



COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 11/19/2019 Permit Number: 109690

Location Description: 2615 KANGAROO CT
NEW BRAUNFELS, TX 78132

Subdivision: Havenwood at Hunters Crossing
Unit: 1
Lot: 117
Block:
Acreage:

Type of System: Aerobic
Surface Irrigation

Issued to: Gary L. & Nannette Rogers

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Commission on Environmental Quality.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Alterations to this permit including, but not limited to:

- Increase in the square feet of living area
- Increase in the number of bedrooms
- A change of use (i.e. residential to commercial)
- Relocation of system components (including the relocation of spray heads)
- Installation of landscaping
- Adding new structures to the system

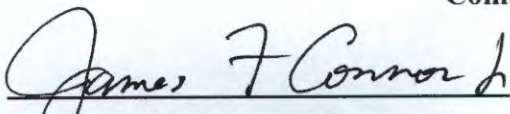
may require a new permit. **It is the responsibility of the owner to apply for a new permit, if applicable.**

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

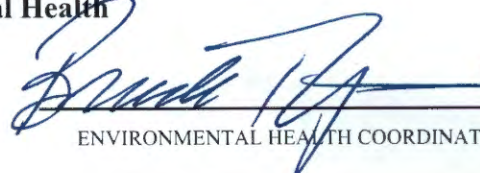
This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority

Comal County Environmental Health


ENVIRONMENTAL HEALTH INSPECTOR

OS0032485


ENVIRONMENTAL HEALTH COORDINATOR

OS0007722

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: W. Baker OSSF Installer #: 050032864
 1st Inspection Date: 11-15-19 2nd Inspection Date: _____ 3rd Inspection Date: 11-19-19 final
 Inspector Name: Conner Inspector Name: _____ Inspector Name: Conner
 Permit#: 109690 Address: Havenwood 2615 Kangaroo

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	✓	285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)		✓		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)	<i>existing ATV</i>	✓		
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)		✓		
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)		✓		
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)		✓		
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(ii) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(i)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

existing tank - spray heads installed per plan - water line sleeved end to end
 11-19-19 - Covered
 JC

**Comal County Environmental Health
OSSF Inspection Sheet**

Final

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	✓	285.33(d)(2)(G)(iii)(I) 285.33(d)(2)(G)(iii)(II) 285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(I) 285.33(d)(2)(G)(II) 285.33(d)(2)(G)(III)(I)		✓		
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed	✓ ✓ ✓	285.33(d)(2)(G)(I) 285.33(d)(2)(A) 285.33(d)(2)(F)		✓ ✓		✓
42	APPLICATION AREA Area Installed	✓		<i>per plan</i>	✓		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: W. Baker OSSF Installer #: 050032864

1st Inspection Date: 11-15-19 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: Comar Inspector Name: _____ Inspector Name: _____

Permit#: 109690 Address: Havenwood 2615 Kangaroo

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	✓	285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)		✓		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)	<i>existing ATV</i>	✓		
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)		✓		
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)		✓		
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)		✓		
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G)285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(I)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

existing tank - spray heads installed per plan - water line sleeved end to end

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed			<i>Existing ATU</i>			
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo-transpirative		285.33(a)(5) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

**Comal County Environmental Health
OSSF Inspection Sheet**

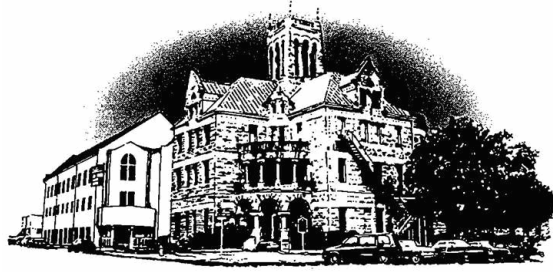
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
19	DISPOSAL SYSTEM Drip Irrigation		285.33(c)(3)(A)-(F)				
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(3) 285.33(a)(1) 285.33(a)(2)				
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)				
23	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)				
24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)				
25	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)				
28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
29	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
30	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)				
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom)</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart</p>		<p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(B)</p> <p>285.91(13)</p> <p>285.33(b)(3)(D)</p> <p>285.33(b)(3)(F)</p>				
33	<p>AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.</p>		285.32(c)(1)				
34	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided</p> <p>AEROBIC TREATMENT UNIT Secondary restraint system provided</p> <p>AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank</p> <p>AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions</p>			<i>expecting ATU</i>			
35	<p>AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.</p>						
36	<p>PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction</p> <p>PUMP TANK Sampling Port Provided in the Treated Effluent Line</p> <p>PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required</p> <p>PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump</p>						
37	<p>PUMP TANK Inspection/Clean Out Port & Risers Provided</p> <p>PUMP TANK Secondary restraint system provided</p> <p>PUMP TANK Riser permanently fastened to lid or cast into tank</p> <p>PUMP TANK Riser cap protected against unauthorized intrusions</p>						
38	<p>PUMP TANK Secondary restraint system provided</p>						
39	<p>PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried</p>						

**Comal County Environmental Health
OSSF Inspection Sheet**

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41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed	✓ ✓	285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)		✓ ✓		
42	APPLICATION AREA Area Installed	✓		<i>per plan</i>	✓		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



Comal County

OFFICE OF COMAL COUNTY ENGINEER

Permit of Authorization to Construct an On-Site Sewage Facility Permit Valid For One Year From Date Issued

Permit Number: 109690
Issued This Date: 09/12/2019
This permit is hereby given to: Gary L. & Nannette Rogers

To start construction of a private, on-site sewage facility located at:

2615 KANGAROO CT
NEW BRAUNFELS, TX 78132

Subdivision: Havenwood at Hunters Crossing
Unit: 1
Lot: 117
Block:
Acreage:

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic
Surface Irrigation

This permit gives permission for the construction of the above referenced on-site facility to commence. Installation must be completed by an installer holding a valid registration card from the Texas Commission on Environmental Quality (TCEQ). Installation and inspection must comply with current TCEQ and Comal County requirements.

Call (830) 608-2090 to schedule inspections.

***** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH *****
APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN
ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date _____

Permit # 109169V

Owner Name Gary L. & Nannette Rogers
 Mailing Address 2615 Kangaroo Court
 City, State, Zip New Braunfels, TX 78132
 Phone # 830.660.6066
 Email nannrogers@gmail.com

Agent Name Douglas R. Dowlearn
 Agent Address 703 Oak Drive
 City, State, Zip Blanco, TX 78606
 Phone # 210.240.2101
 Email txseptic@gmail.com

All correspondence should be sent to: Owner Agent Both Method: Mail Email

Subdivision Name Havenwood at Hunters Crossing Unit One Lot 117 Block _____

Acreage/Legal 1.03 Acres

Street Name/Address 2615 Kangaroo Court City New Braunfels Zip 78132

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) Existing House

Number of Bedrooms 5

Indicate Sq Ft of Living Area 3982

Non-Single Family Residential

(Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)

Type of Facility _____

Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants _____

Restaurants, Lounges, Theaters - Indicate Number of Seats _____

Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds _____

Travel Trailer/RV Parks - Indicate Number of Spaces _____

Miscellaneous _____

Estimated Cost of Construction: \$ Existing (Structure Only)

Is any portion of the proposed OSSF located in the United States Army Corps of Engineers (USACE) flowage easement?

Yes No (if yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water Public Private Well

Are Water Saving Devices Being Utilized Within the Residence? Yes No

By signing this application, I certify that:

- The completed application and all additional information submitted does not contain any false information and does not conceal any material facts.
- Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities..
- I understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

Nann Rogers
 Signature of Owner

8-28-19
 Date

Sign Date

***** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH *****
APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN
ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Planning Materials & Site Evaluation as Required Completed By Douglas R. Dowlearn

System Description Aerobic treatment with spray distribution

Size of Septic System Required Based on Planning Materials & Soil Evaluation

Tank Size(s) (Gallons) Existing 600 gpd Absorption/Application Area (Sq Ft) 5625 Required

Gallons Per Day (As Per TCEQ Table III) 360

(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ.)

Is the property located over the Edwards Recharge Zone? Yes No

(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? Yes No

(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? Yes No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)

Is the property located over the Edwards Contributing Zone? Yes No

Is there an existing TCEQ approval CZP for the property? Yes No

(If yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? Yes No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)

Edwards Aquifer Transition Zone

Is this property within an incorporated city? Yes No

If yes, indicate the city: _____

By signing this application, I certify that:

- The information provided above is true and correct to the best of my knowledge.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

Signature of Designer 

Date 9/6/19

Page 2 of 2

109696

*** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH ***

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

VOID

Planning Materials & Site Evaluation as Required Completed By GREG W. JOHNSON, P.E.

System Description PROPRIETARY; AEROBIC TREATMENT AND DRIP TUBING

Size of Septic System Required Based on Planning Materials & Soil Evaluation

Tank Size(s) (Gallons) NUWATER B-550-PC Absorption/Application Area (Sq Ft) 1500

Gallons Per Day (As Per TCEQ Table III) 180

(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ)

Is the property located over the Edwards Recharge Zone? [] Yes [X] No

(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? [] Yes [X] No

(if yes, the R. S. or P. E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? [] Yes [] No

(If yes, the R.S. or P. E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)

Is the property located over the Edwards Contributing Zone? [X] Yes [] No

Is there an existing TCEQ approval CZP for the property? [] Yes [X] No

(if yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? [] Yes [X] No

(if yes, the P.E. or R.S. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)

Is this property within an incorporated city? [] Yes [X] No

If yes, indicate the city:



FIRM #2585

By signing this application, I certify that:

- The information provided above is true and correct to the best of my knowledge.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable

Signature of Designer (Handwritten Signature)

Date September 9, 2019

Yc (5)



**AFFIDAVIT TO THE PUBLIC
CERTIFICATION OF OSSF REQUIRING MAINTENANCE**

According to Texas Natural Resource Conservation Commission Rules for On-Site Sewage Facilities, this document is filed in the Deed Records of Comal County, Texas.

I.

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Natural Resource Conservation Commission (TNRCC) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), §5.012 and §5.013, gives the TNRCC primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The TNRCC, under the authority of the TWC and Texas Health and Safety Code, requires owner's to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the TNRCC requires a deed recording. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This deed certification is not a representation of warranty by the TNRCC of the suitability of this OSSF, nor does it constitute any guarantee by the TNRCC that the appropriate OSSF was installed.

II.

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code §285.91(12) will be installed on the property described as:

Site Address: 2615 Kanaroe Court, New Braunfels, TX 78132

Legal Description: Lot 117, Havenwood at Hunters Crossing, Unit 4

The property is owned by: Gary L. Rogers and Nannette Rogers

The OSSF must be covered by continuous maintenance contract. All maintenance on this OSSF must be performed by an approved maintenance company, and a signed maintenance contract must be submitted to Comal County within 30 days after the property has been transferred.

The owner will, upon any sale or transfer of the above described property, request a transfer of the permit for the OSSF to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from Comal County.

WITNESS BY HAND(S) ON THIS 19 DAY OF July, 2014.

Gary L. Rogers
Gary L. Rogers, owner

Nannette Rogers
Nannette Rogers, owner

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 19 DAY OF July, 2014.

