INFORMATION ABOUT ON-SITE SEWER FACILITY

USE OF THIS FORM BY PERSON WHO ARE NOT MEMBERS OF THE TEXAS ASSOCIATION OF REALTORS®, INC, IS NOT AUTHORIZED

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CONCERNING THE PROPERTY AT 1056 Greenbriar Drive, Canyon Lake, Texas 78133

A. DESCRIPTION OF ON-SITE SEWER FACILITY ON PROPERTY:

(1) Type of Treatment System: ☐Septic Tank ☑Aerobic Treatment ☐Unknown

☐ _____

(2) Type of Distribution System: Leach field ☐Unknown

(3) Approximate Location of Drain Field or Distribution System: ☐Unknown

The back yard

(4) Installer: Peter Varhol Construction ☐Unknown

(5) Approximate Age: 4 ☐Unknown

B. MAINTENANCE INFORMATION:

(1) Is Seller aware of any maintenance contract in effect for the on-site sewer facility? ☐Yes ☑No

If yes, name of maintenance contractor: _____

Phone: _____ contract expiration date: _____

(Maintenance contracts must be in effect to operate aerobic treatment and certain non-standard on-site sewer facilities.)

(2) Approximate date any tanks last pumped? 3/3/25

(3) Is Seller aware of any defect or malfunction in the on-site sewer facility? ☐Yes ☑No

If yes, explain: _____

_____

(4) Does Seller have manufacturer or warranty information available for review? ☑Yes ☐No

C. PLANNING MATERIALS, PERMITS, AND CONTRACTS:

(1) The following items concerning the on-site sewer facility are attached:

☐planning materials ☑permit for original installation ☐final inspection when OSSF was installed

☐maintenance contract ☐manufacturer information ☐warranty information

☐ _____

(2) "Planning materials" are the supporting material that describe the on-site sewer facility that are submitted to the permitting authority in order to obtain a permit to instal the on-site sewer facility.

(3) **It may be necessary for a buyer to have the permit to operate an on-site sewer facility transferred to the buyer.**

D. INFORMATION FROM GOVERNMENTAL AGENCIES: Pamphlets describing on-site sewer facilities are available from the Texas Agricultural Extension Service. Information in the following table was obtained from Texas Commission on Environmental Quality (TCEQ) rules in 30 TAC 285.91(3) on 09/05/2025. The table estimates daily wastewater usage rates. Actual water usage data or other methods for calculating may be used if accurate and acceptable to TCEQ.

Facility	Usage (gal/day) without water-saving devices	Usage (gal/day) with water-saving devices
Single family dwelling (1-2 bedrooms; less than 1,500 sf)	225	180
Single family dwelling (3 bedrooms; less than 2,500 sf)	300	240
Single family dwelling (4 bedrooms; less than 3,500 sf)	375	300
Single family dwelling (5 bedrooms; less than 4,500 sf)	450	360
Single family dwelling 6 bedrooms; less than 5,500 sf)	525	420
Mobile home, condo, or townhouse (1-2 bedroom)	225	180
Mobile home, condo, or townhouse (each add'l bedroom)	75	60

This document is not a substitute for any inspections or warranties. This document was completed to the best of Seller's knowledge and belief on the date signed. Seller and real estate agents are not experts about on-site sewer facilities. Buyer is encouraged to have the on-site sewer facility inspected by and inspector of Buyer's choice.

Megan Daniel 11-03-2026
Signature of Seller Date

Taylor Daniel 11-03-2026
Signature of Seller Date

Receipt acknowledged by:

Signature of Buyer Date

Signature of Buyer Date

COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: **12/12/2022** Permit Number: **114327**

Location Description: 1056 GREENBRIAR DR
CANYON LAKE, TX 78133

Subdivision:	TANGLEWOOD SHORES
Unit:	0
Lot:	306
Block:	0
Acreage:	0.0000

Type of System: Aerobic
Drip Irrigation

Issued to: DB BUILDER, LLC

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

James F Cornwell

ENVIRONMENTAL HEALTH INSPECTOR
OS0032485

Assistant
OS0034792

ENVIRONMENTAL HEALTH COORDINATOR

Comal County Environmental Health
OSSF Inspection Sheet

Installer Name: Varhol **OSSF Installer #:** OS0031132

1st Inspection Date: 12/5/22 **2nd Inspection Date:** 12/12/22 **3rd Inspection Date:**

Inspector Name: Connor **Inspector Name:** Connor **Inspector Name:**

Permit#: 114327 **Address:** 1056 GREENBRIAR DR

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	X	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)		X		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	X	285.91(10) 285.30(b)(4) 285.31(d)	sleeve water line	X		
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	X	285.32(a)(1)		X		
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	X	285.32(a)(3)		X		
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	X	285.32(a)(5)		X		
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)				

Inspector Notes: **12/5/22 JC Tank good and operational and ready for cover. Sleeve water line.**
12/12/22 JC Covered. Water line sleeved.

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 SingleTank, 2Compartments Provided withBaffle SEPTIC TANK Inlet Flowline Greater than3" and " T " Provided on Inlet and OutletSEPTIC TANK Septic Tank(s) MeetMinimum 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	X	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)		X		
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 providedSEPTIC 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	X			X		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	X X		Nuwater; per design	X X		
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)(3) 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	X	285.33(c)(3)(A)-(F)		X		
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 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	EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) 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 EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart		285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3) (B)285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F)				
33	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.	X	285.32(c)(1)		X		
34	AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions	X X X X			X X X X		
35	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.						
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
37	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided						
39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried	X			X		

Comal County Environmental Health
OSSF Inspection Sheet

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	X	285.33(d)(2)(G)(iii)(II) 285.33(d)(2)(G)(iii)(III) 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)		X		
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)			X	
42	APPLICATION AREA Area Installed	X			X		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

COMAL COUNTY

ENGINEER'S OFFICE

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

Permit Number:	114327
Issued This Date:	04/13/2022
This permit is hereby given to:	DB BUILDER, LLC

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

1056 GREENBRIAR DR
CANYON LAKE, TX 78133

Subdivision:	TANGLEWOOD SHORES
Unit:	0
Lot:	306
Block:	0
Acreage:	0.0000

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System:	Aerobic
	Drip 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.

RECEIVED
By KG at 2:18 pm, Apr 12, 2022

COMAL COUNTY
ENGINEER'S OFFICE

ON-SITE SEWAGE FACILITY APPLICATION

195 DAVID JONAS DR
NEW BRAUNFELS, TX 78132
(830) 608-2090
WWW.CCEO.ORG

Date April 2, 2022 Permit Number 114327

1. APPLICANT / AGENT INFORMATION

Owner Name	DB BUILDER, LLC	Agent Name	GREG JOHNSON, P.E.
Mailing Address	c/o PO BOX 1905	Agent Address	170 HOLLOW OAK
City, State, Zip	SAN MARCOS TEXAS 78667	City, State, Zip	NEW BRAUNFELS TEXAS 78132
Phone #	956-792-6845	Phone #	830-905-2778
Email	sophie@hccasitas.com	Email	gregjohnsonpe@yahoo.com

2. LOCATION

Subdivision Name TANGLEWOOD SHORES Unit _____ Lot 306 Block _____

Survey Name / Abstract Number _____ Acreage _____

Address 1056 GREENBRIAR DRIVE City CANYON LAKE State TX Zip 78133

3. TYPE OF DEVELOPMENT

☒ Single Family Residential

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

Number of Bedrooms 3

Indicate Sq Ft of Living Area 1458

☐ 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: $ 250,000 (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 ☐ Rainwater Collection

4. SIGNATURE OF OWNER

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. I certify that I am the property owner or I possess the appropriate land rights necessary to make the permitted improvements on said property.
- 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.

Signature of Owner _____ Date 4.5.22

Revised January 2021

* * * 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 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)** 2000

Gallons Per Day (As Per TCEQ Table III) 240

(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

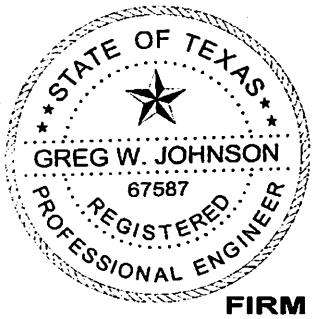
(if yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP)

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

(if yes, the 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 ☒ 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

April 5, 2022
Date

195 David Jonas Dr., New Braunfels, Texas 78132-3760 (830) 608-2090 Fax (830) 608-2078

AFFIDAVIT

THE COUNTY OF COMAL
STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Commission on Environmental Quality Rules for On-Site Sewage Facilities (OSSF's), this document is filed in the Deed Records of Comal County, Texas.

