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

Perm	it#:		Address:				
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials		285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)				
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards		285.91(10) 285.30(b)(4) 285.31(d)				
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)		285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot		285.32(a)(3)				
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)(A) 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		6 11.11		4.11	2.11	0.11
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart		285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3) (B)285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F)				
	AEROBIC TREATMENT UNIT IS Aerobic Unit Installed According to Approved Guidelines.		285.32(c)(1)				
	AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions						
	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.						
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided						
	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						

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



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

Permit Number: 118855

Issued This Date: 08/07/2025

This permit is hereby given to: JERRY & GINA FISHER

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

1460 STAHLMAN WAY

NEW BRAUNFELS, TX 78132

Subdivision: VINTAGE OAKS AT THE VINEYARD

Unit: 30

Lot: 2384

Block: 0

Acreage: 1.2100

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 Comal 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

WWW.CCEO.ORG

Date M	lay 5, 2025		Permit N	umber 1188	355
1. APPLICANT / A	AGENT INFORMATION				
Owner Name	JERRY & GINA FISHER	Agent Name		GREG JOHNSO	N, P.E.
Mailing Address_	14211 MANDERLY DRIVE	Agent Address _	s 170 HOLLOW OAK		OAK
City, State, Zip	HOUSTON, TEXAS 77077	City, State, Zip _	p NEW BRAUNFELS TEXAS		EXAS 78132
Phone #	830-312-6266	Phone #	830-905-2778		78
Email	brandon@vintageluxurybuilders.com	Email _	gı	regjohnsonpe@ya	ahoo.com
2. LOCATION		1			
Subdivision Name	VINTAGE OAKS AT THE VINE	YARD Un	it 30	Lot 2384	Block
	ostract Number				
	1460 STAHLMAN WAY				
3. TYPE OF DEVE		state and the state of the stat	united and an extensive service of the service of t		
Single Famil	ly Residential				
Type of Con	nstruction (House, Mobile, RV, Etc.)	HOUSE			
Number of E	The state of the s		And the second second second second second second	**************************************	
	Ft of Living Area 2981				
	Family Residential				
Incomed	terials must show adequate land area for doubling	the required land needs	ed for treatn	nent units and disa	oosal area)
	ility				70001 0.007
	ctories, Churches, Schools, Parks, Etc Indic		ants		
	s, Lounges, Theaters - Indicate Number of Se				
	I, Hospital, Nursing Home - Indicate Number				
	er/RV Parks - Indicate Number of Spaces				
	us				
Estimated Cost	of Construction: \$ 600,000	(Structure Only)			
	f the proposed OSSF located in the United S		naineers (IISACE) floward	o agramant?
	No (If yes, owner must provide approval from USACE for Public Private Well Rainwater		ments within	the USACE flowag	e easement)
4. SIGNATURE O	Kenned beamend	Conscion			
By signing this applie					
The completed app	plication and all additional information submitted do	oes not contain any false	information	n and does not co	nceal any materia

- Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities..
- I understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.



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; AEROBIC TREATMENT AND DRIP TUBING
Size of Septic System Required Based on Planning Materials & Soil Evaluation
Tank Size(s) (Gallons)FUJI CE7A & 750 PUMP Absorption/Application Area (Sq Ft)
Gallons Per Day (As Per TCEQ Table III)
Is the property located over the Edwards Recharge Zone? Yes No (If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))
Is there an existing TCEQ approved WPAP for the property? Yes No No (if yes, the R. S. or P. E. shall certify that the OSSF design complies with all 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 activity require a TCEQ approved WPAP? Yes No (If yes, the R.S. or P. E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)
Is the property located over the Edwards Contributing Zone? Yes No
Is there an existing TCEQ approval CZP for the property? Yes No (if yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP)
If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? Yes No (if yes, the P.E. or R.S. 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 CZP has been approved by the approved by the approved to the proposed CZP.
Is this property within an incorporated city? Yes No
If yes, indicate the city: SKEG W. JOHNSON 67587 FGS/ONAL ENGINE
FIRM #2585
By signing this application, I certify that: - 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 7, 2025 Pote Page 3 of 1
Signature of Designer Page 2 of 2

