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

Perm	it#:		Address:				
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials		285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)				
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards		285.91(10) 285.30(b)(4) 285.31(d)				
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)		285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot		285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)		285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(G)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

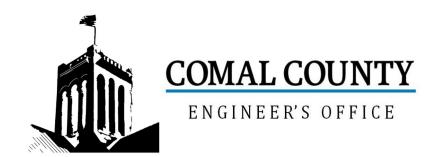
**Inspector Notes:** 

AL.	Di-si	Δ	Citation	N-4	1,41,	2	2
No.	Description SEPTIC TANK Tank(s) Clearly	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	Marked SEPTIC TANK If SingleTank, 2Compartments Provided withBaffle SEPTIC TANK Inlet Flowline Greater than3" and "T" Provided on Inlet and OutletSEPTIC TANK Septic Tank(s) MeetMinimum Requirements		285.32(b)(1) (E)285.91(2)285.32(b)(1) (F)285.32(b)(1)(E) (iii)285.32(b)(1)(E)(ii) (I)285.32(b)(1)(E) (i)285.32(b)(1)(E) (i)285.32(b)(1) (D)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (ii)285.32(b)(1) (B)285.32(b)(1) (A)285.32(b)(1)(E)(iv)				
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 Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system providedSEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
	SEPTIC TANK Tank Volume						
12	Installed						
	PUMP TANK Volume Installed						
13	AEROBIC TREATMENT UNIT Size						
14							
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo- transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

	OSSI IIISPECTION SHEET									
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.			
19	DISPOSAL SYSTEM Drip Irrigation		285.33(c)(3)(A)-(F)							
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)							
	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 285.33(a)(3) 285.33(a)(1) 285.33(a)(2)							
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)							
	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)							
24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)							
	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC									
26	DRAINFIELD Area Installed									
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)							
	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media									
	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)							
	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)							
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)							

				- T		I	I
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	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 Separate Circuit From Pump PUMP TANK Inspection/Clean Out						
37	Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided PUMP TANK Electrical						
	Connections in Approved Junction Boxes / Wiring Buried						

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.			
	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?		285.33(d)(2)(G)(iii)(II) 285.33(d)(2)(G)(iii)(III) 285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iii)(I)							
	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G) (i)285.33(d)(2) (A)285.33(d)(2)(F)							
	APPLICATION AREA Area Installed									
	PUMP TANK Meets Minimum Reserve Capacity Requirements									
	PUMP TANK Material Type & Manufacturer									
	PUMP TANK Type/Size of Pump Installed									



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

Permit Number: 116955

Issued This Date: 12/18/2023

This permit is hereby given to: Guy and Jennifer Souheaver

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

457 EDEN RANCH DR CANYON LAKE, TX 78133

Subdivision: Eden Ranch Section 7

Unit: -

Lot: 345

Block: -

Acreage: 5.0500

#### 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.

By Brenda Ritzen at 12:56 pm, Apr 03, 2024

From: Drew Evans < Drew. Evans@tceq.texas.gov>

Sent: Monday, April 1, 2024 4:42 PM

To: Kara Posso < Kara@zaraenvironmental.com>

**Cc:** Monica Reyes < Monica. Reyes@tceq.texas.gov>; James Slone < james.slone@tceq.texas.gov>; Michael Jones < Michael@zaraenvironmental.com>; Ryan Pircher < Ryan.Pircher@tceq.texas.gov>

Subject: RE: Encountered Feature at 457 Eden Ranch Drive, New Braunfels, Tx

#### Kara:

Pleasure meeting you and Michael at the 457 Eden Ranch Road feature site. Below is a short message confirming your report and recommendations.

On March 20, 2024 the TCEQ Edwards Aquifer Protection Program, San Antonio region, was contacted that a possible encountered feature had been encountered at 457 Eden Ranch Road (RN105376644;EAPP ID# 13-089070602) during septic tank installation. Zara Environmental sent a report on March 29, 2024 and deemed the feature to be not sensitive and recommended that the feature and excavation be backfilled with native materials and that the septic system be moved 50 feet away from the feature.

On April 1, 2024 a site assessment was conducted by the EAPP and upon review, the EAPP is in agreement that the feature is not sensitive and agree that the recommendations for mitigation are acceptable.

Let us know if you have any questions,

#### Drew Evans, PG

Geoscientist I

Edwards Aquifer Protection Program

TCEQ - Region 13

14250 Judson Road

San Antonio, Texas 78233

Phone: (210)403-4053

Fax: (210)545-4329

Email:drew.evans@tceq.texas.gov





By Brenda Ritzen at 8:37 am, Apr 03, 2024

29 March 2024

Texas Commission on Environment Quality San Antonio Region 14250 Judson Road San Antonio, Texas 78233-4880

Greetings,

A feature (ER-01) was encountered at a residential property during excavation for a septic system (OSSF permit 116955) on 20 March 2024 at 457 Eden Ranch Drive, New Braunfels, Texas. Zara Environmental LLC (Zara) geologists Michael Jones, P.G., and Kara Posso, P.G., conducted reconnaissance excavation and evaluation of the feature on 28 March 2024.

#### Feature Description

Feature ER-01 was encountered on the east side of an excavation that was 12.5 feet long by 5 feet wide by 7 feet tall (Figure 1 and Figure 2). The top of the feature was located 5 feet below the surface in epikarst bedrock. Geologists spent approximately 15 minutes performing hand excavation on the feature and ultimately measured as being 5.5 feet long by 2 feet tall and extended into bedrock beyond the excavation for 3 feet (Figure 3 and Figure 4). The feature was developed along a bedding plane and qualified as an "other natural bedrock feature". It was an alteration zone of high porosity filled with leached "punk rock" (soft, powdery material) grading into hard, unaltered rock in the Dolomitic Member of the Kainer Formation (Kkd). The fine, powdery leached material was highly friable and easily excavated, indicating that it likely has a moderate relative infiltration rate. However, the feature appeared to be an isolated and there were no open void apertures, lateral mesocavernous conduits, or other downward trending conduits within the feature; therefore, geologists concluded that ER-01 does <u>not</u> qualify as a sensitive recharge feature. Below is a field sketch of the feature with photos of the interior, and an exhibit of the feature location on the property has been included as the final attachment.

By Brenda Ritzen at 8:37 am, Apr 03, 2024

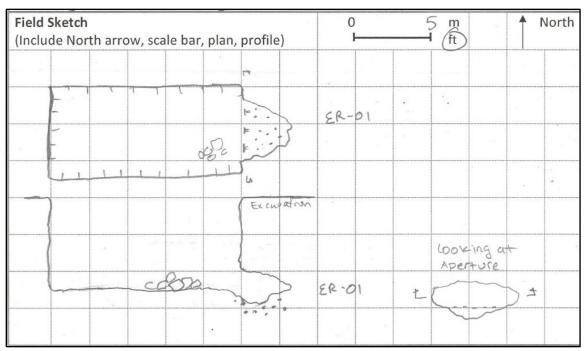


Figure 1. Field sketch of feature ER-01.



Figure 2. Overview of the excavation surrounding feature ER-01.



