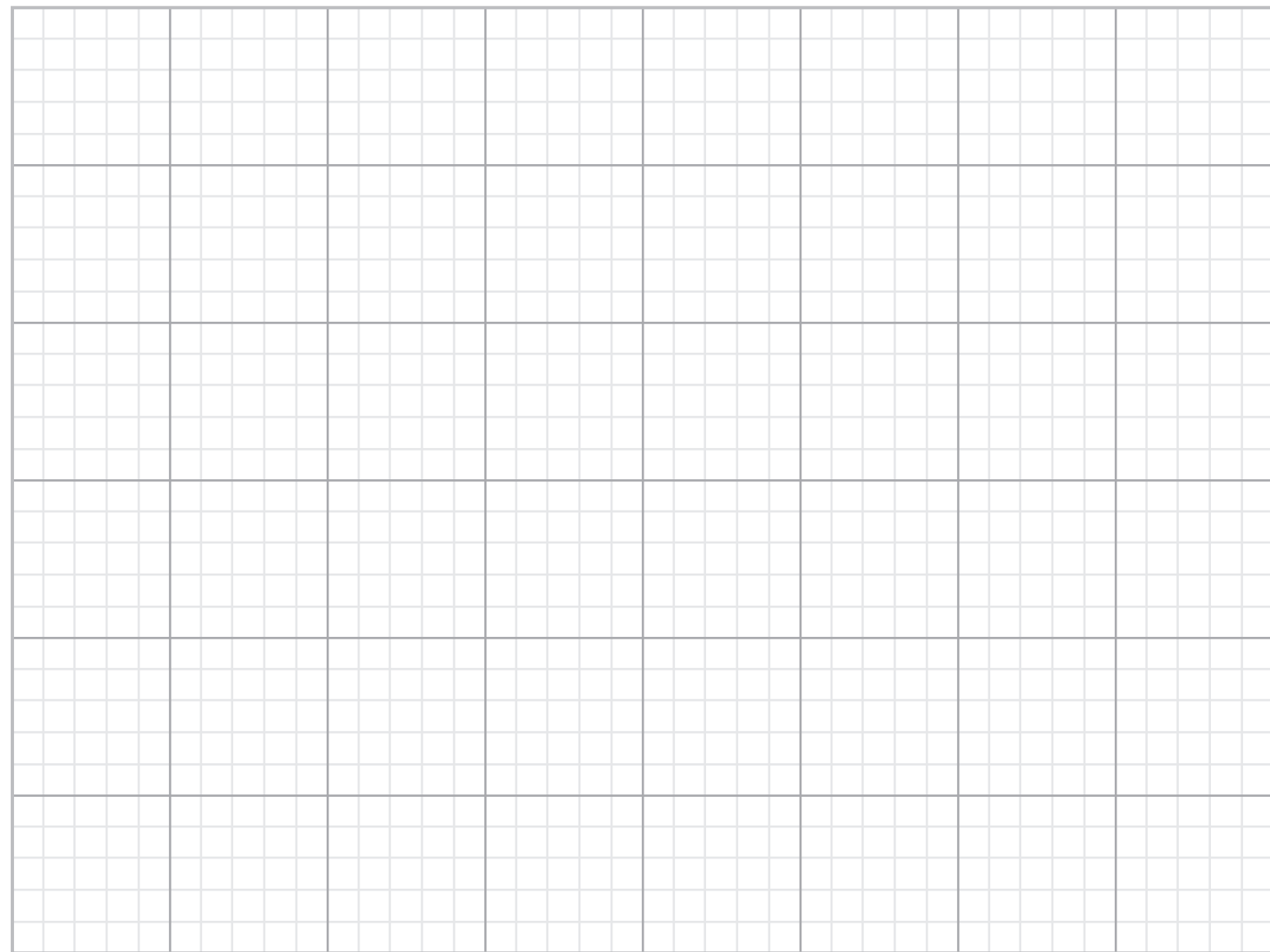


Site Plan with Wastewater System

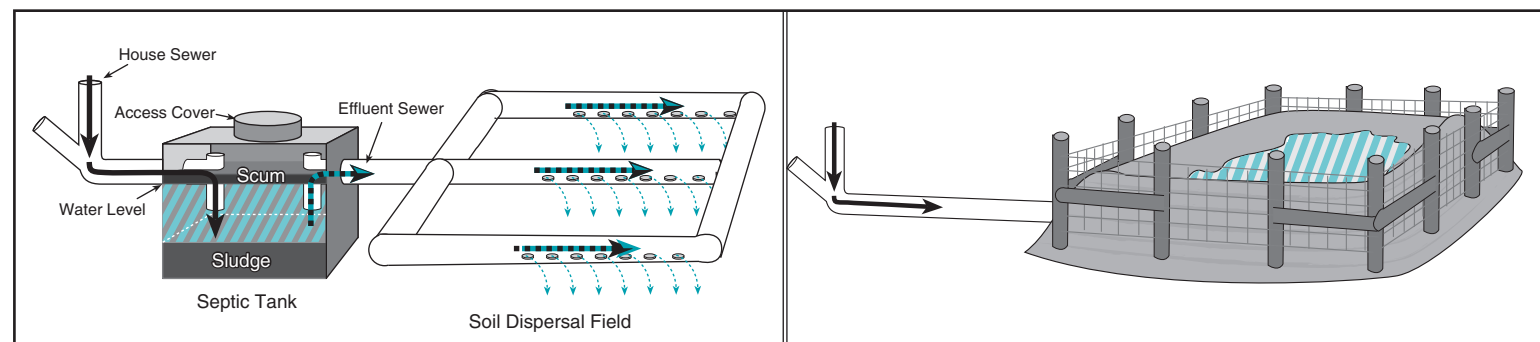


Scale: 1" = 20'    1" = 40'  
 1" = 25'    1" = 50'    other \_\_\_\_\_

How Your System Works

A septic system has just two basic working parts: a septic tank and a soil dispersal field.

A lagoon has only one part, but requires annual maintenance. A lagoon does not require a septic tank.



**Sewage** is all wastewater from homes, businesses, etc. State standards and local codes prohibit surface discharge of any wastewater.

**A Septic Tank** protects the dispersal field from solids and scum that cause system failure. In the tank, heavy solids settle to the bottom and light materials float to the surface. They are retained and partly degraded to sludge by anaerobic bacteria.

**A Soil Dispersal Field** receives clear effluent from the tank. Filtration and microbes treat the effluent as it enters and percolates through the soil. Excess treated water finally reaches groundwater.

**A Lagoon** receives and treats wastewater, either raw sewage or septic tank effluent. The water is dispersed to evaporation and seepage. Sludge accumulates in the lagoon. Lagoons must be fenced to protect children and animals.

