

Comal County office of comal county engineer

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date:	02/28/2019		Permit Number:
Location Description:	339 STARS AI FISCHER, TX		
	Subdivision: Unit: Lot: Block: Acreage:	The Summit Estates at Fische 2 224	r, Texas
Type of System:	Aerobic Surface Irrigation	on	
Issued to:	Bay Area Conc	rete & Construction, 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.

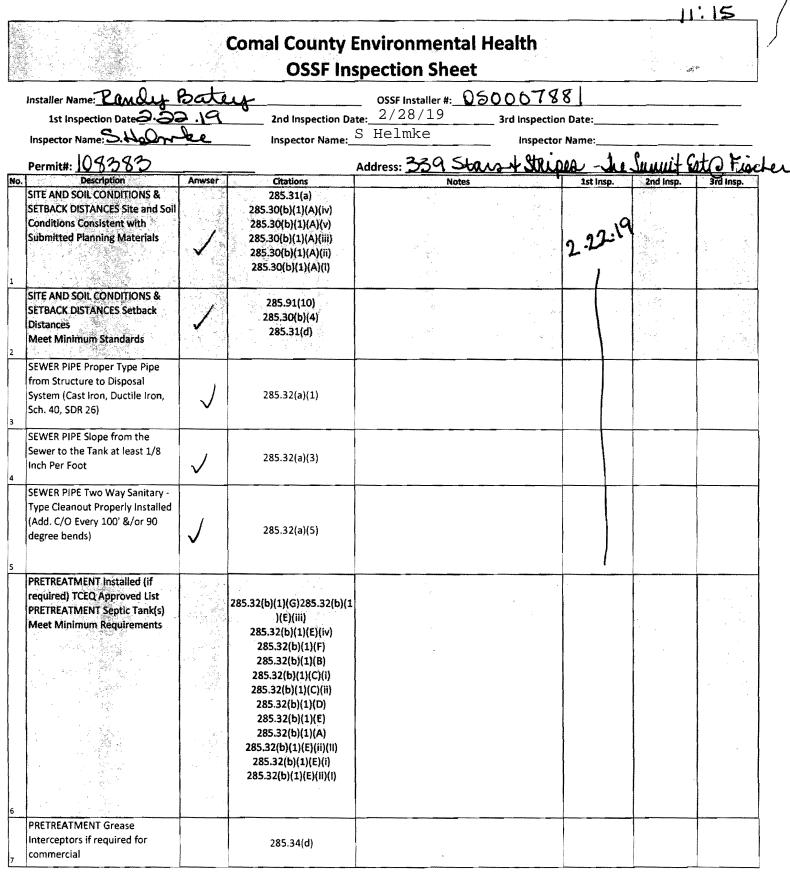
This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority Comal County Environmental Health