By Brenda Ritzen at 8:37 am, Apr 03, 2024



Figure 3. Overview of feature ER-01 prior to hand excavation and evaluation.



Figure 4. Interior of feature ER-01 following hand excavation.



By Brenda Ritzen at 8:37 am, Apr 03, 2024

#### Recommendations

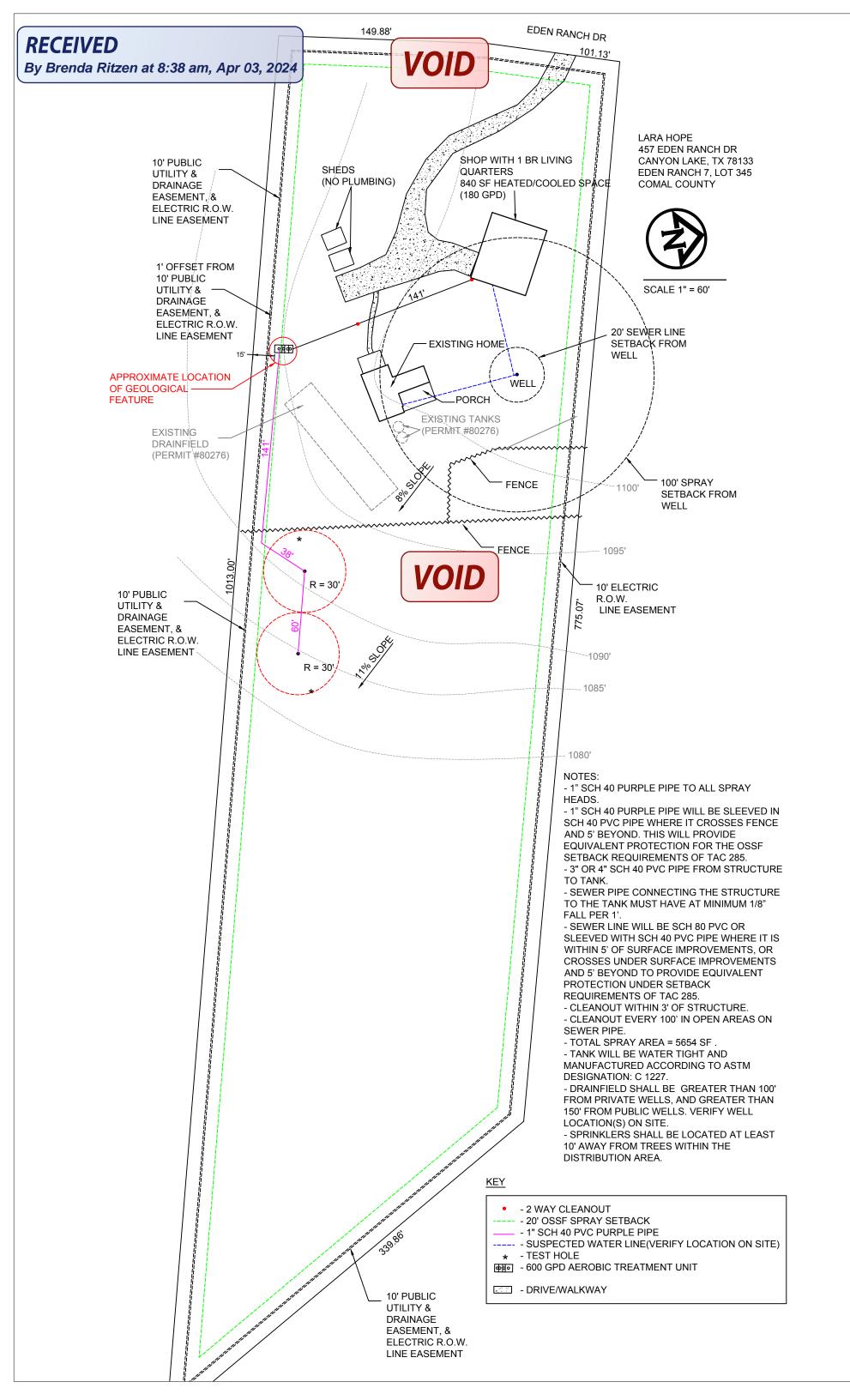
Although feature ER-01 did not qualify as a sensitive feature per the TCEQ criteria, due to the inherent heterogeneous nature of karst hydrogeology in the Edwards Aquifer Recharge Zone and the potential for groundwater contamination to occur from leaking septic system infrastructure, it is recommended that existing excavation be backfilled with native materials and the septic system be relocated 50 feet away from feature ER-01 to maximize the success of the installation design and prevent potential groundwater contamination.

#### Sincerely,



Kara Posso, PG and Michael Jones, PG Geologists, Zara Environmental LLC

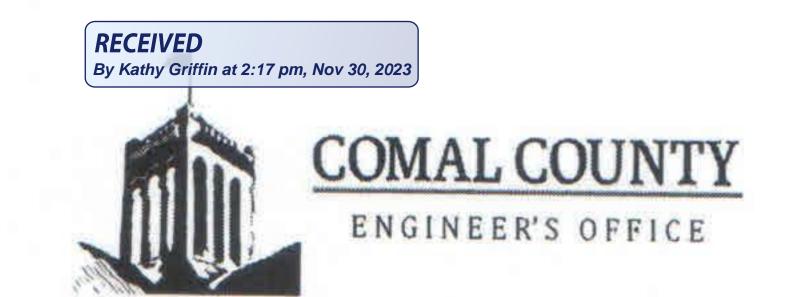




# COMAL COUNTY ENGINEER'S OFFICE

Installer- Baker Septic and Designer- D.A.D. Services called our office stating a possible recharge feature was discovered on 457 Eden Ranch permit 116955. Brandon Olvera informed them to stop all construction and call TCEQ for further guidance on what should be done.

