

LONE STAR SEPTIC SERVICE

Installation - Maintenance - Repairs
PO Box 4522- Victoria, TX 77903-4522

(361) 782-2421

Jim Walpole - Lic # 0007059 - Clay Walpole - Lic #0024927

Invoice No.

0193288

Bill To

John & Maria Bees
482 LaLucia St.
Port Lavaca, TX 77979

SITE Address

482 LaLucia St.
Magnolia Beach, TX 77979

| INVOICE DATE | P.O. Number | INSTALL DATE | Terms | Permit # |
|---|---|--------------|-------------------|-------------|
| 7/23/2020 | | 7/23/2020 | DUE AT INSTALL | 2020-135 |
| Quantity | Part or Description of Work | | Price Each | Amount |
| | 800 GPD AEROBIC SEPTIC TANK; RISERS; SPRAYERS w/PADS; PIPING & MATERIALS ; ELECTRICAL WIRING & MATERIALS; SAND; EQUIPMENT & LABOR; DELIVERY. ALL SALES TAX INCLUDED | | 8,500.00 | 8,500.00 |
| | SEPTIC DESIGN & SOIL EVALUATION PERMITS & FILING FEES | | 500.00 | 500.00 |
| <div>Rec'd \$2,500.00 CASH Rec'd \$4,000.00 ✓ #3026</div> | | | | |
| | | | | |
| <div>IT IS AGREED THAT THE SELLER WILL RETAIN TITLE TO ANY EQUIPMENT OR MATERIAL FURNISHED UNTIL FINAL & COMPLETE PAYMENT IS MADE, AND IF SETTLEMENT IS NOT MADE AS AGREED, THE SELLER SHALL HAVE THE RIGHT TO REMOVE SAME AND THE SELLER WILL BE HELD HARMLESS FOR ANY DAMAGES RESULTING FROM THE REMOVAL THEREOF.</div> <div><u>TERMS: DUE ON RECEIPT</u></div> <div>THANK YOU!</div> <div><u>PARTS WARRANTY</u> All parts as recorded are warranted as per manufacturer specifications.</div> | | | Subtotal | \$9,000.00 |
| | | | Sales Tax (6.75%) | \$0.00 |
| | | | Total | \$9,000.00 |
| | | | Down Payment | -\$2,500.00 |
| | | | Balance Due | \$6,500.00 |

INITIAL AEROBIC MAINTENANCE POLICY

Our company **LONE STAR SEPTIC SERVICE** will maintain the aerobic septic system located at 482 La Lucia St, Port Lavaca, TX 77979, Permit # _____, for the period of two (2) years beginning _____ and ending _____.

This contract will provide for all required inspections, testing and routine service of your aerobic treatment system. The policy will include the following:

1. Three service inspections a year (at least one every 4 months), for a total of six inspections over the two (2) year period. Service inspections will include all applicable component parts to ensure proper function of it. Any component found not functioning correctly will be repaired or replaced.
2. An effluent quality inspection consisting of visual check for color, turbidity, scum overflow and examination for odors. A test for chlorine residual and PH will be taken and reported as necessary.
3. Any additional visits, inspections or sample collections required by specific Municipalities, Water/River authorities, County Agencies, COMMISSION, or any other authorized regulatory agency in your jurisdiction will be covered by this policy.

If any improper operation is observed, which cannot be corrected at the time of the service visit, you will be notified immediately in writing of the conditions and estimated date of correction.

Maintaining the chlorine tablets correctly is the homeowner (customer) responsibility. The chlorine tube must contain chlorine at all times. If the service representative finds improper or no chlorine at the time of the routine service call, the representative will note on inspection form to add chlorine. Installer's initials CW Homeowner's initials MB.

The Homeowners Manual must be strictly followed or warranties are subject to invalidation. Pumping of sludge build-up, for reasons other than due to warranted mechanical failure, are not covered by this policy and will result in additional charges. Additional services, replacement of out-of-warranty parts and other services offered by installer/representative can be done with written notice for an additional charge.

IMPORTANT: This warranty/service agreement does not cover the cost of service call, labor, or materials which are required due to "misuse or abuse" of system; failure to maintain electrical power to the system; sewage flows exceeding the hydraulic/organic design capabilities; disposal of non-biodegradable materials, chemicals, solvents, grease, oil, paint, etc.; or any usage contrary to the requirements listed in the owner's manual or as advised by authorized service representative.

Charges for parts and additional services can be obtained by contacting your service representative.

If a problem occurs, we will respond within 24 hours from the time of call.

Jim Walpole is certified to do sewer and maintenance on all aerobic septic systems.

HOMEOWNER

Name: John & Maria Bees
Address: 482 La Lucia St
City: Port Lavaca, TX
Zip code: 77979
Phone: 830-832-5110

Maria Bees
Signature of Homeowner/Authorized Agent

SERVICE PROVIDER

Name: Lone Star Septic Service
Address: 1261 Jentry Rd.
City: Inez, TX
Zip code: 77968
Phone: 361-782-2421

[Signature]
Signature of Service Provider
#OS0007059
License #

LONE STAR SEPTIC SERVICE

MAINTENANCE INSTRUCTIONS AND WARRANTY

All septic systems require some maintenance. The following are suggested for your system to insure the best possible performance and longest life.

