

COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date:

12/20/2023

Permit Number:

116770

Location Description:

770 OAK BREEZE

SPRING BRANCH, TX 78070

Subdivision:

SPRING BRANCH ESTATES

Unit:

1

Lot:

24

Block: Acreage: 2 1.8400

Type of System:

Aerobic

Surface Irrigation

Issued to:

MATTHEW D. & SAMANTHA J. MCKEE

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

INVIRONMENTAL HEALTH INSPECTOR

OS0038255

ENVIRONMENTAL HEALTH COORDINATOR

OS0007722

Installer Name:	OSSF Installer #:			
1st Inspection Date:	2nd Inspection Date:	3rd Inspection Date:		
Inspector Name:	Inspector Name:	Inspector Name:		

Perm	it#:		Address:				
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)				
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)(G)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

Inspector Notes:

	T					1	1
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) (i)285.32(b)(1)(E) (i)285.32(b)(1) (D)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (ii)285.32(b)(1) (B)285.32(b)(1) (A)285.32(b)(1) (B)285.32(b)(1)				
1	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
	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)				
	SEPTIC TANK Tank Volume Installed						
	PUMP TANK Volume Installed						
	AEROBIC TREATMENT UNIT Size Installed						
	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)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

^{12/18/23} CH: RV drop removed, tight line for detached structure must be removed per new design, tight line penetration into tank must be uncovered for inspection, tight line to main structure and field covered, no battery backup

^{12/20/23} CH: Tight line penetration to tank good, additional tight line not installed, battery backup installed, covered

	OSSI 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)						
	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)						
	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)						
	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)						
	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media								
	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)						
	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)						

No.	Docorintian	Answer	Citations	Notes	1ct lease	2nd Inco	2rd Inco
NO.	Description EFFLUENT DISPOSAL SYSTEM Utilized	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	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)				
	AEROBIC TREATMENT UNIT IS Aerobic Unit Installed According to Approved Guidelines.		285.32(c)(1)				
	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						
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						
	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						
	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						

	1						
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)(II) 285.33(d)(2)(G)(iii)(III) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iii)(I)				
	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)				
41	ADDUCATION ADDA Average tradellar						
42	APPLICATION AREA Area Installed						
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

Olvera, Brandon

From: Olvera, Brandon

Sent: Tuesday, November 14, 2023 9:26 AM

To: Matt Mckee; Susan Winters

Subject: RE: 770 OAK BREEZE - MCKEE #116770

Good Morning,

File has been updated. Update all the documents with the new absorption area.

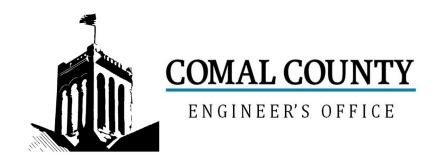
Thank You,

Note: Beginning January 1, 2024 our reinspection fees will be changing to \$150.00. Permit fee includes 3 inspections, \$150 each additional inspection

Brandon Olvera | Designated Representative OS0034792 |

Comal County | www.cceo.org | 195 David Jonas Dr, New Braunfels, TX-78132 |

t: 830-608-2090 | f: 830-608-2078 | e: olverb@co.comal.tx.us |



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

Permit Number: 116770

Issued This Date: 11/01/2023

This permit is hereby given to: MATTHEW D. & SAMANTHA J. MCKEE

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

770 OAK BREEZE

SPRING BRANCH, TX 78070

Subdivision: SPRING BRANCH ESTATES

Unit: 1

Lot: 24

Block: 2

Acreage: 1.8400

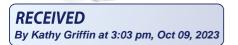
APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

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.





OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

116770

		Pate Received	Initials	Permit Number
Plac	tructions: ace a check mark next to all items that apply. For items that of ecklist <u>must</u> accompany the completed application.	do not apply, place	"N/A". This OSSF [Development Applicatior
oss	SF Permit			
X	Completed Application for Permit for Authorization to Con-	struct an On-Site S	ewage Facility and	License to Operate
X	Site/Soil Evaluation Completed by a Certified Site Evaluat	or or a Professiona	al Engineer	
\times	Planning Materials of the OSSF as Required by the TCEC of a scaled design and all system specifications.	Rules for OSSF (Chapter 285. Planni	ng Materials shall consis
\times	Required Permit Fee - See Attached Fee Schedule			
X	Copy of Recorded Deed			
X	Surface Application/Aerobic Treatment System			
	Recorded Certification of OSSF Requiring Maintena	nce/Affidavit to the	Public	
	Signed Maintenance Contract with Effective Date as	Issuance of Licen	se to Operate	
	ffirm that I have provided all information required for my nstitutes a completed OSSF Development Application.	OSSF Developm	ent Application an	d that this application
	1	10	/09/2023	
	Signature of Applicant	1	Date	
	COMPLETE APPLICATION Check No Receipt No	—— (Miss	INCOMPLETE AFing Items Circled, Ap	
			, Re	avised: Sentember 2019

RECEIVED

By Brandon Olvera at 8:08 am, Dec 15, 2023



ON-SITE SEWAGE FACILITY APPLICATION

195 DAVID JONAS DR NEW BRAUNFELS, TX 78132 (830) 608-2090

WWW.CCEO.ORG

Date September 20, 2023 Permit Number 110110					770
1. APPLICANT /	AGENT INFORMATION				,)
Owner Name	MATTHEW D. MCKEE & SAMANTHA J. MCKEE	Agent Name	2000 Park	GREG JOHNS	SON, P.E.
Mailing Address	1176 MOSSY HOLLOW ROAD	Agent Address _		170 HOLLO	W OAK
City, State, Zip	SPRING BRANCH TEXAS 78070	City, State, Zip	NEW	BRAUNFELS	TEXAS 78132
Phone #	830-500-8608	Phone #		830-905-2	2778
Email	matt.mckee0@gmail.com	Email	gı	regjohnsonpe@	yahoo.com
2. LOCATION					
Subdivision Nan	ne SPRING BRANCH ESTATES	Uni	t 1	Lot 24	Block 2
Survey Name / /	Abstract Number			Acrea	ie —
	770 OAK BREEZE				
3. TYPE OF DE					
Single Fan	nily Residential				
Type of C	onstruction (House, Mobile, RV, Etc.) MOBILE HO	OME			
	f Bedrooms 2897-				
Indicate S	Eq Ft of Living Area 4+				
	e Family Residential				
	naterials must show adequate land area for doubling th	e required land neede	d for treatm	nent units and d	isnosal area)
	acility		o ror bodin	ioni amo ano a	isposal area,
	actories, Churches, Schools, Parks, Etc Indicat		ants		
	nts, Lounges, Theaters - Indicate Number of Seat				
Hotel, Mot	tel, Hospital, Nursing Home - Indicate Number of	Beds		SULT OFFICE AND ADDRESS OF THE PARTY OF THE	
Travel Tra	niler/RV Parks - Indicate Number of Spaces				
Miscellane	eous				
Estimated Cos	st of Construction: \$ 200,000 (S	Structure Only)			
	of the proposed OSSF located in the United Stat		ngineers (USACE) flows	ge easement?
	No (If yes, owner must provide approval from USACE for p				
Source of Water			ionis main	the GONGE HOW	age easement/
4. SIGNATURE					
 The completed approperty. Authorization is h 	polication, I certify that: pplication and all additional information submitted does at I am the property owner or I possess the appropriate thereby given to the permitting authority and designated	land rights necessary	to make th	e permitted imp	rovements on said
- I understand that by the Comal Co	on and inspection of private sewage facilities a permit of authorization to construct will not be issued unty Flood Damage Prevention Order. nsent to the online posting/public release of my e-mail a	I until the Floodplain A	dministrato	r has performed	the reviews required
12/7	e Amotoo	m 4 12	/	n/4/22	, , , , , , , , , , , , , , , , , , , ,
Signature of O	wner	Date		<u> </u>	Page 1 of 2 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

