staller Name:		
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)(B) 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)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

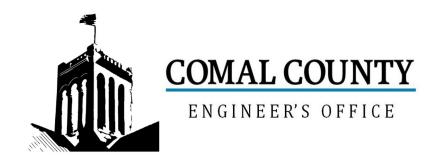
**Inspector Notes:** 

N-	December 41	A mar	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)				

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
	DISPOSAL SYSTEM Drip Irrigation	Allowei	Citations	Notes	13t 1113p.	Ziiu iiisp.	Sid ilisp.
	DIST COAL STOTENT DITP ITTIGATION		20E 22(a)(2)(A) (E)				
			285.33(c)(3)(A)-(F)				
19	DISPOSAL SYSTEM Soil						
20	Substitution		285.33(d)(4)				
20	DISPOSAL SYSTEM Pumped						
	Effluent		285.33(a)(4) 285.33(a)(3)				
			285.33(a)(1)				
21			285.33(a)(2)				
	DISPOSAL SYSTEM Gravelless Pipe						
	·		285.33(a)(3)				
			285.33(a)(2)				
			285.33(a)(4)				
22			285.33(a)(1)				
22	DISPOSAL SYSTEM Mound		205 22/ 1/51				
			285.33(a)(3) 285.33(a)(1)				
			285.33(a)(1) 285.33(a)(2)				
23			285.33(a)(4)				
23	DISPOSAL SYSTEM Other						
	(describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)				
24			263.33(C)(4)				
	DRAINFIELD Absorptive Drainline 3" PVC						
	or 4" PVC						
25							
	DRAINFIELD Area Installed						
26	DRAINFIELD Level to within 1 inch						
	per 25 feet and within 3 inches						
	over entire excavation		285.33(b)(1)(A)(v)				
27							
	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth						
	DRAINFIELD Excavation Separation						
	DRAINFIELD Depth of Porous Media						
	DRAINFIELD Type of Porous Media						
28	DDAINEIEID E						
	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
29			(-/\-/\-/				
	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End						
	Plates w/Splash Plate, Inspection						
	Port & Closed End Plates in Place		285.33(c)(2)				
	(per manufacturers spec.)						
30							
	LOW PRESSURE DISPOSAL						
	SYSTEM Adequate Trench Length						
	& Width, and Adequate Separation Distance between		285.33(d)(1)(C)(i)				
	Trenches						
31							

	B d . ut	•	<b>6</b> 11 - 11		4.11		2.11
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
	EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field ( 1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes ( 3/16 - 1/4" dia. Hole Size ) 5 ft. Apart		285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3) (B)285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F)				
	AEROBIC TREATMENT UNIT IS Aerobic Unit Installed According to Approved Guidelines.		285.32(c)(1)				
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						
35	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: 117907

Issued This Date: 10/03/2024

This permit is hereby given to: RONALD W. & JUSTINA ARMES

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

722 MAXIMINO RIDGE RD

BULVERDE, TX 78163

Subdivision: BELLE OAKS RANCH

Unit: 3 Lot: 88

Block: 4

Acreage: 1.0100

#### 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.





#### **ON-SITE SEWAGE FACILITY APPLICATION**

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

				<u>vvv</u>	WV.CCEO.ORG
Date 9/. 2	8/2024		Permit Numbe	er117	7907
1. APPLICANT / A	AGENT INFORMATION				
Owner Name	RONALD WILLIAMS ARMES & JUSTINA ARMES	Agent Name	GREG W	. JOHNSON,	P.E.
Mailing Address_	c/o 23011 FM 306	Agent Address	170 F	iollow Oak	
City, State, Zip _	Canyon Lake, TX 78133	City, State, Zip	New Bra	unfels, TX 7	8132
Phone #	830-935-4936	Phone #	830	-905-2778	
Email _	traci@psseptics.com	Email	gregjohnso	npe@yahoo	o.com
2. LOCATION					
Subdivision Name	BELLE OAKS RANCH (PHASE III)	Unit	L	ot88	Block 4
Survey Name / Ab	ostract Number			Acreage	
Address 722 MA	XIMINO RIDGE ROAD	CityBULVERDE	s	tate <u>TX</u>	Zip _78163
3. TYPE OF DEVE	ELOPMENT				
X Single Famil	ly Residential				
Type of Cor	nstruction (House, Mobile, RV, Etc.) HO	USE			
Number of E	Bedrooms $5$				
Indicate Sq	Ft of Living Area 3503				
Non-Single F	Family Residential				
(Planning ma	terials must show adequate land area for doubling	the required land needed	for treatment u	units and dis	oosal area)
Type of Fac	ility				
Offices, Fac	ctories, Churches, Schools, Parks, Etc Indic	 cate Number Of Occupa	ants		
	s, Lounges, Theaters - Indicate Number of Se				
	I, Hospital, Nursing Home - Indicate Number				
	er/RV Parks - Indicate Number of Spaces				
Miscellaneo			_		
Estimated Cost	of Construction: \$ 100,000	(Structure Only)			
	f the proposed OSSF located in the United St	,	gineers (USA)	CE) flowag	e easement?
	lo (If yes, owner must provide approval from USACE	•	• ,	, -	
Source of Water					,
4. SIGNATURE O					
By signing this applie - The completed appliacts. I certify that					
site/soil evaluation - I understand that a by the Comal Cour	reby given to the permitting authority and designate and inspection of private sewage facilities permit of authorization to construct will not be issuitly Flood Damage Prevention Order.	ued until the Floodplain Ad	dministrator has	s performed	the reviews require

