

# Comal County

### License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date:	05/30/2019		Permit Number:	109058
Location Description:	15100 CRAN CANYON LA	ES MILL RD Ke, TX 78133		
	Subdivision: Unit: Lot: Block: Acreage:	Canvon Lake Mobile Ho 2 A&B	me Estate North	
Type of System:	Aerobic Surface Irrigat	ion		
Issued to:	Jerry L. & Rot	oin G. Stroud		

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

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

Alterations to this permit including, but not limited to:

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

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

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

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

Licensing Authority Comal County Environmental Health

OS8497

ENVIRONMENTAL HEALTH INSPECTOR

S0007722 ENVIRONMENTAL HEALTH RDINATOR

		Environmental spection Sheet		
Installer Name: Winsteller Name: Winsteller Name: 5/ Ist Inspection Date: 5/ Inspector Name: Mike	23/19 2nd Inspection D	OSSF Installer #:	3rd Inspection Date: 5/	Ke T
Permit#: 09058 Description SITE AND SOIL CONDITIONS & SETUACE DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	Anwrser Citations 285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(ii)	Address: <u>13100</u> Notes	CAGNES Mill Ro Ist Imp. 5/23/19	2nd imp. 3rd imp. 5/30/
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	285.91(10) 285.30(b)(4) 285.31(d)			
SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	285.32(a)(1)			
SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	285.32(a)(3)			
SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	285.32(a)(5)			
PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements	285.32(b)(1)(G)285.32(b)( )(E)(iii) 285.32(b)(1)(E)(W) 285.32(b)(1)(F) 285.32(b)(1)(F) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(E) 285.32(b)(1)(E)(ii)(ii) 285.32(b)(1)(E)(iii)(ii) 285.32(b)(1)(E)(iii)(ii) 285.32(b)(1)(E)(iii)(ii)	1		
PRETREATMENT Grease Interceptors if required for commercial	285.34(d)			

MT-5/23/19 Tank set, Leveled operational Ready FOR Cover Remove on Cover Kock

MT-5/30/19 Covered

	Arwan	Citations	Notes	1st map.	2nd Imap.	3rd insp.
SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If SingleTank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iii)(1) 285.32(b)(1)(E)(ii)(1) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(i) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(i) 285.32(b)(1)(E)(iv)				
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)	·	жж.		
SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
SEPTIC TANK Tank Volume						
PUMP TANK Volume installed						
AEROBIC TREATMENT UNIT Size Installed			600	5/23/19		5/30/1
AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		Solanaire			1
DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
DISPOSAL SYSTEM Leaching Chamber		285.33(3)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
17 DISPOSAL SYSTEM Evapo- transpirative		285.33(a)(4) 285.33(a)(1) 285.33(a)(2)		-		

Le.	Description Areas	er Citations	Notes	1st insp.	2nd Insp.	3rd Imp.
9	DISPOSAL SYSTEM Drip Inigation	285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
	DISPOSAL SYSTEM Soil Substitution	285.33(d)(4)				
	DISPOSAL SYSTEM Pumped Effluent	285.33(a)(3) 285.33(a)(1) 285.33(a)(2)				
	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)(2) 285.33(a)(4)				
3	DISPOSAL SYSTEM Other (describe) (Approved Design)	285.33(d)(6) 285.33(c)(4)				
	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC					
6	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)				
7	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media					
8	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)				
30	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches	285.33(d)(1)(C)(i)	+			

<b>to</b> .	Description	Anneset	Citations	Motes	1st Insp.	2nd Insp.	. 3rd husp.
	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 ) S 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)		5/23/19		5/30/19
•	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	/					
-	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.	1					
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						
37	PUMP TANK Secondary restraint					1	
38	system provided PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried				· · ·		

No.	Description	Anniset	Citations	Notes	Lat 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)285.3 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)(1)		5/23  A		5/30/19
41	APPLICATION AREA Low Angle Nozzies Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed	1	285.33(d){2)(G)(i) 285.33(d){2)(A} 285.33(d)(2)(F)				
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						