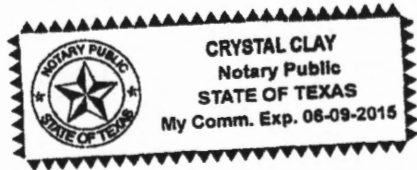
Crystal Clay
Notary Public, State of Texas

Notary's Printed Name: Crystal Clay

My Commission Expires: 6/9/2015

Filed and Recorded
Official Public Records
Joy Streater, County Clerk
Comal County, Texas
08/25/2014 10:09:51 AM
TERRI 1 Page(s)
201406029604

Joy Streater



OSSF SOIL EVALUATION REPORT INFORMATION

REVISED

10:26 am, Oct 11, 2019

Date: 10/10/19

Applicant Information:

Name: Gary L. & Nannette Rogers

Address: 2615 Kangaroo Court

City, State & Zip Code: New Braunfels, TX 78132

Phone: 830.660.6066 (Nannette)

Email: Nannrogers@gmail.com

bakersepticservice@yahoo.com

Site Evaluator Information:

Name: Douglas R. Dowlearn

Company: D.A.D. Services, Inc.

Address: 703 Oak Drive

City, State & Zip: Blanco, TX 78606

Phone: (210)240-2101 Fax: (866)260-7687

Email: txseptic@gmail.com

Property Location:

Lot: 117 Subdivision: Havenwood at Hunters

Crossing, Unit One

Street/Road Address: 2615 Kangaroo Court

City: New Braunfels Zip: 78132

Additional Info: Comal County/1.03 Acres

Installer Information:

Name: William Baker

Company: Baker Septic Services

Address:

City, State & Zip:

Phone: Fax:

Depth	Texture Class	Soil Texture	Structure (For Class III - blocky, platy or massive)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observation
Soil Boring #1 60"	III	0-12" Clay Loam 12"+ Limestone	Blocky	<30% Gravel	12"+ Limestone	None
Soil Boring #2 60"		Same as above				

DESIGN SPECIFICATIONS

Application Rate (RA): 0.064

OSSF is designed for: 5 BR (3982 Sq. Ft.)

360 Gallons per day required

An aerobic treatment/spray disposal system is to be utilized based on the site evaluation.

5625 sq. ft. disposal area required

600 gallon/day aerobic tank required

Calculations: Absorption Area: $Q/RA = 360/0.064 = 5625$ Sq. Ft.

FEATURES OF SITE AREA

Presence of 100-year flood zone: NO

Existing or proposed water well in nearby area: NO

Presence of adjacent ponds, streams, water impoundments: NO

Presence of upper water shed: NO

Organized sewage service available to lot: NO

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability. The site evaluation and OSSF design are subject to approval by the TCEQ or the local authorized agent. The planning materials and the OSSF design should not be considered final until a permit to construct has been issued.

Site Evaluator:

NAME: Douglas R. Dowlearn, R.S.

License No. OS9902 - Exp. 6/30/2020

TDH: #2432 - Exp. 2/28/2021

Signature:



REVISED

10:26 am, Oct 11, 2019

D.A.D SERVICES, INC.
DOUG DOWLEARN
703 OAK DRIVE, BLANCO, TX 78606
Designed for: Gary L. & Nannette Rogers

The installation site is on Lot 117 of the Havenwood at Hunters Crossing, Unit One Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 5 Bedroom (3982 sq. ft.) residence. The proposed method of wastewater treatment is aerobic treatment with spray irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 4" PVC pipe will discharge from the residence to a pre-treatment tank, which flows into a 600 gpd aerobic treatment plant. The aerobic tank effluent flows to a 768 gallon storage/pump tank containing a liquid chlorinator and a single 20 gpm submersible pump. Distribution is through 7 K-Rain Gear Driven pop-up sprinklers, with low angle (13 degrees) spray nozzles spraying at <40 psi. Two sprinklers will spray a radius of 30 feet with 90 degrees of arc; one sprinkler will spray a radius of 30 feet with 180 degrees of arc; one sprinkler will spray a radius of 28 feet with 180 degrees of arc; one sprinkler will spray a radius of 32 feet with 73 degrees of arc; one sprinkler will spray a radius of 32 feet with 46 degrees of arc; and one sprinkler will spray a radius of 25 feet with 169 degrees of arc. An audio and visual alarm monitoring both high water and aerator failure will be placed in a noticeable location.

DESIGN SPECIFICATIONS:

Daily Waste Flow: 360 gpd
Application rate: 0.064
Application area required: $360/.064 = 5625$ ft. sq.
Application area utilized: 5655 sq. ft.
Pump tank reserve capacity: 180 gal minimum



Douglas R. Dowlearn
10/10/19

SYSTEM COMPONENTS:

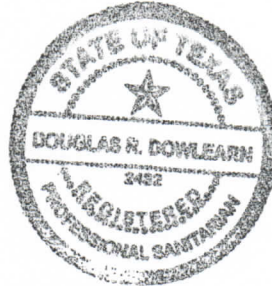
SCH 40 PVC sewer line
1" purple PVC supply line
600 gpd aerobic treatment plant with timed controls with a battery backup set to spray in pre-dawn hours of midnight to 5:00 a.m.
Liquid chlorinator
7 K-Rain Gear Driven Pop-up Sprinkler
Pre-tank and 768 gallon pump tank

REVISED

10:27 am, Oct 11, 2019

LANDSCAPING:

The native vegetation in the distribution area should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the spray must be covered with a ground cover such as grass seed or sod prior to the final inspection. In the event the natural cover is disturbed, a suitable ground cover must be installed on all excavated areas.

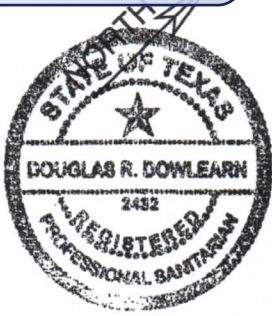


Douglas R. Dowlearn

10/10/19

REVISED

8:11 am, Nov 18, 2019



Douglas R. Dowlearn

11/14/19

NUWATER B 550 PC
AEROBIC TREATMENT
PLANT

2 ZONE K-RAIN VALVE

15'

ZONE 1
R = 30'

TOTAL SPRAY AREA = 5655 SF

15.25'

NOTES:

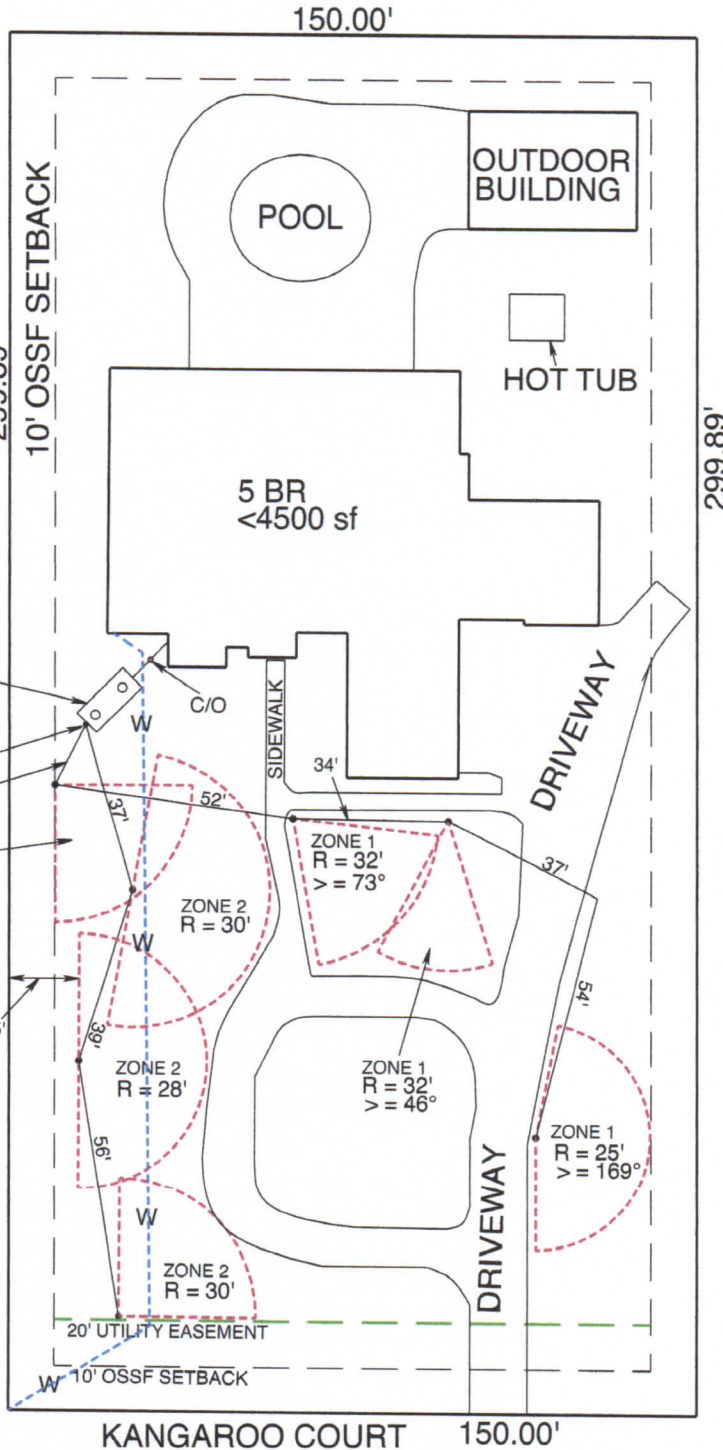
- WATERLINE IS SLEEVED WITH SCH 40 TO PROVIDE EQUIVALENT PROTECTION FOR OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE IT CROSSES DRIVEWAY AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE IT CROSSES SIDEWALKS AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE TO ALL SPRAY HEADS.

- 3" OR 4" SCH 40 PVC PIPE FROM HOUSE TO TANK.

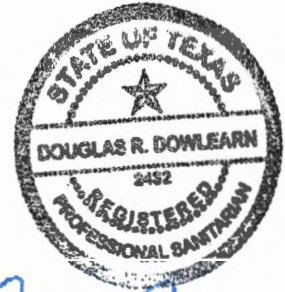


KANGAROO COURT 150.00'

GARY L & NANNETTE ROGERS
2615 KANGAROO COURT
NEW BRAUNFELS, TX 78132
HAVENWOOD AT HUNTERS CROSSING 1, LOT 117
COMAL COUNTY

SCALE 1"=40'

Douglas R. Dowlearn
D.A.D. Services, Inc.
703 Oak Drive
Blanco, TX 78606
(210)240-2101
txseptic@gmail.com



Douglas R. Dowlearn, R.S.
8/27/19

August 30, 2019

Comal County Engineer's Office
195 David Jonas Drive
New Braunfels, TX 78132

RE: 2615 Kangaroo Court – Lot 117, Havenwood at Hunters Crossing, Unit One

To Whom It May Concern:

I am requesting a variance for the placement of a spray disposal area 10 feet from the property line, but *less than 20 feet from the property line as Comal County regulations require.* This variance is requested due to limited space. This setback complies with TCEQ CHAPTER 285 rules Table X. requirements. Equivalent protection will be maintained by including a battery backup to the timer clock to assure sprayers only spray during the predawn hours. In my professional opinion this variance will not pose a threat to the environment or public health.

