

COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date:

09/05/2023

Permit Number:

114177

Location Description:

412 MCKINNEY WAY

FISCHER, TX 78623

Subdivision:

Legends at Rancho Del Lago

Unit:

102

Lot: Block:

0

Acreage:

1.1400

Type of System:

Aerobic

Surface Irrigation

Issued to:

Mike & Laurie Hurley

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Commission on Environmental Quality.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Alterations to this permit including, but not limited to:

- Increase in the square feet of living area
- Increase in the number of bedrooms
- A change of use (i.e. residential to commercial)
- Relocation of system components (including the relocation of spray heads)
- Installation of landscaping
- Adding new structures to the system

may require a new permit. It is the responsibility of the owner to apply for a new permit, if applicable.

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority

Comal County Environmental Health

Assistant

OS0038255

ENVIRONMENTAL HEALTH COORDINATOR

Installer Name:	OSSF Installer #:	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)(G)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

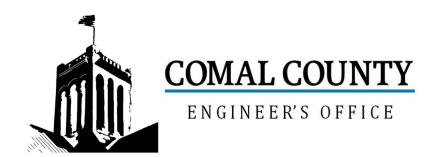
Inspector Notes:

AL.	Di-si	Δ	Citation	N-4	1,41,	2	2
No.	Description SEPTIC TANK Tank(s) Clearly	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	Marked SEPTIC TANK If SingleTank, 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) (D)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)				
9	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)				
11	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						
12	Installed						
	PUMP TANK Volume Installed						
13	AEROBIC TREATMENT UNIT Size						
14							
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
16	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)				

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

	Г			- T		I	I
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.						
	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						
37	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: 114177

Issued This Date: 03/10/2022

This permit is hereby given to: Mike & Laurie Hurley

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

412 MCKINNEY WAY

FISCHER, TX 78623

Subdivision: Legends at Rancho Del Lago

Unit: 1

Lot: 102

Block: 0

Acreage: 1.1400

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 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

	The state of the s			
Date <u>02/22/202</u>	22		Permit Nu	mber //4/77
1. APPLICANT	/ AGENT INFORMATION			
Owner Name	Mike and Laurie Hurley	Agent Name	Wade Clou	d
Mailing Addres	ss 12607 Carriage Dove	Agent Address	PO Box 22	88
City, State, Zip	San Antonio TX 78249	City, State, Zip	Boeme, TX	X 78006
Phone #	210 394 1851	Phone #	210.385.63	396
Email	mhurley1206@att.net	Email	wade@lon	estaras.com
2. LOCATION				
Subdivision Na	ame Legends at Rancho Del Lago	U	Init <u>01</u>	Lot-942 102 Block
Survey Name /	/ Abstract Number			Acreage 1.14
	/lcKinney Way			State TX Zip 78623
3. TYPE OF DI	EVELOPMENT			
Single Fa	amily Residential			
Type of	Construction (House, Mobile, RV, Etc.) House			
Number	of Bedrooms 4			
Indicate	Sq Ft of Living Area 2000			
Non-Sing	gle Family Residential			
(Planning	materials must show adequate land area for doubling	ng the required land nee	ded for treatme	ent units and disposal area)
Type of I	Facility			
Offices,	Factories, Churches, Schools, Parks, Etc Inc	dicate Number Of Occ	upants	
Restaura	ants, Lounges, Theaters - Indicate Number of S	Seats		
	otel, Hospital, Nursing Home - Indicate Numbe			
	railer/RV Parks - Indicate Number of Spaces			
Miscella	neous			
Estimated C	ost of Construction: \$ 275,000	(Structure Only)		
Is any portio	n of the proposed OSSF located in the United	States Army Corps of	Engineers (L	JSACE) flowage easement?
Yes X	No (If yes, owner must provide approval from USAC	E for proposed OSSF impro	ovements within	the USACE flowage easement)
Source of Wa	ater Public Private Well			
4. SIGNATURI	E OF OWNER			
 The completed facts. I certify t property. Authorization is site/soil evalua I understand th 	application, I certify that: I application and all additional information submitted that I am the property owner or I possess the appropriate the property owner or I possess the appropriation and inspection of private sewage facilities and a permit of authorization to construct will not be is	oriate land rights necessariated agents to enter upon	ary to make the	e permitted improvements on said escribed property for the purpose
	County Flood Damage Prevention Order. consent to the online posting/public release of my e-	mail address associated	with this perm	it application, as applicable.