I

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives the commission 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 commission, under the authority of the TWC and the 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 commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission 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 (insert legal description):

_____ UNIT/PHASE/SECTION _____ BLOCK 306 LOT TANGLEWOOD SHORES SUBDIVISION

IF NOT IN SUBDIVISION: _____ ACREAGE _____ SURVEY

The property is owned by (insert owner's full name): DB BUILDER, LLC, a Texas limited liability company

This OSSF must be covered by a continuous maintenance contract for the first two years. After the initial two-year service policy, the owner of an aerobic treatment system for a single family residence shall either obtain a maintenance contract within 30 days or maintain the system personally.

Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from the Comal County Engineer's Office.

WITNESS BY HAND(S) ON THIS 5 DAY OF April ,20 22

x _____
Owner(s) signature(s)

SOPHIE CAMPBELL - MANAGER
Owner (s) Printed name (s)

SOPHIE CAMPBELL SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 5 DAY OF April ,20 22

_____
Notary Public Signature

GREG W. JOHNSON
Notary Public, State of Texas
Comm. Expires 05-17-2022
Notary ID 124218310

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
04/11/2022 09:03:48 AM
CASHONE 1 Pages(s)
202206016667

Bobbie Koepp

WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

Regulatory Authority COMAL
Block Creek Aerobic Services, LLC
444 A Old Hwy #9
Comfort, TX 78013
Off. (830) 995-3189
Fax. (830) 995-4051

2 YEAR CONTRACT
2 YEAR WARRANTY ON PARTS AND LABOR

Permit/License Number _____
Customer DB BUILDER, LLC
Site Address 1056 GREENBRIAR DR
City CANYON LAKE, **Zip** 78133
Mailing Address P.O. BOX 1905, SAN MARCOS, TX 78667
County COMAL **Map #** CCEO 18, D5
Phone 956-792-6845
Email sophie@hccasitas.com

SUBDIVISION/LEGAL: TANGLEWOOD SHORES, LOT 306

I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between DB BUILDER, LLC (hereinafter referred to as "Customer") and Block Creek Aerobic Services, LLC. By this agreement, Block Creek Aerobic Services, LLC and its employees (hereinafter inclusively referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Date:
This Agreement commences on LTO and ends on _____ for a total of two (2) years (initial agreement) or one (1) year (thereafter). If this is an initial agreement (new installation), the Customer shall notify the Contractor within two (2) business days of the system's first use to establish the date of commencement. If no notification is received by Contractor within ninety (90) day::s after completion of installation or where county authority mandates, the date of commencement will be the date the "License to operate" (Notice of Approval) was issued by the permitting authority. This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty.

III. Termination of Agreement:
This Agreement may be terminated by either party for any reason, including for example, substantial failure of either party to perform in accordance with the terms of this Agreement, without fault or liability of the terminating party. The terminating party must provide written notice to the non-terminating party thirty (30) days prior to the termination of this Agreement. If this Agreement is terminated, Contractor will be paid at the rate of $75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days of termination of this Agreement. Either party terminating this Agreement for any reason, including non-renewal, shall notify in writing the equipment manufacturer and the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination. Nonpayment of any kind shall be considered breach of contract and a termination of contract.

IV. Services:
Contractor will:

a. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulation, for a total of three visits to site per year. The list of items checked at each visit shall be the: control panel, Electrical circuits, timer, Aeration including compressor and diffusers, CFM/PSI measured, lids safety pans, pump, compressor, sludge levels, and anything else required as per the manufacturer.

b. Provide a written record of visits to the site by means of an inspection tag attached to or contained in the control panel.

c. Repair or replace, if Contractor has the necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of a routine monitoring visit. If such services are not covered by warranty, and the service(s) cost less than $100.00, Customer hereby authorizes Contractor to perform the service(s) and bill Customer for said service(s). When service costs are greater than $100.00, or if contractor does not have the necessary supplies at the site, Contractor will notify Customer of the required service(s) and the associated cost(s). Customer must notify Contractor of arrangements to affect repair of system with in two (2) business days after said notification.

d. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis (commercial systems only).

e. Forward copies of this Agreement and all reports to the regulatory agency and the Customer.

_____ BS

Customer's Initials

© copyright
all rights reserved

Contractor's Initials

f. Visit site in response to Customer's request for unscheduled services within forty-eight (48) hours of the date of notification (weekends and holidays excluded) of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

V. Disinfection:

X Not required; _____required. The responsibility to maintain the disinfection device(s) and provide any necessary chemicals is that of the Customer.

VI. Electronic Monitoring:

Electronic Monitoring is not included in this Agreement.

VII. Performance of Agreement:

Commencement of performance by Contractor under this Agreement is contingent on the following conditions:

a. If this is an initial Agreement (new installation):

I. Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.

If the above conditions are not met, Contractor is not obligated to perform any portion of this Agreement.

VIII. Customer's Responsibilities:

The customer is responsible for each and all of the following:

a. Provide all necessary yard or lawn maintenance and removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

b. Protect equipment from physical damage including but not limited to that damage caused by insects.

c. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for and OSSF from the State and/or local regulatory agency, whichever requirements are more stringent, as well as the proprietary system's manufacturer recommendations.

d. Notify Contactor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.

e. Provide, upon request by Contractor, water usage records for the OSSF so that the Contractor can perform a proper evaluation of the performance of the OSSF.

f. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section IV (d) above, Customer agrees to pay Contractor for the sample collection and transportation, portal to portal, at a rate of $35.00 per hour, plus the associated fees for laboratory testing.

g. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.

h. Prevent the condensation from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.

i. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contactor, at Customer's expense.

j. Maintain site drainage to prevent adverse effects on the OSSF.

k. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

IX. Access by Contractor:

Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and the proprietary system manufacturer. It is Customers responsibility to keep lids exposed and accessible at all times.

X. Limit of Liability:

Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

XI. Indemnification:

Customer (whether one or more) shall and does hereby agree to indemnify, hold harmless and defend Contractor and each of its successors, assigns, heirs, legal representatives, devisees, employees, agents and/or counsel (collectively "Indemnitees") from and against any and all liabilities, claims, damages, losses, liens, causes of action, suits, fines, judgments and other expenses (including, but not limited to, attorneys' fees and expenses and costs of investigation), of any kind, nature or

_____ BS

Customer's Initials

© copyright
all rights reserved

Contractor's Initials

description, (hereinafter collectively referred to as "Liabilities") arising out of, caused by, or resulting, in whole or in part, from this Agreement.

THIS INDEMNITIFCATION APPLIES EVEN IF SUCH LIABILITIES ARE CAUSED BY THE CONCURRENT OR CONTRIBUTORY NEGLIGENCE OR BY THE STRICT LIABILITY OF ANY INDEMNITEE.

Customer hereby waives its right of recourse as to any Indemnitee when Indemnification applies, and Customer shall require its insurer(s) to waive its/their right of subrogation to the extent such action is required to render such waiver of subrogation effective. Customer shall be subrogated to Indemnitees with respect to all rights Indemnitees may have against third parties with respect to matters as to which Customer provides indemnity and/or defense to Indemnitees. No Indemnification is provided to Indemnitees when the liability or loss results from (1) the sole responsibility of such Indemnitee; or, (2) the willful misconduct of such Indemnitee. Upon irrevocable acceptance of this Indemnification obligation, Customer, in its sole discretion, shall select and pay counsel to defend Indemnitees of and from any action that is subject to this Indemnification provision. Indemnitees hereby covenant not to compromise or settle any claim or cause of action for which Customer has provided Indemnification without the consent of Customer.

XII. Severability:

If any provision of the "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of the "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

XIII. Fee for Services:

The Fee for Services does not include any fees for equipment, material, labor necessary for non-warranty repairs, unscheduled inspections, or Customer requested visits to the site.

XIV. Payment:

Full payment is due upon execution of this Agreement (Required of new Customer). For any other service(s) or repair(s) provided by Contractor the Customer shall pay the invoice(s) for said service(s) or repair(s) within thirty (30) days of the invoice date. The Contractor shall mail all invoices on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a $29.00 late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Contractor may terminate contract at any time for nonpayment for services. Any check returned to Contractor for any reason will be assessed a $30.00 return check fee.

XV. Application or Transfer of payment:

The fees paid for this agreement may be transferred to subsequent property owner(s); however, this Agreement is not transferable. Customer shall advise the subsequent property owner(s) of the State requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be signed and received in Contractor's offices within ten (10) business days of date of transfer of property ownership. Contractor will apply all funds received from Customer first to any past due obligation arising from this Agreement including late fees or penalties, return check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this Agreement. See Section IV.

XVI. Entire Agreement:

This agreement contains the entire Agreement of the parties, and there are no other conditions in any other agreement, oral or written.

Block Creek Aerobic Services, LLC,
Contractor
MC# 0000042 and MC#0000002

Customer Signature

4.5.22
Date

Customer's Initials

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BS

Contractor's Initials

ON-SITE SEWERAGE FACILITY
SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed: **April 04, 2022**

Site Location: **TANGLEWOOD SHORES, LOT 306**

Proposed Excavation Depth: **N/A**

Requirements:

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.
Locations of soil boring or dug pits must be shown on the site drawing.
For subsurface disposal, soil evaluations 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 features on the form. Indicate depths where features appear.