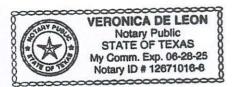
Planning Materials & Site Ev	raluation as Required Complet	ted By GREG W. JOHNSON, P.E.				
System Description	System Description PROPRIETARY; AEROBIC TREATMENT AND SURFACE IRRIGATION					
Size of Septic System Requi	red Based on Planning Materi	als & Soil Evaluation				
Tank Size(s) (Gallons)	AERIES D840	_Absorption/Application Area (Sq Ft)	8042			
Gallons Per Day (As Per TC (Sites generating more than 50)	EQ Table III) 480 00 gallons per day are required to	o obtain a permit through TCEQ)				
• •	the Edwards Recharge Zone? nust be completed by a Registered	☐ Yes No d Sanitarian (R.S.) or Professional Engineer (l	P.E.))			
•	proved WPAP for the property					
(if yes, the R. S. or P. E. shall co	ertify that the OSSF design compli	ies with all provisions of the existing WPAP.)				
	• •	ent activity require a TCEQ approved Wi				
		mply with all provisions of the proposed WPA as been approved by the appropriate regiona				
is the property located over	he Edwards Contributing Zond	e? 🛛 Yes 🔲 No				
Is there an existing TCEQ ap	proval CZP for the property?	☐ Yes No				
(if yes, the P.E. or R.S. shall ce	tify that the OSSF design complic	es with all provisions of the existing CZP)				
(if yes, the P.E. or R.S. shall cer	tify that the OSSF design will com	nt activity require a TCEQ approved CZP? ply with all provisions of the proposed CZP. A approved by the appropriate regional office.)	Permit to construct will)			
is this property within an	incorporated city? 🔲 Ye	s No	Jr.			
If yes, indicate the city: GREG W. JOHNSON OR GOOD AND AND AND AND AND AND AND AND AND AN						
		•	FIRM #2585			
	is true and correct to the best of	my knowledge. -mail address associated with this permit applic September 29, 2023	ation, as applicable			
Signature of Designer		Date	Page 2 of 2			

THE COUNTY OF COMAL STATE OF TEXAS

CERTIFICATION OF SINGLE FAMILY DWELLING

According to Texas Commission of Environmental Quality Rules for On-Site Sewage Facilities, this document is filed in the Deed Records of COMAL COUNTY, TEXAS.

Before me this day appeared	MATTHEW D. o		referenced property at
	REEZE I be occupied only by a sing	. They further state that the Residence	
		ing, will be installed on the property de	escribed as:
		SPRING BRANCH ESTATES	
UNIIZ_BLC	JCKLUI	DI MING BRANCH ESTATES	SUBDIVISION
IF NOT IN SUBDIVISION:	ACREAGE		SURVEY
The property is owned by	MATTHEW D.	MCKEE & SAMANTHA J. MCI	KEE
WITNESS MY HAND ON THIS	S4 of day of	, 20_23	
Mas M.		molcee	
OWNER (SIGNATURE)	OWN	NER (SIGNATURE)	
SWORN TO AND SUBSCRIBE	E D BEFORE ME ON THI	s 4 DAY OF OCT	, 20_23_BY
MATTHEW D. MCKEE		SAMANTHA J. MCKEE	
OWNER NAME (PRINTED)		OWNER NAME (PRINTED)	
Notary Public Signate	91		



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 County, Texas.

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 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.

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):

1	_LOT	SPRING BRANCH ESTATES	SUBDIVISION
EF NOT IN SUBDIVISION:ACREAGE			SURVEY
The property is owned by (insert owner's fall as	me):MA	ATTHEW D. MCKEE & SAMANTI	IA J. MCKEE
This OSSF must be covered by a continuous ma the initial two-year service policy, the owner of a residence shall either obtain a maintenance cont personally.	m acrobic treat	tment system for a single family	ř
Upon sale or transfer of the above-described pro transferred to the buyer or new owner. A copy o obtained from the Comal County Engineer's Office	the planning	mit for the ÖSŚF shall be ; materials for the OSSF can be	
WITNESS BY HAND(S) ON THIS 4 DAY O	# Oct	ickel 20 23	_
MATTHEW D. MCKEE Owner(s)		HA J. MCKEE	
MATTHEW D. & SAMANTHA I. MCKEE SWORN T	Owner (s) FO AND SUBS	Cribed Before Me on This	DAY OF
Vlinucu Ulluu Notary Public Signature		Filed and Recorded Official Public Reco	ords
VERIONICA DE LEON Notary Public STATE OF TEXAS My Comm. Exp. 06-28-25 Notary ED # 12871016-4		Bobbie Koepp, Cou Comal County, Texa 10/06/2023 10:26:0 CHRISTY 1 Page 202306032053	as 6 AM

Battie Koepp



DAVID WINTERS SEPTICS, LLC PO BOX 195 SPRING BRANCH, TX 78070 830-935-2477 OFFICE 830-935-2477 FAX wintersseptics@gytc.com

Routine Maintenance and Inspection Agreement

This Work-for-Hire Agreement (hereafter referred to as this "Agreement") is entered into, by, and between						
(referred to as "Client")	and David Winters Septic's, LLC, Inc.					
(hereafter referred to as "Contractor") located at	Date beginning on Issue Date of					
and contract ending 2 years from Issue Date of License to Operate	License to Operate					
By this agreement the Contractor agrees to render professional service, as described herein, and the Client agrees to fulfill the						
terms of this Agreement as described herein.						

This agreement will provide for all required inspections, testing, and service for your Aerobic Treatment System. The policy will include the following:

- 1. Three (3) inspections per year/service calls (at least one every four months), for a total of six (6) over the two-year period, including inspection, adjustment, and servicing of the mechanical, electrical and other applicable component parts to ensure proper function. This includes inspecting control panel, air pumps, air filters, diffuser operation, and replacing or repairing any component not found to be functioning correctly. Any alarm situations affecting the proper function of the Aerobic process will be addressed within a 48-hour time frame. This contract does not include labor on warranty and non-warranty parts.
- 2. An effluent quality inspection consisting of a visual check of color, turbidity, scum overflow and examination for odors. A test for chlorine residual and pH will be taken and reported as necessary.
- 3 If any improper operation is observed, which cannot be corrected at the time of the service visit, you will be notified on your inspection report.
- 4. The Client is responsible for the chlorine tablets and/or liquid chlorine; they must be filled before or during the service visit.
- 5. Any additional visits, inspections or sample collection required by specific Municipalities, Water/River Authorities, and County Agencies the TCEQ or any other authorized regulatory agency in your jurisdiction will not be covered by this policy.

