

1/24/2022
12:42 PM
Standard System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA JON HAUPT AARON KNIFF

Property Information:

St. Address: 503 Ruger Road
City: Fredericksburg State: Texas
Zip code: 78624

Predicted Quantity of Sewage (Q)

Water Saving Devices in house. (y/n): yes
Gallons/day (Q): 300
Greywater included (yes/no): yes

Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.2
Minimum Adsorptive Area in (sq. ft.): 1500
25% reduction Min Abs area (sq. ft.): 1125

Supply Line from house

Total length of supply line (approx. ft): 46
Type of supply line: min Sch 40
Size of Supply line (in): 3 or 4

Septic Tank Capacity

Block Creek Concrete Products tank
(830) 995-3189 or equivalent: 1
Total tank volume (gallons): 1000
1st compartment size (gallons): 700
2nd compartment size (gallons): 300

House Information

number of bedrooms: 4
approx. square ft. 2500
Water Supply: well
gallons per day 300

Supply Line From Tank & Lateral Lines

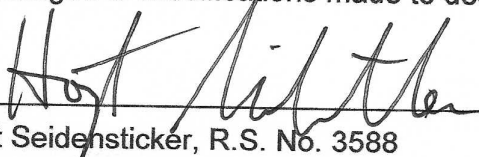
Length of supply line (approx. ft): 33
Type of supply line: min of SDR 35
Size of supply line (in): 3 or 4
Total length of manifold (ft): 16
Manifold placement: end
Number of laterals: 3
Type of laterals: leaching chambers
Number of panels: 57
Tot length of laterals required (ft): 225
Tot length of laterals installed (ft): 228

Trench Information

Trench depth (in): 18
Single trench length (ft): 76
Trench width (ft): 3
Gravel depth under
lateral (minimum in): N/A
Minimum total gravel depth (in): N/A

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions.

All changes or modifications made to design must be approved by the below signed designer.


Hoyt Seidensticker, R.S. No. 3588

1-24-22
Date



Land Stewardship Services, 124 Bristow Way, Boerne, Texas 78006

Cell (210) 414-6603, hoyt@landstewardshipservices.com

Effective Immediately: If any change(s) are made that require a revision to this design, a \$150.00 fee will be assessed. This includes, but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.

Scale 1'=50'



Site Map

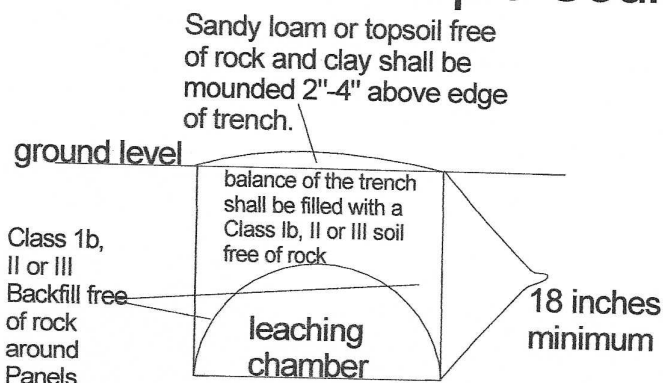
Standard Disposal w/ Septic Tank Treatment
Jon Haupt & Aaron Kniff

