

DELCON

E N V I R O N M E N T A L S Y S T E M S , L L C

9001 Mountbatten Circle

Austin, Texas 78730

Office: (512) 795-0226 Fax: (512) 795-0232

E-Mail: delcon@austin.rr.com

Invoice

for

Shumate Homes

Thursday, February 24, 2005

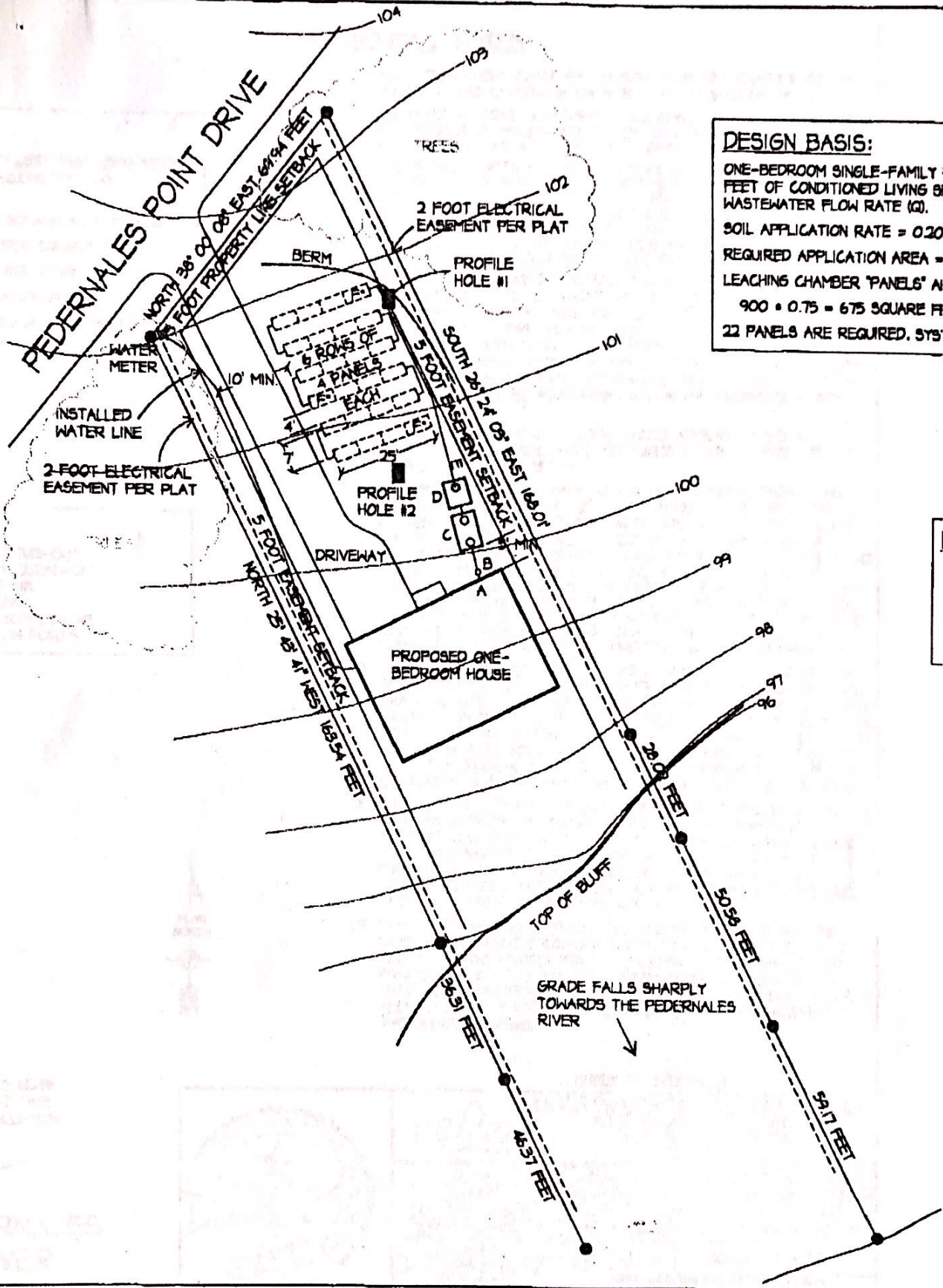
Work Order ID	Date	Work Performed	Bill Amount
Lawrence Excavation			
2280	2/24/2005	Site evaluation, septic design and drawings for new system located at Lot 11, Paleface Pedernales Subdivision (Pedernales Point Drive) LCRA	\$600.00