TAL HEALTH INSPECTOR

08383

ENVIRONMENTAL HEALTH COORDINATOR 59



2.22.19 - SH tank pet level operational Ready for cover

2/28/19 - SH Covered

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No.	Description	Anwser	Citations	Notes	1st insp.	2nd insp.	3rd insp.
	SEPTIC TANK Tank(s) Clearly		285.32(b)(1)(E)				
	Marked SEPTIC TANK If		285.91(2)				
	SingleTank, 2		285.32(b)(1)(F)				
	Compartments Provided with		285.32(b)(1)(E)(iii)				
	Baffle SEPTIC TANK Inlet Flowline		285.32(b)(1)(E)(ii)(II)				}
	Greater than		285.32(b)(1)(E)(ii)(i)				
	3" and " T " Provided on Inlet and		285.32(b)(1)(E)(i)				
	Outlet		285.32(b)(1)(D)				
	SEPTIC TANK Septic Tank(s) Meet		285.32(b)(1)(C)(ii)				
	Minimum Requirements	\checkmark	285.32(b)(1)(C)(i)				
		•	285.32(b)(1)(B)				
			285.32(b)(1)(A)				
			285.32(b)(1)(E)(iv)				
			203.32(0)(1)(2)(14)				
8							
	ALL TANKS Installed on 4" Sand		205 22(1)(4)(5)				
	Cushion/ Proper Backfill Used	/	285.32(b)(1)(F)			ł	
		\checkmark	285.32(b)(1)(G)		t		
			285.34(b)				
9	SEPTIC TANK Inspection / Clean						
•	Out Port & Risers Provided on						
	Tanks Buried Greater than 12"	1					
	Sealed and Capped	\mathbf{J}	285.38(d)				
	Sealed and Capped	•					
10							
	SEPTIC TANK Secondary restraint						
]	system provided						
	SEPTIC TANK Riser permanently						
	fastened to lid or cast into tank	1					
	SEPTIC TANK Riser cap protected	\checkmark					
	against unauthorized intrusions	•	285.38(d)				
	-		285.38(e)				
11							
	SEPTIC TANK Tank Volume						
12	Installed	V					
—	PUMP TANK Volume Installed	1					
13		\checkmark					
	AEROBIC TREATMENT UNIT Size						
	Installed	1.5					
				600			· · ·
14			4				
	AEROBIC TREATMENT UNIT						
	Manufacturer						
	AEROBIC TREATMENT UNIT			Solar Air			ļ
	Model	V				[
15	Number						
-13	DISPOSAL SYSTEM Absorptive		285.33(a)(4)				
ļ	UISCUSAL STSTEINI ADSOIPTIVE		1			1	1
1			285.33(a)(1) 285.33(a)(2)				
			285.33(a)(2) 285.33(a)(3)				
16							
	DISPOSAL SYSTEM Leaching		285.33(a)(1)			1	
	Chamber		285.33(a)(3)				
1			285.33(a)(4)				
17			285.33(a)(2)				
	DISPOSAL SYSTEM Evapo-		285.33(a)(3)				
1	transpirative		285.33(a)(4)				
1					1		1
			285.33(a)(1)			1	

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No.	Description	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
	DISPOSAL SYSTEM Drip Irrigation	ан арала 1911 - Арала	285.33(a)(1)				
			285.33(a)(3)		ſ		
			285.33(a)(4)			{	
		-	285.33(a)(2)				
19	<u>.</u>						
	DISPOSAL SYSTEM Soil		285.33(d)(4)				
20	Substitution		203.33(4)(4)				
	DISPOSAL SYSTEM Pumped		285.33(a)(4)				
	Effluent	-	285.33(a)(3)	1			
31			285.33(a)(1)				
21	DISPOSAL SYSTEM Gravelless		285.33(a)(3)				
	Pipe		285.33(a)(2)			[
	ripe		285.33(a)(2) 285.33(a)(4)				
22			285.33(a)(1)				
	DISPOSAL SYSTEM Mound		285.33(a)(3)			1	
			285.33(a)(1)			1	
			285.33(a)(2)				,
		¢3.	285.33(a)(4)				
23				·			
	DISPOSAL SYSTEM Other		285.33(d)(6)				
	(describe) (Approved Design)		285.33(c)(4)				
24			· · · · •				
	DRAINFIELD Absorptive Drainline		and the second		<u> </u>		
	3" PVC				{		
	or 4" PVC						· **
25			nu			+	
26	DRAINFIELD Area installed						
	DRAINFIELD Level to within 1 inch						
	per 25 feet and within 3 inches						
	over entire excavation		285.33(b)(1)(A)(v)			1.	
27		."					
11	DRAINFIELD Excavation Width				<u> </u>		
	DRAINFIELD Excavation Depth		+ (
	DRAINFIELD Excavation		*				
	Separation DRAINFIELD Depth of			×	Į		
	Porous Media	1. 5.5. 5.4					i A
	DRAINFIELD Type of Porous						
	Media						
					1		
		1.1					
28							
	DRAINFIELD Pipe and Gravel -	<u> </u>			1	<u> </u>	[
	Geotextile Fabric in Place		285.33(b)(1)(E)				
29		<u> </u>				-	J
	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open					1	
					l		
	End Plates w/Splash Plate,						
	Inspection Port & Closed End	1	285.33(c)(2)		1	1	
	Plates in Place (per						
	manufacturers spec.)	[]		Į			
30	- · *				1		1
50	LOW PRESSURE DISPOSAL				+		
		1					
	SYSTEM Adequate Trench Length	1 1		1	1		1
	SYSTEM Adequate Trench Length & Width, and Adequate						1
	& Width, and Adequate		285.33(d)(1)(C)(i)				
			285.33(d)(1)(C)(i)				