Justin Oames



#### **ON-SITE SEWAGE FACILITY APPLICATION**

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

Planning Materials & Site Evaluation as Required Completed By_	GREG W. JOHNSON, P.E.				
System Description PROPRIETARY; AEROB	IC TREATMENT AND DRIP TUBING				
Size of Septic System Required Based on Planning Materials & So	il Evaluation				
Tank Size(s) (Gallons) MAXX AIR M800	Absorption/Application Area (Sq Ft)3000				
Gallons Per Day (As Per TCEQ Table 111) 360	_				
(Sites generating more than 5000 gallons per day are required to obtain a	permit through TCEQ.)				
Is the property located over the Edwards Recharge Zone? Ye (if yes, the planning materials must be completed by a Registered Sanitar	<del></del>				
Is there an existing TCEQ approved WPAP for the property?	∕es ⊠ No				
(if yes, the R.S. or P.E. shall certify that the OSSF design complies with a	Il provisions of the existing WPAP.)				
Is there at least one acre per single family dwelling as per 285.40(	c)(1)? X Yes No				
If there is no existing WPAP, does the proposed development active	vity require a TCEQ approved WPAP? 🔲 Yes 🔀 No				
(if yes, the R.S or P.E. shall certify that the OSSF design will comply with be issued for the proposed OSSF until the proposed WPAP has been app					
Is the property located over the Edwards Contributing Zone?	/es No				
Is there an existing TCEQ approval CZP for the property? X	s No				
(if yes, the P.E. or R.S. shall certify that the OSSF design complies with a	Il provisions of the existing CZP.)				
If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? Yes No (if yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the UP has been approved by the appropriate reg					
Is this property within an incorporated city? Xes No	STATE OF TEXT				
If yes, indicate the city: BULVERDE	GREG W. JOHNSON  67587  67587  FIRM #2585				
By signing this application, I certify that:	1980. (1184)				
- The information provided above is true and correct to the best of my knowledge.					
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.					
	May 14, 2024				
Signature of Designer	Date				

#### **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 Comal County, Texas.

T

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

II

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):

III UNITOPHASE SECTION 4 BLOCK 88	LOT_	BELLE OAKS RANCH	SUBDIVISION
IF NOT IN SUBDIVISION: ACREAGE	<u>.                                    </u>		SURVEY
The property is owned by (insert owner's full	name):	ONALD WILLIAMS ARMES & JU	STINA ARMES
This OSSF must be covered by a continuous of the initial two-year service policy, the owner of residence shall either obtain a maintenance con personally.	f an aerobi	treatment system for a single	family
Upon sale or transfer of the above-described transferred to the buyer or new owner. A copy obtained from the Comal County Engineer's O	y of the pla effice.	nning materials for the OSSF	: can be
with ss by hand(s) on this 3 day	Y OF SEPT	<u>,2024</u>	
Gonald he armer		RONALD WILLIAMS ARMES	
Quatina Comes		JUSTINA ARMES	
Rongled W. + JUSTINA APMÉS SWORD		er (s) Brinted name (s) SUBSCRIBED BEFORE ME O	ON THIS 2 DAY OF
	1	AREA FOR COMAL COUNTY CLERK REC	
7736	ļ	Filed and Record	led
Notario indic Signature		Official Public R	ecords
AOMENI MILLER STRUCKS		Bobbie Koepp, C	County Clerk
Track Field		Comal County, T	•
My Commission Expires		09/09/2024 08:1	
Notary ID 133734672		TERRI 1 Page	s(s)
(Notary Seal Here)		202406027102	-(-)
	I	( Battie	Koepp

#### WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

Regulatory Authority	Permit/License Number
RONALD WILLIAMS ARMES & JUSTINA ARMES (I LLC, By this agreement, Block Creek Aerobi	(hereinafter referred to as "Agreement") is entered into by and between hereinafter referred to as "Customer") and Block Creek Aerobic Services, ic Services, LLC and its employees (hereinafter inclusively referred to as address stated above, as described herein, and the Customer agrees to fulfill
for a total of two (2) years (initial agreement) or Customer shall notify the Contractor within t commencement. If no notification is received by county authority mandates, the date of commence	and ends on 2 YEARS FROM LTO one (1) year (thereafter). If this is an initial agreement (new installation), the wo (2) business days of the system's first use to establish the date of y Contractor within ninety (90) days after completion of installation or where ment will be the date the "License to operate" (Notice of Approval) was issued y or may not commence at the same time as any warranty period of installed fied warranty.
party to perform in accordance with the terms terminating party must provide written notice to Agreement. If this Agreement is terminated, Confor which compensation has not been received, prepayment for services will be refunded to custerminating this Agreement for any reason, inclu	either party for any reason, including for example, substantial failure of either of this Agreement, without fault or liability of the terminating party. The of the non-terminating party thirty (30) days prior to the termination of this stractor will be paid at the rate of \$75.00 per hour for any work performed and After the deduction of all outstanding charges, any remaining monies from tomer within thirty (30) days of termination of this Agreement. Either party ding non-renewal, shall notify in writing the equipment manufacturer and the y (30) days prior to the date of such termination. Nonpayment of any kind shall not contract.
recommended by the treatment system visits to site per year. The list of iter Aeration including compressor and diff and anything else required as per the mab. Provide a written record of control panel.  c. Repair or replace, if Contra failing or inoperative during the course the service(s) cost less than \$100.00, Customer for said service(s). When ser supplies at the site, Contractor will not must notify Contractor of arrangements d. Provide sample collection only).  e. Forward copies of this Agraf. Visit site in response to Cudate of notification (weekends and holic such unscheduled responses will be billed.	visits to the site by means of an inspection tag attached to or contained in the ctor has the necessary materials at site, any component of the OSSF found to be of a routine monitoring visit. If such services are not covered by warranty, and Customer hereby authorizes Contractor to perform the service(s) and bill vice costs are greater than \$100.00, or if contractor does not have the necessary tify Customer of the required service(s) and the associated cost(s). Customer to affect repair of system with in two (2) business days after said notification, and laboratory testing of TSS and BOD on a yearly basis (commercial systems ement and all reports to the regulatory agency and the Customer, astomer's request for unscheduled services within forty-eight (48) hours of the lays excluded) of said request. Unless otherwise covered by warranty, costs for
V. Disinfection:	

all rights reserved

Not required; X required. The responsibility to maintain the disinfection device(s) and provide any necessary chemicals is that of the Customer.

#### VI. Electronic Monitoring:

Electronic Monitoring is not included in this Agreement.

#### VII. Performance of Agreement:

Commencement of performance by Contractor under this Agreement is contingent on the following conditions:

a. If this is an initial Agreement (new installation):

I. Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.

If the above conditions are not met, Contractor is not obligated to perform any portion of this Agreement.