SOIL BORING NUMBER **SURFACE EVALUATION**

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 – 4"	**III**	**CLAY LOAM**	**N/A**	**NONE OBSERVED**	**LIMESTONE @ 4"**	**DRK. BROWN**
1						
2						
3						
4						
5						

SOIL BORING NUMBER **SURFACE EVALUATION**

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0	**SAME**		**AS**		**ABOVE**	
1						
2						
3						
4						
5						

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

Greg W. Johnson, P.E. 67587-F2585, S.E. 11561

04/04/2022
Date

OSSF SOIL EVALUATION REPORT INFORMATION

Date: April 05, 2022

Applicant Information:

Name: DB BUILDER, LLC.
Address: c/o P.O. BOX 1905
City: SAN MARCOS State: TEXAS
Zip Code: 78667 Phone: (956) 792-6845

Site Evaluator Information:

Name: Greg W. Johnson, P.E., R.S, S.E. 11561
Address: 170 Hollow Oak
City: New Braunfels State: Texas
Zip Code: 78132 Phone & Fax (830)905-2778

Property Location:

Lot 306 Unit ___ Blk ___ Subd. TANGLEWOOD SHORES
Street Address: 1056 GREENBRIAR DRIVE
City: CANYON LAKE Zip Code: 78133
Additional Info.: _____

Installer Information:

Name: _____
Company: _____
Address: _____
City: _____ State: _____
Zip Code: _____ Phone _____

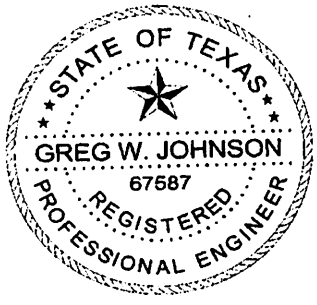
Topography: Slope within proposed disposal area: 3 %

Presence of 100 yr. Flood Zone:	YES ___ NO X
Existing or proposed water well in nearby area.	YES ___ NO X
Presence of adjacent ponds, streams, water impoundments	YES ___ NO X
Presence of upper water shed	YES ___ NO X
Organized sewage service available to lot	YES ___ NO X

I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 29, 2016).

GREG W. JOHNSON, P.E. 67587 - S.E. 11561

04/05/2022
DATE



FIRM #2585

AEROBIC TREATMENT
DRIP TUBING SYSTEM
DESIGNED FOR:
DB BUILDER, LLC
P.O. BOX 1905
SAN MARCOS, TX 78667

SITE DESCRIPTION:

Located in Tanglewood Shores, Lot 306 at 1056 Greenbriar Drive, the proposed system will serve a three bedroom residence (1458sf.) situated in an area with shallow Type III soil as described in the Soil Evaluation Report. Native grasses and oak trees were found throughout this property. An aerobic treatment plant utilizing drip irrigation was chosen as the most appropriate system to serve the conditions on this lot.

PROPOSED SYSTEM:

A 3-inch SCH-40 pipe discharges from the residence into a NuWater B-550 600gpd aerobic plant containing a 353-gallon pretreatment tank, an aerobic treatment plant, and a 768-gallon pump chamber containing a submersible (Franklin C1 20XC1-05P4-W115) well pump. The well pump is activated by a time controller allowing the distribution ten times per day with an 8 minute run time with float setting at 240 gallons. A high level audible and visual alarm will activate should the pump fail. Distribution is through a self flushing 100 micron disc filter (Arkal) then through a 1" SCH-40 manifold to a 2000 sf. drip tubing field, with ***Netifim Bioline*** drip lines set approximately two feet apart with ***0.61 gph*** emitters set every two feet, as per the attached schematic. A pressure regulator PMR-MF 30psi installed in the pump tank on the manifold to the field will maintain pressure at 30 psi. A 1" SCH-40 return line is installed to periodically flush the system by cycling a 1" ball valve. Solids caught in the disc filter are continuously flushed each cycle back to the pump tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. Field area will be scarified and built up with 8" of Type II or Type III soil, then the drip tubing will be laid and capped with 6" of Type II or Type III soil ***(NOT SAND)***. The field area will be sodded with grass prior to system startup. **Tank must have at grade risers on each opening with watertight caps that must be at least 65# or have a padlock or can only be removed with tools. A secondary plug, cap, or suitable restraint must be provided below riser cap to prevent tank entry should the cap be damaged or removed, in compliance with Chapter §285.38.**

DESIGN SPECIFICATIONS:

Daily waste flow: 240 GPD Table III
Pretreatment tank size: 353 Gal
Plant Size: NuWater B550 600gpd (TCEQ Approved)

Pump tank size: 768 Gal
Reserve capacity after High Level: 80 Gal (1/3 day Req'd)
Application Rate: Ra = 0.2 gal/sf
Total absorption area: Q/Ra = 240 GPD/0.20 = 1200 sf. (Actual 2000 sf.)
Total linear feet drip tubing: 1000' ***Netifim Bioline*** drip tubing .61 GPH
Pump requirement: 500 emitters @ .61 gph @ 30 psi = 5.0833gpm
Pump Requirement (cont.): Franklin C1 20XC1-05P4-W115 submersible well pump
MINIMUM SCOUR VELOCITY (**MSV**) > 2 FPS
IN DRIP TUBING W/ NOM. DIA. 0.55" ID

MSV = 2 FPS (Πd↑2)/4*7.48 gal/cf*60 sec/min
MSV = 2(3.14159((.55/12)↑2)/4)*7.48*60
MSV = 1.5 gpm PER LINE * 2 LINES = 3 GPM MIN FLOW RATE

IN RETURN MANIFOLD W/ NOM. DIA 1.049" ID

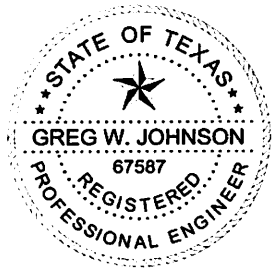
MSV = 2 FPS (Πd↑2)/4*7.48 gal/cf*60 sec/min
MSV = 2(3.14159((1.049/12)↑2)/4)*7.48*60
MSV = 5.4 GPM

PIPE AND FITTINGS:
All pipes and fittings in this drip tubing system shall be 1" schedule 40 PVC. All joints shall be sealed with approved solvent-type PVC cement. Clipper type cutters are recommended to prevent PVC burrs during cutting of pipes causing possible plugging.

Designed in accordance with Chapter 285, Subchapter D, §285.30 and §285.40 Texas Commission On Environmental Quality. (Effective December 29,2016)

04/04/2022

Greg W. Johnson, P.E. No. 67587 / F-2585
170 Hollow Oak
New Braunfels, Texas 78132
830/905-2778



