Olvera, Brandon

From: Olvera, Brandon

Sent: Tuesday, April 30, 2024 4:04 PM

To: Greg Johnson **Cc:** Brad Parker

Subject: RE: 1896 LIVE OAK DR - HUERTA #11

Good Afternoon,

File has been updated. Update page 2 of the application.

Thank You,

| Brandon Olvera | Designated Representative OS0034792 | Comal County | www.cceo.org | 195 David Jonas Dr, New Braunfels, TX-78132 | t: 830-608-2090 | f: 830-608-2078 | e: olverb@co.comal.tx.us |

From: Greg Johnson <gregjohnsonpe@yahoo.com>

Sent: Wednesday, April 24, 2024 7:44 AM **To:** Olvera, Brandon < Olverb@co.comal.tx.us> **Cc:** Brad Parker < parker.construction@yahoo.com>

Subject: 1896 LIVE OAK DR - HUERTA #11

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

Revised.

Thx,

Greg

Send for Greg W. Johnson, P.E., R.S.)

170 Hollow Oak

New Braunfels, TX 78132

Office/Fax (830) 905-2778

Email: gregjohnsonpe@yahoo.com

Revised July 2018

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

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

ystem Description	PRO	PRIETARY; AE	ROBIC TREATMENT	AND DRIP TUBIN	G
ze of Septic System Re					
ank Size(s) (Gallons)	CLEGUSTUL	FAM GOON CS	了 orption/Application A	rea (Sq Ft)	2000
		240		• • • • • • • • • • • • • • • • • • • •	
alls as Per Day (As Pe			ain a permit through TCE	EQ)	
the property located o					
yes, the planning	als must be	by a	nitarian (R.S rofess	(E.))
there an existing	2 approv	property.	es [
yes, the R. S. or P.	all certification (the O	sign complies	prov of the	g WPAP.)	
here is no existin	AP the pr	d developme	vity e a T	pproved W	Yes No
yes, the R.S. or P. E. be issued for the p	that the C	esign will cor	th all lons o	oposed WF	ermit to Construct w
be issued for the pi	SF until the	WIPAP	on app by the	priate region (C	
he property located o	ver the Edwards Con	tributing Zone?	Yes No		
		_			
there an existing TCEC	* *			victina C7D\	
110 1 .E. 01 11.0. 011d	in certary that the coor	accigii complico in	an provisions of the o.	xioting OLF /	
here is no existing CZ yes, the P.E. or R.S. sha					
t be issued for the prop	•	• , ,	•	•	int to contact win,
this property within	n an incorporated	citv? ☐ Yes	⊠ No	The said of the	
	-	(1.13)	<u>-</u>	ATE OF TETA	
yes, indicate the ci	ty:	,		* **	A
			GF	REG W. JOHNSON	
			A PART	FGISTERE L	
			Ret	SONAL ENGINE	
				FIRE	M #2585
signing this application, I ne information provided a	*	t to the best of my k	nowledge.		
_		-	address associated with	this permit application	, as applicable
LYY			January 18	. 2024	
nature of Designer			Date	<u> </u>	Page 2

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

staller 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)				
	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)		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)(C)(i) 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) 285.32(b)(1)(E)(ii)(II)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

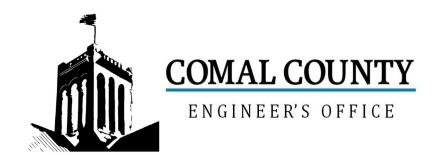
Inspector Notes:

N-	December 41	A may	Citotiana	Net	1 at 1	2 m d 1	7 mal 1
No.	Description SEPTIC TANK Tank(s) Clearly	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	Marked SEPTIC TANK IsingleTank, 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)(C) (ii)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)				
1	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 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 Installed						
12							
	PUMP TANK Volume Installed						
1	AEROBIC TREATMENT UNIT Size Installed						
14							
	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
15	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)				
18			203.33(a)(2)				

	O331 Inspection 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)				
21	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)				
23	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						
	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)				
	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				

	B		6 11.11		4.11	2.11	0.11
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)				
34	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.						
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
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: 117346

Issued This Date: 04/18/2024

This permit is hereby given to: MICHAEL & DOLORES HUERTA

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

1896 LIVE OAK DR CANYON LAKE, TX 78133

Subdivision: TAMARACK SHORES

0

Unit: 2 Lot: 93

Block:

Acreage: 0.0000

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic

Drip 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.



COMPLETE APPLICATION

OSSE DEVELOPMENT APPLICATION

COMAL COUNTY	CHECKLIST					
ENGINEER'S OFFICE	Staf	f will complete sh	aded items			
	Date Received	Initials	Permit Number			
Instructions: Place a check mark next to all items that apply. For iter Checklist <u>must</u> accompany the completed application.	ms that do not apply, plac	e "N/A". This OS	SF Development Application			
OSSF Permit						
Completed Application for Permit for Authorization	n to Construct an On-Site	Sewage Facility	and License to Operate			
Site/Soil Evaluation Completed by a Certified Site	Evaluator or a Professio	nal Engineer				
Planning Materials of the OSSF as Required by the of a scaled design and all system specifications.	e TCEQ Rules for OSSF	Chapter 285. Pla	anning Materials shall consist			
Required Permit Fee - See Attached Fee Schedul	е					
Copy of Recorded Deed						
Surface Application/Aerobic Treatment System						
Recorded Certification of OSSF Requiring N	//aintenance/Affidavit to ti	he Public				
Signed Maintenance Contract with Effective	Date as Issuance of Lice	ense to Operate				
I affirm that I have provided all information required constitutes a completed OSSF Development Applic		nent Application	n and that this application			
188	04	1/02/202	24			
Signature of Applicant		Dat	е			
						

Revised: September 2019

INCOMPLETE APPLICATION (Missing Items Circled, Application Refeused)