#### VIII. Customer's Responsibilities:

The customer is responsible for each and all of the following:

- a. Provide all necessary yard or lawn maintenance and removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.
  - b. Protect equipment from physical damage including but not limited to that damage caused by insects.
- c. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for and OSSF from the State and/or local regulatory agency, whichever requirements are more stringent, as well as the proprietary system's manufacturer recommendations.
- d. Notify Contactor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- e. Provide, upon request by Contractor, water usage records for the OSSF so that the Contractor can perform a proper evaluation of the performance of the OSSF.
- f. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section IV (d) above, Customer agrees to pay Contractor for the sample collection and transportation, portal to portal, at a rate of \$35.00 per hour, plus the associated fees for laboratory testing.
  - g. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.
- h. Prevent the condensation from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- i. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contactor, at Customer's expense.
  - j. Maintain site drainage to prevent adverse effects on the OSSF.
  - k. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

#### IX. Access by Contractor:

Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and the proprietary system manufacturer. It is Customers responsibility to keep lids exposed and accessible at all times.

#### X. Limit of Liability:

Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

#### XI. Indemnification

Customer (whether one or more) shall and does hereby agree to indemnify, hold harmless and defend Contractor and each of its successors, assigns, heirs, legal representatives, devisees, employees, agents and/or counsel (collectively "Indemnitees") from and against any and all liabilities, claims, damages, losses, liens, causes of action, suits, fines, judgments and other expenses (including, but not limited to, attorneys' fees and expenses and costs of investigation), of any kind, nature or description, (hereinafter collectively referred to as "Liabilities") arising out of, caused by, or resulting, in whole or in part, from this Agreement.

copyright all rights reserved

#### THIS INDEMNITIFCATION APPLIES EVEN IF SUCH LIABILITIES ARE CAUSED BY THE CONCURRENT OR CONTRIBUTORY NEGLIGENCE OR BY THE STRICT LIABILITY OF ANY INDEMNITEE.

Customer hereby waives its right of recourse as to any Indemnitee when Indemnification applies, and Customer shall require its insurer(s) to waive its/their right of subrogation to the extent such action is required to render such waiver of subrogation effective. Customer shall be subrogated to Indemnitees with respect to all rights Indemnitees may have against third parties with respect to matters as to which Customer provides indemnity and/or defense to Indemnitees. No Indemnification is provided to Indemnitees when the liability or loss results from (1) the sole responsibility of such Indemnitee; or, (2) the willful misconduct of such Indemnitee. Upon irrevocable acceptance of this Indemnification obligation, Customer, in its sole discretion, shall select and pay counsel to defend Indemnitees of and from any action that is subject to this Indemnification provision. Indemnitees hereby covenant not to compromise or settle any claim or cause of action for which Customer has provided Indemnification without the consent of Customer.

#### XII. Severability:

If any provision of the "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of the "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

#### XIII. Fee for Services:

The Fee for Services does not include any fees for equipment, material, labor necessary for non-warranty repairs. unscheduled inspections, or Customer requested visits to the site.

#### XIV. Payment:

Full payment is due upon execution of this Agreement (Required of new Customer). For any other service(s) or repair(s) provided by Contractor the Customer shall pay the invoice(s) for said service(s) or repair(s) within thirty (30) days of the invoice date. The Contractor shall mail all invoices on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a \$29.00 late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Contractor may terminate contract at any time for nonpayment for services. Any check returned to Contractor for any reason will be assessed a \$30.00 return check fee.

#### XV. Application or Transfer of payment:

The fees paid for this agreement may be transferred to subsequent property owner(s); however, this Agreement is not transferable. Customer shall advise the subsequent property owner(s) of the State requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be signed and received in Contractor's offices within ten (10) business days of date of transfer of property ownership. Contractor will apply all funds received from Customer first to any past due obligation arising from this Agreement including late fees or penalties, return check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this Agreement. See Section IV.

XVI. Entire Agreement:

This agreement contains the entire Agreement of the parties, and there are no other conditions in any other agreement,

o written.

**Rudy Carson** 

Block Creek Aerobic Services, LLC,

Contractor MP# 0002036 gonald Warnes Justus Censes 9/8/24

RC

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

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

May 14, 2024

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

RE- SEPTIC DESIGN
722 MAXIMINO RIDGE ROAD
BELLE OAKS RANCH, PHASE 3, BLOCK 4, LOT 88
BULVERDE, TX 78163
ARMES RESIDENCE

#### Brandon/Brenda,

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

Temporary erosion and sedimentation controls should be utilized as necessary prior to construction. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, activities must be suspended immediately and the applicant or his agent must immediately notify the TCEQ Regional Office. After that operations can only proceed after the Executive Director approves required additional engineered impact plans.

Designed in accordance with Chapter 285, Subchapter D, §285.40,285.41, & 285.42, Texas Commission on Environmental Quality (Effective December 29, 2016).

Greg W. Johnson, P.E. No. 67587 / F#258

170 Hollow Oak

New Braunfels, Texas 78132 - 830/905-2778

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

Date Soil Survey Performed:	May 13, 2024	<del></del>		
Site Location: BELLE OAKS RANCH, PHASE 3, BLOCK 4, LOT 88				
Proposed Excavation Depth:	N/A			
Requirements:				
At least two soil excavatio	ns must be performed on the	site, at opposite ends of the proposed disposal area.		
	dug pits must be shown on t			
For subsurface disposal, so	oil evaluations must be perfo	rmed to a depth of at least two feet below the		

proposed excavation depth. For surface dis	posal, the surface horizon must	be evaluated.
Describe each soil horizon and identify an	y restrictive features on the forn	n. Indicate depths where features appear.

SOIL BORING NUMBER SURFACE EVALUATION								
	Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations	
0 1 2	8"	Ш	CLAY LOAM	N/A	NONE OBSERVED	LIMESTONE @ 8"	BROWN	
3								
5								

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

I certify that the findings of this report are based on my field observat	tions and ar	e accı	ırate to
the best of my ability.			
/ / \ / /		1	•

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

Date

#### OSSF SOIL EVALUATION REPORT INFORMATION

Date: May 14, 2024		
Applicant Information:		
••	Site Evaluator Informa	tion:
Name: RONALD WILLIAMS & JUSTINA ARMES	Name: Greg W. Johnson	P.E., R.S. S.E. 11561
Address: c/o 23011 F.M. 306	Address: 170 Hollow O	
City: CANYON LAKE State: TEXAS	City: New Braunfels	
Zip Code: 78133 Phone: (830) 935-4936	Zip Code: 78132 Pho	one & Fax (830)905-2778
Lot 88 Unit 3 Blk 4 Subd. BELLE OAKS RAN Street Address: 722 MAXIMINO RIDGE ROAD City: BULVERDE Zip Code: 78163	Company:	
	Address:	
Additional Info.:		
Additional Info.:	City: Zip Code:	State:

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

GREG W. JOHNSON

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FIRM #2585

### AEROBIC TREATMENT DRIP TUBING SYSTEM

DESIGNED FOR: RONALD W. & JUSTINA ARMES c/o 23011 FM 306 CANYON LAKE, TEXAS 78133

#### **SITE DESCRIPTION:**

Located in Belle Oaks Ranch, Phase 3, Block 4, Lot 88, at 722 Maximino Ridge Road, the proposed system will serve a five bedroom residence (3503sf.) situated in an area with shallow Type III soil as described in the Soil Evaluation Report. Native grasses, oak, and Mountain Cedar 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 or 4-inch SCH-40 pipe discharges from the residence into a Maxx Air M-800 aerobic plant containing a 431-gallon pretreatment tank, an aerobic treatment plant, and a 854-gallon pump chamber containing a (0.5 HP ASHLAND 20CMP5-2W115) well pump. The well pump is activated by a time controller allowing the distribution ten times per day with an 6 minute run time with float setting at 360 gallons. A high level audible and visual alarm will activate should the pump fail. Distribution is through a self flushing 100 micron disc filter then through a 1" SCH-40 manifold to a 3000 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 Model PMR30MF 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 continuously flush the system by throttling a 1" ball valve to the pump tank. Solids caught in the disc filter are flushed each cycle back to the trash tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. Prior to installing drip tubing the entire field area will be scarified and built up with 4" of a Type II or III soil. Drip tubing will be laid and will be capped with 6" of Type II or Type III soil (NOT SAND). (A minimum of 12" soil between rock and drip lines.) The field area will be covered in curlex to prevent erosion and heavily seeded or sodded with a hearty 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: 5 Bedroom Residence (3503sf. Living Area) @ 360 gpd (Table III)

Pretreatment tank size: 431 Gal

Plant Size: Maxx Air M800 800 gpd (TCEQ Approved)

Pump tank size: 854 Gal

Reserve capacity after High Level: 120 Gal (1/3 day Req'd)

Application Rate: Ra = 0.2 gal/sf

Total absorption area: Q/Ra = 360 GPD/0.20 = 1800 sf. (3000 sf.)

Total linear feet drip tubing: 1750' Netifim Bioline drip tubing .61 GPH.

Pump requirement: 875 emitters @ .61 gph @ 30 psi = 8.9 gpm Pump Requirement (cont.): (0.5 HP ASHLAND 20CMP5-2W115)

#### MINIMUM SCOUR VELOCITY (MSV) > 2 FPS

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

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

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

MSV = 1.5 gpm PER LINE \* 5 LINES = 7.5 GPM MIN FLOW RATE

#### IN RETURN MANIFOLD W/ NOM. DIA 1.049" ID

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

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

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)

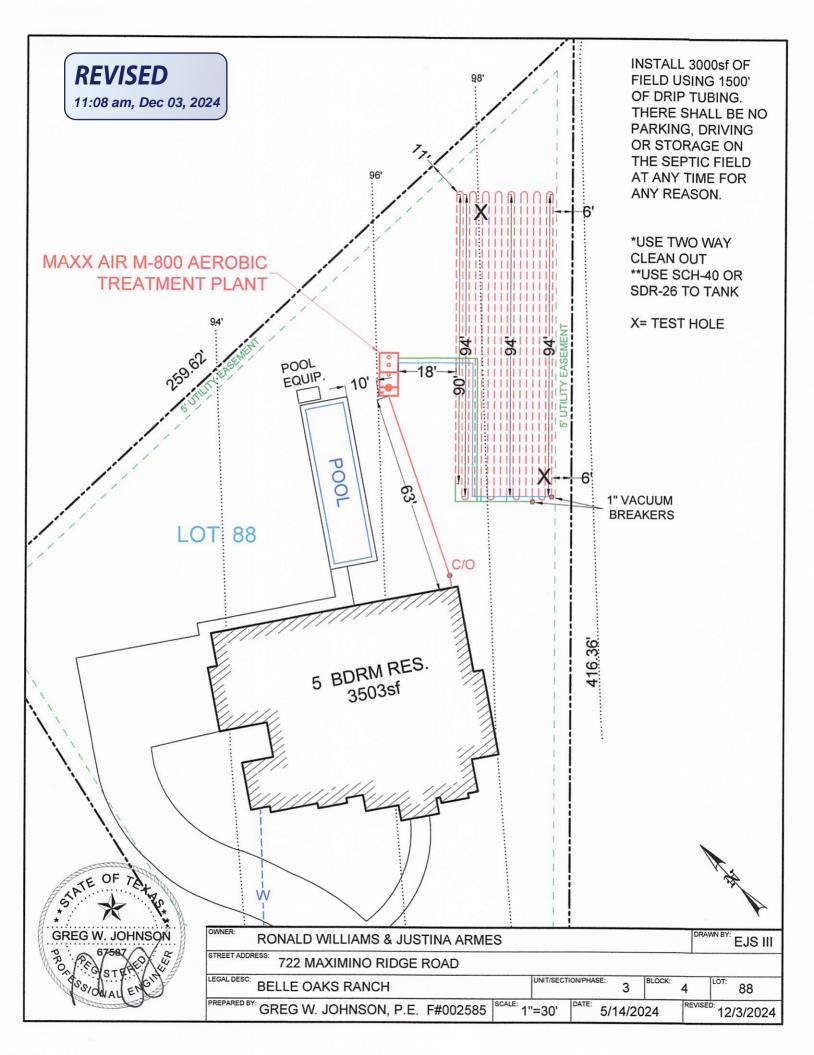
Greg W. Johnson, P.E.