At the conclusion of the initial service policy, our company will make available, for purchase on an annual basis, a continuing service policy cover NORMAL inspection, maintenance and repair.

The Homeowners Manual must be strictly followed or warranties are subject invalidation. Pumping of sludge build up is not covered by this policy and will result in additional charges.

This agreement does not cover any labor or parts for items which must be replaced due to acts of God, i.e., lightning strikes, high winds, flooding, freezing.

This agreement DOES NOT COVER materials or parts which must be replaced due to misuse or abuse of the system. These include but are not limited to: Sewage flows exceeding the recommended daily hydraulic design capabilities, Disposal of Non-Biodegradable materials, such as chemicals, grease or oil, sanitary napkins, tampons, baby wipes, disposable diapers, Clogs in the line between the house and the tank.

This agreement DOES NOT COVER LABOR OR PARTS for out- of- warranty items.

Service calls made outside of the regular maintenance schedule are subject to a \$75.00 SERVICE CALL FEE due at the time of service.

ACCESS BY CONTRACTOR	
	may enter the property at reasonable times without prior notice for the
purpose of service described above.	First 2 years
DAVIMENT ACREMENT	included with new
PAYMENT AGREEMENT The client will pay compensation to the contractor for	the services in the amount of install . This compensation shall
be payable in one lump sum payment upon acceptance	of this agreement. Payments not received within 30 days of the above
described due date will be subject to a \$25.00 late pena	
TERMINATION OF THIS AGREEMENT	
	ays of written notice in the event of substantial failure to perform in
	of the terminating party. If this agreement is terminated, the contractor
will immediately notify the appropriate health authority	
LIMIT OF LIABILTY	
	ential, incidental or punitive damages, whether in contract or any other
	lirect damages exceed the price for the services described in this
agreement.	
Permit #	
The effective date of this initial maintenance agreem	nent shall be the date the license to operate is issued.
Client	Contractor
	David Winters Septic's, LLC, Inc.
Name	David winters septic 3, LLC, inc.
A 11	<u>P.O. Box 195</u>
Address	
	Spring Branch, Texas 780170
City/State/Zip Code	
830-500-8608	Office 830 025 2477 Ear 920 025 2477
000 000	Office 830-935-2477 Fax 830-935-2477

PhdMattmckee0@gmail.com

Email address

Phone

Signature of Client

Signature of Contractor

Maintenance Provider #-MP0001686

RECEIVED

By Brandon Olvera at 4:25 pm, Dec 04, 2023

Olvera, Brandon

From: Greg Johnson < gregjohnsonpe@yahoo.com>

Sent: Friday, December 1, 2023 9:45 AM

To: Olvera, Brandon

Subject: 770 OAK BREEZE - MCKEE #116770

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

BRANDON,

PLEASE DESREGARD THE LAST REVISION SHOWING AN RV DROP BEING ADDED. PLEASE RETURN TO THE LAST PERMITTED DESIGN. THX,

GREG

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

170 Hollow Oak

New Braunfels, TX 78132

Office/Fax (830) 905-2778

Email: gregjohnsonpe@yahoo.com

Greg W. Johnson, P.E. 170 Hollow Oak New Braunfels, Texas 78132 830/905-2778

September 29, 2023

Comal County Office of Environmental Health 195 David Jonas Drive New Braunfels, Texas 78132-3760

RE- Septic Design
770 OAK BREEZE
SPRING BRANCH ESTATES, UNIT 1, BLK 2, LOT 24
SPRING BRANCH, TX 78070
MCKEE RESIDENCE

Brandon/Brenda,

Due to the lack of available application area it is necessary to have the setback from the property line to the spray at ten feet as required by TCEQ Chapter 285 rules Table X. I hereby request a variance to the twenty foot setback to property lines as required by Comal County Order and equivalent protection will be maintained by including a battery backup to the timer clock to assure sprayers to only spray during the predawn hours. In my professional opinion this variance will not pose a threat to the environment or public health.

If I can be of further assistance please contact me.

Respectfully yours,

September 29, 2023

Greg W. Johnson, P.E., F#2585

Date

ON-SITE SEWERAGE FACILITY SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed:	September 28, 2023	
Site Location:	SPRING BRANCH ESTATES, UNIT 5, BLOCK 2, LOT 24	
Proposed Excavation Depth:	N/A	
Locations of soil boring For subsurface disposal,	ions must be performed on the site, at opposite ends of the proposed disposal area. or dug pits must be shown on the site drawing. soil evaluations must be performed to a depth of at least two feet below the th. For surface disposal, the surface horizon must be evaluated.	

			•	. Indicate depths where features appear.
I locoribo acab co	il kasisan and ida	mtitu amu ractriativa	taaturas on tha tarm	Indicata denthe where teatures annear
Describe cach su)	HILLIA VIIIA LEVITICITAE	realures ou lue roill.	. Illuicale debilis where lealures abbear.
				· · · · · · · · · · · · · · · · · · ·

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 1 2	IV	CLAY	N/A	NONE OBSERVED	LIMESTONE @ 8"	BROWN
3						
4						
5						

SOIL BORING	NUMBER SUR	FACE EVALUAT	ION			
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
1 2	SAME		AS		ABOVE	
3						
5						

I certify that the findings of this report are based or	n my field observations and are accurate to
the best of my ability.	•
	na lan la m

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

Date

OSSF SOIL EVALUATION REPORT | RECEIVED

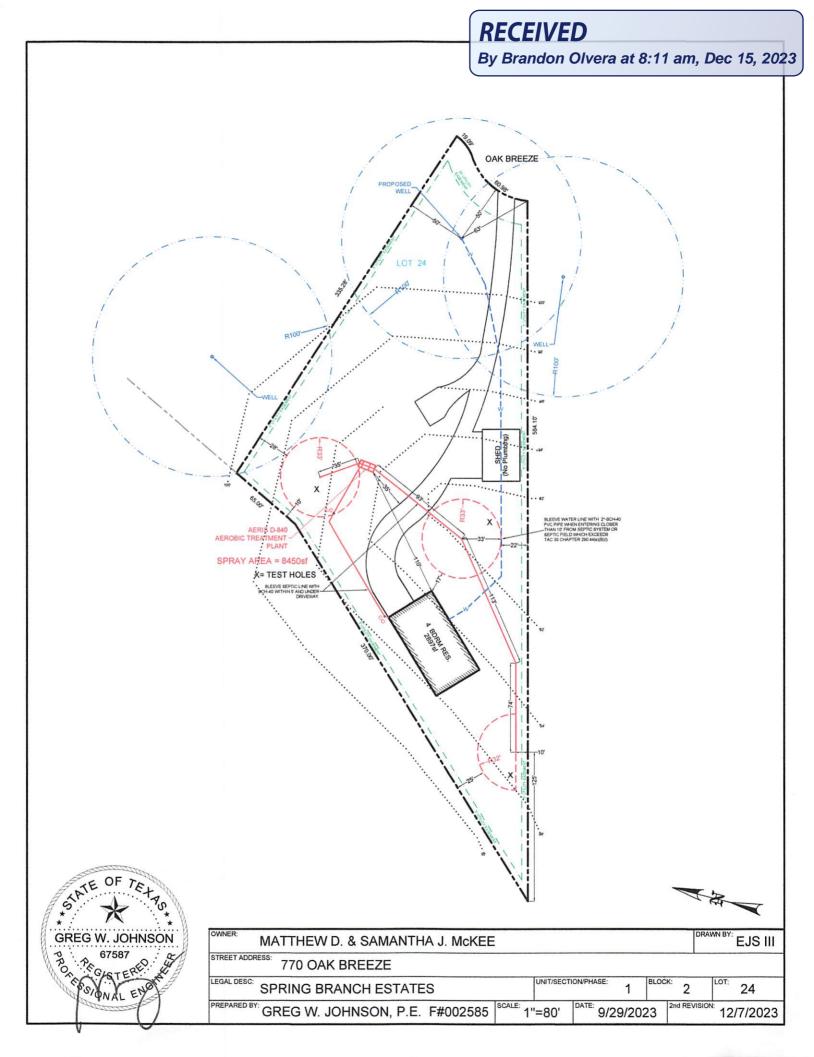
By Brandon Olvera at 8:11 am, Dec 15, 2023