Lot: 2

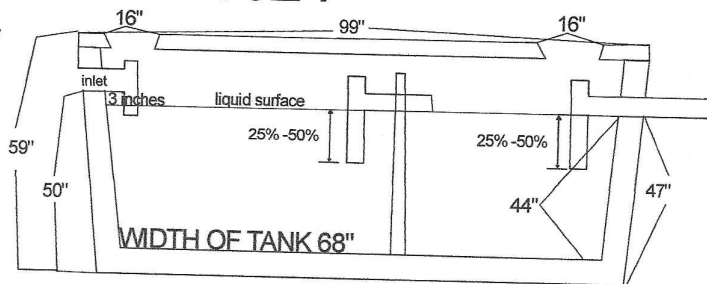
503 Ruger Road

Fredericksburg, Texas 78624

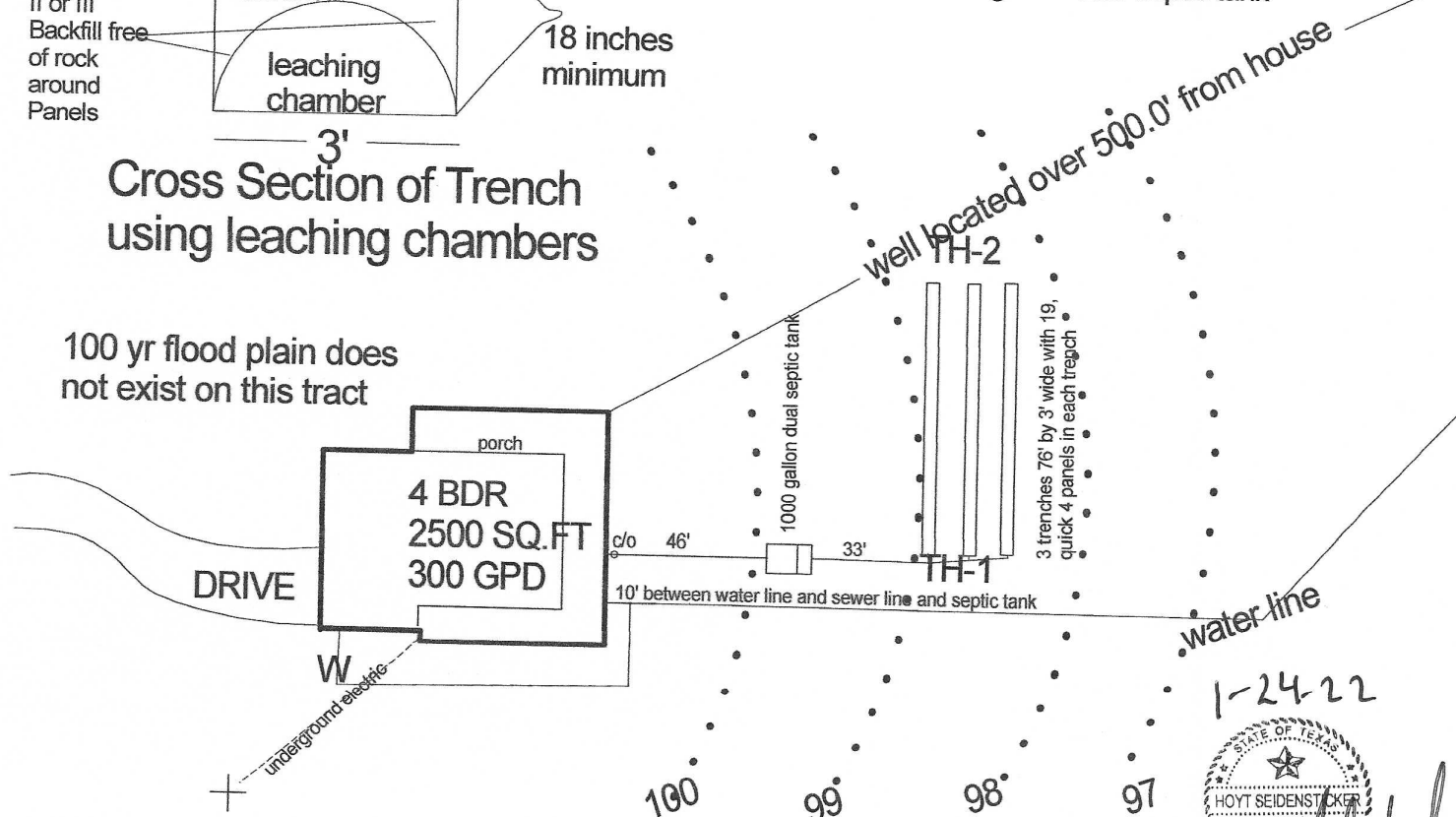
Gillespie County



Cross Section of Trench using leaching chambers



1000 gallon dual septic tank



The pipe from the final treatment tank must maintain a continuous fall to a gravity disposal system

Septic tanks buried more than 12 inches below the ground shall have risers over the port openings. The risers shall extend from the tank surface to no more than six inches below the ground. A secondary plug, cap or other suitable restraint system shall be proved below the riser cap to prevent tank entry if the cap is unknowingly damages or removed.

Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director.



ON-SITE SEWAGE FACILITY
Site Evaluation Report Information

Date: 9/4/2021

Applicant Information:

Name: Jon Haupt & Aaron Kniff

Address: 3208 Scenic Overlook Trail

City: Austin State: Texas Zip: 78734

Phone: 512-705-7740

Property Location:

Lot: 2 Block

Sub.:

Street/Road Address: 503 Ruger Road

City: Fredericksburg State: Texas Zip: 78624

Unincorporated Area? Y or N y

Additional information

Site Evaluator Information:

Name: Hoyt Seidensticker

License OS0008771 Expires 8/31/2023

Company: Land Stewardship Services, LLC

Address: 124 Bristow Way

City: Boerne State: Texas Zip: 78006

Phone: (210) 414-6603 email

Email hoyt@landstewardshipservices.com

Installer information:

Name: Chris Strackbein

Company: Kneese Plumbing

Address: 739 S. Washington

City: Fredericksburg State: Texas Zip: 78624

Phone: 830-997-5036 Fax:

Schematic of Lot or Tract

Show:

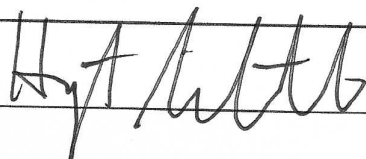
Compass North, adjacent streets, property lines, property lines, property dimensions, location of buildings, easements, water lines, and other surface improvements where known (drainage, patios, sidewalks).
Location of existing or proposed water wells within 150 feet of property.
Indicate slope or show contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.
Location of soil borings or dug pits (show location with respect to a known reference point).
Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers, high tide of salt water bodies) water impoundments areas, cut or fill bank, sharp slopes and breaks.

SITE DRAWING

Lot Size: 23.22 acres

SEE ATTACHED

Signature of Site Evaluator



Site Evaluator License No: OS0008771

ON-SITE SEWAGE FACILITY Soil Evaluation Report Information

Date Soil Survey Performed: 8/30/2021

Site Location: 503 Ruger Road

Name of Site Evaluator: Hoyt Seidensticker Registration Number: OS0008771

Proposed Excavation Depth: 18 inches County: Gillespie

Requirements:

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.

Location of soil boring or dug pits must be shown on the site drawing.

For subsurface disposal, soil evaluation must be performed to a depth of at least two feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Describe each soil horizon and identify any restrictive feature on the form. Indicate depths where features appear.

Soil Boring Number <u>1</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0	III	clay loam	<30%	none	none	BLACK
1						
2 <u>24 in</u>						
3						
4						
5 <u>60 in</u>	III	clay loam	<30%			Cream with calcareous material

Soil Boring Number <u>2</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0	III	clay loam	<30%	none	none	BLACK
1						
2 <u>24 in</u>						
3						
4						
5 <u>60 in</u>	III	clay loam	<30%			Cream with calcareous material

Features of Site Area

Presence of 100 year flood zone Yes ☐ No ☒

Presence of adjacent ponds, streams, water improvements Yes ☐ No ☒

Existing or proposed water well in nearby area Yes ☒ No ☐

Organized sewage service available to lot or tract Yes ☐ No ☒

Recharge feature within 150 feet Yes ☐ No ☒

By my signature, I hereby certify that the information provided in this report is based on my site observations and are accurate to the best of my ability.

I understand that any misrepresentation of the information contained in this report may be grounds to revoke or suspend my license. The site evaluation

determined the site is suitable for a Standard Distribution disposal system with Septic Tank treatment

According to table XIII, the site is suitable for this proposed system. A copy of Table XIII has been given to the property owner to inform them of

other alternatives based upon the result of this site evaluation

Hoyt Seidensticker
Signature of Site Evaluator

1-24-22
Date