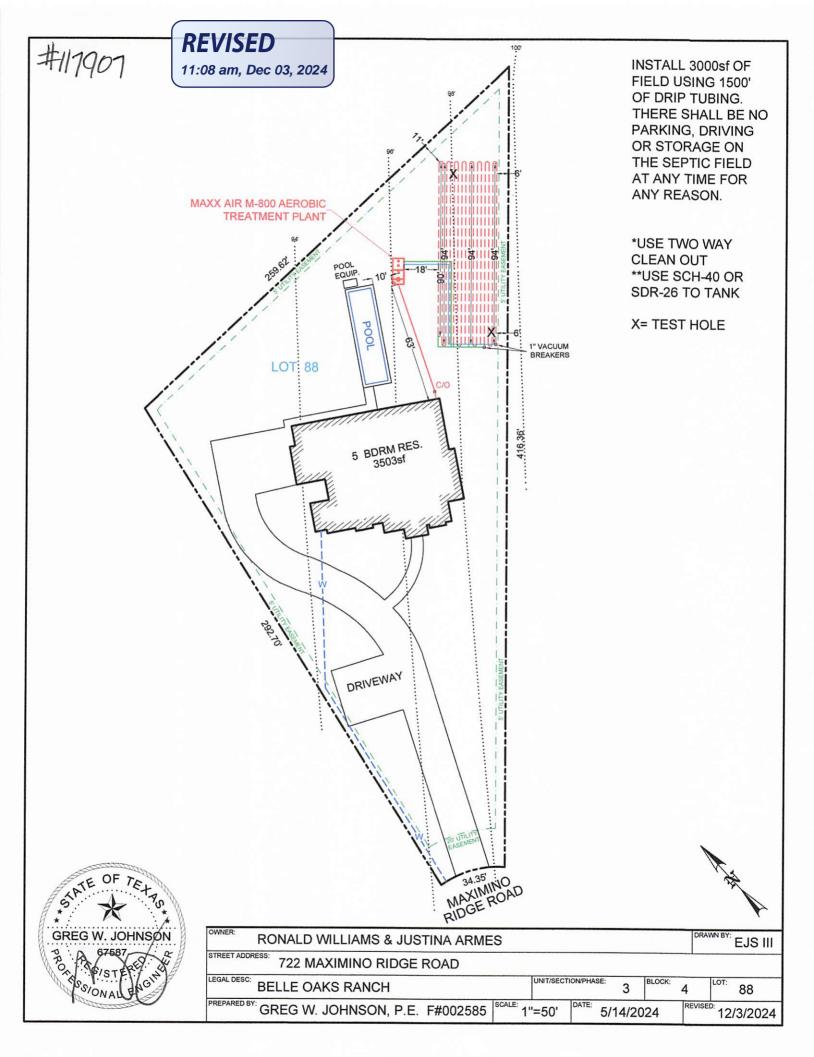
No. 67587 F# 2585

170 Hollow Oak

New Braunfels, Texas 78132

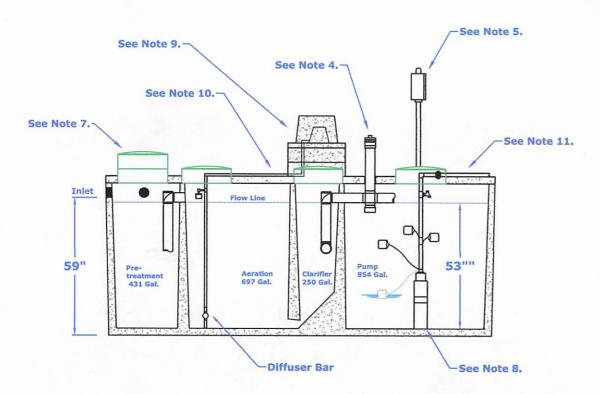
830/905-2778

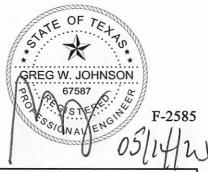




#### **GENERAL NOTES:**

- 1. Plant structure material to be precast concrete and steel.
- Weight = 16,700 lbs.
- Treatment capacity is 600 GPD. BOD Loading = 2.60 lbs. per day.
- Standard tablet chlorinator or Optional Liquid chlorinator. NSF approved chlorinators (tablet & liquid) available.
- 5. Control Center w/ Timer for night spray application. .
- 20" Ø acess riser w/ lid (Typical 4). Optional extension risers available.
- 20 GPM 1/2 HP, high head effluent pump.
- 9. Air Compressor w/ concrete housing.
- 10. 1/2" Sch. 40 PVC Air Line (Max. 50 Lft from Plant).
- 1" Sch. 40 PVC pipe to distribution system provided by contractor.





#### **DIMENSIONS:**

Outside Height: 67" Outside Width: 75" Outside Length: 164.5"

#### **MINIMUM EXCAVATION DIMENSIONS:**

Width: 87" Length: 177"

MAXX AIR M-800 Aerobic Treatment Plant (Assembled) March, 2010 By: A.S.

Scale:

All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-B800-2



Advantage Wastewater Solutions IIc. 444 A Old Hwy No 9 Comfort, TX 78013 830-995-3189 fax 830-995-4051

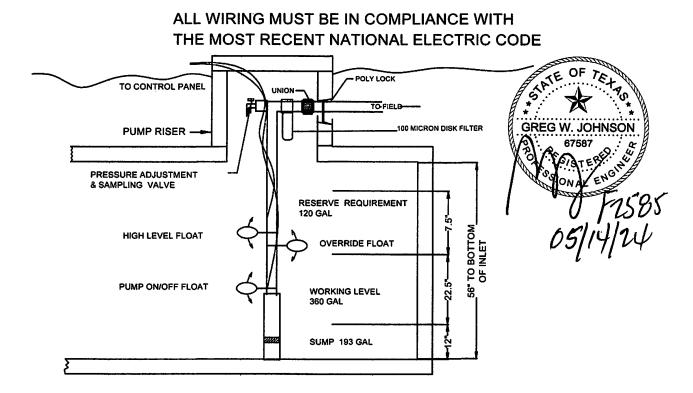
#### **TANK NOTES:**

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

Tightlines to the tank shall be SCH-40 PVC.

A two way sanitary tee is required between residence and tank.

A minimum of 4" of sand, sandy loam, clay loam free of rock shall be placed under and around tanks



TYPICAL PUMP TANK CONFIGURATION MAXX AIR M-800 PUMP TANK

### CISTERN PUMPS

### **CPM Series**

#### **Ashland Pump – CPM Series**

The Ashland Pump CPM Series is designed to operate in filtered effluent/gray water applications. The bottom suction design allows for maximum drawdown of fluid and the hydraulic stages are able to pass 1/8" solids without damage to the pump.

Installations in cistern tanks, rain basin catchments or anywhere drawdown levels need to be maximized are ideal applications for the Ashland Pump CPM Series.