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No. Description	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd insp.
EFFLUENT DISPOSAL SYSTEM Utilized Only by Singie 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 32		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			6	· · · · ·		
provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions						
34 AEROBIC TREATMENT UNIT Chlorinator Properly Installed 35 with Chlorine Tablets in Place.			-			
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						
PUMP TANK Secondary restraint system provided						

Comal County Environmental Health

OSSF Inspection Sheet

Γ	PUMP TANK Electrical			
	Connections in Approved			
3	Junction Boxes / Wiring Buried			

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No.	Description	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	<u>_</u>	285.33(d)(2)(G)(iii)(II)285.3 3(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)		- - -		
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	V x	285.33(d)(2)(G)(i) 285.33(d)(2)(Å) 285.33(d)(2)(F)	Covered		2/28/1	Ð
42	APPLICATION AREA Area installed	1		3 4241			
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



Comal County office of comal county engineer

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

Permit Number:	108383
Issued This Date:	11/27/2018
This permit is hereby given to:	Bay Area Concrete & Construction, LLC

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

339 STARS AND STRIPES FISCHER, TX 78623

Subdivision:	The Summit Estates at Fischer, Texas
Unit:	2
Lot:	224
Block:	
Acreage:	

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic Surface Irrigation

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

Call (830) 608-2090 to schedule inspections.

COUNTY ENGINEER'S OFFICE

OSSF DEVELOPMENT APPLICATION CHECKLIST
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Staff will complete sha	ded
items Date Received	initials

Permit Number

Instructions:

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

OSSF Permit

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

X 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.

 X Required Permit Fee
 RECEIVED

 X Copy of Recorded Deed
 NOV 2 0 2018

 COUNTY ENGINEER
 COUNTY ENGINEER

_X_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

Receipt No.

COMPLETE APPLICATION

Check No.

11/20/12



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

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

Date Nov	vember 12, 2018		Permit #	108383
Owner Name	BAY AREA CONCRETE & CONSTRUCTION, LLC	Agent Name	GREG W	/. JOHNSON, P.E.
Mailing Address	2828 LAKE SHORE DRIVE	Agent Address		IOLLOW OAK
City, State, Zip	CANYON LAKE TEXAS 78133	City, State, Zip		UNFELS, TX 78132
Phone#	210-326-0661	Phone #		0) 905-2778
Email	mimiian@gvtc.com	Email		sonpe@yahoo.com
All correspondence	ce should be sent to: 🗌 Owner 🛛 Agent	Both	Method: Mai	Email
Subdivision Nam	e THE SUMMIT ESTATES AT FISCHER, TEXAS Unit/Phas	e/Section 2	Lot 224	Block
Acreage/Legal				
Street Name/Add	Iress 339 STARS & STRIPES	City	FISCHER	Zip78623
Type of Develop	ment:			an a
🔀 Single Family	Residential			RECEIVED
Type of Co	nstruction (House, Mobile, RV, Etc.)	HOUSE		NOV 2 0 2018
Number of	Bedrooms 3			2018
Indicate So	Ft of Living Area1732		COL	JNTY ENGINEER
(Planning mate Type of Fa Offices, Fa Restauran Hotel, Mote	actories, Churches, Schools, Parks, Etc Indic ts, Lounges, Theaters - Indicate Number of Se el, Hospital, Nursing Home - Indicate Number iller/RV Parks - Indicate Number of Spaces	eate Number Of Oc eats of Beds	ccupants	
Estimated Cost of	of Construction: \$ 250,000 (Structu	ire Only)		
	the proposed OSSF located in the United Stat (if yes, owner must provide approval from USACE for p	2	_	
	Public Private Well Private Being Utilized Within the Residence	? 🛛 Yes 🗌 No	o	
-Authorization is her site/soil evaluation -I also understand th by the Come	ication and all additional information submitted does not reby given to the permitting authority and designated age and inspection of private sewage facilities. at a permit of authorization to construct will not be issued ty Flood Damage Prevention Order. ent to the online posting public release of my e-mail addr	nts to enter upon the a d until the Floodplain A	above described prope	rty for the purpose of rmed the reviews required