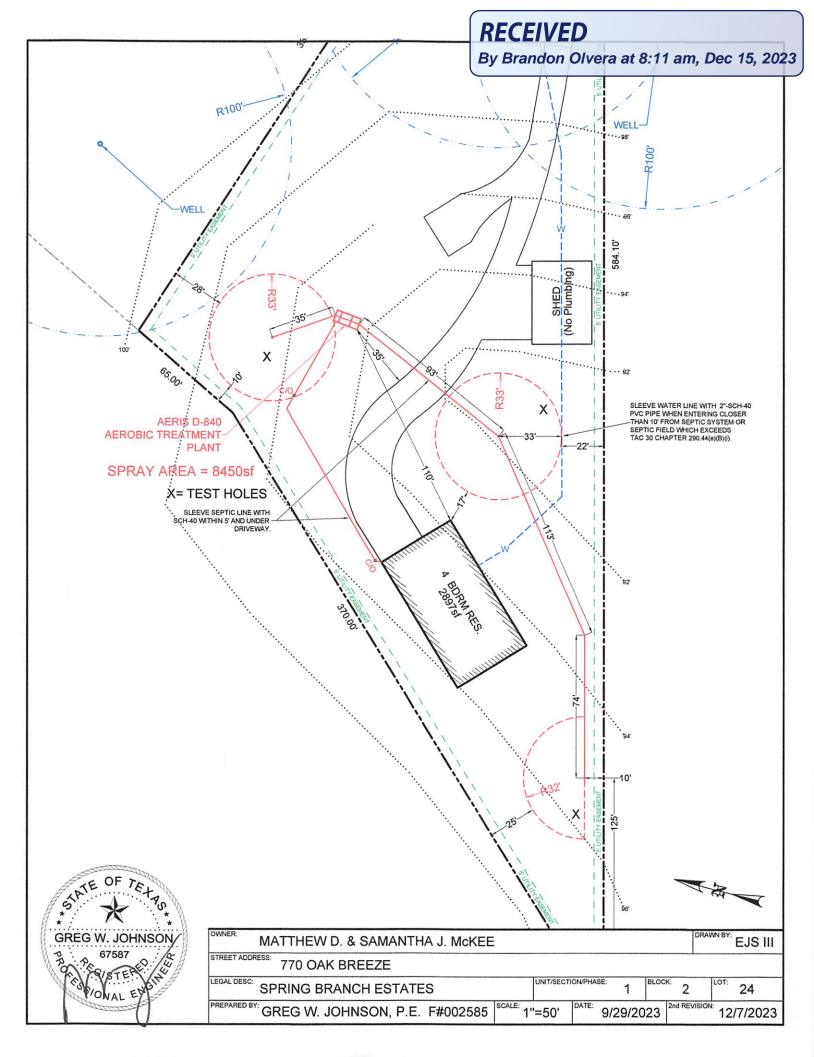
FIRM #2585

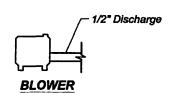
Date: September 29, 2023 **Applicant Information:**

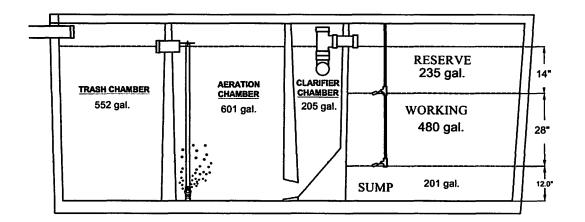
Site Evaluator Information:

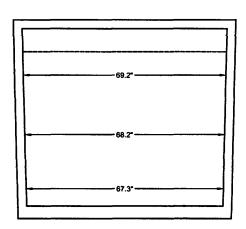
Name: MATTHEW D. & SAMANTHA J. McKEE	Name: Greg W. Johnson, P.E., R.S., S.E. 11561					
Address:1176 MOSSY HOLLOW ROAD	Address: 170 Hollow Oak					
City: SPRING BRANCH State: TEXAS	City: New Braunfels State: Texas					
Zip Code: Phone: (830) 500-8608	Zip Code: 78132 Phone & Fax (830)905-2778					
Property Location: SPRING BRANCH Lot 24 Unit 1 Blk 2 Subd. ESTATES Street Address: 770 OAK BREEZE	Installer Information: Name: Company:					
City: SPRING BRANCH 7 in Code: 78070	Address:					
Additional Info.:	City: State:					
Additional Into	City: State: Zip Code: Phone					
Topography: Slope within proposed disposal area:						
Presence of 100 yr. Flood Zone: Existing or proposed water well in nearby area. Presence of adjacent ponds, streams, water impoundments Presence of upper water shed Organized sewage service available to lot	YES NO_X YES_X NO >100' YES NO_X YES NO_X YES NO_X					
Design Calculations for Aerobic Treatment with Spr	av Irrigation:					
Commercial Q =GPD						
Residential Water conserving fixtures to be utilized? Y Number of Bedrooms the septic system is sized for: 4	es <u>X</u> NO real so ft living area 2897 ·					
Q gal/day = (Bedrooms +1) * 75 GPD - (20% reduction						
Q = (4 +1)*75-(20%) = 200 Trash Tank Size 552 Gal. TCEQ Approved Aerobic Plant Size 840 Calculated Application Area = Q/Ri = 480, / 0.0 Application Area Utilized = 8450 sq. ft.	NOTE: (480 GPD Design Faite) G.P.D. (480 GPD Design Faite) 1500 sq. ft.					
Pump Requirement 12 Gpm @41 Psi (Red	TIMED TO DOSE IN PREDAWN HOURS al/inch.					
Reserve Requirement = 174 Gal. 1/3 day flow.						
Alarms: Audible & Visual High Water Alarm & Visual With Chlorinator NSF/TCEQ APPROVED SCH-40 or SDR-26 3" or 4" sewer line to tank Two way cleanout	Air Pump malfunction					
Pop-up rotary sprinkler heads w/ purple non-potable lids 1" Sch-40 PVC discharge manifold APPLICATION AREA SHOULD BE SEEDED AND						
EXPOSED ROCK WILL BE COVERED WITH SOIL	•					
I HAVE PERFORMED A THOROUGH INVESTIGATION AND SITE EVALUATOR IN ACCORDANCE WITH CHA (REGARDING RECHARGE FEATURES), TEXAS CO (EFFECTIVE DECEMBER 29, 2016)	APTER 285, SUBCHAPTER D, §285.30, & §285.40					
GREG W. JOHNSON, P.E. F#002585 - S.E. 11561	DATE GREG W. JOHNSON					
	67587					