Invoice Total: \$600.00

Your business is appreciated!

This invoice is due upon receipt. Please make checks payable to Delcon Environmental Systems, LLC.

Page 1



GENERAL NOTES

SEWAGE WITH LESS THAN 1,500 SQUARE
= 180 GALLONS PER DAY

GALLONS PER SQUARE FOOT PER DAY.
/ 0.20 = 900 SQUARE FEET
FOR 25% REDUCTION.
OF APPLICATION AREA
IS DESIGNED WITH 24 PANELS.

SEND:

SEWAGE STUB-OUT
TWO-WAY CLEAN-OUT
SEPTIC TANK
PUMP TANK
2" PVC SUPPLY LINE
INSPECTION PORTS

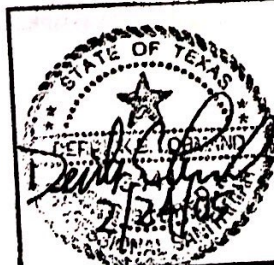


APPROXIMATE EDGE
WATER AT TIME
SITE EVALUATION

PEDERNALES
RIVER

1. ALL PIPING SHOWN SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC UNLESS NOTED OTHERWISE ON SITE PLAN OR SECTION DETAIL.
2. ALL PERFORATIONS IN LATERAL LINES SHALL BE 5/32". SEE TABLE FOR NUMBER OF HOLES AND CENTER TO CENTER SPACING. HOLES SHALL BE DRILLED AT BOTTOM OF PIPES.
3. TREES AND VEGETATION WITHIN THE VICINITY OF THE PROPOSED SYSTEM COMPONENTS SHALL BE PROTECTED. IT IS POSSIBLE THAT DAMAGE MAY OCCUR TO TREES AND VEGETATION DURING THE INSTALLATION OF THIS SYSTEM. NEITHER THE DESIGNER NOR THE INSTALLER SHALL BE RESPONSIBLE FOR VEGETATION REPLACEMENT. REMOVAL AND/OR TRIMMING OF TREES AND VEGETATION MAY BE REQUIRED TO PROPERLY INSTALL AND OPERATE THIS SYSTEM.
4. NO WATER WELL MAY BE INSTALLED CLOSER THAN 150 FEET OF THE PROPOSED SYSTEM. ALL WATER WELLS LOCATED 50 FEET OR LESS FROM ANY PROPERTY LINES MUST BE PRESSURE CEMENT CASED TO A DEPTH OF NO LESS THAN 100 FEET. NO WATER WELL MAY BE INSTALLED CLOSER THAN 10 FEET FROM ANY PROPERTY LINE. ALL WATER LINES SHALL REMAIN AT LEAST 10 FEET FROM ALL SYSTEM COMPONENTS UNLESS NOTED OTHERWISE ON SITE PLAN. NO UTILITY TRENCHING SHALL BE PERFORMED WITHIN THE PROPOSED SYSTEM DRAINFIELD.
5. TO THE BEST OF MY KNOWLEDGE THERE APPEAR TO BE NO EDWARDS AQUIFER RECHARGE FEATURES WITHIN 150 FEET OF THIS PROPOSED SEPTIC SYSTEM.
6. THE DESIGNER WILL DELIVER TO THE PERMITTING AUTHORITY AN APPROVAL/CERTIFICATION LETTER UPON REVIEWING THE INSTALLED SYSTEM INDICATING COMPLIANCE WITH THE DESIGN. APPROVAL WILL NOT BE GRANTED UNTIL ALL INSPECTIONS ARE PERFORMED, ALL REQUIREMENTS ARE ACHIEVED AND ALL FEES TO THE DESIGNER AND THE PERMITTING AUTHORITY ARE PAID IN FULL. A LICENSE TO OPERATE WILL BE ISSUED BY THE PERMITTING AUTHORITY AND USE OF AN ON-SITE SEWAGE FACILITY WITHOUT A LICENSE TO OPERATE IS A VIOLATION OF STATE AND LOCAL LAWS AND REGULATIONS PUNISHABLE BY FINES AND/OR CONDEMNATION OF PROPERTY.