By Brandon Olvera at 3:24 pm, Apr 30, 2024

ON-SITE SEWAGE FACILITY APPLICATION

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

DateJan	nuary 16, 2024			Permit Nu	ımber	117	346	
1. APPLICANT /	AGENT INFORMATION							
Owner Name	MICHAEL & DOLORES HUERTA	Agent Name GREG			GREG JO	HNSC	N, P.E.	
Mailing Address 2704 S 3RD ST.			 t Address _		170 HO	LLOW	OAK	
	AUSTIN, TEXAS 78704		State, Zip					78132
Phone #	512-779-7080	Phon	_			905-27		
Email	mhuerta512atx@gmail.com	Emai	_	gr	egjohnsor	pe@y	ahoo.co	m
2. LOCATION			_					
	e TAMARACK SHORES		Un	it 2	Lot	93	Blo	ck
	bstract Number							
	1896 LIVE OAK DRIVE		CANYON					
3. TYPE OF DEV					_			
Single Fam	ily Residential							
Type of Co	nstruction (House, Mobile, RV, Etc.)	3 - PER	SONAL RV	S				
Number of								
Indicate Sc	ম Ft of Living Area							
_	Family Residential							
(Planning ma	aterials must show adequate land area for doubling	g the require	ed land neede	ed for treatm	ent units	and dis	posal ar	ea)
Type of Fa	cility							
	ctories, Churches, Schools, Parks, Etc Indi	_	er Of Occur	pants				
	s, Lounges, Theaters - Indicate Number of Se							-
	el, Hospital, Nursing Home - Indicate Number							
Travel Trai	ler/RV Parks - Indicate Number of Spaces							
Miscellane						_		
Estimated Cost	t of Construction: \$ 50,000	(Structur	e Only)					
Is any portion of	of the proposed OSSF located in the United S	tates Arm	y Corps of E	ngineers (l	JSACE) 1	flowag	e easer	ment?
	No (If yes, owner must provide approval from USACE f					_		
	er 🔀 Public 🔲 Private Well 🔲 Rainwate							·
4. SIGNATURE C	OF OWNER							
 The completed ap facts. I certify that property. Authorization is he site/soil evaluation 	lication, I certify that: plication and all additional information submitted d t I am the property owner or I possess the appropri ereby given to the permitting authority and designa n and inspection of private sewage facilities	iate land rig	hts necessary to enter upon	to make the	e permitte lescribed (d impro propert	vement y for the	s on said purpose of
 understand that a by the Comal Cou 	a permit of authorization to construct will not be issurty Flood Damage Prevention Order.	ued until th	e Floodplain	Administrato	r has perf	ormed	the revie	ws required

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

Page 1 of 2 Revised January 2021

Babbie Koepp

AFFIDAVIT

THE COUNTY OF COMAL STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate en-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives the commission primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The commission, under the authority of the TWC and the Texas Health and Safety code, requires owner's to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code

UNIT/PHACESECTION BLOCK93LO1	TAMARACK SHORES	SUBDIVISION
NOT IN SUBDIVISION:ACREAGE		SURVEY
The property is owned by (insert owner's full name):_	MICHAEL HUERTA & DOLORES	HUERTA
This OSSF must be covered by a continuous maintena- the initial two-year service policy, the owner of an aerol residence shall either obtain a maintenance contract wi personally.	ble treatment system for a single family	T
Upon sale or transfer of the above-described property, transferred to the buyer or new owner. A copy of the p obtained from the Comai County Engineer's Office.	the permit for the OSSF shall be laming materials for the OSSF can be	
WITNESS BY HAND(S) ON THIS 12 DAY OF	Jan any ,20 24	
X Alchal/hest Owner(s) signature(s)	Michael Huerta	
MICHAEL HITEDTA	wner (s) Printed name (s)	
SWORN TO AN	d subscribed before me on this	3_12_DAY OF
Odny Ke Skyllogocs)	Filed and Recorded	
Notary Public Signature	Official Public Reco	ords
	Bobbie Koepp, Cou	nty Clerk
EDNA MARTHA IRUEGAS	Comal County, Texa	as
Notary ID #5519076 My Commission Expires	01/29/2024 08:09:4	7 AM
March 18, 2025	MARY 1 Pages(s)	1
	202406002506	

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On-Site Sewage Facility (OSSF) Service Agreement

- I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between Michael Huerta & Dolores Huerta, (hereinafter referred to as "Client") and SOTX Septic Services (hereinafter to as "Contractor"). By this agreement, Contractor agrees to render services, as described herein, and the Client agrees to fulfill his/her/their responsibilities under this agreement as described herein.
- II. Effective Dates: This agreement commences on receipt of full payment and runs for two (2) years.

 Agreement's... Starting Date: (Date License to Operate is Issued) Ending Date: (2yrs. From Date of LTO)
- III. Services by Contractor: Contractor will provide the following services (hereinafter referred to as the "Services"):
 - In compliance with Agency (TCEQ and/or County) and manufacturer's requirements, inspect and perform routine maintenance on the On-Site Sewage Facility (hereinafter referred to as the "OSSF") three (3) times per year (approximately once every four (4) months).
 - Report to the appropriate regulatory authority and to the Client, as is required by both the State's onsite rules and the local Agency's rules, if more stringent. All findings must be reported to the local Agency within 14 days.
 - 3. If any components of the OSSF are found to need repair during the inspection, the Contractor will notify the Client of the repairs needed.
 - 4. Visit in response to Client's request(s) for unscheduled service(s) within two business days from the date of Contractor's receipt of Client's request. All unscheduled responses are in addition to the fee covered by this Agreement and will be billed to the Client.
 - Provide notification of arrival to site to the homeowner or to site personnel. Additionally, written notification of the visit will be left at the site or with site personnel upon completion or inspection, as well as, forwarded to agency within 14 days.
- IV. Site Location: The Services are to be performed at the property located at:

V. Payment(s): The fee for this Agreement only covers the Services describes herein. This fee does not cover equipment, parts or labor supplied for the repairs or charges for unscheduled Client-request trips to the site. Payments for such additional services are due when service is provided or rendered. Payments not received within 30 days from due date will be subjected to a \$20.00 late penalty and / or a 1.5% carrying charge, whichever is greater, in addition the reasonable attorney's fees and all costs of collection incurred by Contractor in collection of any unpaid debt(s). By signing this contract, the Client is authorizing the Contractor to remove any parts which were installed but not paid for at the end of 30 days. The Client is still responsible for any labor costs associated with the installation and remove of said parts.

Customer: MCH

Contractor: CDH

Client's Responsibilities: The Client is responsible for each and all the following:

- 1. Maintain chlorinator and provide proper chlorine supply, if OSSF is equipped with same.
- 2. Provide all necessary yard or lawn maintenance and removal of obstacles as needed to allow the OSSF to function properly, and to allow Contractor easy access to all parts of the OSSF.
- 3. Maintain a current license to operate and abide by the conditions and limitations of that license and all requirements for on-site sewage facilities (OSSF's) from the State and local regulatory agency, as well as manufacturer's recommendations.
- 4. Immediately notify the Contractor and Agency of all problems with, including the failure of the OSSF.
- 5. Upon receiving a written notification of services needed from the Contractor, it becomes the Client's responsibility to contact the Contractor to authorize the service. If the Client chooses to use a different contractor to perform the service, the Client's responsible for ensuring the contractor holds the proper license (installer II) and is certified by the manufacturer. Also, the Client is responsible for ensuring proper notification is given to the Agency, as required by the State and local Agency rules.
- 6. Provide the Contractor with water usage records, upon request, for evaluation by the Contractor of the OSSF performance.
- 7. Clients residing in Harris County should allow for samples at both the inlet and outlet to the OSSF to be obtained by the Contractor for the purpose of evaluating the OSSF's performance when requested by the Client. If these samples are sent to the lab for testing, the Client will directly pay the lab for the cost of the testing plus pay the Contractor for all man-hours expended in providing this additional service at the rate of \$75.00 per hour measured from office to site, site to lab, and lab to office, otherwise known as portal to portal.
- 8. Not allow the backwash from water treatment or water conditioning equipment to enter the OSSF.
- 9. Provide for pumping of tanks, when needed, at Clients expense.
- 10. Maintain site drainage to prevent adverse effects on OSSF.
- 11. Promptly and fully pay Contactor's bills, fees, or invoices as described herein.
- Vi. Access by Contractor: Contractor, or personnel authorized by the Contractor, may enter the property at reasonable times without prior notice for the purpose of performing the above-described Services. Contractor will require access to the OSSF electrical and physical components, including tanks, by means of manways or risers for the purpose of evaluations required by manufacturer, and/or rules. If such manways or risers are not in place, excavation together with other labor and materials will be required and will be billed to Client as additional service at the rate of \$75.00 per hour, plus materials billed at list price. Excavated soil is to be replaced as best as reasonably possible.
- VII. Application or Transfer of Payments: The fees paid for this agreement may transfer to subsequent owner(s); however, this agreement will not transfer. The subsequent owner(s) must sign a similar agreement authorizing Contractor to perform the above-described Services and accepting Client's responsibilities. This replacement Agreement must be signed and received within 30 days of transfer of ownership. Contractor will apply all funds received from Client first to any past due obligations arising from this Agreement including late charges, return check charges, and charges for repairs or services not paid within 30 days of invoicing. The consumption of the payment in this manner may lead to early termination of the agreement by Contractor.
- VIII. Termination of Agreement: This Agreement may be terminated by either party within 30 days written notice in the event of substantial failure to perform in accordance with its terms by the other party without fault of the terminating party. If this Agreement is so terminated, Contractor shall be paid at the rate of \$75.00 per hour for any work performed, but not yet paid. The party terminating will immediately notify the other party, the equipment manufacturer, and the regulatory agency of the termination.
- IX. Limits of Liability: In no event shall the Contractor be liable for indirect, consequential, incidental or punitive damages, whether in contact tort or any other theory. In no event the Contractor's liability for direct damages exceed the price for the Services described in this Agreement.
- X. Severability: If any provision in the Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If court finds that any provision of this

Initials... Customer: WCH Contractor: CDH

- Agreement is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be written, construed, and enforced as so limited.
- XI. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions (1) Contractor receiving a fully execute original copy of this agreement. (2) Contractor receiving payment in full for the fee as described in Section V. If the above conditions are not met, then Contractor is not obligated to perform any portion of this agreement.
- XII. Entire Agreement: This agreement contains the entire agreement parties, and there are no other promises or conditions in any other agreement, oral or written.

Client (And/or authorized agen	t)			
Printed Name: Michael Huerta	Signature: 7/	lichael Hi	uerta_Date:04/01	/2024
Printed Name:	Signature:		Date:	
Physical Address: 1986 Live Oak D)r Lot 93	CayonLake	Zip: 78133	
Mailing Address: 2704 S 3rd Stre	et , Aı	ustin	Zip:7704	
Phone #512-779-7080	Cell# 512-779-7080		County: Comal	-
Email:mhuerta512atx@gmail.com		Gate Code:	Open	
=======Contra	ctor==========	=Contractor===	.==========	=======
SOTX Septic Services	Clarence D. Hin	ds Jr <u>Clar</u>	ence D Hinds	e Or.
15656 Cranes Mill Rd.	Lie	#: OSSF Insta	ller II #: OS0030965	0
Canyon Lake, TX 78133	M	laintenance Pro	ovider#: MP0002439	
830-481-3249		DD 1 D D 1 D 1		
sotxservices@gmail.com	Installer Name	BRAD PARK	ER 	
	Phone #	830-310-234	4	
	Emai	l:parker.constr	ruction@yahoo.com	
	Lic #	OS#0	035249	
	Manu		EARSTREAM 600 NC	
		~	800 1000 Other:	
	ı	Disposal: Spr	ay (Drip) Other:	

Initials...

Customer: _____

Contractor: CDH

ON-SITE SEWERAGE FACILITY SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed:	January 17, 2024	
Site Location:	TAMARAC	CK SHORES, UNIT 2, LOT 93
Proposed Excavation Depth:	N/A	
Requirements:		
At least two soil excavat	ions must be performed on the si	te, 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 perform	ned 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	ar.

SOIL BORING NUMBER SURFACE EVALUATION						
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
6"	III	CLAY LOAM	N/A	NONE OBSERVED	LIMESTONE @ 6"	BROWN
2	-					
3	-					
4	-					
5	-					

SOIL BORING	NUMBER SUR	FACE EVALUAT	ION			
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
1	SAME		AS		ABOVE	
3						
4						
5						

I certify that the findings of this report are based on my field the best of my ability.	observations a	ınd are	accura	ite to
	01	117	12c	l
Greg W. Johnson, P.E. 67587-F2585, S.E. 11561	Date		 	

4/18/24, 8:18 AM Task Comments



CCEO COPY









RECEIVED By Brandon Olvera at 3:34 pm, Apr 30, 2024

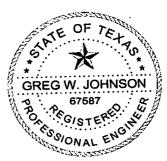
OSSF SOIL EVALUATION REPORT INFORMATION

Date:	Janu	ıary	18,	2024	_
Annl	icont	Inf.		ation	

Applicant throi mation.	Site Evaluator Inform	nation:
Name: MICHAEL & DOLORES HUERTA	Name: Greg W. Johnson	on, P.E., R.S, S.E. 11561
Address: 2704 SOUTH 3rd STREET	Address: 170 Hollow	Oak
City: State: TEXAS	City: New Braunfels	State: Texas
Zip Code: <u>78704</u> Phone: <u>(512) 779-7080</u>	Zip Code: <u>78132</u> P	Phone & Fax (830)905-2778
Property Location:	Installer Informa	ntion:
Lot 93 Unit 2 Blk Subd. TAMARACK SHORI	ES Name:	
Street Address: 1896 LIVE OAK DRIVE	Company:	and the second s
City: CANYON LAKE Zip Code: 78133	Address:	
Additional Info.:	City:	State:
	Zip Code:	
Topography: Slope within proposed disposal area:	3 %	
Presence of 100 yr. Flood Zone:	YESNO_X	
Existing or proposed water well in nearby area.	YES NO X	
Presence of adjacent ponds, streams, water impoundments	YESNO_X	
Presence of upper water shed	$YES _NOX$	
Organized sewage service available to lot	YES NO X	

NOTE: 3 PERSONAL RV SITES @ 114 GPD EACH

I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 29, 2016).



