

Comal County

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

Issued This Date:	04/02/2019		Permit Number:	108313
Location Description:	241 LAUBAO NEW BRAUN	CH LN IFELS, TX 78132		
	Subdivision: Unit: Lot: Block: Acreage:	Herbelin Ranch 1B2		
Type of System:	Septic Tank ET Beds			
Issued to:	Cara B. Lauba	ch		

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

ENVIRONMENTAL HEALTH COORDINATOR

OS 0025599

County Environmenta **OSSF Inspection Sheet** master Home KAQUSE Septic OSSF Installer #: 05 0008285 3rd Inspection Date: 4/2/19 1st Inspection Date: 3/19/19 2nd Inspection Date: writer mike T. Inspector Name: mike T. (main 241 Laubach Ln. Address: HeAbelin Rouch ! Permits: 108313 CELUID 85.30(b)(1)(Å)(iv) 185.30(b)(1)(A)(V) 185.30(b)(1)(A)(N) 3/1 1 3/20/10 4/2/19 285.30(b)(1)(A)(I) 285.30(b)(1)(A)(I) a) Den (ochieve) Rodis & 265.91(10) MARCES Second 2#5.30(b)(4) 255.31(d) SEWER PIPE Proper Type Pipe from Structure to Disposal System 285.32(a)(1) (Cast Iron, Ductile Iron, Sch. 40, SDR 26) SEWER PIPE Slope from the Sewer to the Tank at least 1/8 inch Per 285.32(a)(3) Foot SEWER PIPE Two Way Sanitary -Type Cleanout Properly Installed (Add. C/O Every 100" &/or 90 285.32(a)(5) degree bends) PRETREATMENT Installed (If equired) TCEQ Approved List RETREATMENT Septe: Tank(s) 285.32(b)(1)(G)285.32(b)(1 HEX(N) **Nort Minimum Requirements** 285.32(b)(1)(E)(W) 285.32(b)(1)(F) 295.32(b)(1)(0) 285.32(b)(1)(C)(I) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(R)(U) 285.32(b)(1)(E)(I) 285.32(b)(1)(E)(H)(I) PRETREATMENT Grease interceptors if required for 285.34(d) commercial mT- 4/2/19 Covered. MT- 3/22/19 Pipe & enavel beveled. MT-3/A/19 Tank set , Leveled 1) # 7'9" 2) 8'9" 3'5" 5'5'6 1'8 1)6'2 2)7'5" Ready For Cover

performance and the second of Cleanly	ACCENTED IN	1				
Manined SEPTIC TANK If SingleTank, 2 Compartments Provided with Baffla SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Baguinements	1	285.32(b)(1)(E) 285.32(b)(1)(F) 285.32(b)(1)(F) 285.32(b)(1)(E)(H) 285.32(b)(1)(E)(H)(H) 285.32(b)(1)(E)(H)(H) 285.32(b)(1)(E)(H) 285.32(b)(1)(E)(H) 285.32(b)(1)(C)(H) 285.32(b)(1)(C)(H) 285.32(b)(1)(A) 285.32(b)(1)(E)(H)		3/10/19	3tecta	¥/2]/9
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 Burled Greater than 12" Sealed and Capped	1	285.38(d)				
SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to fid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
SEPTIC TANK Tank Volume	~		1000 gal Aual	-1		
PUMP TANK Volume Installed						
AENONIC TREATMENT UNIT Slop						
AGROUNC TREATMENT UNIT Massificturer Agricultur TREATMENT UNIT Model Bamber	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(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(4) 285.33(a)(2)				
DISPOSAL SYSTEM Evapo- transpirative	/	285.33(a)(4) 285.33(a)(1) 285.33(a)(1) 285.33(a)(2)		3/19/19	3/22/19	4/2/2

			2015.23(a)(2) 2015.23(a)(2) 2015.33(a)(2)					
	DISPOSAL SYSTEM Soil		285.33(d)(4)	1		1	1	
21	DISPOSAL SYSTEM Gravelless Pipe		205.33(a)(3) 205.33(a)(1) 205.33(a)(2) 285.33(a)(3)					
22			285.33(a)(2) 285.33(a)(4), 285.33(a)(1)					
	CENTRAL DESTRIAL Manual		285.33(a)(3) 285.83(a)(1) 285.33(a)(2) 285.33(a)(4)			At the second		
23	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)					
x	tolevinifield Absorptive Debinine 3° PVC or 4° EVC	~						4/2/1
26	CRAINFIELD Area installed CRAINFIELD Loval so within 1 Inch per 25 for and within 3 inches over entity anti-within		205.30 MINAM					
27	DRAINFIELD Excavation Whith DRAINFIELD Excavation Depth ORAINFIELD Excavation Separation DRAINFIELD Depth of Porous Madia DRAINFIELD Type of Porous Media				2			
28	DRAINFIELD Pipe and Gravel - Geotentile Fabric in Place		285.33(b)(1)(E)					
	DRAINFIELD Lauching Chembers DRAINFIELD Chembers - Open End Pietes 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)					

