

### Comal County OFFICE OF COMAL COUNTY ENGINEER

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

Issued This Date:	03/20/2019		Permit Number:	108384
Location Description:	1360 HILLTO NEW BRAUN	P RDG Fels, TX 78132		
	Subdivision: Unit: Lot: Block: Acreage:	Summit Extension 7 408		
Type of System:	Aerobic Surface Irrigation	on		
Issued to:	Jim & Melissa	Kautz		

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.

ENVIRONMENTAL HEALTH INSPECTOR

Licensing Authority **Comal County Environmental Health** OS0007 ENVIRONMENTAL HEALTH COORDINATOR

OS0034322

		Comal County El OSSF Insp	pection Sheet			×	
Ist Inspection Date: 3.1.	ide	Const 2nd Inspection Date	055F Installer #: 05	3rd Inspection Date:	3.	19.19	
Inspector NameS. Helm	n	Inspector Name: a	nerrea d.	Inspector Name:	OM	nareu	R.
Permit#: 108384	Anwser	A	ddress: 1360 Hill	top Rolg -	Su	2nd Insp.	t En
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	1	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)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(ii)	HOLD	3.1			
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	1	285.91(10) 285.30(b)(4) 285.31(d)				к	
SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	$\checkmark$	285.32(a)(1)					
SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	1	285.32(a)(3)					
SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	J	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)(1 )(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(iii) 285.32(b)(1)(C) 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) 285.32(b)(1)(E)(II)(II)					
PRETREATMENT Grease Interceptors if required for commercial		285.34(d)					
tank check tank set, can cove tank a line	one	) - operational el-need revise	System turned	g. Check alarm	15	3.1 Cove	real

No.		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)(iii)(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)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(E)(iv)		3.1.19		
	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used	$\checkmark$	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	$\checkmark$	285.38(d)				
10	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	1	285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed	V					
13	PUMP TANK Volume installed	$\checkmark$					
14	AEROBIC TREATMENT UNIT Size Installed	V		600			
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	1		Clearstream			
	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(2) 285.33(a)(3)				
16	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 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)		-		

lo. Description	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
DISPOSAL SYSTEM Drip Irriga	ation	285.33(a)(1)				
		285.33(a)(3)				S. A. DE
		285.33(a)(4)				A.S. A. A.
A		285.33(a)(2)				
3		203.33(a/(2)				
DISPOSAL SYSTEM Soil						
Substitution		285.33(d)(4)				1.
DISPOSAL SYSTEM Pumped		285.33(a)(4)				
Effluent		285.33(a)(3)				
		285.33(a)(1)			1 Second Second	1 Section States
		and and time				
DISPOSAL SYSTEM Gravelles	is	285.33(a)(3)				
Pipe		285.33(a)(2)				
		285.33(a)(4)				
		285.33(a)(1)				
2						
DISPOSAL SYSTEM Mound		285.33(a)(3)				
	1 1	285.33(a)(1)				
		285.33(a)(2)				
		285.33(a)(4)				1.1.1.2.1.1.2
3		205.35[8][4]				
DISPOSAL SYSTEM Other		205 22/4//51				
(describe) (Approved Design	1	285.33(d)(6)				
Inescribes (white one pesign	"	285.33(c)(4)				
4						
DRAINFIELD Absorptive Dra	inline					
3" PVC				1		1
						Section 2
s or 4" PVC						A STATE
DRAINFIELD Area installed						
6						
<b>DRAINFIELD</b> Level to within						a secondaria
per 25 feet and within 3 inc	hes					
over entire excavation		285.33(b)(1)(A)(v)			-	A Charles
						A PROPERTY
7			and the second			
DRAINFIELD Excavation Wid						1.
DRAINFIELD Excavation De	pth					1
DRAINFIELD Excavation						a station of
Separation DRAINFIELD Dep	ath of					and the second
Porous Media						
and the second se						1000
DRAINFIELD Type of Porous						
Media						1 1 1 1 1 1 1 1 1
1						
28						
DRAINFIELD Pipe and Grave	el -					
Gentertile Fahrir in Place		285.33(b)(1)(E)				
					1	
DRAINFIELD Leaching Cham						
DRAINFIELD Chambers - Op	en					
End Plates w/Splash Plate,						
Inspection Port & Closed En	nd					
		285.33(c)(2)				
Plates in Place (per						
manufacturers spec.)						
30						
LOW PRESSURE DISPOSAL						
SYSTEM Adequate Trench	Length					
& Width, and Adequate		295 22/4/11/01/1				
Separation Distance betwe	en	285.33(d)(1)(C)(i)				
Trenches						
ITERICIES	1				1	

e. Description EFFLUENT DISPOSAL SYSTEM Utilized	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
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.	1	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						
AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.	1			3.1.19	/	14. 
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						
I materiality						

# **Comal County Environmental Health**

**OSSF Inspection Sheet** 

	PUMP TANK Electrical		1 · ·	1		-
	Connections in Approved	1				
39	Junction Boxes / Wiring Buried				-	

No	Description	Anwser	Citations	Notes	1st Insp.	Znd 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)(iii) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(I) 285.33(d)(2)(G)(III)(I)		3.1.19	arm map.	310 Hop.
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)	See wees			
42	APPLICATION AREA Area Installed	/				/	
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

	1.7.32		nvironmental Healt pection Sheet				
nstaller Name: Country	ide.	Const.	OSSF Installer #: 05000	2929			
1st Inspection Date: 3.1.	19	2nd Inspection Dat		spection Date:_			
Inspector NameS, Helm	he	Inspector Name:		spector Name:	-		1. 0
Permit#: 108384	Anwser	Citations	Address: 1360 Allto	PKdq-	- 24	2nd Insp.	J 3rd Insi
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)(ii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)		3.1			
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	J	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)	$\checkmark$	285.32(a)(1)					
SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	1	285.32(a)(3)					
SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	J	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){1 )(E)(iii) 285.32(b)(1)(E)(iv) 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) 285.32(b)(1)(E)(ii)(li) 285.32(b)(1)(E)(ii)(li) 285.32(b)(1)(E)(ii)(li)					
PRETREATMENT Grease Interceptors if required for		285.34(d)					