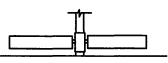






SIDE SECTION VIEW

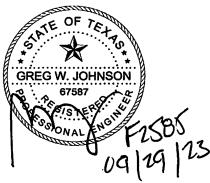
SCALE: 1' = 3/8 "





SCALE: 1' = 3/8 "

<u>Diffuser Detail</u>
2 - 250 mm
Max flow per diffuser
= 55 liters/minute



Title:

Model D-840 Night Time Pumping Company Name:

Aeris Aerobics

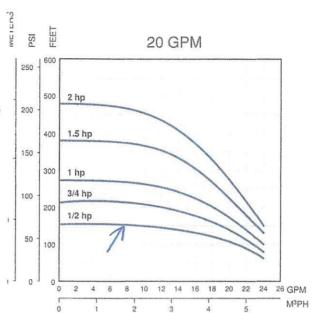
Date:

5-8-2014

Environmental Saries Pumps

Thermoplastic Performance

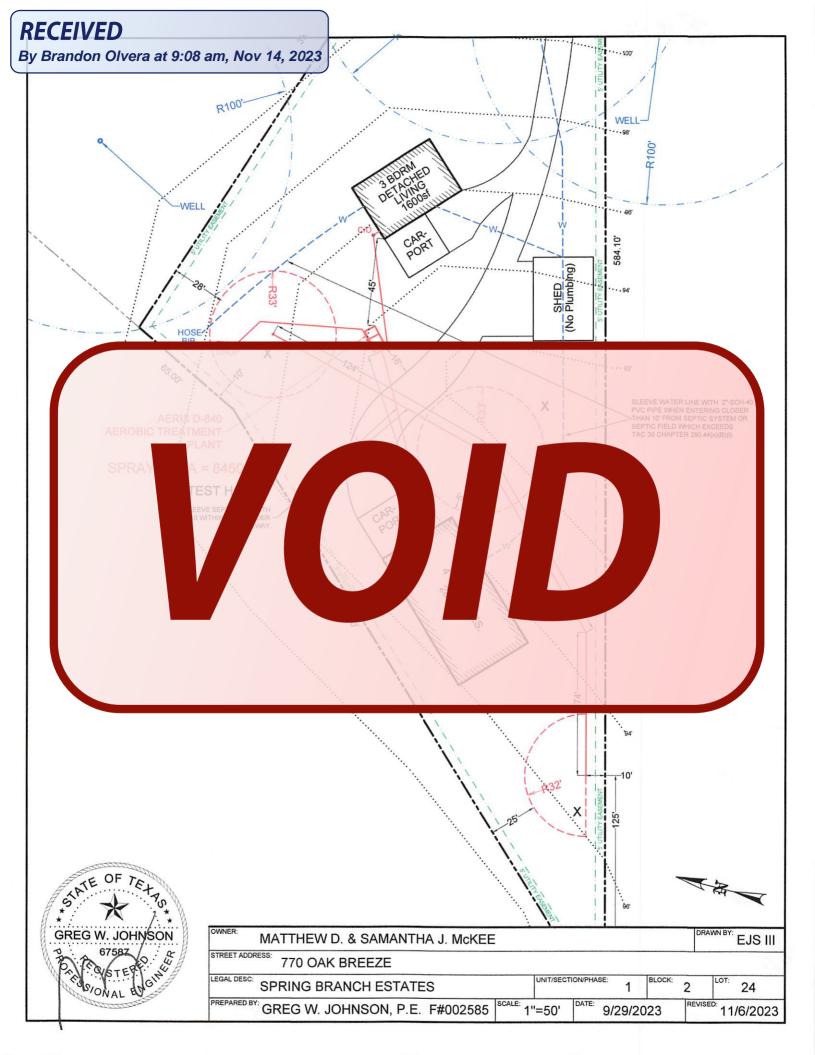
Nazzie	PSI	Radius	GPIM	
#1	30	22'	1.5	- KRAIN Pro-Plus
	40	24'	1.7	ILIMIN
	50	26'	1.8	Par Di
	60	28'	2.0	TILO - PCUS
#3	30	29'	3.0	-
***************************************	40	32'	3.1	*
	50	35'	3.5	
	60	37'	3.8	
#4	30	31'	3.4	
	40	34'	3.9	
	50	37'	4.4	
	60	38'	4.7	
#6	40	38'	6.5	-
	50	40'	7.3	
	60	42'	8.0	
	70	44'	8.6	

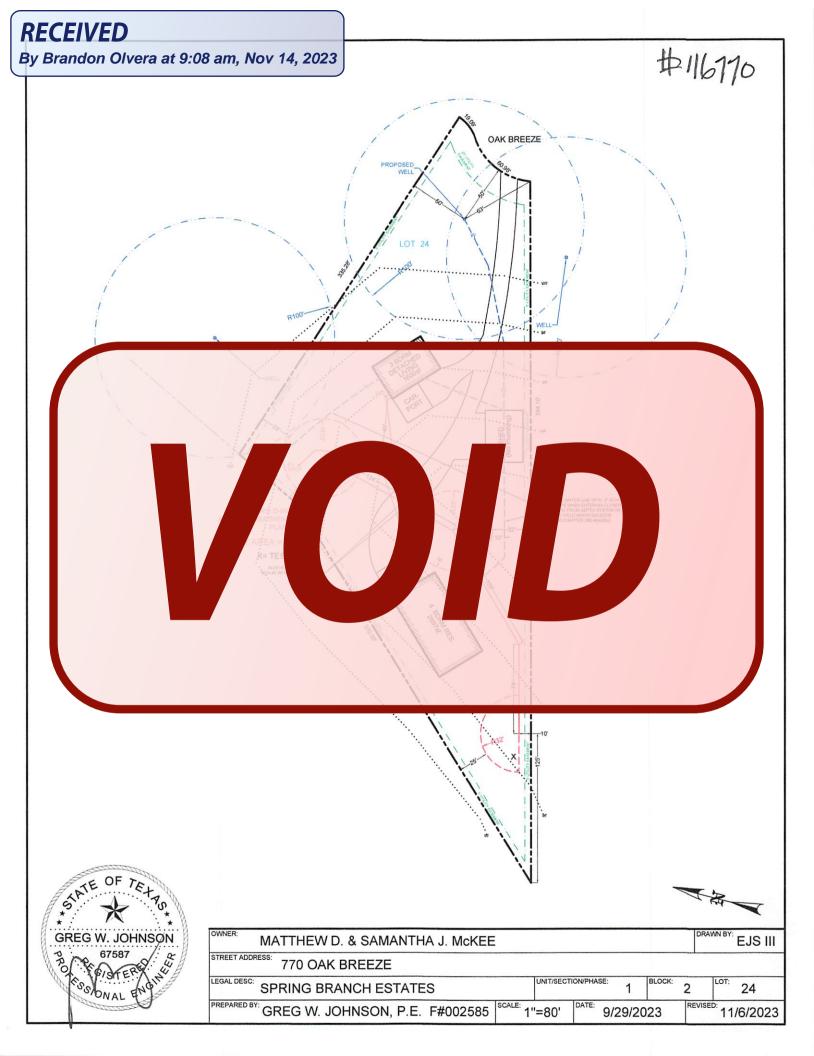


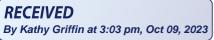
Thermoplastic Units Ordering Information