		Centers	Charlens.	A REAL	Lat. Seep.	And the se	Mainten -
	EFFLUENT DISPOSAL SYSTEM Utilized Inly by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM (apographic Slopes 2.0% EFFLUENT DISPOSAL SYSTEM deepaste Length of Orain Parki ( 1000 inver ft. for 2 bedrooms or Less k an additional 400 ft. for each additional bedroom ) EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 Inches to 3 ft. ik Vertical Separation of 1% no bottom and 2 ft. to restrictive horizon and ground water respectfully EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5° dla.) & Pipe Holes 3/16 - 1/4° dla. Nole Size ) 5 ft. Apurt	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)					
2	Academic Thick Column 1 and 1 is Associate Onit Association Fragments as Approved Thickelines.	2011					
4	ADDITION CONTRACT ADDIT Imposition Contract addition Addition Contract addition Addition Contract addition Addition Contract and Addition provided Addition Contract addition provided Addition Contract addition addition particulation Addition addition addition Addition addition addition Addition addition addition Addition addition addition Addition addition addition Addition addition addition Addition addition addition Additional additional addition Additional additional addition Additional additional addition						
	ADRICES, TREATMENT UNIT TREATMENT PROPERTY INSTALLES WITH THE TREATMENT IN THE TREATMENT						
	PUMP TANK is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
37	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
Г	PUMP TANK Secondary restraint						
	system provided PUMP TANK Electrical Connections In Approved Junction Boxes / Wiring Buried						

			Cintions	tilles	dat leap.	and map.	And longs
			.33(d)(2)(G)(H)(U)205.3 )(2)(G)(H)(H)205.33(d)( 2)(G)(V)				
			285.33(d)(2)(G)(W) 285.33(d)(2)(G)(W) -285.33(d)(2)(G)(W) 285.33(d)(2)(G)(W)				4/2/19
		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	205.33(4)(2)(6)(40)(0				
	APPLICATION AREA Low Angle Newlos Clove J Pressure to 35 employed APPLICATION AREA Acceptoble						E.
	Arres, residence within 30 ft of such that heading APPLICATION ANEA, The Landicible Pien is as Designed		285.33(d)(2)(G)(1) 285.33(d)(2)(A) 285.33(d)(2)(F)				
41	and the second sec						
42	APPLICATION AREA Area bustalled						4/2/19
6	PUMP TANK Meets Minimum Reserve Capacity Requirements						
-	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

	Comal County E OSSF Ins	invironmental I pection Sheet	lealth	
Installer Name: <u>KAG 454</u> Ist Inspection Date: <u>3</u> // Inspector Name: <u>Mike</u>	Septic 9/19 2nd Inspection Du T. Inspector Name:		5 0008285 3rd Inspection Data: Inspector Name:	
Permitit: 108313	Address: Herbe	lin Ranch !	241 Laubach	LN.
Description SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	American         Citabions           285.31(a)         285.30(b)(1)(A)(iv)           285.30(b)(1)(A)(iv)         285.30(b)(1)(A)(iii)           285.30(b)(1)(A)(iii)         285.30(b)(1)(A)(iii)           285.30(b)(1)(A)(iii)         285.30(b)(1)(A)(ii)           285.30(b)(1)(A)(iii)         285.30(b)(1)(A)(iii)	Notes	3/14/ 1	2nd imp. 3rd in 3/22/19
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)(1 )(E)(III) 285.32(b)(1)(E)(w) 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)(II) 285.32(b)(1)(E) 285.32(b)(1)(E)(II)(II) 285.32(b)(1)(E)(II)(II) 285.32(b)(1)(E)(III)(II) 285.32(b)(1)(E)(III)(II)			
PRETREATMENT Grease Interceptors if required for commercial	285.34(d)			

Tank set, Leveled 1) # 7'9" 2) 8'9" 3'6" 5'5'5' 18

Pipe & enavel Leveled. 1)6'2 2)7'5" Ready For Cover

	Amoner	Citations	Notes	1st image.	2ml Imp.	
SEFTIC 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	1	285.32(b)(1)(E) 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)(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)(E)(iv)		3/19/19	3/22/A	
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	1	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	~		1000 gal Dual	- 1	++	
2 PUMP TANK Volume Installed		anne ann ann ann ann ann ann				h
3 AEROBIC TREATMENT UNIT Size Installed		4				
4 AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model 5 Number						
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)				
17 DISPOSAL SYSTEM Evapo- transpirative 18	/	285.33(a)(1) 285.33(a)(1) 285.33(a)(2)		3/19/19	3/22/19	

