

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

Permit Number: 118890

Issued This Date: 10/24/2025

This permit is hereby given to:

James and Amy Schovajsa

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

375 IRON HILL

NEW BRAUNFELS, TX 78132

Subdivision: Vintage Oaks at the Vineyard

Unit: 25

Lot: 1952

Block: n/a

Acreage: 1.0100

#### APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic

Surface Irrigation

This permit gives permission for the construction of the above referenced on-site facility to commence. Installation must be completed by an installer holding a valid registration card from the Texas Commission on Environmental Quality (TCEQ). Installation and inspection must comply with current TCEQ and Comal County requirements.

Call (830) 608-2090 to schedule inspections.



L



## **OSSF DEVELOPMENT APPLICATION CHECKLIST**

Staff will complete shaded items

Initials

118890

Permit Number

Place	uctions: e a check mark next to all items that apply. For items that do not klist <b>must</b> accompany the completed application.	apply, place "N/A". This OSSF Development Application					
oss	F Permit						
X	Completed Application for Permit for Authorization to Construct	an On-Site Sewage Facility and License to Operate					
$\times$	Site/Soil Evaluation Completed by a Certified Site Evaluator or a	Professional Engineer					
	Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist of a scaled design and all system specifications.						
$\times$	Required Permit Fee - See Attached Fee Schedule						
$\times$	Copy of Recorded Deed						
$\times$	Surface Application/Aerobic Treatment System						
	Recorded Certification of OSSF Requiring Maintenance/A	ffidavit to the Public					
	Signed Maintenance Contract with Effective Date as Issua	ance of License to Operate					
	rm that I have provided all information required for my OSSI titutes a completed OSSF Development Application.	Development Application and that this application					
-	Signature of Applicant	Date					
	COMPLETE APPLICATION  Check No Receipt No	INCOMPLETE APPLICATION —— (Missing Items Circled, Application Refeused)					
		Bardand Ornton and 2010					

Date Received

Revised: September 2019



Signature of Owner

## ON-SITE SEWAGE FACILITY APPLICATION

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

Date 05/29/202	5		Permit Num	ber118	118890		
1. APPLICANT	/ AGENT INFORMATION						
Owner Name	James and Amy Schovajsa	Agent Name	John J. Haag,	P.E.			
Mailing Address	462 Curvatura	Agent Address	15831 Secret	Trails			
City, State, Zip	New Braunfels, Tx. 78132	City, State, Zip	San Antonio,	Tx. 78247			
Phone #	830-837-1620	Phone #	210-705-4268	210-705-4268			
Email	james.schovajsa@gmail.com	Email	jhaag@satx.rr	.com			
2. LOCATION							
Subdivision Nar	me Vintage Oaks at the Vineyard	U	Jnit 25	Lot 1952	Block		
Survey Name /	Abstract Number			Acreage	1.01		
Address 375 Iro	on Hill	City New Braunf	els	State Tx.	Zip 78132		
3. TYPE OF DE	VELOPMENT						
Single Far	mily Residential						
Type of C	Construction (House, Mobile, RV, Etc.) House			general in			
Number of	of Bedrooms 5						
Indicate S	6q Ft of Living Area _3,593						
Non-Singl	e Family Residential						
(Planning r	materials must show adequate land area for doubling	the required land nee	ded for treatmen	it units and disp	osal area)		
Type of F	acility						
Offices, F	actories, Churches, Schools, Parks, Etc Indic	ate Number Of Occ	upants				
Restaura	nts, Lounges, Theaters - Indicate Number of Se	ats					
Hotel, Mo	otel, Hospital, Nursing Home - Indicate Number	of Beds					
Travel Tra	ailer/RV Parks - Indicate Number of Spaces						
Miscellan	eous						
Estimated Co	est of Construction: \$ 350000	(Structure Only)		and you by contributions from the contribution of the second and the second of the sec			
	of the proposed OSSF located in the United St		Engineers (US	SACE) flowage	e easement?		
☐ Yes 🔀	No (If yes, owner must provide approval from USACE		-				
Source of Wa	(Anthonoram) provides and						
4. SIGNATURE	Sensonal temporal						
	oplication, I certify that:						
	application and all additional information submitted do at I am the property owner or I possess the appropria						
<ul> <li>Authorization is site/soil evaluation</li> </ul>	hereby given to the permitting authority and designat ion and inspection of private sewage facilities at a permit of authorization to construct will not be issu	1					
by the Comal C	ounty Flood Damage Prevention Order.						
- Lattirmatively co	onsent to the online posting/public release of my e-ma	all address associated	with this permit	application, as	аррисаріе.		