7. THIS PLAN IS INTENDED FOR USE AS AN INSTALLATION GUIDE. THE DIMENSIONS AND LOCATION OF THE PROPERTY AND SITE FEATURES ARE DEVELOPED FROM SURVEYS (IF PROVIDED) AND ANY ADDITIONAL INFORMATION PROVIDED BY THE OWNER, BUILDER OR INSTALLER. THE SITE PLAN IS NOT INTENDED AS A LEGAL LAND SURVEY AND SHOULD NOT BE TREATED AS SUCH. FIELD CONDITIONS MAY HAVE CHANGED SINCE THE ORIGINAL SITE VISIT. IT IS THE RESPONSIBILITY OF THE INSTALLER TO FIELD VERIFY ALL DIMENSIONS AND SITE FEATURES.
8. THIS PLAN IS SITE SPECIFIC AND MAY NOT BE REPRODUCED W/O PERMISSION FROM THE DESIGNER AND DELCON ENVIRONMENTAL SYSTEMS, L.L.C. THIS DESIGN AND THE INFORMATION WITHIN REMAIN THE OWNERSHIP OF THE DESIGNER AND DELCON ENVIRONMENTAL SYSTEMS, L.L.C. ADDITIONAL COPIES OF THIS DESIGN MAY BE OBTAINED BY CONTACTING DELCON ENVIRONMENTAL SYSTEMS, L.L.C. ADDITIONAL PRINTING FEES MAY APPLY.
9. IN MY PROFESSIONAL OPINION, THIS PROPOSED SYSTEM MAY BE OPERATED WITHOUT CAUSING A THREAT OR HARM TO THE PUBLIC HEALTH OR THE ENVIRONMENT. THE OWNER IS RESPONSIBLE FOR PROPER USE OF THIS SYSTEM. SYSTEM ABUSE OR OVERUSE MAY DAMAGE THE PROPER FUNCTION OF THIS SYSTEM CAUSING FAILURES AND POTENTIALLY REQUIRING MODIFICATIONS OR REPLACEMENT AT THE OWNER'S EXPENSE.

SHEET 1 - SITE PLAN



DELCON

ENVIRONMENTAL SYSTEMS, L.L.C.
9001 MOUNTBATTEN CIRCLE
AUSTIN, TEXAS 78730
(512) 795-0226

CLIENT:	SHUMATE HOMES c/o LAWRENCE EXCAV.
STREET:	PEDERNALES POINT DR, SPICEWOOD, 78669
LOT, SUBDIVISION:	LOT II, PALEFACE PEDERNALES SUBD.
PERMIT AUTHORITY:	THE LOWER COLORADO RIVER AUTHORITY
DRAWN BY:	DATE:
D. E. LORMAND, R.S.	02/24/2005
FILE NAME:	SCALE: 1" = 30'
	PEDERNALES POINT DRIVE.DWG



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200 • Fax (512) 473-3501

SYLVIA BRAYMER
1601 JUDY LYNN DR #113
SPICEWOOD, TX 78669

Permit No.: S-0019781

Legal Description: Subdivision: PALEFACE PEDERNALES Section: Block: Lot: 11
Lake: Travis

I have enclosed your permit for construction of the on-site wastewater facility on the property referenced above. The permit may have some special provisions that are very important to note. During the construction of the system, inspections will be performed and the LCRA inspectors will verify that construction is proceeding in accordance with the guidelines adopted by the Lower Colorado River Authority and any special provisions noted on the permit.