If there are any questions or concerns, please contact me at 210.240.2101 or by email at txseptic@gmail.com.

Sincerely,

Douglas R. Dowlearn, R.S.

Douglas R. Dowlearn, R.S.

Assembly Details

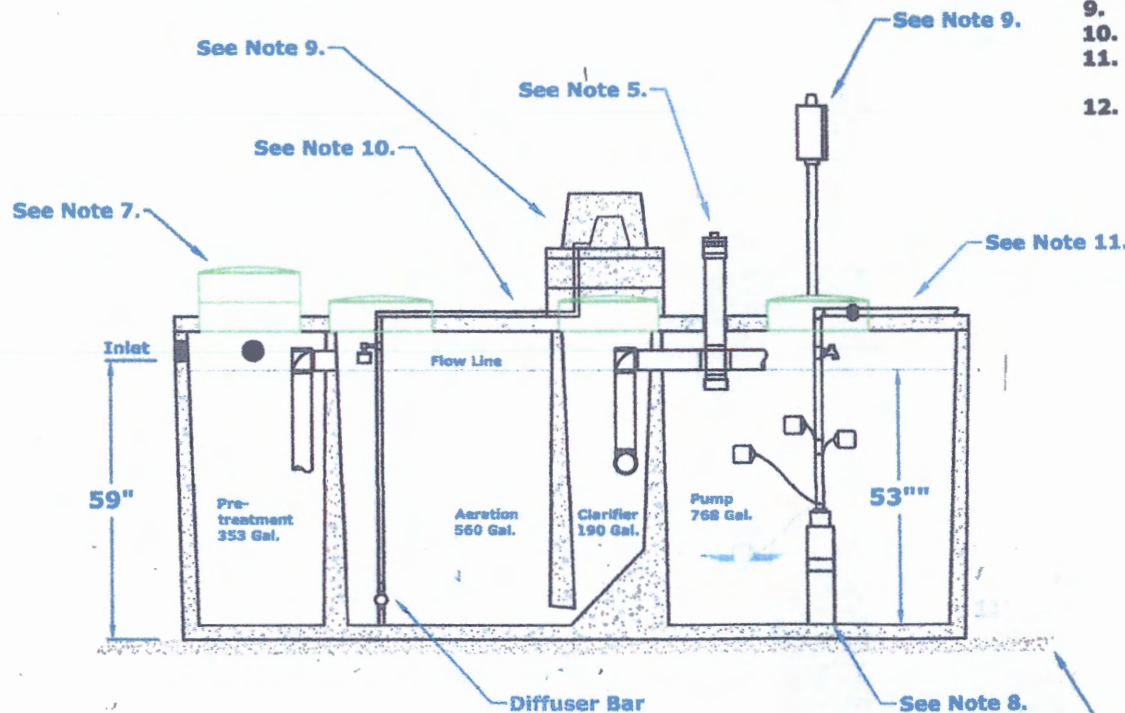
OSSF



Douglas R. Dowlearn, P.E.
9/16/19

GENERAL NOTES:

1. Plant structure material to be precast concrete and steel.
2. Maximum burial depth is 30" from slab top to grade.
3. Weight = 14,900 lbs.
4. Treatment capacity is 600 GPD. Pump compartment set-up for a 360 GPD Flow Rate (4 bedroom, < 4,000 sq/ft living area). Please specify for additional set-up requirements. BOD Loading = 1.62 lbs. per day.
5. Standard tablet chlorinator or Optional Liquid chlorinator. NSF approved chlorinators (tablet & liquid) available.
6. Bio-Robix B-550 Control Center w/ Timer for night spray application. Optional Micro Dose (min/sec) timer available for drip applications. Electrical Requirement to be 115 Volts, 60 Hz, Single Phase, 30 AMP, Grounded Receptacle.
7. 20" Ø access riser w/ lid (Typical 4). Optional extension risers available.
8. 20 GPM 1/2 HP, high head effluent pump.
9. HIBLOW Air Compressor w/ concrete housing.
10. 1/2" Sch. 40 PVC Air Line (Max. 50 Lft from Plant).
11. 1" Sch. 40 PVC pipe to distribution system provided by contractor.
12. 4" min. compacted sand or gravel pad by Contractor



DIMENSIONS:

Outside Height: 67"
Outside Width: 63"
Outside Length: 164"

MINIMUM EXCAVATION DIMENSIONS:

Width: 76"
Length: 176"

40-53" - Reserve = 189 Gallons
15-40" - Working Level = 363 Gallons
12-15" - On/Off Tether = 43 Gallons
0-12" - Sump = 173 Gallons
14.5 Gallons per inch

**NuWater B-550 (600 GPD)
Aerobic Treatment Plant (Assembled)**

Model: B-550-PC-400PT

March, 2012 - Rev 1
By: A.S.

Scale:
* All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-B550-3

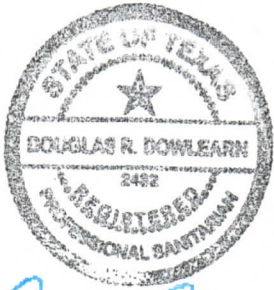
Advantage
Wastewater Solutions LLC

Advantage Wastewater Solutions LLC
444 A Old Hwy No 9
Comfort, TX 78013
830-995-3189
fax 830-995-4051

VOID

REVISED

10:26 am, Oct 11, 2019



Douglas R. Dowlearn
10/10/19

NUWATER B 550 PC
AEROBIC TREATMENT
PLANT

2 ZONE K-RAIN VALVE

ZONE 1
R = 30'

TOTAL SPRAY AREA = 5655 SF

NOTES:

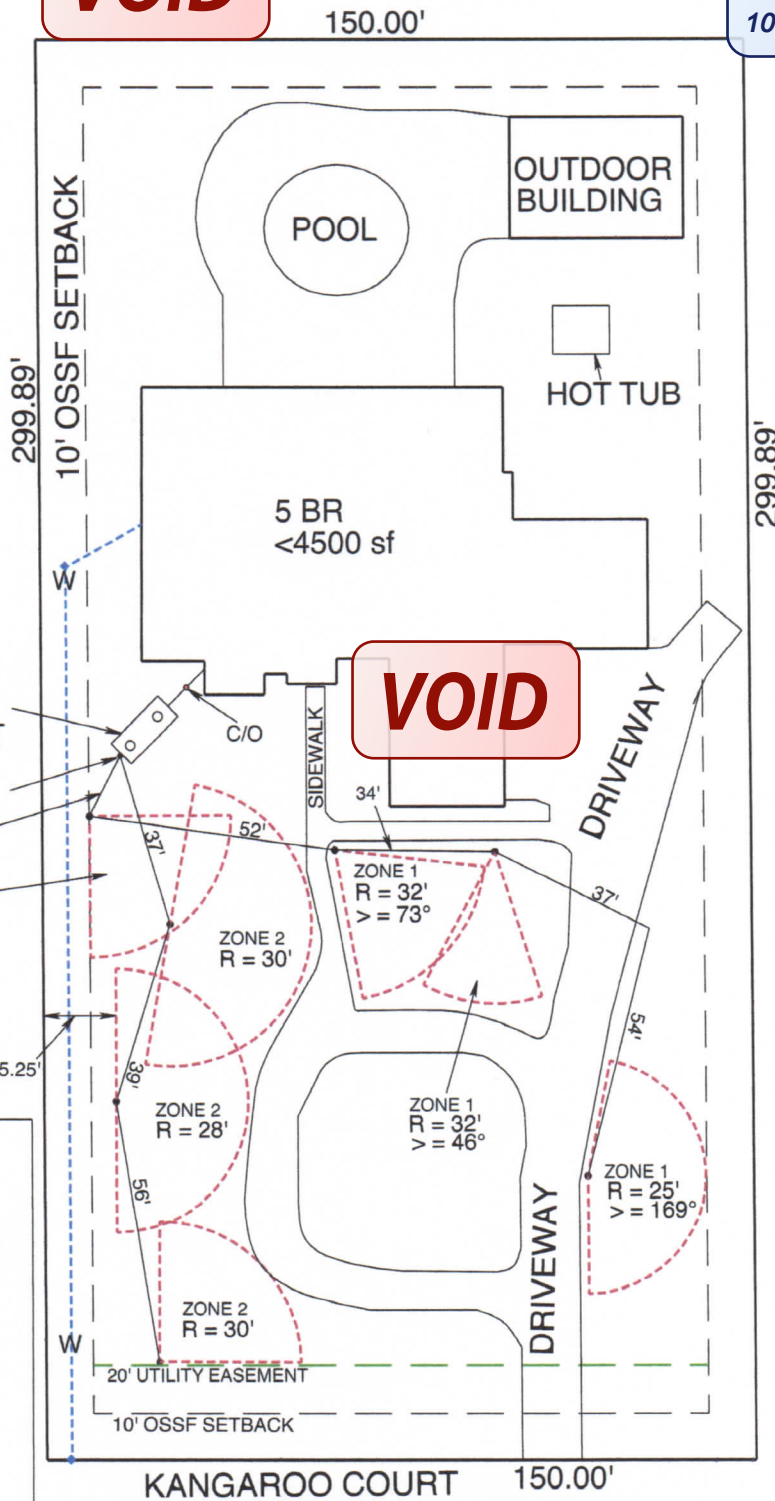
- VERIFY WATER LINE LOCATION. WHEN ENTERING CLOSER THAN 10' FROM SEPTIC AREA OR SPRAY AREA SLEEVE LINE WITH 2" SCH 40 PVC PIPE. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE IT CROSSES DRIVEWAY AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE IT CROSSES SIDEWALKS AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE TO ALL SPRAY HEADS.

- 3" OR 4" SCH 40 PVC PIPE FROM HOUSE TO TANK.