## **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 John J. Haag, P.E.							
System Description Proprietary surface spray disposal							
Size of Septic System Required Based on Planning Materials & Soil Evaluation							
Tank Size(s) (Gallons) 600 gpd Absorption/Application Area (Sq Ft) 5,625 min							
Gallons Per Day (As Per TCEQ Table III) 360  (Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ.)							
Is the property located over the Edwards Recharge Zone? X 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? X Yes 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 R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)							
Is this property within an incorporated city?							
If yes, indicate the city:							
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.							
ph Ming (5. 08/22/24							
Signature of Designer Date							

THE COUNTY OF COMAL

202506022999 07/24/2025 01:12:34 PM 1/1

STATE OF TEXAS

#### CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

The Texas Health and Safety Code, Chapter 366 authorizes the TCEQ to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives the TCEQ 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 TCEQ, under the authority of the TWC and the Texas Health and Safety Code, requires owners to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the TCEQ 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 TCEQ of the suitability of this OSSF, nor does it constitute any guarantee by the TCEQ 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):

Legal Description: Lot 1952, Vintage Oaks at the Vineyard, Unit 25

This property is owned by: James Schovajsa and Amy Schovajsa

This OSSF must be covered by a continuous maintenance contract for the first two years. After the initial two year service policy, the owner of an aerobic system for a single family residence shall either obtain a maintenance contract within 30 days or maintain the system personally.

The owner will, upon any sale or transfer of the above-described property, request a transfer of the permit for the OSSF to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from Comal County.

WITNESS BY HAND(S) ON THIS

Amy Schova(sa (Owner)

Filed and Recorded

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS

Official Public Records Bobbie Koepp, County Clerk

Sobbie Keepp

Alysse Ojeda Commission Expires 6/10/2029 Notary ID 133121138



### WASTEWATER TREATMENT SYSTEM MAINTENANCE CONTRACT

Customer		Residential	Initial Contract
James & Amy Schovajsa		<b>✓</b>	<b>V</b>
Site Address		Agency	
375 Iron Hill, New Braunfels, TX 78132		Comal County	
Email	Phone	Permit Number	
james.schovajsa@gmail.com	(830) 837-1620		
System Details			
Treatment: Aerobic /			
System Details	(830) 837-1620		

#### MAINTENANCE AGREEMENT

#### I. General:

This work for hire agreement (hereinafter referred to as "Agreement") is entered into by and between the Client and Luna Environmental, LLC (hereinafter referred to as "Contractor"), located at 9595 Ranch Rd 12 Suite #1, Wimberley, TX 78676. By this agreement, Contractor agrees to render services, as described herein, and Client agrees to fulfill his/her/their responsibilities under the agreement as described herein.

#### II. Dates & Fees:

This agreement commences upon receipt by the Contractor of notice <u>that the Local Regu</u> latory Agency has given								
nal approval of the installation (for a new or modified system), or on 6/10/2026 for an existing system,								
provided the Contractor has received payment in full of Fee(s) as agreed herein. The fees for this agreement are								
\$550.00 and shall be prepaid per the payment terms outlined herein.								

#### III. Renewal Terms:

The term of this Agreement is 2 year(s) but in no case shall the Fee to the Contractor be for less than one (1) year. This Agreement is non-expiring and automatically renews without need for signing of any additional document(s) – provided Client continues to timely pay the Fee(s) when due. Agreements paid monthly are paid using Contractor's system for automatic debit or automatic draft. Agreements that are prepaid will be invoiced by Contractor before the due date and must be timely paid by Client. If not timely paid before the due date, the Contractor has the right to terminate this Agreement.

#### IV. Services by Contractor:

- 1. Inspect and perform routine maintenance on the part with "On-Site Sewage Facility ("OSSF or "the system") in compliance with code, regulations, and/or rules of the Texas Commission on Environmental Quality ("TCEQ") and county in which the OSSF is located and the manufacturer's requirements, at a frequency of approximately once every four (4) months.
- 2. Inspection, adjustment, and servicing of the mechanical, electrical, and other components to ensure proper functioning. This includes inspecting control panels, air pumps, air filters, diffusers, floats, and spray heads.
- 3. Effluent Inspection will include the following: effluent quality (color, turbidity, overflow, and odor), testing effluent chlorine and pH levels, when necessary, alarm function, filters, operation of effluent pump and chlorinator. Unless otherwise agreed to, Contractor does not provide chlorine. BOD and TSS annually on commercial accounts, additional charges apply.
- 4. Notify Client of any repairs needed to keep OSSF in proper working condition and up to regulatory standards. Items under warranty may be repaired while the technician is on-site. Replacement, Replenishment, and

- Repairs are additional services not covered by the Fee. Regarding all such work, Contractor shall abide by Client's election in Section V of this agreement.
- 5. Report to the appropriate regulatory agency and to Client, as required by the State of Texas' on-site rules and, if required, TCEQ or County rules. All findings must be reported to the appropriate regulatory agency within 14 days.
- 6. Visit site within 48 hours of a service request.
- 7. Provide Customer Support line at (855) 560-9909

#### V. Client Responsibilities:

- Maintain a current License to Operate and abide by the conditions and limitations of that license and all
  requirements for OSSF from the State and Local Regulatory Agency as well as manufacturer's recommendations.
- 2. Maintain disinfection unit and at all times provide proper and adequate chlorine supply or operating disinfection component, if OSSF is equipped with same.
- 3. Provide all necessary site, yard, or lawn maintenance and removal of obstacles, including dogs and other animals, as needed to allow the system and its components to function properly and to allow Contractor safe and easy access to all parts of the system and its components.
- 4. Maintain site drainage to prevent adverse effects on OSSF.
- 5. Provide for pumping of tanks, when and as suggested by Contractor, at Client's own expense. Typically, every 3 years.
- 6. Do not exceed the system's physical, hydraulic, or biological limitations
- 7. Notify Contractor within 24 hours of the occurrence of any and all alarms or problems with any component or with the system.
- 8. Be available by text, phone, or in person when the Contractor is on-site in case of required repair approvals or questions.
- 9. Promptly pay Contractor's bills, fees, and invoices in full.
- 10. Elect one of the following: Authorized

**Yes, I authorize.** If during the Contractor's time of the maintenance check any component of the system is found to need replacement, replenishment, or repair, then Client authorizes Contractor to perform the service per the above and bill or charge the Client for such additional services without further approval by Client so long as the service is \$150 or less and the Contractor has the necessary materials to perform the replacement, replenishment, or repair.