Bobbie Koepp

AFFIDAVIT

THE COUNTY OF COMAL STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

	4 LOT VINTAGE OAKS AT THE VINEYARD SUBDIVISION
OT IN SUBDIVISION:ACREAGE	SURVEY
The property is owned by (insert owner's full	name): JERRY FISHER & GINA FISHER
This OSSF must be covered by a continuous at the initial two-year service policy, the owner or residence shall either obtain a maintenance copersonally.	maintenance contract for the first two years. After f an aerobic treatment system for a single family outract within 30 days or maintain the system
Upon sale or transfer of the above-described paransferred to the buyer or new owner. A copy obtained from the Comal County Engineer's Of	of the planning materials for the OSSF can be
WITNESS BY-HAND(S) ON THIS 7 DAY	JERRY FISHER ,20_25
Owner(s) signature(s)	GINA FISHER Owner (s) Printed name (s)
JERRY FISHER & GINA FISHER SWORM	TO AND SUBSCRIBED BEFORE ME ON THIS DAY OF
3019 ,20 25	
Notary Public Signature	Filed and Recorded Official Public Records



By Cody Young LLC

To: _	JERRY & GINA FISHER
	VINTAGE OAKS AT THE VINEYARD, UNIT 30, LOT 2384
Site:	1460 STAHLMAN WAY, NEW BRAUNFELS, TX 78132
Coun	ty: COMAL
Insta	ller: GORDON PAUL SWOYER
Agen	cy: COMAL (CCEO)
Mfg.	/Brand: FUJI CE7A

Level 1 Contract

This service contract for the On-Site Sewage-facility, (OSSF), located at the site stated above. OSSF is to be
inspected and serviced at regular intervals under a licensed provider. Special emergency service is to be provided
within 48 hours of notification by the homeowner or the owner's agent. The initial contract is for (2) years from
the date of final septic system inspection. Renewals shall be for a period of 2 years at the current rate and remain
in effect for the specified dates listed. FromLTOuntil _2 YEARS FROM LTO (License to Operate)

Contract price \$700

License to Operate

Service Program Includes:

- 1. Regular site inspection at 4-month intervals for residential septic system.
- OSSF maintenance: check aerator components for proper operation, control panel, effluent pump, spray head/drip nozzle. Check Proprietary specific components. Check pumps, check spray heads, check, and clean any Filters, check bull run valves and any other valves. Flush drain field if needed.
- 3. Visual inspection of control panel, (when accessible).
- 4. Labor expenses required at the home to maintain, repair, or remove any part of the control center or mechanical aerator to be returned for factory repair.
- 5. Labor expenses required at the home to service, repair, or install any part of the control panel or aerator returned from factory.
- All maintenance reports will be emailed to the permitting authority & customer within 14 days of inspection.

Client Responsibilities:

- 1. Special service calls after the (at the 4-month intervals) stated in item #1.
- 2. BODs or TSS grab samples, (if needed).
- 3. Freight costs to and from factory, for component repair.
- 4. Costs for replacing damaged or missing parts and repairing any equipment not under any specified
- 5. Pumping out any or all the OSSF by a licensed waste hauler.
- 6. The Homeowner is responsible for maintaining the chlorinator and providing proper chlorine supply if
- 7. Securing pets so that maintenance functions can be performed safely for the technician, and the pet. If pets are present in the yard, and the owner is not on site to secure the animals, it is necessary to cancel the maintenance.
- 8. Securing pets so that maintenance functions can be performed safely for the technician, and the pet. If pets are present in the yard, and the owner is not on site to secure the animals, and it is necessary to cancel the maintenance, there will be a \$75 trip charge.
- 9. Insuring access to the property, always to the maintenance provider. (Gates, chains with locks, codes, etc.)

Miscellaneous Provisions

1.	This contract can be terminated by either party in writing, within 30 days' notice.	Contracts that are
	terminated will include notification in writing to the Authority having Jurisdiction	, the Manufacturer of the
	system, and the other party.	

Homeowner:

Brail: ofisher 2929 @ gmail.cor

Maintenance Provider: Milo Young, License #MP0002338

Septic Pumping & Maintenance by Cody Young

911 RR3404

Kingsland, TX 78639

(325)248-8740

Greg W. Johnson, P.E.

