Preliminary Field Check For Drip Systems



RE: 642 Lakebreeze Dr. Canyon Lake Hills 6 Lot 2347R

Dear Property Owner & Agent,

Thank you for your submission. We have reviewed the planning materials for the referenced permit application, and unfortunately, they are insufficient. To proceed with processing this permit, we require the following:

- 1. 285.91(10) There is a 5 ft separation distance from tanks and foundations.
- 2. Revise accordingly and resubmit.

If you have any questions, you can email me or call the office.

Thank You,

Brandon Olvera | Designated Representative OS0034792 |

Comal County | www.cceo.org | f: 830-608-2078 | e: olverb@co.comal.tx.us |





OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

118432

•	Date Received	Initials	Permit Number
Instructions: Place a check mark next to all items that apply. For items Checklist <u>must</u> accompany the completed application.	that do not apply, pla	ce "N/A". This C	DSSF Development Application
OSSF Permit			
Completed Application for Permit for Authorization to	o Construct an On-Site	e Sewage Facili	ty and License to Operate
Site/Soil Evaluation Completed by a Certified Site Ev	valuator or a Professio	onal Engineer	
Planning Materials of the OSSF as Required by the of a scaled design and all system specifications.	TCEQ Rules for OSSI	Chapter 285.	Planning Materials shall consist
Required Permit Fee - See Attached Fee Schedule			
Copy of Recorded Deed			
Surface Application/Aerobic Treatment System			
Recorded Certification of OSSF Requiring Ma	intenance/Affidavit to	the Public	
Signed Maintenance Contract with Effective D	ate as Issuance of Lic	ense to Operat	е
l affirm that I have provided all information required fo constitutes a completed OSSF Development Applicat		ment Applicat	ion and that this application
180	02	2/27/20)25
Signature of Applicant		C	Date
COMPLETE APPLICATION Check No. Receipt No.	(M		TE APPLICATION cled, Application Refeused)
<u> </u>	<u> </u>		





ON-SITE SEWAGE FACILITY APPLICATION

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

Owner Name Mailing Address City, State, Zip Phone # Email 2. LOCATION Subdivision Name Survey Name / Abstract Address 3. TYPE OF DEVELOR Single Family F	VINCENT A. ARNOLD & WILLA M. ARNOLD 20450 HUEBNER ROAD APT : //310 SAN ANTONIO TEXAS 78258 830-832-1683 vwarnold11310@gmail.com CANYON LAKE HILLS ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTIN	City, St Phone Email	Address tate, Zip # Unit	NEW gr 6	State TX	OAK EXAS 78132 78 shoo.com Block
Owner Name Mailing Address City, State, Zip Phone # Email 2. LOCATION Subdivision Name Survey Name / Abst Address 3. TYPE OF DEVELO Single Family F Type of Consti	ARNOLD 20450 HUEBNER ROAD APT : //310 SAN ANTONIO TEXAS 78258 830-832-1683 vwarnold11310@gmail.com CANYON LAKE HILLS ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	Agent	Address tate, Zip # Unit	NEW gr 6	170 HOLLOW BRAUNFELS T 830-905-27 regjohnsonpe@ya Lot 2347R Acreage State TX	OAK EXAS 78132 78 shoo.com Block
City, State, Zip Phone # Email 2. LOCATION Subdivision Name Survey Name / Abst Address 3. TYPE OF DEVELO Single Family F	20450 HUEBNER ROAD APT : //310 SAN ANTONIO TEXAS 78258 830-832-1683 vwarnold11310@gmail.com CANYON LAKE HILLS ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	Agent	Address tate, Zip # Unit	NEW gr 6	170 HOLLOW BRAUNFELS T 830-905-27 regjohnsonpe@ya Lot 2347R Acreage State TX	OAK EXAS 78132 78 shoo.com Block
City, State, Zip Phone # Email 2. LOCATION Subdivision Name Survey Name / Abst Address 3. TYPE OF DEVELO Single Family F	SAN ANTONIO TEXAS 78258 830-832-1683 vwarnold11310@gmail.com CANYON LAKE HILLS ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	City, St Phone Email	tate, Zip#Unit	NEW gr 6	BRAUNFELS T 830-905-27 regjohnsonpe@ya Lot 2347R Acreage State TX	EXAS 78132 78 ahoo.com Block
Email 2. LOCATION Subdivision Name _ Survey Name / Abst Address 3. TYPE OF DEVEL Single Family for Type of Consti	CANYON LAKE HILLS ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	Phone Email	# Unit	6 _AKE	830-905-27 regjohnsonpe@ye Lot 2347R Acreage State TX	78 ahoo.com Block
2. LOCATION Subdivision Name _ Survey Name / Abst Address _ 3. TYPE OF DEVEL Single Family f Type of Const	CANYON LAKE HILLS ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	City	Unit	_6 _AKE	Lot 2347R Acreage State TX	Block
Subdivision Name Survey Name / Abstract Address 3. TYPE OF DEVEL Single Family F	ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	City	CANYON I	AKE	Acreage State_TX	
Survey Name / Abstract Address 3. TYPE OF DEVEL Single Family F Type of Constr	ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	City	CANYON I	AKE	Acreage State_TX	
Survey Name / Abstract Address 3. TYPE OF DEVEL Single Family F Type of Constr	ract Number 642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	City	CANYON I	LAKE	State TX	
Address 3. TYPE OF DEVEL Single Family f Type of Consti	642 LAKEBREEZE DRIVE OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	_ City	CANYON I	LAKE	State TX	
3. TYPE OF DEVELOR Single Family f Type of Consti	OPMENT Residential ruction (House, Mobile, RV, Etc.) EXISTE drooms 4 of Living Area 3100					
Single Family F	Residential ruction (House, Mobile, RV, Etc.) EXISTING drooms 4 of Living Area 3100	NG HOUSE & 1	RV (INTERMIT	FTENT USI	E)	
Type of Consti	ruction (House, Mobile, RV, Etc.) EXISTR drooms 4 of Living Area 3100	NG HOUSE & 1	RV (INTERMI)	TTENT US	Е)	
	of Living Area 3100	NG HOUSE &	KV (INTEKMI)	TENT US	E)	
radifiber of be	of Living Area 3100					
Indicate Ca Et						
	nily Residential					
	als must show adequate land area for doubling		land needed	for treatm	nent units and disp	oosal area)
	y					
	ries, Churches, Schools, Parks, Etc Indic					
Restaurants, L	ounges, Theaters - Indicate Number of Se	eats				
Hotel, Motel, H	Hospital, Nursing Home - Indicate Number	of Beds				
Travel Trailer/	RV Parks - Indicate Number of Spaces					
Miscellaneous						
Estimated Cost of	Construction: \$ EXISTING	(Structure	Only)			
	ne proposed OSSF located in the United St			aineers (USACE) flowage	e easement?
	If yes, owner must provide approval from USACE to					
	Public Private Well Rainwater				ine contor noneg	o casement)
4. SIGNATURE OF						
By signing this applicat						
The completed applica	ation and all additional information submitted do m the property owner or I possess the appropria	oes not conta ate land right:	in any false in s necessary t	nformation o make th	n and does not con ne permitted impro	nceal any material vements on said
 Authorization is hereb site/soil evaluation an 	y given to the permitting authority and designat d inspection of private sewage facilities rmit of authorization to construct will not be issu					
by the Comal County	Flood Damage Prevention Order.					
affirmatively consent	to the online posting/public release of my e-ma	ail address as	ssociated with	this perm	nit application, as	applicable.
Unter Qa	mill will in anall		2/2	15/2	1025	