#114327

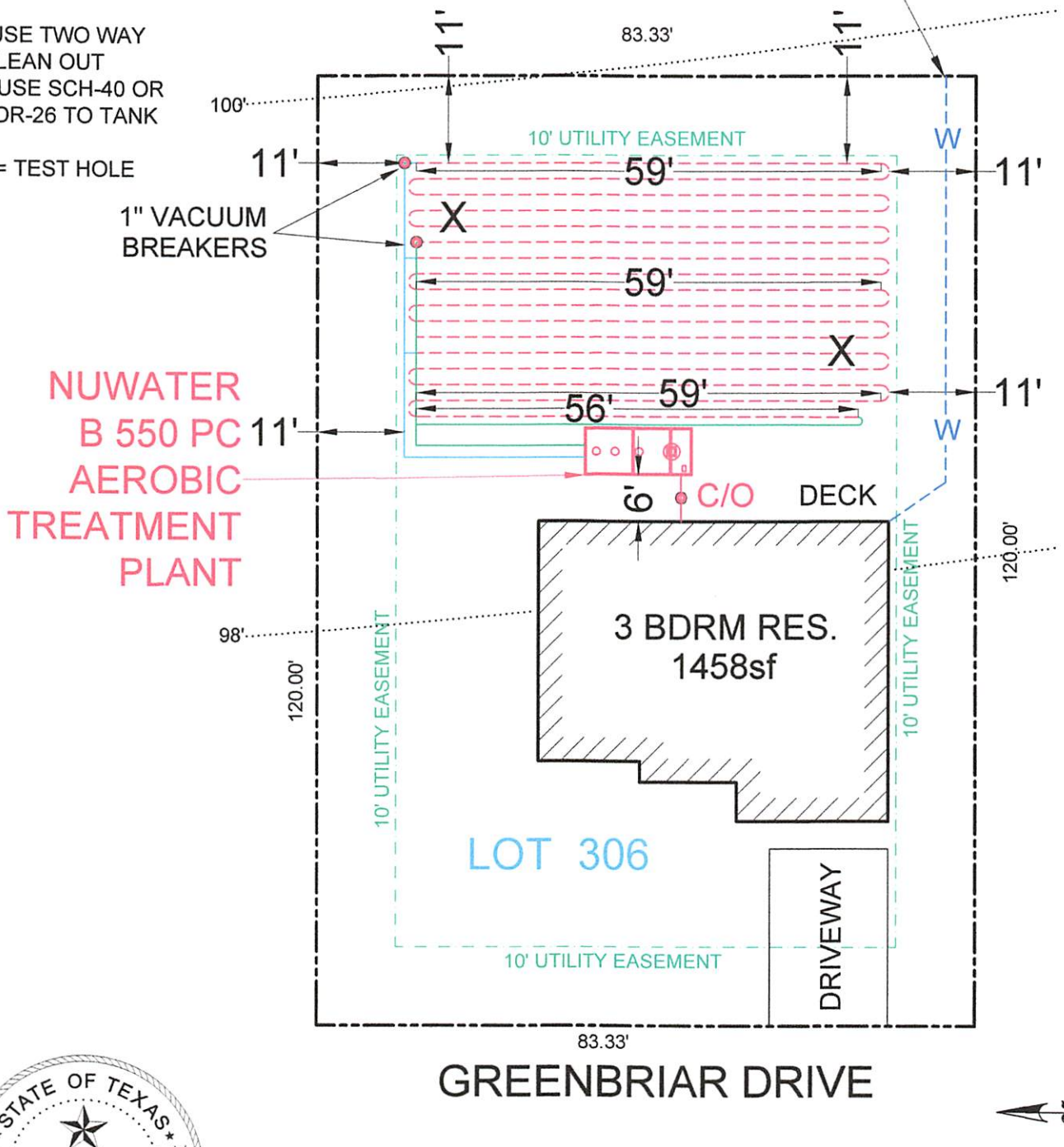
REVISED
1:17 pm, Nov 30, 2022

INSTALL 2000sf OF FIELD USING 1000' OF DRIP TUBING. THERE SHALL BE NO PARKING, DRIVING OR STORAGE ON THE SEPTIC FIELD AT ANY TIME FOR ANY REASON.

SLEEVE WATER LINE WITH 2"-SCH-40 PVC PIPE WHEN ENTERING CLOSER THAN 10' FROM SEPTIC SYSTEM OR SEPTIC FIELD WHICH EXCEEDS TAC 30 CHAPTER 290.44(e)(B)(i).

*USE TWO WAY CLEAN OUT
**USE SCH-40 OR SDR-26 TO TANK

X= TEST HOLE



GREENBRIAR DRIVE

N

STATE OF TEXAS
GREG W. JOHNSON
67587
REGISTERED
PROFESSIONAL ENGINEER

OWNER: DB BUILDER, LLC.				DRAWN BY: EJS III	
STREET ADDRESS: 1056 GREENBRIAR DRIVE					
LEGAL DESC: TANGLEWOOD SHORES		UNIT/SECTION/PHASE:	BLOCK:	LOT: 306	
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=20'	DATE: 4/5/2022	REVISED: 11/30/2022		

TANK NOTES:

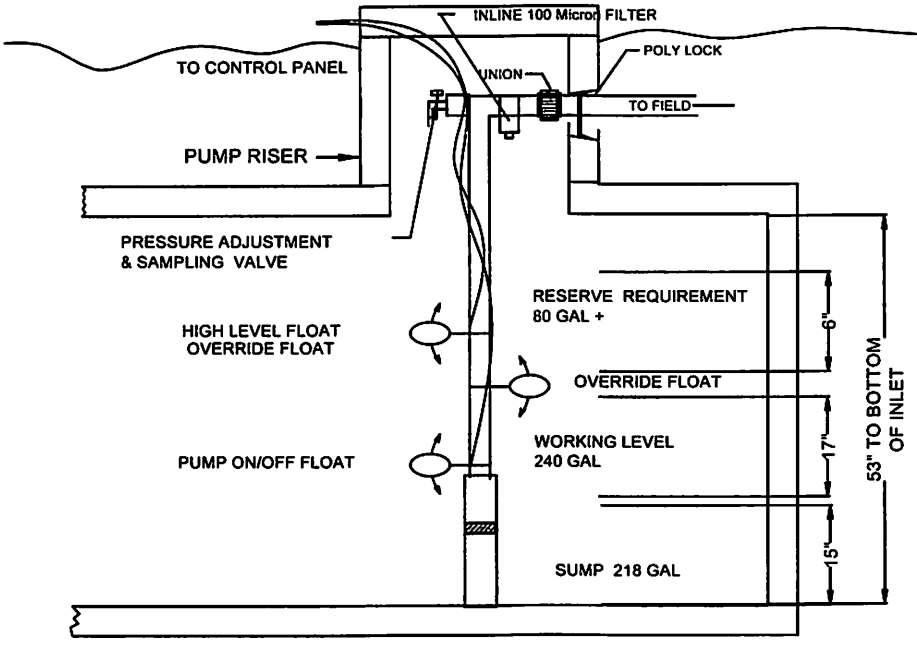
Tanks must be set to allow a minimum of 1/8" per foot fall from the residence.

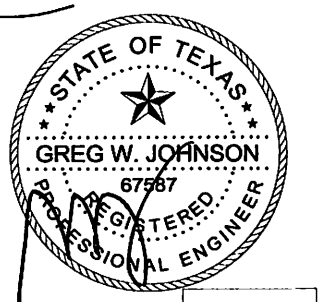
Tightlines to the tank shall be SCH-40 PVC.

A two way sanitary tee is required between residence and tank.

A minimum of 4" of sand, sandy loam, clay loam free of rock shall be placed under and around tanks

ALL WIRING MUST BE IN COMPLIANCE WITH
THE MOST RECENT NATIONAL ELECTRIC CODE





F-2585
04/05/2022

TYPICAL PUMP TANK CONFIGURATION
NU-WATER 550PC -400PT 768 GAL PUMP TANK

Arkal 1" Super Filter

Catalog No. 1102 0_ _ _

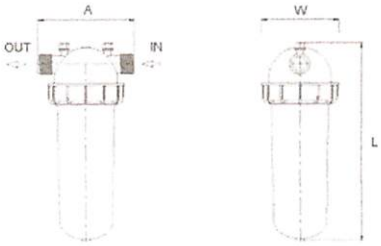


Features

- A "T" shaped filter with two 1" male threads.
- A "T" volume filter for in-line installation on 1" pipelines.
- The filter prevents clogging due to its enlarged filtering area that collects sediments and particles.
- Manufactured entirely from fiber reinforced plastic.
- A cylindrical column of grooved discs constitutes the filter element.
- Spring keeps the discs compressed.
- Screw-on filter cover.
- Filter discs are available in various filtration grades.

Technical Data

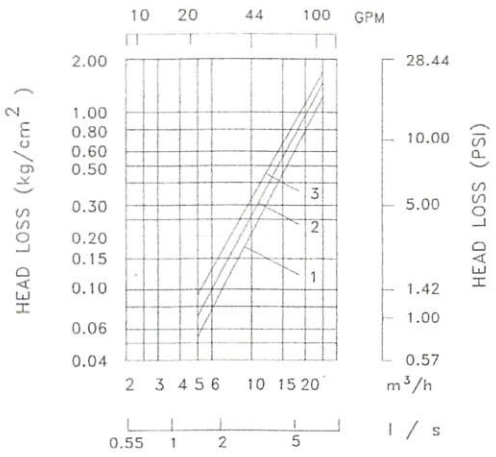
Inlet/outlet diameter	1" BSPT (male) 25.0 mm – nominal diameter 33.6 mm – pipe diameter (O. D.)	1" NPT (male)
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m^3/h (1.7 l/sec)	35 gpm
General filtration area	500 cm^2	77.5 in^2
Filtration volume	600 cm^3	37 in^3
Filter length L	340 mm	13 13/32"
Filter width W	130 mm	5 3/32"
Distance between end connections A	158 mm	6 7/32"
Weight	1.420 kg	3.13 lbs.
Maximum temperature	70° C	158 °F
pH	5-11	5-11



Filtration Grades

Blue (400 micron / 40 mesh)
Yellow (200 micron / 80 mesh)
Red (130 micron / 120 mesh)
Black (100 micron /140 mesh)
Green (55 micron)

Head Loss Chart



Disc filter, irrigation systems, irrigationglobal.com

PMR-MF

PRESSURE-MASTER REGULATOR - MEDIUM FLOW

Specifications

The pressure regulator shall be capable of operating at a constant, factory preset, non-adjustable outlet pressure of 6, 10, 12, 15, 20, 25, 30, 35, 40, 50, or 60 PSI (0.41, 0.69, 0.83, 1.03, 1.38, 1.72, 2.07, 2.41, 2.76, 3.45, or 4.14 bar) with a flow range between:

4 - 16 GPM (909 - 3634 L/hr) for 6 - 10 PSI models or
2 - 20 GPM (454 - 4542 L/hr) for 12 - 60 PSI models.

The pressure regulator shall maintain the nominal pressure at a minimum of 5 PSI (0.34 bar) above model inlet pressure and a maximum of 80 PSI (5.52 bar) above nominal model pressure*. Refer to the PRU performance curve to establish specific outlet pressures based on relative inlet pressure and flow rate. Always install downstream from all shut off valves. Recommended for outdoor use only. Not NSF certified.