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

May 7, 2025

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

RESEPTIC DESIGN
1460 STAHLMAN WAY
VINTAGE OAKS AT THE VINEYARD, UNIT 30, LOT 2384
NEW BRAUNFELS, TX 78132
FISHER RESIDENCE

Brandon /Brenda,

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

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. 67

No. 67587 / F#2585

05/01/25

170 Hollow Oak

New Braunfels, Texas 78132 - 830/905-2778

ON-SITE SEWERAGE FACILITY SOIL EVALUATION REPORT INFORMATION

Date Soil Survey Performed:	May 06, 2025	_
Site Location:	VINTAGE OAKS at	the VINEYARD, UNIT 30, LOT 2384
Proposed Excavation Depth:	N/A	
Locations of soil boring	g or dug pits must be shown on the	e, at opposite ends of the proposed disposal area. site drawing. ed to a depth of at least two feet below the

proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Describe each soil horizon and identify any restrictive features on the form. Indicate depths where features appear.

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

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

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

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

Date

OSSF SOIL EVALUATION REPORT INFORMATION

Date:May 07, 2025				
Applicant Information:				
	Site Evaluator Info	ormation:		
Name: JERRY & GINA FISHER	Name: Greg W. Jol	nnson, P.E., R.S, S.E. 11561		
Address: 14211 MANDERLY DRIVE		ow Oak		
City: HOUSTON State: TEXAS	City: New Braunfels State: Texas			
Zip Code: 77077 Phone: (830) 312-6266	Zip Code: <u>78132</u>	Phone & Fax (830)905-2778		
Property Location: VINTAGE OAKS at	the Installer Infor	rmation:		
Lot 2384 Unit 30 Blk Subd. VINEYARD	Name:			
Street Address: 1460 STAHLMAN WAY	Company:			
City: NEW BRAUNFELS Zip Code: 78132	Address:			
Additional Info.:		State:		
	Zip Code:	Phone		
	•			
<u>Topography:</u> Slope within proposed disposal area:				
Presence of 100 yr. Flood Zone:	$YES_{}$ NO \underline{X}	<u>_</u>		
Existing or proposed water well in nearby area.	$YES_{}$ NO \underline{X}			
Presence of adjacent ponds, streams, water impoundments	YESNO_X			
Presence of upper water shed	YESNO_X	· <u>·</u>		
Organized sewage service available to lot	YESNO_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

05/07/25 DATE GREG W. JOHNSON

OF TEXT PS

GREG W. JOHNSON

OF GOISTERED

OF TEXT PS

OF TEX

FIRM #2585

AEROBIC TREATMENT DRIP TUBING SYSTEM

DESIGNED FOR: JERRY & GINA FISHER 14211 MANDERLY DRIVE HOUSTON, TX 77077

SITE DESCRIPTION:

Located in Vintage Oaks at the Vineyard, Unit 30, Lot 2384, at 1460 Stahlman Lane, the proposed system will serve four bedroom residence (2981sf.) situated in an area with shallow Type IV 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 Fuji Clean CE7A 720 gpd aerobic plant containing a 397-gallon pretreatment tank, an aerobic treatment plant, and a AK 750-gallon pump tank containing a (0.5 HP Franklin C1-Series-20XC1-05P4-2W115) well pump. The well pump is activated by a time controller allowing the distribution eight times per day with an 6 minute run time with float setting at 300 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 continuously flushed each cycle back to the pump tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. Prior to installing drip tubing the entire field area will be scarified and surface rocks removed then built up with 6" 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 required between drip lines and rock. The field area will be covered in Curlex erosion control blankets and heavily seeded or just sodded with grass prior to system startup..Risers are required on tank inspection ports as per 30 TAC 285.38 (9/1/2023). This includes access limitation (<65lbs lid or hardware secured lid), inspection and cleanout ports shall have risers over the port openings which extend to a minimum of two inches above grade. A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap to prevent tank entry if the cap is unknowingly damaged or removed.

DESIGN SPECIFICATIONS:

Daily waste flow: 4 Bedroom Residence (2981 sf. Living Area) @ 300 gpd (Table III)

Pretreatment tank size: 397 Gal

Plant Size: FUJI CLEAN CE7A 720 gpd (TCEQ Approved)

Pump tank size: 750 Gal

Reserve capacity after High Level: 100 Gal (1/3 day Req'd)

Application Rate: Ra = 0.1 gal/sf

Total absorption area: Q/Ra = 300 GPD/0.10 = 3000 sf.