ON-SITE SEWAGE FACILITY APPLICATION

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

Planning Materials & Site E	Evaluation as Required Completed By	GREG W. JOHNSON, P.E.
System Description	PROPRIETARY; AEROBIC	C TREATMENT AND DRIP TUBING
Size of Septic System Requ	uired Based on Planning Materials & Soil	Evaluation
Tank Size(s) (Gallons)	NUWATER B-550-PC	Absorption/Application Area (Sq Ft)2400
Gallons Per Day (As Per TC	EQ Table 111)340	-
(Sites generating more than 5	000 gallons per day are required to obtain a p	permit through TCEQ.)
Is the property located over	r the Edwards Recharge Zone? Yes	No No
(if yes, the planning materials	must be completed by a Registered Sanitaria	n (R.S.) or Professional Engineer (P.E.))
Is there an existing TCEQ a	approved WPAP for the property? Ye	es 🔀 No
(if yes, the R.S. or P.E. shall o	certify that the OSSF design complies with all	provisions of the existing WPAP.)
Is there at least one acre p	er single family dwelling as per 285.40(c)	(1)?
If there is no existing WPA	P, does the proposed development activi	ty require a TCEQ approved WPAP? 🔲 Yes 🔀 No
	ertify that the OSSF design will comply with a SSF until the proposed WPAP has been appro	all-provisions of the proposed WPAP. A Permit to Construct will not oved by the appropriate regional office.)
Is the property located ove	r the Edwards Contributing Zone? X	es No
Is there an existing TCEQ	approval CZP for the property? 🔲 Yes	⊠ No
(if yes, the P.E. or R.S. shall o	certify that the OSSF design complies with all	provisions of the existing CZP.)
If there is no existing CZP,	does the proposed development activity	require a TCEQ approved CZP? Yes No
	certify that the OSSF design will comply with a funtil the UP has been approved by the app	all provisions of the proposed CZP. A Permit to Construct will not be repriate reg
Is this property within an in	corporated city?	STA TO
If yes, indicate the city:		GREG W. JOHNSON
		FIRM #2585
By signing this application,	I certify that:	
•	above is true and correct to the best of my kn	_
- I affirmatively consent to t	the online posting/public release of my e-mail	address associated with this permit application, as applicable.
		February 24, 2025
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 County, Texas.

1

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.

Ħ

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):

6		BLOCK 2347R	LOT	CANYON LAKE HILLS	SUBDIVISION
if N	OT IN SUBDIVISION:	ACREAGE			SURVEY
	The property is owned by (I	nsert owner's full nan	10):	VINCENT A. ARNOLD & WILLA M	I. ARNOLD
	the initial two-year service	policy, the owner of an	aerobic t	contract for the first two years. After reatment system for a single family 30 days or maintain the system	r
	Upon sale or transfer of the transferred to the buyer or obtained from the Comal C	new owner. A copy of	the plann	permit for the OSSF shall be ing materials for the OSSF can be	
(WITNESS BY HAND(S) OF	N THIS_RS DAY OF		ENT A. ARNOLD	
@	Owner(s) signature(s)	vol/>	WILL	A M. ARNOLD (s) Printed name (s)	
-	***	ARNOLD SWORN TO		BEFORE ME ON THIS	as day of
	Jana M. 1			Filed and Recorded Official Public Records	š
	Nothry Public Sign	Hture		Bobbie Koepp, County Comal County, Texas	Clerk
	Leura M Harr			02/27/2025 08:36:13 A	M
	My Commission Ex 1/21/2029 Notary ID 11806	S		TERRI 1 Pages(s) 202506005445	
				Bobbie Koe	PP

WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

Regulatory Authority COMAL Permit/Lic Block Creek Aerobic Services, LLC Customer 444 A Old Hwy #9 Site Addres Comfort, X 78013 City CAN Off. (830) 995-3189 Mailing Ad Fax. (830) 995-4051 County Phone 830