Signature of Owner

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

Page 1 of 2 Revised July 2018

THE SUMMIT ESTATES AT FISCHER, TEXAS, UNIT 2, LOT 224

* * * COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH * * * <u>APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN</u> <u>ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE</u>
Planning Materials & Site Evaluation as Required Completed By GREG W. JOHNSON, P.E.
System Description PROPRIETARY; AEROBIC TREATMENT AND SURFACE IRRIGATION
Size of Septic System Required Based on Planning Materials & Soil Evaluation
SOLAR AIR SA600LP Absorption/Application Area (Sq Ft) 4241
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.) V 2 0 2018
Is there an existing TCEQ approved WPAP for the property? 🗌 Yes 🛛 🛛 🖉 No COUNTY ENGINEER
(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: GREG W. JOHNSON

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

Gignature of Designer

November 15, 2018

Page 2 of 2 Revised July 2018

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

Date



11/20/2018 11:41:03 AM 1/1

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THE COUNTY OF COMAL

STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

RECEIVED

According to Texas Commission on Environmental Quality Rules for On-Site Sewage FaciND& 2018 (OSSF's), this document is filed in the Deed Records of Comal County. Texas.

COUNTY ENGINEER 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.

H

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):

2 (UNIT)PHASE/SECTION	BLOCK	224	LOT	THE SUMMIT ESTATES AT FISCHER, TEXAS SUBDIVISION
	\bigcirc —			•	

IF NOT IN SUBDIVISION: ACREAGE SURVEY

BAY AREA CONCRETE & CONSTRUCTION, LLC The property is owned by (insert owner's full name):

This OSSF must be covered by a continuous maintenance contract for the first two years. After the initial two-vear 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 16 DAY OF NOVEMBER ,20 18 X IAN WHITEHEAD - MANAGER Owner(s) signature(s) Owner (s) Printed name (s) - SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 16 DAY OF IAN WHITEHEAD 20 18 THIS AREA FOR COMAL COUNTY CLERK RECORDING PURPOSES ONLY Filed and Recorded Official Public Records Public Signature Bobbie Koepp, County Clerk omal County. lexas GREG W. JOHNSON Notary Public, State of Texas Comm. Expires 05-17-2022 Page(s) 1 Notary ID 124218310

(Notary Seal Here,

DAVID WINTERS SEPTICS, LLC PO BOX 195 SPRING BRANCH, TEXAS 78070 830-935-2477 OFFICE 830-935-2470 FAX winters3.a gyte.com

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NOV 2 0 2018

COUNTY ENGINEER

Routine Maintenance and Inspection Agreement

This Work for Hire Agreement (hereinafter referred to as this "Agreement") is entered into by and between BAY AREA CONCRETE & CONSTRUCTION, LL(referred to as "Client") and David Winters Septies, LLC. Inc. (hereinafter referred to as "Contractor") located at 339 STARS AND STRIPES / THE SUMMIT ESTATES AT FISCHER, TX, UNIT 2, LOT 224. Date beginning on <u>LTO</u> and contract ending on ______. 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 contract will provide for all required inspections, testing and service for your Aerobic Treatment System. The policy will include the following:

- 1. Three (6) inspections per year service calls (at least one every four months), for a total of 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. After the contract for the one year service agreement expires, work on the remaining warranty does not include labor prices. Repair work on non-warranty parts will include price for labor and parts. The prices will be quoted before work is performed.
- 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 immediately in writing of the conditions and estimated date of correction.
- 4. The Client is responsible for the chlorine tablets: they must be filled before or during the service visit.
- 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.