180.	Description	Amerser	Citations 285.33(8)(1)	Notes		1st insp.	2nd Insp.	3rd Insp.
	DISPOSAL SYSTEM Drip Irrigation		285.33(a)(3)	A STATE OF A				
			285.33(a)(4)				1313	一般で
1		a service	285.33(a)(2)		1		1	- 3355
9			(2)(8)(2)	a second s			1	
	DISPOSAL SYSTEM Soil							
0	Substitution		285.33(d)(4)					
_	DISPOSAL SYSTEM Pumped		285.33(a)(3)		HEARING IN	25 A	etter and a star	D Plant the
	Muent	-9. 16 <u>8</u> 8	285.33(a)(1)		A Real Providence			
1			285.33(a)(2)				13.000 31.0	
1			285.33(a)(3)			- Allina - Allina - Allina		
P	DISPOSAL SYSTEM Gravelless Pipe	1	285.33(a)(2)					
1	4		285.33(a)(4)	1	L.		ļ	ļ
			285.33(a)(1)					
22								
1	DISPOSAL SYSTEM Mound		285.33(a)(3)		1.5	1 1 1 - I		
		jeie	285.33(a)(1)	A MERCENTER AND A MERCENTER			0.0	
			285.33(a)(2)					
	and the second second		285.33(a)(4)		23		CAN'S PARTY	
23	DISPOSAL SYSTEM Other		295 22/4/61					-
	describe) (Approved Design)		285.33(d)(6)					
1	and the second and the second se	l	285.33(c)(4)	l	l		ļ	l
24								1
	ORAINFIELD Absorptive Drainline	~						
	3" PVC	V			36.			
	or 4* PVC				1			Energy
26	DRAINFIELD Area Installed	100			The second			- San
	DRAINFIELD Level to within 1 inch	- 00 - T						
	per 25 feet and within 3 inches				100.041			1.115
	over entire excavation		285.33(b)(1)(A)(v)		0.00			1000
27		a sin			Buch			Suma .
	DRAINFIELD Excavation Width	Level at						
	DRAINFIELD Excavation Depth						100	
	DRAINFIELD Excavation	ARC .		A Martin Concerns and the second	10857			1997 1. 200
	Separation DRAINFIELD Depth of				1000			
	Porous Media	and the second		A REAL PROPERTY AND A REAL	Tables .			1000
	DRAINFIELD Type of Porous Media	Ú.			13.00			
				And the second s				
					A States		1	12.50
				a state of the second se				
28								
- 1	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)		10.90			
20	the second second second second second second second second							-
	DRAINFIELD Leaching Chambers				10.82			No Sec.
	DRAINFIELD Chambers - Open End	1						SING 2
	Plates w/Splash Plate, Inspection	C SS(US)) ??		Contraction of the second				
	Port & Closed End Plates in Place	10.080.000	285.33(c)(2)					100
	(per manufacturers spec.)	100 Store						
								1.11
30	nga kasa ing pila		A CARACTER ST		1			1
	LOW PRESSURE DISPOSAL							
	SYSTEM Adequate Trench Length							
	& Width, and Adequate		285.33(d)(1)(C)(i)					
	Separation Distance between							
	Trenches			1				

No. Description	Amuser Citations	Notes	İst imp.	2nd lesp.	3rd Insp.
EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Orain 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)				1. Ale and the second s
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					201
AEROBIC TREATMENT UNIT Chlorinator Properly Installed with 35 Chlorine Tablets in Place.					*1
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 36 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 38 system provided					
PUMP TANK Electrical Connections in Approved Junction 39 Boxes / Wiring Buried					

No	Description	America	Citations	Notes	Lat imap.	2nd insp.	3rd insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Neads & 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)(ii) 285.33(d)(2)(G)(ii))(1) 285.33(d)(2)(G)(iii)(1)				
	APPLICATION AREA Low Angle Notices Used / Pressure is its required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(I) 285.33(d)(2)(A) 285.33(d)(2)(F)				
41	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						

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	1	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)(i) 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)(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)(C)(ii) 285.32(C)(C)(C)(C)(C)(C)(C)(C)(C)(C)(C)(C)(C)(		3/19/19		
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	~		1000 gal Dual	- 1		
PUMP TANK Volume Installed						
AEROBIC TREATMENT UNIT Size Installed						
AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
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)(2)				
7 DISPOSAL SYSTEM Evapo- transpirative 8	/	285.33(a)(4) 285.33(a)(1) 285.33(a)(2)		3/19/19		

	-	Comal County E OSSE Ins	nvironme pection Sh		lealth			
Installer Name: KAQUSE	5		OSSF Installer	Church and and				
1st Inspection Date: 3/	19/19	2nd Inspection Dat		#:	3rd Inspe	ction Date:		
Inspector Name:ike	T.	Inspector Name:				ector Name:		
1		Address: Heabe	1	1.1		Laubach	LN.	
Permit#: 108313 Description	Anwser	Citations	Tim Rance	Notes	241	1st Insp.	2nd Insp.	3rd Insp.
SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	/	285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(i)				3/19/19		
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	1	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)(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)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(ii)(I)						
PRETREATMENT Grease Interceptors if required for commercial		285.34(d)						