CANYON LAKE HILLS, UNIT 6, LOT 2374R

Permit/License Number
Customer VINCENT A. & WILLA M. ARNOLD
Site Address 642 LAKEBREEZE DR
City CANYON LAKE Zip 78133 /1516
Mailing Address 20450 HUEBNER RD APT 349, S.A.7825
County COMAL Map # CCEO PG 29/D3
Phone 830-832-1683
Email vwarnold11310@gmail.com

I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between VINCENT A. & WILLA M. ARNOLD (hereinafter referred to as "Customer") and Block Creek Aerobic Services, LLC. By this agreement, Block Creek Aerobic Services, LLC and its employees (hereinafter inclusively referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Date:

This Agreement commences on LTO and ends on for a total of two (2) years (initial agreement) or one (1) year (thereafter). If this is an initial agreement (new installation), the Customer shall notify the Contractor within two (2) business days of the system's first use to establish the date of commencement. If no notification is received by Contractor within ninety (90) days after completion of installation or where county authority mandates, the date of commencement will be the date the "License to operate" (Notice of Approval) was issued by the permitting authority. This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty.

III. Termination of Agreement:

This Agreement may be terminated by either party for any reason, including for example, substantial failure of either party to perform in accordance with the terms of this Agreement, without fault or liability of the terminating party. The terminating party must provide written notice to the non-terminating party thirty (30) days prior to the termination of this Agreement. If this Agreement is terminated, Contractor will be paid at the rate of \$75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days of termination of this Agreement. Either party terminating this Agreement for any reason, including non-renewal, shall notify in writing the equipment manufacturer and the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination. Nonpayment of any kind shall be considered breach of contract and a termination of contract.

IV. Services:

Contractor will:

a. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulation, for a total of three visits to site per year. The list of items checked at each visit shall be the: control panel, Electrical circuits, timer, Aeration including compressor and diffusers, CFM/PSI measured, lids safety pans, pump, compressor, sludge levels, and anything else required as per the manufacturer.

b. Provide a written record of visits to the site by means of an inspection tag attached to or contained in the

c. Repair or replace, if Contractor has the necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of a routine monitoring visit. If such services are not covered by warranty, and the service(s) cost less than \$100.00, Customer hereby authorizes Contractor to perform the service(s) and bill Customer for said service(s). When service costs are greater than \$100.00, or if contractor does not have the necessary supplies at the site, Contractor will notify Customer of the required service(s) and the associated cost(s). Customer must notify Contractor of arrangements to affect repair of system with in two (2) business days after said notification.

 d. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis (commercial systems only).

e. Forward copies of this Agreement and all reports to the regulatory agency and the Customer.

f. Visit site in response to Customer's request for unscheduled services within forty-eight (48) hours of the date of notification (weekends and holidays excluded) of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

V. Disinfection:

copyright sill rights reserved

RC

Customer's Initials

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):

 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:

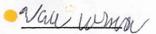
Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. 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.





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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,

Block Creek Aerobic Services, LLC

Contractor

glan would

MP# 0002036

RC

ON-SITE SEWERAGE FACILITY SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed:	February 21, 2025	-
Site Location:	CANYON LAK	E HILLS, UNIT 6, LOT 2347R
Proposed Excavation Depth:	N/A	
Locations of soil boring of For subsurface disposal, subsurface disposal, subsurface disposal, subsurface disposal for subsub	or dug pits must be shown on the s soil evaluations must be performe th. For surface disposal, the surface	d to a depth of at least two feet below the

Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/ Water Table)	Restrictive Horizon	Observations
0 1 8"	ш	CLAY LOAM	N/A	NONE OBSERVED	LIMESTONE @ 8"	BROWN
3	-					
4						

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							
5							

Date

I certify that the findings of this report are based o	n my field observations and are accurate to
the best of my ability.	,
the best of my ability.	02/21/25
<i>(</i>	o cy o y

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

OSSF SOIL EVALUATION REPORT INFORMATION

Applicant Information: Site Evaluator Information: VINCENT A. & WILLA M. ARNOLD Name: Greg W. Johnson, P.E., R.S, S.E. 11561 20450 HUEBNER ROAD APT.: 11310 Address: Address: 170 Hollow Oak City: SAN ANTONIO State: City: New Braunfels State: Texas Phone: (830) 832-1683 Zip Code: 78132 Phone & Fax (830)905-2778 Zip Code: 78258 **Installer Information: Property Location:** Lot 2347R Unit 6 Blk Subd. CANYON LAKE HILLS Name: **642 LAKEBREEZE DRIVE** Street Address: Company: CANYON LAKE Zip Code:____ Address: City:__ State: Additional Info.: Zip Code: _____ Phone ___ **Topography:** Slope within proposed disposal area: _____10 Presence of 100 yr. Flood Zone: YES X NO >50' (PRESSURE CEMENTED WELL) Existing or proposed water well in nearby area. YES X NO >75' to LAKE Presence of adjacent ponds, streams, water impoundments YES X NO Presence of upper water shed YES NO X YES Organized sewage service available to lot NO X

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

Date: February 24, 2025

GREG W. JOHNSON

OF TETTO

GREG W. JOHNSON

OF 67587

OF GISTERED

OF TETTO

FIRM #2585

DRIP TUBING SYSTEM

DESIGNED FOR:

VINCENT A. & WILLA M. ARNOLD 20450 HUEBNER ROAD, APT 1/3/6 SAN ANTONIO, TX 78258

SITE DESCRIPTION:

Located in Canyon Lake Hills, Unit 6, Lot 2347R, at 642 Lakebreeze Drive, this septic will serve an existing four bedroom residence (1643 sf) and intermittent use RV in an area with shallow Type-III soil as described in the Soil Evaluation Report. 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 inch SCH-40 pipe discharges from the residence and RV to a new Nu Water B550-400PT, 600 gpd aerobic treatment plant containing a 353 gal, pretreatment chamber and a 768 gal, pump chamber. The effluent after processing gravity feeds into the pump chamber. The pump chamber contains a 0.5 HP FPS E-Series-20FE05P4-2W115. The well pump is activated by mercury floats and a timer set to cycle eight times per day with a ten minute run time with a tank operating level from 50-70 gallons. A high level audible and visual alarm will activate should the pump fail. Distribution is through a self flushing 100 micron Arkal Disc filter then through a 1" SCH-40 manifold to a 2400 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 PMR40MF installed in the pump tank on the manifold to the field will maintain pressure at 40 psi. A 1" SCH-40 return line is installed to continuously flush the system to the pump tank by throttling a 1" ball valve. Solids caught in the Arkal disc filter are flushed each cycle back to the trash tank. Agricultural Products, Inc. (Model #VBK-1) 1" PVC 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 site must be scarified and built up with 4" of Type II or III soil. (A minimum of 12" of soil is required between rock/tank and drip tubing.) Drip tubing will be laid and the entire field area will be capped with 6" of loamy soil (Type 2 or 3-NOT SAND). The field area will be sodded with a hearty grass such as Bermuda, St. Augustine, etc. 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:

Q = 340 gpd Design Rate - 4 bedroom (3100 sf) & RV (Intermittent use) (Table III)

Pretreatment tank size: 353 Gal

Plant Size: Nu Water B550-400PT, 600 gpd (TCEQ Approved)

Pump tank size: 768 Gal

Reserve capacity after High Level: 120 gal. (>1/3 day usage)

Application Rate: Ra = 0.2 gal/sf

Total absorption area: Q/Ra = 340 GPD/0.2 = 1700 sf (Actual 2400 sf) Total linear feet drip tubing: 1200' *Netifim Bioline* drip tubing .61 GPH

Pump requirement: 600emitters @ 0.61 gph @ 30 psi = 6.1 gpm Pump: 0.5 HP FPS E-Series-20FE05P4-2W115 or equivalent.

Dosing volume: 50-70 gal.

Pump Tank Calculations: 768 Gal (14.5 gal/in.)
Volume below working level = 11"= 160 gal

Working level = 360 gal = 25"

Reserve Requirement = 1/3 day = 120 gal. = 8.5"

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)†2)/4)*7.48*60

MSV = 1.5 gpm x 4 = 6 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)†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. Drip tubing 0.61 gph drip tubing to be used in field. The manifold trench should be kept shallow to prevent interconnection of the trenches.

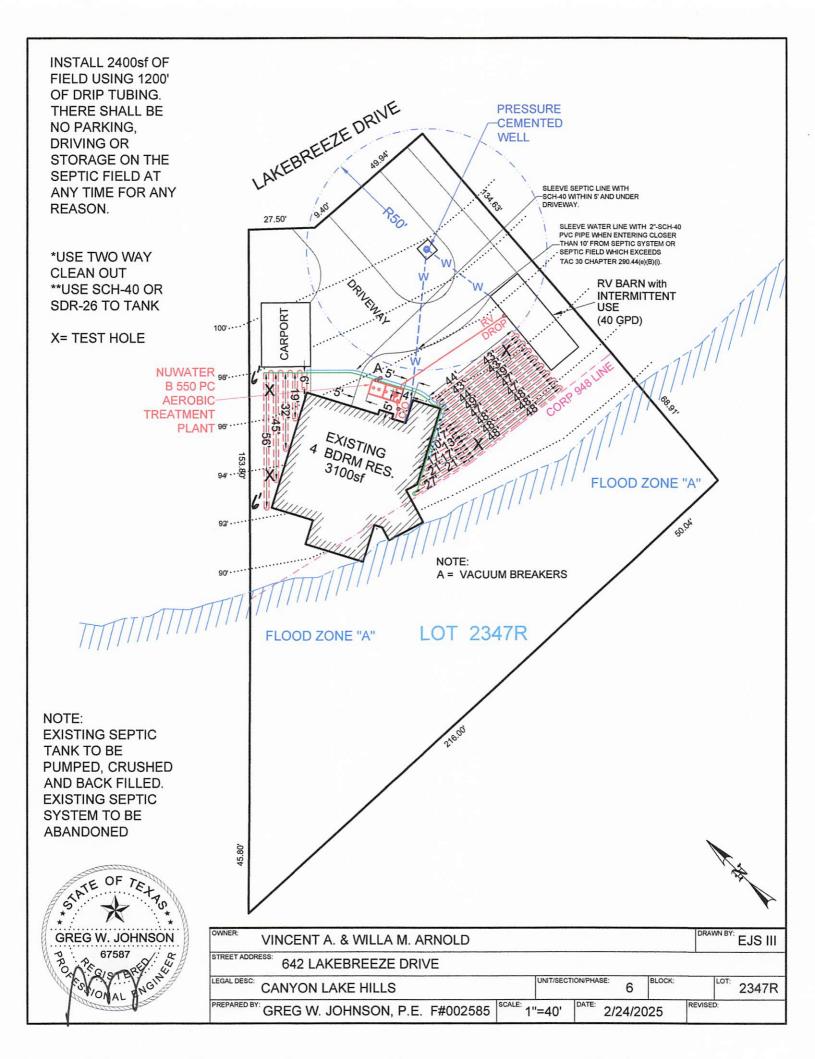
Designed in accordance with Chapter 285, Subchapter D, §285.30 and §285.40 Texas Commission on Environmental Quality (Effective December 29, 2016)