#### **APPLICATIONS**

- · Filtered Effluent Water Pumping
- Gray Water Pumping
- Water Feature / Aeration Applications
- Rain Water Basin Applications

#### **FEATURES**

- · Bottom suction design for maximum drawdown
- · Able to pass 1/8" solids
- · Available in 10, 20 and 30 GPM flow rates
- ½ HP, 115V and 230V single phase motors
- · Heavy duty discharge with stainless steel internal threads
- . 600 Volt, 10' SJ00W jacketed lead
- · High shut-off pressure
- Quiet operation
- Standard removable base for stable mounting

#### **ORDERING INFORMATION**

		CP	M SERIES	<b>CISTERN F</b>	PUMP .	
Model/Order No.	GPM	HP	Voltage/Ph.	Stage Count	Length (in.)	Shipping Wt. (lbs.)
10CPM5-115	10		115/1	7	26	17
10CPM5-230	10		230/1	7	26	17
20CPM5-115	20		115/1	5	25	16
20CPM5-230	20	1/2	230/1	5	25	16
20+CPM5-115	20+	1,,	115/1	6	26	17
20+CPM5-230	20+		230/1	6	26	17
30CPM5-115	30		115/1	4	25	16
30CPM5-230	30		230/1	4	25	16



### 



Honest, Professional, Dependable

1899 Cottage Street, Ashland, Ohio 44805 Telephone: 855 281-6830 • Fax: 877 326-1994 • ashlandpump.com



#### 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:

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

#### Outlet

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)

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.

2.5 inches (6.4 cm)

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

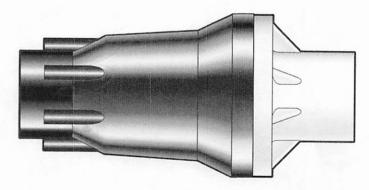
3/4" FNPT x 3/4" FNPT model (shown on right)

Overall Length 5.2 inches (13.1 cm) Overall Width

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)



<sup>\*</sup> 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
	(454 - 4542 L/hr)	(4.14 bar)	(9.65 bar)

### **Arkal 1" Super Filter**

### Catalog No. 1102 0\_\_\_

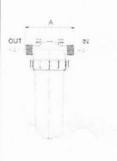
#### Features

- · 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		
	33.6 mm – pipe diameter (O. D.)		
Maximum pressure	10 atm	145 psi	
Maximum flow rate	8 m <sup>3</sup> /h (1.7 l/sec)	35 gpm	
General filtration area	500 cm <sup>2</sup>	77.5 in <sup>2</sup>	
Filtration volume	600 cm <sup>3</sup>	37 in <sup>3</sup>	
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	
рН	5-11	5-11	





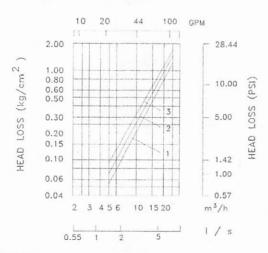
#### **Filtration Grades**

Green

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

(55 micron)

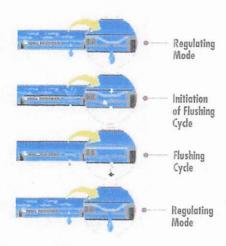
#### Head Loss Chart



# NETAFIM

### 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 slime.
  - Unique self-flushing mechanism passes small particles before they can build up.

#### Cross 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
   Trifluralin 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"\*

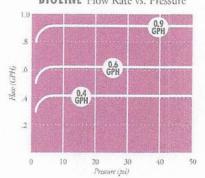
Recommended filtration: 120 mesh

Inside diameter: .570\*

Color: Purple tubing indicates non-potable

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

#### BIOLINE Flow Rate vs. Pressure





NETAFIM USA

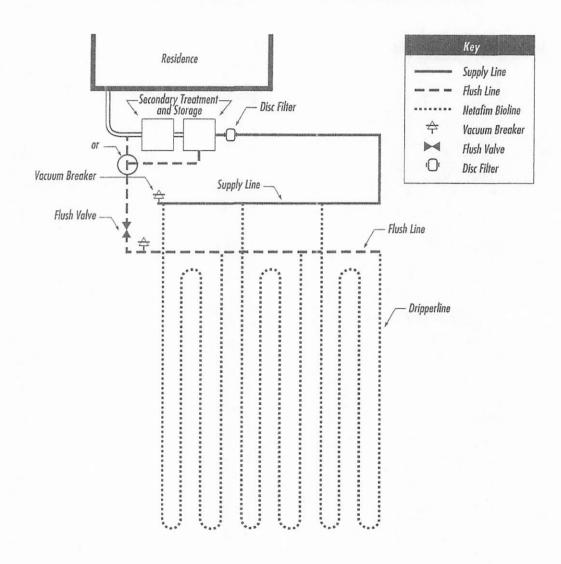
5470 E. Home Ave. • Fresno, CA 93727 888.638.2346 • 559.453.6800 FAX 800.695.4753 www.netafimusa.com