1/2 - 1.5 HP Single-Phase Units							
Order No.	Model	GPM	HP	Volt	Wire	Wt.	
94741005	10FE05P4-2W115	10	1/2	115	2	24	
94741010	10FE05P4-2W230	10	1/2	230	2	24	
94741015	10FE07P4-2W230	10	3/4	230	2	28	
94741020	10FE1P4-2W230	10	1	230	2	31	
94741025	10FE15P4-2W230	10	1.5	230	2	46	
94742005	20FE05P4-2W115	20	1/2	115	2	25	
94742010	20FE05P4-2W230	20	1/2	230	2	25	
94742015	20FE07P4-2W230	20	3/4	230	2	28	
94742020	20FE1P4-2W230	20	1	230	2	31	
94742025	20FE15P4-2W230	20	1.5	230	2	40	

Thermoplastic 1/2 - 2 HP Pump Ends							
Order No.	Model	GPM	HP	Volt	Wire	Wt.	
94751005	10FE05P4-PE	10	1/2	N/A	N/A	6	
94751010	10FE07P4-PE	10	3/4	N/A	N/A	7	
94751015	10FE1P4-PE	10	1	N/A	N/A	8	
94751020	10FE15P4-PE	10	1.5	N/A	N/A	12	
94752005	20FE05P4-PE	20	1/2	N/A	N/A	6	
94752010	20FE07P4-PE	20	3/4	N/A	N/A	7	
94752015	20FE1P4-PE	20	1	N/A	N/A	8	
94752020	20FE15P4-PE	20	1.5	N/A	N/A	10	
94752025	20FE2P4-PE	20	2	N/A	N/A	11	









ON-SITE SEWAGE FACILITY APPLICATION

195 DAVID JONAS DR NEW BRAUNFELS, TX 78132 (830) 608-2090

WWW_CCEO_ORG

	nber 20, 2023			Pe	rmit N	umber			-	
	GENT INFORMATION									
Owner Name	MATTHEW D. MCKEE & SAMAN MCKEE	JTHA J.	Agent Name			GREG J	OHNSO	N, P.E.		
Mailing Address	1176 MOSSY HOLLOW ROA	\D			170 HOLLOW OAK					
City, State, Zip	SPRING BRANCH TEXAS 780	070	City, State, Zi	р	NEW	BRAUN	FELS TE	EXAS 7813	8132	
Phone #	830-500-8608		Phone #		830-905-2778		8	111		
Email	matt.mckee0@gmail.com		Email		g	regjohnso	npe@yal	hoo.com	.com	
LOCATION										
Subdivision Name	SPRING BRANCH	1 ESTATES		Unit	1	Lot	24	_ Block_	2	
Survey Name / Abs	tract Number					A	creage			
Address	770 OAK BREEZE	C	ity SPRING	GRRAN	CH	State	TY	7in 78	3070	
. TYPE OF LEVEL	OPMENT									
Sin le Family										
Type of Cons										
Ir licate Sq F	t of Li									
Non-Single Fa	amily F ntial									
(Punning mate	rials mu w adec and ar	doubling the	d land	ed for		ent units	an	osal area)		
Type of Facili	ty									
O ices, Facto	ories, Classes dols, Pa	tc Indicate	er O	upant						
R staurants,	Lounges - Indicate	er of Seat								
H tel, Motel,	Hospital, Home - Indica		As The second							
Tr vel Trailer	/RV Parks - Indicate Number of Sp	paces								
Micellaneous										
Estimated Sost of										
Is any portion of t	he proposed OSSF located in the			of Engin	oore /	ISACE	flourage	2222222	2	
	(If yes, owner must provide approval from								1	
	Public Private Well			ovements	within	the USACI	E flowage	easement)		
. SIGNATURE OF] Namwater Cont	56(101)							
ly signing this applicat										
The completed applic	ation and all additional information su	ubmitted does n	ot contain any fa	alse infor	mation	and does	not con	and any ma	tori	

- 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.