FIRM #2585

By Brandon Olvera at 3:59 pm, Apr 30, 2024

AEROBIC TREATMENT DRIP TUBING SYSTEM

DESIGNED FOR: MICHAEL & DOLORES HUERTA 2704 S. 3RD STREET AUSTIN, TX 78704-6208

SITE DESCRIPTION:

Located in Tamarack Shores, Section 2, Lot 93, at 1896 Live Oak Drive, the proposed system will serve three personal RV's situated in an area with shallow Type III soil as described in the Soil Evaluation Report. Native grasses and oak trees were found throughout this property. An aerobic treatment plant utilizing drip irrigation was chosen as the most appropriate system to serve the conditions on this lot.

PROPOSED SYSTEM:

A 3-inch SCH-40 pipe discharges from the RV's into a Clearstream 600 NC3T 600gpd aerobic plant containing a 400-gallon pretreatment tank, an aerobic treatment plant, and a 700-gallon pump chamber containing a submersible (Dominator 0.5 hp) well pump. The well pump is activated by a time controller allowing the distribution ten times per day with an 8 minute run time with float setting at 240 gallons. A high level audible and visual alarm will activate should the pump fail. Distribution is through a self flushing 100 micron disc filter (Arkal) then through a 1" SCH-40 manifold to a 2024 sf. drip tubing field, with Netifim **Bioline** drip lines set approximately two feet apart with 0.61 gph emitters set every two feet, as per the attached schematic. A pressure regulator PMR-MF 30psi installed in the pump tank on the manifold to the field will maintain pressure at 30 psi. A 1" SCH-40 return line is installed to periodically flush the system by cycling a 1" ball valve. Solids caught in the disc filter are continuously flushed each cycle back to the pump tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. Field area will be scarified and built up with 6" of Type II or Type III soil. A minimum of 12" soil required between drip tubing and rock and between drip tubing and aerobic tank. Drip tubing will be laid and capped with 6" of Type II or Type III soil (NOT SAND). The field area will be covered with Curlex erosion control blankets and heavily seeded or sodded with grass prior to system startup. Risers are required on tank inspection ports as per 30 TAC 285.38 (9/1/2023). This includes access limitation (<65lbs lid or hardware secured lid), inspection and cleanout ports shall have risers over the port openings which extend to a minimum of two inches above grade. A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap to prevent tank entry if the cap is unknowingly damaged or removed.

By Brandon Olvera at 3:59 pm, Apr 30, 2024

DESIGN SPECIFICATIONS:

Daily waste flow: 342 GPD DESIGN RATE (3 personal RV'S @ 114 GPD)

pretreatment tank size: 400 Gal

Plant Size: Clearstream 600 NC3T 600gpd (TCEQ Approved)

Pump tank size: 700 Gal

Reserve capacity after High Level: 80 Gal (1/3 day Req'd)

Application Rate: Ra = 0.2 gal/sf

Total absorption area: Q/Ra = 342 GPD/0.20 = 1710 sf. (Actual 2024 sf.) Total linear feet drip tubing: 1014' *Netifim Bioline* drip tubing .61 GPH Pump requirement: 507 emitters @ .61 gph @ 30 psi = 5.1545gpm Pump Requirement (cont.) 0.5 hp Dominator submersible well pump

MINIMUM SCOUR VELOCITY (MSV) > 2 FPS

IN DRIP TUBING W/ NOM. DIA. 0.55" ID

 $MSV = 2 FPS (\Pi d \uparrow 2)/4*7.48 gal/cf*60 sec/min$

 $MSV = 2(3.14159((.55/12)\uparrow 2)/4)*7.48*60$

MSV = 1.5 gpm PER LINE * 3 LINES = 4.5 GPM MIN FLOW RATE

IN RETURN MANIFOLD W/ NOM. DIA 1.049" ID

 $MSV = 2 \text{ FPS } (\Pi d \uparrow 2)/4*7.48 \text{ gal/cf*}60 \text{ sec/min}$

 $MSV = 2(3.14159((1.049/12) \uparrow 2)/4)*7.48*60$

MSV = 5.4 GPM

PIPE AND FITTINGS:

All pipes and fittings in this drip tubing system shall be 1" schedule 40 PVC. All joints shall be sealed with approved solvent-type PVC cement. Clipper type cutters are recommended to prevent PVC burrs during cutting of pipes causing possible plugging.

Designed in accordance with Chapter 285, Subchapter D, §285.30 and §285.40 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

GREG W. JOHNSON

67587

67587

67587

67587

67587

By Brandon Olvera at 3:59 pm, Apr 30, 2024

Greg W. Johnson, P.E.