wit-3/19/19

Tank set, Leveled 1) # 7'8" 2) 8'9" 3'6" 5'2" 5'4 1'8

No. Descripti	ion	Anwser	Citations	Notes	1st insp.	2nd Insp.	3rd Insp.
DISPOSAL SYSTEM D	Drip Irrigation		285.33(a)(1)		Series		
			285.33(a)(3)			10 T 1	All the second
			285.33(a)(4)		1	after the	1.00
14			285.33(a)(2)		1		
9	2 Caler					1	
DISPOSAL SYSTEM S	ioil		285.33(d)(4)				
0 Substitution			203.33(0)(4)				
DISPOSAL SYSTEM P	umped		285.33(a)(3)		and state of the state		Self " same
Effluent	ampou				1 1 - 1 - 10		1.
Linucit	3. 18 1 L		285.33(a)(1)				1
1			285.33(a)(2)		1.	12011	188
DISPOSAL SYSTEM	Gravelless Pipe		285.33(a)(3)				
			285.33(a)(2)				
			285.33(a)(4)		1	1	
			285.33(a)(1)				
2			205 22/-1/21				
DISPOSAL SYSTEM N	Mound		285.33(a)(3)		1 Para - Callon		
			285.33(a)(1)		15 1 A L	1.2.3	1.00
		-	285.33(a)(2)	The second second second			1. 1. 1.
			285.33(a)(4)				
23							
DISPOSAL SYSTEM C			285.33(d)(6)				
(describe) (Approve	d Design)		285.33(c)(4)				
DRAINFIELD Absorp	tive Drainling						
	tive prainine	~					1 Salesee
3" PVC		V					
or 4" PVC		L.	-				1.30
DRAINFIELD Area In	istalled	1-1				12.	1.024
	and the first						
DRAINFIELD Level to		3. 280					44400000
per 25 feet and with			285.33(b)(1)(A)(v)		1 1 2 2 1 2		
over entire excavati	ion	1	200100(0)(2)(2)(1)(1)			and and the	TALE N.
27	and the second				111 L	and and	1
DRAINFIELD Excavat	tion Width			PARTY TRACTOR	10 10 10 10 10		S.A.
DRAINFIELD Excava	ation Depth						
DRAINFIELD Excava							19860
Separation DRAINFI		1.1.1.1.1.1.1					
	icto Deptitor						
Porous Media							100.11.3
DRAINFIELD Type of	r Porous Media						
- 1 m 1 1 2 3 1 1		1.10.00					
		and the second			See .		
28							
DRAINFIELD Pipe ar	od Gravel -					000	12
Contractile Fabric in	Diaco	1.200	285.33(b)(1)(E)				
23							
DRAINFIELD Leaching		12 32					
DRAINFIELD Chamb	pers - Open End						
Plates w/Splash Pla		Section and					
Port & Closed End I		- 16 K	205 22/01/21				
(per manufacturers		1.	285.33(c)(2)				
(per manulacioners	sheed	and and					
					1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
30		1.42.1.14			Carl Carl Star		12-1-
LOW PRESSURE DIS	SPOSAL						
SYSTEM Adequate							
& Width, and Adeq							
			285.33(d)(1)(C)(i)				
Separation Distance	e between						
Trenches							

\$

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.		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.						
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 36 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 38 system provided						
PUMP TANK Electrical Connections in Approved Junction 39 Boxes / Wiring Buried						-

-

No.	Description	Anwser	Citations	Notes	1ct Incp.	2nd Insp.	3rd Insp.
	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)(ii) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)				
40	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
41							
42	APPLICATION AREA Area Installed						
	PUMP TANK Meets Minimum Reserve Capacity Requirements						
43							
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:	108313
Issued This Date:	11/07/2018
This permit is hereby given to:	Cara B. Laubach

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

241 LAUBACH LN NEW BRAUNFELS, TX 78132

Subdivision: Herbelin Ranch Unit: Lot: 1B2 Block: Acreage:

#### APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Septic Tank ET Beds

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 OF COMAL

OSSF DEVELOPMENT APPLICATION CHECKLIST

### COUNTY ENGINEER'S OFFICE

Staff will complete sha	aded
items Date Received	initials

Permit Number

Instructions:

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

OSSF Permit

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

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

Yelanning 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

\_\_\_\_ Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public

Signed Maintenance Contract with Effective Date as Issuance of License to Operate

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

Signature of Applicant

Receipt No.

COMPLETE APPLICATION

Check No.\_

11/1/1<u>S</u> Date

INCOMPLETE APPLICATION

(Missing Items Circled, Application Refused)