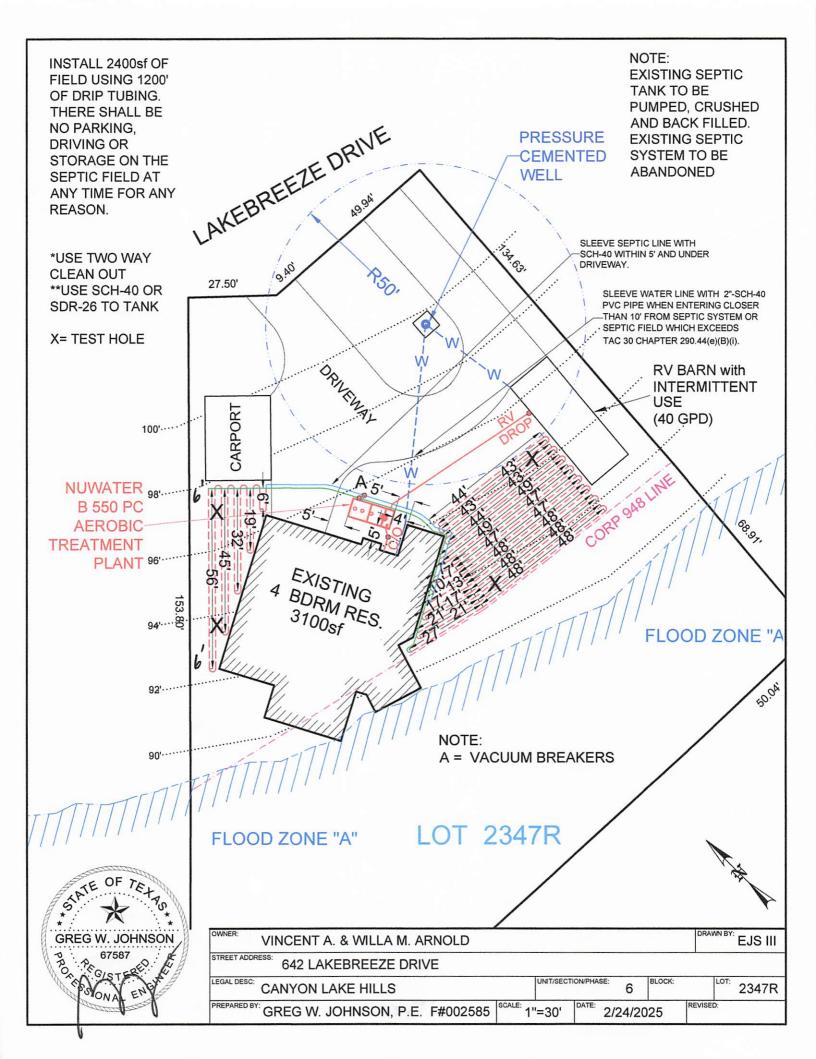
Greg W. Johnson, P.E. 1

No 67587 F#2585

170 Hollow Oak

New Braunfels, Texas 78132 - 830/905-2778





Assembly Details GENERAL NOTES: Plant structure material to be precast concrete and steel. Maximum burial depth is 30" from slab top to grade. OSSF Weight = 14,900 lbs. Treatment capacity is 600 GPD. Pump compartment set-up for a 360 GPD Flow Rate (4 beedroom, < 4,000 sq/ft living aera). Please specify for additional set-up requirements. BOD Loading = 1.62 lbs. per day. Standard tablet chlorinator or Optional Liquid chlorinator. NSF approved chlorinators (tablet & liquid) available. Bio-Robix B-550 Control Center w/ Timer for night spray application. Optional Micro Dose (min/sec)timer available for drip applications. Electrical Requirement to be 115 Volts, 60 Hz, Single Phase, 30 AMP, Grounded Receptacle. 20" Ø acess riser w/ lid (Typical 4). Optional extension risers available. 20 GPM 1/2 HP, high head effluent pump. HIBLOW Air Compressor w/ concrete housing. 10. 1/2" Sch. 40 PVC Air Line (Max. 50 Lft from Plant). See Note 9. 11. 1" Sch. 40 PVC pipe to distribution system provided by contractor. See Note 5. 12. 4" min. compacted sand or gravel pad by Contractor See Note 10.-See Note 7. See Note 11. Inlet Flow Line **DIMENSIONS:** Outside Height: 67" Outside Width: 63" Outside Length: 164" O 53"" 59" MINIMUM EXCAVATION DIMENSIONS: Agration Clarifler 768 Gal. treatment Width: 76" 560 Gal. 190 Gal 353 Gal. Length: 176" Diffuser Bar See Note 8. See Note 12.

NuWater B-550 (600 GPD)
Aerobic Treatment Plant (Assembled)

Model: B-550-PC-400PT

March, 2012 - Rev 1 By: A.S.

Scale:

 All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-B550-3



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

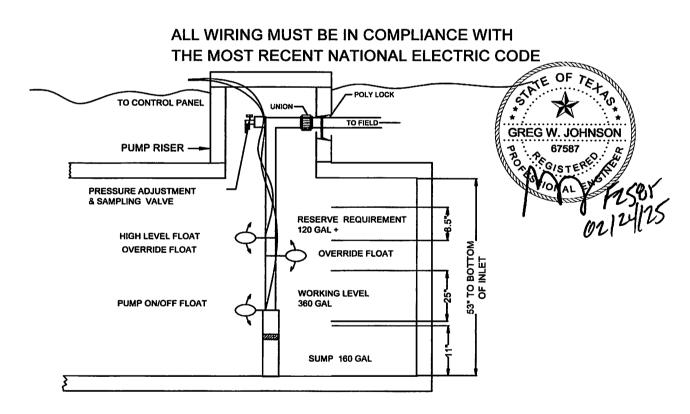
TANK NOTES:

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.