	Comal	County Envi OSSF Inspec		Health		
Installer Name: Winte	15		SSF Installer #:		Y I I I I I I I I I I I I I I I I I I I	
1st Inspection Date: 5/		nd Inspection Date:		3rd Inspection	Date:	
Inspector Name: mike		spector Name:		Inspector		
	-		15100	_		
Permit#: 109058		Addre	ess: 15100	CAGNES	1.1 Irrop. 2nd i	nsp. 3rd Ins
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	285.30 285.30 285.30 285.30 285.30	85.31(a) 0(b)(1)(A)(iv) 0(b)(1)(A)(v) 0(b)(1)(A)(iii) 0(b)(1)(A)(ii) 0(b)(1)(A)(i)			5/23/19	
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	285	5.91(10) 5.30(b)(4) 85.31(d)				
SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	285	5.32(a)(1)				
SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	285	5.32(a)(3)				
SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	285	5.32(a)(5)				
PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements	285.3 285. 285. 285.3 285.3 285.3 285. 285.3 285.32 285.32 285.3	(1)(G)285.32(b)(1 )(E)(iii) 2(b)(1)(E)(iv) .32(b)(1)(F) .32(b)(1)(B) 82(b)(1)(C)(i) 82(b)(1)(C)(ii) .32(b)(1)(C) .32(b)(1)(C) .32(b)(1)(E) .32(b)(1)(E) .32(b)(1)(E)(ii) .32(b)(1)(E)(ii) .2(b)(1)(E)(ii)(1)				
PRETREATMENT Grease Interceptors if required for commercial	. 2	285.34(d)				

MT-5/23/19

Tank set, Leveled operational ~ Ready FOR Cover Remove on Cover Kock in skay.

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o. Description	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If SingleTank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii) 285.32(b)(1)(E)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
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 provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
SEPTIC TANK Tank Volume Installed						
PUMP TANK Volume Installed						
AEROBIC TREATMENT UNIT Size Installed	/		600	5/23/19		
AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		solanaire			
DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(4) 285.33(a)(2)				
7 DISPOSAL SYSTEM Evapo- transpirative		285.33(a)(4) 285.33(a)(1) 285.33(a)(2)		-		

8

to. Description	Anwser Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
DISPOSAL SYSTEM Drip Irrigation	285.33(a)(1)				
	285.33(a)(3)				
	285.33(a)(4)				
	285.33(a)(2)		-		
9 DISPOSAL SYSTEM Soil					
Cubatitution	285.33(d)(4)				
0 Substitution					
DISPOSAL SYSTEM Pumped	285.33(a)(3)				
Effluent	285.33(a)(1)				
1	285.33(a)(2)				
DISPOSAL SYSTEM Gravelless Pipe	285.33(a)(3)				
Dist OSAL STOTEM Graveness Tipe	285.33(a)(2)				
	285.33(a)(4)				
	285.33(a)(1)				
2					
DISPOSAL SYSTEM Mound	285.33(a)(3)				
	285.33(a)(1)				
	285.33(a)(2)				
	285.33(a)(4)				
3					
DISPOSAL SYSTEM Other	285.33(d)(6)				
(describe) (Approved Design)	285.33(c)(4)				
4					
DRAINFIELD Absorptive Drainline					
3" PVC					
411 00 400					
s or 4" PVC					
DRAINFIELD Area Installed					
DRAINFIELD Level to within 1 inch					
per 25 feet and within 3 inches					1
over entire excavation	285.33(b)(1)(A)(v)				1
7					
DRAINFIELD Excavation Width					0
DRAINFIELD Excavation Depth					
DRAINFIELD Excavation					
Separation DRAINFIELD Depth of					
Porous Media					
DRAINFIELD Type of Porous Media					
				1	
×.					
28					1
DRAINFIELD Pipe and Gravel -	285.33(b)(1)(E)				
9 Geotextile Fabric in Place	200,00(2)(2)				
DRAINFIELD Leaching Chambers					1
DRAINFIELD Chambers - Open End					
Plates w/Splash Plate, Inspection					-
Port & Closed End Plates in Place	200 22/-1/21				
(per manufacturers spec.)	285.33(c)(2)				
the management about					
30					
LOW PRESSURE DISPOSAL				1	
SYSTEM Adequate Trench Length					
& Width, and Adequate	285 22/4/(1)(0)(i)				
Separation Distance between	285.33(d)(1)(C)(i)	12			
Trenches					
31				1.	