299.89'

SLOPE 3%

KANGAROO COURT 150.00'

GARY L & NANNETTE ROGERS
2615 KANGAROO COURT
NEW BRAUNFELS, TX 78132
HAVENWOOD AT HUNTERS CROSSING 1, LOT 117
COMAL COUNTY

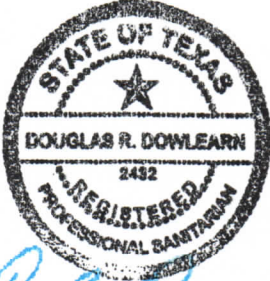
VOID

SCALE 1"=40'

REVISED

12:40 pm, Nov 14, 2019

VOID



Douglas R. Dowlearn
11/14/19

NUWATER B 550 PC
AEROBIC TREATMENT
PLANT

2 ZONE K-RAIN VALVE

15'

ZONE 1
R = 30'

TOTAL SPRAY AREA = 5655 SF

15.25'

NOTES:

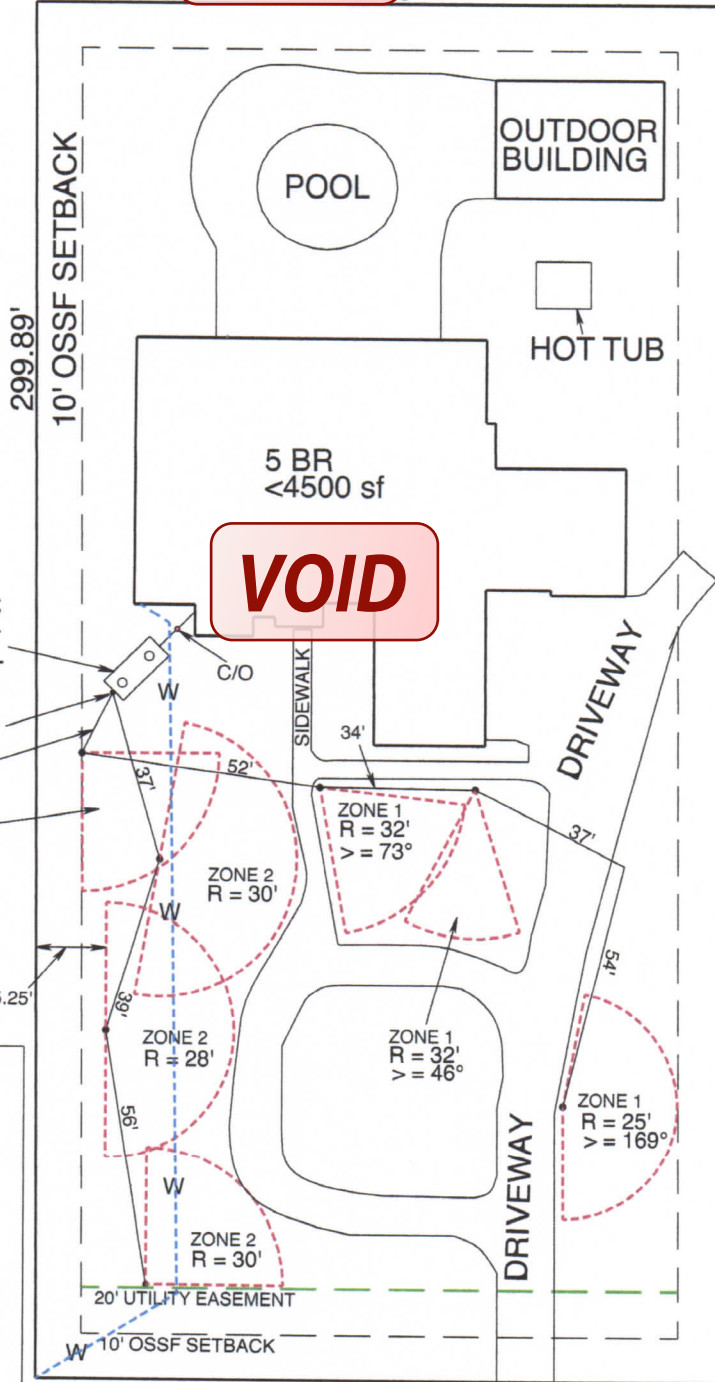
- WATER LINE SLEEVED BY A PLUMBER ON 11.13.19 TO PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE IT CROSSES DRIVEWAY AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE IT CROSSES SIDEWALKS AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE OSSF SETBACK REQUIREMENTS OF TAC 285.

- 1" SCH 40 PURPLE PIPE TO ALL SPRAY HEADS.

- 3" OR 4" SCH 40 PVC PIPE FROM HOUSE TO TANK.



KANGAROO COURT 150.00'

GARY L & NANNETTE ROGERS
2615 KANGAROO COURT
NEW BRAUNFELS, TX 78132
HAVENWOOD AT HUNTERS CROSSING 1, LOT 117
COMAL COUNTY

SCALE 1"=40'

VOID

OSSF SOIL EVALUATION REPORT INFORMATION

REVISED
7:50 am, Oct 10, 2019

VOID

Date: 10/9/19
Applicant Information:
Name: Gary L. & Nannette Rogers
Address: 2615 Kangaroo Court
City, State & Zip Code: New Braunfels, TX 78132
Phone: 830.660.6066 (Nannette)
Email: Nannrogers@gmail.com
bakersepticservice@yahoo.com

Site Evaluator Information:
Name: Douglas R. Dowlearn
Company: D.A.D. Services, Inc.
Address: 703 Oak Drive
City, State & Zip: Blanco, TX 78606
Phone: (210)240-2101 **Fax:** (866)260-7687
Email: txseptic@gmail.com

Property Location:
Lot: 117 **Subdivision:** Havenwood at Hunters Crossing, Unit One
Street/Road Address: 2615 Kangaroo Court
City: New Braunfels **Zip:** 78132
Additional Info: Comal County/1.03 Acres

Installer Information:
Name: William Baker
Company: Baker Septic Services
Address:
City, State & Zip:
Phone: **Fax:**

Depth	Texture Class	Soil Texture	Structure (For Class III - blocky, platy or massive)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observation
Soil Boring #1 60"	III	0-12" Clay Loam 12"+ Limestone	Blocky	<30% Gravel	12"+ Limestone	None
Soil Boring #2 60"		Same as above	VOID			

DESIGN SPECIFICATIONS

Application Rate (RA): 0.064
OSSF is designed for: 5 BR (3982 Sq. Ft.)
360 Gallons per day required
An aerobic treatment/spray disposal system is to be utilized based on the site evaluation.
5625 sq. ft. disposal area required
600 gallon/day aerobic tank required
Calculations: Absorption Area: $Q/RA = 360/0.064 = 5625$ Sq. Ft.

FEATURES OF SITE AREA

Presence of 100-year flood zone: NO
Existing or proposed water well in nearby area: NO
Presence of adjacent ponds, streams, water impoundments: NO
Presence of upper water shed: NO
Organized sewage service available to lot: NO

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability. The site evaluation and OSSF design are subject to approval by the TCEQ or the local authorized agent. The planning materials and the OSSF design should not be considered final until a permit to construct has been issued.

Site Evaluator:
NAME: Douglas R. Dowlearn, R.S.

License No. OS9902 - Exp. 6/30/2020
TDH: #2432 - Exp. 2/28/2021

Signature: 

VOID

VOID

D. A. BERRY, INC.

DOUG DOWLEARN

703 OAK DRIVE, BLANCO, TX 78606

Designed for: Gary L. & Nannette Rogers

REVISED

7:50 am, Oct 10, 2019

The installation site is on Lot 117 of the Havenwood at Hunters Crossing, Unit One Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 5 Bedroom (3982 sq. ft.) residence. The proposed method of wastewater treatment is aerobic treatment with spray irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 4" PVC pipe will discharge from the residence to a pre-treatment tank, which flows into a 600 gpd aerobic treatment plant. The aerobic tank effluent flows to a 768 gallon storage/pump tank containing a liquid chlorinator and a single 20 gpm submersible pump. Distribution is through 7 K-Rain Gear Driven pop-up sprinklers, with low angle (13 degrees) spray nozzle, operating at <40 psi. Two sprinklers will spray a radius of 30 feet with 90 degrees of arc; one sprinkler will spray a radius of 30 feet with 180 degrees of arc; one sprinkler will spray a radius of 28 feet with 180 degrees of arc; one sprinkler will spray a radius of 32 feet with 73 degrees of arc; one sprinkler will spray a radius of 32 feet with 46 degrees of arc; and one sprinkler will spray a radius of 25 feet with 169 degrees of arc. An audio and visual alarm monitoring both high water and aerator failure will be placed in a noticeable location.

VOID

DESIGN SPECIFICATIONS:

- Daily Waste Flow: 360 gpd
- Application rate: 0.064
- Application area required: $360/.064 = 5625$ ft. sq.
- Application area utilized: 5655 sq. ft.
- Pump tank reserve capacity: 180 gal minimum



Douglas R. Dowlearn
10/9/19

SYSTEM COMPONENTS:

- SCH 40 PVC sewer line
- 1" purple PVC supply line
- 600 gpd aerobic treatment plant with timed controls with a battery backup set to spray in pre-dawn hours of midnight to 5:00 a.m.
- Liquid chlorinator
- 7 K-Rain Gear Driven Pop-up Sprinkler
- Pre-tank and 768 gallon pump tank

VOID

REVISED

7:50 am, Oct 10, 2019

LANDSCAPING:

VOID

The native vegetation in the distribution areas should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the spray must be covered with a ground cover such as grass seed or sod prior to the final inspection. In the event the natural cover is disturbed, a suitable ground cover must be installed on all excavated areas.



Douglas R. Dowlearn, P.E.
10/9/19

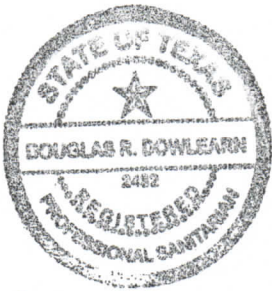
VOID

VOID

VOID

REVISED

7:49 am, Oct 10, 2019



Douglas R. Dowle
10/9/19

NUWATER B 550 PC
AEROBIC TREATMENT
PLANT

2 ZONE K-RAIN VALVE

ZONE 1
R = 30'

TOTAL SPRAY AREA = 5655 SF

15.25'

NOTES:

- VERIFY WATER LINE LOCATION. WHEN ENTERING CLOSER THAN 10' FROM SEPTIC AREA OR SPRAY AREA SLEEVE LINE WITH 2" SCH 40 PVC PIPE.

- 1" SCH 40 PURPLE PIPE TO ALL SPRAY HEADS.

- 3" OR 4" SCH 40 PVC PIPE FROM HOUSE TO TANK.

- 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 WHERE IT CROSSES DRIVE AND 10' BEYOND.

299.89'
10' OSSF SETBACK

W

W

20' UTILITY EASEMENT

10' OSSF SETBACK

150.00'

POOL

OUTDOOR BUILDING

HOT TUB

5 BR
<4500 sf

VOID

C/O

34'

52'

ZONE 2
R = 30'

ZONE 1
R = 32'
> = 73°

ZONE 2
R = 28'

39'

56'

ZONE 2
R = 30'

20' UTILITY EASEMENT

10' OSSF SETBACK

DRIVEWAY

DRIVEWAY

37'

54'

ZONE 1
R = 25'
> = 169°

299.89'

SLOPE 3%

KANGAROO COURT 150.00'

VOID

GARY L & NANNETTE ROGERS
2615 KANGAROO COURT
NEW BRAUNFELS, TX 78132
HAVENWOOD AT HUNTERS CROSSING 1, LOT 117
COMAL COUNTY

SCALE 1"=40'

OSSF SOIL EVALUATION REPORT INFORMATION

VOID

Date: 8/27/19

Applicant Information:

Name: Gary L. & Nannette Rogers
Address: 2615 Kangaroo Court
City, State & Zip Code: New Braunfels, TX 78132
Phone: 830.660.6066 (Nannette)
Email: Nannrogers@gmail.com

Site Evaluator Information:

Name: Douglas R. Dowlearn
Company: D.A.D. Services, Inc.
Address: 703 Oak Drive
City, State & Zip: Blanco, TX 78606
Phone: (210)240-2101 Fax: (866)260-7687
Email: txseptic@gmail.com

Property Location:

Lot: 117 Subdivision: Havenwood at Hunters Crossing, Unit One
Street/Road Address: 2615 Kangaroo Court
City: New Braunfels Zip: 78132
Additional Info: Comal County/1.03 Acres

Installer Information:

Name:
Company:
Address:
City, State & Zip:
Phone: Fax:

Depth	Texture Class	Soil Texture	Structure (For Class III - blocky, platy or massive)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observation
Soil Boring #1 60"	III	0-12" Clay Loam 12"+ Limestone	Blocky	<30% Gravel	12"+ Limestone	None
Soil Boring #2 60"		Same as above				

VOID

DESIGN SPECIFICATIONS

Application Rate (RA): 0.064
OSSF is designed for: 5 BR (3982 Sq. Ft.)
360 Gallons per day required
An aerobic treatment/spray disposal system is to be utilized based on the site evaluation.
5625 sq. ft. disposal area required
600 gallon/day aerobic tank required
Calculations: Absorption Area: $Q/RA = 360/0.064 = 5625$ Sq. Ft.