Total linear feet drip tubing: 1500' *Netifim Bioline* drip tubing .61 GPH

Pump requirement: 750 emitters @ .61 gph @ 20 psi = 7.625 gpm

Pump Requirement (cont.): (0.5 HP Franklin C1-Series-20XC1-05P4-2W115)

MINIMUM SCOUR VELOCITY (MSV) > 2 FPS

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

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

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

MSV = 1.5 gpm PER LINE * 5 LINES = 7.50 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.

DRAINAGE EASEMENT:

According to the plat map a portion of the referenced property is located within a drainage easement BSL, with a portion of the aerobic drip field within the drainage easement/BSL. The system has been designed so that during a flood event, in my professional opinion, no damage will occur to the OSSF as to cause contamination to the environment or a nuisance. The drip area is not in an area where a flow with a velocity able to damage the piping will occur and does not contain any ditches, swales, or drainage features and is not in an area were seeps will occur. No setbacks are required.

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

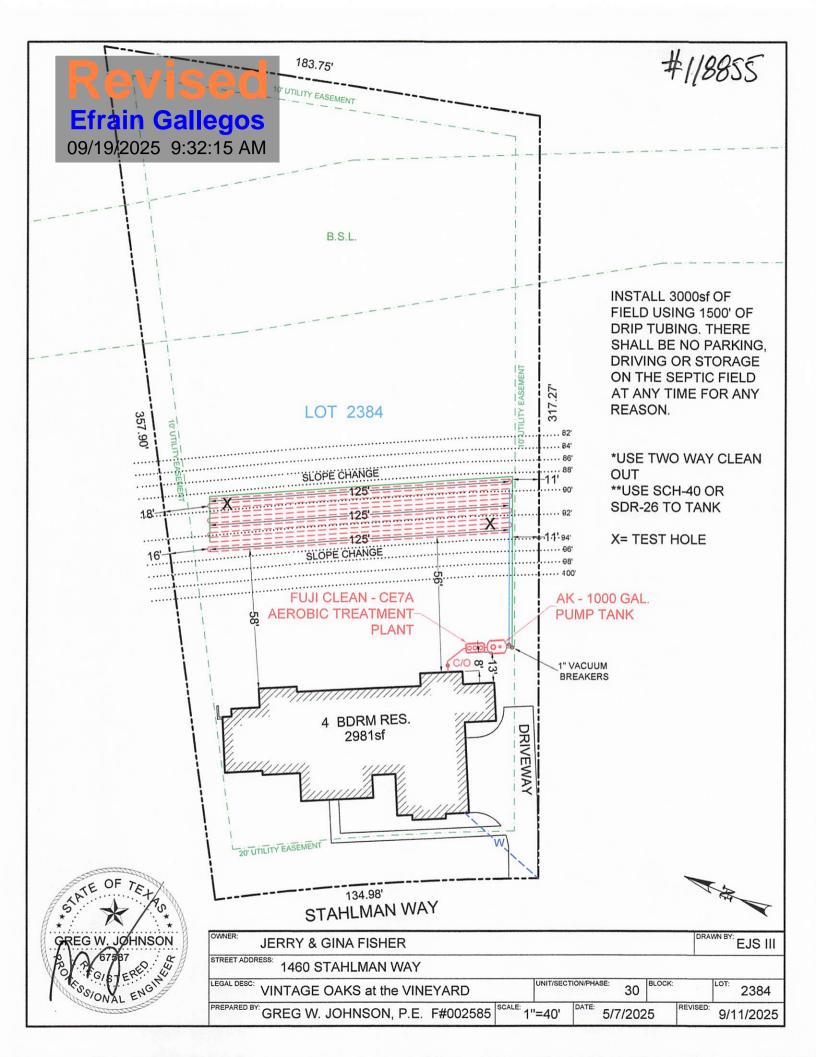
Greg W. Johnson, P.E. No. 67587 F# 2585