NOV 02 2018

COLLEG

RECENSE

* * * COMAL COUN	<b>ITY OFFICE OF</b>	ENVIRONMENTAL	HEALTH * * *
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APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date 10/31/18 Permit # 108313
Owner Name Cara Laybach Agent Name GREG W. Jourson
Mailing Address 241 Laubach Ln. Agent Address 110 Hou ow Own
City, State, Zip New Braunfels, TX City, State, Zip NEW BRAUNFELS, TY 18132
Phone# 830. 708. 3290 Phone # 830-905-2118
Email cara laubach @ hotmail.conemail greg johnson pec jahoo com
All correspondence should be sent to:
Subdivision Name HERREUN RANKH Unit/Phase/Section Lot 182 Block
Acreage/Legal
Street Name/Address 241 LANBACH LANE City NEW BRAVNFEUS Zip 18/32
Type of Development:
Single Family Residential
Type of Construction (House, Mobile, RV, Etc.)
Number of Bedrooms 4 22018
Indicate Sq Ft of Living Area 2424
Indicate Sq Ft of Living Area 1414
(Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)
Type of Facility
Offices, Factories, Churches, Schools, Parks, Etc Indicate Number Of Occupants
Restaurants, Lounges, Theaters - Indicate Number of Seats
Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds
Travel Trailer/RV Parks - Indicate Number of Spaces
Miscellaneous
Estimated Cost of Construction: \$ 325,000 (Structure Only)
Is any portion of the proposed OSSF located in the United States Army Corps of Engineers (USACE) flowage easement?
Yes X No (if yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)
Source of Water Public Private Well
Are Water Saving Devices Being Utilized Within the Residence? Yes No
By signing this application, I certify that: - the completed application and all additional information submitted does not contain any false information and does not conceal any material facts. -Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities. -I also understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order. - I affirmativel y consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.
Carefanfach 10/81/18 Page 1 of 2

Signature of Owner

Page | of 2 **Revised July 2018** 

#### HERBELIN RANCH, LOT 1B2

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

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

Planning Materials & Site E	Evaluation as Required Completed B	W GREG W. JOHNSON, P.E.	•
System Description	STANDARD; SEP	TIC TANK AND UNLINED E.T. BEDS	
Size of Septic System Requ	uired Based on Planning Materials &	Soil Evaluation	
100 Tank Size(s) (Gallons)	00 GAL. DUAL COMP. SEPTIC TANK Abs	sorption/Application Area (Sq Ft)	3200
Gallons Per Day (As Per T (Sites generating more than 5	CEQ Table III) 300 000 gallons per day are required to obta	ain a permit through TCEQ)	
(If yes, the planning materials Is there an existing TCEQ a	r the Edwards Recharge Zone?	nitarian (R.S.) or Professional Engineer (P.E.	RECEIVED NOV 0 2 2018
(If yes, the R.S. or P. E. shall	certify that the OSSF design will comply	activity require a TCEQ approved WPAF with all provisions of the proposed WPAP. A seen approved by the appropriate regional off	Permit to Construct will
Is there an existing TCEQ a	r the Edwards Contributing Zone?	Yes 🛛 No	
(if yes, the P.E. or R.S. shall c	ertify that the OSSF design will comply w	tivity require a TCEQ approved CZP? [ vith all provisions of the proposed CZP. A Per oved by the appropriate regional office.)	
		No No	A.
If yes, indicate the city:		GREG W. JOHNSON BOREG W. JOHNSON BOREGISTERED GISTERED FIR	KM #2585
	ve is true and correct to the best of my kr	nowledge.	

I affirmatively consept to the online posting/public release of my e-mail address associated with this permit application, as applicable

Signature of Designer

November 1, 2018 Date

Page 2 of 2 Revised July 2018

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

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

November 1, 2018

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

SEPTIC DESIGN RE-241 LAUBACH LANE HERBELIN RANCH, LOT 1B2 NEW BRAUNFELS, TX 78132 LAUBACH RESIDENCE

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COUNTY ENGINEER

Ms. Brenda Ritzen / Sandra Hernandez,

The referenced property is located within the Edwards Aquifer Recharge Zone. This property is exempt from a WPAP because it is not regulated activity according to §213.3 (27)(B)(v) "construction of single-family residence on lots that are larger than five acres, were no more than one single-family residence is located on each lot." To my knowledge no WPAP exists for this property.

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 27, 2012).

No. 67587 / S.E. 11561 W. Johnson, P.E. 170 Hollow Oak New Braunfels, Texas 78132 - 830/905-2778



FIRM #2585

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

Date Soil Survey I	Performed: Octo	ber 31, 2018				
Site Location:		HERBELIN RA	NCH, LOT 1B2		_	
Proposed Excavat	ion Depth: 18"	to 36 "				
Locations For subsu proposed	s of soil boring or d urface disposal, soil excavation depth. I	ug pits must be sho evaluations must b For surface disposa	wn on the site draw e performed to a d l, the surface horiz	posite ends of the prop ving. epth of at least two fe on must be evaluated. the form. Indicate de	et below the	NOV 02 2018
SOIL BORING	NUMBER	1				
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations

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

N/A

NONE

**OBSERVED** 

BROWN

LIMESTONE

@ 48"

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

3

4

5

48"