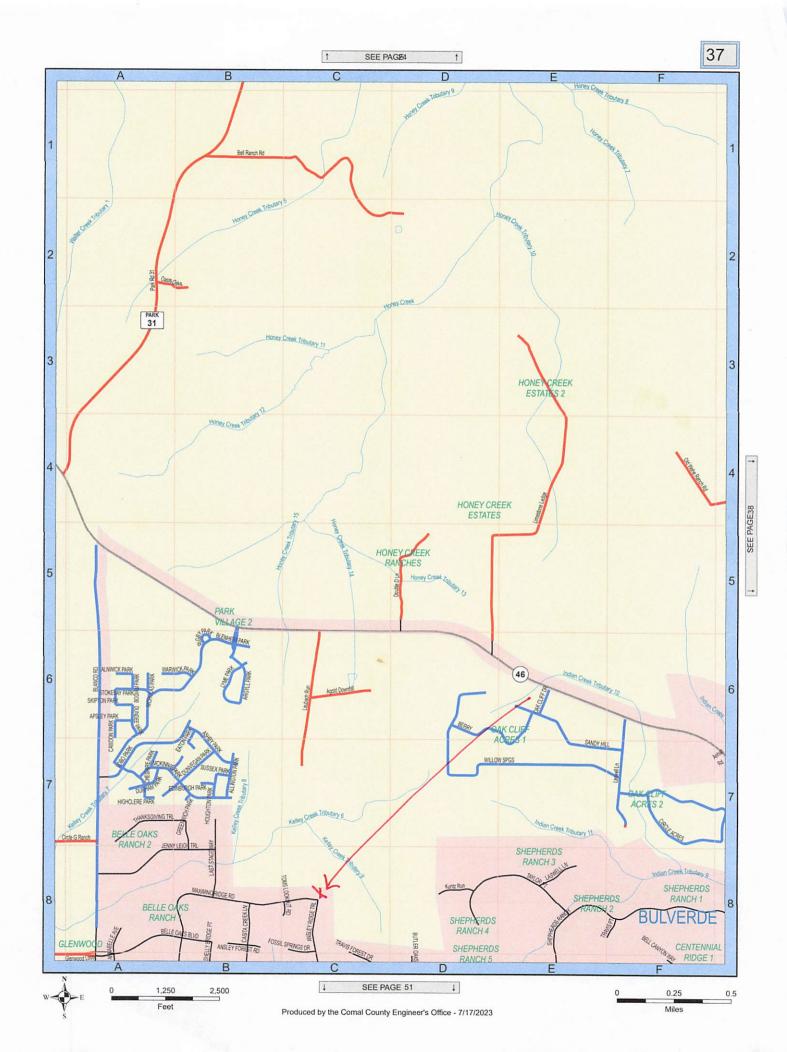
#### SAMPLE DESIGNS

#### 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





From: Ritzen,Brenda
To: Greg Johnson

Cc: <u>Traci Field</u>; <u>Katie Leidholdt</u>; <u>Roy Ackey</u>

Subject: RE: 722 MAXIMINO RIDGE - RD - ARMES #117907

Date: Tuesday, December 3, 2024 11:12:00 AM

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

Greg,

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: Greg Johnson <gregjohnsonpe@yahoo.com>

**Sent:** Tuesday, December 3, 2024 10:07 AM **To:** Ritzen,Brenda <a href="mailto:rabbjr@co.comal.tx.us">rabbjr@co.comal.tx.us</a>

**Cc:** Traci Field <traci@psseptics.com>; Katie Leidholdt <katie@psseptics.com>; Roy Ackey

<roya@gvtc.com>

Subject: 722 MAXIMINO RIDGE - RD - ARMES #117907

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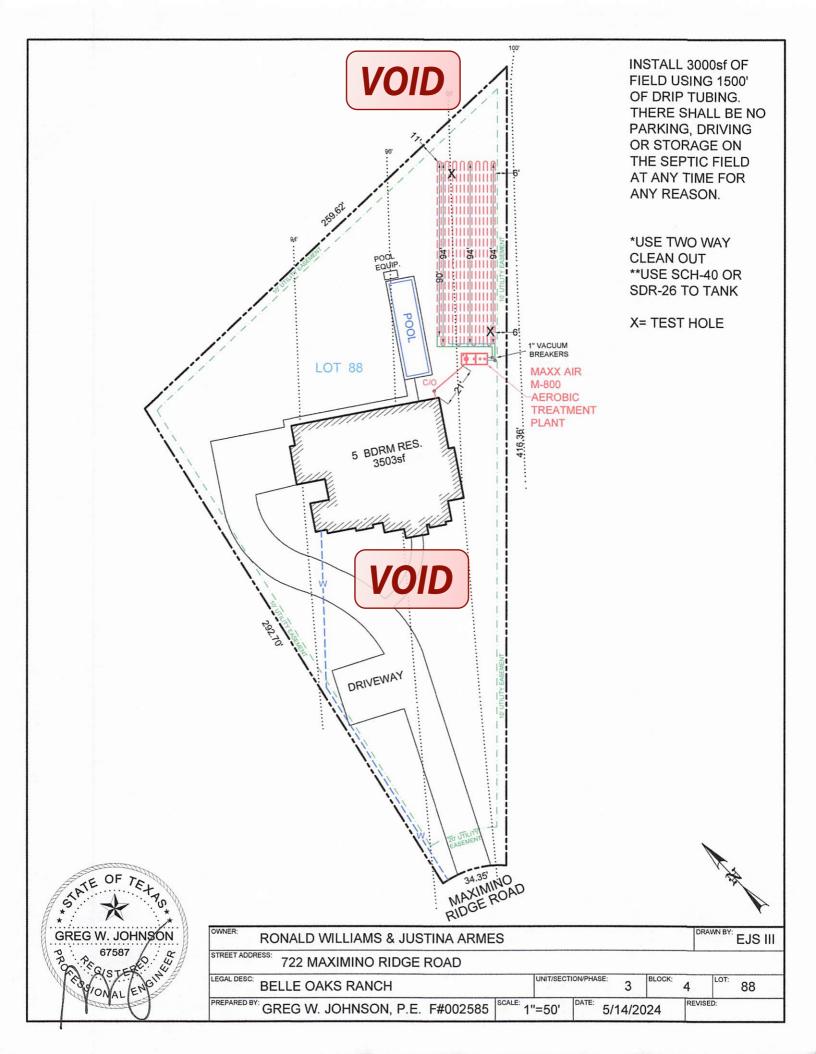
- Comal IT