**No, I do not authorize.** If, during the Contractor's maintenance check, any component of the system is found to be in need of replacement, replenishment, or repair, Contractor will notify Client of repairs needed and, where feasible, provide an estimate of costs. No replacement, replenishment, or repairs will be performed without express approval of Client. Additional Service fees will apply for return visits to perform repairs.

#### VI. Authority

In signing this Agreement, the Client: (1) hereby affirms ownership to the Property as well as the OSSF that is the subject of this Agreement. (2) represents that he/she has authority to permit Contractor's entry upon property to monitor, service, or repair and agrees to hold Contractor and its agents harmless for entry upon such real property for these purposes, and (3) represents to have the authority to bind all owners of the property to the terms of this agreement, or to accept personal responsibility for these terms.

#### **VII. Access By Contractor**

Contractor is hereby granted access to the system and all related components for the purposes of performing the Services or Additional Services. Unless other arrangements have been made in advance in writing, Contractor's personnel may enter the property at reasonable times without any form of notice for the purpose of performing the Services or Additional Services. Contractor will require free, unrestricted access to the system and related components for the purpose of performing all work. If upon arrival at the site, Contractor determines that access is prevented, blocked, or restricted, Contractor is not required to perform any of the steps, and will be credited with completion of that maintenance check. Additional maintenance checks to complete the Services shall be billed to Client as an Additional Service.

#### **VIII. Payment Terms:**

The fee for this agreement only covers the services described herein. This fee does not cover equipment or labor for non-warranty repairs, labor for warranty repairs, or service charges resulting from unscheduled, Client requested trips to the Client's OSSF. Payments not received within 30 days from the date of invoicing will be subject to a \$30.00 late penalty and or a 1.5% monthly carrying charge, whichever is greater. By signing this contract, the Client authorizes the Contractor to remove any parts which were installed but not paid for at the end of 30 days. The Client is still responsible for any labor costs associated with the installation and removal of said parts. All invoices are due upon receipt by Client. Under no condition shall prepayment of Fee, or the sum of monthly payments of Fee, be for less than **a one-year** term. After **2 year(s)**, prepaid agreements (other than monthly) may be prorated using monthly increments, less other charges as discussed elsewhere in this Agreement.

#### IX. Application or Transfer of Payment:

The Fee paid for this Agreement may transfer to the subsequent owner(s), however, this Agreement will not transfer. Client will advise subsequent owner(s) of the regulatory requirement for a replacement Agreement. Regulations require that replacement Agreements be signed and received within 30 days of transfer of ownership. Contractor will apply all funds received from Client first to any past-due obligations arising from this Agreement including late charges, returned check charges, and charges for repairs or services not paid within 10 days of invoicing. Unpaid balances on Client's account may lead to the extension of the monthly drafting or debiting program, if applicable, to complete payment of Client's account balance(s).

#### X. Termination of Agreement:

After a minimum of **2 year(s)**, in order to provide sufficient time to comply with the regulatory requirement for notices from the Contractor to the Local Regulatory Agency, this Agreement may be terminated for any reason by either party with a minimum 30 day written notice, without fault of the terminating party. Contractor shall be due a Fee equal to at least the first year and may also deduct for any other work performed by Contractor but not yet paid by Client, whether invoiced prior to termination or not. Contractor will notify the appropriate Local Regulatory Agency of this termination.

#### XI. Limitation of Liability:

In no event shall the Contractor be liable for indirect, consequential, incidental, or punitive damages, whether in contract, tort, or any other theory of liability. In no event shall the Contractor's liability for the direct damages exceed payments by the Client under this agreement.

#### XII. Severability:

If any provision of this agreement shall be held to be invalid or unenforceable for any reason the remaining provisions shall continue to be held valid and enforceable. If a court finds that any provision of this agreement is invalid or unenforceable, 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.

James & Amy Schovajsa	Luna Environmental / Logan Leppo
Signed by: Customer Name	Signed by: Maintenance Provider Name  License # MP0002494
Customer Signature	Maintenance Provider Signature
Additional Comments / Special Terms	

15831 Secret Trails • San Antonio, Texas 78247 • Tel: (210) 705-4268 • Email: jhaagpe@gmail.com

May 29, 2025

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

RE: Water Pollution Abatement Plan

Lot 1952, Vintage Oaks at the Vineyard, Unit 25

Dear Brenda:

The referenced property is located within the Edwards Aquifer Recharge Zone. This On-Site Sewage Facility (OSSF) design will comply with the requirements in the Water Pollution Abatement Plan (WPAP).