02/22/2022

* * * COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH * * * <u>APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN</u> <u>ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE</u>

Planning Materials & Site Evaluation as Required Completed By Wade A. Cloud, R.S.
System Description Aerobic Treatment, Surface Application
Size of Septic System Required Based on Planning Materials & Soil Evaluation
Tank Size(s) (Gallons) NuWater B-550, 600 GPD Absorption/Application Area (Sq Ft) 4687.5, Actual 4825.49
Gallons Per Day (As Per TCEQ Table III) 300
(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? ☐ 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
(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)
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 the property located over the Edwards Contributing Zone? Yes No No No
Is there an existing TCEQ approval CZP for the property? ☐ 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.)
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
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 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? 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? 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? 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? 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? Yes No

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.

Signature of Designer

Date

Page 2 of 2

AFFIDAVIT TO THE PUBLIC

THE COUNTY OF COMAL STATE OF TEXAS



202206009787 03/01/2022 12:02:44 PM 1/1

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Commission on Environmental Quality Rules for On-Site Sewage Facilities, this document is filed in the Deed Records of Comal 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 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 deed recording. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This deed certification 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.

the suitability of this cool	, 1101 4000 11 001	istitute arry Buarante	c by the roll that the t	appropriate coor v	vas motanea.
		11			
An OSSF requiring a main property described as (in	sert legal descrip	otion):			installed on the
Lot 102 Block	_Subdivision	Legends at F	Rancho Del Lago	Unit/Phase/S	Section_1
If not in Subdivision	:Acres		1.14		Survey
The property is owned by	(insert owner's	full name):	Mike and Lau	urie Hurley	
This OSSF must be cover policy, the owner of an ac within 30 days or maintai	robic treatment	system for a single fa	•		*
Upon sale or transfer of the owner. A copy of the pla					
MIKE HURLEY		W	rike salus	Rep	
MIKE HURLEY Owner N	ame) ike stus Owner Signat	tupe	
Laurie Hurl Owner N	ame	_	Owner Signat	ture	
This instrument was ackn	owledged before	e me on: 23 Day	of February	, 2022.	
Christophe	A. Hans				
Notary's Print			Offic	d and Recorded cial Public Rec ie Koepp, Count	ords v Clerk
Commission Expires:		24		l County, Texas 1/2022 12:02:44	
Affix Notary Stamp Above	William Willia	CHRISTOPHER A Notary Pu STATE OF T Notary ID# 11	blic EXAS	9 1 Page(s) 26009787 Bobbie	Keepp

