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UPPER GUADALUPE RIVER AUTHORITY

Guadalupe Basin Natural Resources Center

Hydraulic & Environmental Resources

125 Lehmann, Suite 100, Kerrville, Texas 78028-5908

896-5445

LICENSE: #098-344 July 22, 1999

LICENSEE: Mickey L. and Barbara Jean Wireman, P. O. Box 435, Hunt, Texas 78024-0435

PROPERTY: R24640, Cave Springs 4, Lot 401, Acres 6.68, 401 Ranch Rim Drive, Hunt, Texas

TYPE OF FACILITY: Standard Treatment, Non-Standard Disposal
(Low Pressure Dosing System)

New	X Transfer of License	Previously Unlicensed Facility
Alteration, Extension, or Repair	X Residential	Institutional

SPECIAL CONDITIONS: Water Conservation Recommended. System designed for a five-bedroom house, approximately 5,000-sq. ft. of living area. Daily Flow = 360 GPD.

On February 25, 1999, inspector Mark R. Bowers made the final physical inspection of this facility. Based upon that limited inspection, the information provided by the applicant, the records of the UGRA 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, but that at the time of the inspection(s) of the facility, there was no evidence that the facility was causing or threatening to cause injury to the public health or nuisance conditions and was generally functioning in a satisfactory manner.

Any license, permit, or other authorization issued under these Rules 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 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 S5.04 and S6.10 of these Rules.

It will be the responsibility of the Licensee to maintain and operate the facility in a satisfactory manner. The proper performance of an on-site facility cannot be guaranteed, even though all provisions of State Standards, and County Rules and Standards have been met. Inspection and licensing of an on-site sewage facility by the Licensing Authority shall indicate 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 and meeting minimum standards, must be up-graded or connected to a sewer line by the Licensee at the Licensee's expense, if the Licensee'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 government regulations.