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

April 24, 2024

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

RE: Septic Design #117346

1896 Live Oak Drive

Tamarack Shores, Section 2, Lot 93

Canyon Lake, TX 78133

Huerta Residence

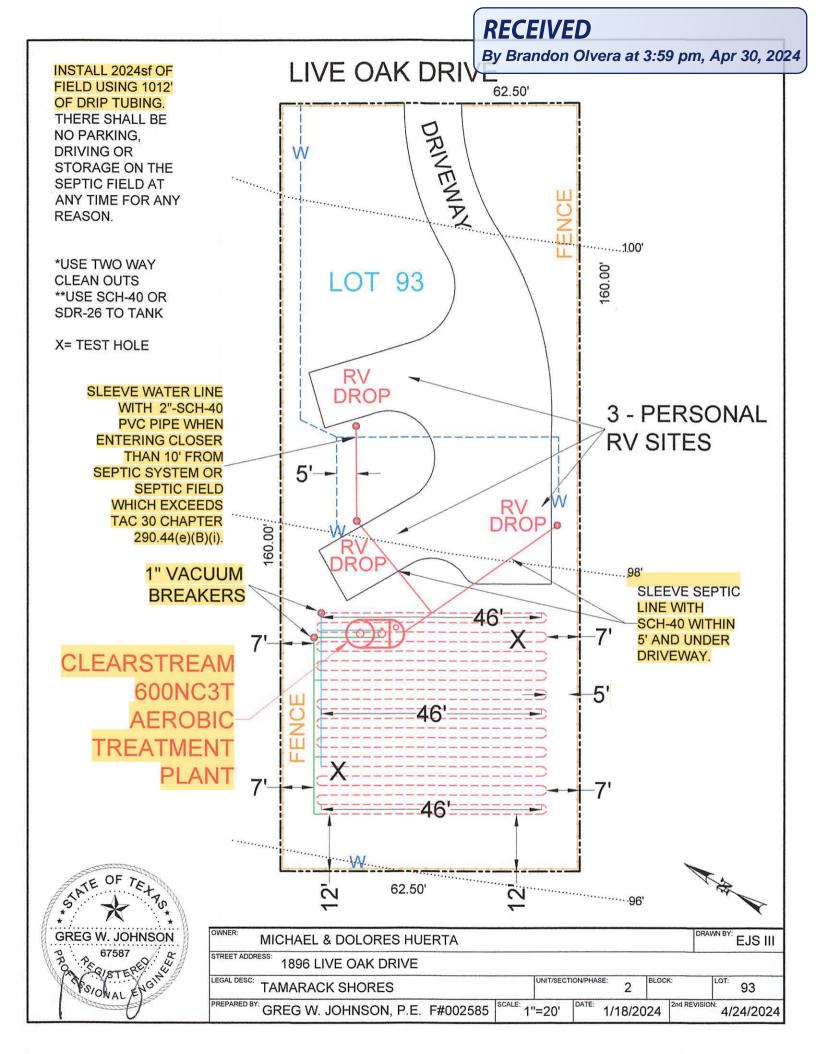
Brandon,

A portion of the waterline is as close as five feet from the proposed drip field. A variance is required to Chapter 285 Table X & 290.44(e)(8). Equivalent protection will be maintained by sleeving the water service line with SCH-40 PVC within ten feet of the proposed drip field. I hereby request a variance to Chapter 285 Table X & 290.44(e)(8).

If I can be of further assistance please contact me.

Respectfully yours,

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



By Brandon Olvera at 3:59 pm, Apr 30, 2024

TANK NOTES:

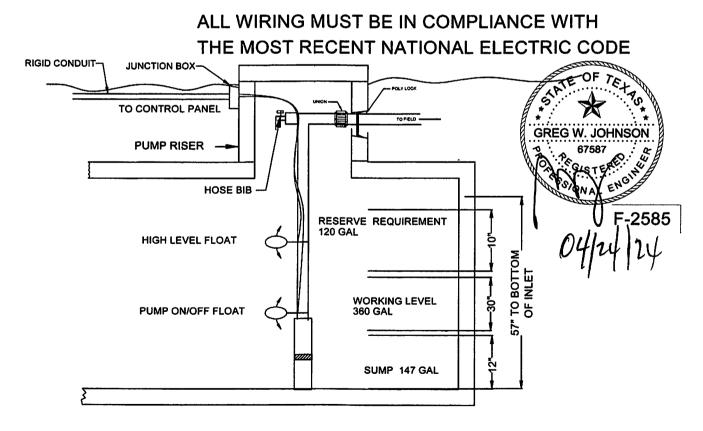
Tanks must be set to allow a minimum of 1/8" per foot fall from the residence.

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 U W/ 700 GAL PUMP TANK

Arkal 1" Super Filter

Catalog No. 1102 0___

Features

- A "T" shaped filter with two 1" male threads.
- · A "T" volume filter for in-line installation on 1" pipelines.
- The filter prevents clogging due to its enlarged filtering area that collects sediments and particles.
- · Manufactured entirely from fiber reinforced plastic.
- · A cylindrical column of grooved discs constitutes the filter element.
- · Spring keeps the discs compressed.
- Screw-on filter cover.
- Filter discs are available in various filtration grades.



Technical Data

	1" BSPT (male)	1" NPT (male)
Inlet/outlet diameter	25.0 mm - nominal diameter	a. Sheet to Without the
2003213 40004290004230093300030000400003099314005	33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m³/h (1.7 l/sec)	35 gpm
General filtration area	500 cm ²	77.5 in ²
Filtration volume	600 cm ³	37 in ³
Filter length L	340 mm	13 13/32"
Filter width W	130 mm	5 3/32"
Distance between end connections A	158 mm	6 7/32"
Weight	1.420 kg	3.13 lbs.
Maximum temperature	70° C	158 °F
На	5-11	5-11



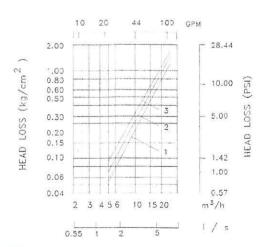


Filtration Grades

Blue (400 micron / 40 mesh)
Yellow (200 micron / 80 mesh)
Red (130 micron / 120 mesh)
Black (100 micron /140 mesh)

Green (55 micron)

Head Loss Chart





PMR-MF

PRESSURE-MASTER REGULATOR - MEDIUM FLOW

Specifications

The pressure regulator shall be capable of operating at a constant, factory preset, non-adjustable outlet pressure of 6, 10, 12, 15, 20, 25, 30, 35, 40, 50, or 60 PSI (0.41, 0.69, 0.83, 1.03, 1.38, 1.72, 2.07, 2.41, 2.76, 3.45, or 4.14 bar) with a flow range between:

- 4 16 GPM (909 3634 L/hr) for 6 10 PSI models or
- 2 20 GPM (454 4542 L/hr) for 12 60 PSI models.

The pressure regulator shall maintain the nominal pressure at a minimum of 5 PSI (0.34 bar) above model inlet pressure and a maximum of 80 PSI (5.52 bar) above nominal model pressure*. Refer to the PRU performance curve to establish specific outlet pressures based on relative inlet pressure and flow rate. Always install downstream from all shut off valves. Recommended for outdoor use only. Not NSF certified.

All pressure regulator models shall be equipped with one of these inlet-x-outlet configurations:

Inlet 3/4-inch Female National Pipe Thread (FNPT)

1-inch Female National Pipe Thread (FNPT)

1-inch Female British Standard Pipe Thread (FBSPT) 1-inch Female British Standard Pipe Thread (FBSPT)

Outlet

3/4-inch Female National Pipe Thread (FNPT) 1-inch Female National Pipe Thread (FNPT)

The upper housing, lower housing, and internal molded parts shall be of engineering-grade thermoplastics with internal elastomeric seals and a reinforced elastomeric diaphragm. Regulation shall be accomplished by a fixed stainless steel compression spring, which shall be enclosed in a chamber isolated from the normal water passage.

Outlet pressure and flow shall be clearly marked on each regulator.

The pressure regulator shall carry a two-year manufacturer's warranty on materials, workmanship, and performance. Each pressure regulator shall be water tested for accuracy before departing the manufacturing facility.

The pressure regulator shall be manufactured by Senninger Irrigation in Clermont, Florida. Senninger is a Hunter Industries Company.