2

D. Description	Anwser	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
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)				
AEROBIC TREATMENT UNIT IS Aerobic Unit Installed According to Approved Guidelines.	~	285.32(c)(1)		5/23/19		
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	/					
AEROBIC TREATMENT UNIT Chlorinator Properly Installed 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 PUMP TANK Electrical Connections in Approved Junction						

NO.	Description	Anwser	Citations	Notes in a second se	1st Insp.	2nd Insp	3rd Insp.
	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	/	285.33(d)(2)(G)(iii)(11)285.3 3(d)(2)(G)(iii)(111)285.33(d)( 2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(1)		5/23  A		
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	1	285.33(d){2)(G}(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
41	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						



# 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:	109058
Issued This Date:	05/03/2019
This permit is hereby given to:	Jerry L. & Robin G. Stroud

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

15100 CRANES MILL RD CANYON LAKE, TX 78133

Subdivision:Canyon Lake Mobile Home Estate NorthUnit:2Lot:A&BBlock: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.

# \* \* \* COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH \* \* \*

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

Date Apri	11 18, 2019		Permit #	109058
Owner Name	JERRY L & ROBIN G STROUD	Agent Name	GREG W.	JOHNSON, P.E.
Mailing Address	172 CREEKSIDE VILLA	Agent Address	100 Carlos	OLLOW OAK
City, State, Zip	KYLE TEXAS 78640	- City, State, Zip	NEW BRAU	NFELS, TX 78132
Phone#	214-906-3791	Phone #	(830)	905-2778
Email	robingstroud@yahoo.com	Email	gregjohnso	npe@yahoo.com
All correspondence	should be sent to: 🗌 Owner 🛛 Agent	Both	Method: 🗌 Mail	Email
Subdivision Name	CANYON LAKE MOBILE HOME ESTATES NORTH Unit/Ph	ase/Section 2	Lot A&B	Block
Acreage/Legal				
Street Name/Addres	ss 15100 CRANES MILL ROAD	City C	ANYON LAKE	Zip 78133
Type of Developme	ent:			RECEIVED
Single Family Re	esidential			
Type of Const	truction (House, Mobile, RV, Etc.)	MOBILE HO	ME	APR 26 2019
Number of Be Indicate Sq Ff	t of Living Area 1568			COUNTY ENGINEER
(Planning materials) Type of Facili	nstitutional Facility s must show adequate land area for doubling t ty pries, Churches, Schools, Parks, Etc Ind			and disposal area)
	Lounges, Theaters - Indicate Number of S			
Hotel, Motel,	Hospital, Nursing Home - Indicate Numbe	r of Beds		
Travel Trailer	/RV Parks - Indicate Number of Spaces			
Miscellaneous	S			
Estimated Cost of C		ture Only)		
	e proposed OSSF located in the United Sta yes, owner must provide approval from USACE fo			
	Public  Private Well evices Being Utilized Within the Residence	e? 🛛 Yes 🗌 No	)	
-Authorization is hereby site/soil evaluation and	on, I certify that: ion and all additional information submitted does no given to the permitting authority and designated ag I inspection of private sewage facilities. permit of authorization to construct will not be issue	ents to enter upon the a	bove described property	for the purpose of
by the Comal County F	lood Damage Prevention Order. to the online posting/public release of my e-mail add			
$C l_{m}$	T (John J. Strau	× 4/29	5/19	
Signature of Owner	•	Date		Page I of 2