My Comm. Exp. 12-30-2024

	DEDIATE LOCKE	NUMBER		
REGULATORY AUTHORITY Coma	PERMIT/LICENSE	-		
WASTEWATER TREATMENT FACILITY MON				
Lonestar Aerobic Services, LLC	Customer Mike and Lau			
PO Box 228	Site Address 412 McK		G # 545	
Boerne, TX 78006	City Fischer	Zip_78623	Gate #5545	
Off. (830)443-4559	Mailing Address 1260			
Fax (210)579-6073	City San Antonio TX	Zip_ 7824	49	
Website www.lonestaras.com	Day Phone 210 394 185	51		
E-Mail wadecloud@lonestaras.com	Home Phone			
Installer Robin Wise	Emergency Phone			
I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement (hereinafter referred to as "Customer") and Lonestar Aerobic Services. LLC referred to as "Contractor") agree to render services at the site address state described herein. The designed flow rate for this system is a maximum of III. Effective Dates: This agreement commences on and ends is an initial agreement (new installation), the Customer will notify the Control no notification is received by Contractor within ninety (90) days after comp	C. By this agreement. Lonestar Ac d above, as described herein, and gallons per day, on for a total of tractor within two (2) business day eletion of installation or where cou	the Customer agrees to two (2) years (initial agrees of the system's first inty authority mandate	o fulfill his/her/their res greement) or one (1) yeuse to establish the date es, the date of commence	ponsibilities, as ar (there after). If this e of commencement. If ement will be the date
the "License to Operate" (Notice of Approval) was issued by the permitting installed equipment, but in no case shall it extend the specified warranty. III. Renewal: This Agreement shall automatically renew each year at the same days prior to end of first agreement period. See Section IV.		•		
IV. Termination of Agreement: This Agreement may be terminated by either perform in accordance with its terms, without fault or liability of the terminany work performed and for which compensation has not been received. A be refunded to customer within thirty (30) days. Either party terminating the manufacturer and the appropriate regulatory agency a minimum of thirty (3 contract and a termination of contract.	ating party. If this Agreement is s fer the deduction of all outstanding is agreement for any reason, inclu-	to terminated, Contract ig charges, any remain ding non-renewal, sha	or will be paid at the ra ing monies from prepay ill notify in writing the o	the of \$75 per hour for rment for services will equipment
 V. Services: Contractor will; A. Inspect and perform routine upkeep on the On-Site Sewage Facility (by state and/or local regulations, for a total of three visits to site per y. B. Provide a written record of visits to the site by means of an inspection C. Repair or replace, if Contractor has necessary materials at site, any consist. If such services are not covered by warranty, and service costs a for said service. When service costs are greater than \$100.00, or if Conservice(s) and associated cost(s). Customer must notify Contractor of D. Provide sample collection and laboratory testing of TSS and BOD or 	ear. Itag attached to or contained in the imponent of the OSSF found to be re \$100.00 or less. Customer here intractor does not have necessary surrangements to effect repair of sylvary basis (commercial system).	the control panel. It failing or inoperative the sutherizes Contract supplies at the site. Constem within two (2) by	during the course of a rotor to perform the service outractor will notify Cus	routine monitoring the and bill Customer stomer of required
 E. Forward copies of this Agreement and all reports to the regulatory ag F. Visit site in response to Customer's request for unscheduled service v 	ithin forty-eight (48) hours of the	date of notification (w	veckends and holidays	excluded) of said
request. Unless otherwise covered by warranty, costs for such unsche VI. Disinfection:Not Required. X Required. The responsibility to main VII. Electronic Monitoring is not included in this Agreement. VIII. Performance of Agreement: Commencement of performance by Contract.	ain the disinfection device(s) and	provide any necessary		Customer.
A. If this is an initial agreement (new installation): 1. Contractor's receipt of a fully executed original copy or facsimi 2. Contractor's receipt of payment of the wastewater monitoring for B. If this is not an initial agreement (existing system): 1. Contractor's receipt of a fully executed original copy of this agreement.	le of this agreement and all docume in accordance with the terms as	described in Section X	Contractor.	
Contractor's receipt of a tarry executed original copy of this agr C. If the above conditions are not met, Contractor is not obligated to per C. If the above conditions are not met, Contractor is not obligated to per IX. Customer's Responsibilities: The Customer is responsible for each and all	e in accordance with the terms as form any portion of this agreemen	described in Section X	(IV of this Agreement.	
 A. Provide all necessary yard or lawn maintenance and the removal of a debris, as needed to allow the OSSF to function properly, and to allow B. Protect equipment from physical damage including but not limited to 	Il obstacles, including but not limity. Contractor safe and easy access that damage caused by insects.	to all parts of the OSS	F.	
 C. Maintain a current license to operate, and abide by the conditions and and/or local regulatory agency, whichever are more stringent, as well D. Notify Contractor immediately of any and all alarms, and/or any and E. Provide, upon request by Contractor, water usage records for evaluating 	as proprietary system's manufacti all problems with, including failur	urer recommendations re of, the OSSF.	on-site sewage facility (OSSF) from the State
F. Allow for samples at both the inlet and outlet of the OSSF to be obtated a laboratory for testing, with the exception of the service provided transportation, portal to portal, at a rate of \$35 per hour, plus the asso	ned by Contractor for the purpose under Section V. sub-section D. a	of evaluating the OSS		

G. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF. H. Prevent the condensate 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 Contractor, 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.

X. 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. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$35 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no c ircumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or cleetric cable, wate 1.

- XI. 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.
- XII. Severability: If any provision of this "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 this "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 does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled. Customer requested visits to the site. XIV. Payment: Full amount due upon signature (Required of new Customer). Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice. Invoices are mailed 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 returned check fee
- XV. Application or Transfer of payment: The fees paid for this agreement may transfer to the subsequent property owner(s); however this agreement is not transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement 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 obligations arising from this Agreement including late fees or penalties. returned 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 promises or conditions in any other agreement, oral or written.

Date Texas Installer II License number OS24590.