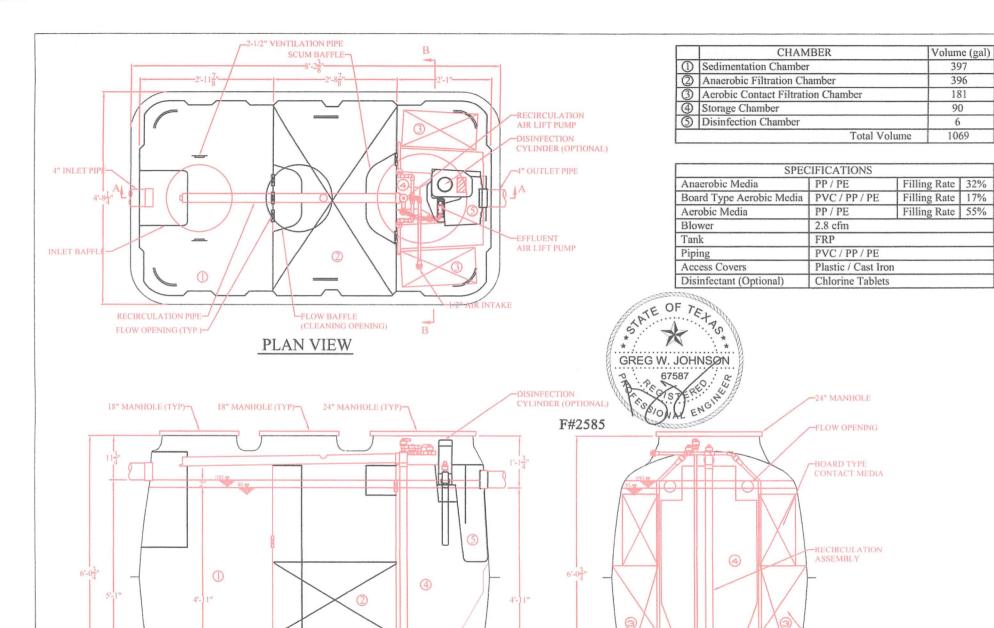
05/07/28

170 Hollow Oak

New Braunfels, Texas 78132 / 830/905-2778







SECTION A-A VIEW

SECTION B-B VIEW

FUJI CE7A 720 GPD Structural Drawing

-AEROBIC MEDIA

AERATION ASSEMBLY

DATE: 07/01/2014 | SCALE: 1/2" = 1"

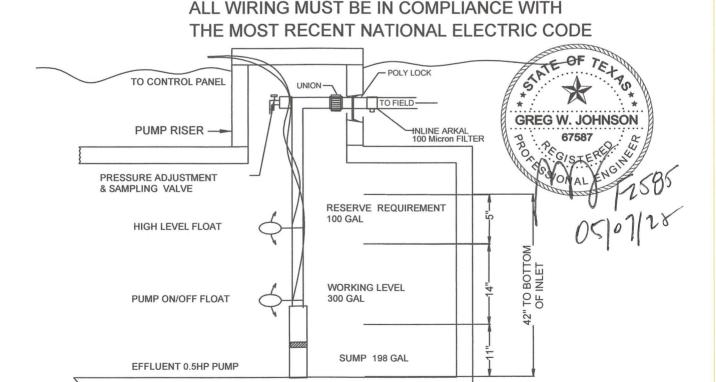
TANK NOTES:

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 AK750 GAL PUMP TANK

Arkal 1" Super Filter

Catalog No. 1102 0____

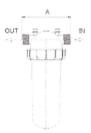
Features

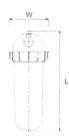
- A "T" shaped filter with two 1" male threads.
- A "T" volume filter for in-line installation on 1" pipelines.
- The filter prevents clogging due to its enlarged filtering area that collects sediments and particles.
- Manufactured entirely from fiber reinforced plastic.
- · A cylindrical column of grooved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



Technical Data

	1" BSPT (male)	1" NPT (male)
Inlet/outlet diameter	25.0 mm – nominal diameter	
	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
рН	5-11	5-11





Filtration Grades

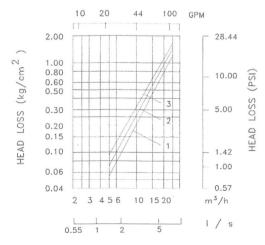
Blue (400 micron / 40 mesh) Yellow (200 micron / 80 mesh)

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:

Outlet

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

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

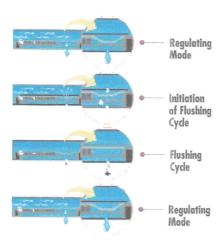
Model Numbers

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



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

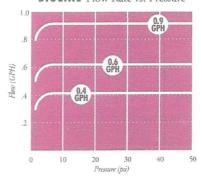
Inside diameter: .570*

Color: Purple tubing indicates non-potable

source

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

BIOLINE Flow Rate vs. Pressure





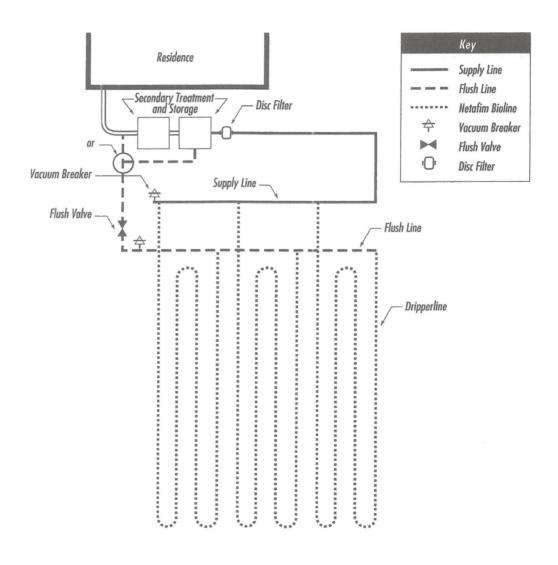
NETAFIM USA 5470 E. Home Ave. ● Fresno, CA 93727 888.638.2346 ● 559.453.6800 FAX 800.695.4753 www.netafimusa.com

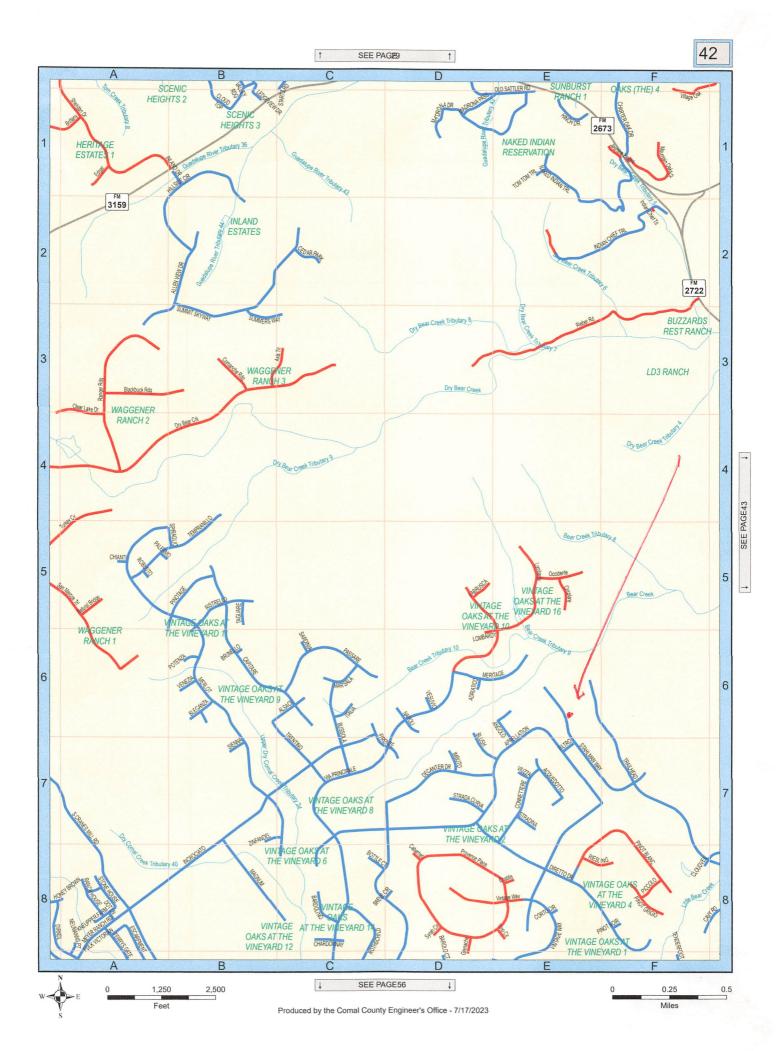
SAMPLE DESIGNS

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





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NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

GENERAL WARRANTY DEED

STATE OF TEXAS

KNOW ALL PERSONS BY THESE PRESENTS:

8 8 8 COUNTY OF COMAL

GRANTOR: SOUTHSTAR AT VINTAGE OAKS, LLC, a Texas limited liability company

2055 Central Plaza, Suite 100-Box 195

New Braunfels, Texas 78130

GRANTEE: JERRY FISHER and GINA FISHER

14211 Manderly Drive Houston, Texas 77077

That Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) cash and other good and valuable consideration to it in hand paid by Grantee, the receipt of which is hereby acknowledged and confessed has GRANTED, SOLD and CONVEYED, and by these presents does GRANT, SELL and CONVEY, unto the Grantee, the Property described herein to wit:

Lot 2384, VINTAGE OAKS AT THE VINEYARD, UNIT 30, a subdivision in Comal County, Texas, according to the map or plat thereof recorded under Document No. 202206006690 of the Map and Plat Records, Comal County, Texas (the "Property").

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereto in anyway belonging to Grantor, unto Grantee, its heirs and assigns forever; and Grantor does hereby bind itself, its heirs, successors and assigns, to WARRANT AND FOREVER DEFEND all and singular the Property unto the Grantee, its heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

THIS CONVEYANCE IS MADE AND ACCEPTED by Grantee SUBJECT TO (i) taxes for the year 2024, which have been prorated as of the date of closing, the payment of which Grantee assumes; (ii) all subsequent tax assessments for the current year, the payment of which Grantee assumes; (iii) all zoning laws, regulations and ordinances that affect the Property and (v) the Permitted Exceptions listed below:

The following restrictive covenants filed of record in Comal County, Texas: Document No. 202206006690 of the Map and Plat Records, Comal County, Texas; Document No(s). 200706000771, 200706018620. 201106044284. 201206016339, 201206032310, 201406032083, 201406037322, 201606000890, 201606003291, 201606020343, 201606034595, 20160648482, 201706008119, 201706014965, 201706028668, 201706038551, 201706050096, 201706050099, 201706050104, 201706050125, 201806013767, 201906041535, 202006018349, 202106046138, 202206000446, 202206007284, 202206012657, 202206053304, 202206053376, 202206053377, 202206053386, 202206053399, 202306002768 and 202306023082 of the Official Public Records, Comal County, Texas;

- b. Any portion of the Property lying within the boundaries of road or roadway whether dedicated or not
- c. All, leases, grants, exceptions or reservations of coal, lignite, oil, gas and other minerals, together with all rights, privileges, and immunities relating thereto, appearing in the Official Public Records whether listed herein or not.
- d. All leases, grants, exceptions or reservations of the geothermal energy and associated resources below the surface of the Property, together with all rights, privileges, and immunities relating thereto, appearing in the Public Records whether listed herein or not.
- e. Inundation Building Setback Line across the Property as shown the map or plat thereof recorded under Document No. 202206006690 of the Map and Plat Records, Comal County, Texas.
- f. 25-foot Building Setback Line along the front property line as shown the map or plat thereof recorded under Document No. 202206006690, Official Map and Plat Records, Comal County, Texas.
- g. An Easement is granted to Public Utilities being 20 feet along the road frontage of each lot and 10 feet along the side and back lot lines as referenced the map or plat thereof recorded under Document No. 202206006690 of the Map and Plat Records, Comal County, Texas.
- h. Maintenance Assessments as set out in instruments recorded in Document No(s). 200706000771, 201106044284, 201406032083, 201506012054, 201606003291 and 201706038551 of the Official Public Records, Comal County, Texas.
- i. Edwards Aquifer Protection Plan as provided in instrument recorded under Document No(s). 200806028296, 201406023164, 201606011941 and 202206001842 of the Official Public Records, Comal County, Texas.
- j. Temporary Waterline Easement reserved in Special Warranty Deed recorded in Document No. 201706027400 of the Official Records of Comal County, Texas..

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

EXECUTED effective this 10 day of October, 2024.