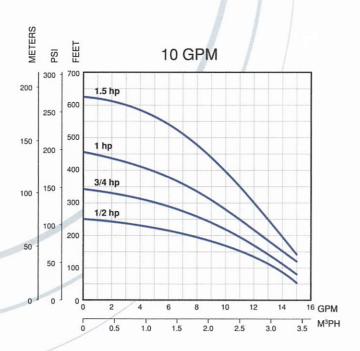
A minimum of 4" of sand, sandy loam, clay loam free of rock shall be placed under and around tanks



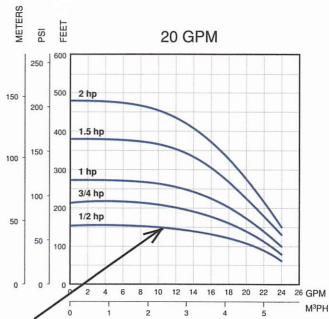
TYPICAL PUMP TANK CONFIGURATION NU-WATER 550PC -400PT 768 GAL PUMP TANK

Environmental Series Pumps





Thermoplastic Performance



Thermoplastic Units Ordering Information

1/2 - 1.5 HP Single-Phase Units						
Order No.	Model	GPM	HP	Volt	Wire	Wt.
94741005	10FE05P4-2W115	10	1/2	115	2	24
94741010	10FE05P4-2W230	10	1/2	230	2	24
94741015	10FE07P4-2W230	10	3/4	230	2	28
94741020	10FE1P4-2W230	10	1	230	2	31
94741025	10FE15P4-2W230	10	1.5	230	2	46
94742005	20FE05P4-2W115	20	1/2	115	2	25
94742010	20FE05P4-2W230	20	1/2	230	2	25
94742015	20FE07P4-2W230	20	3/4	230	2	28
94742020	20FE1P4-2W230	20	1	230	2	31
94742025	20FE15P4-2W230	20	1.5	230	2	40

Thermoplastic 1/2 - 2 HP Pump Ends						
Order No.	Model	GPM	HP	Volt	Wire	Wt.
94751005	10FE05P4-PE	10	1/2	N/A	N/A	6
94751010	10FE07P4-PE	10	3/4	N/A	N/A	7
94751015	10FE1P4-PE	10	1	N/A	N/A	8
94751020	10FE15P4-PE	10	1.5	N/A	N/A	12
94752005	20FE05P4-PE	20	1/2	N/A	N/A	6
94752010	20FE07P4-PE	20	3/4	N/A	N/A	7
94752015	20FE1P4-PE	20	1	N/A	N/A	8
94752020	20FE15P4-PE	20	1.5	N/A	N/A	10
94752025	20FE2P4-PE	20	2	N/A	N/A	11

Arkal 1" Super Filter

Catalog No. 1102 0___

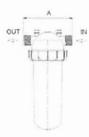
Features

- · 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	
11 (20 CM) (10 C - 3) (10 CM) (10 CM) (10 CM) (10 CM)	33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m ³ /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
pH	5-11	5-11





Filtration Grades

Blue (400 micron / 40 mesh)

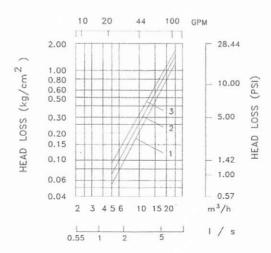
Yellow (200 micron / 80 mesh)

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)

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.

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

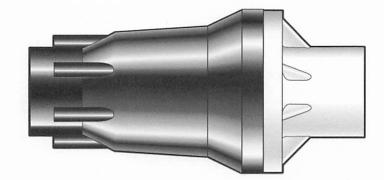
1" FBSPT x 1" FBSPT model

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

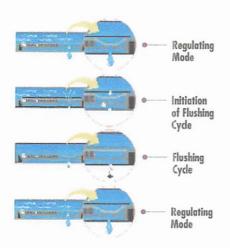
Model Numbers

Model #	Flow Range	Preset Operating Pressure	Maximum Inlet Pressure
PMR-6 MF	4 - 16 GPM	6 PSI	80 psi
	(909 - 3634 L/hr)		
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)



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 Bloline Dripperline Dripper Indet Fifter Debris Bioline Dripper

SECHFILTED

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

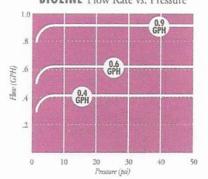
Inside diameter: .570*

Color: Purple tubing indicates non-potable

source

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

BIOLINE Flow Rate vs. Pressure





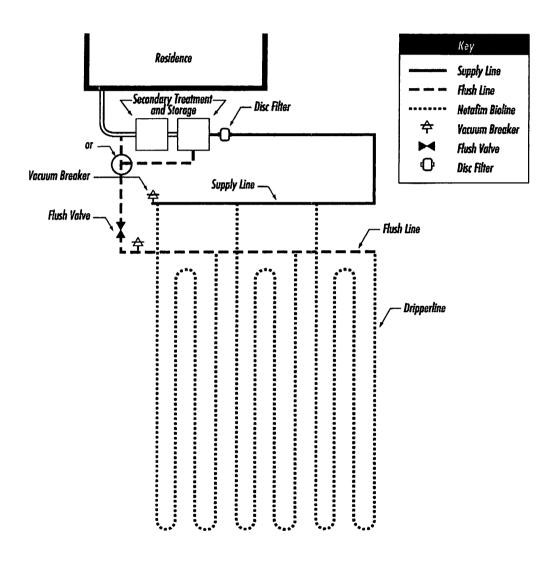
NETAFIM USA 5470 E. Home Ave. • Fresno, CA 93727 888.638.2346 • 559.453.6800 FAX 800.695.4753 www.netafimusa.com

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



STATE OF TEXAS WELL REPORT for Tracking #46860

Owner:

Vincent A Arnold

Owner Well #:

No Data

Address:

642 Lake Breeze Dr.

Grid #: Canyon Lake, TX 78133

68-14-3

Well Location:

642 Lake Breeze Dr.

same, TX 78133

Latitude:

29° 51' 08" N

Well County:

Comal

Longitude:

098° 15' 36" W

Elevation:

No Data

GPS Brand Used:

Eagle Explorer

Type of Work:

New Well

Proposed Use:

Domestic

Drilling Date:

Started: 9/22/2004

Completed: 9/28/2004

Diameter of Hole:

Diameter: 8 in From Surface To 247 ft

Drilling Method:

Air Rotary

Borehole Completion: Other: (No Data)

Annular Seal Data:

1st Interval: From 0 ft to 180 ft with 20 (#sacks and material)

2nd Interval: No Data 3rd interval: No Data

Method Used: pressure cemented

Cemented By: driller

Distance to Septic Field or other Concentrated Contamination: 100 ft

Distance to Property Line: 50 ft Method of Verification: visual Approved by Variance: No Data

Surface Completion: **Surface Slab Installed**

Water Level:

Static level: 120 ft. below land surface on 9/28/2004

Artesian flow: No Data

Packers:

rubber 180

Plugging Info:

Casing or Cement/Bentonite left in well: No Data

Type Of Pump:

Submersible

Depth to pump bowl: 200 ft

Well Tests:

Yield: 50 GPM with (No Data) ft drawdown after 1 hour

Water Quality:

Type of Water: lower Glenrose Depth of Strata: 200-220 ft. Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained undesirable constituents: No

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for

completion and resubmittal.

Well Report: Tracking #:46860

Page 2 of 2

Company Information:

Martinez Water Well 1146 Crown Dr.

Bulverde, TX 78163

Driller License Number: 2872

Licensed Well

Jose V Martinez

Driller Signature:

Registered Driller Apprentice No Data

Signature:

No Data

Apprentice Registration Number:

IVO Data

Comments:

No Data

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner of the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #46860) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

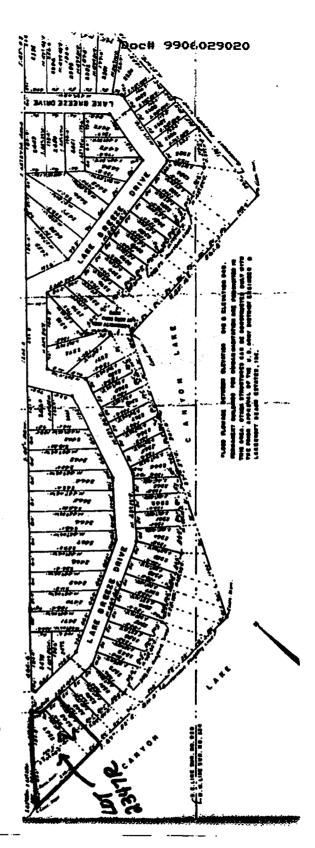
CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-20 tan lime 20-140 Lt.gray lime few shale st.140-180 tan lime 180-200 lt.gray lime 200-220 Lt.gray lime few intermitten frac. 220- 247 lt.gray lime Dia. New/Used Type 41/2 new plastic 0-200 blank 200-247 screen Setting From/To

OWNER: Vincent A. Arnold and wife Wi	Doc# 9906029020
OWNER'S ADDRESS (Including County): 642 Lake	Breeze Canyon Lake TX 78133-4019
LEGAL DESCRIPTION OF PROPERTY:	RFCEIVFD
NAME OF RECORDED SUBDIVISION PLAT AS	ND UNIT NUMBER, if my: COUNTY ENGINEER
Canyon Lake Hills, Unit 6 COMAL COUNTY MAP AND PLAT RECORDS LOTS OR TRACTS TO BE COMBINED: 2347 RESULTING LOT NUMBER: 2347 R	VOLUME 2 , PAGE 39
the property so as to combine the referenced lots or tracts in this Amendment to Plat will not dissolve or after any existi- the boundaries of this property and that obtaining releases other property interests affected by this process shall be the	waser of the described property does hereby amend the plat of to a single lot or tract. The property owner acknowledges that ag easements or other property interests that may exist within or permission from any owner or beneficiary of easements or responsibility of the property owner. The owner also certifies a Amendment to Plat as per the attached Lienholder's
(OWNER'S SECRETURE)	illela M. arnold
VINCENT A. ARTHER	Willia M. Arnold. (NAME PRINTED)
STATE OF TEXAS § COUNTY OF Comal §	
SWORN TO AND SUBSCRIBED before me by	VINCENT A ARNOW & WILLA M.
ARNOLD	the 16 day of Oct 1999
(SEAL) H. D. SHERRY MY COMMISSION LIGHTES October 1: 2000	MOTARY FUBLIC
APPROVED BY COMMISSIONERS' COURT ON	EOS RECORDING SARSONES OVO'X
THE 28 DAY OF CETALUL 1997. COUNTY JUDGE ATTEST:	Dock 9906029020 H Pages 4 10/20/99 12:17:14 PM Filed & Recorded, in Official Records of COMMI. COUNTY JOY STREATER COUNTY CLERX Fees \$50.00
COUNTY CLERK	Rev 9/98

CANYON LAKE HILLS.
UNIT NO. 6,
COMBINIUG LOTS 2347 and 2348
INTO LOT 2347R

Val. 2, Ag. 39



1982 AUG 23 PH 2: 11

Prepared by the State Bar of Texas for use by lawyers only. Reviewed IRENE S. NULTN 1-1-76. Revised to include grantee's address (art. 6626, RCS) 1-1-82. COUNTY CLERK COMAL COUNTY Prepared by the State Bar of Texas for use by lawyers only. Reviewed