The LCRA's program is designed to protect the water quality of the Highland Lakes. Your commitment to meeting the requirements of the permit is appreciated by everyone who uses and enjoys the Highland Lakes and the Colorado River. Thank you for your assistance in keeping the water clean.

Should you have questions regarding operation and maintenance of the system, please call me at 1-800-776-5272, extension 3216. The application number printed on the permit will help us answer your questions expeditiously.

Thank you again for your concern about water quality. Remember that any time you see or suspect a problem about water quality, you may call Donna Clendennen at 1-800-776-5272, extension 6843.

Sincerely,

James Maynard
On-site Sewage Facilities Program
Water Services



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200 • Fax (512) 473-3501

LCRA ON-SITE SEWAGE FACILITIES CONSTRUCTION PERMIT

For New or Modified Installations of On-site Sewage Systems as required by the LCRA and the Texas Commission on Environmental Quality (TCEQ)

Issued To:

Permit No.: S-0019781

SYLVIA BRAYMER
1601 JUDY LYNN DR #113
SPICEWOOD, TX 78669

Legal Description

Subdivision: PALEFACE PEDERNALES

Section:

Block:

Lot: 11

Issuance Date: 04/05/2005

ExpirationDate: 04/06/2006

General

Lake: Travis
LCRA Zone: W
County: Travis
Dwelling Units: 1
Bedrooms: 2
Kitchens: 1
Bathrooms: 2
Heated Area: 1200 sq.ft.

Septic Tank

Capacities (gallons)
Tank #1: 750
Tank #2: 0
Tank #3: 0
Pump Tank: 500
Compartments: 3

Drainfield(s)

Type of System: LCH
Minimum Field Area: 675 Sq. Ft.
Field Areas: 1
Drainfield Reduction: Y
Low-flow toilets: 2
Low-flow showerheads: 1
Faucet Aerators: 4

Commercial – Non Residential

Gallons Per Day:
BOD Limit: 0

The Permittee is responsible for complying with regulations or restrictions imposed by any governmental authority that imposes higher standards, requirements, or restrictions. Failure to comply with other governmental regulations or restrictions may result in enforcement action by the governmental authority whose regulations or restrictions have been violated. Municipal and county regulations that apply to this property are not considered in the review and issuance of this LCRA permit.

All on-site sewage systems must be installed by a TCEQ, Certified Installer. An owner installing his/her own system is exempt from this requirement. However, the owner must obtain applicable requirements from the LCRA before beginning construction. It is the owner's responsibility to verify an installer is certified by the TTCEQ prior to allowing the system installation.

To Schedule an Inspection – 800/776-5272, Ext. 4091 or 512/473-4091.

Special Provisions:

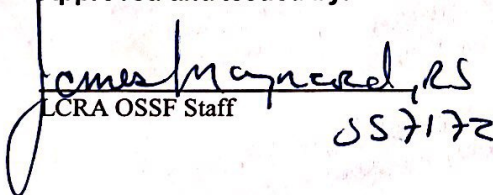
Lower Colorado River Authority

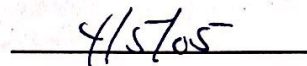
Post Office Box 220 Austin, Texas 78767 • (512) 473-3200 • Fax (512) 473-3501