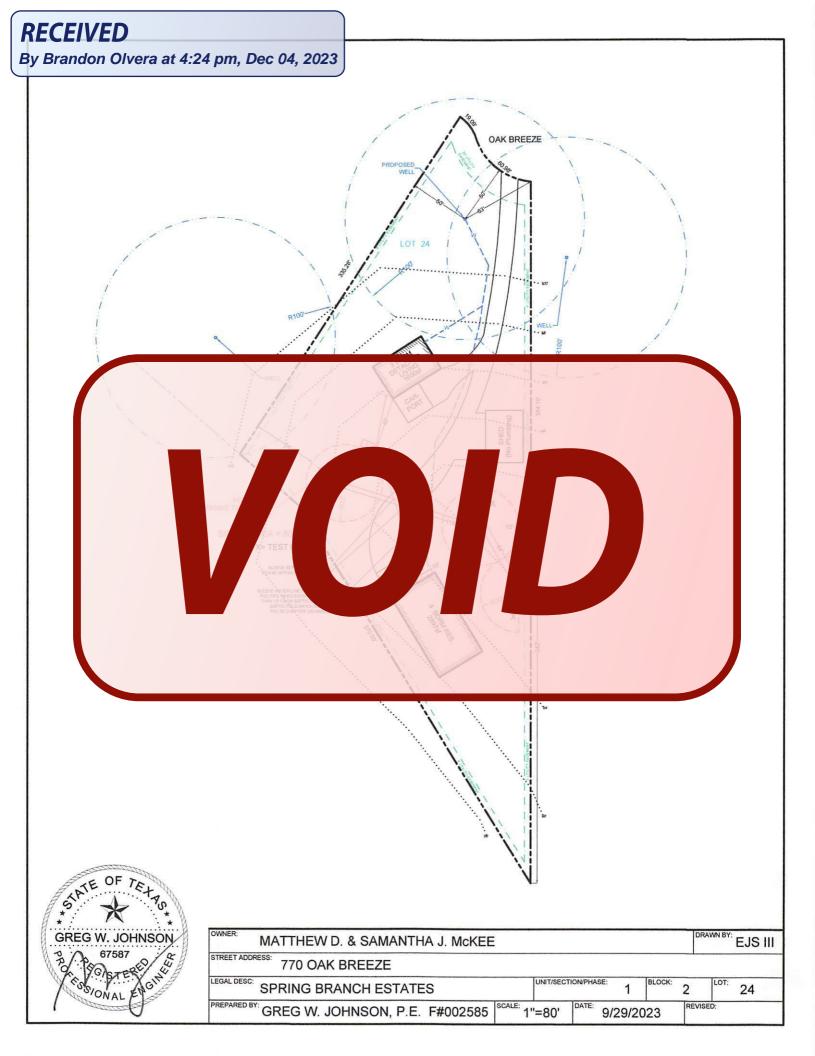
Signature of Owner Date

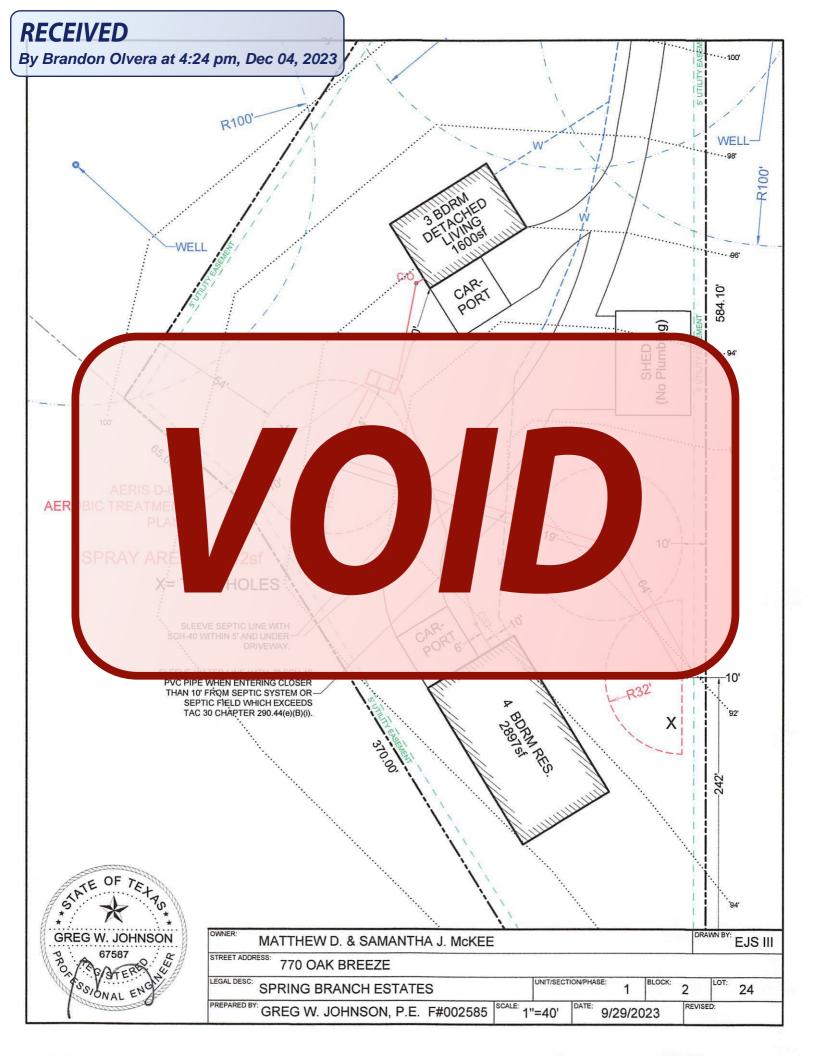
OSSF SOIL EVALUATION REPORT INFORMATION

Date: September 29, 2023
Applicant Information:

NA TOWNS OF SAME AND A SAME	Site Evaluator Info	
Name: MATTHEW D. & SAMANTHA J. McKEE		nson, P.E., R.S., S.E. 11561
Address: 1176 MOSSY HOLLOW ROAD	Address: 170 Hollo	
City: SPRING BRANCH State: TEXAS	City: New Braunf	State: Texas
Zip Code: 78070 Phone: (830) 500-8608	Zip Code: /8132	Phone & Fax (830)905-2778
Property Location: SPRING BRANCH Lot 24 Unit 1 Blk 2 Subd. ESTATES		mation:
Street Address: 770 OAK BREEZE		
City: SPRING BRANCH Zip Code: 78070	Address:	
Additional Info.:	City:	State:
	Zip Code:	Phone
Topography: Slope within proposed disposal area:	4 to 5 %	
Presence of 100 yr. Flood Zone:	YES NO X	
Existing or proposed water well in nearby area.	YES X NO	- >100'
Presence of a acent ponds, streams, water impoundments		
	YESNO_X	
Organi ed sewage service available to lot	YES NO X	
Design Calculations for Aerobic Treatment with Spi	ray irrigation:	
Comm reial		
Q = GP.		
Residential Water con ng fix to by zed? Y	es	
Number of Bedrooms peptic in is for: 4	t. li	v rea 2897 -
Q gal/ay = (Bedrooms * 7 D - (eduction		
Q = (4+3+1)*75-(9)		
Trash ank Size G	N E: 41	M RES. DRM DETAC
TCEQ Approved Aerob Size		IVIN 0 GPD
Req'd application Area = 480	4 = 750	
Application Area Utilized = 8042 sq. ft.		
Pump lequirement 12 Gpm @ 41 Psi (Re	diacket 0.5 HP 18 G	.P.M. series or equivalent)
Dosing Cycle: ON DEMAND or X	TIMED TO DOSE IN	N PREDAWN HOURS
Pump Talk Size = 916 Gal. 17.3 G	al/inch	TINDDII WIT IIO OILO
Reserve Requirement Gai. 1/3 day 110w.		
Alarms: Audible & Visual High Water Alarm & Visual	Air Pump malfuncti	on
With Chlorinator NSF/TCEQ APPROVED	Tim I amp mananou	1011
SCH-40 or SDR-26 3" or 4" sewer line to tank		
Two way cleanout		
Pop-up rotary sprinkler heads w/ purple non-potable lids		
1" Sch-40 PVC discharge manifold		
APPLICATION AREA SHOULD BE SEEDED AND	MAINTAINED WI	TH VEGETATION.
EXPOSED ROCK WILL BE COVERED WITH SOIL	•	
I HAVE PERFORMED A THOROUGH INVESTIGATION		
AND SITE EVALUATOR IN ACCORDANCE WITH CHA		
(REGARDING RECHARGE FEATURES), TEXAS CO	DMMISSION OF EN	VIRONMENTAL QUALITY
(EFFECTIVE DECEMBER 29, 2016)	25 PM	OF TEL
	1-1 EXAM	To the second
/ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$	179/13/	* * * * * * * * * * * * * * * * * * *
GREG W. JOHNSON P.E. F#002585 - S.E. 11561	DATE GREG	W. JOHNSON

FIRM #2585





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: September 4, 20 23

Grantor and Mailing Address:

Luis L. Cantu and Dawn Adams Cantu, a married couple 778 Oak Breeze Spring Branch, Texas 78070

Grantee and Mailing Address:

Matthew D. McKee and Samantha J. McKee, a married couple 1176 Mossy Hollow Road Spring Branch, Texas 78070

Consideration: Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged

Property (including any improvements):

Lot 24, Block 2, SPRING BRANCH ESTATES, UNIT NO. 1, Comal County, Texas, according to plat thereof recorded in Volume 6, Pages 113-117, Map and Plat Records of Comal County, Texas.