Temporary erosion and sedimentation controls shall be utilized as necessary prior to construction. If any recharge feature (caves, solution cavities, sink holes, etc.) is discovered during OSSF construction, all regulated activities near the feature shall be suspended immediately and the owner shall immediately notify the appropriate Texas Commission on Environmental Quality (TCEQ) regional office of the discovery of the feature. After that, regulated activities shall not proceed near the feature until the permitting authority, in conjunction with the regional TCEQ office, has reviewed and approved an approved plan proposed to protect the feature, the structural integrity of the OSSF and the water quality of the Edwards aquifer.

Designed in accordance with TCEQ Chapter 285, Subchapter D, §285.40, 285.41 and 285.42 (effective March 2013).

Sincerely,

JOHN J. HAAG

3. 90158

3. /CENSE ONAL ENGLY

J. LLUM, P.L.

05/29/2025

Haag Engineering Consultants, LLC

Firm No.: F-5789

# ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

# OWNER INFORMATION Property Owner's Full Legal Name: James and Amy Schovajsa

2. PROPERTY INFORMATION							
City: New Bra	City: New Braunfels Zip Code: 78132						
Legal Descrip	tion:						
Lot: 1952	Block:	Subdivision: Vintage Oaks at t	he Vineyard	Unit: 25	Phase:		
If not located in subdivision: Survey:							
	Abstract: Recorded (Vol/Pg):						

3. SITE EVALUATION INFORMATION:	
Name of Site Evaluator: John J. Haag	PE #: 90158
Date Performed: 05/12/2025	Proposed Excavation Depth: Surface

#### 4. REQUIREMENTS:

- At least two soil evaluations must be performed on the site at opposite ends of the proposed disposal area. Locations of soil evaluations must be shown on the application site drawing or designer's site drawing.
- For subsurface disposal, soil evaluations must be performed to a depth of at least 2 feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Soil Profile Hole Number: 1							
			Drainage				
Depth	Textural	Gravel	(Mottles/Water	Restrictive	Observations		
(ft.)	Class	Analysis	Table)	Horizon			
0	IV	<30%	No	Yes	Limestone @ surface		
1							
2							
3							
4							
5							

# ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

Soil Profile Hole Number: 2							
			Drainage				
Depth	Textural	Gravel	(Mottles/Water	Restrictive	Observations		
(ft.)	Class	Analysis	Table)	Horizon			
0	III	<30%	No	Yes	Limestone @ surface		
1							
2							
3							
4							
5							

#### 5. FEATURES OF SITE AREA:

Presence of 100 year flood zone:	☐ Yes	⊠ No
Presence of adjacent ponds, streams or water impoundments	$\square$ Yes	⊠ No
Existing or proposed water well in nearby area	$\square$ Yes	⊠ No
Organized sewage available to lot or tract	☐ Yes	⊠ No
Recharge features within 150 feet	$\square$ Yes	oxtimes No (none found)

**6.** I certify that the above statements are true and correct and are based on my own field observations.



05/12/2025

Haag Engineering Consultants, LLC

Firm: F-5789

#### Aerobic With Surface Disposal

by Felix I. Bernal, P.E. (c) 2002 - 2013

SITE EVALUATION PERFORMED ON:

12-May-25

by

John J. Haag, P.E.

Date: 05/29/25

APPLICANT: Amy Schovajsa

MAILING ADDRESS:

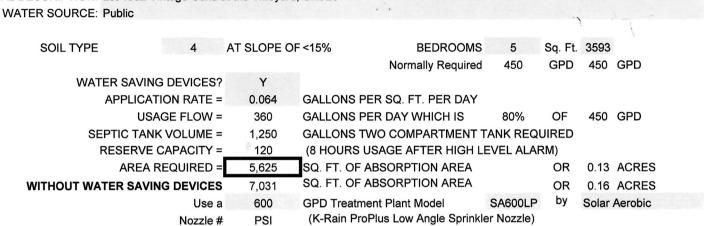
CITY, ST, ZIP

CONTRACTOR

SITE ADDRESS: 375 Iron Hill

CITY, ST, ZIP New Braunfels, Tx. 78132

LEGAL DESCRIPTION: Lot 1952 Vintage Oaks at the Vineyard, Unit 25



PSI WITH A GPM/ SPRINKLER WITH A TOTAL OF 6.8 GPM FOR THE SYSTEM

30

360

#### AREA COVERED BY PROPOSED SPRINKLER HEADS

31

AREA PER SPRINKLER =

**FOOT RADIUS AND 3.4** 

3,019 sf

150 C (HAZEN-WILLIAMS) INCH SCH-40 PURPLE PIPE LINEAR FEET OF DISTRIBUTION = 142.0 FT. OF 1 SPACE BETWEEN SPRINKLER HEADS = FOR A DOSE TIME OF 53 MINUTES **SPRINKLERS** 

WITH ANGLE OF DISTRIBUTION =

(Note: 0.4335= 62.424/144 for water at 39.2°F)