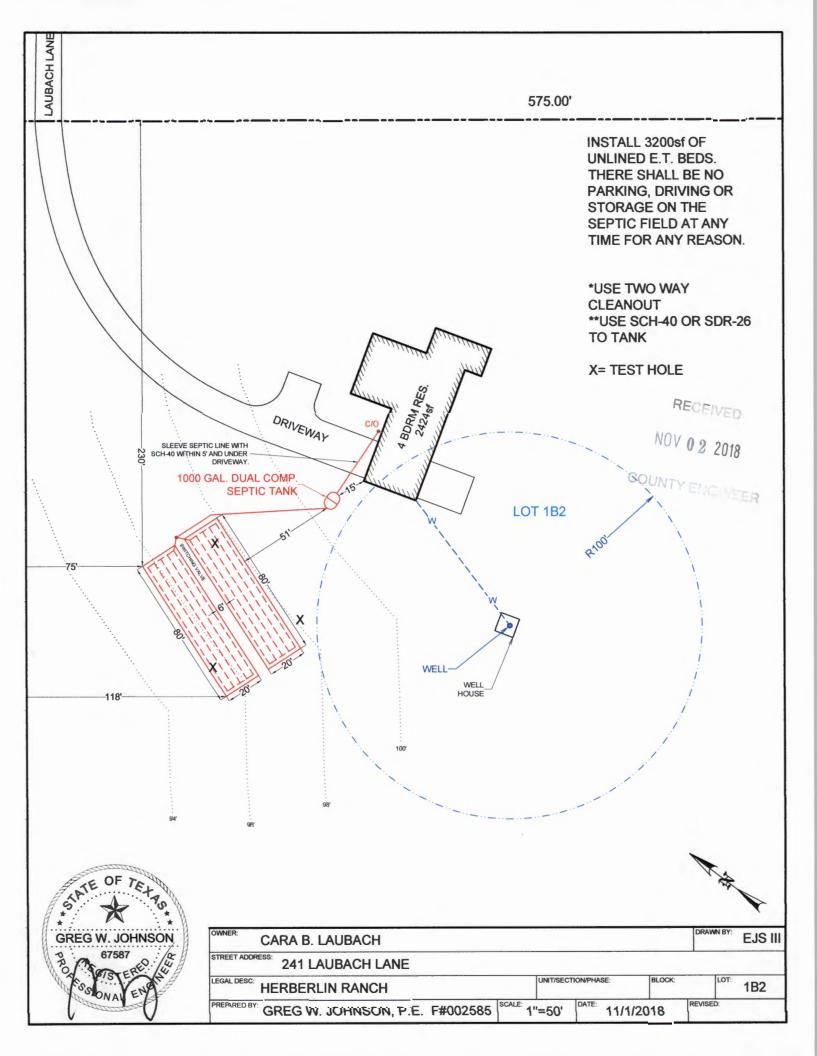
IV

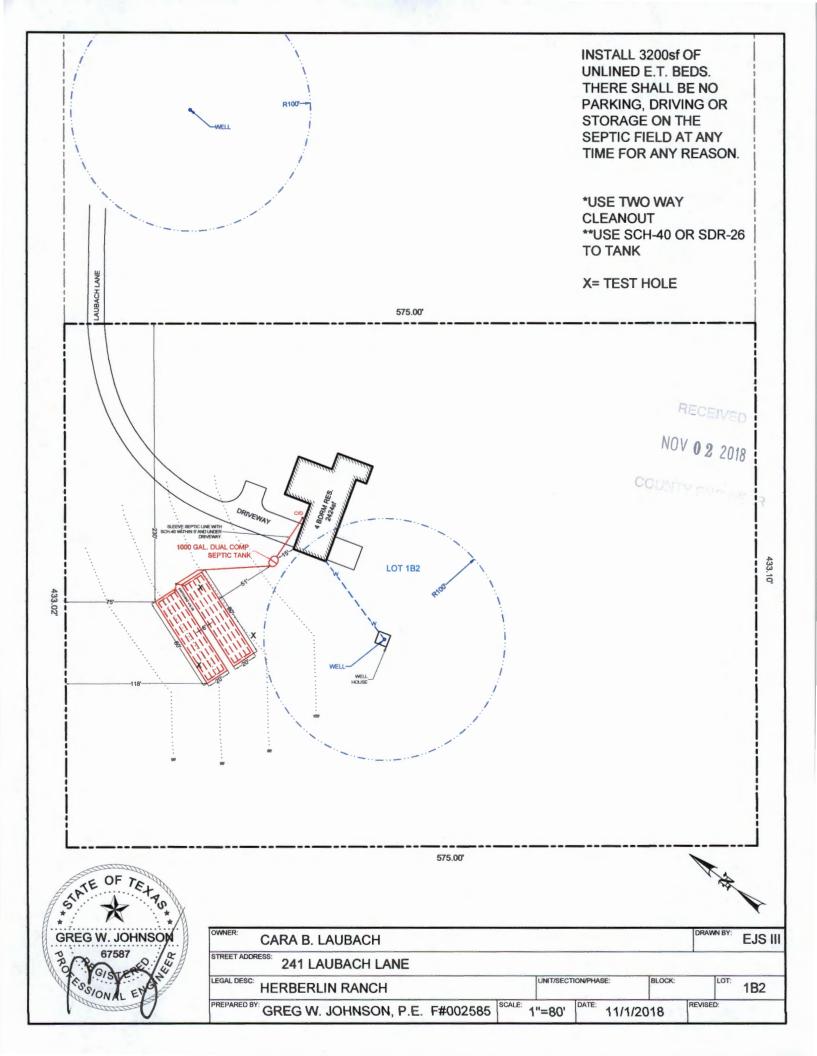
CLAY

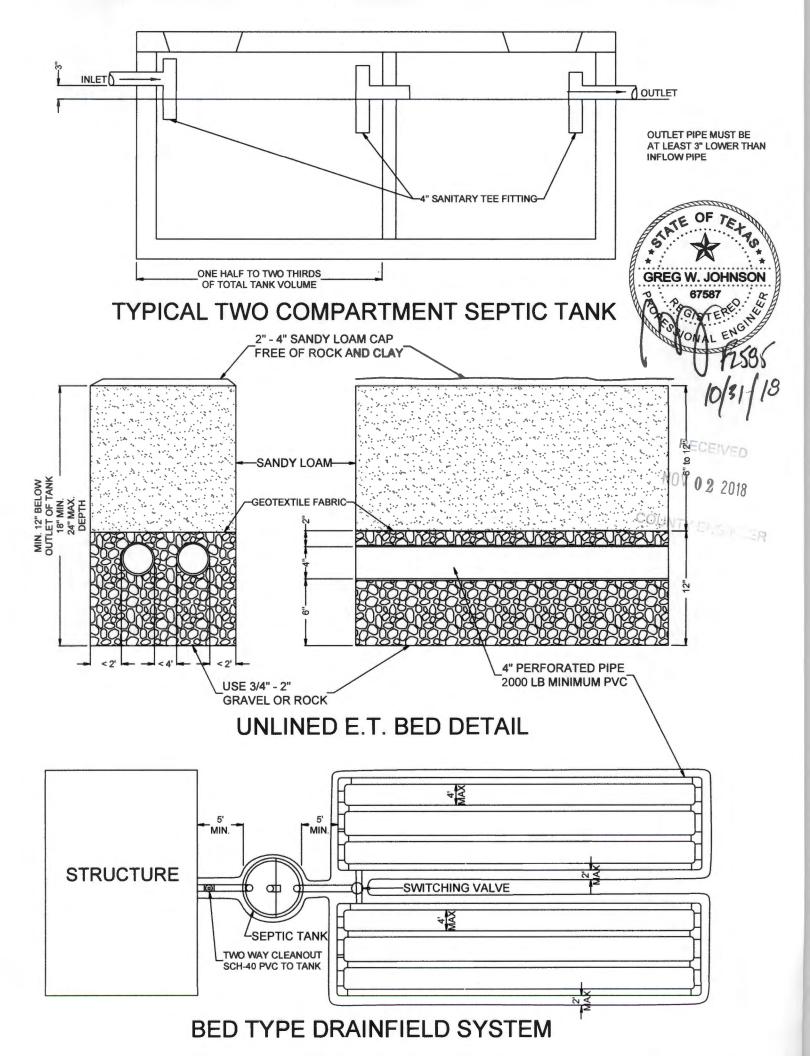