1. This permit is issued for a 2-bedroom residence having no more than 1,500 square feet of heated living area, with an average daily flow of 180 gallons per day.
2. This permit is for a leaching chamber system. The system size is based on a 25% reduction from the standard absorption trench system.
3. A minimum of 675 square feet of absorptive area is required for this system inclusive of side walls. Panels 3-feet wide will require a minimum of 135 linear feet.
4. A minimum distance of 5 feet from property lines, foundations and easements is required for all components of the OSSF. Setbacks may only be reduced by a written variance request from a professional engineer or registered sanitarian justifying the reduction. Approval of the request, if granted, must be obtained prior to beginning construction.
5. No portion of the OSSF may be installed within 10 feet of a public water supply line.
6. The tanks for this OSSF must maintain a minimum setback of 50 feet from any water well. The drainfield must maintain a minimum setback of 100 feet from a private water well and 150 feet from a public water well.
7. The installation of low-flow devices is required. Low-flow toilets with a flushing capacity of 1.6 gallons or less, showerheads with a flow of 3 gallons per minute or less and faucet aerators are required.
8. As of September 1, 2003, LCRA no longer requires dual drainfields for standard pipe and gravel and leaching chamber OSSFs. Dual drainfields may be allowed provided an automatic flow alternating valve is used.
9. Temporary erosion controls (TECs) must be established prior to beginning construction of the OSSF as required by the LCRA Nonpoint-Source Pollution Control Ordinances.

Approved and Issued by:

Date: 04/05/2005


LCRA OSSF Staff
057172


4/5/05



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200

SYLVIA BRAYMER
1601 JUDY LYNN DR #113
SPICEWOOD, TX 78669

License No. S-0019781

Legal Description: Subdivision: PALEFACE PEDERNALES Section: Block:
Lot: 11

Lake: Travis

I have enclosed your license to operate an on-site wastewater facility on the property referenced above. The license signifies final approval is given that the system is ready for use and meets guidelines adopted by the Lower Colorado River Authority.

The LCRA's program is designed to protect the water quality of the Highland Lakes. Your commitment to meeting the requirements of the license is appreciated by everyone who uses and enjoys the Highland Lakes and the Colorado River. Thank you for your assistance in keeping the water clean.

Should you have questions regarding operation and maintenance of the system, please call me at 1-800-776-5272, extension 3216. The number printed on the license will help us answer your questions expeditiously. For your information, I have also enclosed a booklet titled, "How to Take Care of Your Domestic Septic Tank System."

Thank you again for your concern about water quality. Remember that any time you see or suspect a problem about water quality, you may call 1-800-776-5272, extension 6843.

Sincerely,

James Maynard
On-Site Sewage Facilities Program
Water Services



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200 • Fax (512) 473-3501

LCRA ON-SITE SEWAGE FACILITIES LICENSE

Issued by the LCRA and Authorized Agent of the Texas Commission on Environmental Quality
(TCEQ)

Issued To:
SYLVIA BRAYMER
1601 JUDY LYNN DR #113
SPICEWOOD, TX 78669

License No.: S-0019781

APPLYING TO THE SYSTEM SERVING

Lake: Travis
County: Travis
LCRA Zone: W

Legal Description PEDERNALES POINT

Subdivision: PALEFACE PEDERNALES Section: Block: Lot: 11

Or otherwise described in Licensee's Application No. S-0019781

Final Inspection Date: 05/13/2005

Acceptance of this License to Operate the System constitutes an agreement to abide by the terms and conditions specified in the most current version of the LCRA and TCEQ Regulations.

Special Provisions:

1. This OSSF is licensed to serve a 2-bedroom residence having no more than 1,500 square feet of heated living area, having an average daily wastewater flow of 180 gallons. Should a structural alteration occur to add a potential bedroom or enlarge the heated square footage of the residence, a system modification will be required.
2. LCRA rules require all residential and non-residential facilities served by an OSSF system installed after January 1, 1991, to have low-flow toilets, showerheads, and faucet aerators installed. This license will automatically terminate if the low-flows are replaced with non-low flow devices or should they fall into disrepair preventing them from operating properly.
3. No portion of the drainfield may be utilized for vehicular traffic or parking and no impervious cover may be placed over any portion of the drainfield.