OF ABSORPTION AREA							
SPRINKLERS	LENGTH OF PIPE	Dist. Angle	Flow GPM	Q GPM	Hf ft of head	Area	
2	80 FT	360	3.4	6.800	2.69	3019.0	
1	62 FT	360	3.4	3.400	0.58	3019.0	
0			0	0.000	0.00	0.0	
0			0	0.000	0.00	0.0	
0			0	0.000	0.00	0.0	
0			0	0.000	0.00	0.0	
0			0	0.000	0.00	0.0	
0			0	0.000	0.00	0.0	
0			0	0.000	0.00	0.0	
0_			0	0.000	0.00	0.0	_
SUM=	142 feet of pipe		6.800		3.27 ft of head	6038.0 sf	Provided

fittings factor 1.20

3.92 ft of head

Hf for Dist Line 4.7783147 ft of head

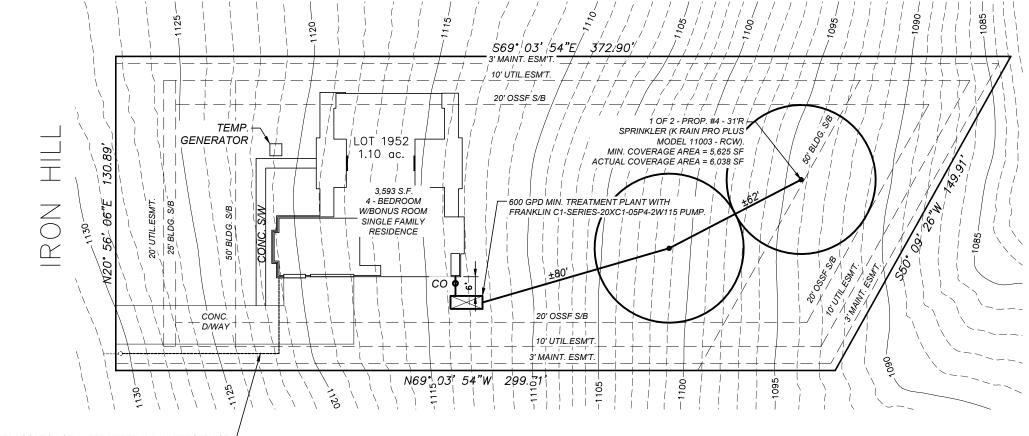
69.20 ft of head 30.00 psi divided by 0.4335 = elevation difference -13.00 ft of head head required for sprinkling 64.91 ft of head

pressure required for sprinkling 28.14 psi

#### **GENERAL NOTES:**

- NO VEHICULAR TRAFFIC IS ALLOWED ON ANY PORTION OF THE DISPOSAL SYSTEM, UNLESS THE DESIGN SPECIFIES OTHERWISE.
- 2. PIPE ALIGNMENT TO THE DISPOSAL BEDS MAY BE ALTERED AS REQUIRED. ANY CHANGE FROM THE PLANS MUST BE APPROVED BY THE ENGINEER AND THE APPROPRIATE GOVERNMENTAL AGENCY(IES).
- CONTRACTOR SHALL PROTECT TREES WHICH ARE NOT IN THE EXCAVATED CONSTRUCTION AREAS. CONTRACTOR SHALL MINIMIZE ROOT DAMAGE AND REASONABLY ADHERE TO THE DESIGN.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING A MINIMUM OF 1/4" PER FOOT OF FALL FROM THE BUILDING TO THE SEPTIC TANK
- 5. NO AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED OVER THE DISPOSAL AREAS. ANY WATERING IN THESE AREAS SHALL BE DONE BY HAND AND ONLY WHEN REQUIRED TO MAINTAIN GRASS COVER.
- ALL CONSTRUCTION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE APPROPRIATE AUTHORITY - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND ANY APPLICABLE LOCAL BUILDING AND
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS SYSTEM
- SPRAY APPLICATION AREAS SHALL BE COVERED WITH PERENNIAL GRASSES TO TAKE ADVANTAGE OF TRANSPIRATION. IF GRASSES ARE USED WHICH HAVE DORMANT PERIODS, STEPS SHOULD BE TAKEN TO PROVIDE SOME TYPE OF VEGETATION ON THE BEDS DURING THESE PERIODS.
- 8.1. RECOMMENDED COVERAGE:
- 8.1.1. BERMUDA: 1 LB/1000 S.F.
- 8.1.2. RYE: 10 LB/1000 S.F. 8.1.3. OR ST. AUGUSTINE SOD
- SPRAY APPLICATION AREAS MUST BE MOWED AT REGULAR INTERVALS. FAILURE TO PROPERLY MAINTAIN VEGETATIVE COVER MAY RESULT IN SYSTEM FAILURE AND SHALL BE THE RESPONSIBILITY OF THE OWNER
- 10 ALL PIPES SHALL BE SCHEDULE 40 PVC OR APPROVED EQUAL LINLESS. NOTED OTHERWISE. ALL JOINTS SHALL BE CLEANED WITH THE APPROPRIATE SOLVENT AND GLUED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- 11. ALL POTABLE WATER LINES SHALL BE A MINIMUM OF 10 FEET FROM ANY DISPOSAL SYSTEM OR SEWERAGE PIPE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WATER LINES LESS THAN 10 FEET FROM THE DISPOSAL
- 12. HIGH WATER ALARM SHALL BE LOCATED IN A NOTICEABLE LOCATION. THE ALARM SHALL BE A VISUAL AND AUDIBLE ALARM AND WIRED ON A SEPARATE CIRCUIT FROM THE PUMPS. ALL EXTERIOR CONTROLS AND CONNECTIONS SHALL BE ENCLOSED IN A WEATHER-PROOF HOUSING. ELECTRICAL CONSTRUCTION SHALL COMPLY WITH ALL LOCAL ELECTRICAL AND BUILDING CODES.
- NO EXCAVATION IS PERMITTED NEAR THE DISPOSAL AREAS THAT WILL RESULT IN THE NONCOMPLIANCE OF APPLICABLE SETBACKS STATED IN THE RULES AND REGULATIONS OF THE APPROPRIATE AUTHORITY.