Revised July 2018

CANYON LAKE MOBILE HOMES ESTATES NORTH, Unit 2, Lot A&B

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

Planning Materials & Site Evaluation as Required Completed By GR	EG W. JOHNSON, P.E.
System Description PROPRIETARY; AEROBIC TREA	ATMENT AND SURFACE IRRIGATION
Size of Septic System Required Based on Planning Materials & Soil Ex	valuation
SOLAR AIR SA600LP         Absorption	Application Area (Sq Ft) 4035
Gallons Per Day (As Per TCEQ Table III)       240         (Sites generating more than 5000 gallons per day are required to obtain a per	mit through TCEQ) RECEIVED
Is the property located over the Edwards Recharge Zone? Yes (If yes, the planning materials must be completed by a Registered Sanitarian ( Is there an existing TCEQ approved WPAP for the property? Yes	
(if yes, the R. S. or P. E. shall certify that the OSSF design complies with all pro-	
If there is no existing WPAP, does the proposed development activity (If yes, the R.S. or P. E. shall certify that the OSSF design will comply with all not be issued for the proposed OSSF until the proposed WPAP has been appr	provisions of the proposed WPAP. A Permit to Construct will
Is the property located over the Edwards Contributing Zone? ⊠ Yes Is there an existing TCEQ approval CZP for the property? ☐ Yes [ (if yes, the P.E. or R.S. shall certify that the OSSF design complies with all pro- If there is no existing CZP, does the proposed development activity re- (if yes, the P.E. or R.S. shall certify that the OSSF design will comply with all pro- not be issued for the proposed OSSF until the CZP has been approved by Is this property within an incorporated city? ☐ Yes ⊠ No- If yes, indicate the city:	equire a TCEQ approved CZP? Yes No rovisions of the proposed CZP. A Permit to construct will)
By signing this application, I certify that: - The information provided above is true and correct to the best of my knowledg - I affirmatively consent to the online posting/public release of my e-mail address	

Signature of Designer

April 19, 2019

Page 2 of 2 **Revised July 2018** 

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

Date

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

April 20, 2019

Comal County Office of Environmental Health 195 David Jonas Drive New Braunfels, Texas 78132-3760 APR 26 2019

RE- Septic Design

15100 CRANES MILL ROAD CANYON LAKE MOBILE ESTATES NORTH, U2, Lot A&B CANYON LAKE, TX 78133 STROUD RESIDENCE COUNTY ENGINEER

Ms. Ritzen/Hernandez,

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,

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





### AFFIDAVIT



906014120 04/26/2019 10:39:54 AM 1/2

### **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.

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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.

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 A & B LOT CANYON LAKE MOBILE HOMES ESTATES NORTH SUBDIVISION

IF NOT IN SUBDIVISION: \_\_\_\_\_ ACREAGE

THE COUNTY OF COMAL

STATE OF TEXAS

SURVEY

The property is owned by (insert owner's full name):

JERRY L. STROUD & ROBIN G. STROUD

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.

WHENESS BY HAND(S) ON THIS 25 DAY OF Owner(s) signature(s) Owner (s) Printed name (s) SWORN TO AND SUBSCRIBED BEFORE ME ON THIS DAY OF THIS AREA FOR COMAL COUNTY CLERK RECORDING PURPOSES ONLY Signature GREG W. JOHNSON Notary Public, State of Texas Comm. Expires 05-17-2022 Notary ID 124218310 (Notary Seal Here)

# **AFFIDAVIT TO THE PUBLIC**

### THE COUNTY OF COMAL § STATE OF TEXAS §

 JERRY L. STROUD & ROBIN G.

 Before me, the undersigned authority, on this day personally appeared
 STROUD

 who after being by me duly sworn, upon oath state that they are the owner of record of that certain tract or parcel of land lying and being situated in Comal County, Texas, and being more particularly described as follows:

2	BLOCK A&B	LOT <u>CANYON LAKE MOBILE HOM</u>	ES ESTATES NORTH SUBDIVISION
IF NOT IN SUBDIVISION:	ACREAGE		SURVEY
The undersigned further state boundary between the proper Any buyer or transferee is he	rties. These properties	cannot be sold separately and	· ·
		1	APR <b>26</b> 2019
WITNESS MY/OUR HANI	$D(S)$ on this $\frac{25}{4}$ day	sobin S. Stroud	19 COUNTY ENGINEE
JERRY L. STROUD		BING. STROUD	
SWORN TO AND SUBSCR	RIBED BEFORE ME	on this <u>c</u> day of <u>rpr</u>	<u>//, 20_19</u> .
Mague			
Notary Public Signatu			
Notary Public, State Comm. Expires 05- Notary ID 1242	e of Texas -17-2022	Filed and Recorde	ed

Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 04/26/2019 10:39:54 AM TERRI 2 Page(s) 201906014120