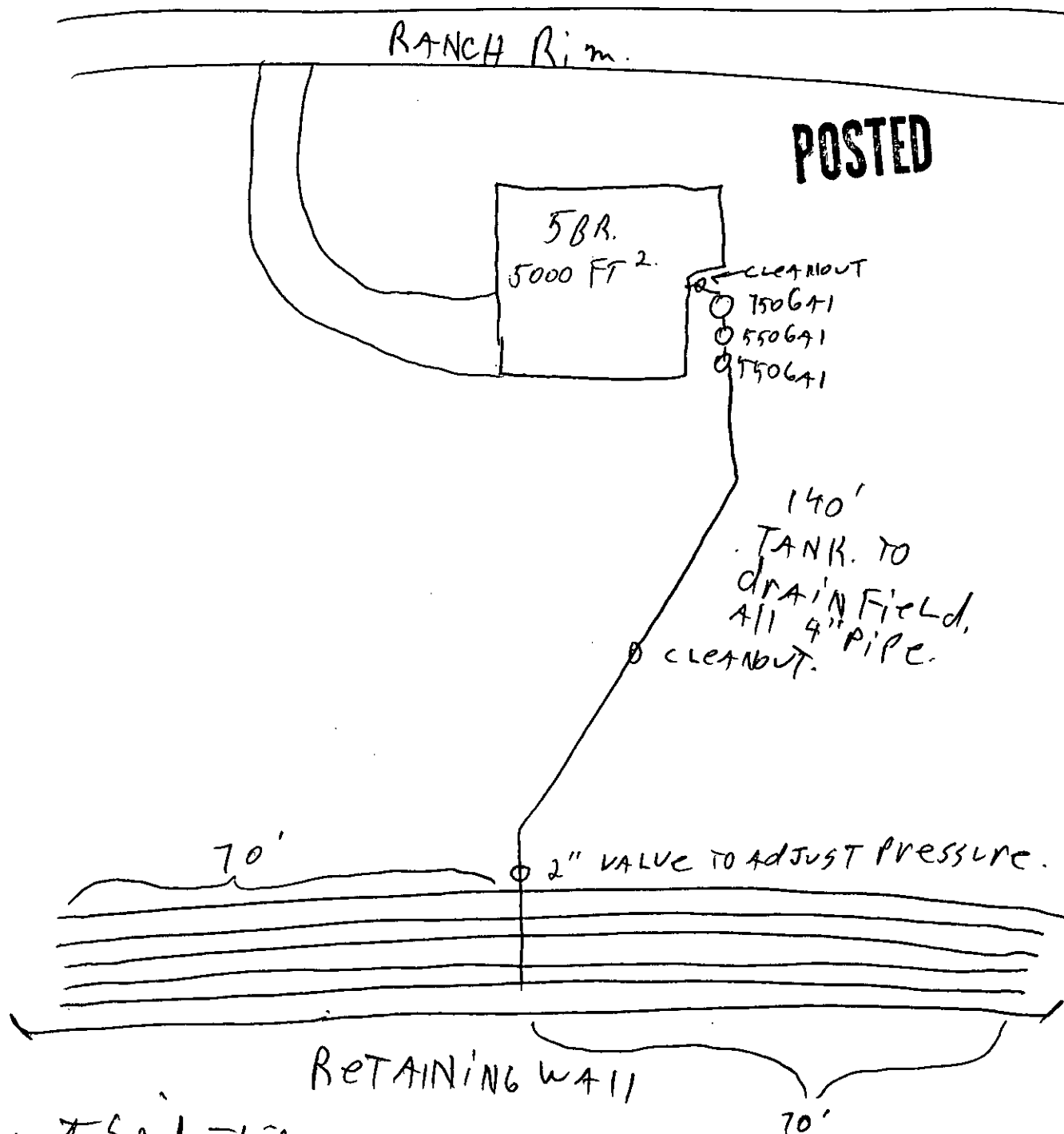
THIS LICENSE IS BASED UPON A LIMITED INSPECTION AND IS NOT A GUARANTEE OR WARRANTY THAT THE FACILITY WILL, IN FACT, OPERATE OR FUNCTION PROPERLY FOR ANY PARTICULAR LENGTH OF TIME. LATENT DEFECTS MAY EXIST WHICH WOULD RENDER THE SYSTEM IN VIOLATION OF THE RULES AND/OR STANDARDS. FOR A MORE DETAILED EVALUATION, YOU ARE ENCOURAGED TO CONTACT AN EXPERIENCED REGISTERED PROFESSIONAL ENGINEER, REGISTERED PROFESSIONAL SANITARIAN, OR OTHER PERSON CERTIFIED BY THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION.


Mark R. Bowers
Designated Representative

Mr. wireman.

Permit # 98-344.

N →



Bunt Seidman

5-12-99

OS 3932

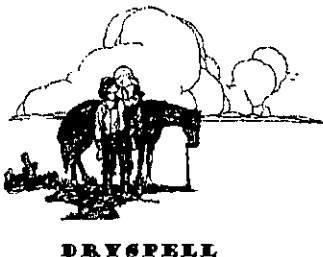
☐	Permit Approved
☒	License Approved
☒	UGRA Environmental Health Services

Boltwell

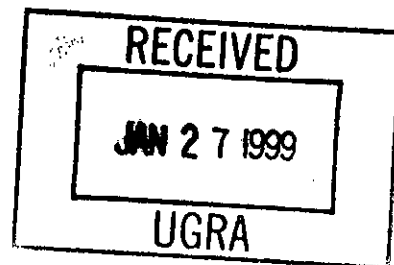
RS 1971
OS 7232

5-25-99

RECEIVED
JUL 22 1999
UGRA Headquarters



Robert D. Hall, R.S. 1971
36 Blaschke Rd.
Comfort, TX 78013
(830-995-2781 fax: 830-995-4080)



OSSF DESIGN & INSPECTION

Application #: 098-344

Date: October 19, 1998

Owner & Address

Agent & Address (if applicable)