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- Tunk not carered. or when
- funk in lo c see
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No.	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)(ll) 285.32(b)(1)(E)(ii)(ll) 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)(B) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)		3.1.19		
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used	$\checkmark$	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	$\checkmark$	285.38(d)				
10	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	1	285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed	$\checkmark$					
13	PUMP TANK Volume installed	$\checkmark$					
14	AEROBIC TREATMENT UNIT Size	V		600			
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	1		Clearstream			
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(2) 285.33(a)(3)				
10	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)				

IO.		Anwser	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
	DISPOSAL SYSTEM Drip trrigation		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)(4) 285.33(a)(3) 285.33(a)(1)				
	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)				
The second second	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						
	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)				
8	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
9	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)				

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)			/	
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	**		3.1.19	/	
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						

Connections in Approved Junction Boxes / Wiring Buried	PUMP TANK Electrical	
39 Junction Boxes / Wiring Buried	Connections in Approved	
	39 Junction Boxes / Wiring Buried	

No.		Anwser	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)285.3 3(d)(2)(G)(iii)(III)285.33(d)( 2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)		3.1.19		<u>3ra insp.</u>
	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)	See wees			
2	APPLICATION AREA Area Installed						
	PUMP TANK Meets Minimum Reserve Capacity Requirements						and a strong
	PUMP TANK Material Type & Manufacturer						
	PUMP TANK Type/Size of Pump Installed						

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	, , ,	Comal County E							
		OSSF Ins	pection She	et			ي.	¢*	
Installer Name: Country	ide	Const	OSSF Installer #:	0500020	129				
1st Inspection Date: 3.1.	9	2nd Inspection Dat	e:	3rd Inspect	on Date:				
Inspector NameS, Helm	he	Inspector Name:		Inspect	or Name:			- 46	
Permit#: 108384			Address: 1360	Hildtop !	2da.	- Su	mm	H &	et
No. Description	Anwser	Citations	No	otes	11	insp.	2nd insp.	3rd Insp	<u>р.                                    </u>
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	<b>_</b>	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)			3.1	. \9			
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	J	285.91(10) 285.30(b)(4) 285.31(d)	je V j	<u></u>					·······
SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	$\checkmark$	285.32(a)(1)							
SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	$\checkmark$	285.32(a)(3)							
SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	$\checkmark$	285.32(a)(5)							
5 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)(F) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C) 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)							
PRETREATMENT Grease Interceptors if required for commercial		285.34(d)							

tank check only tank set, level can cove tank a lines

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	Description	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
	IK Tank(s) Clearly		285.32(b)(1)(E)				
1 1	PTIC TANK IF		285.91(2)				
SingleTank,			285.32(b)(1)(F)				
	ents Provided with		285.32(b)(1)(E)(iii)				
1 1	IC TANK Inlet Flowline		285.32(b)(1)(E)(ii)(II)				
Greater tha	1		285.32(b)(1)(E)(ii)(i)				
1 1	Provided on Inlet and		285.32(b)(1)(E)(i)				
Outlet		,	285.32(b)(1)(D)				
	K Septic Tank(s) Meet	$\checkmark$	285.32(b)(1)(C)(ii)		, a		
Minimum R	equirements		285.32(b)(1)(C)(i)		3.1.19		
			285.32(b)(1)(B)		J		
			285.32(b)(1)(A)		1		
			285.32(b)(1)(E)(iv)				
8							
	Installed on 4" Sand						
Cushion/ Pr	oper Backfill Used		285.32(b)(1)(F)				
		$\checkmark$	285.32(b)(1)(G)				
			285.34(b)				
9	K Inspection / Clean						
	Risers Provided on	1					
	d Greater than 12"		205 20/-0				
Sealed and		v	285.38(d)				
	K Secondary restraint						
system prov							
	K Riser permanently	/					1
	lid or cast into tank	$\checkmark$					
1 1	K Riser cap protected						
	uthorized intrusions		285.38(d)				
			285.38(e)				
	K Tank Volume						
Installed	k Tank volume						
12							
PUMP TAN	K Volume installed	$\checkmark$					
13							
1 [	REATMENT UNIT Size						
Installed		$\mathbf{V}$					
14		V.		600			
	REATMENT UNIT				T		
Manufactur		,					
	REATMENT UNIT			Clearstream			
Model		v		Maistream			
15 Number							
DISPOSAL S	YSTEM Absorptive		285.33(a)(4)				
			285.33(a)(1)				
	İ		285.33(a)(2)				
16	······		285.33(a)(3)				
	YSTEM Leaching		285.33(a)(1)				
Chamber			285.33(a)(3)				
			285.33(a)(4)			l	
17			285.33(a)(2)				
1 1	SYSTEM Evapo-		285.33(a)(3)				
transpirativ	e		285.33(a)(4)				
			285.33(a)(1)		l.		
18			285.33(a)(2)	L	<u> </u>		

No.	Description	Anwser	Citations	Notes	1st insp.	2nd insp.	3rd Insp.
	DISPOSAL SYSTEM Drip Irrigation		285.33(a)(1)		1		
			285.33(a)(3)		1		
			285.33(a)(4)	· · ·			
			285.33(a)(2)				
19	- 124 						
	DISPOSAL SYSTEM Soil		285.33(d)(4)		[		ļ.
20	Substitution		203.35(0)(4)	_			
	DISPOSAL SYSTEM Pumped		285.33(a)(4)				
	Effluent		285.33(a)(3)				
			285.33(a)(1)				· .
21	DISPOSAL SYSTEM Gravelless		DOC OOL HON				· · · ·
			285.33(a)(3)			1	
	Pipe		285.33(a)(2)				
			285.33(a)(4)			1	
22			285.33(a)(1)				
	DISPOSAL SYSTEM Mound		285.33(a)(3)	······································		1	
			285.33(a)(1)		1	1	
			285.33(a)(2)				-
	1.11		285.33(a)(4)				1.1
23			(*/( ()				`
	DISPOSAL SYSTEM Other		285.33(d)(6)				
	(describe) (Approved Design)		285.33(c)(4)			1	
24		1					
24	DRAINFIELD Absorptive Drainline				1	+	
	3" PVC						
	or 4" PVC						
25							<u> </u>
26	DRAINFIELD Area installed						
20	DRAINFIELD Level to within 1 inch			······································		1	
	per 25 feet and within 3 inches						
	over entire excavation		285.33(b)(1)(A)(v)				
27	DRAINFIELD Excavation Width	· · ·					
	A Martin and a first	t uNas territoria				1.	1
	DRAINFIELD Excavation Depth						
	DRAINFIELD Excavation						
	Separation DRAINFIELD Depth of	1.14				~	
	Porous Media				7 		
	DRAINFIELD Type of Porous						
	Media				1	•	
						[	1. Sec. 1.
28							
20	DRAINFIELD Pipe and Gravel -	·			+		<u> </u>
	Geotextile Fabric in Place		285.33(b)(1)(E)				
29	1					·	<u> </u>
	DRAINFIELD Leaching Chambers						
	DRAINFIELD Chambers - Open						
	End Plates w/Splash Plate,						
	Inspection Port & Closed End		285.33(c)(2)		]		
	Plates in Place (per						
	manufacturers spec.)				}		
30					+		
	LOW PRESSURE DISPOSAL						
	SYSTEM Adequate Trench Length				1		1
	& Width, and Adequate		285.33(d)(1)(C)(i)				1
	Separation Distance between						
	Trenches						1