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A construction permit must be obtained from the LCRA prior to any repair work or modification being performed on this on-site sewage system.

Approved and Issued by:

Date: 05/31/2005


LCRA OSSF Staff
057172

5/31/05

Application No. 19 781

Date 6/5/18

LCRA OSSF Reinspection Report

Property Owner: Mark Williams

Property Location: 25625 Perdado Point

On 6/5/18 a re-inspection of the on-site sewage facility located on the above referenced property was performed. This re-inspection revealed the on-site sewage facility to be serving the Three bedroom residence satisfactorily, therefore, the facility is approved.

Tank(s):

Inlet/ Outlet checked: ☒ Visual inspection of inside of tank only _____ Not required: _____

Tank 1 Capacity: 750 gal Type: Septic Tank 3 Capacity: _____ Type: _____

Tank 2 Capacity: 500 gal Type: Pump Tank 4 Capacity: _____ Type: _____

Pump and alarm activated: Yes ☒ N/A _____ Pump and alarm on separate breakers: Yes ☒ N/A _____

Alarm type: Mechanical _____ Light and horn ☒ Light only _____ Other: _____

Comments: Inlet and outlet "T"

Drainfield inspection:

Field area size: 675 SF

Field Type: LCH¹

Property in use: Yes ☒ No _____

Indication of use: Per Application

Dual drainfield: Yes _____ No ☒

If yes, type of valve: N/A

Site hole(s) provided: Yes _____ N/A ☒

House retrofitted with low-flow devices: Yes _____ N/A ☒

Water load test to field performed: Yes _____ N/A ☒

If yes, Installer name and #: N/A

Comments: Field walkover only

App 4 1978



Alteration – No alteration or addition to the dwelling/facility may be made without first contacting LCRA for evaluation of potential increased wastewater loading.

Sale/Transfer of Property - this reinspection approval is valid for a period of six months from this date, or until a Form 1100 is submitted by a new owner, whichever is first. A new owner must submit a Form 1100 and an O&M Contract if checked above in order to receive LCRA approval for continued use of the sewage disposal facility. It is recommended a Form 1100 be completed at the time of sale closing, and submitted to LCRA as soon as possible. This document also serves as approval for continued use of the facility by the listed owner. Acceptance of this approval constitutes an agreement to abide by the terms and conditions specified in the most current version of the LCRA and TCEQ regulations for OSSFs.

Please note any of the following additional conditions:

- ☐ Lack of regular use of this facility does not permit an evaluation of the facility as it would, had the facility been in use full time.
- ☐ Aerobic treatment systems must have operation and maintenance inspections by either a licensed maintenance provider or the property owner. If performed by a maintenance provider, a copy of the O & M contract must be submitted to LCRA prior to approval for system use. If by the owner, the owner must comply with the provisions of LCRA's rules, Section 10.12.
- ☐ The structure(s) on this property were required to have low-flow toilets, showerheads and faucet aerators. Should any of these devices require replacement, the new items must meet the current requirements specified in LCRA's OSSF Rules.
- ☐ One or more components of the OSSF serving the residence was installed on a separate lot. The lots shall not be sold separately.

Bradley J. Mull

DR# 050037349

WATERFRONT LOT: <u>1</u>	OFF WATER LOT: _____
Boat Dock or Pump House: Y/N	
Pump Visible: Y/N	
Pipe Visible: Y/N	
Watering: Y/N	

5/22/2018



19781

5/22/2018 9:59:42 AM

25625 Pedernales Point Dr
Spicewood, TX. 78669

Applicant:

Paid By:

Permit Type

Permit Type	Type Amount Paid	Type Amount Due
OSSF - Facility Reinspection - Single Family Dwelling	\$150.00	\$0.00
Total	\$150.00	\$0.00

Payments

Payment ID	Payment Date	Payment Type	Description	Ref. Number	Amount
2290886	05/22/2018	Check	SECOND ROAD GROUP, LLC	020117	\$150.00
				Total	\$150.00