Exceptions to Conveyance and Warranty: Any and all easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded restrictions, reservations, covenants, conditions, oil and gas leases, mineral severances, and other instruments, other than liens and conveyances, that affect the Property; rights of adjoining owners in any walls and fences situated on a common boundary; any discrepancies, conflicts or shortages in area or boundary lines; any encroachments or overlapping of improvements; and taxes for the current year and subsequent years, which Grantee assumes and agrees to pay any subsequent assessments for the current year and prior years due change in land usage, ownership, or both, the payment of which Grantee assumes.

Grantor, for the Consideration and subject to 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 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 successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the Exceptions to Conveyance and Warranty.

GRANTOR:

Dawn Adams Cantu

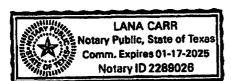
(Acknowledgment)

STATE OF TEXAS

§ § §

COUNTY OF COMAL

Cantu and Dawn Adams Cantu.



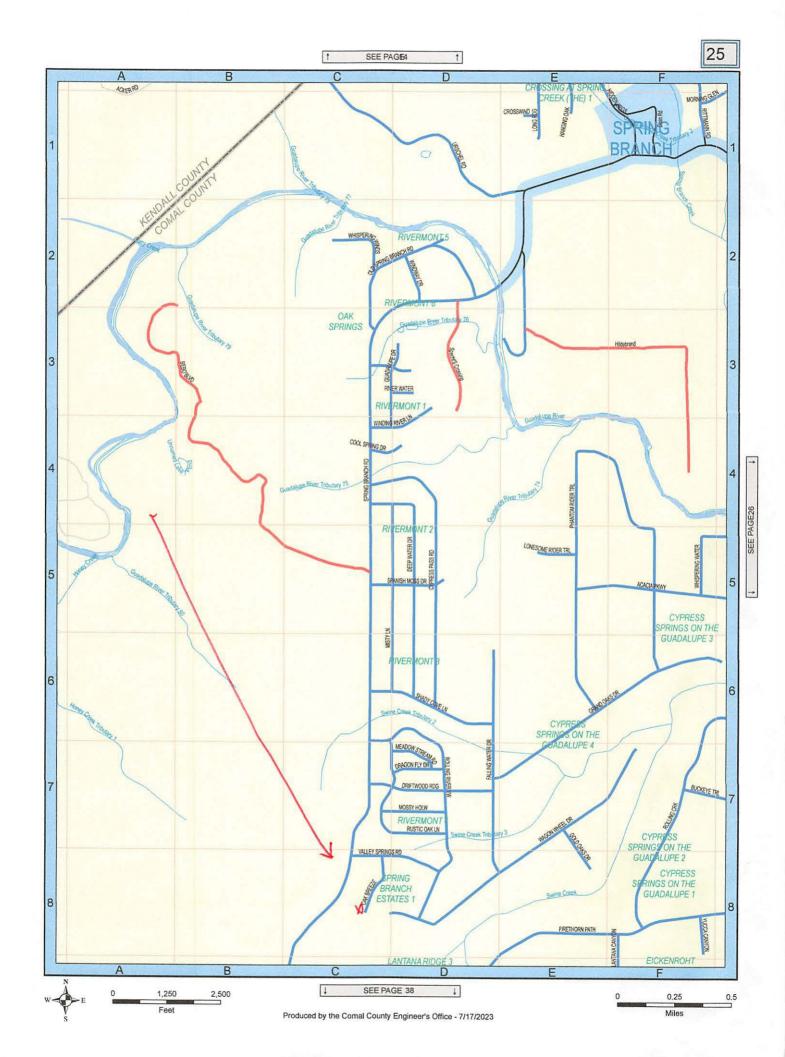
ublic, State of Texas

After Recording Return To:

Texas Lone Star Title LLC c/o Law Office of Jason M. Rammel, P.C. 17130 Highway 46 W, Suite 5 Spring Branch, Texas 78070

> Filed and Recorded **Official Public Records Bobbie Koepp, County Clerk Comal County, Texas** 09/06/2023 10:22:10 AM LAURA 2 Pages(s) 202306028617

Bobbie Koepp



Maintenance Service Provider 15188 FM 306 Canyon Lake, TX 78133 Office/Fax (830) 964-2365

SPRING BRANCH ESTATES, UNIT 1, BLK 2, LOT 24



SITE ADDRESS 770 OAK BREEZE, SPRING BRANCH, TX 78070 INSTALLER J.R. AVILA DATE SEPTEMBER 29, 2023

Routine Maintenance and Inspection Agreement

This Work for Hire Agreement (hereinafter referred to as this "Agreement") is entered into by and between

MATTO AV D. & SAMANTHA J. MICKEE (referred to as "Client") and Aerobie Services of South Texas (Thos. V Haps ton MP349) (hereinafter referred to as "Contractor") located at 15188 FM 306 Canyon Lake, Texas 78133 (830) 967-2365. By this Agreement the Contractor agrees to render professional service, as described herein, and the Client agrees to fulfill the terms of this Agreement as described herein.

T is contract will provide for all required inspections, testing and service for your Aerobic Treatment System. The policy will include the following:

- 1. 3 inspections a y rvices y A lea Avery 4 m for a lof 6 c le two ye fod including in pection, adjustment at service fit the fit anical, electronal filter fuser for a long fit of the fit anical, air pumper filter fuser for a long fit of the fit anical, air pumper filter fuser for a long fit of the fit of t
- 2. An effluent quality a consisting value color dity, exert camination for or or. A test for chlor qual and pH with ported a essare
- 3. If any improper operation is observed, which cannot be corrected at the time of the service visit, you will be notified in nediately in writing of the conditions and estimated date of correction.
- 4. The customer is responsible for the chlorine; it must be filled before or during the service visit.
- 5. Any additional visits, inspections or sample collection required by specific Municipalities, Water/River Authorities, and County Agencies the TCEQ or any other authorized regulatory agency in your jurisdiction will be covered by this policy. BOD and TSS testing is covered by this contract.

The Homeowners Manual must be strictly followed or warranties are subject to invalidation. Pumping of sludge build-up is not covered by this policy and will result in additional charges.

ACCESS BY CONTRACTOR

The Contractor or anyone authorized by the Contractor may enter the property at reasonable times without prior notice for the purpose of the above described Services. The contractor may access the System components including the tanks by means of excavation for the purpose of evaluations if necessary. Soil Is to be replaced with the excavated material as best as possible.

Termination of Agreement

Either party may terminate this agreement within ten days with a written notice in the event of substantial failure to perform in accordance with its terms by the other party without fault of the terminating party. If this Agreement is so terminated, the Contractor will immediately notify the appropriate health authority of the termination.



Limit of Laboury

In no event shall the Contractor be hable for indirect, consequential, incidental or punitive damages, whether in contract tort or any other theory. In no event shall the Contractor's hability for direct damages exceed the price for the services described in this Agreement

Dispute Resolution

If a dispute between the Client and the Contractor arises that cannot be settled in good tanh negotiations then the parties shall choose a mutually acceptable arbitrator and shall share the cost of the arbitration services equally.

Entire Agreement

dereement either and or writing

Severability

If any provision of this Agreement 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 this 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

HOT NER

MATTHEW AMA J. MC

matt.mckee0

830-500-8608

100

EFFECTIVE DATE

MIRED DAIL

INSTALLED_ Mindel

(flower Panel Serial

The effective date of this putral maintenance contract small by the date hierasc to operate is issued