SOUTHSTAR AT VINTAGE OAKS, LLC, a Texas limited liability company

By:

Thad Rutherford,

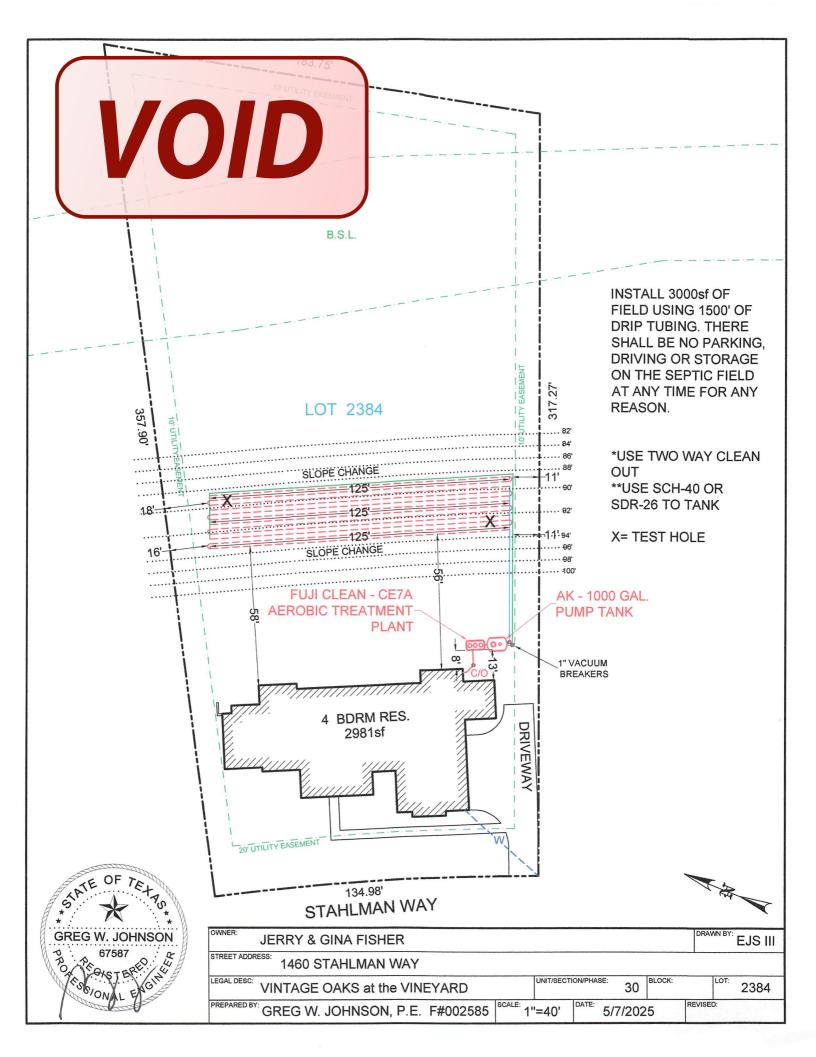
Senior Vice President-Operations

ACKNOWLEDGMENT

STATE OF TEXAS	§
COUNTY OFCOMAL	§ §
<u>UCober</u> , 2024, by	ed was acknowledged before me on theday of Thad Rutherford, Senior Vice President-Operations of LC, Grantor in the above instrument on behalf of said entity.
MIA DOMINGU Notery Public, State of Comm. Expires 01-2 Notary ID 128793	of Texas

Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 10/10/2024 02:48:58 PM TERRI 3 Pages(s) 202406030957









OSSF DEVELOPMENT APPLICATION CHECKLIST

MINI	ENGINEER'S OFFICE		Staf	ff will complete shaded items		
C. All					118855	
		,	Date Received	Initials	Permit Number	
	ark next to all items that apply		that do not apply, plac	e "N/A". This O	SSF Development Application	
OSSF Permit		.79				
Completed /	Application for Permit for Autl	horization to	Construct an On-Site	Sewage Facilit	y and License to Operate	
Site/Soil Eva	aluation Completed by a Cert	tified Site Ev	valuator or a Profession	nal Engineer		
	aterials of the OSSF as Requ design and all system specific		TCEQ Rules for OSSF	Chapter 285. I	Planning Materials shall consist	
Required Pe	ermit Fee - See Attached Fee	Schedule				
Copy of Rec	corded Deed					
Surface App	olication/Aerobic Treatment S	ystem				
Recor	rded Certification of OSSF Re	equiring Mai	ntenance/Affidavit to tl	ne Public		
Signe	d Maintenance Contract with	Effective Da	ate as Issuance of Lice	ense to Operate		
	ve provided all information impleted OSSF Developmen			ment Applicati	on and that this application	
7	80		07	7/15/20	25	
	Signature of Applicant		2 - v	D	ate	
Check No	_ COMPLETE APPLICATION	N .	—— (Mis		TE APPLICATION ed, Application Refeused)	