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

RECEIVED APR 26 2019 COUNTY ENGINEER

Routine Maintenance and Inspection Agreement

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

(referred to as "Client") and David Winters Septics, LLC. Inc. (hereinafter referred to as "Contractor") located at 15100 Cranes Mill Road / CL Mobile Homes Estates North, U2, Lot A&B . Date beginning on LTO 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, ie, 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

**David Winters Septics, LL** 

Spring Branch, Texas 78070

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

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APR 26 2019

PO Box 195 COUNTY ENGINEER

JERRY L. & ROBIN G. STROUD Name

15100 CRANES MILL ROAD Address

CANYON LAKE, TX 78133

City, State

Phone # 214-906-3791

f Home

\_\_\_\_\_

MP#0001686

Signature of Contractor

PAGE 2 OF 2

### **ON-SITE SEWERAGE FACILITY** SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed: \_\_\_\_\_ April 18, 2019

Site Location: \_\_\_\_ CANYON LAKE MOBILE HOME ESTATES NORTH, UNIT 2, LOTS "A" & "B"

N/A Proposed Excavation Depth:

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**Requirements:** 

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

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.

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

SOIL BORING	NUMBER SURI	FACE EVALUAT	ION			
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0	SAME		AS		ABOVE	
2						
3	-				w.	
4	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.

09/18/19

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

Date

# **OSSF SOIL EVALUATION REPORT INFORMATION**

#### April 19, 2019 Date:

#### ... 4 T P

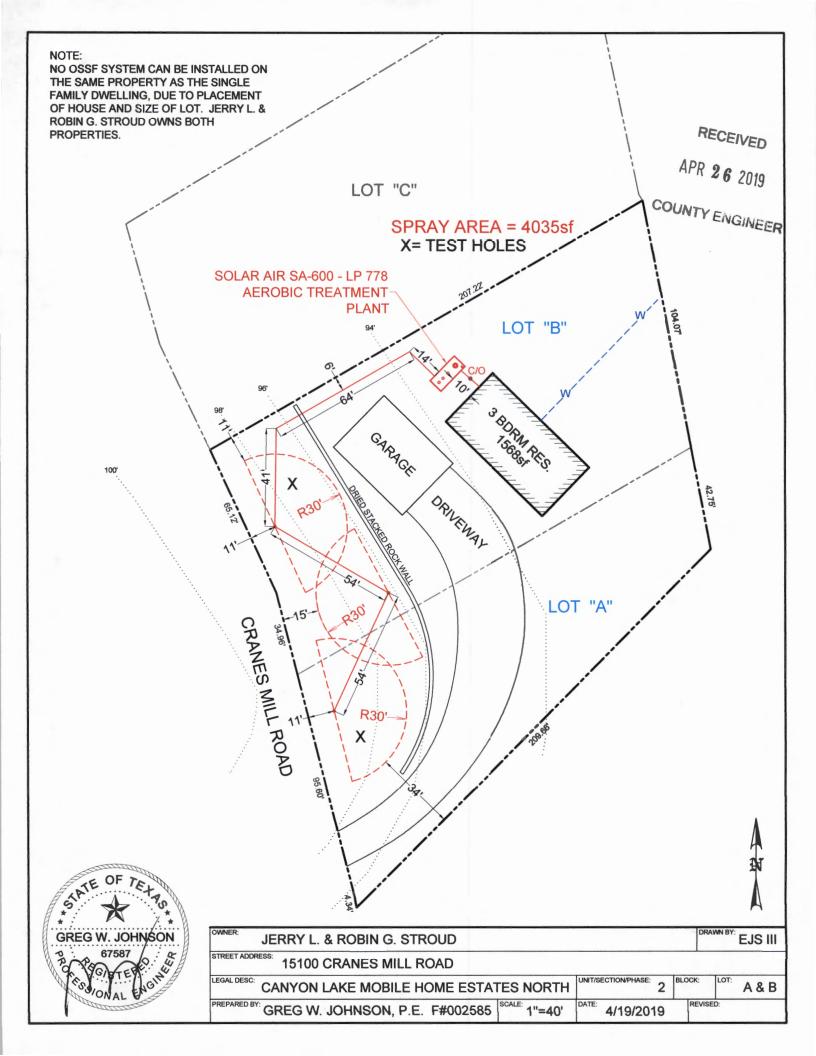
Applicant Information:		
	Site Evaluator Informat	ion:
Name: JERRY L. & ROBIN G. STROUD	Name: Greg W. Johnson,	P.E., R.S., S.E. 11561