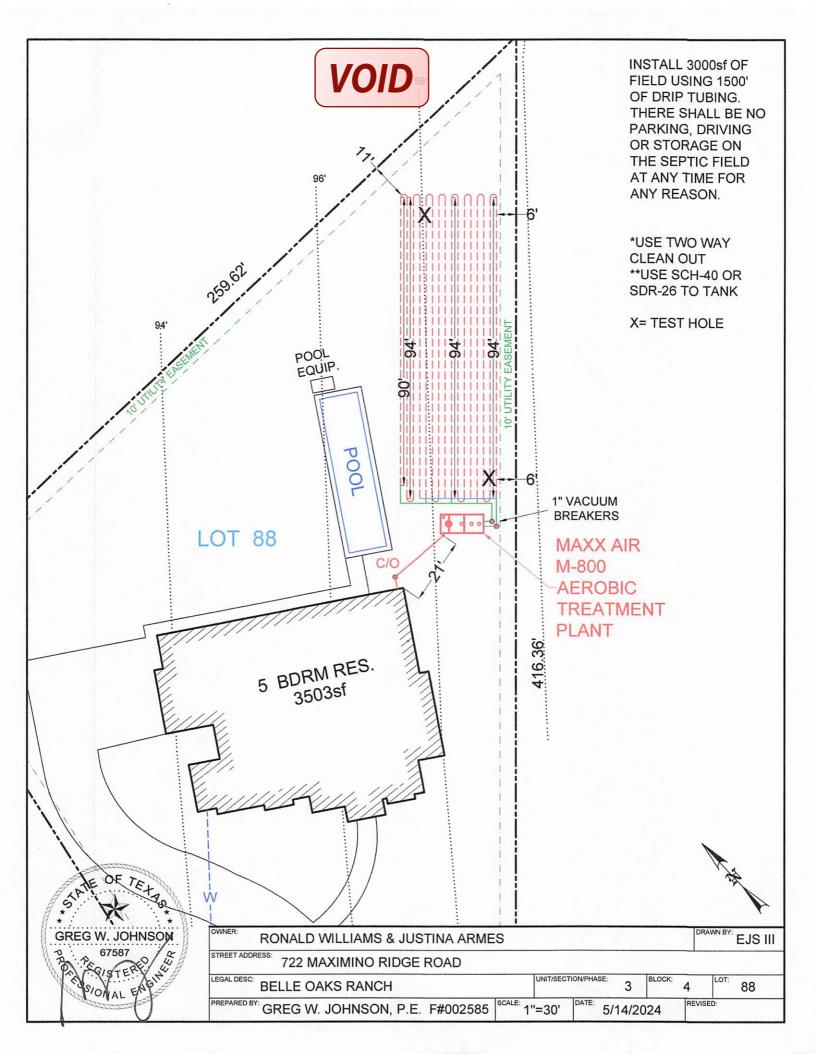
REVISED. THANKS, GREG

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

170 Hollow Oak

New Braunfels, TX 78132





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.

#### Special Warranty Deed with Vendor's Lien

THE STATE OF TEXAS \$ KNOW ALL MEN BY THESE PRESENTS: COUNTY OF COMAL \$

Executed on date of acknowledgement to be Effective on: December 18, 2020

Grantor: SOUTHERLAND BELLE OAKS, LLC, a Delaware limited liability company acting herein through AMERICAN LAND PARTNERS, INC., its Manager

Grantor's Mailing Address: 110 River Crossing Blvd., Suite 100, Spring Branch, Comal County, Texas 78070

Grantee: RONALD WILLIAMS ARMES and JUSTINA ARMES, a married couple

Grantee's Mailing Address: 1941 Walter Raliegh, Windcrest, Bexar County, Texas 78239

Consideration: Ten Dollars and value consideration, of which ONE HUNDRED TWENTY-FIVE THOUSAND FOUR HUNDRED FIFTY-SEVEN AND NO/100 DOLLARS (\$125,457.00) was advanced by the VETERANS LAND BOARD OF THE STATE OF TEXAS, 1700 N. Congress Avenue, Austin, Texas 78701-1496 to the Grantee(s) herein to enable Grantee to purchase the land described below. A note of even date in the principal amount of ONE HUNDRED TWENTY-FIVE THOUSAND FOUR HUNDRED FIFTY-SEVEN AND NO/100 DOLLARS (\$125,457.00) is executed by Grantee, payable to the order of VETERANS LAND BOARD OF THE STATE OF TEXAS. The note is secured by a vendor's lien retained in favor of VETERANS LAND BOARD OF THE STATE OF TEXAS in this deed and by a deed of trust of even date from Grantee to GEORGE P. BUSH, Trustee. The receipt of the consideration is hereby acknowledged and confessed.

IT IS AGREED that VETERANS LAND BOARD OF THE STATE OF TEXAS, at Grantee's request, has 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 VETERANS LAND BOARD OF THE STATE OF TEXAS and are transferred to that party without recourse on Grantor.

Property (including any improvements): Lot 88, Block 4, of BELLE OAKS RANCH, PHASE III, a subdivision in Comal County, Texas according to the map or plat thereof recorded in Document No. 202006019039, Map and Plat Records of Comal County, Texas.

Reservations from Conveyance: None.

Exceptions to Conveyance and Warranty: All restrictions, covenants, conditions, easements, reservations and other instruments that affect the property and to all zoning laws, regulations and ordinances of municipal and/or other governmental authorities that affect the property, and taxes for the current year, which Grantee assumes and agrees to pay.

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

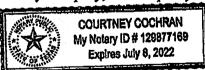
The vendor's lien against and superior title to the Property are retained until each note described is fully paid according to its terms, at which time this deed will become absolute.

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

SOUTHERLAND BELLE OAKS, LLC
A Delaware Limited Liability Company
By: American Land Partners, Inc.)
A Delaware Limited Liability Company,
Manager
By:
Printed Name: The Roll of Company
Authorized Agent

STATE OF TEXAS
COUNTY OF COUNTY OF

This instrument was acknowledged before me on the day of Delevore, 2020, by John Charles, Authorized Agent of American Land Partners, Inc., Manager of Southerland Belle Oaks, LLC, a Delaware Limited Liability Company, in the capacity therein stated.



Notary Public, State of Texas

AFTER RECORDING RETURN TO:
Corridor Title Company
GF No. 20-2884-NB
GF No. 20-2884-NB
GF No. 20-2884-NB
GF No. 20-2884-NB

CTORN 10: Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 12/21/2020 03:27:18 PM TERRI 2 Pages(s) 202006058077

PREPARED IN THE LAW OFFICE OF: Kristen Quinney Porter P.O. Box 312643 New Braunfels, Texas 78131-2643





Instructions:

**OSSF Permit** 



of a scaled design and all system specifications.

Surface Application/Aerobic Treatment System

Copy of Recorded Deed

### **OSSF DEVELOPMENT APPLICATION**

CHECKLIST Staff will complete shaded items 117907 Date Received Initials Permit Number Place a check mark next to all items that apply. For items that do not apply, place "N/A". This OSSF Development Application Checklist must accompany the completed application. Completed Application for Permit for Authorization to Construct an On-Site Sewage Facility and License to Operate Site/Soil Evaluation Completed by a Certified Site Evaluator or a Professional Engineer Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist Required Permit Fee - See Attached Fee Schedule Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public Signed Maintenance Contract with Effective Date as Issuance of License to Operate I affirm that I have provided all information required for my OSSF Development Application and that this application constitutes a completed OSSF Development Application. 09/12/2024 **Date** 

Signature of Applicant COMPLETE APPLICATION INCOMPLETE APPLICATION (Missing Items Circled, Application Refeused)