FEATURES OF SITE AREA

Presence of 100-year flood zone: NO
Existing or proposed water well in nearby area: NO
Presence of adjacent ponds, streams, water impoundments: NO
Presence of upper water shed: NO
Organized sewage service available to lot: NO

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability. The site evaluation and OSSF design are subject to approval by the TCEQ or the local authorized agent. The planning materials and the OSSF design should not be considered final until a permit to construct has been issued.

Site Evaluator:
NAME: Douglas R. Dowlearn, R.S.

License No. OS9902 - Exp. 6/30/2020
TDH: #2432 - Exp. 2/28/2021

Signature: 

VOID

VOID

D.A.L. SERVICES, INC.
DOUG DOWLEARN
703 OAK DRIVE, BLANCO, TX 78606
Designed for: Gary L. & Nannette Rogers

The installation site is on Lot 117 of the Havenwood at Hunters Crossing, Unit One Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 5 Bedroom (3982 sq. ft.) residence. The proposed method of wastewater treatment is aerobic treatment with spray irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 4" PVC pipe will discharge from the residence to a pre-treatment tank, which flows into a 600 gpd aerobic treatment tank. The aerobic tank effluent flows to a 768 gallon storage/pump tank containing a liquid chlorinator and a single 20 gpm submersible pump. Distribution is through 5 K-Rain Gear Driven pop-up sprinklers, with low angle (13 degrees) spray nozzles spraying a radius of 32 feet at <40 psi. Three sprinklers will spray 180 degrees of arc and two sprinklers will spray 90 degrees of arc. An audio and visual alarm monitoring both high water and aerator failure will be placed in a noticeable location.

DESIGN SPECIFICATIONS:

Daily Waste Flow: 360 gpd
Application rate: 0.064
Application area required: $360/.064 = 5625$ ft. sq.
Application area utilized: 6167 sq. ft.
Pump tank reserve capacity: 180 gal minimum



Douglas R. Dowlearn
8/27/19

SYSTEM COMPONENTS:

SCH 40 PVC sewer line
1" purple PVC supply line
600 gpd aerobic treatment plant with timed controls with a battery backup set to spray in pre-dawn hours of midnight to 5:00 a.m.
Liquid chlorinator
5 K-Rain Gear Driven Pop-up Sprinkler
Pre-tank and 768 gallon pump tank

LANDSCAPING:

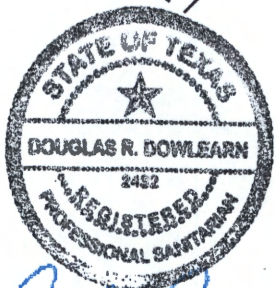
The native vegetation in the distribution area should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the spray must be covered with a ground cover such as grass seed or sod prior to the final inspection. In the event the natural cover is disturbed, a suitable ground cover must be installed on all excavated areas.

VOID

payment & permitting docs

VOID

150.00'



Douglas R. Dowlearn

8/27/19

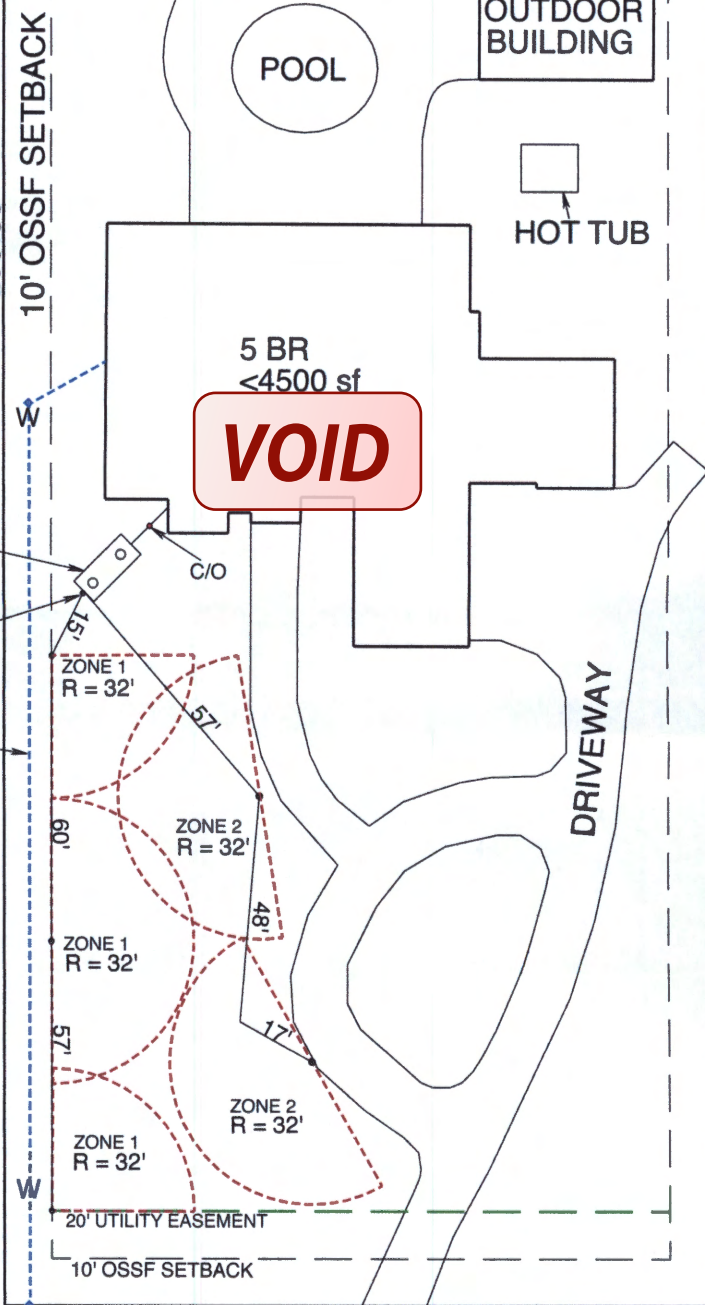
Existing ATU (#104288)
NUWATER B 550 PC
AEROBIC TREATMENT
PLANT

2 ZONE K-RAIN VALVE

VERIFY WATER LINE LOCATION, WHEN
ENTERING CLOSER THAN 10' FROM
SEPTIC AREA OR SPRAY AREA SLEEVE
LINE WITH 2" SCH 40 PVC PIPE.

TOTAL SPRAY AREA = 6167 SF

SLOPE 3%



GARY L & NANNETTE ROGERS
2615 KANGAROO COURT
NEW BRAUNFELS, TX 78132
HAVENWOOD AT HUNTERS CROSSING 1, LOT 117
COMAL COUNTY

SCALE 1"=40'

VOID

**CCEO
COPY**



Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: **04/05/2016** Permit Number: **104288**

Location Description: **2615 KANGAROO CT
NEW BRAUNFELS, TX 78132**

Subdivision: **Havenwood at Hunters Crossing**
Unit: **1**
Lot: **117**
Block:
Acreage:

Type of System: **Aerobic
Surface Irrigation**

Issued to: **Gary L. & Nannette Rogers**

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Commission on Environmental Quality.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Alterations to this permit including, but not limited to:

- Increase in the square feet of living area
- Increase in the number of bedrooms
- A change of use (i.e. residential to commercial)
- Relocation of system components (including the relocation of spray heads)
- Installation of landscaping
- Adding new structures to the system

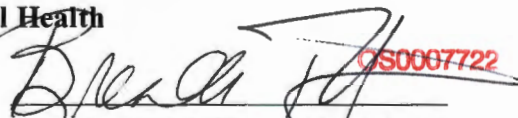
may require a new permit. **It is the responsibility of the owner to apply for a new permit, if applicable.**

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority
Comal County Environmental Health


OS8497
ENVIRONMENTAL HEALTH INSPECTOR


OS006722
ENVIRONMENTAL HEALTH COORDINATOR

CCEO

COPY

*** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH ***

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date January 13, 2016

Permit # 104280

Owner Name GARY L. & NANNETTE ROGERS

Agent Name: GREG W. JOHNSON, P.E.

Mailing Address c/o 277 JOLIE DRIVE

Agent Address: 170 HOLLOW OAK

City, State, Zip SPRING BRANCH, TX 78070

City, State, Zip: NEW BRAUNFELS, TEXAS 78132

Phone #

Phone #: (830) 905-2778

Email

Email: gregjohnsonpe@yahoo.com

All correspondence should be sent to. [] Owner [X] Agent [] Both [] Method: [] Mail [X] Email

Subdivision Name HAVENWOOD AT HUNTERS CROSSING Unit/Phase/Section 1 Lot 117 Block

Acreage/Legal

Street Name/Address 2615 KANGAROO COURT City NEW BRAUNFELS Zip 78132

Type of Development:

[X] Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) HOUSE

Number of Bedrooms 5

Indicate Sq Ft of Living Area 3982

[] Commercial or Institutional Facility

(Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)

Type of Facility

Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants

Restaurants, Lounges, Theaters - Indicate Number of Seats

Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds

Travel Trailer/RV Parks - Indicate Number of Spaces

Miscellaneous

Is any portion of the proposed OSSF located in the United States Army Corps of Engineers (USACE) flowage easement?