NO INSPECTIONS UNTIL WE HAVE VERIFICATION FROM TCEQ



Signature of Owner

# ON-SITE SEWAGE FACILITY APPLICATION

195 DAVID JONAS DR NEW BRAUNFELS, TX 78132 (830) 608-2090 WWW.CCEO.ORG

Date 11/21/202	3		Permit Nun	nber1169	55
1. APPLICANT	AGENT INFORMATION				
Owner Name	Guy A. Souheaver and Jennifer Leigh Souheaver	Agent Name	Doug Dowlea	arn R.S.	
	457 Eden Ranch Drive	Agent Address			
City, State, Zip	Canyon Lake, TX 78133	City, State, Zip			
Phone #	713-446-6580	Phone #	210-878-8100		
Email	gsouheaver@yahoo.com	Email	TXSEPTIC@		
2. LOCATION					
Subdivision Nan	ne Eden Ranch Section 7	U	nit	Lot 345	Block
Survey Name / /	Abstract Number_			Acreage	
Address 457 Ed	den Ranch Dr	ity Canyon Lake		State	Zip 78133
3. TYPE OF DE					
X Single Far	nily Residential				
Type of C	onstruction (House, Mobile, RV, Etc.) Shop with 1 bedro	om			
Number o	f Bedrooms				
Indicate S	q Ft of Living Area 840				
Non-Single	Family Residential				
(Planning m	naterials must show adequate land area for doubling the	required land need	ded for treatmer	nt units and disp	osal area)
Type of Fa					
Offices, Fa	actories, Churches, Schools, Parks, Etc Indicate	Number Of Occu	pants		
Restauran	its, Lounges, Theaters - Indicate Number of Seats				
Hotel, Mot	el, Hospital, Nursing Home - Indicate Number of B	eds			
Travel Tra	iler/RV Parks - Indicate Number of Spaces				
Miscellane	eous				
		ructure Only)			
Is any portion	of the proposed OSSF located in the United States	Army Corps of E	Engineers (US	ACE) flowage	easement?
	No (If yes, owner must provide approval from USACE for pr				
Source of Wate	er Public Private Well Rainwater				
I. SIGNATURE					
The completed approached facts. I certify that property.	olication, I certify that: oplication and all additional information submitted does not be appropriate later than the property owner or I possess the appropriate later.	ind rights necessar	y to make the p	ermitted improv	ements on said
I understand that by the Comal Cou	ereby given to the permitting authority and designated ag n and inspection of private sewage facilities a permit of authorization to construct will not be issued unity Flood Damage Prevention Order.	intil the Floodplain	Administrator h	as performed th	ne reviews required
I affirmatively con	sent to the online posting/public release of my e-mail ad	dress associated v	vith this permit a	application, as a	pplicable.

Date

#### \* \* \* 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 Evaluation as Required Completed	d By
System Description	
Size of Septic System Required Based on Planning Materials	s & Soil Evaluation
Tank Size(s) (Gallons)	Absorption/Application Area (Sq Ft)
Gallons Per Day (As Per TCEQ Table III)  (Sites generating more than 5000 gallons per day are required to old	btain a permit through TCEQ.)
Is the property located over the Edwards Recharge Zone?	
Is there an existing TCEQ approved WPAP for the property?	☐ Yes ☐ No
(If yes, the R.S. or P.E. shall certify that the OSSF design complies	with all provisions of the existing WPAP.)
If there is no existing WPAP, does the proposed developmer (If yes, the R.S. or P.E. shall certify that the OSSF design will comp be issued for the proposed OSSF until the proposed WPAP has been	ly with all provisions of the proposed WPAP. A Permit to Construct will not
Is the property located over the Edwards Contributing Zone?	☐ Yes ☐ No
Is there an existing TCEQ approval CZP for the property? $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	☐ Yes ☐ No
(If yes, the P.E. or R.S. shall certify that the OSSF design complies	with all provisions of the existing CZP.)
If there is no existing CZP, does the proposed development a	activity require a TCEQ approved CZP?   Yes   No
(If yes, the R.S. or P.E. shall certify that the OSSF design will comp issued for the proposed OSSF until the CZP has been approved by	ly with all provisions of the proposed CZP. A Permit to Construct will not be the appropriate regional office.)
Is this property within an incorporated city?   Yes   1	No
If yes, indicate the city:	
By signing this application, I certify that: - The information provided above is true and correct to the best of n	ny knowledge.

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

Date

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

Signature of Designer

Page 2 of 2





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# **AFFIDAVIT TO THE PUBLIC**

# CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Commission on Environmental Quality (TCEQ) Rules for On-Site Sewage Facilities (OSSFs), this document is filed in the Deed Records of Comal County, Texas.

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, give 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 owners to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code § 285.91 (12) will be installed on the property described as (insert legal description):

Guy A. Souheaver and Jennifer Leigh Souheaver

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

EDEN RANCH, SECTION 7, LOT 345

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 OSSF may be obtained from **Comal County Engineer's Office.** 

WITNESS BY HAND(S) ON THIS 22 DAY OF No	venber , 2023
Owner(s) signature(s)	Cour Socheaver
	(PRINTED NAME) /TITLE
SWORN TO AND SUBSCRIBED BEFORE ME ON THIS	22 DAY OF NOV. 2023
Insult Browns	
Notary Public, State of Texas Notary's Printed Name: Annotec Brouss	
My Commission Expires: 8/24/2025	ANNETTE BROUSSARD
	A My Commission Expires

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
11/22/2023 09:44:43 AM
TERRI 1 Page(s)
202306036880

Cobbie Koepp

#### Baker Septic Service, LLC 15375 Cranes Mill Rd., Canyon Lake, TX 78133 830-899-2971

Septic System Service Agreement

In consideration of payment for this service contract, we will abide by and agree to its terms and conditions:
Name: Carry Sala Royard
Subdivision/ County C
Permit # Model # Serial #
Phone: 713-446-1.580
( X) Initial Two Year Service Agreement ( ) One Year Service Agreement
& Two Year Limited Warranty
RENEWAL NAME TRANSFER ANALYSIS
Legal Description:
The Effective date of this initial maintenance contract shall be the date the License to Operate is issued.
For \$ 1. An inspection/service call every (4) four months which will include: inspection, adjustments and consistence to the
the state of the s
mechanical & electrical components as necessary to insure proper function of the system.  2. An effluent quality inspection consisting of a visual check for color, turbidity, scum, overflow an odor.
3. THE PROPERTY OWNER IS RESPONSIBLE FOR PURCHASING AND KEEPING CHLORINE IN THE CHLORINATOR (IF
APPLICALBE). IF THE CHLORINE TEST REVELS "NO CHLORINE" IN THE SYSTEM, THE PROPERTY OWNER MAY INCUI
AN ADDITIONAL COST.
4. 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.
5. The response time to a complaint by the property owner regarding operation of the system, shall be within 48 hour
from the time of notification. One service call a year, if needed, will be provided with no cost to property owner.
6. ANY PARTS, WARRANTY OR NON-WARRANTY, FREIGHT CHARGES, LABOR OR SERVICE CALLS DUE NOT PAID FOR
REMAIN THE PROPERTY OF BAKER SEPTIC SERVICE, LLC AND COULD RESULT IN REPOSSESSION OF PARTS BY BAKE
SEPTIC SERVICE, I.I.C.
7. THE SIGING OF THIS SERVICE AGREEMENT QUTHORIZES BAKER SEPTIC SERVICE, LLC TO ENTER THE PROPETY TO
EXECUTE ALL TERMS OF THIS CONTRACT.
BAKER SEPTIC SERVICE, LLC, WILL WARRANTY INSTALLATION of the septic system according to state and county regulations and t
designs approved by the county. HOMEOWNER WILL BE RESPONSIBE FOR SERVICE CALL, LABOR, AND SHIPPING COSTS ON AND
"WARRANTED PARTS" EXCHANGED DURING WARRANTY. All other component will be according to manufacturer's warranties
awroktant: As Baker Septic Service, LLC cannot control what or how much effluent goes into this septic system, we cannot
warranty now the system will function. Refer to manufacturers or installers instructions for suggestions on sentic operation. This
service agreement does not cover the cost of service call, 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 sewe
flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvent, grease, oil, paint etc.), or any usage contrary to the requirements as advised by publication of non-biodegradable materials (solvent, grease, oil, paint
etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available an additional coast. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost.
This contract does not include the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any profit to the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any profit to the pumping of a tank or of the pumping of the pumping of a tank or of the pumping of the pumping of tank or of the pumping of tank or of tank or of the pumping of tank or of tank o
of the system regardless of reason:
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
violation.
A renewal service contract should be activated (30) thirty days before expiration of existing contract. We will contact property
owner prior to expiration of existing contract. We will contact property
Serviced by: Baker Septic Service, LLC  Maintenance Provider Meo 299 WKV
(w)
Property Owner Signature . Print Name (X) (3-04) Scoke Guev Date: 11   21   2623
(v) 1/1/1/2 1/1-28-23