Physical

3/4" FNPT x 3/4" FNPT model (shown on right)

Overall Length

5.2 inches (13.1 cm)

Overall Width

2.5 inches (6.4 cm)

1" FNPT x 1" FNPT model

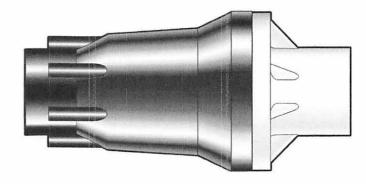
1" FBSPT x 1" FBSPT model

Overall Length

5.8 inches (14.6 cm)

Overall Width

2.5 inches (6.4 cm)



^{*} Please consult factory for applications outside of recommended guidelines.



PMR-MF

PRESSURE-MASTER REGULATOR - MEDIUM FLOW

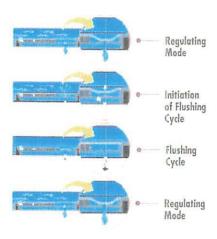
Model Numbers

Model #	Flow Range	Preset Operating Pressure	Maximum Inlet Pressure
PMR-6 MF	4 - 16 GPM	6 PSI	80 psi
	(909 - 3634 L/hr)	(0.41 bar)	(5.51 bar)
PMR-10 MF	4 - 16 GPM	10 PSI	90 psi
	(909 - 3634 L/hr)	(0.69 bar)	(6.20 bar)
PMR-12 MF	2 - 20 GPM	12 PSI	90 psi
	(454 - 4542 L/hr)	(0.83 bar)	(6.20 bar)
PMR-15 MF	2 - 20 GPM	15 PSI	95 psi
	(454 - 4542 L/hr)	(1.03 bar)	(6.55 bar)
PMR-20 MF	2 - 20 GPM	20 PSI	100 psi
	(454 - 4542 L/hr)	(1.38 bar)	(6.89 bar)
PMR-25 MF	2 - 20 GPM	25 PSI	105 psi
	(454 - 4542 L/hr)	(1.72 bar)	(7.24 bar)
PMR-30 MF	2 - 20 GPM	30 PSI	110 psi
	(454 - 4542 L/hr)	(2.07 bar)	(7.58 bar)
PMR-35 MF	2 - 20 GPM	35 PSI	115 psi
	(454 - 4542 L/hr)	(2.41 bar)	(7.93 bar)
PMR-40 MF	2 - 20 GPM	40 PSI	120 psi
	(454 - 4542 L/hr)	(2.76 bar)	(8.27 bar)
PMR-50 MF	2 - 20 GPM	50 PSI	130 psi
	(454 - 4542 L/hr)	(3.45 bar)	(8.96 bar)
PMR-60 MF	2 - 20 GPM	60 PSI	140 psi
j	(454 - 4542 L/hr)	(4.14 bar)	(9.65 bar)



Bioline® Dripperline

Pressure Compensating Dripperline for Wastewater



BioLine's Self-Cleaning, Pressure Compensating Dripper is a fully selfcontained unit molded to the interior wall of the dripper tubing.

As shown at left, BioLine is continuously self-cleaning during operation, not just at the beginning and end of a cycle. The result is dependable, clog free operation, year after year.



Product Advantages

The Proven Performer

- · Tens of millions of feet used in wastewater today.
- Bioline is permitted in every state allowing drip disposal.
- Backed by the largest, most quality-driven manufacturer of drip products in the U.S.
- Preferred choice of major wastewater designers and regulators.
- Proven track record of success for many years of hard use in wastewater applications.

Quality Manufacturing with Specifications Designed to Meet Your Needs

- Pressure compensating drippers assure the highest application uniformity even on sloped or rolling terrain.
- · Excellent uniformity with runs of 400 feet or more reducing installation costs.
- Highest quality-control standards in the industry: Cv of 0.25 (coefficient of manufacturer's variation).
- A selection of flows and spacings to satisfy the designer's demand for almost any application rate.

Long-Term Reliability

- Protection against plugging:
 - Dripper inlet raised 0.27" above wall of tubing to prevent sediment from entering dripper.
 - Drippers impregnated with Vinyzene to prevent buildup of microbial slirne.
 - Unique self-flushing mechanism passes small particles before they can build up.

Crass Section of Bioline Dripperline



Root Safe

- A physical barrier on each BioLine dripper helps prevent root intrusion.
- Protection never wears out never depletes releases nothing to the environment.
- Working reliably for up to 15 years in subsurface wastewater installations.
- Additional security of chemical root inhibition with Techfilter supplies
 Triffuralin to the entire system, effectively inhibiting root growth to the dripper outlets.



Applications

- · For domestic strength wastewater disposal.
- Installed following a treatment process.
- Can be successfully used on straight septic effluent with proper design, filtration and operation.
- Suitable for reuse applications using municipally treated effluent designated for irrigation water.

Specifications

Wall thickness (mil): 45*

Nominal flow rates (GPH): .4, .6, .9*

Common spacings: 12", 18", 24"*

Recommended filtration: 120 mesh

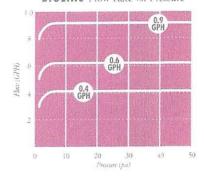
Inside diameter: .570*

Color: Purple tubing indicates non-potable

source

*Additional flows, spacings, and pipe sizes available by request. Please contact Netafim USA Customer Service for details.

BIOLINE Flow Rate vs. Pressure





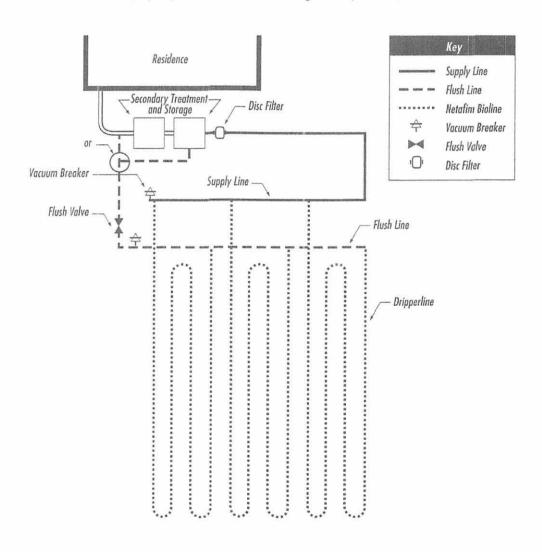
NETAFIM USA 5470 E. Home Ave. • Fresno, CA 93727 888.638.2346 • 559.453.6800 FAX 800.695.4753 www.netafimusa.com

SAMPLE DESIGNS

SINGLE TRENCH LAYOUT

Rectangular field with supply and flush manifold on same side and in same trench;

- · Locate supply and flush manifold in same trench
- · Dripperlines are looped at the end opposite the supply and flush manifolds
- The longest Bioline length should not exceed 400 ft. Drip fields 200 ft. in length might loop the Bioline once; drip dispersal fields under 100 ft. might be looped twice, as illustrated