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, ic, 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.

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 service described above. PAYMENT FOR SERVICES

PAGE 1 OF 2

The client will pay compensation to the contractor for the services in the amount of ______. 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 penalty.

TERMINATION OF THIS AGREEMENT

Either party may terminate this agreement within 10 days of written notice in the event of substantial failure to perform in accordance with its terms by other party without fault of the terminating party. If this agreement is terminated, the contractor will immediately notify the appropriate health authority.

LIMIT OF LIABILTY

The Contractor will not be liable for indirect, consequential, incidental or punitive damages, whether in contract or any other theory. In no event shall the Contractor's liability for direct damages exceed the price for the services described in this agreement.

Permit #_____

The effective date of this initial maintenance contract shall be the date the license to operate is issued.

Owner

Contractor

BAY AREA CONCRETE & CONSTRUCTION, LLC Name

2828 LAKE SHORE DRIVE

CANYON LAKE, TX 78133 City, State

210-326-0661 Phone # 00

Signature of Home Owner

David Winters Septics, LLC

PO Box 195

Spring Branch, Texas 78070

Office #830-935-2477 - Fax # 830-935-2470

MP#0001686

Signature of Contractor

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COUNTY ENGINEER

PAGE 2 OF 2

Greg W. Johnson, P.E.

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170 Hollow Oak New Braunfels, Texas 78132 830/905-2778

November 15, 2018

NOV 2 0 2018

COUNTY ENGINEER

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

RE-SEPTIC DESIGN 339 STARS & STRIPES THE SUMMIT ESTATES AT FISCHER, TEXAS, UNIT 2, LOT 224 FISCHER, TX 78623 BAY AREA CONCRETE & CONSTRUCTION, LLC

Ms. Brenda Ritzen/Sandra Hernandez,

The referenced property is located within the Edwards Aquifer Contributing Zone. This OSSF design will comply with requirements in the CZP.

Temporary erosion and sedimentation controls should be utilized as necessary prior to construction. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, activities must be suspended immediately and the applicant or his agent must immediately notify the TCEQ Regional Office. After that operations can only proceed after the Executive Director approves required additional engineered impact plans.

Designed in accordance with Chapter 285, Subchapter D, §285.40,285.41, & 285.42, Texas Commission on Environmental Quality (Effective December 29, 2016).

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



ON-SITE SEWERAGE FACILITY SOIL EVALUATION REPORT INFORMATION

Date Soil Survey	Performed: Novem	iber 14, 2018					
Site Location:	The SUMM	IT ESTATES at I	FISCHER, UNIT	2, LOT 224	_	RECEI	VED
Proposed Excavat	ion Depth:N	i/A				NOV 20	2018
Location For subs proposed Describe	s of soil boring or d urface disposal, soil excavation depth. F	ug pits must be sho evaluations must be for surface disposal nd identify any rest	wn on the site draw e performed to a de , the surface horizo rictive features on	ing. pth of at least two fo n must be evaluated		COUNTY ENG	
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations	
0 2''	IV	CLAY	N/A	NONE OBSERVED	LIMESTONE @ 2"	BROWN	

		G '1	0 1		Destriction	Observations
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0	CAME		4.5		ABOVE	
1	SAME		AS		ADUVE	
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

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OSSF SOIL EVALUATION REPORT INFORMATION