All pressure regulator models shall be equipped with one of these inlet-x-outlet configurations:

Inlet	Outlet
¾-inch Female National Pipe Thread (FNPT)	¾-inch Female National Pipe Thread (FNPT)
1-inch Female National Pipe Thread (FNPT)	1-inch Female National Pipe Thread (FNPT)
1-inch Female British Standard Pipe Thread (FBSPT)	1-inch Female British Standard Pipe Thread (FBSPT)

The upper housing, lower housing, and internal molded parts shall be of engineering-grade thermoplastics with internal elastomeric seals and a reinforced elastomeric diaphragm. Regulation shall be accomplished by a fixed stainless steel compression spring, which shall be enclosed in a chamber isolated from the normal water passage.

Outlet pressure and flow shall be clearly marked on each regulator.

The pressure regulator shall carry a two-year manufacturer's warranty on materials, workmanship, and performance. Each pressure regulator shall be water tested for accuracy before departing the manufacturing facility.

The pressure regulator shall be manufactured by Senninger Irrigation in Clermont, Florida. Senninger is a Hunter Industries Company.

Physical

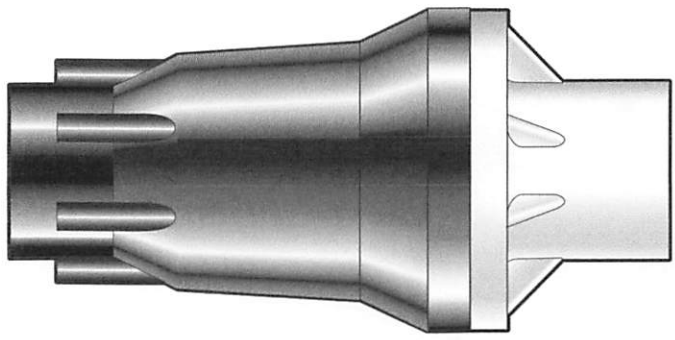
3/4" FNPT x 3/4" FNPT model *(shown on right)*

Overall Length	5.2 inches (13.1 cm)
Overall Width	2.5 inches (6.4 cm)

1" FNPT x 1" FNPT model

1" FBSPT x 1" FBSPT model

Overall Length	5.8 inches (14.6 cm)
Overall Width	2.5 inches (6.4 cm)



* Please consult factory for applications outside of recommended guidelines.

PMR-MF

PRESSURE-MASTER REGULATOR - MEDIUM FLOW

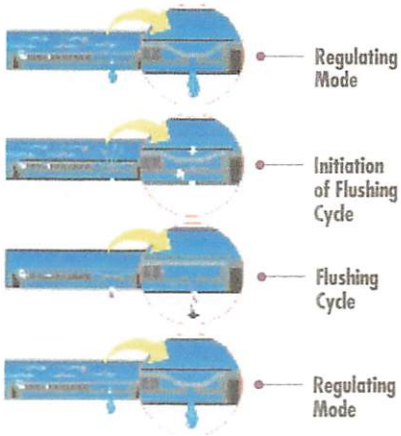
Model Numbers

Model #	Flow Range	Preset Operating Pressure	Maximum Inlet Pressure
PMR-6 MF	4 - 16 GPM (909 - 3634 L/hr)	6 PSI (0.41 bar)	80 psi (5.51 bar)
PMR-10 MF	4 - 16 GPM (909 - 3634 L/hr)	10 PSI (0.69 bar)	90 psi (6.20 bar)
PMR-12 MF	2 - 20 GPM (454 - 4542 L/hr)	12 PSI (0.83 bar)	90 psi (6.20 bar)
PMR-15 MF	2 - 20 GPM (454 - 4542 L/hr)	15 PSI (1.03 bar)	95 psi (6.55 bar)
PMR-20 MF	2 - 20 GPM (454 - 4542 L/hr)	20 PSI (1.38 bar)	100 psi (6.89 bar)
PMR-25 MF	2 - 20 GPM (454 - 4542 L/hr)	25 PSI (1.72 bar)	105 psi (7.24 bar)
PMR-30 MF	2 - 20 GPM (454 - 4542 L/hr)	30 PSI (2.07 bar)	110 psi (7.58 bar)
PMR-35 MF	2 - 20 GPM (454 - 4542 L/hr)	35 PSI (2.41 bar)	115 psi (7.93 bar)
PMR-40 MF	2 - 20 GPM (454 - 4542 L/hr)	40 PSI (2.76 bar)	120 psi (8.27 bar)
PMR-50 MF	2 - 20 GPM (454 - 4542 L/hr)	50 PSI (3.45 bar)	130 psi (8.96 bar)
PMR-60 MF	2 - 20 GPM (454 - 4542 L/hr)	60 PSI (4.14 bar)	140 psi (9.65 bar)

NETAFIM™
Bioline® Dripperline

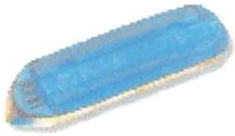


Pressure Compensating Dripperline for Wastewater



BioLine's Self-Cleaning, Pressure Compensating Dripper is a fully self-contained unit molded to the interior wall of the dripper tubing.

As shown at left, BioLine is continuously self-cleaning during operation, not just at the beginning and end of a cycle. The result is dependable, clog free operation, year after year.



Product Advantages

The Proven Performer

- Tens of millions of feet used in wastewater today.
- Bioline is permitted in every state allowing drip disposal.
- Backed by the largest, most quality-driven manufacturer of drip products in the U.S.
- Preferred choice of major wastewater designers and regulators.
- Proven track record of success for many years of hard use in wastewater applications.

Quality Manufacturing with Specifications Designed to Meet Your Needs

- Pressure compensating drippers assure the highest application uniformity - even on sloped or rolling terrain.
- Excellent uniformity with runs of 400 feet or more - reducing installation costs.
- Highest quality-control standards in the industry: Cv of 0.25 (coefficient of manufacturer's variation).
- A selection of flows and spacings to satisfy the designer's demand for almost any application rate.

Long-Term Reliability

- Protection against plugging:
  - Dripper inlet raised 0.27" above wall of tubing to prevent sediment from entering dripper.
  - Drippers impregnated with Vinyzene to prevent buildup of microbial slime.
  - Unique self-flushing mechanism passes small particles before they can build up.

Cross Section of Bioline Dripperline



Root Safe

- A physical barrier on each BioLine dripper helps prevent root intrusion.
- Protection never wears out - never depletes - releases nothing to the environment.
- Working reliably for up to 15 years in subsurface wastewater installations.
- Additional security of chemical root inhibition with Techfilter - supplies Trifluralin to the entire system, effectively inhibiting root growth to the dripper outlets.



Applications

- For domestic strength wastewater disposal.
- Installed following a treatment process.
- Can be successfully used on straight septic effluent with proper design, filtration and operation.
- Suitable for reuse applications using municipally treated effluent designated for irrigation water.

Specifications

Wall thickness (mil): 45*

Nominal flow rates (GPH): .4, .6, .9*

Common spacings: 12", 18", 24"*

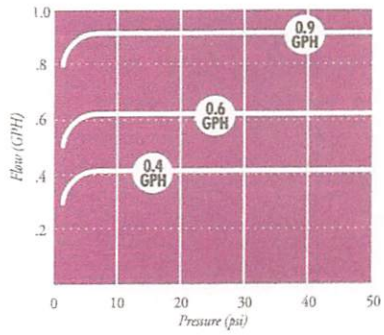
Recommended filtration: 120 mesh

Inside diameter: .570*

Color: Purple tubing indicates non-potable source

*Additional flows, spacings, and pipe sizes available by request. Please contact Netafim USA Customer Service for details.