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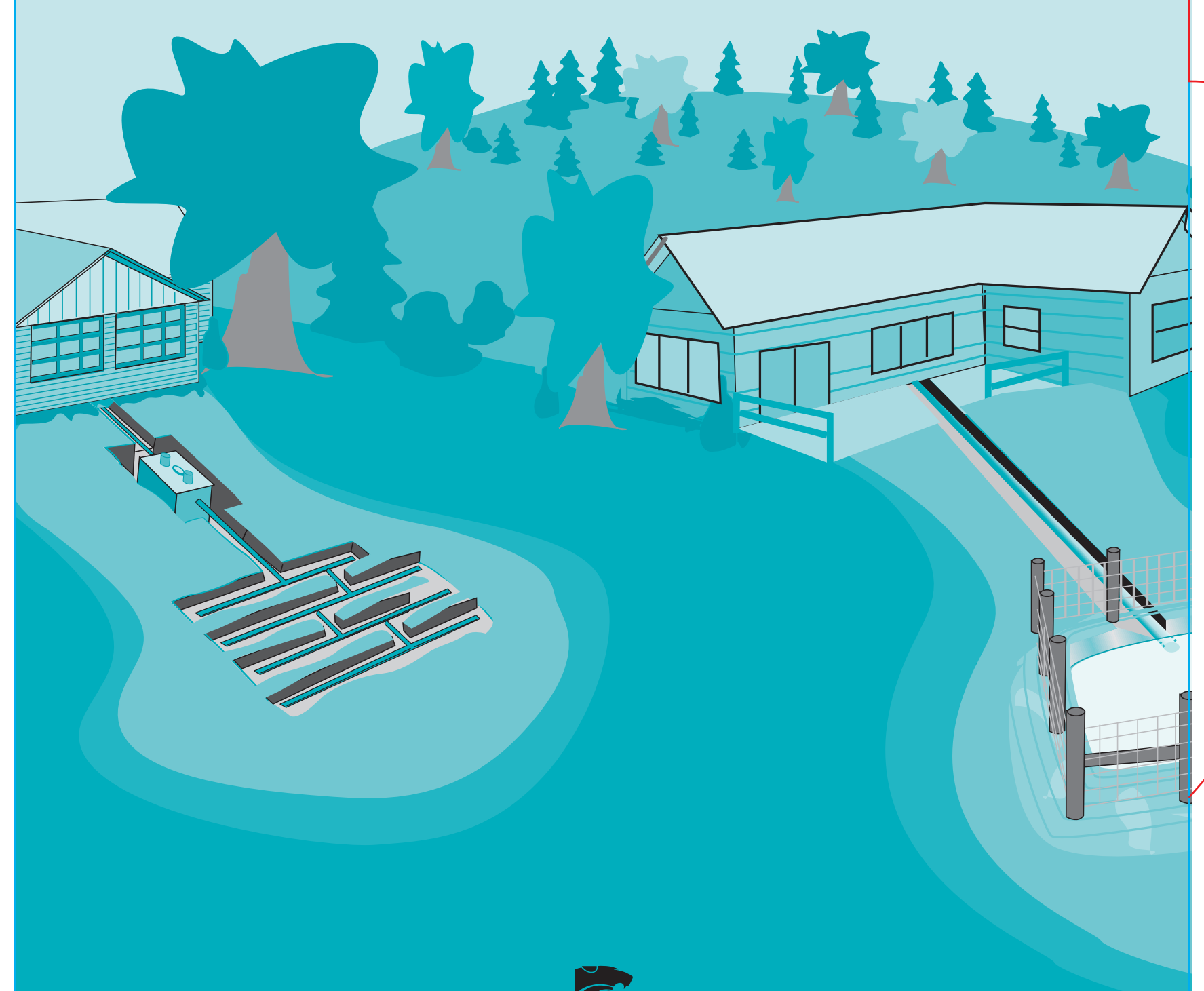
Kansas State University Agricultural Experiment Station and Cooperative Extension Service

S-90 rev.

September 2010

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Your Wastewater System Owner/Operator Manual



Kansas State University Agricultural Experiment Station and Cooperative Extension Service

Permit No.	Date	Firm	Work Done	Cost

**Your System Pumper**

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Emergency \_\_\_\_\_  
*(or attach business card)*

Date	Firm	Work Done	Cost

**Your System Installer/Service Provider**

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Emergency \_\_\_\_\_  
*(or attach business card)*

- Sources of Additional Information**
- Local Health Office or Planning/Zoning Office
  - Local K-State Research and Extension Office (County or District)
  - Local USDA, Natural Resources Conservation Service
  - Kansas Department of Health and Environment
  - Kansas State University, Extension Biological and Agricultural Engineering
- Publications** (K-State Research and Extension except as noted):
- Assessing Wastewater Operators for Smaller Communities in Kansas (KDHE [www.kdhe.state.ks.us/nps/lpp/](http://www.kdhe.state.ks.us/nps/lpp/))
  - Environmental Health Handbook (KDHE Watershed Management)
  - Get to Know Your Septic System (Onsite Wastewater Treatment), MF-279
  - Minimum Standards for Design and Construction of Onsite Wastewater Systems, KDHE Bulletin #2, K-State Research and Extension MF-2214
  - Selecting an Onsite Wastewater or Septic System, MF-2542
  - Septic Tank Maintenance: A Key to Longer Septic System Life, MF-947
  - Site and Soil Evaluation for Onsite Wastewater Systems, MF-2645
  - Wastewater Pond Design and Construction, MF-1044
  - Wastewater Pond Operation Maintenance and Repair, MF-2290

**Your System Installer/Service Provider**

Available from your local environmental or health office, K-State Research and Extension, or the Web at [www.ksre.ksu.edu/library/](http://www.ksre.ksu.edu/library/)

Why Do Onsite Wastewater (Septic) Systems Fail? MF-946