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No. 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.	1. 	285.32(c){1)	5			1. 1. 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						
AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.				3.1.19		
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 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?	<ul> <li>Image: A second s</li></ul>	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)(ii) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(i)		3.1.19		
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
42	APPLICATION AREA Area installed		en en fan en Alfreden kommen en fan en en en en en fan en	n a series de la constante de La constante de la constante de			
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:	108384
Issued This Date:	11/27/2018
This permit is hereby given to:	Jim & Melissa Kautz

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

1360 HILLTOP RDG NEW BRAUNFELS, TX 78132

Subdivision:Summit ExtensionUnit:7Lot:408Block: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

Staff	will	complete	shadeo	

tems	Date	Received	initial

	08384	
Perm	it Number	

COUNTY ENGINEER

Instructions:

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

OSSF Permit

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

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

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

Kequired Permit Fee	NOV 2 0 2018

\_\_\_\_\_ 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.

unature of Applicant

11/20/18

COMPLETE APPLICATION Receipt No. Check No.\_\_

INCOMPLETE APPLICATION (Missing Items Circled, Application Refused)

### \* \* \* 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 2, 2018		Permit #	08384					
Owner Name	JIM & MELISSA KAUTZ	Agent Name	GREG W	JOHNSON, P.E.					
- Mailing Address	2325 6TH ST N	Agent Address		OLLOW OAK					
City, State, Zip	TEXAS CITY, TEXAS 77590	City, State, Zip		INFELS, TX 78132					
Phone#	830-822-0373	Phone #		905-2778					
Email	jkautzjr77@yahoo.com	Email		onpe@yahoo.com					
All correspondence	e should be sent to: Owner X Agent	Both	Method: 🗌 Mail	Email					
Subdivision Name	SUMMIT EXTENSION Unit/Pha	se/Section PHASE 7	Lot 408	Block					
Acreage/Legal									
Street Name/Add	ress 1360 HILLTOP RIDGE	City NE	W BRAUNFELS	Zip78132					
Type of Develop	ment:			RECEIVED					
Single Family	Residential								
Type of Co	nstruction (House, Mobile, RV, Etc.)	HOUSE		NOV 2 0 2018					
Number of	Bedrooms 3								
Indicate Sq	Ft of Living Area1753			COUNTY ENGINEER					
Commercial or Institutional Facility (Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area) Type of Facility Offices, Factories, Churches, Schools, Parks, Etc Indicate Number Of Occupants Restaurants, Lounges, Theaters - Indicate Number of Seats Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds Travel Trailer/RV Parks - Indicate Number of Spaces Miscellaneous									
	f Construction: \$ 275,000 (Struct the proposed OSSF located in the United Sta		Engineers (USACE	) flowage easement?					
	(if yes, owner must provide approval from USACE for								
	Public Private Well	e? 🛛 Yes 🗔 N	)						
By signing this applic - the completed applic -Authorization is here site/soil evaluation -I also understand that by the Cornal Count		contain any false informents to enter upon the a duntil the Floodplain A	nation and does not cor bove described propert dministrator has perform	y for the purpose of ned the reviews required					
í. A		11-9-18							
Signature of Owner		11-9-18 Date		Page I of 2					

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

SUMMIT EXTENTION,	PHASE 7, LOT 408
* * * 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>	108384
Planning Materials & Site Evaluation as Required Completed By GREG W. JOHNSON, P.E.	<u> </u>
System Description PROPRIETARY; AEROBIC TREATMENT AND SURFACE IRRIGATION	ON
Size of Septic System Required Based on Planning Materials & Soil Evaluation	
Tank Size(s) (Gallons)       CLEARSTREAM 600NC3T       Absorption/Application Area (Sq Ft)	5654
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.))	RECEIVED NOV <b>2 0</b> 2018
Is there an existing TCEQ approved WPAP for the property? X Yes No	,
(if yes, the R. S. or P. E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)	COUNTY ENGINEEF
If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? [ (If yes, the R.S. or P. E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Perr 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 X No (if yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP)	
If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? (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 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? $\Box$ Yes $\bigotimes$ No	
If yes, indicate the city:	<b>#2585</b>
By signing this application, I certify that: - The information provided above is true and correct to the best of my knowledge. Affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as November 7, 2018	applicable

Signature	Designer
-----------	----------

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

November 7, 2018

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

RECEIVED

NOV 2 0 2018

RE-SEPTIC DESIGN 1360 HILLTOP RIDGE SUMMIT EXTENSION, PHASE 7, LOT 408 NEW BRAUNFELS, TX 78132 KAUTZ RESIDENCE

COUNTY ENGINEER

Ms. Brenda Ritzen/Sandra Hernandez,

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

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



### AFFIDAVIT



THE COUNTY OF COMAL STATE OF TEXAS 1806044913 11/20/2018 11:41:05 AM 1/1 CERTIFICATION OF OSSF REQUIRING MAINTENANCE RECEIVED 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. NOV 2 0 2018 The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Addition ODUNTY ENGINEER 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. Π An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code §285.91(12) will be installed on the property described as (insert legal description): UNIT/PHASE/SECTION \_\_\_\_\_ BLOCK 408 LOT \_\_\_\_ SUMMIT EXTENSION SUBDIVISION IF NOT IN SUBDIVISION: \_\_\_\_\_\_ ACREAGE \_\_\_\_\_\_ SURVEY JIM KAUTZ & MELISSA KAUTZ 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-year service policy, the owner of an aerobic treatment system for a single family residence shall either obtain a maintenance contract within 30 days or maintain the system personally. Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from the Comal County Engineer's Office. WITNESS BY HAND(S) ON THIS 9 DAY OF November .20\_