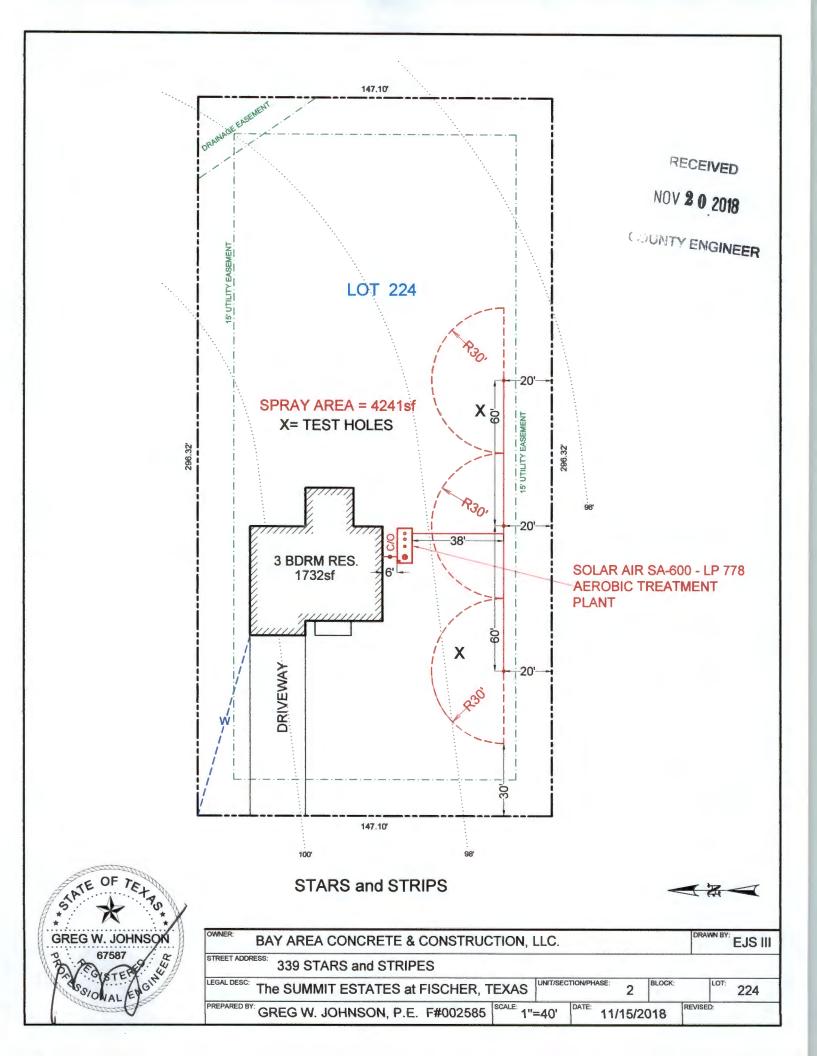
Date: November 15, 2018

Applicant Information:

Site Evaluator Information:						
Name: <u>BAY AREA CONCRETE & CONSTRUCTION, LLC.</u>	Name: Greg W. Johnson, P.	E., R.S., S.E. 11561				
Address: 2828 LAKESHORE DRIVE	Address: 170 Hollow Oak					
City: CANYON LAKE State: TEXAS	City: New Braunfels	State: Texas				
Zip Code: 78133 Phone: (210) 326-0661	Zip Code: 78132 Phone	& Fax (830)905-2778				
Property Location:	Installer Information					
Lot <u>224</u> Unit <u>2</u> Blk Subd. The SUMMIT ESTATES at FISC						
Street Address: 339 STARS and STRIPES	Company:	- MP-00-				
City: FISCHER Zip Code: 78623	Address:	01-1-				
Additional Info.:	City:	State:				
Topography: Slope within proposed disposal area: Presence of 100 yr. Flood Zone: Existing or proposed water well in nearby area.	<u>3</u> % YESNO_X YESNO_X	Phone				
Presence of adjacent ponds, streams, water impoundments	YESNO_X	RECEIVED				
Presence of upper water shed Organized sewage service available to lot	YESNO_X YESNO_X	NOV 2 0 2018				
Organized sewage service available to lot	IESNOA	2018				
Design Calculations for Aerobic Treatment with Spin Commercial Q = GPD	ray Irrigation:	COUNTY ENGINEER				
Residential Water conserving fixtures to be utilized? Y	es X No					
Number of Bedrooms the septic system is sized for:	3 Total sq. ft. living are	ea 1732				
Q gal/day = (Bedrooms + 1) * 75 GPD - (20% reduction)						
Q = (3 + 1)*75-(20%) = 240	for water conserving fixture					
Trash Tank Size <u>376</u> Gal.						
TCEQ Approved Aerobic Plant Size <u>600</u> (J.P.D.	e				
Req'd Application Area = $Q/Ri = 240$ / 0.	$\frac{064}{1000} = \frac{3750}{1000}$ sq	. π.				
Application Area Utilized = 4241 sq. ft.						
Pump Requirement <u>12</u> Gpm @ <u>41</u> Psi (Redjacket 0.5 HP 18 G.P.M. series or equivalent)						
Dosing Cycle:ON DEMAND orX	FIMED TO DOSE IN PRED	DAWN HOURS				
Pump Tank Size = 778 Gal. 18.75 G						
Reserve Requirement = 80 Gal. 1/3 day flow.						
Alarms: Audible & Visual High Water Alarm & Visual	Air Pump malfunction					
With Chlorinator NSF/TCEQ APPROVED						
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 M	IAINTAINED WITH VEGE	LATION.				
I HAVE PERFORMED A THOROUGH INVESTIGATION AND SITE EVALUATOR IN ACCORDANCE WITH CH (REGARDING RECHARGE FEATURES), TEXAS CO (EFFECTIVE DECEMBER 29, 2016)	APTER 285, SUBCHAPTER	D, §285.30, & §285.40 Imental quality				

GREG W. JOHNSON, P.E. F#002585 - S.E. 11561

II/15/18 DATE GREG W. JOHNSON BORGISTERED GREG W. JOHNSON



RECEIVED

NOV 2 0 2018

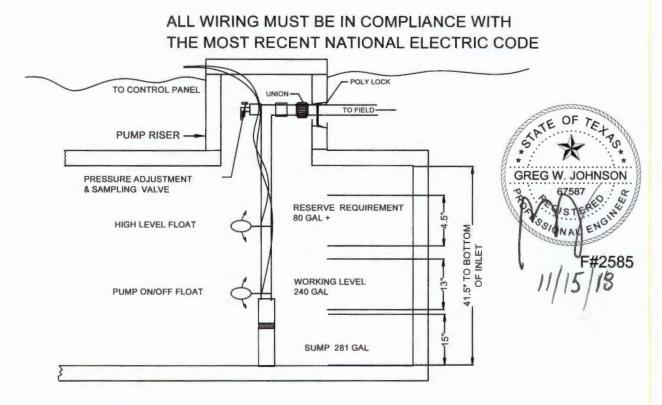
TANK NOTES:

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

Tightlines to the tank shall be SCH-40 PVC.