BIOLINE Flow Rate vs. Pressure



NETAFIM™

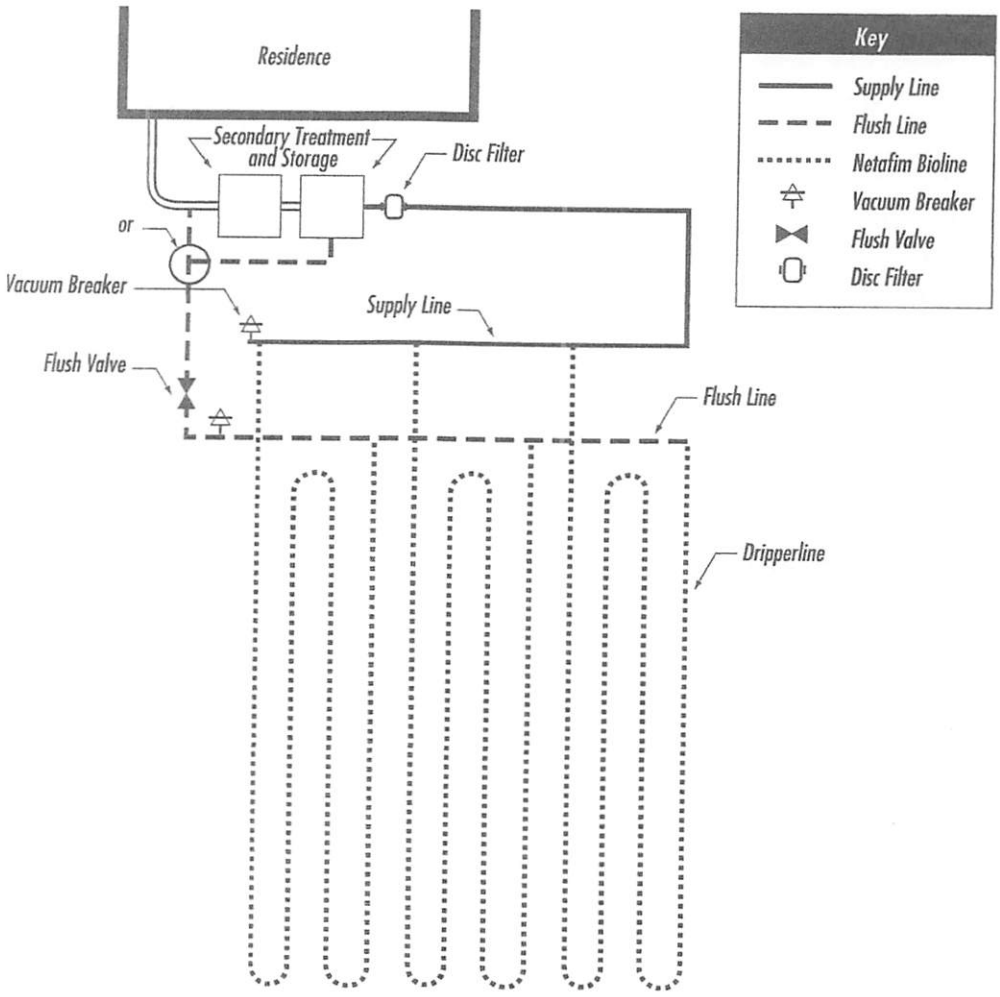
NETAFIM USA
5470 E. Home Ave. • Fresno, CA 93727
888.638.2346 • 559.453.6800
FAX 800.695.4753
www.netafimusa.com

SAMPLE DESIGNS

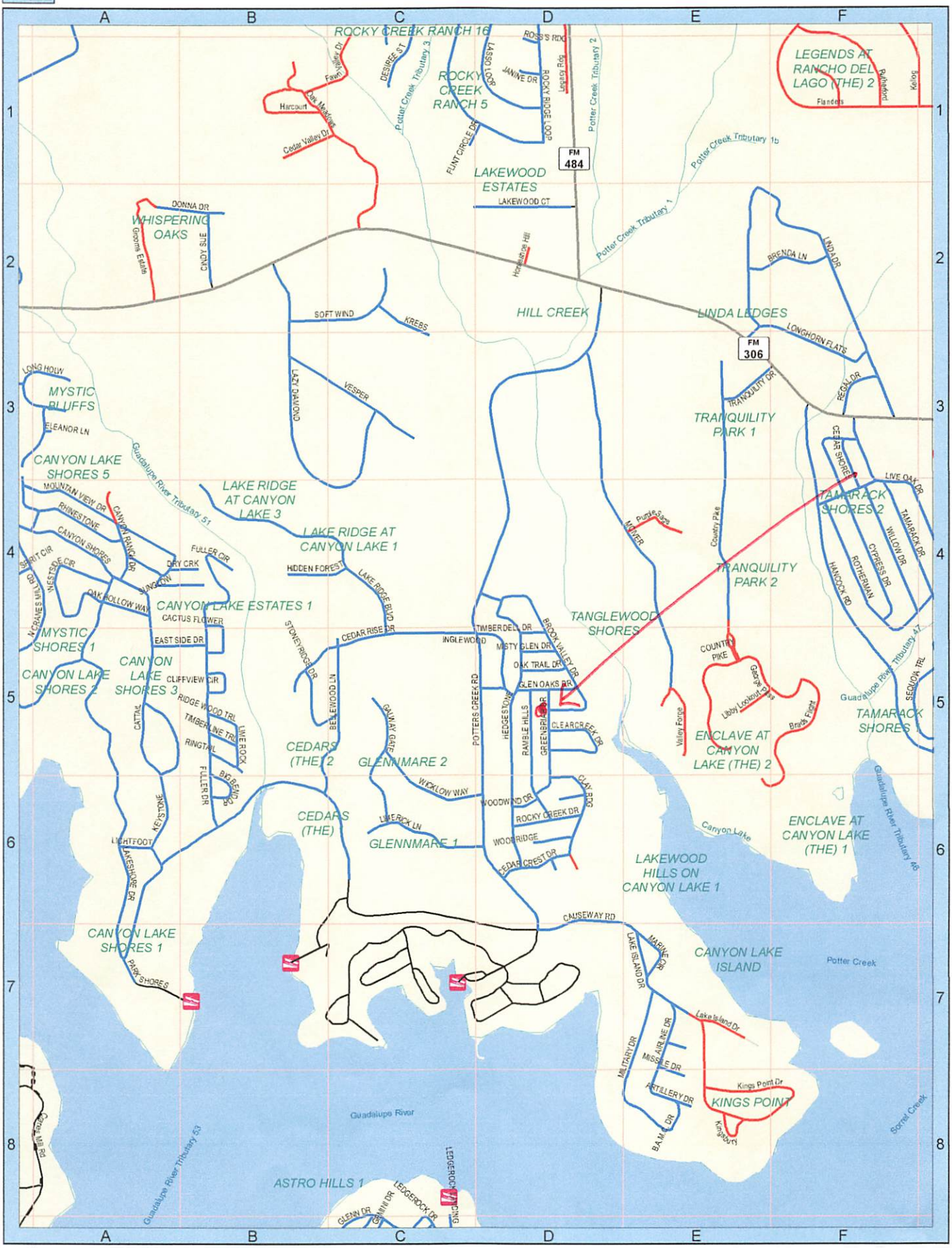
SINGLE TRENCH LAYOUT

Rectangular field with supply and flush manifold on same side and in same trench;

- Locate supply and flush manifold in same trench
- Dripperlines are looped at the end opposite the supply and flush manifolds
- The longest Bioline length should not exceed 400 ft. Drip fields 200 ft. in length might loop the Bioline once; drip dispersal fields under 100 ft. might be looped twice, as illustrated



SEE PAGE 11



SEE PAGE 19

SEE PAGE 29

N W E S

0 1,250 2,500
Feet

0 0.25 0.5
Miles

Produced by the Comal County Engineer's Office - 10/1/2021

From: Ritzen, Brenda
To: "Greg Johnson"
Cc: dennis pvc@gmail. com
Subject: RE: 1056 Greenbriar Drive - DB Builder #114327
Date: Wednesday, November 30, 2022 1:18:00 PM
Attachments: image001.png

Greg,

The permit file has been updated.

Thank you,

Brenda Ritzen
Environmental Health Coordinator
195 David Jonas Dr.
New Braunfels, TX 78132
DR:OS00007722
830-608-2090
www.cceo.org

From: Greg Johnson <gregjohnsonpe@yahoo.com>
Sent: Wednesday, November 30, 2022 11:35 AM
To: Ritzen, Brenda <rabbjr@co.comal.tx.us>
Cc: dennis pvc@gmail. com <dennis.pvc@gmail.com>
Subject: 1056 Greenbriar Drive - DB Builder #114327

This email originated from outside of the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.
- Comal IT

Revised.
Thx,
Greg

Send for Greg W. Johnson, P.E.,R.S.)