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

**Date**: 11/30/2023 **Applicant Information**:

Name: Guy A. Souheaver and Jennifer Leigh Souheaver

Address: 457 Eden Ranch Dr

City, State & Zip Code: Canyon Lake, TX 78133

Phone: Email:

**Subdivision:** Eden Ranch Section 7 **Lot:** 345 **Street/Road Address:** 457 Eden Ranch Dr **City, State & Zip Code**: Canyon Lake, TX 78133

**Additional Info:** Comal County

Site Evaluator Information:
Name: Douglas R. Dowlearn
Company: D.A.D. Services, Inc.
Address: 703 Oak Drive

City, State & Zip: Blanco, TX 78606

**Phone:** (210)240-2101 **Fax:** (866)260-7687

Email: txseptic@gmail.com

**Installer Information:** 

Name: Company: Address:

City, State & Zip:

Phone:

Depth	Texture Class	Soil Texture	Structure (For Class III – blocky, platy or massive)	<b>Drainage</b> (Mottles/Water Table	Restrictive Horizon	Observation
Soil Boring #1 60"	III	0-12" Clay Loam 12"+ Limestone	Blocky	<30% Gravel	12"+ Limestone	None

Soil Boring #2 60"

Same as above

#### **DESIGN SPECIFICATIONS**

Application Rate (RA): 0.064

OSSF is designed for: Shop with 1 bedroom 840 Sq. Ft heated/cooled space

180 gallons per day

An aerobic treatment/spray disposal system is to be utilized based on the site evaluation.

2813 sq. ft. disposal area required 600 gallon/day aerobic tank required

Calculations: Absorption Area: Q/RA= 180/0.064= 2813 Sq. Ft.

#### FEATURES OF SITE AREA

Presence of 100-year flood zone: NO

Presence of upper water shed: NO

Existing or proposed water well in nearby area: YES

angle Ducks.

Organized sewage service available to lot: NO

Presence of adjacent ponds, streams, water impoundments: NO

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability. The site evaluation and OSSF design are subject to approval by the TCEQ or the local authorized agent. The planning materials and the OSSF design should not be considered final until a permit to construct has been issued.

**Site Evaluator:** 

NAME: Douglas R. Dowlearn, R.S.

Signature:

License No. OS9902 – Exp. 6/30/2026 TDH: #2432 – Exp. 2/28/2025

#### D.A.D SERVICES, INC.

#### DOUG DOWLEARN

#### PO BOX 212, BULVERDE, TX 78163

Designed for:

GUY A. SOUHEAVER AND JENNIFER LEIGH SOUHEAVER

The installation site is at lot 345 of the Eden Ranch 7 subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a shop with 1 bedroom(840 sf of heated/cooled space). The proposed method of wastewater treatment is aerobic treatment with spray irrigation. This method was chosen because of unsuitable soil conditions.

#### PROPOSED SYSTEM:

A 3" or 4" PVC pipe will discharge from the structure to a pre-treatment tank, which flows into a 600 gpd aerobic treatment plant. The aerobic tank effluent flows to a 796 gallon storage/pump tank containing a liquid chlorinator and a single 20 gpm submersible pump. Distribution is through 2 K-Rain Gear Driven pop-up sprinklers, with low angle (13 degrees) spray nozzles spraying at 40 psi. Each sprinkler will spray at 30' radii, and will spray 360 degrees of arc. An audio and visual alarm monitoring both high water and aerator failure will be placed in a noticeable location.

#### **DESIGN SPECIFICATIONS:**

Daily Waste Flow: 180 gpd Application rate: 0.064

Application area required: 180/.064 = 2813 ft. sq.

Application area utilized: 5654 sq. ft.