  14. ONLY GOOD QUALITY SANDY LOAM SHALL BE APPLIED OVER THE
- DISPOSAL AREAS. CLAY LOAM IS UNACCEPTABLE AND WILL CAUSE SYSTEM FAILURE. SANDY LOAM SHALL BE DEFINED AS SHOWN IN TABLE VI (USDA SOIL TEXTURAL CLASSIFICATIONS) OF THE RULES AND REGULATIONS OF THE TCEQ THE INSTALLER IS RESPONSIBLE FOR VERIFYING THE QUALITY OF EACH LOAD OF LOAM PLACED ON THE SYSTEM.
- 15. STORM WATER (RAINFALL RUNOFF) SHOULD NOT BE ALLOWED TO FLOW OVER THE DISPOSAL FIELDS OR THE TANKS. DIVERSION BERMS, SWALES AND/OR RAIN GUTTERS SHOULD BE INSTALLED AS NECESSARY TO PREVENT SUCH RUNOFF.
- THE CONTRACTOR IS RESPONSIBLE FOR STAKING AND VERIFYING THE GRADES PRIOR TO EXCAVATION. ANY DISCREPANCIES OF MORE THAN 6 INCHES SHALL BE REPORTED TO THE ENGINEER PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS WITHOUT THE WRITTEN CONSENT OF THE APPROPRIATE AUTHORITY AND THE ENGINEER.
- THIS DISPOSAL SYSTEM HAS BEEN DESIGNED TO OPERATE PROPERLY AT SPECIFICATIONS NOTED IN THESE PLANS. ALTERATIONS TO THE SYSTEM BY THE OWNER, INCLUDING BUT NOT LIMITED TO LANDSCAPING, DRAINAGE, BUILDING AND/OR WATER USAGE, MAY CAUSE PREMATURE FAILURE AND SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER.
- 18. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLUMBING FIXTURES ARE CONNECTED TO THE DESIGNATED SEPTIC TANK(S). LOW FLOW TOILETS (1.6 GAL), SHOWERHEADS AND FAUCETS SHALL BE USED IN THE
- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY AND PROTECTION OF THE PUBLIC FROM INJURY DURING CONSTRUCTION. THE OWNER SHALL BE RESPONSIBLE FOR THE PREVENTION OF PERSONAL INJURY TO ANYONE ON OR NEAR THE DISPOSAL SYSTEM.
- 20. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL TANKS HAVE ADEQUATE STRENGTH AND INTEGRITY TO PERFORM SATISFACTORILY
- 21. THE WASTEWATER FLOW TO THE SEPTIC SYSTEM SHALL NOT EXCEED THE DESIGN FLOW SHOWN ON THIS PLAN.



ASSUMED LOCATION OF WATER METER AND WATER SERVICE -LINE ALIGNMENT FROM METER TO HOUSE. NOTE: WATER SERVICE LINE SHALL BE SLEEVED WITH SCH. 40 PVC WHEREVER IT IS 10' OR CLOSER TO PROPOSED OSSF DISPOSAL AREA LIMITS AND/OR ANY SYSTEM COMPONENT(S) EXCEEDS TAC 30 CHAPTER 290.44(e)

SOLAR AEROBIC SA600-768LP PUMP FLOAT SETTINGS FOR MIN. 360 GPD AND MIN. 120 GAL RESERVE:

PUMP OFF POSITION: 9.70" ABOVE TANK BOTTOM (±178.6 GAL) PUMP ON POSITION: 28.9" ABOVE TANK BOTTOM (±538.6 GAL) ALARM ON POSITION: 35.24" ABOVE TANK BOTTOM (±658.6 GAL)

120 GAL RESERVE CAPACITY AT APPROX. 41.5" ABOVE TANK BOTTOM.

#### SLOPE NOTE:

INSTALLER SHALL CUT OR FILL EXIST. GROUND WITHIN SPRAY DISPOSAL LIMITS SO THAT TOP OF FINISHED GROUND SLOPES WITHIN SAID LIMITS DO NOT EXCEED 15%.