[] Yes [X] No

(if yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water [X] Public [] Private Well [] Other:

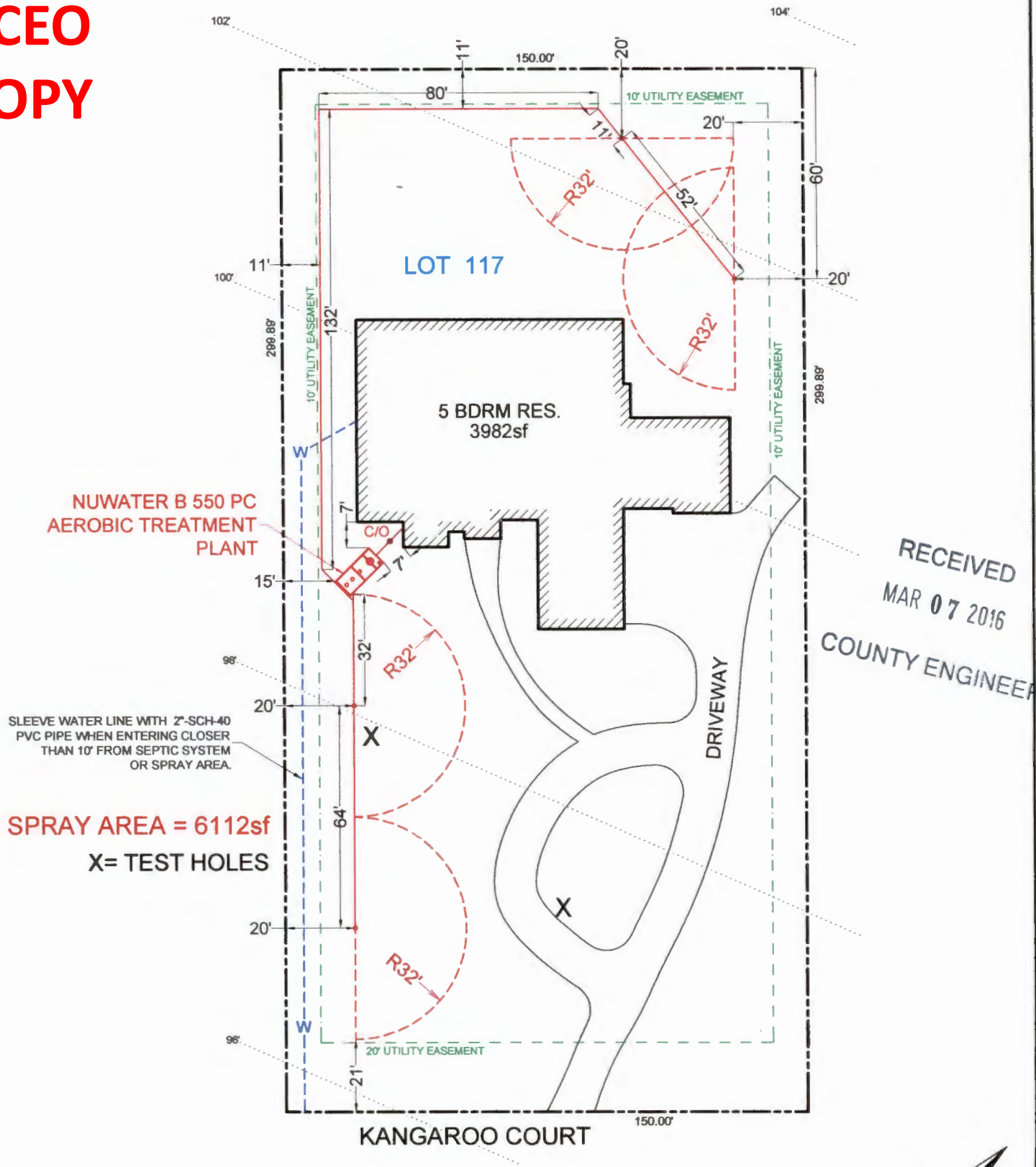
Are Water Saving Devices Being Utilized Within the Residence? [X] Yes [] No

I certify that the completed application and all additional information submitted does not contain any false information and does not conceal any material facts. Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities. I also understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.

Signature of Owner [Handwritten Signature] Date 2/27/16

RECEIVED MAR 07 2016 COUNTY ENGINEER

**CCEO
COPY**



OWNER: GARY L. & NANNETTE ROGERS		DRAWN BY:	
STREET ADDRESS: 2615 KANGAROO COURT			
LEGAL DESC: HAVENWOOD at HUNTERS CROSSING	UNIT/SECTION/PHASE: 1	BLOCK:	LOT: 117
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=40'	DATE: 1/13/2016	REVISED: 2/23/2016



TTT/GF# 1143 / Closer RS / \$24.00
NB

3/TC



201306050987 12/16/2013 02:20:11 PM 1/3

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

GENERAL WARRANTY DEED RESERVING VENDOR'S LIEN IN FAVOR OF THIRD PARTY

THE STATE OF TEXAS §
COUNTY OF COMAL § KNOW ALL MEN BY THESE PRESENTS:

THAT **RANDY SHIEFF and wife, CAMILLE SHIEFF**, hereinafter called Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) cash and other good and valuable consideration in hand paid by **GARY L. ROGERS and wife, NANNETTE ROGERS**, hereinafter called Grantee, the receipt and sufficiency of which is hereby acknowledged and confessed, and the further consideration of the execution and delivery by the said Grantee of one certain Promissory Note of even date herewith in the principal sum of **FORTY-NINE THOUSAND, FIVE HUNDRED AND NO/100 (\$49,500.00) DOLLARS**, payable to the order of **SECURITY SERVICE FEDERAL CREDIT UNION**, hereinafter called Mortgagee, said Note being payable as therein provided, bearing interest at the rate therein specified, providing for attorney's fees and acceleration of maturity at the rate and in the events therein set forth, and payment of said Note being secured by a vendor's lien and superior title retained herein in favor of said Mortgagee, and by Deed of Trust of even date herewith from Grantee to **RUTH W. GARNER, Trustee**, to which reference is hereby made for all purposes; and,

WHEREAS, Mortgagee has, at the special instance and request of said Grantee herein, paid to Grantor herein **\$49,500.00** of the purchase money for the property

hereinafter described as represented by the above described Note, said Note, together with the vendor's lien and Deed of Trust Lien against said property securing the payment of said Note is, without recourse upon the Grantor herein, hereby assigned, transferred and delivered to Mortgagee, the Grantor hereby conveying to the said Mortgagee the said superior title to said property, and subrogating the said Mortgagee unto all the rights and remedies of Grantor in the premises by virtue of said Note and liens; the indebtedness evidenced by said Note being due and payable as therein provided, both principal and interest being due and payable at the office of **SECURITY SERVICE FEDERAL CREDIT UNION;**

HAS GRANTED, SOLD and CONVEYED, and by these presents does GRANT, SELL and CONVEY unto the said Grantee, the following described property, to-wit:

Lot 117, HAVENWOOD AT HUNTERS CROSSING UNIT ONE, according to the plat thereof recorded in **Document Number 200606015745,** Map and Plat Records of Comal County, Texas.

This conveyance is made subject to, all and singular, the restrictions, easements and covenants, if any, applicable to and enforceable against the above described property as reflected by the records of the County Clerk of Comal County, Texas.

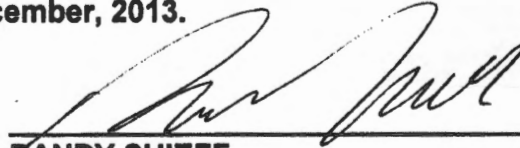
Taxes for the current year have been prorated and are assumed by Grantee.

It is expressly agreed and stipulated that a vendor's lien is retained in favor of the payee in said Notes against the above described property, premises and improvements, until said Notes, and all interest thereon, is fully paid according to the face and tenor, effect and reading thereof, when this deed shall become absolute.


TO HAVE AND TO HOLD the above described premises, together with, all and singular, the rights and appurtenances thereto in anywise belonging unto the said Grantee, Grantee's heirs and assigns forever.

Grantor does hereby bind Grantor, Grantor's heirs, executors, administrators and successors to warrant and forever defend, all and singular, the said premises unto the said Grantee, Grantee's heirs, executors, administrators, successors and assigns, against every person whomsoever claiming or to claim the same or any part thereof.

DATED this the 13 day of December, 2013.



RANDY SHIEFF

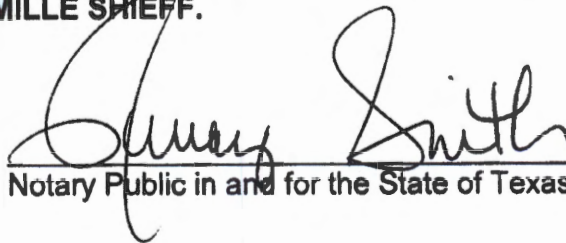


CAMILLE SHIEFF

STATE OF TEXAS
COUNTY OF COMAL

§
§

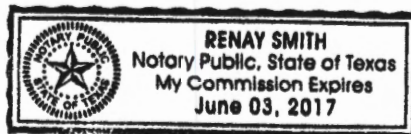
This instrument was acknowledged before me on this the 13 day of December, 2013, by **RANDY SHIEFF** and wife, **CAMILLE SHIEFF**.



Notary Public in and for the State of Texas

GRANTEE'S MAILING ADDRESS:

278 Spire Ln.
New Braunfels TX 78132



212j.DEEDS

Filed and Recorded
Official Public Records
Joy Streater, County Clerk
Comal County, Texas
12/16/2013 02:20:11 PM

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded

Items	Date Received
	Initials

REMODEL OF PERMIT # 104288

Permit Number

Instructions:

Place a check mark next to all items that apply. For items that do not apply, place "N/A". This OSSF Development Application Checklist must accompany the completed application.

OSSF Permit

Completed Application for Permit for Authorization to Construct an On-Site Sewage Facility and License to Operate

Site/Soil Evaluation Completed by a Certified Site Evaluator or a Professional Engineer

Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist of a scaled design and all system specifications.

Required Permit Fee

Copy of Recorded Deed

Surface Application/Aerobic Treatment System

Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public

N/A Signed Maintenance Contract with Effective Date as Issuance of License to Operate

N/A Portion of Proposed OSSF Located in the United States Army Corps of Engineers (USACE) Flowage Easement

N/A USACE Consent for proposed OSSF

I affirm that I have provided all information required for my OSSF Development Application and that this application constitutes a completed OSSF Development Application.

Nann Rogers
Signature of Applicant

Sign
Date

8-28-19
Date

COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

INCOMPLETE APPLICATION (Missing Items Circled, Application Refused)
--

Baker Septic Service, LLC
15375 Cranes Mill Rd., Canyon Lake, TX 78133
830-899-2971

Septic System Service Agreement

In consideration of payment for this service contract, we will abide by and agree to its terms and conditions:

Name: NANNETTIE ROLERS Address: 2615 KANGAROO COURT
Subdivision/ County: HAVERWOOD AT HUNTERS CROSSING City, State, Zip: NEW BRAUNFELS TX 78133
Permit # 109690 Model # COMAL Serial #
Phone:

() Initial Two Year Service Agreement & Two Year Limited Warranty
() One Year Service Agreement

RENEWAL _____ NAME TRANSFER _____ ANALYSIS _____

Legal Description:

The Effective date of this initial maintenance contract shall be the date the License to Operate is issued.