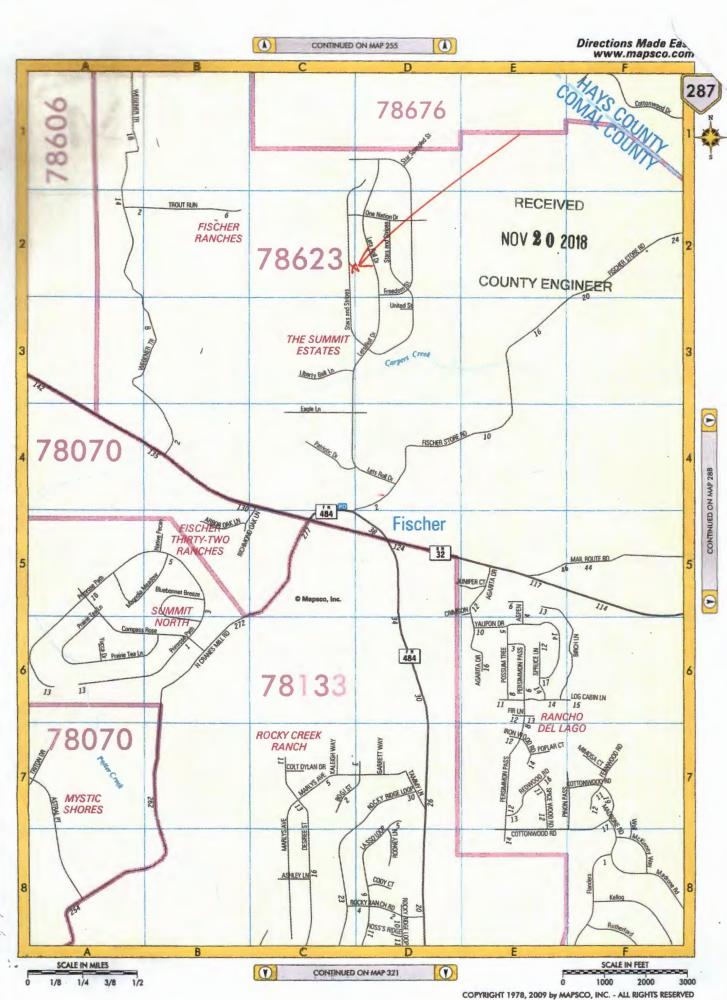
A two way sanitary tee is required between residence and tank.

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



TYPICAL PUMP TANK CONFIGURATION SOLAR-AIR SA-600 LP 778 GAL PUMP TANK





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NEW BRAUNFELS TITLE CO. CANYON LAKE OFFICE. GF#_DS7372_NZ___

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

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RECEIVED

THE STATE OF TEXAS

COUNTY OF COMAL

KNOW ALL MEN BY THESE PRESENTS: NOV 2 0 2018

COUNTY ENGINEER

THAT CHRISTOPHER M. AGOSTA and wife, CAROL S. AGOSTA, hereinafter

called Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS

(\$10.00) cash and other good and valuable consideration in hand paid by BAY AREA

CONCRETE & CONSTRUCTION, LLC, hereinafter called Grantee, the receipt and suffi-

ciency of which is hereby acknowledged;

HAS GRANTED, SOLD and CONVEYED, and by these presents does GRANT,

SELL and CONVEY unto the said Grantee the following described property situated in

Cornal County, Texas, to-wit:

Lot 224, THE SUMMIT ESTATES AT FISCHER, TEXAS, UNIT 2, a subdivision in Cornal County, Texas, according to the map and or plat thereof recorded in Volume 15, Page 122, Map and Plat Records of Cornal County, Texas.

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

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

TO HAVE AND TO HOLD the above described premises, together with, all and singular, the rights and appurtenances thereto in anywise belonging unto the said Grantee, Grantee's heirs, executors, administrators, successors, or assigns forever. Grantor does hereby bind Grantor, Grantor's heirs, executors, administrators, and successors to warrant and forever defend, all and singular, the said premises unto the said Grantee, Grantee's heirs, executors, administrators, successors, and assigns against any person whomsoever claiming or to claim the same or any part thereof.

DATED this the 7% day of August, 2018.

OPHER M CHRIST CAROL S. AGOSTA

Public in and for the State of Texas

Babbie Koepp

STATE OF TE COUNTY OF

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This instrument was acknowledged before me on this the $\underline{\neg }^{44}$ day of August, 2018, by CHRISTOPHER M. AGOSTA and wife, CAROL S. AGOSTA.

Notary

Minne,

9370.deeds New Braunfels Title Co. CL (NR) GF #87372 NBT

Grankes mailing address: 2828 Lawshore Dr. Canyon Lave, TX 78133

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Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 08/13/2018 12:43:57 PM LAURA 2 Pages(s) 201806031806

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COUNTY ENGINEER