Pump tank reserve capacity: 60 gal minimum

#### **SYSTEM COMPONENTS:**

SCH 40 PVC sewer line Pro Flo 600 SLPT

447-gallon Pretreatment tank

600 GPD Aerobic Treatment Unit 796-gallon Pump tank with manual controls

C-1 20X, Model no. 20XC1-05P4-2W115 (or equivalent) submersible pump

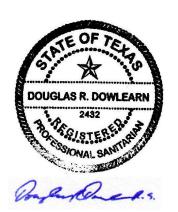
Liquid chlorinator

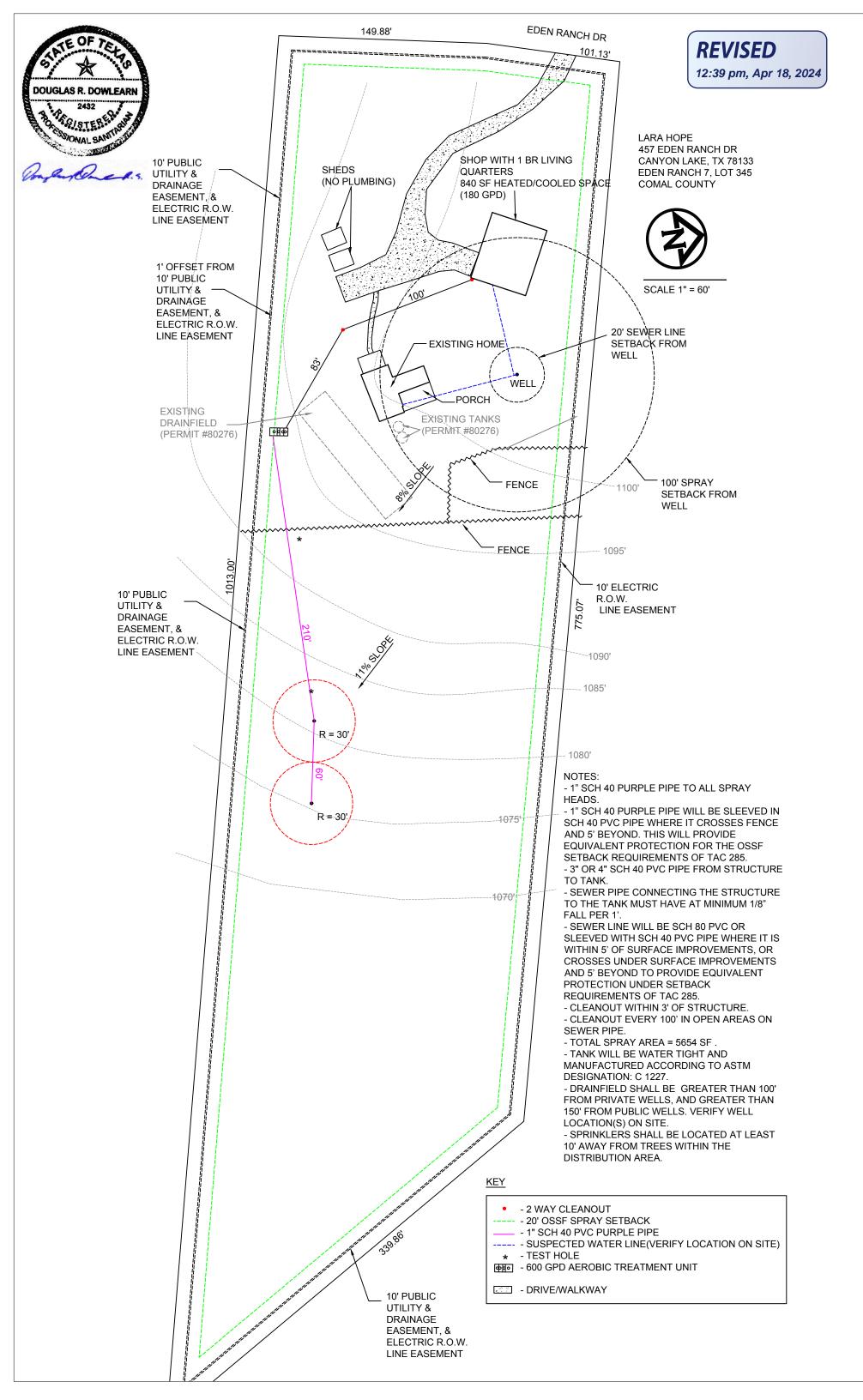
1" purple PVC supply line

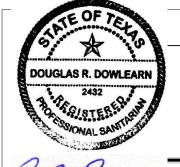
2 K-Rain Gear Driven pop-up sprinklers

#### LANDSCAPING:

The entire surface application area must consist of an area with vegetation capable of growth, before system start up. In the event the surface application area does not have vegetation capable of growth, the bare area shall be seeded or sodded.







Configurations may vary 14.47 gal per inch Warning Light Mute Switch Clarifier Access Pump Tank Access **Aerator Cover** Control Inspection Cap Pump Tank Panel Aerator Pretreatment Access 796 Gal. Pump Tank Inlet **SPECIFICATIONS** Overall Length. Overall Width 447 Gal. Height without Risers Pretreatment Outlet Exterior Wall Thickness Baffle Interior Wall Thickness Top Thickness **Bottom Thickness** 269 Gal. 32¾"(t) - 30¼"(b) Clarifier . 53"(t) - 52"(b) Aeration Length Pretreatment Clarifier Length .. 24"(t) - 23"(b) Outlet Pump Tank 57¼"(t) - 54¾"(b)

Bottom of Inlet to Bottom of Tank ...

Air Diffuser

=Top Dimension - (b) = Bottom Dimension

..... 61½'

747 Gal.

**Aeration Chamber** 

# () () () Deglein

#### NOTES:

Baffle

34" PVC

Pipe

- NOT TO SCALE.
- SET TO ACTIVATE ON DEMAND.

Pro Flo 600 SLPT

14.47 GALLONS PER INCH

29" - 55" = RESERVE(376.22 GALLONS)

29" = ALARM ON

12" - 27" = PUMP OFF TO PUMP ON(217.05 GALLONS)

Drawing Not to Scale

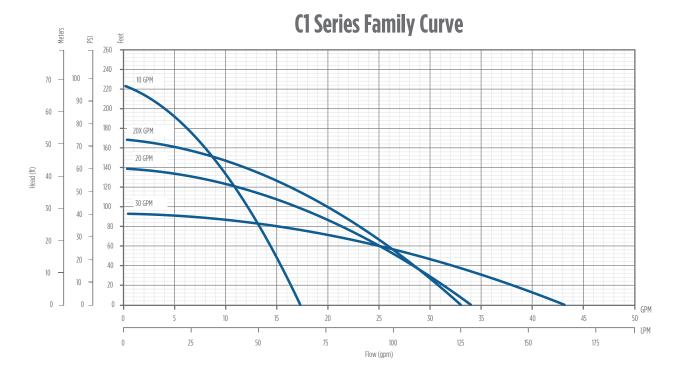
All Gallonage Approximate

0" - 12" = SUMP (173.64 GALLONS)

Slope







#### **FEATURES**

- Supplied with a removable 5" base for secure and reliable mounting
- Bottom suction design
- Robust thermoplastic discharge head design resists breakage during installation and operation
- Single shell housing design provides a compact unit while ensuring cool and guiet operation
- Hydraulic components molded from high quality engineered thermoplastics
- Optimized hydraulic design allows for increased performance and decreased power usage
- All metal components are made of high grade stainless steel for corrosion resistance
- Available with a high quality 115 V or 230 V, ½ hp motor
- Fluid flows of 10, 20, and 30 gpm, with a max shut-off pressure of over 100 psi
- Heavy duty 600 V 10 foot SJ00W jacketed lead

#### **APPLICATIONS**

- Gray water pumping
- Filtered effluent service water pumping
- Water reclamation projects such as pumping from rain catchment basins
- Aeration and other foundation or pond applications
- Agriculture and livestock water pumping

#### ORDERING INFORMATION

C1 Series Pumps									
GPM	HP	Volts	Stage	Model No.	Order No.	Length (in)	Weight (lbs)		
10		115	7	10C1-05P4-2W115	90301005	26	17		
10		230	7	10C1-05P4-2W230	90301010	26	17		
20	1/2	115	5	20C1-05P4-2W115	90302005	25	16		
20		1/2	230	5	20C1-05P4-2W230	90302010	25	16	
20X	1/2	115	6	20XC1-05P4-2W115	90302015	26	17		
201		230	6	Z0XCI-05P4-ZWZ30	90302020	Zb	17		
70		115	4	30C1-05P4-2W115	90303005	25	16		
30		230	4	30C1-05P4-2W230	90303010	25	16		

Note: All units have 10 foot long SJ00W leads.



**franklinwater.com** M1698 07-14

From: Ritzen, Brenda
To: Lauren Dowlearn

Cc: gsouheaver@yahoo.com; William Baker

**Subject:** RE: Permit 116955

**Date:** Thursday, April 18, 2024 12:40:00 PM

Attachments: <u>image001.png</u>

Lauren,

The permit file has been updated.

Thank you,



#### **Brenda Ritzen**

Environmental Health Coordinator 195 David Jonas Dr. New Braunfels, TX 78132 DR:OS00007722 830-608-2090 www.cceo.org

From: Lauren Dowlearn <txseptic@gmail.com>

**Sent:** Thursday, April 18, 2024 11:21 AM **To:** Ritzen, Brenda <rabbjr@co.comal.tx.us>

**Cc:** gsouheaver@yahoo.com; William Baker <bakersepticservice@yahoo.com>

Subject: Re: Permit 116955

### This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

- Comal IT

Please see attached.