Owner(s) signature(s)

(Notary Seal Here)

Jin Kantz Melissa Kawtz Owner (s) Printed name (s)

Jim+ Mellssa KAUTZ SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 9 DAY OF THIS AREA FOR COMAL COUNTY OF FRE RECORDING DI PROSES ONLY 18 20 Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Notary Public Signature Comal County, Texas 11/20/2018 11:41:05 AM CATHY HAMEL NOTARY PUBLIC [ERRI 1 Page(s) STATE OF TEXAS Y COMM. EXP. 02/23/2021 201806044913 NOTARY ID 12518695-7 Babbie Keepp

Countryside Construction, Inc. 300 Chapman Parkway, Canyon Lake, TX. 78133 Phone: 830-899-2615 or 1-888-379-3721 Fax: 830-899-6662 Septic System Service Agreement In consideration of payment for this service contract, we will ablde by and agree to its terms and conditions:
Name: JIM KAUTZ & MELISSA KAUTZ Address: 1360 HILLTOP RIDGE
Sub-Div./County: SUMMIT EXTENSION / COMAL City, State-Zip: NEW BRAUNFELS, TX 78132         Permit #:       Model #: CLEARSTREAM 600NC3T       Serial #:       RECEIVED         Phone #:       830-822-0373       830-822-0373       830-822-0373
(X) Initial Two Year Service Agreement () One Year Service Agreement
The effective date of this initial maintenance contract shall be the date the License to Operate is issued. COUNTY ENGINEER Legal Description: SUMMIT EXTENSION, PHASE 7, LOT 408
This contract will be in effect FROM LTO TO and will provide the following:
<ul> <li>A: An inspection/service call every (4) four months which will include: inspection, adjustments and servicing of the mechanical &amp; electrical components as necessary to insure proper function of the system.</li> <li>B: An effluent quality inspection consisting of a visual check for color, turbidity, scurn, overflow and odor.</li> <li>C: The property owner is responsible for "purchasing and keeping chlorine" in the chlorinator, (if applicable). If the chlorine test reveals <u>"No Chlorine"</u> in the system, the property owner may incur an additional cost.</li> <li>D: If any improper operation is observed (which cannot be corrected at that time) the property owner will be notified immediately of the conditions and the estimated cost.</li> <li>E: The response time to a complaint by the property owner regarding operation of the system, shall be within <u>"48 hours,</u>" from the time of notification.</li> <li>F: <u>ANY PARTS, WARRANTY OR NON-WARRANTY, OR FREIGHT CHARGES, LABOR OR SERVICE CALLS DUE NOT PAID FOR REMAIN THE PROPERTY OF COUNTRYSIDE CONSTRUCTION AND COULD RESULT IN REPOSSION OF PARTS BY COUNTRYSIDE CONSTRUCTION.</u></li> <li>G: <u>THE SIGNING OF THIS SERVICE AGREEMENT AUTHORIZESCOUNTRYSIDE CONSTRUCTION TO ENTER THE PROPERTY TO EXECUTE ALL TERMS OF THIS CONTRACT.</u></li> </ul>
Countryside Construction, Inc., will warranty installation of the septic system to be according to state and county regulations and the designs approved by the county. HOMEOWNER WILL BE RESPONSIBLE FOR SERVICE CALLS, LABOR AND SHIPPING COSTS ON ANY "WARRANTED PARTS" EXCHANGED DURING WARRANTY. All other
components will be according to manufacture's warranties. Important: As Countryside Construction, Inc. <u>cannot control</u> what or how much effluent goes into this septic system, we <u>cannot warranty</u> how the system will function. Refer to manufacturers or installer's instructions, for suggestions on septic operation. This service agreement <u>does not</u> cover the cost of "Service Calls, Labor or Materials that are required or parts out of warranty, the failure to maintain electrical power to the system, sprinklers that are broken, leaking, stopped-up or otherwise mal-functioning; or sewage flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvents, grease, oil, paints, etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available at an additional cost. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost. This contract <u>does not</u> include the <u>pumping of a tank</u> or of any <u>compartment of a tank, or settlement of soil on or <u>around any part of the system regardless of reason</u>: Violations of the warranty also include: Disconnecting the alarm, restricting ventilation to the aerator, over loading the system above its rated capacity; or flooding by external means. Rodent, insect or Fire Ant damage or any other form of unusual abuse is a violation. A renewal service contract <u>should</u> be <u>"Activated" (30) thirty days</u> before expiration of existing contract. We will contact property owner prior to expiration of existing contract.</u>

$\bigcap$	Walker Chapman - Operator Licensee #2929
6 ml	Print Name (X) Jun Kartz Date: 11/9/18
Property Owner Signature	Date: 116/18 Authorized Service Representative (revised 10/9/09)
MP#0000035	Date: Autionized Service Representative pressed rower)

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

Date Soil Survey Performed: November 06, 2018

Site Location: SUMMIT EXTENSION, PHASE 7, LOT 408

Proposed Excavation Depth: N/A

COUNTY ENGINEER

NOV 2 0 2018

RECEIVED

Requirements:

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

Locations of soil boring or dug pits must be shown on the site drawing.

For subsurface disposal, soil evaluations must be performed to a depth of at least two feet below the

proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Describe each soil horizon and identify any restrictive features on the form. Indicate depths where features appear.