ON-SITE SEWAGE FACILITY APPLICATION

195 DAVID JONAS DR NEW BRAUNFELS, TX 78132 (830) 608-2090

WWW.CCEO.ORG

. APPLICANT / AC	ate January 16, 2024 Permit Number			
	GENT INFORMATION			
Owner Name	MICHAEL & DOLORES HUERTA	Agent Name	GREG JOHNSON, P.E.	
Mailing Address		Agent Address	170 HOLLOW OAK	
City, State, Zip	AUSTIN, TEXAS 78704	City, State, Zip		
Phone #	512-779-7080	Phone #	830-905-2778	
 Email	mhuerta512atx@gmail.com	- —— Email	gregjohnsonpe@yahoo.com	
LOCATION				
	TAMARACK SHORES	Unit	2 Lot 93 brick	
Survey Name / Abs			Acreage	
	1896 LIVE OAK DRIVE		AKE State TX Zip 8133	
. T PE OF DEVE				
Single Family				
Type of Cons		2 PEF AL R		
Number of B				
Indicate Sq f	Ft d ng /			
Non-Single F				
(Planning mate		ne recland (for treatment (its and disposal area	
Type of Facil				
	tories, Churches, Schools, Parks, Etc Inc	licate Number Of Occupa	ints	
	, Lounges, Theaters - Indicate Number of S			
	, Hospital, Nursing Home - Indicate Numbe			
Trave				
	16			
Miscellaneou	us			
Miscellaneou		(Structure Only)		
Miscellaneou	of Construction: \$50,000	_ (Structure Only)	gingers (LISACE) flowage easement?	
Miscellaneou Estimated Cost of	of Construction: \$ 50,000 If the proposed OSSF located in the United	States Army Corps of En		
Estimated Cost of Is any portion of	of Construction: \$ 50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE	States Army Corps of En		
Estimated Cost of Is any portion of Yes X No	of Construction: \$50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE Public Private Well Rainwal	States Army Corps of En		
Miscellaneou Estimated Cost of Is any portion of Yes Notes Note	of Construction: \$ 50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE Public Private Well Rainwall FOWNER	States Army Corps of En		
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Estimated Cost of Is any portion of Yes Notes Notes Source of Water Signing this application The completed applicates. I certify that I property. Authorization is here	of Construction: \$ 50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE Public Private Well Rainwal FOWNER cation, I certify that: lication and all additional information submitted I am the property owner or I possess the appropriate by given to the permitting authority and design	States Army Corps of Enfor proposed OSSF improvementer Collection does not contain any false in the land rights necessary	nents within the USACE flowage easement) information and does not conceal any material to make the permitted improvements on said	
Estimated Cost of Is any portion of Yes Notes Notes Is Source of Water S. SIGNATURE Of The completed applicates. I certify that I property. Authorization is here site/soil evaluation is I understand that a	of Construction: \$ 50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE Public Private Well Rainwal FOWNER cation, I certify that: lication and all additional information submitted I am the property owner or I possess the appropriate given to the permitting authority and design and inspection of private sewage facilities permit of authorization to construct will not be in	States Army Corps of Enfor proposed OSSF improvementer Collection does not contain any false in the land rights necessary nated agents to enter upon the states.	nents within the USACE flowage easement) information and does not conceal any material to make the permitted improvements on said the above described property for the purpose of	
Estimated Cost of Is any portion of Yes Notes Notes Is Source of Water S. SIGNATURE Of The completed applicates. I certify that I property. Authorization is here site/soil evaluation is tunderstand that a by the Comal Coun	of Construction: \$ 50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE Public Private Well Rainwal FOWNER cation, I certify that: lication and all additional information submitted I am the property owner or I possess the appropriate given to the permitting authority and design and inspection of private sewage facilities permit of authorization to construct will not be integrated to the permitting of private sewage facilities	States Army Corps of Enfor proposed OSSF improvement Collection does not contain any false in the land rights necessary nated agents to enter upon the saued until the Floodplain A	teents within the USACE flowage easement) information and does not conceal any material to make the permitted improvements on said the above described property for the purpose of dministrator has performed the reviews required	
Estimated Cost of Is any portion of Yes Notes Notes Is Source of Water S. SIGNATURE Of The completed applicates. I certify that I property. Authorization is here site/soil evaluation is tunderstand that a by the Comal Coun	of Construction: \$ 50,000 If the proposed OSSF located in the United to (If yes, owner must provide approval from USACE Public Private Well Rainwal FOWNER cation, I certify that: lication and all additional information submitted I am the property owner or I possess the appropriate given to the permitting authority and design and inspection of private sewage facilities permit of authorization to construct will not be in	States Army Corps of Enfor proposed OSSF improvement Collection does not contain any false in the land rights necessary nated agents to enter upon the saued until the Floodplain A	information and does not conceal any material to make the permitted improvements on said the above described property for the purpose of dministrator has performed the reviews required this permit application, as applicable.	

OSSF SOIL EVALUATION REPORT INFORMATION

Date: <u>January 18, 2024</u>
Applicant Information:

Name:	MICHAEL & DOLORES HUERTA					
Address:	2704 SOUTH 3rd STREET					
City:	AUSTIN	State	TEXAS			
Zip Code:	78704	Phone:(512) 779-7080			

Site Evaluator Information:

Name: Greg W. Johnson, P.	.E., R.S, S.E. 11561
Address: 170 Hollow Oak	
City: New Braunfels	State: Texas
	& Fay (830)005-2778

coperty Location: Lot 93 Unit 2 Blk Subd. TAMARACK SHORES Street Address: 1896 LIVE OAK DRIVE	Installer Information: _ Name: _ Company:	
Admitional Info.:	City:Pho	State:
sence of 100 yr. Flood Zone: isting or proposed er well in researce of adjacent is, stream er impersence of upper version hed ganized sewage services available lot NOTE:	YES NO X YES X YES X X S X RS(4 CACH

I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 29, 2016).

GREG W. JOHNSON, P.E. 67587 - S.E. 11561

OI 18 M



FIRM #2585

AEROBIC TREATMENT DRIP TUBING SYSTEM

DESIGNED FOR:
MICHAEL & DOLORES HUERTA
2704 S. 3RD STREET
AUSTIN, TX 78704-6208

SITE DESCRIPTION:

Located in Tamarack Shores, Section 2, Lot 93, at 1896 Live Oak Drive, the proposed system will serve two personal RV's situated in an area with shallow Type III soil as described in the Soil Evaluation Report. Native grasses and oak trees were found throughout this property. An aerobic treatment plant utilizing drip irrigation was chosen as the most appropriate system to serve the conditions on this lot.