THIS IS NOT A PERMIT. This receipt does not authorize you to begin construction of your project

ACE SEPTIC SERVICES

Septic Repair, Installation & Service
2007 CR 211 • Bertram, TX 78605

512-775-7387

Email: aceex01@gmail.com

1970

INVOICE

JOB PHONE	DATE OF ORDER
JOB NAME/LOCATION 25625 Peden/Wales PT. Spicewood, tx	

TO

Mark Williams / Second Road Group LLC

304

1557 W Sam Houston Pkwy N STE 130

PHONE 989 0007

Houston TX 77043-3453

TECH Crew

TERMS

PO #

CK #

020092

CHARGE

NEW ☒

REPEAT

DESCRIPTION	AMOUNT
① Installed Liberty 1/2 hp Sump Pump	1045.00
② Installed Port Riser w/ Domed Tuff Tite Lid + Safety Lid.	265.00
③ Installed Control Panel Box (Pump + Alarm)	465.00
④ Ran Electric Line From Pole to Pump Tank	475.00
⑤ Removed Debris Build-up From Pump Tank	750.00
⑥ Water Load Test Field	N/C
Total For Above will be \$3000.00.	3000.00
Payment As Follows; 1/2 Amt Down \$1500.00	1500.00
Remainder Due Upon Completion of work. #020093	1500.00
MOD 283 Liberty	
Ser: 10K44Q	
1/2 hp	
Remainder CK# 020092	1500.00
\$35 RETURN CHECK CHARGE	
TOTAL	
TAX	
PAY THIS AMOUNT →	3000.00

Thank you

SIGNATURE: I hereby acknowledge and accept satisfactory work as described above.
Any fees associated with collections and/or lawyer fees will be added on.

Liberty Pumps®

Installation Manual

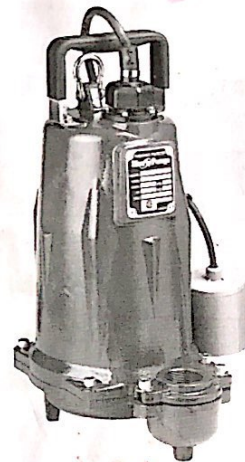
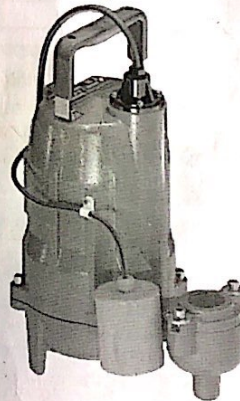
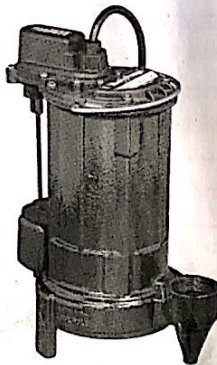
7035000N

Heavy Duty Submersible Effluent/Dewatering Pumps

*Do not throw away or lose this manual.

Models

250-Series	1/3 HP
280-Series	1/2 HP
290-Series	3/4 HP
FL30-Series	1/3 HP
FL50-Series	1/2 HP
FLH60-Series	6/10 HP
FL60-Series	6/10 HP
FL70-Series	3/4 HP
FL100-Series	1 HP
FL150-Series	1-1/2 HP
FL200-Series	2 HP



Contents

- Safety Information
- General Information
- Dewatering/Sump Applications
- Effluent Applications
- Electrical Service and Operation
- Maintenance and Troubleshooting
- Warranty

Liberty Pumps

7000 Apple Tree Avenue
Bergen, NY 14416
Phone: (800) 543-2550
Fax: (585) 494-1839
www.libertypumps.com



Installer: Please leave this manual with the owner/operator for future reference.

Prior to installation, record Model, Serial Number, and Code Number from pump nameplate for future reference.

MODEL: 283A4Q

SERIAL: 10K

INSTALLATION DATE: 3-23-18