~~Mr. Weirman~~

Mickey L. Wireman

~~401 Canyon Springs~~

Ranch Rim

Hunt, TX

Property Description

Location: Canyon Springs Subdivision

Plat Provided: ☐ Yes ☒ No

Water System: ☒ Public ☐ Private

Acreage (approximate): _____

Drainfield Slope (approximate): <3* %

Does drainfield slope comply with TWC §285.30(g)? ☒ Yes ☐ No *After Construction

FULL DESIGN ATTACHED

Soil Application Rate: 0.2 g/ft²/d TNRCC Soil Class: 3 (Table I*)

Wasteload: 420 gpd Based on: 5 br w/water saving devices (5,000 ft²) (Table II*)

Treatment type: ☒ standard

☐ non-standard

☐ proprietary

Disposal type: ☐ standard

☒ non-standard

☐ proprietary

Septic Tank(s): 1,250 g - dual compartment

_____ g - _____ compartment

Dosing Tank: 500 g - ☐ pump ☒ siphon

Drainfield:

Soil absorption area required: 2,100 ft²; Trench Width: 1 ft (Table VIII*)

TNRCC Trench Width Credit: 3 ft

Total Trench Length: 700 ft

Designed by: [Signature]

R.S. 1971; OS7232

Date: 10/19/98

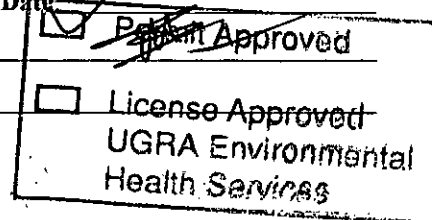
Installed & As Builts by: _____

Date: _____

Inspected by: _____

Date: _____

Notes: Read and review all attachments.



Designed by:
Robert D. Hall, R.S. 1971
36 Blaschke Rd.
Comfort, TX 78013 (Phone 830-995-2781)

DESIGN CRITERIA FOR THE CONSTRUCTION OF A LICENSED SEPTIC SYSTEM

10/19/98
9:51 PM
Wierman - Kerr - Mound -LPD

Predicted Quantity of Sewage (Q)

Water Saving Devices, g/day: 420
Greywater Included?: yes

Rate of Adsorption (Ra)

Application Rate (g/sq ft.): 0.2
Minimum Adsorptive Area (MAA): 2100

Supply Line & Manifolds

Total Length of Supply Line (ft.): 100
Size (in.) Supply Line (SDR 35 or better): 4.0
Total Length of Manifold (ft.): 20
Size (in.) Manifold, PVC: 2.0
Min. Rated PSI: 160
Location of Manifold: center

Laterals

Size (in.), PVC: 1.00
Number of Laterals: 5
Total Trench Length (ft.): 700
{5 - 140' laterals fed in the center = 10 - 70' laterals.}

Dispersion Holes

Hole diameter: 5/32
Flow per hole: 0.41
Holes per 100' lateral (spaced 5 ft. apart): 20
Total Lateral Flow (gpm): 41.0

Treatment (2 Chamber Tank)

of Tanks: 1
Primary Chamber Volume (g): 625
Secondary Chamber Volume (g): 625
Total Septic Tank Volume (g): 1,250

Siphon Tank

Tank Volume (g): 500
g/in.: 13
Siphon discharge (in.): 13
Volume delivered (g): 169
Designed Delivery Volume (g): 272
Deliveries per Day: 2.5
Reserve Volume (g): 228

Siphon Head

Adjusted Pressure Head (ft.): 2
Positive Elevation Head (est. ft.): 10
Friction Head (ft.): 3

Trenches

Minimum depth (in.): 12
Maximum depth (in.): 18
Minimum width (in.): 12
Minimum gravel depth under the lateral (in.): 6

{Note: Trench floors must be level and have proper dirt dams.}

NOTES

Design dosing vol.(gal/dose) =	272	Formula is for 4" supply & 2" manifold and 1" laterals.
Siphon is set to deliver (gal/dose):	169	2.4852 times a day