#### SOIL BORING NUMBER SURFACE EVALUATION Depth Texture Soil Drainage Restrictive Observations Gravel (Feet) Class Texture Analysis (Mottles/ Horizon Water Table) 0 4" ш **CLAY LOAM BROWN** N/A NONE LIMESTONE 1 **OBSERVED** @ 4" 2 3 4 5

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	-					
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

11/06/18

Date

### **OSSF SOIL EVALUATION REPORT INFORMATION**

Date: November 07, 2018

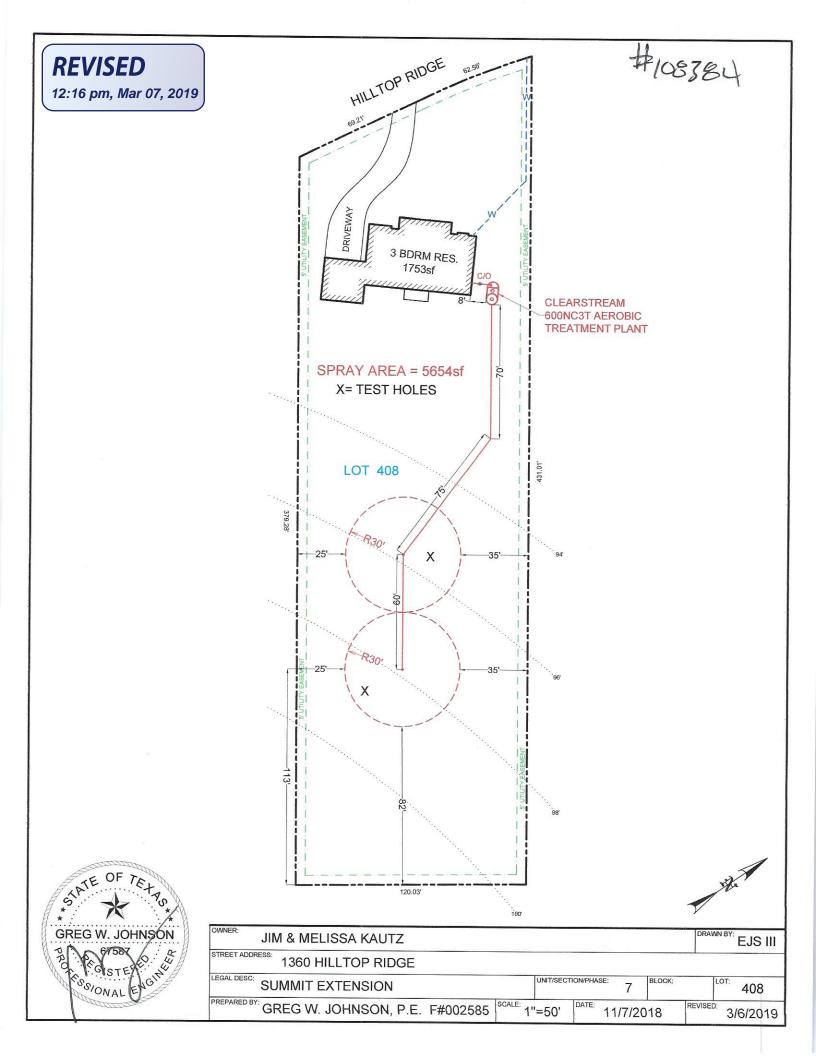
#### .... A

Applicant Information:		
Name: JIM & MELISSA KAUTZ	Site Evaluator Information:	E 11561
Address: 2325 6th STREET NORTH	Name: Greg W. Johnson, P.E., R.S., S Address: 170 Hollow Oak	).E. 11301
City: TEXAS CITY State: TEXAS	City: <u>New Braunfels</u> Stat	e. Texas
Zip Code:Phone:841-3104	Zip Code: 78132 Phone & Fax (8)	30)905-2778
	$\sum_{i=1}^{n} e^{i\theta i \theta i \theta} = \frac{1}{2} e^{i\theta i \theta i \theta} = \frac{1}{2} e^{i\theta i $	501705 2110
Property Location:	Installer Information:	
Lot 408 Unit 7 Blk Subd. SUMMIT EXTENS	ION Name:	
Street Address: 1360 HILLTOP RIDGE	Company:	
City: NEW BRAUNFELS Zip Code: 7813	32 Address:	
Additional Info.:	City:	State:
	Zip Code: Phone	
<b>Topography:</b> Slope within proposed disposal area:		
Presence of 100 yr. Flood Zone:	YESNO_X	
Existing or proposed water well in nearby area.	YESNO_X	
Presence of adjacent ponds, streams, water impoundments		
Presence of upper water shed	YES NO X	
Organized sewage service available to lot	YESNO_X	RECEIVED
c c	NO	V 9 0 2040
Design Calculations for Aerobic Treatment with Sp	pray Irrigation:	V <b>2 0</b> 2018
Commercial		
Q = GPD	COUN	ITY ENGINEER
Residential Water conserving fixtures to be utilized?	Yes X No	
Number of Bedrooms the septic system is sized for:		3
Q  gal/day = (Bedrooms  +1) * 75  GPD - (20%  reduction)		<u></u>
Q = (3 + 1)*75-(20%) = 240	in for water conserving instarces)	
$\frac{1}{10000000000000000000000000000000000$		
TCEQ Approved Aerobic Plant Size600	GPD	
Req'd Application Area = $Q/Ri = 240$ / 0	0.064 = 3750 sq ft	
Application Area Utilized = $5654$ sq. ft.	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
Pump Requirement $12$ Gpm @ 41 Psi (R	adjacket 0 5 HD 18 G D M series or a	auivalent)
		UUKS
Reserve Requirement = $80$ Gal. 1/3 day flow		
Alarms: Audible & Visual High Water Alarm & Visua	al Air Pump manunction	
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 VEGETATION	
I HAVE PERFORMED A THOROUGH INVESTIGATIO	N BEING A REGISTERED PROFESSIC	NAL ENGINEER
AND SITE EVALUATOR IN ACCORDANCE WITH CH		
(REGARDING RECHARGE FEATURES), TEXAS (	COMMISSION OF ENVIRONMENTA	L QUALITY
(EFFECTIVE DECEMBER 29, 2016)	e OF TA	
$\wedge \wedge$	INTE TT	
	1/07/18 * *	

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

DATE

GREG W. JOHNSON



TANK NOTES:

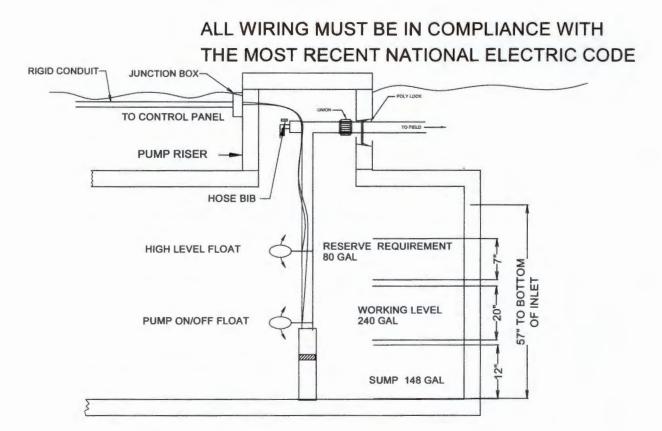
Tanks must be set to allow a minimum of 1/8" per foot fall from the residence.