For \$ 350.00 this contract will be in effect FROM 11/29/19 - 11/29/20 and will provide the following:

1. An inspection/service call every (4) four months which will include: inspection, adjustments and servicing of the mechanical & electrical components as necessary to insure proper function of the system.
2. An effluent quality inspection consisting of a visual check for color, turbidity, scum, overflow and odor.
3. **THE PROPERTY OWNER IS RESPONSIBLE FOR PURCHASING AND KEEPING CHLORINE IN THE CHLORINATOR (IF APPLICABLE). IF THE CHLORINE TEST REVEALS "NO CHLORINE" IN THE SYSTEM, THE PROPERTY OWNER MAY INCURE AN ADDITIONAL COST.**
4. If any improper operation is observed (which cannot be corrected at that time) the property owner will be notified immediately of the conditions and the estimated cost.
5. The response time to a complaint by the property owner regarding operation of the system, shall be within **48 hours**, from the time of notification. **One service call a year, if needed, will be provided with no cost to property owner.**
6. **ANY PARTS, WARRANTY OR NON-WARRANTY, FREIGHT CHARGES, LABOR OR SERVICE CALLS DUE NOT PAID FOR REMAIN THE PROPERTY OF BAKER SEPTIC SERVICE, LLC AND COULD RESULT IN REPOSSESSION OF PARTS BY BAKER SEPTIC SERVICE, LLC.**
7. **THE SIGNING OF THIS SERVICE AGREEMENT AUTHORIZES BAKER SEPTIC SERVICE, LLC TO ENTER THE PROPERTY TO EXECUTE ALL TERMS OF THIS CONTRACT.**

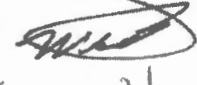
BAKER SEPTIC SERVICE, LLC, WILL WARRANTY INSTALLATION of the septic system according to state and county regulations and the designs approved by the county. **HOMEOWNER WILL BE RESPONSIBLE FOR SERVICE CALL, LABOR, AND SHIPPING COSTS ON ANY "WARRANTED PARTS" EXCHANGED DURING WARRANTY.** All other component will be according to manufacturer's warranties.

IMPORTANT: As Baker Septic Service, LLC cannot control what or how much effluent goes into this septic system, we cannot warranty how the system will function. Refer to manufacturers or installers instructions for suggestions on septic operation. This service agreement does not cover the cost of service call, labor or materials that are required or parts out of warranty, the failure to maintain electrical power to the system, sprinklers that are broken, leaking, stopped-up or otherwise mal-functioning; or sewage flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvent, grease, oil, paints, etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available at an additional cost. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost.

This contract does not include the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any part of the system regardless of reason:

Violations of the warranty also include: Disconnecting the alarm, restricting ventilation to the aerator, over loading the system above its rated capacity; or flooding by external means. Rodent, insect or Fire Ant damage or any other form of unusual abuse is a violation.

A renewal service contract should be activated (30) thirty days before expiration of existing contract. We will contact property owner prior to expiration of existing contract.

Serviced by: Baker Septic Service, LLC
Maintenance Provider: MPOOD 2019 
(x) Nann Rogers Print Name (x) Nann Rogers Date: 11-25-19
Property Owner Signature
(x) W. H. [Signature] Date: 11-30-19 Authorized Service Representative

Baker Septic Service, LLC
15375 Cranes Mill Rd., Canyon Lake, TX 78133
830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 11-25-19 Installed: 9-11-19 Service expires: 11-25-20

Billing Address: SAME

Physical Address:
2615 KANCAWOOD COURT
NEW BRAUNFELS TX 78133

Telephone: 830-660-6066
 Alt. Phone:

Lot: 117

Permit # 109690
 County: COMAL
 SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSING
 NOTES:

TYPE OF SYSTEM: NU WATER SPRAY SYSTEM

Inspected Item: Operational Inoperative

Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	4.0
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	-	
Other as Noted	-	

Action taken, Repairs or Needed repairs to system (list all components replaced):
CHECKED FLOATS & SPRINKLERS
CHECKED PSI ON COMPRESSOR
CLEARED FILTER, CHECKED
ELC.

Access Lids are Secured Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results Mg/1mpn/100mi or Trace	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)		✓	5%	SLUDGE JUDGE
C1 (Grab)	✓		1.0	SIX HP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT 0001435

Date of Completion: 11-25-19 Start Job Time: 1:20 Stop Job Time: 2:00

Maintenance Provider: William Baker MW0002099 WKB

Baker Septic Service, LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 3-2-20 Installed: 9-11-19 Service expires: _____

Billing Address: SAMF

Physical Address:

2615 KANGAROO COURT
NEW BRAUNFELS TX 78132
NAN ROGERS

Telephone: 830.660-6060
 Alt. Phone: _____

Lot: _____

Permit # 109690

County: COMAL

SN: _____

Subdivision: HAVENWOOD AT HUNTERS CROSSING

NOTES:

TYPE OF SYSTEM: NW WATER SPRAY SYSTEM

Inspected Item:

Operational

Inoperative

Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	<u>3.0</u>
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	—	
Other as Noted	—	

Action taken, Repairs or Needed repairs to system (list all components replaced):

CHECKED FLOATS & SPRINKLERS
CLEANED FILTER, CHANGED
PSI ON COMPRESSOR
CHECKED ELIC.

SYSTEM OPERATIONAL

Access Lids are Secured

Yes

No

TESTS REQUIRED AND RESULTS:

	Required		Results Mg/1mpn/100mi or Trace	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)		✓	<u>1%</u>	<u>SLUDGE JUDG</u>
C1 (Grab)	✓		<u>1.0</u>	<u>STRIP</u>
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT0001435

Date of Completion: 3-2-20 Start Job Time: 5:00 Stop Job Time: 5:55

Maintenance Provider: William Baker MAF000299

Baker Septic Service, LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 7-21-20 Installed: 9-11-19 Service expires: _____

Billing Address: SAME

Physical Address:
2615 KANGAROO COURT
NRW BRAUNFELS TX 78132
DAN ROGERS

Telephone: 830-660-6066
 Alt. Phone: _____

Lot: _____ Permit # 109690
 County: COMAL
 SN: _____

Subdivision: HAVENWOOD AT HUNTERS CROSSING
 NOTES: _____

TYPE OF SYSTEM: NW WATER SPRAY SYSTEM

Inspected Item: Operational Inoperative

Inspected Item	Operational	Inoperative
Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	3.5
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	—	
Other as Noted	—	

Action taken, Repairs or Needed repairs to system (list all components replaced):
CHECKED SYSTEM FLOATS & SPRINKLERS, CLEANED FILTER
CHECKED PSI ON COMPRESSOR
CHECKED ELEC.
ONE SPRINKLER WAS INOP AND REPLACED, AIR SWITCH WAS INOP AND REPLACED
SYSTEM OPERATIONAL

Access Lids are Secured Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)	✓		1.0	QUICK JUDGE
Cl (Grab)	✓		1.0	STRIP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT 0001435

Date of Completion: 7-21-20 Start Job Time: 9:10 Stop Job Time: 11:10

Maintenance Provider: [Signature]

Baker Service and Maintenance OSSF Systems PS LLC

15375 Cranes Mill Rd., Canyon Lake, TX 78133

830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 2-11-22 Installed: 03-7-16 Service expires: 2-11-23

Billing Address: SAME

Physical Address:

2615 KANGAROO CT
NEW BRAUNFELS TX 78132
NANNETTE ROGERS

Telephone: 830-743-5118

Lot: 117

Permit # 109690

Alt. Phone: 830-624-6037

County: COMAL

SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSING

NOTES:

TYPE OF SYSTEM: AEROBIC STRAY SYSTEM

Inspected Item:

Operational

Inoperative

Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	3.5
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	—	
Other as Noted	—	

Action taken, Repairs or Needed repairs to system (list all components replaced):

CHECKED FLOATS & SPRINKLERS
CLEANED FILTER, CHECKED
PSI ON COMPRESSOR
CHECKED ELIC.

SYSTEM OPERATIONAL

Access Lids are Secured

Yes

No

TESTS REQUIRED AND RESULTS:

	Required		Results Mg/1mpn/100mi or Trace	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)	✓		3%	SLUDGE JUDGE
C1 (Grab)	✓		1.0	STRIP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS NT 0001435

Date of Completion: 2-11-22 Start Job Time: 2:30 Stop Job Time: 4:00

Maintenance Provider: William Baker MP 0002899

Baker Septic Service, LLC
15375 Cranes Mill Rd., Canyon Lake, TX 78133
830-899-2971

Septic System Service Agreement

In consideration of payment for this service contract, we will abide by and agree to its terms and conditions:

Name: Nan Rogers

Address: 2615 Kangaroo Court

Subdivision/ County:

City, State, Zip: New Braunfels TX, 78132

Permit #

Model #

Serial #

Phone: ~~830-660-6666~~ 830-743-5118

() Initial Two Year Service Agreement
& Two Year Limited Warranty

() One Year Service Agreement

RENEWAL

NAME TRANSFER _____

ANALYSIS _____

Legal Description:

The Effective date of this initial maintenance contract shall be the date the License to Operate is issued.

For \$ 400 this contract will be in effect FROM 02/11/22 - 02/11/23 and will provide the following:

1. An inspection/service call every (4) four months which will include: inspection, adjustments and servicing of the mechanical & electrical components as necessary to insure proper function of the system.
2. An effluent quality inspection consisting of a visual check for color, turbidity, scum, overflow an odor.
3. **THE PROPERTY OWNER IS RESPONSIBLE FOR PURCHASING AND KEEPING CHLORINE IN THE CHLORINATOR (IF APPLICABLE). IF THE CHLORINE TEST REVELS "NO CHLORINE" IN THE SYSTEM, THE PROPERTY OWNER MAY INCURE AN ADDITIONAL COST.**
4. If any improper operation is observed (which cannot be corrected at that time) the property owner will be notified immediately of the conditions and the estimated cost.
5. The response time to a complaint by the property owner regarding operation of the system, shall be within **48 hours**, from the time of notification. **One service call a year, if needed, will be provided with no cost to property owner.**
6. **ANY PARTS, WARRANTY OR NON-WARRANTY, FREIGHT CHARGES, LABOR OR SERVICE CALLS DUE NOT PAID FOR REMAIN THE PROPERTY OF BAKER SEPTIC SERVICE, LLC AND COULD RESULT IN REPOSSESSION OF PARTS BY BAKER SEPTIC SERVICE, LLC.**
7. **THE SIGING OF THIS SERVICE AGREEMENT QUTHORIZES BAKER SEPTIC SERVICE, LLC TO ENTER THE PROPETY TO EXECUTE ALL TERMS OF THIS CONTRACT.**

BAKER SEPTIC SERVICE, LLC, WILL WARRANTY INSTALLAION of the septic system according to state and county regulations and the designs approved by the county. **HOMEOWNER WILL BE RESPONSIBE FOR SERVICE CALL, LABOR, AND SHIPPING COSTS ON ANY "WARRANTED PARTS" EXCHANGED DURING WARRANTY.** All other component will be according to manufacturer's warranties. **IMPORTANT:** As Baker Septic Service, LLC cannot control what or how much effluent goes into this septic system, we cannot warranty how the system will function. Refer to manufacturers or installers instructions for suggestions on septic operation. This service agreement does not cover the cost of **service call, labor or materials** that are required or **parts out of warranty**, the failure to maintain electrical power to the system, **sprinklers that are broken**, leaking, stopped-up or otherwise mal-functioning; or sewage flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvent, grease, oil, paints, etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available at an additional coast. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost. This contract does not include the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any part of the system regardless of reason:

Violations of the warranty also include: Disconnecting the alarm, restricting ventilation to the aerator, over loading the system above its rated capacity; or flooding by external means. Rodent, insect or Fire Ant damage or any other form of unusual abuse is a violation.

A renewal service contract should be activated (30) thirty days before expiration of existing contract. We will contact property owner prior to expiration of existing contract.

