

KERR COUNTY ENVIRONMENTAL HEALTH DEPARTMENT  
101 SPUR 100  
KERRVILLE, TEXAS 78028-9505  
896-5101

**LICENSE TO OPERATE AN ON-SITE SEWAGE FACILITY**

LICENSE NO.: 93-226 DATE: Sept. 13, 1993  
LICENSEE: Olive Davis  
#3 Penny Lane San Antonio, Texas 78209  
PROPERTY: Brazil Survey #1872 R20338 A1057  
Sleepy Hollow Estate, Hunt, Texas 78024  
TYPE OF  
FACILITY: Low Pressure Pipe  
CONDITIONS: \_\_\_\_\_

This license issued under the authority of the Rules and Regulations of Kerr County, Texas for On-Site Sewage Facilities (Rules) shall be for an indefinite period, so long as the facility remains in compliance with the Construction Standards for On-Site Sewerage Facilities (Standards) and these Rules. A license shall be transferred to a succeeding owner upon the request of either party to the sale so long as the transfer is in compliance with the Rules regarding transfer, as set out in Chapter 8.

This license shall automatically terminate if not properly amended, transferred, or authorized if:

- (1) there is a subdivision of the property served by the on-site sewage facility;
- (2) there is a sale of the property served by the on-site sewage facility;
- (3) the property is used for a purpose other than that described in the original application;
- (4) the loading of the on-site sewage facility is increased beyond that stated in the application;
- (5) the facility fails; or
- (6) for surface irrigation systems, failure to maintain a current and effective maintenance agreement as required by § 5.04 and § 8.10 of these Rules.

On Sept. 9, 1993 the final physical inspection of this facility was made  
by David Litke, a(n) registered sanitarian. Based upon that limited

inspection, the information provided by the Applicant, the records of the Kerr County Environmental Health Department, and the applicable Rules and Standards, the Licensing Authority finds that the facility is in substantial compliance with the minimum requirements of the Standards and Rules.

It will be the responsibility of the Licensee to maintain and operate the facility in a satisfactory manner. The proper performance of a on-site sewage facility cannot be guaranteed, even though all provisions of the State and County Rules and Standards have been met. Inspection and licensing of a on-site sewage facility by the licensing authority shall indicate only that the facility meets minimum requirements and does not relieve the Owner of the property from complying with the County, State, and Federal Regulations. On-site sewage facilities, although approved as meeting minimum standards, must be up-graded by the Owner at the Owner's expense, if the Owner's operation of the facility results in objectionable odors, if unsanitary conditions are created, if pollution or nuisance conditions are threatened or occur, or if the facility when used does not comply with governmental regulations.

  
\_\_\_\_\_  
Director

AS BUILT

GENERAL PROVISIONS

AND DESIGN

ON-SITE WASTE DISPOSAL FACILITY

FOR

OLIVE DAVIS  
SLEEPY HOLLOW ESTATE  
HUNT, TEXAS 78024

AUGUST 8, 1993

VLASEK PUMP COMPANY

P.O. BOX 326

HUNT, TEXAS 78024

TEL: (210) 238-4877 FAX: (210) 238-4533

JOB NO. 080893

PREPARED BY ME OR W. E. VLASEK UNDER MY SUPERVISION, A.B. WILSON, JR.  
REGISTERED PROFESSIONAL ENGINEER NO. 26229

A.B. WILSON, JR.

CONTACT PERSON: W.E. VLASEK (210) 238-4877

## GENERAL PROVISIONS

The owner of this tract is Olive Davis, #3 Penny Lane, San Antonio, Texas 78029. Phone number is (210) 284-8778.

The property is a 6.50 acre tract of land. Brazil Survey # 1872, R20338, A1057.

The proposed septic system is to replace a failing septic system. The existing residence is 3 bedroom, two story house, with approximately 3,000 square feet of living area.

The existing soil is of the soil group "E", and is gravelly sandy loam. This will require an alternative septic system. We recommend the installation of a Low Pressure Pipe System as the on-site waste disposal facility to serve the residence. This will include the use of one, 1000 gallon two compartment tank and one 550 gallon pumping tank, and approximately 1560 square feet of Low Pressure Pipe as the waste water field. The field will consist of 12" trenches cut into the existing soil, the backfilled with a sandy loam.

A suitable area for the waste water field is located east of the residence approximately 150 feet. The private well of the residence is located approximately 350' west of the septic tanks. There is a sharp drop-off of the land 100' south of the waste water field, and an additional 100' to the river from that drop-off point.

All existing tanks are unsuitable for use and will be filled-in.

Specifications for : OLIVE DAVIS, SLEEPY HOLLOW

System: Low Pressure Pipe

Estimated Daily Flow: 450 gallons per day

Top soil texture: Gravelly Sandy Loamy

Basal area soil class: E

Daily soil loading rate: 0.40 gal./sq. ft./per day

3 Bedroom house 3000 sq. ft.  
Absorption area needed 1125 sq. ft.  
Total Absorption area: 1560 sq. ft.  
Septic tank size: 1000 gal. 2 compartments  
Pumping tank size: 550 gal.  
Length and diameter pump tank to manifold 30 ft. with 2" diameter  
Length and Diameter of Manifold: 30 ft. of 2" Pipe PVCS160  
Manifold: SIDE/CENTER

Lateral number, length, hole spacing and number of holes:

Lateral No.	Length	Elev. diff.	Pressure head	Flow rate per hole	Spacing	Number of holes	Flow rate per line
1.	52	0	3	0.5	6	8	4
2.	52	0	3	0.5	6	8	4
3.	52	0	3	0.5	6	8	4
4.	52	0	3	0.5	6	8	4
5.	52	0	3	0.5	6	8	4
6.	52	0	3	0.5	6	8	4

Linear feet & diameter of laterals: 312' of 1.25" PVCS 160

Spacing: 6' max depth 12"

Number of holes: 48 Laterals' hole size: 5/32 inch

Holes begin 2' from manifold Hole spacing: 6 feet

Total flow through system: 24 gals. per min. siphon break 2 gpm

Elevation head to end of manifold: 3.5'

Friction head: 0.33' HF

Pressure head: 3.0 HF

Total head: 6.83

Pump requirements: 24 gal. per min. at 6.83 ft. of head

Storage Volume in pipes

Tank to manifold: 5.82 gals.

Supply manifold: 5.82 gals.

Lateral net work: 28.08 gals.

Total storage: 39.72 gals.

Dosing Volume: minimum 200 gals.

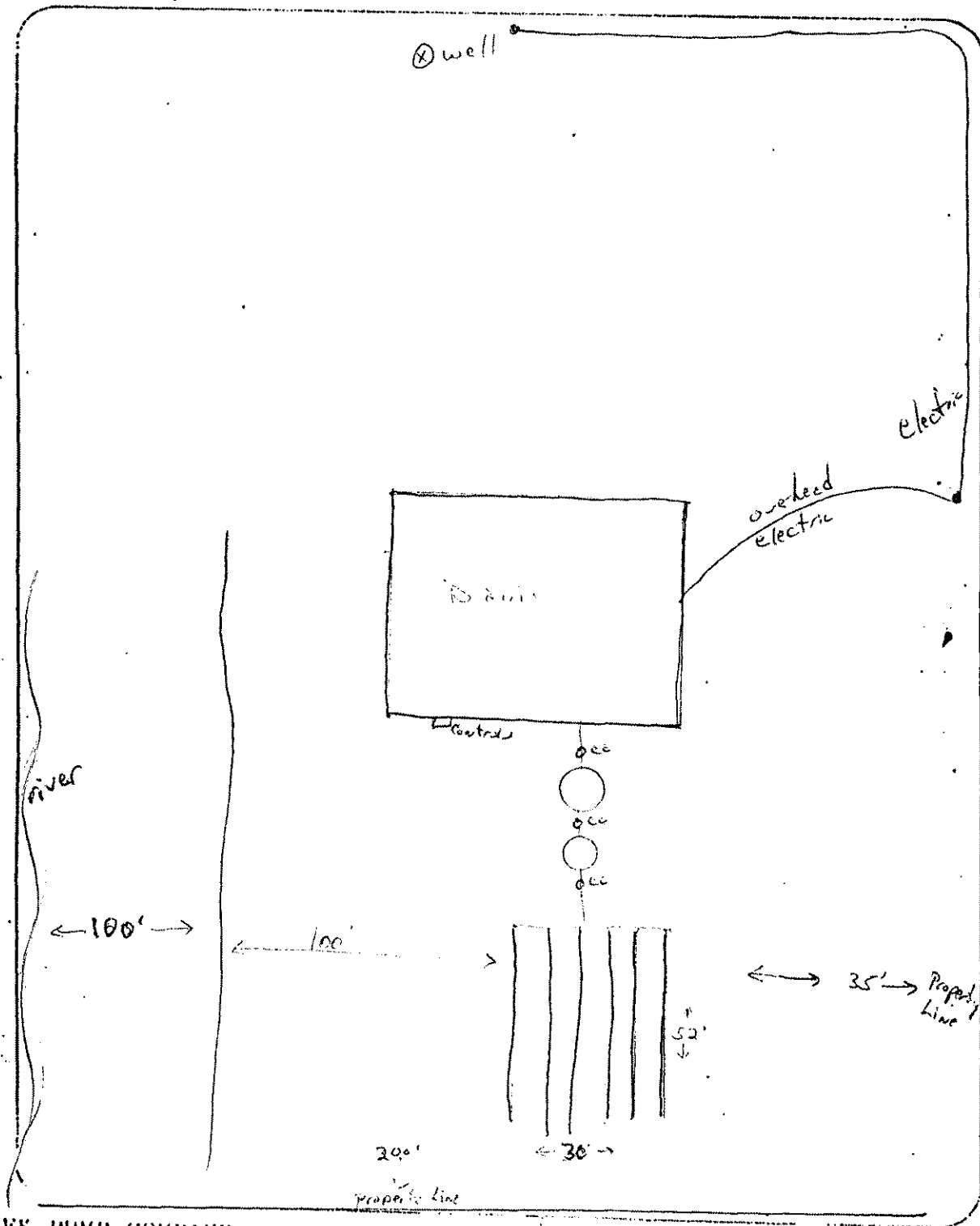
Depth of water pumped per dose: 13.50 inch

Choker Valve: Yes/~~No~~

Check Valve: ~~Yes~~/No

Siphon Valve: ~~Yes~~/No

CONSTRUCTION SHALL BE BUILT ACCORDING TO  
 "DESIGN AND INSTALLATION OF LOW PRESSURE  
 PIPE WASTE TREATMENT SYSTEMS"  
 BY CRAIG COGGER, ET AL.



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