PROPOSED SYSTEM:

A 3-inch SCH-40 pipe discharges from the RV's into a Clearstream 600 NC3T 600gpd aerobic plant containing a 400-gallon etreatment tank an aerobic treatment plant, and a 700-gall inat activat tribu a ti atrolle ten tin idible an al alarm an 8 mini ing at 240 gh le n tim ns. ron disc s th shing 10 Netifim filter (Ark o a 61 g approx schemati old to the fie 40 return line n pres is installed to periodically flush the system by cycling a 1" ball valve. Solids caught in the disc filter are continuously flushed each cycle back to the pump tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher

tubing and aerobic tank. Drip tubing will be laid and capped with 6" of Type II or Type III soil (NOT SAND). The field area will be covered with Curlex erosion control blankets and heavily seeded or sodded with grass prior to system startup. Risers are required on tank inspection ports as per 30 TAC 285.38 (9/1/2023). This includes access limitation (<65lbs lid or hardware secured lid), inspection and cleanout ports shall have risers over the port openings which extend to a minimum of two inches above grade. A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap to prevent tank entry if the cap is unknowingly damaged or removed.

DESIGN SPECIFICATIONS:

Daily waste flow: 240 GPD DESIGN RATE (2 personal RV'S @ 114 GPD)

pretreatment tank size: 400 Gal

Plant Size: Clearstream 600 NC3T 600gpd (TCEQ Approved)

Pump tank size: 700 Gal

Reserve capacity after High Level: 80 Gal (1/3 day Req'd)

Application Rate: Ra = 0.2 gal/sf

Total absorption area: Q/Ra = 240 GPD/0.20 = 1200 sf. (Actual 2000 sf.) Total linear feet drip tubing: 1000' *Netifim Bioline* drip tubing .61 GPH Pump requirement: 500 emitters @ .61 gph @ 30 psi = 5.0833gpm Pump Requirement (cont.) 0.5 hp Dominator submersible well pump

MINIMUM SCOUR VELOCITY (MSV) > 2 FPS

DRIP TUBING W/ NOM. DIA. 0.55" ID

 $MSV = 2 \text{ FPS } (\Pi d \uparrow 2)/4*7.48 \text{ gal/cf*60 sec/min}$

 $MSV = 2(3.14159((.55/12)^{2})/4)*7.48*60$

MSV = 1.5 gpm PER LINE * 3 LINES = 4.5 GPM MIN FLOW RATE

IN RETURNANIFOL NOVA IID

MSV FPS (Γ /4*7 α /cf*6 min

MSV (3.14) (.04) (2)/4)*7.4

MSV 4 GV

PIPE AND I

All pipes and this drip a syste all be hedu PVC ants shall be sealed with wed solvent-in tent. Court typ commended to prevent PVC burrs during cutting of pipes causing possible plugging.

Designed in accordance with Chapter 285, Subchapter D, §285.30 and §285.40 Texas Commission On Environmental Quality. (Effective December 29,2016)

Greg W. Johnson P.E. N

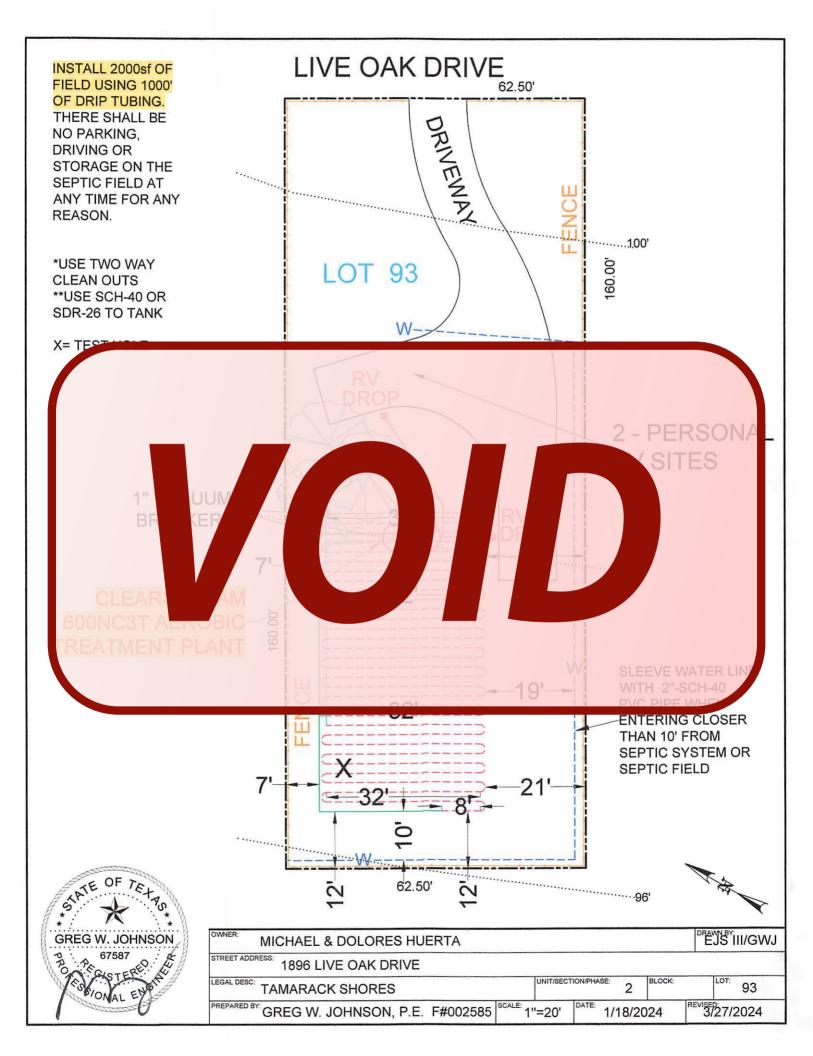
No. 67587 / F-2585

170 Hollow Oak

New Braunfels, Texas 78132

830/905-2778





, by

QUITCLAIM DEED

THIS QUITCLAIM DEED, Executed this Saturday day of Benny B Saldana and wife, Hattie H. Saldana whose post office address is 2510 Little John Austin, Texas 78704 to second party Huerta, Michael Dolores whose post office address is 2704 South 3rd Street Austin, Texas 78704 WITNESSETH, That the said first party, for good consideration and the sum of \$ 10.00 paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quitclaim unto the said second party forever, all the right, title, interest and claim which the said first party has in and to the following described parcel of land, and improvements and appurtenances thereto in the County of Comal County

, to wit:

Lot 93 Tamaracck Shores 2 New Braunfels, Tx

, State of

IN WITNESS WHEREOF, The said first party has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in presence of:

Texas

STATE OF Travis COUNTY OF Texas

, personally known to me (or proved to me on the Michael & Dolores Huerta basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledge to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature

Affiant Known

ID Produced

Doc# 9906012950 Records County,

MICHELE KING COMMISSION EXPIRES MAY 1, 2002