Address: 172 CREEKSIDE VILLA	Address: 170 Hollow Oa	
City: KYLE State: TEXAS	City: New Braunfels	State: Texas
Zip Code: 78640 Phone: (214) 906-3791	Zip Code: 78132 Pho:	ne & Fax (830)905-2778
Property Location:	<b>Installer Information</b>	on:
Lot Unit Blk Subd LANYON LAKE MOBILE HOME ESTATE		
Street Address: 15100 CRANES MILL ROAD		
City: CANYON LAKE Zip Code: 7813	3 Address:	State:
Additional Info.: LOTS "A" & "B"	City:	State:
	Zip Code:	Phone <u>RECEIVED</u>
<b>Topography:</b> Slope within proposed disposal area:	4 to 10 %	
Presence of 100 yr. Flood Zone:	YESNO_X	APR 26 2019
Existing or proposed water well in nearby area.		
Presence of adjacent ponds, streams, water impoundments	YESNO_X	COUNTY ENGINEER
Presence of upper water shed	YES NO_X	
Organized sewage service available to lot	YES NO_X	
Design Calculations for Aerobic Treatment with Sp	oray Irrigation:	
Commercial		
Q = GPD		
Residential Water conserving fixtures to be utilized?	Yes <u>X</u> No	
Number of Bedrooms the septic system is sized for:	<u>3</u> Total sq. ft. living	area <u>1568</u>
Q  gal/day = (Bedrooms  +1) * 75  GPD - (20%  reduction)	n for water conserving fixt	ures)
Q = (3 +1)*75-(20%) = 240		
Trash Tank Size <u>376</u> Gal.		
TCEQ Approved Aerobic Plant Size 600	G.P.D.	
Req'd Application Area = $Q/Ri = 240$ /0	.064 = 3750	sq. ft.
Application Area Utilized = $4035$ sq. ft.		
Pump Requirement <u>12</u> Gpm @ <u>41</u> Psi (R	edjacket 0.5 HP 18 G.P.M.	series or equivalent)
Dosing Cycle: ON DEMAND or	TIMED TO DOSE IN PRI	EDAWN HOURS
Pump Tank Size = <u>778</u> Gal. <u>18.75</u> (	Gal/inch.	
Reserve Requirement = $80$ Gal. 1/3 day flow		
Alarms: Audible & Visual High Water Alarm & Visua	al 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	MAINTAINED WITH VEG	ETATION.
I HAVE PERFORMED A THOROUGH INVESTIGATIO	N BEING A REGISTERED	PROFESSIONAL ENGINEER