215078

BY Charlew holto

WARRANTY DEED WITH VENDOR'S LIEN

THE STATE OF TEXAS

COUNTY OF COMAL

KNOW ALL MEN BY THESE PRESENTS:

That we, JAMES E. DAVIS and wife, LAVERNE DAVIS.

of the County of and State of for and in Bexar Texas consideration of the sum of TEN AND NO/100-----------DOLLARS

and other valuable consideration to the undersigned paid by the grantee sherein named, the receipt of which

is hereby acknowledged, and the further consideration of the execution and delivery by grantees of their one certain promissory note of even date herewith, in the principal sum of SEVENTEEN THOUSAND AND NO/100 Dollars (\$17,000), payable to the order of grantors in monthly installments and bearing interest as therein provided, containing the usual clauses providing for acceleration of maturity and for attorney's fees,

the payment of which note is secured by the vendor's lien herein retained, and is additionally secured by a deed C. N. CLAY TOWNSEND of trust of even date herewith to

have GRANTED, SOLD AND CONVEYED, and by these presents do GRANT, SELL AND CONVEY unto

VINCENT A. ARNOLD and wife, WILLA M. ARNOLD, of the County of Bexar

and State of

, all of the following described real

property in Coma1 County, Texas, to-wit:

Mr. 335 -48 V.28

VML 332 PAGE 428

Lot Number Two Thousand Three Hundred Forty-Seven (2347), CANYON LAKE HILLS, UNIT NO. 6, in Comal County, Texas, according to plat thereof recorded in Volume 2, page 39, Map and Plat Records of Comal County, Texas.

This conveyance is made and accepted subject to any and all conditions and restrictions, if any, relating to the hereinabove described property, to the extent, and only to the extent, that the same may still be in force and effect, shown of record in the office of the County Clerk of Comal County, Texas.

TO HAVE AND TO HOLD the above described premises, together with all and singular the rights and appurtenances thereto in anywise belonging unto the said grantees. their heirs and assigns forever; and we do hereby bind ourselves, our heirs, executors and administrators to WARRANT AND FOREVER DEFEND all and singular the said premises unto the said grantees, their heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

But it is expressly agreed that the VENDOR'S LIEN, as well as the Superior Title in and to the above described premises, is retained against the above described property, premises and improvements until the above described note—and all interest thereon are fully paid according to the face, tenor, effect and reading thereof, when this Deed shall become absolute.

EXECUTED this 20th day of August .A.D. 1982.

JAMES E. DAVIS

JAMES E. DAVIS

Mailing address of each grantee;

87.00 #2407

Name: VINCENT A. ARNOLD
Address8418 Crooked Sky
San Antonio, Texas 78250

Name: WILLA M. ARNOLD 8418 Crooked Sky San Antonio, Texas 78250

(Acknowledgment) STATE OF TEXAS COUNTY OF This instrument was acknowledged before me on the 2200 day of JAMES E. DAVIS and wife, LAVERNE DAVIS. August . 19 82 . Nomie My commission expires 2 Notary Public, State of Texas Notary's printed name: (Acknowledgment) STATE OF TEXAS **COUNTY OF** , 19 This instrument was acknowledged before me on the day of My commission expires: Notary Public, State of Texas Notary's printed name: (Acknowledgment) STATE OF TEXAS **COUNTY OF** This instrument was acknowledged before me on the day of , 19 by My commission expires: Notary Public, State of Texas Notary's printed name: (Corporate Acknowledgment) STATE OF TEXAS COUNTY OF , 19 day of This instrument was acknowledged before me on the ol corporation, on behalf of said corporation. 3 My commission expires: Notary Public, State of Texas Notary's printed name: AFTER RECORDING RETURN TO: USLIFE Title Company of Comal County 217 E. Mill Street New Braunfels, Texas 78130

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FILED FOR RECORD

RELEASE OF LIEN

93 DEC -8 PH 12: 39

CLERK CUMAL COUNTY

THE STATE OF TEXAS COUNTY OF COMAL

KNOW ALL MEN BY THESE PRESE

THAT the undersigned of the County of Bexar, State of Texas, the legal and equitable owner and holder of one certain promissory note in the original principal sum of TWENTY SIX THOUSAND AND NO/100 DOLLARS (\$26,000.00), more fully described in a Deed of Trust recorded in Volume 653, Pages 625-256, of the Official Public Records in Comal County, Texas; said note being secured by said Deed of Trust and a Vendor's Lien retained in a Deed dated October 21, 1988 from the undersigned to VINCENT A. ARNOLD and wife, WILLA M. ARNOLD, 642 Lake Breeze, Canyon Lake, Comal County, Texas against the following described real property in Comal County. Texas to-wit:

LOT TWO THOUSAND THREE HUNDRED FORTY EIGHT (2348), CANYON LAKE HILLS, UNIT NO. 6, Comal County, Texas, according to plat recorded in Volume 2, Page 39, Map and Plat Records of Comal County, Texas.

for and in consideration of the full and final payment of all indebtedness secured by the aforesaid lien, the receipt of which is hereby acknowledged, has RELEASED AND DISCHARGED, and by these presents hereby RELEASES AND DISCHARGES the above described property from all liens held by the undersigned securing said indebtedness.

EXECUTED this 29th day of November , 1993.

COMINA, INC.

THE STATE OF TEXAS COUNTY OF BEXAR

BEFORE ME, the undersigned authority, on this day personally appeared G. L. Shaw, Vice President of COMINA, INC., a Texas corporation, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the same for the purposes and consideration therein expressed in the capacity therein stated, and as the act and

deed of said corporation.

EXECUTED the 29th day of

1993.

LINDA HARRIS

Linda Harris, Notary Public in and for Bexar Co., Tx.