170 Hollow Oak

New Braunfels, TX 78132

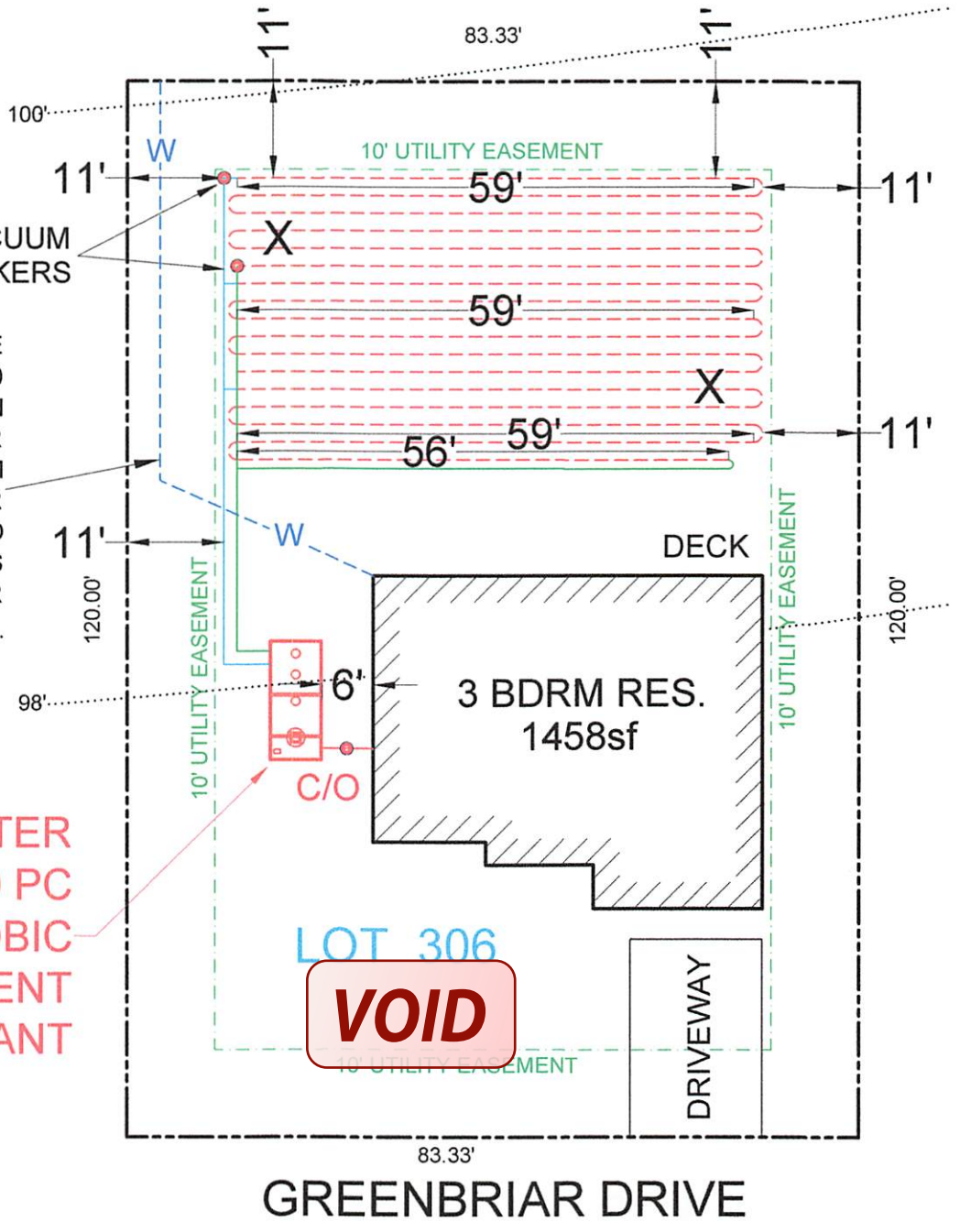
INSTALL 2000sf OF FIELD USING 1000' OF DRIP TUBING. THERE SHALL BE NO PARKING, DRIVING OR STORAGE ON THE SEPTIC FIELD AT ANY TIME FOR ANY REASON.

*USE TWO WAY CLEAN OUT
**USE SCH-40 OR SDR-26 TO TANK

X= TEST HOLE

SLEEVE WATER LINE WITH 2"-SCH-40 PVC PIPE WHEN ENTERING CLOSER THAN 10' FROM SEPTIC SYSTEM OR SEPTIC FIELD WHICH EXCEEDS TAC 30 CHAPTER 290.44(e)(B)(i).

VOID



STATE OF TEXAS
GREG W. JOHNSON
87587
REGISTERED
PROFESSIONAL ENGINEER

OWNER: DB BUILDER, LLC.				DRAWN BY: EJS III
STREET ADDRESS: 1056 GREENBRIAR DRIVE				
LEGAL DESC: TANGLEWOOD SHORES	UNIT/SECTION/PHASE:	BLOCK:	LOT: 306	
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=20'	DATE: 4/5/2022	REVISED:	

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

Date: October 12, 2021

Grantor: JERRY L. HILBURN and KATHY S. HILBURN, husband and wife

Grantor's Mailing Address: 1405 Ponderosa Drive, New Braunfels, TX 78132

Grantee: DB BUILDER, LLC, a Texas limited liability company

Grantee's Mailing Address, and after Recording, Return to: 120 Comal Peak, Bulverde, TX 78132

Consideration: Cash and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

Property (including any improvements):

Lot 306 of TANGLEWOOD SHORES SUBDIVISION ON CANYON LAKE, Comal County, Texas, according to the map or plat thereof recorded in Volume 4, Page 63 of the Map or Plat Records, Comal County, Texas.

Reservations from Conveyance: None

Exceptions to Conveyance and Warranty: Validly existing easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2021, which Grantee assumes and agrees to pay, but not subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantor assumes.

Grantor, for the Consideration and subject to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty, grants, sells, and conveys to Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's heirs, successors, and assigns forever. Grantor binds Grantor and Grantor's heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's heirs, successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty.

The Contract between Grantor as the Seller and Grantee as the Buyer, if any, may contain limitations as to warranty or other agreed matters; to the extent that such Contract provides for limitations or other agreed matters that will survive the closing and this conveyance, then such limitations or other agreed matters are hereby deemed incorporated by reference. The warranty of title contained in this Deed is hereby expressly excluded from the limitations or other agreed matters referenced in this paragraph.

When the context requires, singular nouns and pronouns include the plural.

JERRY L. HILBURN

KATHY S. HILBURN

STATE OF TEXAS)

COUNTY OF Comal)

This instrument was acknowledged before me on October 12, 2021 by JERRY L. HILBURN and KATHY S. HILBURN.

DORA ZAMORA
Notary Public, State of Texas
Comm. Expires 11-14-2021
Notary ID 10607042

Notary Public, State of Texas

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
10/12/2021 03:12:00 PM
TERRI 2 Pages(s)
202106053362

Bobbie Koepp

UNOFFICIAL

RECEIVED
By KG at 2:18 pm, Apr 12, 2022

COMAL COUNTY
ENGINEER'S OFFICE

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

Date Received	Initials	Permit Number
		114327

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 - See Attached Fee Schedule
- ☒ Copy of Recorded Deed
- ☒ Surface Application/Aerobic Treatment System
  - ☒ Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public
  - ☒ Signed Maintenance Contract with Effective Date as Issuance of License to Operate

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



Signature of Applicant

4/11/2022

Date

___ COMPLETE APPLICATION

Check No._____ Receipt No._____

INCOMPLETE APPLICATION
___ (Missing Items Circled, Application Refeused)

Revised: September 2019

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

Printed:4/20/2023 Insp ID #:139412

Phone: (830) 995-3189
Fax: (830) 995-4051

To: Home Owner
1056 Greenbriar Dr
Canyon Lake, TX 78133

Permit #: **114327**

Main Phone:
Work:
Cell Phone:
Alt Cell:
Customer ID: 8346
Contract Dates: 12/13/2022 - 12/13/2024
Scheduled Date: 4/13/2023 Inspection 1 of 6
Installed: 11/16/2022
Warranty End: 11/16/2024

Agency: Comal County
County: Comal
Mfg / Brand: Advantage Wastewater LLC - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 57263
Disposal: Surface Application

GPS Coordinates: Latitude: 29.91817 Longitude: -98.26288

Service Type: Scheduled Inspection
Visit Date: 4/20/2023 Time In: Out: 1247
Method: Grab
Technician: Trenton L Soldan
Maint. Provider: Rudy Carson

☑ This counts as a type of "Scheduled Inspection"
Entered By: Trenton L Soldan

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: .4

Sludge Levels
For Tank 1: 10"
For Tank 2: 0"
For Tank 3: 0"

Floats: OP
Timer: OP

Air Filter: Good

Turbidity: Good

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Tank Lid / Riser: Secured

Color: Good
Odor: Good

Alarm: Operational

Comments

☑ **Service Completed**

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - Cleaned drip filter and back flushed drip filed - Scum in pretreatment is 0".

Site: 1056 Greenbriar Dr, Canyon Lake, TX 78133

Provider: Rudy Carson
License Info: MP0002036 Expires: 11/30/2025

Technician: ***Trenton L Soldan***
License Info: MT0002287 Expires: 3/31/2025

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

Phone: (830) 995-3189
Fax: (830) 995-4051

To: Jacob Mistric
1056 Greenbriar Dr
Canyon Lake, TX 78133

Printed:10/2/2023
Insp ID #:146635

Main Phone: (512) 269-1314
Work:
Cell Phone:
Alt Cell:

Permit #: **114327**
Agency: Comal County
County: Comal
Mfg / Brand: Advantage Wastewater LLC - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 57263
Disposal: Surface Application

Customer ID: 8346
Contract Dates: 12/13/2022 - 12/13/2024
Scheduled Date: 8/13/2023 Inspection 2 of 6
Installed: 11/16/2022
Warranty End: 11/16/2024
GPS Coordinates: Latitude: 29.91817 Longitude: -98.26288

Service Type: Scheduled Inspection
Visit Date: 10/2/2023 Out: 10:18
Method: Grab
Technician: Landon Gronvold
Maint. Provider: Rudy Carson

☑ This counts as a type of "Scheduled Inspection"
Entered By: Landon Gronvold

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: .4

Sludge Levels
For Tank 1: 18"
For Tank 2: 0"
For Tank 3: 0"

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Tank Lid / Riser: Secured

Alarm: Operational

Comments

☑ **Service Completed**

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - Scum in pretreatment is - 3". Cleaned drip filter and back flushed drip filed. System is working good.