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

Tanks must be left uncovered and full of water for inspection by the permitting authority.



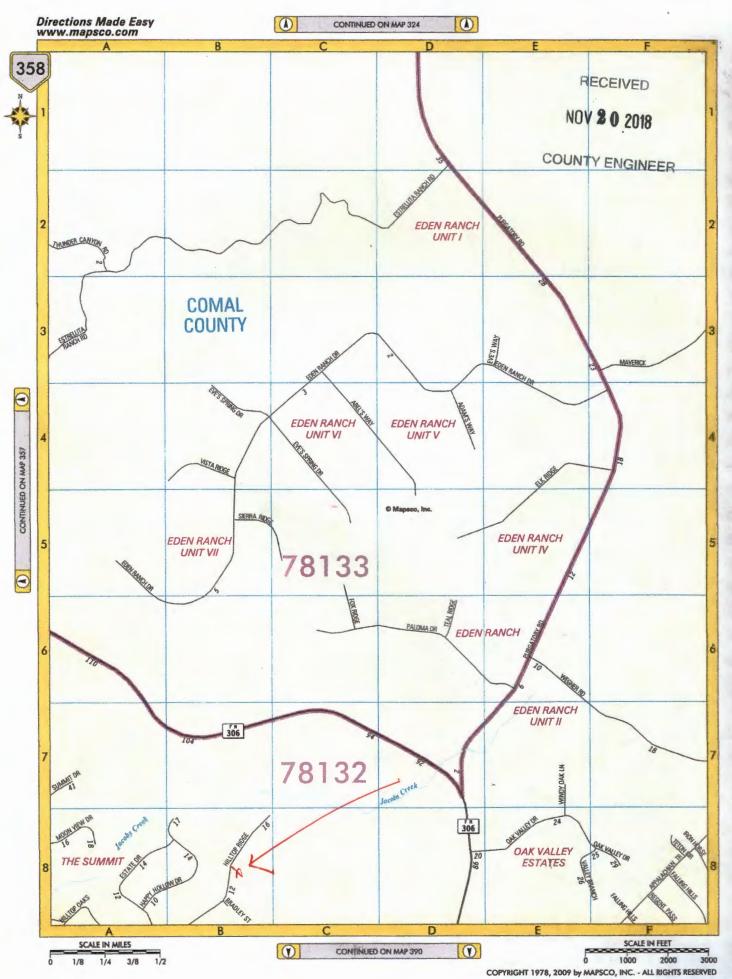
TYPICAL PUMP TANK CONFIGURATION CLEARSTREAM 600NC3T W/ 700 GAL PUMP TANK

RECEIVED

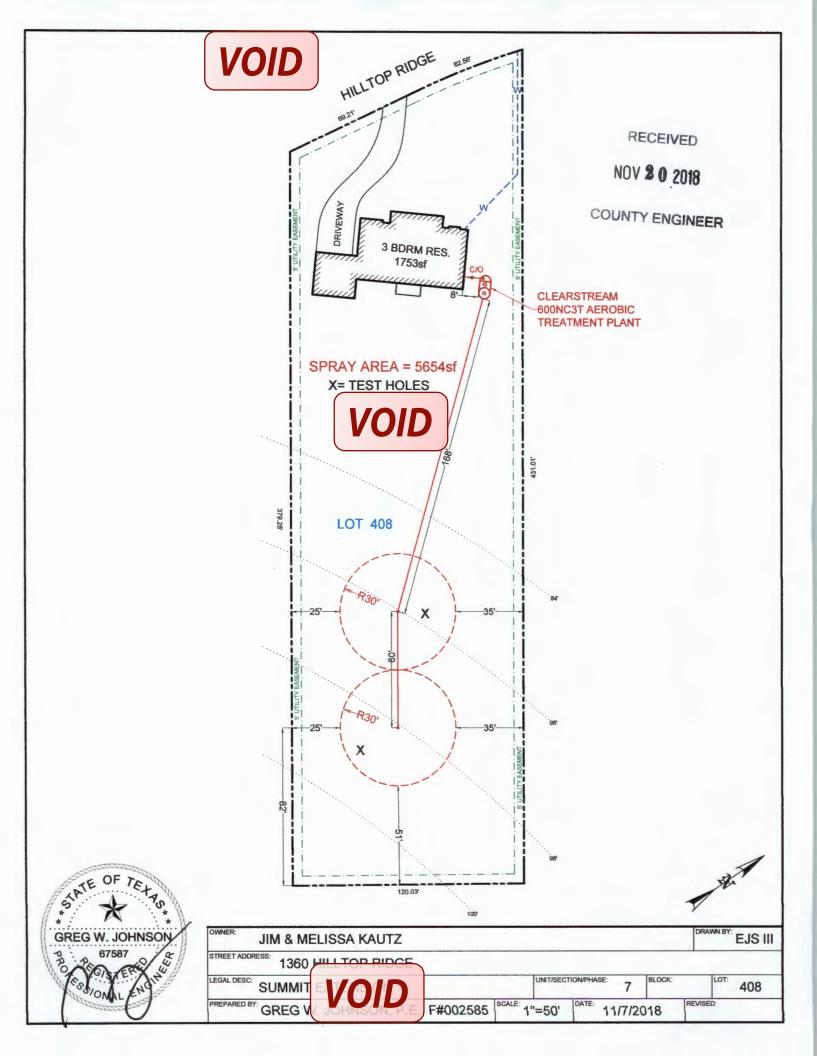


F-2585

18



C 2 C U 0.0.0.0.0.0.0 



201806031568 08/10/2018 09:43:36 AM 1/2

10026NO NF TIT/GP

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	5	
	8	KNOW ALL BY THESE PRESENTS: THAT
COUNTY OF COMAL	ş	=
PAUL A. PERALEZ	AND	MOSES A. RAMOS, A MARRIED COUPLE
("Grantor"), whose mailing add	iress is .	1431 WROKWOOD, SAN ANTONIO,