Thank you, Lauren Dowlearn 210-878-8100 D.A.D Services, Inc.

www.TexasSuperSeptic.com

On Thu, Apr 18, 2024 at 10:22 AM Ritzen, Brenda < rabbjr@co.comal.tx.us > wrote:

From: Ritzen, Brenda
To: Lauren Dowlearn

Cc: gsouheaver@yahoo.com; William Baker

**Subject:** RE: Permit 116955

**Date:** Thursday, April 18, 2024 10:21:00 AM

Attachments: <u>image001.png</u>

Lauren,

route new sewer supply line outside of existing drainfield.

Thank you,



#### **Brenda Ritzen**

Environmental Health Coordinator 195 David Jonas Dr. New Braunfels, TX 78132 DR:OS00007722 830-608-2090 www.cceo.org

From: Lauren Dowlearn <txseptic@gmail.com>

**Sent:** Wednesday, April 17, 2024 4:20 PM **To:** Ritzen, Brenda <rabbjr@co.comal.tx.us>

**Cc:** gsouheaver@yahoo.com; William Baker <bakersepticservice@yahoo.com>

Subject: Re: Permit 116955

### This email originated from outside of the organization.

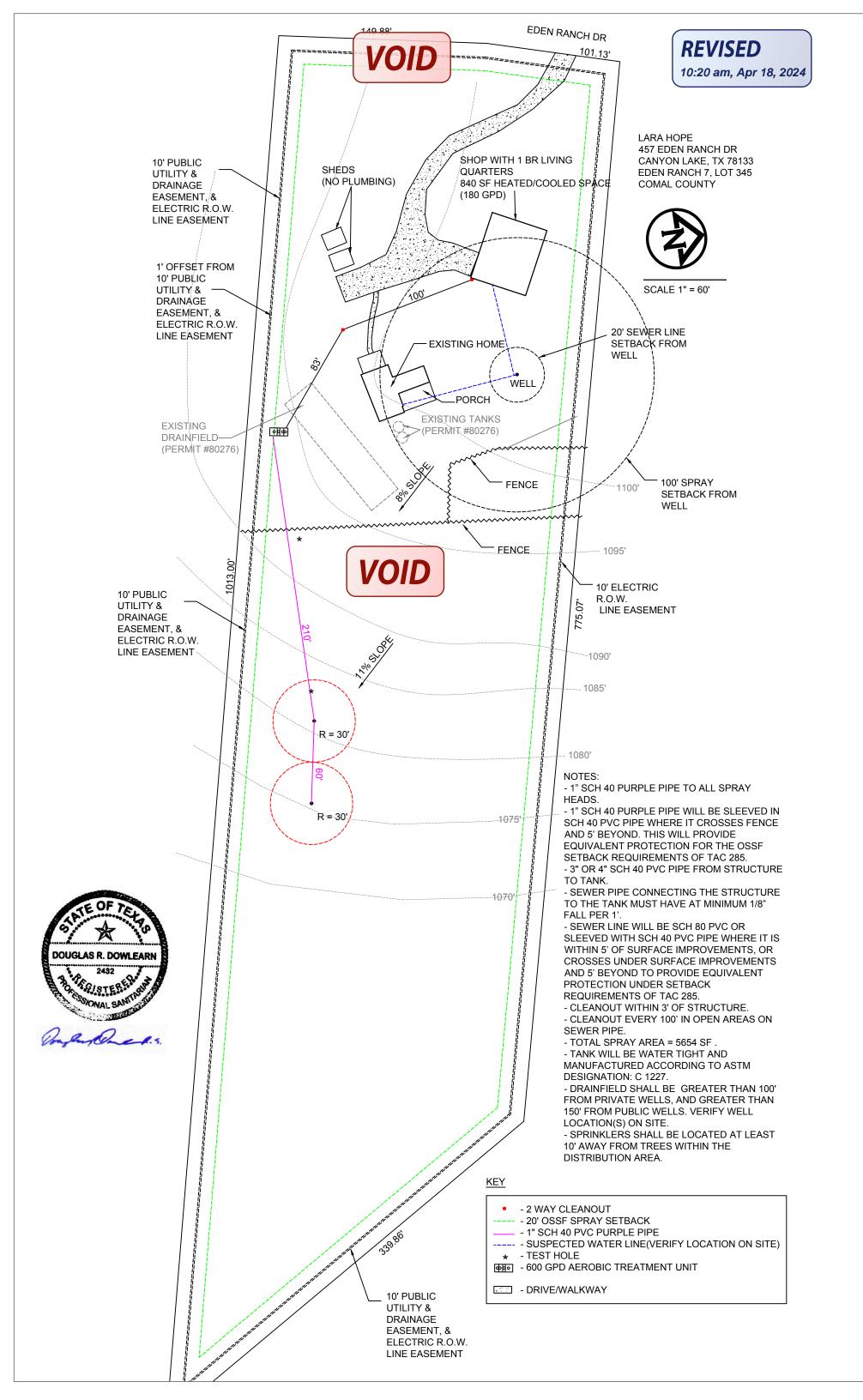
Do not click links or open attachments unless you recognize the sender and know the content is safe.