NGINEER ł 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. F#002585 - S.E. 11561

TET C GREG W. JOHNSON SSIONAL Aller .....

FIRM #2585



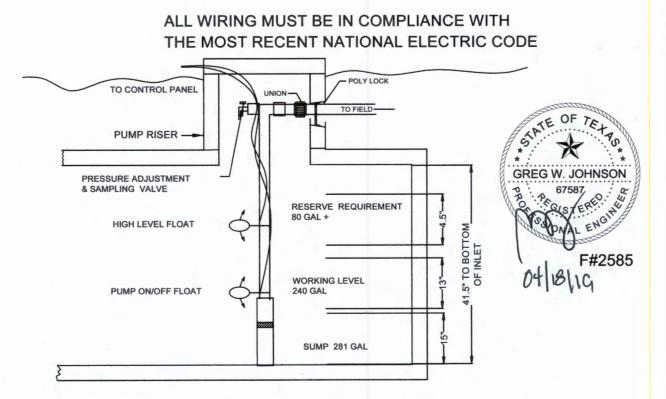
# TANK NOTES:

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

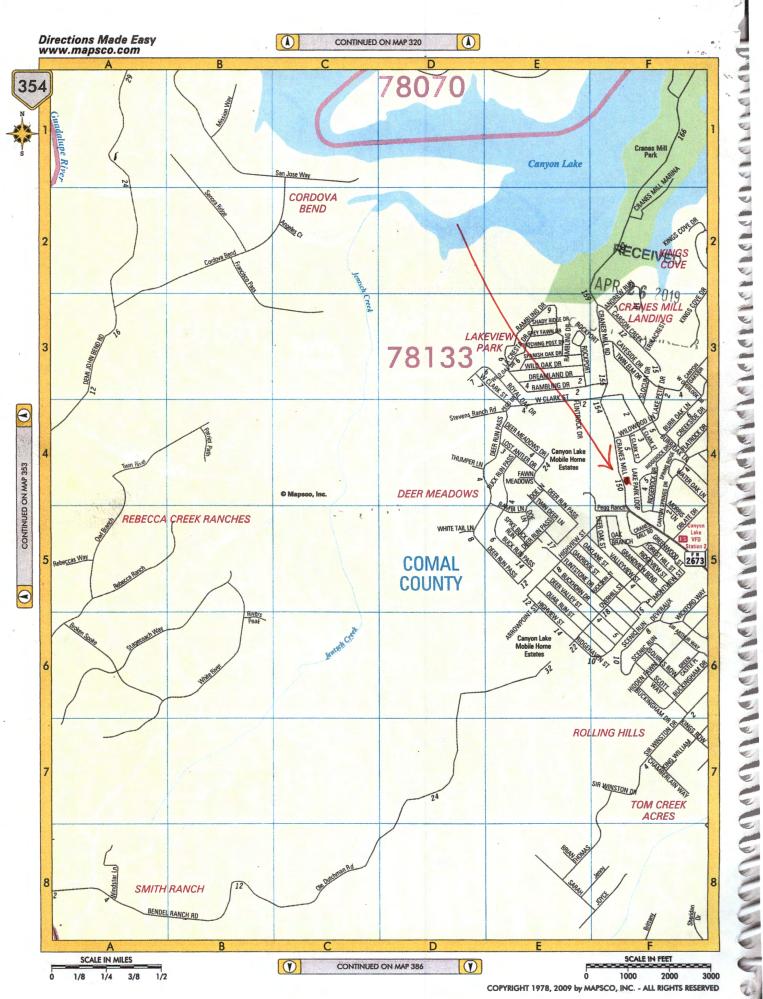


# TYPICAL PUMP TANK CONFIGURATION SOLAR-AIR SA-600 LP 778 GAL PUMP TANK

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NEW BRAUNFELS TITLE CO. CANYON LAKE OFFICE BI GF# 0X 7008 08 15

> 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**

THE STATE OF TEXAS

§ KNOW ALL MEN BY THESE PRESENTS: §

THAT DAVID L. ROSECRANS and wife, KAREN M. KNIGHT, 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 JERRY L. STROUD and wife, ROBIN G. STROUD, hereinafter called Grantee, the receipt and sufficiency 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:

Lots A and B, CANYON LAKE MOBILE HOME ESTATES NORTH UNIT NO. 2, a subdivision in Comal County, Texas, according to map or plat recorded in Volume 4, Page 86, Map and Plat Records, Comal 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 Cornal County, Texas.

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

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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 May, 2018.

APR 26 2019 COUNTY ENGINELR ROSEC

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STATE OF TEXAS COUNTY OF COMAI

This instrument was acknowledged before me on this the <u>7</u> day of <u>2018</u>, 2018, by DAVID L. ROSECRANS and wife, KAREN M. KNIGHT.

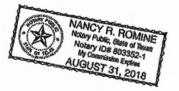
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nen

Public in and for the State of Texas

Grantee's Mailing Address:

9162.Deeds New Braunfels Title Co (NR) GF 87008NBT



Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 05/08/2018 01:19:42 PM LAURA 2 Pages(s) 201806017704

2

Bobbie Koepp

### COUNTY OF COMAL

OSSF DEVELOPMENT APPLICATION CHECKLIST

### COUNTY ENGINEER'S OFFICE

Permit Number

items Date Received	initials

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 Line storage to Operate

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

X 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

Copy of Recorded Deed

\_\_\_\_\_ Surface Application/Aerobic Treatment System

Kecorded Certification of OSSF Requiring Maintenance/Affidavit to the Public

X 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

04/26/19

COMPLETE APPLICATION

Check No.

Receipt No.

**INCOMPLETE APPLICATION** 

(Missing Items Circled, Application Refused)

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COUNTY ENGIN\_\_R