TX 18201 for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) cash and other good and valuable consideration to Grantor in hand paid by JIM KAUTZ AND MELISSA KAUTZ ("Grantee"), whose mailing address is 2325 6<sup>th</sup> 5T N Texal Site TX 77590

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COUNTY ENGINEER

the receipt

and sufficiency of which consideration is hereby acknowledged and confessed, has GRANTED, SOLD AND CONVEYED, and by these presents does GRANT, SELL AND CONVEY unto Grantee, the following real property, together with all improvements thereon (the "Property"):

LOT 408 OF SUMMIT EXTENSION PHASE 7, A SUBDIVISION IN COMAL COUNTY, TEXAS ACCORDING TO THE PLAT RECORDED IN VOLUME 9, PAGES 216-218 OF THE MAP AND PLAT RECORDS OF COMAL COUNTY, TEXAS.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances, thereto in any way belonging to have and to hold unto Grantce, and Grantee's heirs, successors and assigns, forever; and Grantor does hereby bind Grantor and Grantor's heirs and successors to WARRANT AND FOREVER DEFEND all and singular the Property unto Grantee, Grantee's heirs, successors and assigns, against every person whomsoever lawfully claiming or to claim the same, or any part thereof, provided, however, that this conveyance is made by Grantor and accepted by Grantee subject to (i) the liens securing payment of ad valorem taxes for the current and all subsequent years and (ii) easements, liens, reservations, covenants, conditions, and restrictions of record in Comal County, Texas, or visible or apparent on the ground to the extent the foregoing affect the Property. By acceptance of this deed, Grantee assumes and agrees to perform all of the obligations of Grantor under said easements, reservations, covenants, conditions and restrictions, and agrees to pay and indemnifies and agrees to hold Grantor harmless from and against all ad valorem taxes relating to the Property, for the current and all subsequent years.

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

Page 1 of 2

EXECUTED AS OF AND EFFECTIVE the \_\_\_\_\_ day of August, 2018.

**GRANTOR:** 

PAULA. PERALEZ

MOSES A. RAMOS

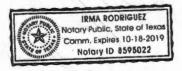
#### ACKNOWLEDGEMENT

STATE OF TEXAS

Before me, a Notary Public, on the  $\underline{\mathcal{H}}_{\underline{\mathcal{H}}}$  day of August, 2018, personally appeared PAUL A. PERALEZ AND MOSES A. RAMOS, who acknowledged that they did sign the foregoing instrument, and acknowledged to me that they executed the same for the uses and purposes and consideration therein expressed.

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## PREPARED IN THE OFFICE OF:

THE HAY LEGAL GROUP PLLC 611 W. 5th Street, Suite 300 Austin, Texas 78701

Notary Public, State of Texas

Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 08/10/2018 09:43:36 AM LAURA 2 Pages(s) 201806031568



Page 2 of 2

### TESTING AND REPORTING RECORD.

#### This Testing and Persenting Perced with Second sectors ( north and and a shorthad, a shallon)

1 Inspection: The AULY 10, 2019 - Installade 3/26/2019 Service Explore 3/26/2011

BILLING ADDRESS

JIM & MELISSA KAUTZ 1360 FILLTOP RIDGE NEW BRAUNFELS, IN 79130

TELEPHONE 281-841-3104 

1269 HILLTOP RIDGE

MEN BRAUMFELS IN (7913)

SUBDIVISION SUMMIT ENTENSION MARCHINER CLEARSYEM 6009031 MARCHINE AVAILABLE

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UMPE OF SUSTEME SPRAN

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CHEMBLARS SCHM Compressors PSI CRecord Pressure Reading		31.25		(17 <u>5</u> 5.000)	just fl. Christments (ep. sterij)					
Filters										
Imgation Acres			· · ·	(	HECKED DUMP, Alarm.					
Flacin <b>culation Pi</b> rmps		N/A								
Disinfection Device		1	:	Fla	ATS. SprinkLERS,					
Chicane Supply		1	3							
Electrical Circania		1		ch	lorine,					
: Distribution System		1			,					
Sprayfield Vegeterory		1	:		Compressor / FILTER					
Back Flush Drop Field, of upplicabl	-	N /A	-							
Other as Noural			: ;							
Access Posts are Secured			<u>a 22</u>							
s Tess required and results										
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Copies of this report have been forwarded to the following COMAL county homeowner

I Tairrenance Technician	
Date of completion 6-11-19 State Id. Time	
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Phone: 830-899-2615 Fax: 830-899-6662

### TESTING AND REPORTING RECORD

This Testing and Peporting Pecord shall be completed, signed and dated after each respection.

1. Inspection Date: JULY 20,2020 Installed: 3/20/2019 Service Expires:3/20/2021

BILLING ADDRESS: JIM & MELISSA 1360 HILLTOP N NEW BRAUNFELS	KAUTZ RIDGE	PHYSICAL ADDRESS: 1360 HILLTOP R NEW BRAUNFELS,		
TELEPHONE: 2 ALT. PHONE:	81-841-3104	LOT: LT 408,	COUNTY :	

SUBDIVISION: SUMMIT EXTENSION MFG: CLEARSTRM GOONCET MAPSCO: N/A

NOTES :

TYPE OF SYSTEM: SPRAY

Inspected Item:	Operational	Inoperative	<ol> <li>Action taken or Repairs or Needed repairs to system (list )</li> </ol>	- 1 1
Aerators			components replaced):	15 × 4
SCFM/Compressors PSI			components represed,	
(Record Pressure	ρ			
Reading)	3.0		checked countressof	
Filters	1			
Irrigation Pumps	1		cheaned his filter	
Recirculation Pumps	MA			
Disinfection Device	(		checked Worine,	
Chlorine Supply	1			
Electrical Circuits	1		Flours and Sprinklas	
Distribution System	1			
Sprayfield Vegetation	1		set timer	
Back Flush Drip Field,	AV 14			
if applicable	1110			
Other as Noted			SYSTEM OPERATING AS DESIGNED?	Y/N
Access Posts are Secure	-]		Yes N	0

3. Tests required and results:

	Requ	at the first test was	Results	Test
	Yes	No	mg/l mpn/100mi or	Method
			Trace	
BOD (Grab)				
T33(Grab)		-	LIZPV	gres
Cl(Grab)	-		1.5	Oto
Fecal Coliform				

Copies of this report have been forwarded to the following: COMAL county / homeowner.