Site: 1056 Greenbriar Dr, Canyon Lake, TX 78133

License Info: MP0002036 Expires: 11/30/2025

License Info: MT0001995 Expires: 10/31/2023

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

Printed:12/20/2023 Insp ID #:151177

Phone: (830) 995-3189
Fax: (830) 995-4051

Permit #: **114327**

To: Jacob Mistric
1056 Greenbriar Dr
Canyon Lake, TX 78133

Main Phone: (512) 269-1314
Work:
Cell Phone:
Alt Cell:
Customer ID: 8346
Contract Dates: 12/13/2022 - 12/13/2024
Scheduled Date: 12/13/2023 Inspection 3 of 6
Installed: 11/16/2022
Warranty End: 11/16/2024

Agency: Comal County
County: Comal
Mfg / Brand: Advantage Wastewater LLC - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 57263
Disposal: Surface Application

GPS Coordinates: Latitude: 29.91817 Longitude: -98.26288

Service Type: Scheduled Inspection
Visit Date: 12/20/2023 Out: 10:41
Method: Grab
Technician: Alejandro Gonzalez
Maint. Provider: Rudy Carson

☑ This counts as a type of "Scheduled Inspection"
Entered By: Trenton L Soldan

Sludge Levels
For Tank 1: N/A
For Tank 2: N/A
For Tank 3: N/A

Chlorine Residual: N/A

Comments
New homeowners need new contact information gate is locked unable to inspect, Please call office for more information

☑ **Service Completed**

Site: 1056 Greenbriar Dr, Canyon Lake, TX 78133

Provider: Rudy Carson
License Info: MP0002036 Expires: 11/30/2025

Technician: Alejandro Gonzalez
License Info: MT0000996 Expires: 1/31/2025

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

Phone: (830) 995-3189
Fax: (830) 995-4051

To: Jacob Mistric
1056 Greenbriar Dr
Canyon Lake, TX 78133

Printed:12/27/2023
Insp ID #:148875

Main Phone: (512) 269-1314
Work:
Cell Phone:
Alt Cell:

Permit #: **114327**
Agency: Comal County
County: Comal
Mfg / Brand: Advantage Wastewater LLC - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 57263
Disposal: Surface Application

Customer ID: 8346
Contract Dates: 12/13/2022 - 12/13/2024
Scheduled Date: 12/13/2023
Installed: 11/16/2022
Warranty End: 11/16/2024
GPS Coordinates: Latitude: 29.91817 Longitude: -98.26288

Service Type: Customer Request
Visit Date: 12/27/2023
Method: Grab
Technician: Dalton James Vann
Maint. Provider: Rudy Carson

Out: 205

Entered By: Dalton James Vann

Tank Lid / Riser: Declined

Comments

☑ **Service Completed**

- Customer Declined technician request to secure the tank lid. -Unable to inspect, gate in locked and dog loose. Here for a reinspect, called cust twice, asked office to call cust, no answer on any calls, left voicemail on first call on way to house.

Site: 1056 Greenbriar Dr, Canyon Lake, TX 78133

Provider: Rudy Carson
License Info: MP0002036 Expires: 11/30/2025

Technician: *Dalton James Vann*
License Info: MT0001113 Expires: 2/28/2025

Block Creek Aerobic Services, LLC

444 A Old Hwy No 9
Comfort, TX 78013

(830) 995-3189

Printed:3/19/2024

Permit: 114327

Site: 1056 Greenbriar Dr, Canyon Lake, TX 78133
Main Phone: 5127408940

megan & Taylor Daniel
1056 Greenbriar Dr
Canyon Lake, TX 78133

Agency: Comal County
County: Comal

System Info: MFG: Advantage Wastewater LLC Brand: Nu Water
Treatment Type: Aerobic With Chlorine Disposal Type: Surface Application
Installed: 11/16/2022 Warranty Expiration: 11/16/2024 System S/N: 57263
Customer ID: 8346
Insp ID: 155965

Visit Details

Visit Date: 3/19/2024 **Entered By:** Kaleb Hernandez
Scheduled Date: 4/13/2024 Time In: 1230 Contract Starts: 12/13/2022
Entered On: 3/19/2024 Time Out: 1251 Contract Ends: 12/13/2024
GPS Lat: 29.91817 GPS Long: -98.26288

Visit Results

Service Type: Scheduled Inspection
Count: Inspection 4 of 6
Method: Grab

	License #	Expires
Technician: Kaleb Hernandez	MT0002671	1/31/2027
Provider: Rudy Carson	MP0002036	11/30/2025

☑ Service Completed

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: 1

Sludge Level Tank 1: 6"
Sludge Level Tank 2: 14"
Sludge Level Tank 3: 0"

Turbidity: Good

Air Filter: Good

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Drip/Sprayfield Veg: Operational

Color: Good
Odor: Good

Alarm: Operational

Comments

- Scum in pretreatment is 1" - Cleaned compressor filter - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned drip filter and back flushed drip field
Office (Switch system from spray to drip application.

Provider: *Rudy Carson*
License: Number: MP0002036 Exp: 11/30/2025

Technician: Kaleb Hernandez
License: Number: MT0002671 Exp: 1/31/2027

Block Creek Aerobic Services, LLC

444 A Old Hwy No 9
Comfort, TX 78013

(830) 995-3189

Printed:8/27/2024

Permit: 114327

Site: 1056 Greenbriar Dr, Canyon Lake, TX 78133
Main Phone: 5127408940
Cell Phone: 5127408940

Megan & Taylor Daniel
1056 Greenbriar Dr
Canyon Lake, TX 78133

Agency: Comal County
County: Comal

System Info: MFG: Advantage Wastewater LLC Brand: Nu Water
Treatment Type: Aerobic With Chlorine Disposal Type: Drip Emitters
Installed: 11/16/2022 Warranty Expiration: 11/16/2024
System S/N: 57263
Customer ID: 8346
Insp ID: 162467

Visit Details

Visit Date: 8/27/2024 **Entered By:** Jacob Williams
Scheduled Date: 8/13/2024 Time In: 1:16pm Contract Starts: 12/13/2022
Entered On: 8/27/2024 Time Out: 1:35pm Contract Ends: 12/13/2024
<-------->
GPS Lat: 29.91817 GPS Long: -98.26288

Visit Results

Service Type: Scheduled Inspection
Count: Inspection 5 of 6
Method: Grab

	License #	Expires	
Technician: Jacob Williams	MT0002672		
Provider: Rudy Carson	MP0002036	11/30/2025	☑ Service Completed

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational

Sludge Level Tank 1: 14
Sludge Level Tank 2: 16
Sludge Level Tank 3: 0"

Floats: OP
Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - Scum in pretreatment is 6" All Floats Alarms working Clean dripp Filter back line Need to Add Bleach

Provider: Rudy Carson
License: Number: MP0002036 Exp: 11/30/2025

Technician: Jacob Williams
License: Number: MT0002672 Exp:

Block Creek Aerobic Services, LLC

444 A Old Hwy No 9
Comfort, TX 78013

(830) 995-3189

Owner Phone: (512) 740-8940
Cell Phone: (512) 740-8940

Megan & Taylor Daniel

1056 Greenbriar Dr
Canyon Lake, TX 78133

Agency: Comal County
County: Comal

Site Address: 1056 Greenbriar Dr, Canyon Lake Permit #: 114327

System Info: MFG: Advantage Wastewater LLC Brand: Nu Water
Treatment Type: Aerobic With Chlorine Disposal Type: Drip Emitters
Installed: 11/16/2022 Warranty Expiration: 11/16/2024 System S/N: 57263

ID: 8346
Insp ID: 168692

Visit Details

Visit Date: 1/8/2025 **Entered By:** Francisco Ureste

<-------->
GPS Lat: 29.91817 GPS Long: -98.26288

Scheduled Date: 12/13/2024
Entered On: 1/8/2025

Contract Starts: 12/13/2022
Contract Ends: 12/13/2024

Visit Results

Service Type: Scheduled Inspection

Printed:1/8/2025

Count: Inspection 6 of 6
Method: Grab
Technician: Not Assigned
Provider: Rudy Carson

License # MP0002036
Expires 11/30/2025

☑ Service Completed

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational

Sludge Level Tank 1: 12"
Sludge Level Tank 2: 12"
Sludge Level Tank 3: 0"

Floats: OP
Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Scum in pretreatment is 8" - Cleaned compressor filter - Cleaned drip filter and back flushed drip field

Provider: *Rudy Carson*

License: Number: MP0002036 Exp: 11/30/2025