10/3//18 Date

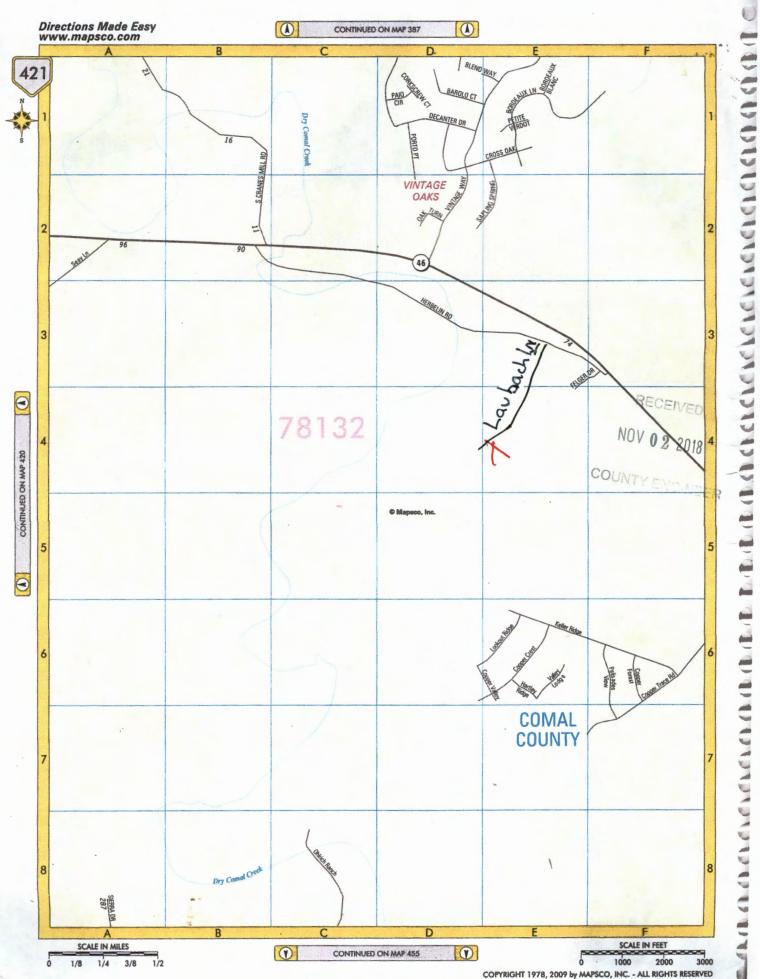
## **OSSF SOIL EVALUATION REPORT INFORMATION**