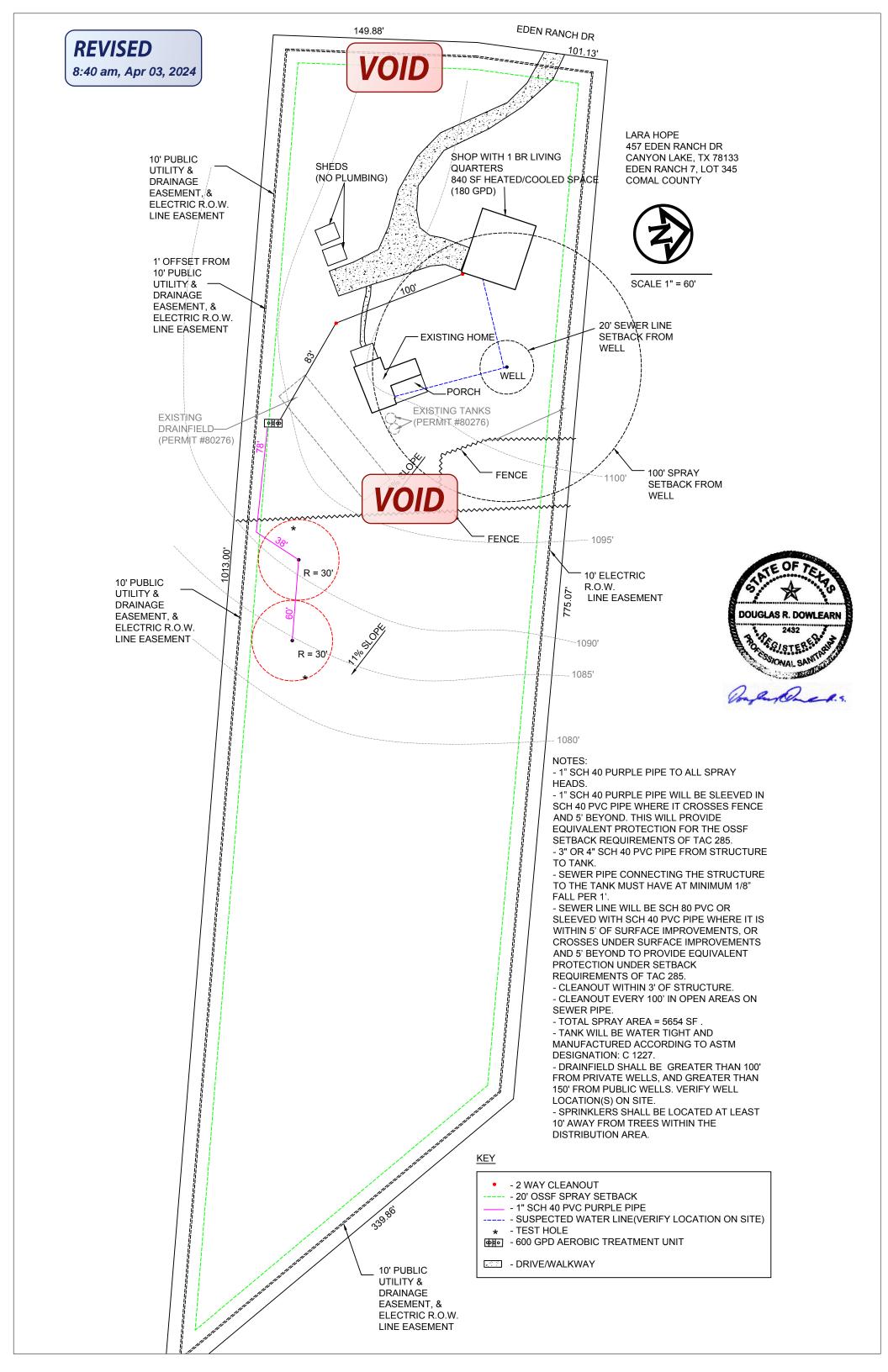
- Comal IT

Good afternoon Brenda,

Please see the attached revision.

Thank you, Lauren Dowlearn 210-878-8100 D.A.D Services, Inc. www.TexasSuperSeptic.com





From: Ritzen, Brenda To: Lauren Dowlearn

gsouheaver@yahoo.com; William Baker Cc:

Subject: RE: Permit 116955

Date: Wednesday, April 3, 2024 12:59:00 PM

Attachments: image001.png

Lauren,

The permit file has been updated. The licensed septic installer may proceed.

Thank you,



#### **Brenda Ritzen**

Environmental Health Coordinator 195 David Jonas Dr. New Braunfels, TX 78132 DR:OS00007722 830-608-2090 www.cceo.org

From: Lauren Dowlearn <txseptic@gmail.com>

Sent: Wednesday, April 3, 2024 9:00 AM To: Ritzen, Brenda <rabbjr@co.comal.tx.us>

**Cc:** gsouheaver@yahoo.com; William Baker <bakersepticservice@yahoo.com>

Subject: Re: Permit 116955

#### This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender and know the content

is safe.

- Comal IT

Hi Brenda, attached is the email with the TCEQ response.

Thank you, Lauren Dowlearn 210-878-8100 D.A.D Services, Inc.

www.TexasSuperSeptic.com

On Wed, Apr 3, 2024 at 8:48 AM Ritzen, Brenda <<u>rabbjr@co.comal.tx.us</u>> wrote:

From: Ritzen, Brenda
To: "Lauren Dowlearn"

Cc: gsouheaver@yahoo.com; William Baker

**Subject:** RE: Permit 116955

**Date:** Wednesday, April 3, 2024 8:48:00 AM

Attachments: <u>image001.png</u>

Lauren,

Please submit TCEQ's response to the Zara Environmental letter of their findings.

#### Thank you,



#### **Brenda Ritzen**

Environmental Health Coordinator 195 David Jonas Dr. New Braunfels, TX 78132 DR:OS00007722 830-608-2090 www.cceo.org