Serviced by: Baker Septic Service, LLC

Maintenance Provider MPO502099

(x) Mary Rogers
Property Owner Signature

Print Name (X)

GARY ROGERS

Date:

2/20/22

(x)

[Signature]

Date:

2-21-22

Authorized Service Representative

Baker Service and Maintenance OSSF Systems PS LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Jud

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 6-7-22 Installed: 03-7-12 Service expires: 2-11-23

Billing Address: SAME

Physical Address:
 2615 KANCAWOOD CT
 NEW BRAUNFELS TX 78132
 MANNETTE ROGERS

Telephone: 830-624-0037
 Alt. Phone: 830-743-5118

Lot: 117

Permit # 109690
 County: COMAL
 SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSING

NOTES:

TYPE OF SYSTEM: AEROBIC SPRAY SYSTEM

Inspected Item:

Operational Inoperative

Inspected Item	Operational	Inoperative
Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	2.4
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	✓	
Other as Noted	✓	

Action taken, Repairs or Needed repairs to system (list all components replaced):

CHECKED FLOATS + SPRINKLERS
CLEANED FILTER, CHECKED
PSI ON COMPRESSOR
CHECKED ELEC
6" X 20" RISER INSTALLED ON
AEROBIC TANK
SYSTEM OPERATIONAL

Access Lids are Secured

Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results Mg/1mpn/100mi or Trace	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)	✓		2%	SLUDGE JUDGE
C1 (Grab)	✓		1.0	STRIP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT 0001435

Date of Completion: 6-7-22 Start Job Time: 11:35 Stop Job Time: 10:30

Maintenance Provider: William G. New 830-209-2099 *WGN*

Baker Service and Maintenance OSSF Systems PS LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 11.9.22 Installed: 11.19.19 Service expires: 2.11.23

Billing Address: SAME

Physical Address:

2615 KANGAROO CT
NEW BRAUNFELS, TX 78132
NANNETTE ROGERS

Telephone: 830.624.0037
 Alt. Phone: 830.743.5118

Lot: 117

Permit # 109690
 County: COMAL
 SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSINGS

NOTES: #7276

TYPE OF SYSTEM: NU WATER SPRAY SYSTEM

Inspected Item: Operational Inoperative

Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	3.2 PSI
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	—	
Other as Noted	⊕	

Action taken, Repairs or Needed repairs to system (list all components replaced):
CK FLOATS, ALARMS & SPRINKLERS
CK PSI-ON COMPRESSOR &
CLEAN FILTER
CK ELEC
SYSTEM OPERATIONAL

Access Lids are Secured Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results Mg/1mpn/100mi or Trace	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)	✓		2.90	SLUDGE JUDGE
C1 (Grab)	✓		1.0	STRIP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: MARTIN PASCARELLA MT 0002064

Date of Completion: 11.9.22 Start Job Time: 10:10 AM Stop Job Time: 10:50 AM

Maintenance Provider: William Baker MPO002099

Baker Septic Service, LLC
15375 Cranes Mill Rd., Canyon Lake, TX 78133
830-899-2971

Septic System Service Agreement

In consideration of payment for this service contract, we will abide by and agree to its terms and conditions:

Name: NAN ROGERS Address: 2615 KANGAROO CT
Subdivision/ County: HAVEN WOOD AT HUNTERS CROSSING City, State, Zip: NEW BRAUNFELS TX 78132
Permit # 109690 Model # CDMAL Serial #
Phone: 830-743-5118

() Initial Two Year Service Agreement & Two Year Limited Warranty
() One Year Service Agreement

RENEWAL NAME TRANSFER _____ ANALYSIS _____

Legal Description:

The Effective date of this initial maintenance contract shall be the date the License to Operate is issued.

For \$ 400.00 this contract will be in effect FROM 1/30/23 - 1/30/24 and will provide the following:

1. An inspection/service call every (4) four months which will include: inspection, adjustments and servicing of the mechanical & electrical components as necessary to insure proper function of the system.
2. An effluent quality inspection consisting of a visual check for color, turbidity, scum, overflow an odor.
3. **THE PROPERTY OWNER IS RESPONSIBLE FOR PURCHASING AND KEEPING CHLORINE IN THE CHLORINATOR (IF APPLICABLE). IF THE CHLORINE TEST REVELS "NO CHLORINE" IN THE SYSTEM, THE PROPERTY OWNER MAY INCURE AN ADDITIONAL COST.**
4. If any improper operation is observed (which cannot be corrected at that time) the property owner will be notified immediately of the conditions and the estimated cost.
5. The response time to a complaint by the property owner regarding operation of the system, shall be within 48 hours, from the time of notification. **One service call a year, if needed, will be provided with no cost to property owner.**
6. **ANY PARTS, WARRANTY OR NON-WARRANTY, FREIGHT CHARGES, LABOR OR SERVICE CALLS DUE NOT PAID FOR REMAIN THE PROPERTY OF BAKER SEPTIC SERVICE, LLC AND COULD RESULT IN REPOSSESSION OF PARTS BY BAKER SEPTIC SERVICE, LLC.**
7. **THE SIGING OF THIS SERVICE AGREEMENT QUTHORIZES BAKER SEPTIC SERVICE, LLC TO ENTER THE PROPEY TO EXECUTE ALL TERMS OF THIS CONTRACT.**

BAKER SEPTIC SERVICE, LLC, WILL WARRANTY INSTALLAION of the septic system according to state and county regulations and the designs approved by the county. **HOMEOWNER WILL BE RESPONSIB FOR SERVICE CALL, LABOR, AND SHIPPING COSTS ON ANY "WARRANTED PARTS" EXCHANGED DURING WARRANTY.** All other component will be according to manufacturer's warranties.

IMPORTANT: As Baker Septic Service, LLC cannot control what or how much effluent goes into this septic system, we cannot warranty how the system will function. Refer to manufacturers or installers instructions for suggestions on septic operation. This service agreement does not cover the cost of service call, labor or materials that are required or parts out of warranty, the failure to maintain electrical power to the system, sprinklers that are broken, leaking, stopped-up or otherwise mal-functioning; or sewage flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvent, grease, oil, paints, etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available at an additional coast. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost.

This contract does not include the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any part of the system regardless of reason:

Violations of the warranty also include: Disconnecting the alarm, restricting ventilation to the aerator, over loading the system above its rated capacity; or flooding by external means. Rodent, insect or Fire Ant damage or any other form of unusual abuse is a violation.

A renewal service contract should be activated (30) thirty days before expiration of existing contract. We will contact property owner prior to expiration of existing contract.

Serviced by: Baker Septic Service, LLC
Maintenance Provider MFB00209

(x) Nann Rogers Property Owner Signature Print Name (X) Nann Rogers Date: 1-30-23

(x) Wilk Date: 1-30-23 Authorized Service Representative

Baker Service and Maintenance OSSF Systems PS LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 1-30-23 Installed: 3-7-16 Service expires: 1-30-24

Billing Address: SAME

Physical Address:
2615 KANGAROO CT
NEW BRAUNFELS TX 78132
NAN ROGERS

Telephone: 830-743-5118
 Alt. Phone: 830-660-6066

Lot: 117

Permit # 109690
 County: COMAL
 SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSING

NOTES:

TYPE OF SYSTEM: NU WATER SPRAY SYSTEM

Inspected Item: Operational Inoperative

Inspected Item:	<u>Operational</u>	Inoperative
Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	3.0
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	—	
Other as Noted		

Action taken, Repairs or Needed repairs to system (list all components replaced):
CHECKED FLOATS & SPRINKLERS
CLEANED FILTER, CHECKED
PSI ON COMPRESSOR,
CHECKED ELEC.

SYSTEM OPERATIONAL

Access Lids are Secured Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results	Test
	YES	NO	Mg/1mpn/100mi or Trace	Method
BOD (Grab)				
TSS (Grab)	✓		2%	SLUDGEJUDGE
C1 (Grab)	✓		1.0	STRIP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT0001435

Date of Completion: 1-30-23 Start Job Time: 11:50 Stop Job Time: 12:20

Maintenance Provider: William Baker MP0002099

Baker Service and Maintenance OSSF Systems PS LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 9-14-23 Installed: 3-7-12 Service expires: 1-30-24

Billing Address: SAME

Physical Address:
2615 ISANGAROO CT
NEW BRAUNFELS TX 75132
NAN ROGERS

Telephone: 830-743-5118
 Alt. Phone: 830-660-6066

Lot: 117

Permit # 109690
 County: COMAL
 SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSING

NOTES:

TYPE OF SYSTEM: NU WATER SPRAY SYSTEM

Inspected Item: Operational Inoperative

Inspected Item	Operational	Inoperative
Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	2.8
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	-	
Other as Noted	-	

Action taken, Repairs or Needed repairs to system (list all components replaced):

CHECKED FLOATS & SPRINKLERS
CLEANED FILTER, CHECKED
PSI ON COMPRESSOR
CHECKED ELEC

SYSTEM OPERATIONAL

Access Lids are Secured Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results	Test
	YES	NO	Mg/1mpn/100mi or Trace	Method
BOD (Grab)				
TSS (Grab)	✓		3%	SLUDGE JUDGE
C1 (Grab)	✓		1.0	STRIP
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT 0001435

Date of Completion: 9-14-23 Start Job Time: 11:25 Stop Job Time: 11:55

Maintenance Provider: William Baker MP0002079

Baker Service and Maintenance OSSF Systems PS LLC
 15375 Cranes Mill Rd., Canyon Lake, TX 78133
 830-899-2971

Testing and Reporting Record

This Testing and Reporting Record shall be completed, signed, and dated at time of inspection.

Inspection Due Date: 7-13-23 Installed: 3-7-16 Service expires: 1-30-24

Billing Address: SAME

Physical Address:
2615 KANGAROO CT
NEW BRAUNFELS TX 78132
NAN ROGERS

Telephone: 830-743-5118
 Alt. Phone: 830-660-6066

Lot: 117

Permit # ~~106~~ 109690
 County: COMAL
 SN:

Subdivision: HAVENWOOD AT HUNTERS CROSSING

NOTES:

TYPE OF SYSTEM: NO WATER SPRAY SYSTEM

Inspected Item: Operational Inoperative

Aerators SCFM/ Compressors PSI (Record Pressure Reading)	✓	<u>3.6</u>
Filters	✓	
Irrigation Pumps	✓	
Disinfection Device	✓	
Chlorine Supply	✓	
Electrical Circuits	✓	
Distribution System	✓	
Sprayfield Vegetation	✓	
Back Flush Drip Field, if applicable	-	
Other as Noted	-	

Action taken, Repairs or Needed repairs to system (list all components replaced):
CHECKED PLAS + SPRINKLERS
CLEARED FILTER, CHECKED
PSI ON COMPRESSOR
CHECKED FLEC.

SYSTEM OPERATIONAL

Access Lids are Secured Yes No

TESTS REQUIRED AND RESULTS:

	Required		Results Mg/1mpn/100mi or Trace	Test Method
	YES	NO		
BOD (Grab)				
TSS (Grab)	✓		<u>2.90</u>	<u>SLUDGE JUDGE</u>
C1 (Grab)	✓		<u>1.0</u>	<u>STRIP</u>
Fecal Coliform				

Copies of this report have been forwarded to the following: CUSTOMER & COUNTY

Maintenance Technician: DAN NICHOLS MT 0601435

Date of Completion: 7-13-23 Start Job Time: 10:50 Stop Job Time: 11:20

Maintenance Provider: William Baker M0002099