Date:_November 01, 2018					
	Site Evaluator Information:				
Name: CARA B. LAUBACH	Name: Greg W. Johnson, P.E., R.S., S.E. 11561				
Address: c/o P.O. BOX 310245	Address: 170 Hollow Oak				
City: NEW BRAUNFELS State: TEXAS	City: <u>New Braunfels</u> State: Texas				
Zip Code: 78131 Phone: (210) 846-6363	Zip Code: <u>78132</u> Phone & Fax (830)905-2778				
Property Location:         Lot 1B2 Unit       Blk       Subd.       HERBELIN RANCH         Street Address:       241 LAUBACH LANE         City:       NEW BRAUNFELS       Zip Code:       78132         Additional Into.:	Address:				
	Zin Code: Phone				
<b>Topography,</b> Slope within proposed disposal area: Presence of 100 yr. Flood Zone: Existing or proposed water well in nearby area. Presence of adjacent ponds, streams, water impoundments Presence of upper water shed Organized sewage service available to lot	5         %         NO X         NOV 0 2 2018           YESNO         >100'         COUNTY EXCENTER           YESNO_X         YESNO_X         COUNTY EXCENTER           YESNO_X         YESNO_X         COUNTY EXCENTER				
Design Calculations for Evapotranspiration Beds:Commercial $Q = \ GPD$ Residential Water conserving fixtures to be utilized? YNumber of Bedrooms the septic system is sized for:Q gal/day = (Bedrooms +1) * 75 GPD - (20% reduction $Q = (\_\_\ 4 \ + 1) * 75 - (20\%) = \_\300$	4 Total sq. ft. living area 2424				
	<b>3200</b> sq. ft.				
Tank Size = $(\sim 3 * Q) = 1000$ Gal. Dual Comp.					
Excavation Length & Width L = A/W = 3200 / 20' = 160'  of	20' WIDE				
FINAL GRADE TO BE COVERED WITH VEGET	ATION TO MAXIMIZE TRANSPIRATION				
I HAVE PERFORMED A THOROUGH INVESTIGATION AND SITE EVALUATOR IN ACCORDANCE WITH CHA (REGARDING RECHARGE FEATURES), TEXAS CO (EFFECTIVE DECEMBER 29, 2016). GREG W. JOHNSON, P.E. 67587 - F#2585	APTER 285, SUBCHAPTER D, §285.30, & §285.40				











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#### **Special Warranty Gift Deed**

Date: Mr. M. 2017

Kenneth C. Laubach and Victoria Beth Laubach, a married couple Grantor:

Grantor's Mailing Address:

Kenneth C. Laubach and Victoria Beth Laubach 633 Herbelin Road New Braunfels, Texas 78132

Grantee: Cara B. Laubach, a single person

Grantee's Mailing Address:

#### Cara B. Laubach

633 Herbelin Road New Braunfels, Texas 78132

Consideration:

Love of, and affection for, Grantee.

Property (including any improvements):

Lot 1B2 of HERBELIN RANCH SUBDIVISION, Comal County, Texas, according to replat recorded as Document No. 201706048373, Official Public Records of Comal County, Texas.

**Reservations from Conveyance:** 

None

#### **Exceptions to Conveyance and Warranty:**

Validly existing easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2017, which Grantee assumes and agrees to pay, and subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantee assumes.

Grantor, for the Consideration and subject to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty, grants, gives, and conveys to

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COUNT

Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's heirs. successors, and assigns forever. Grantor binds Grantor and Grantor's heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's heirs, successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof when the claim is by, through, or under Grantor but not otherwise, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty.

Grantor grants and conveys the Property to Grantee as separate property.

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

C. Laubach Kenneth

NOV 0 2 2018

Victoria Beth Laubach

STATE OF TEXAS

COUNTY OF COMAL

This instrument was acknowledged before me on 11 Member 29, 2017. by Kenneth C. Laubach and Victoria Beth Laubach.

Notary Public, State of Texas

VICTORIA CASAREZ lotary Public, State of Texas My Commission Expires February 05, 2019

Filed and Recorded ficial Public Records Bobbie Koepp, County Clerk Comal County. /30/2017 01:16:12 PM JESSICA 2 Page(s) 201706052035 Bobbie Keepp