WATER POLLUTION ABATEMENT PLAN (WPAP) NOTES:

- THIS SITE IS WITHIN THE EDWARDS AQUIFER RECHARGE ZONE;
- ALL OSSF CONSTRUCTION SHALL FOLLOW ANY ADDITIONAL REQUIREMENTS SPECIFED IN THE TCEQ APPROVED WPAP(S) FOR THIS SUBDIVISION AND THE WPAP LETTER THAT WAS INCLUDED AS PART OF THE APPROVED OSSF PERMIT FOR THIS PROJECT

DESIGN DAILY WASTEWATER FLOW = 360 GPD (WATER SAVING DEVICES

WERE ASSUMED FOR SEPTIC SYSTEM DESIGN)

- TOPOGRAPHIC DATA SOURCE: FEMA 2011 DATA
- HOUSE LOCATION SAME/SIMILAR TO SITE PLAN LOCATION PER CLIENT. THE OSSF INSTALLER SHALL FIELD VERIFY ALL PROPERTY LINE LOCATIONS THAT THIS DESIGN REFERENCES PRIOR TO ANY OSSF INSTALLATIONS.

NOTE: OSSF IS WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AND IS NOT IN THE FEMA 100 YEAR FLOODPLAIN. SITE EVALUATION BY JOHN J. HAAG, P.E. ON 05/12/2025

DRAWN BY: JJH CHECKED BY: JJH DATE: 07/10/25 JOB NO. JSCHOV25002



15831 SECRET TRAILS SAN ANTONIO, TEXAS 78247 FIRM: F-5789

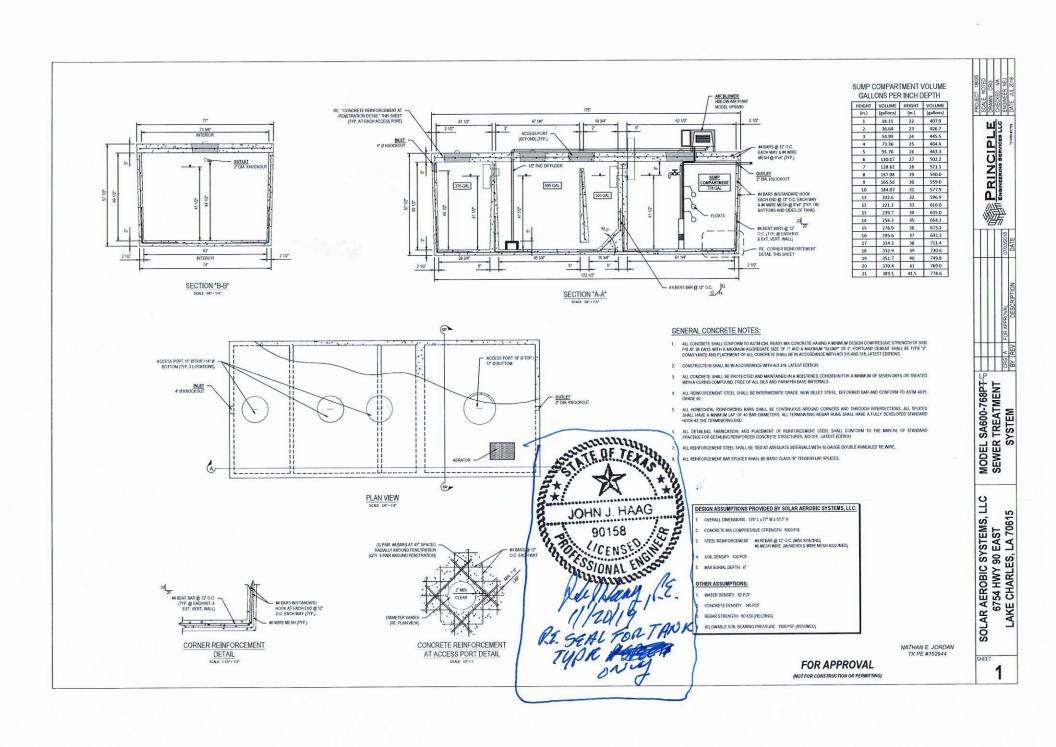
1'' = 40'

TEL: (210) 705-4268

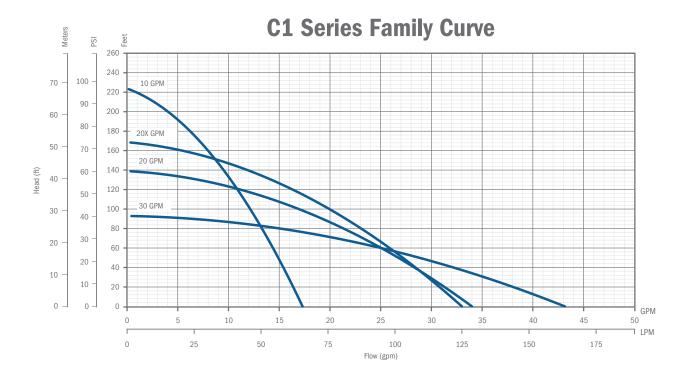
JOHN J. HAAG

SHEET 1 OF 1 C) COPYRIGHT 2025 HAAG ENGINEERING CONSULTANTS. LLC: ALL RIGHTS RESERVED

PRELIMINARY SITE LAYOUT PLAN LOT 1952, IRON HILL **VINTAGE OAKS AT THE VINEYARD, UNIT 25** COMAL COUNTY, TEXAS







## **FEATURES**

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

## **APPLICATIONS**

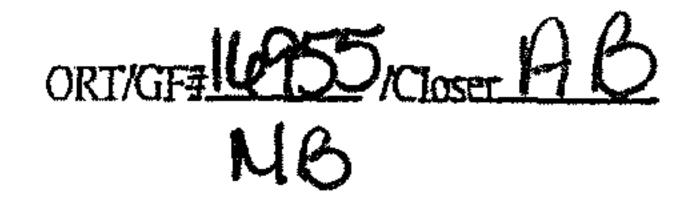
- Gray water pumping
- Filtered effluent service water pumping
- Water reclamation projects such as pumping from rain catchment basins
- Aeration and other foundation or pond applications
- Agriculture and livestock water pumping