Maintenance and Management Practices:

1. An OSSF should not be treated as if it were a normal city sewer system.
2. The excessive use of in-sink garbage grinders and grease discarding should be avoided. In-sink grinders can cause a rapid buildup of sludge or scum resulting in a requirement for frequent cleaning and possible failure.
3. Do not use the toilet to dispose of cleaning tissues, cigarette butts, or other trash. This disposal practice will waste water and also impose an undesired solids load on the treatment system.
4. Septic tanks shall be cleaned before sludge accumulates to a point where it approaches the bottom of the outlet device. If sludge or scum accumulates to this point, solids will leave the tank with the liquid and cause possible clogging of the perforations in the drain field line resulting in sewage surfacing or backing up into the house through the plumbing fixtures.
5. Since it is not practical for the average homeowner to inspect his tank and determine the need for cleaning, a regular schedule of cleaning the tank at two-to-three year intervals should be established. Commercial cleaners are equipped to readily perform the cleaning operation. Owners of septic tank systems shall engage only persons registered with the COMMISSION to transport the septic tank cleanings.
6. Do not build driveways, storage buildings, or other structures over the treatment works or the drain field.
7. Chemical additives or the so-called enzymes are not necessary for the operation of a septic tank. Some of these additives may even be harmful to the tank's operation.
8. Soaps, detergents, bleaches, drain cleaners, and other household cleaning materials will very seldom affect the operation of the system. However, moderation should be exercised in the use of such materials.
9. It is not advisable to allow water softener back flush to enter any portion of the OSSF.
10. The liquid from the OSSF is still heavily laden with bacteria. The surfacing of this liquid constitutes a hazard to the health of those that might come into contact with it.

Water Conservation Practices:

1. Showers usually use less water than baths. Install water saving showerheads that use less than 2 ½ gallons per minute and saves both water and energy.
2. If you take a tub bath, reduce the level of water in the tub from the level to which you customarily fill it.
3. Leaky faucets and faulty commode fill-up mechanisms should be repaired as quickly as possible.
4. Check commodes for leaks that may not be apparent. Add a few drops of food coloring to the tank. Do not flush. If the color appears in the bowl within a few minutes, the toilet fill or ball cock valve needs to be adjusted to prevent water from overflowing the standpipe, or the flapper at the bottom of the tank needs to be replaced.
5. Reduce the amount of water used for flushing a 3.5 gallon or larger commode by installing one of the following: a new toilet; a toilet dam; or filling and capping one-quart plastic bottles with water (usually one is all that will fit in a smaller toilet tank) and lowering them into the tank of the existing 3.5 gallon or larger toilet. Do not use bricks since they may crumble and cause damage to the fixture.
6. Try to run the dishwasher with a full load whenever possible.
7. Avoid running the water continuously from brushing teeth, washing hands, rinsing kitchen utensils or for cleaning vegetables.
8. Use faucet aerators that restrict flow to no more than 2.2 gallons per minute to reduce water consumption.

ON-SITE SEWAGE FACILITY DESIGN

Name: John Bee S

Address: 482 La Lucia ST

A. Wastewater Load:

The OSSF will serve a 1-bedroom home, less than 1500 sq ft living area, with water devices. And 8 RV's @ 40 gpd each, Wastewater load is 500 gallons per day.

B. Topography:

Slope = Less than 2%

C. Treatment System:

Pro Flo ATU 800 or equivalent
400 Gallon Trash Tank
800 Gallon Aerobic Unit
771 Gallon Pump Tank



Chlorinator:

This system will be equipped with a liquid or tablet chlorinator.

D. Irrigation Area:

$Q / R_i = \text{Total Square Feet of Irrigation Area}$

500 / 0.045 = 11,111 Total Square Feet of Required Irrigation Area

E. Nozzle:

Spray Head #: 1-4

Type: K-Rain or equivalent

Number: 2

GPM: 3.1

Psi: 40

Radius: 30

Spray Area: 2826

Total Square Feet of Application Area = 11,304

F. Pump Requirements:

Use 1" schedule 40 purple pipe for sprinkler system.

Total gallons per minute equal 12.4

Use a ½ horsepower pump capable a pumping 12.4 gallons per minute.

G. Time of Discharge:

Pump to discharge between midnight and four A.M.

H. Vegetation:

As soon as construction will allow, the surface application area shall be covered with grasses. Plants intended for human consumption shall not be grown within disposal area. All vegetation grown inside the disposal area shall be properly maintained to prevent sprinkler head interferences. The homeowner is responsible for providing and maintaining the vegetation in the disposal area.

I. Notes and Additional Specification Requirements:

If discrepancies exist between the design and actual size conditions the installer shall notify the designer and the local permitting to county and state rules/policies, unless specifically noted on this design and approved ;by the local permitting authority.

Additional Notes:

- 1) Water Softener must not drain into aerobic treatment chamber.
- 2) No surface improvements such as buildings, sidewalks, driveways, patios, etc. shall be constructed on the disposal area.
- 3) Grease, cigarettes butts, personal hygiene products, and other trash shall be disposed of in the garbage.
- 4) It is the Installer's responsibility to review the design criteria prior to construction.
- 5) The site shall be finish graded for positive drainage, and or adequate drainage structures shall be constructed if needed prior to system installation.
- 6) Any warranties of the products installed are those made by the manufacturer. The permit holder assumes full responsibility of the system following final inspection approval by the licensing authority.