From: Lauren Dowlearn <txseptic@gmail.com>

**Sent:** Wednesday, April 3, 2024 8:24 AM **To:** Ritzen, Brenda <rabbjr@co.comal.tx.us>

Cc: gsouheaver@yahoo.com; William Baker <bakersepticservice@yahoo.com>

Subject: Re: Permit 116955

### This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender and know the content

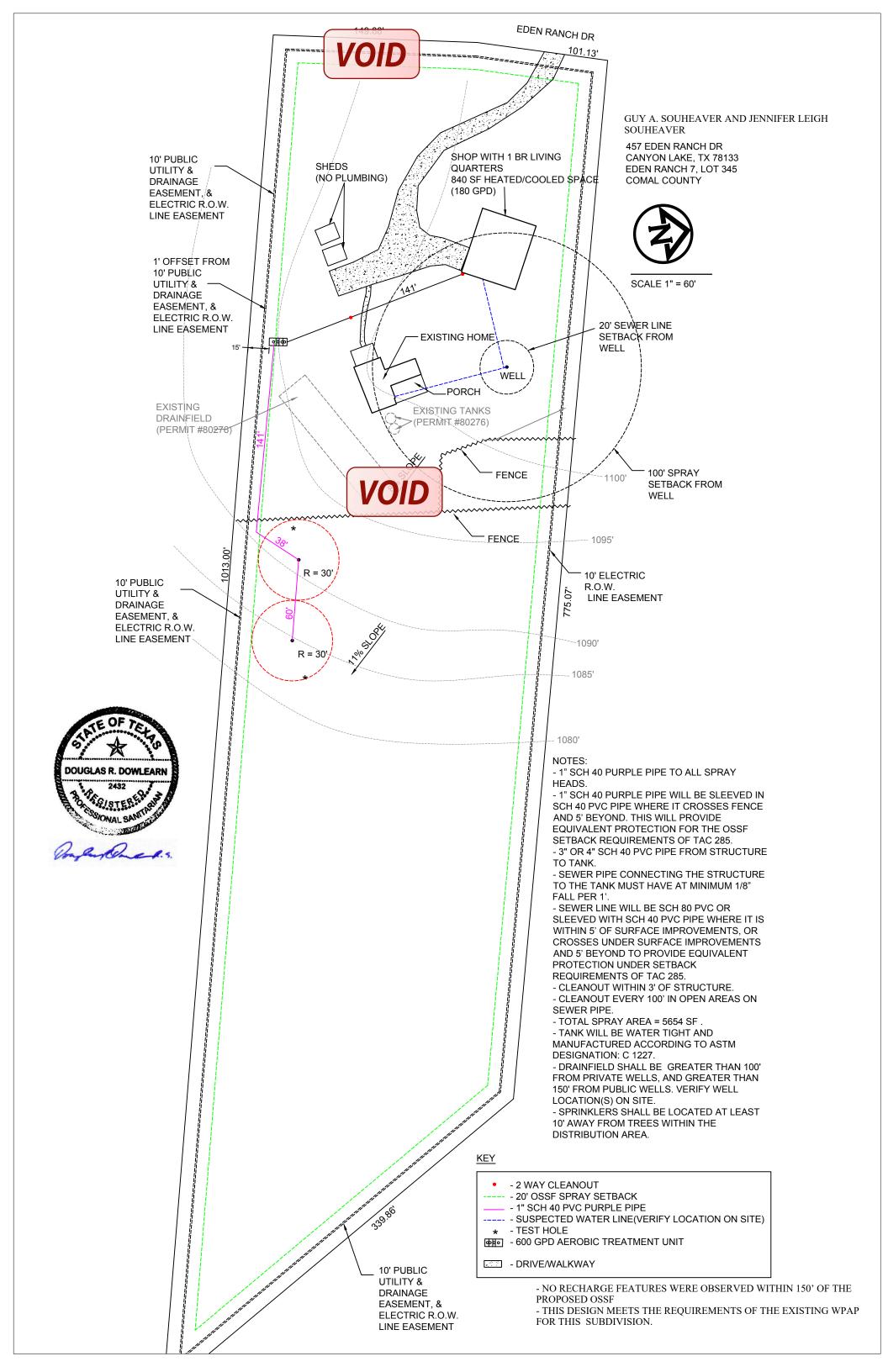
- Comal IT

Hi Brenda,

Attached - find updated site plan showing the tank shifted > 50' from the initial tank location.

Thank you, Lauren Dowlearn 210-878-8100 D.A.D Services, Inc.

www.TexasSuperSeptic.com



# Independence Title/GF# 230093 -CLF/ PO

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 WITH VENDOR'S LIEN

Date: August 1, 2023

Grantor: Hope Lara, aka Hope G. Lara, aka Esperanza De La Garza-Lara, a single person

# Grantor's Mailing Address (including county):

2111 Cincinnati Avenue San Antonio, Texas 78228 Bexar County

Grantee: Guy A. Souheaver and Jennifer Leigh Souheaver, a married couple

# Grantee's Mailing Address (including County):

1400 Graham Drive Tomball, Texas 77375 Harris County

Consideration: TEN AND NO/100 DOLLARS and other good and valuable consideration and the further consideration of a note of even date that is in the principal amount of TWO HUNDRED THOUSAND AND 00/100 (\$200,000.00) DOLLARS and is executed by Grantee, payable to the order of NEW CITY MORTGAGE, LLC. The note is secured by a vendor's lien retained in favor of NEW CITY MORTGAGE in this deed and by a deed of trust of even date, from Grantee to CHRIS A. PEIRSON, Trustee.

## Property (including any improvements):

Lot 345, EDEN RANCH SUBDIVISION, SECTION 7, situated in Comal County, Texas, according to the map or plat thereof, recorded in Volume 9, Pages 269-273, Map and Plat Records, Comal County, Texas.

# Reservations From and Exceptions to Conveyance and Warranty:

This conveyance is made and accepted subject to any and all restrictions, covenants, reservations, and easements, if any, relating to the hereinabove described property, but only to the extent they are still in effect, shown of record in the hereinabove mentioned County and State.

Current ad valorem taxes on said property having been prorated, the payment thereof is assumed by Grantee.

Grantor, for the consideration, receipt of which is acknowledged, and subject to the reservations from and exceptions to conveyance and warranty, grants, sells and conveys to Grantee the property, together with all and singular the rights and appurtenances thereto in any wise belonging, to have and hold it to Grantee, Grantee's heirs, executor, administrators, successors or assigns forever. Grantor binds Grantor and Grantor's heirs, executors, administrators and successors are hereby bound to warrant and forever defend all and singular the property to Grantee and Grantee's heirs, executors, administrators, successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the reservations from and exceptions to conveyance and warranty.

NEW CITY MORTGAGE, LLC at Grantee's request, having paid in cash to Grantor that portion of the purchase price of the property that is evidenced by the Note described, the Vendor's Lien and Superior Title to the Property are retained for the benefit of NEW CITY MORTGAGE, LLC and are transferred and assigned to NEW CITY MORTGAGE, LLC and its successors and assigns, without recourse on Grantor.

The Vendor's Lien against and Superior Title to the Property are retained until each Note described is fully paid according to its terms, at which time this Deed shall become absolute.

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



Hope Lara, aka Hope G. Lara, aka Esperanza De La Garza-Lara, acting by Anthony Lawrence Lara, agent and attorney-in-fact

By: \_\_\_\_\_

Anthony Lawrence Lara, agent and attorney-in-fact

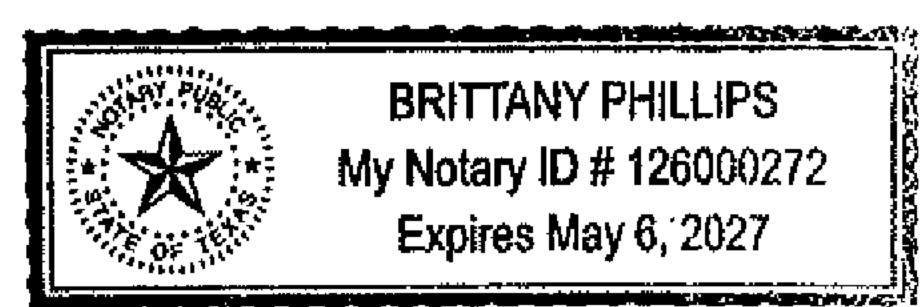
# ACKNOWLEDGMENT

## STATE OF TEXAS

# COUNTY OF COMAL

This instrument was acknowledged before me on this \_\_\_\_\_ day of August 2023 by Anthony Lawrence Lara, agent and attorney-in-fact, for Hope Lara, aka Hope G. Lara, aka Esperanza De La Garza-Lara, and on her behalf.

Notary Public, State of Texas



PREPARED IN THE OFFICES OF: Stevens & Malone, PLLC P.O. Box 1744 Canyon Lake, Texas 78133 830.964.4426 – tel. 830.964.4426 – fax

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
08/21/2023 03:59:17 PM
TERRI 3 Pages(s)
202306026799







# OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

			116955
	Date Received	Initials	Permit Number
nstructions:			
lace a check mark next to all items that apply. For items thecklist must accompany the completed application.	that do not apply, plac	e "N/A". This	S OSSF Development Application
SSF Permit			
Completed Application for Permit for Authorization to	o Construct an On-Site	Sewage Fa	cility and License to Operate
Site/Soil Evaluation Completed by a Certified Site E	valuator or a Professio	nal Engineer	
Planning Materials of the OSSF as Required by the of a scaled design and all system specifications.	TCEQ Rules for OSSF	Chapter 28	5. Planning Materials shall consis
Required Permit Fee - See Attached Fee Schedule			
Copy of Recorded Deed			
Surface Application/Aerobic Treatment System			
Recorded Certification of OSSF Requiring Ma	intenance/Affidavit to the	he Public	
Signed Maintenance Contract with Effective D	ate as Issuance of Lice	ense to Oper	ate
affirm that I have provided all information required formation required formation and all information required formation requir	or my OSSF Developi ion.	ment Applic	ation and that this application
Signature of Applicant		121/202	Date
COMPLETE APPLICATION  Check NoReceipt No	(Mi		LETE APPLICATION Circled, Application Refeused)
			Revised: September 2019