# ORDERING INFORMATION

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

Note: All units have 10 foot long SJOOW leads.





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

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

§

THAT TALIA P. WOODS and husband, CARLOUS O. WOODS, hereinafter called Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) cash and other good and valuable consideration in hand paid by JAMES SCHOVAJSA and wife, AMY SCHOVAJSA, hereinafter called Grantee, the receipt and sufficiency of which is hereby acknowledged;

HAS GRANTED, SOLD and CONVEYED, and by these presents does GRANT, SELL and CONVEY unto the said Grantee the following described property situated in Comal County, Texas, to-wit:

Lot 1952, VINTAGE OAKS AT THE VINEYARD, UNIT 25, Comal County, Texas, according to the map or plat thereof recorded in Document No. 201906013327, Map and Plat Records of Comal County, Texas.

This conveyance is made subject to, all and singular, the restrictions, conditions, easements, and covenants, if any, applicable to and enforceable against the above described property as reflected by the records of the County Clerk of Comal County, Texas.

Taxes for the current year have been prorated and are thereafter assumed by Grantee.

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 Grantee, Grantee's heirs, executors, administrators, successors, or assigns forever.

Grantor does hereby bind Grantor, Grantor's heirs, executors, administrators, and successors to warrant and forever defend, all and singular, the said premises unto the said Grantee, Grantee's heirs, executors, administrators, successors, and assigns against any person whomsoever claiming or to claim the same or any part thereof.

DATED this the  $\frac{15}{7}$  day of April, 2025.

TALIA P. WOODS

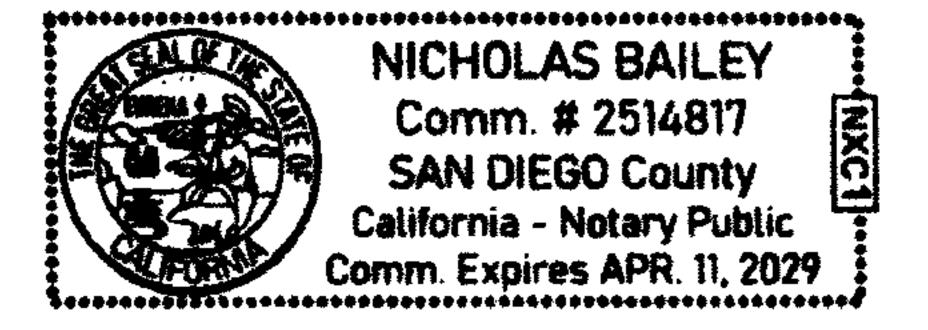
CARLOUS O. WOODS

STATE OF <u>CALIFORNIA</u>
COUNTY OF <u>SAN DIEGO</u>

88

This instrument was acknowledged before me on this the  $\frac{17TH}{2}$  day of April, 2025, by TALIA P. WOODS.

Nurholas Railey



Taxes for the current year have been prorated and are thereafter assumed by Grantee.

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 Grantee, Grantee's heirs, executors, administrators, successors, or assigns forever.

Grantor does hereby bind Grantor, Grantor's heirs, executors, administrators, and successors to warrant and forever defend, all and singular, the said premises unto the said Grantee, Grantee's heirs, executors, administrators, successors, and assigns against any person whomsoever claiming or to claim the same or any part thereof.

DATED this the \( \) \( \) day of April, 2025.

	TALIA P. WOODS  CARLOUS O. WOODS	04/15/202
STATE OFCOUNTY OF	§ §	
This instrument was a by TALIA P. WOODS.	acknowledged before me on this the	day of April, 2025,

# Notary Public, State of Texas

STATE			§ §		
7	his instrument was ac	knowledge	t before me o	n this the	day of April, 2025,
by CAR	LOUS O. WOODS.				
				SEE ATTACHED CALIF	ORNIA ACKNOWLEDGEMENT
			Notary Public	, State of Texa	S
GRANT	EE'S MAILING ADDRES				
462 Cur New Bra	vatura aunfels, TX 78132				

3151.deeds Old Republic Title (AH) GF #16955NB

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.	
State of California and ICO County of	
Subscribed and sworn to (or affirmed) before me on this	
person(s) who appeared before me.  BLANCA L. AVILA COMM. #2477587 COMM. #2477587 NOTARY PUBLIC-CALIFORNIA SAN DIEGO COUNTY Ny Commission Expires DECEMBER 26, 2027	
(Seal) Signature Signature	5

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
04/21/2025 08:33:14 AM
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