Maintenance Technician: Mikle

2

	67.30.20 Start Job Time:	 Stop Jo	b Time:	
Maintenance Provider	Walkn chapmen			

Phone: 830-899-2615 Fax: 830-899-6662

### TESTING AND REPORTING RECORD

#### This Testing and Reporting Record shall be completed, signed and dated after each inspection.

1.Inspection Date: MARCH 20,2020 Installed: 3/20/2019 Service Expires:3/20/2021

BILLING ADDRESS JIM & MELIS 1360 HILLTOP NEW BRAUNFELS	SSA KAUTZ RIDGE	13	YSICAL ADDRESS: 60 HILLTOP RI W BRAUNFELS,		
TELEPHONE: ALT. PHONE:	281-841-3104	LO	T: LT 408,	PERMIT# COUNTY:	108384 COMAI
SUBDIVISION:	SUMMIT EXTENSION	MFG: CLEARSTR	M 600NC3T	SN: MAPSCO:	18060706 №/7

NOTES: TYPE OF SYSTEM: SPRAY

Inspected Ites:	Operational	Inoperative	2. Action taken or Repairs or
Aerators SCFM/Compressors P3I Record Pressure Reading	3.0		Needed repairs to system (list all components replaced): (MU(X42) ComP(455e)
Filters	-		
Irrigation Pumps			clouald pir gitter
Recirculation Pumps	NIX		
Disinfection Device	1		Checked phosine,
Chlorine Supply			
Electrical Circuits			GLOBAS and SCIAKING
Distribution System			
Sprayfield Vegetation			Sit Fimil
Back Flush Drip Field, if applicable	NIR		
Other as Noted			SYSTEM OPERATING AS DESIGNED? Y/N
Access Posts are Secured	1		((es) No

3. Tests required and results:

	Required		Results	Test
	Yes	No	mg/1 mpn/100mi or Trace	Method
BOD (Grab)		,		,
T33 (Grab)			CLER	9800
Cl (Grab)				0+0
Fecal Coliform			,	

Copies of this report have been forwarded to the following: COMAL county / homeowner.

Maintenance Technicia	n: Wikl	2	
Date of completion:	04-222 Start Job Time: Stop	Job Time:	
Maintenance Provider:	Waeken Chapmon		

### Phone: \$30-899-2615 Fax: \$30-899-6662

#### TESTING AND REPORTING RECORD

This Testing and Reporting Record shall be completed, signed and dated after such inspection.

1. Inspection Date: NOVEMBER 20,2020 Installed: 3/20/2019 Service Expires:3/20/2021

BILLING ADDRES JIM & MELISS 1360 HILLTON NEW BRAUNFEI	RIDGE	FHYSICAL ADDRE33: 1360 HILLTOP RI NEW BRAUNFELS,		
TELEPHONE: ALT. PHONE:	281-841-3104	LOT: LT 408,	COUNTY :	108384 COMAL
SUBDIVISION:	SUMMIT EXTENSION	MFG: CLEARSTRM 600NC3T	SN: MAPSCO:	18060706 N/A

NOTES: TYPE OF SYSTEM: SPRAY

Inspected Item:	Operational	Inopezative	2
Aerators SCFM/Compressors PSI (Record Pressure Reading)	3.0	-	N
Filters	/		
Irrigation Pumps	1		
Recirculation Pumps	WA		
Disinfection Device	1		
Chlorine Supply	/		
Electrical Circuits	1		
Distribution System	/		
3prayfield Vegetation	1		
Back Flush Drip Field, if applicable	WAA		
Other as Noted			S
Access Posts are Secure	ਰ		

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

Chelked Compresser clepnes my fiter checked chlorine, Eleats And Sprinklers set timer

YE No

3. Tests required and results:

	Required		Results	Test	
	Yes	No	mg/1 mpn/100mi or Trace	Method	
BOD (Grab)				1	
T33(Grab)		1	Cherpso	4160	
Cl(Grab)	1		1.0	1040	
Fecal Coliform					

Copies of this report have been forwarded to the following: COMAL county / homegwmer.

Maintenance Technician: Wikic		2
Date of completion: 2.14.20 Start Job Time: 3	top Job T	lime:
Maintenance Frouder: Walka Chopman		

Phone: 830-899-2615 Fax: 830-899-6662

### **TESTING AND REPORTING RECORD**

### This Testing and Reporting Record shall be completed, signed and dated after each inspection.

1. Inspection Date: MARCH 20,2021 Installed: 3/20/2019 Service Expires: 3/20/2021

BILLING ADDRESS JIM & MELISS 1360 HILLTOP NEW BRAUNFELS	A KAUTZ RIDGE	PHYSICAL ADDRESS: 1360 HILLTOP RII NEW BRAUNFELS, 1		
TELEPHONE: ALT. PHONE:	281-841-3104	LOT: LT 408,	PERMIT#: COUNTY: SN:	108384 COMAL 18060706
SUBDIVISION:	SUMMIT EXTENSION	MFG: CLEARSTRM 600NC3T	MAPSCO:	18080708 N/A

NOTES : TYPE OF SYSTEM: SPRAY

Inspected Item:	Operational	Inoperative	2. Action taken or Repairs or
Aerators SCFM/Compressors PSI (Record Pressure			Needed repairs to system (list all components replaced):
(Record Fressure Reading)	2.0		Cleaned air filter
Filters			
Irrigation Pumps			CKD. Pump, Floats
Recirculation Pumps	NA		
Disinfection Device	-		Alarm, & sprayers
Chlorine Supply	-		
Electrical Circuits			CKD. Chlorine
Distribution 3ystem			
<b>Sprayfield</b> Vegetation	-		
Back Flush Drip Field, if applicable	NA		
Other as Noted	1		SYSTEM OPERATING AS DESIGNED? (Y)N
Access Posts are Secure	d		Yes No

3 -	Tests	requi	red	and	resu	lts:

	Required		Results	Test	
	Yes	No	mg/1 mpn/100mi or Trace	Method	
BOD (Grab)					
TSS (Grab)		L			
Cl(Grab)	1		1.0	OTO	
Fecal Coliform				1-1	

Copies of this repo	rt have been	forwarded to	the	following:	COMAL	county	/ homeowner.
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Maintenance Technician: pathak	4
Date of completion: 3-18-21 Start Job Time:	Stop Job Time:
Maintenance Provider: Walke Clymon	