Mike Ausley Lumi Harly 2/22/2022
Customer Signature Date

On-Site Sewage Facility Soil and Site Evaluation

Date Performed: 03/01/2022 New	Installation Replacement Alteration
Property Owner's Information:	Licensed Site Evaluator:
Name: Richard & Laurie Hurley	Name: Wade A. Cloud
Address: 412 McKinney Way	Company: Blackwater Designs
City: Fischer, TX 78623	Address: PO Box 228
Phone: Fax:	City: Boerne, TX78006
	Phone: 210.900.2971 Fax: 210.579.6073
Property Description:	TCEQ License #: OS0029338
Subdivision: The Legends at Rancho Del Lago, Unit 1	
Plat date: Lot: 102 Block:	Installer Information:
Site Address: 412 McKinney Way	Name: Robin Wise
City: Fischer, TX 78623	Company: Rob Wise Construction
County: Comal Unicorp. Area: YON	Address: PO Box 644
Property Size: Acres: 1.14	City: Boerne , TX 78006
Survey: Absstract:	Phone: 210.264.6745 Fax:
Additional Info:	
Additional line.	Total Edition III
Topos	graphy
	e Drainage Water
Flat-under 2% Slight-under 4% Severe-over 5% Comments/Observations:	Poor Adequate Good Cood Co
Water	Supply
Public, name of public water supplier: Private For on-site water well:	
Are neighboring wells less than 100	n proposed disposal area? ft from proposed disposal area? documentation, i.e., well log or
If yes to either above, need	documentation, i.e. well log or
	is/are pressure cemented or
	water table. (Cannot be closer than 50 ft)
Water Softener	sis System Other:
Soil Ev	aluation
At least two soil evaluations must be performed on t area. Locations of soil boring or dug pits must be sh	the site, at opposite ends of the proposed disposal own on the drawing.
For subsurface disposal, soil evaluations must be perproposed trench depth. For surface disposal, the surface	rformed to a depth of at least two feet below the face horizon must be evaluated.
Please describe each soil horizon and identify any relires at the appropriate depth.	estrictive features in the space provided below. Draw
Proposed Trench Depth N/A (Will be 18" to	36" unless designed by P.E. or R.S.)
	See document on back or next page
Wade A. Cloud St OS0029338 Day	

Soil Boring	r Dug Dit # 1	Test holes we	ere not attempted					
Depth(ft)	Textural	Soil Texture	Gravel Analysis	Drainage (Mottles/Water	Restrictive			
Depth(tt)	Class	& Color	for Class II and III	Table) indicate color of	Horizon			
				mottling				
0	N/A	N/A	N/A	N/A	Fractured			
-	7			7 4.7 .	Rock Out-			
1					croppings			
_								
2								
2								
3								
-								
4								
-								
5								
Soil Boring o	or Dug Pit # 2	Test holes we	ere not attempted					
Depth(ft)	Textural	Soil Texture	Gravel Analysis	Drainage (Mottles/Water	Restrictive			
	Class	& Color	for Class II and III	Table) indicate color of	Horizon			
0				mottling				
0	N/A	N/A	N/A	N/A	Fractured			
_					Rock Out- croppings			
1					oroppings			
-								
2								
-								
3								
_								
4								
12								
5								
_								
This site	the findings o	standard On-S	ed on Held observation	s, are accurate to the best of my l	cnowledge.			
	///	1	03/01/2022					
Wade A. Clo	oud, SE OS00	29338	Date					
Compass North Site Sketch (See Attached) Scale:								



On-Site Sewage Facility Design Criteria

Property Information:		House Information:	
Site Address:		Number of Bedrooms:	
City:	TX	Number of Facilities:	
		Total for Calculation:	
Q=Sewage in GPD:		Square Footage(Approx.):	
Water Saving Devices:	YesNo	Water Supply:	
Q Gallons/Day:		Additional GPD::	
Greywater Included:	YesNo	Each Bedroom & Each Facility = 60 gpd	
		Facility = Kitchen + Laundry	
Rate of Adsorption (R _a):		Supply Line From House:	
Application Rate (gal/ft²/day):		Length (Approx. ft):	
Minimum Adsorptive Area (ft²):		Size (in.):	
		Туре:	
Aerobic Treatment Unit:		Supply Line from Tank to Application Area	<u> </u>
Required Minimum GPD:		Length (Approx. ft):	
Pretreatment Tank Capacity (gal):		Size (in.):	
Class 1 ATU:		Туре:	
Pump Tank Capacity (gal):		Surface Application Area(πR²):	
Disinfectant Type:		π()² x:	ft²
Pump Operation:		π(:	ft²
Quantity (gal) Dosing Cycle:		π()² x:	ft²
Cycle Time:		π()² x:	ft²
Pump Size & Type:		π()² x:	ft²
		π()² x:	ft²
Comments:		π()² x:	ft²
		Total Adsorptive Area(ft²):	ft²
		Drip Application Area:	
		Minimum Linear Drip Tubing(ft²):	
		# of Drip Emitters(Aft ² /4ft ²):	
		Number of Emitters per Field:	
		Pump Requirements(GPM)	
		()@ 0.61 GPH @ 25 PSI:	

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (effective December 27, 2012). Above design is based on best available information and should function properly under normal operating conditions. All changes or modifications made to design must be approved by Wade A Cloud.

7/64 (- -

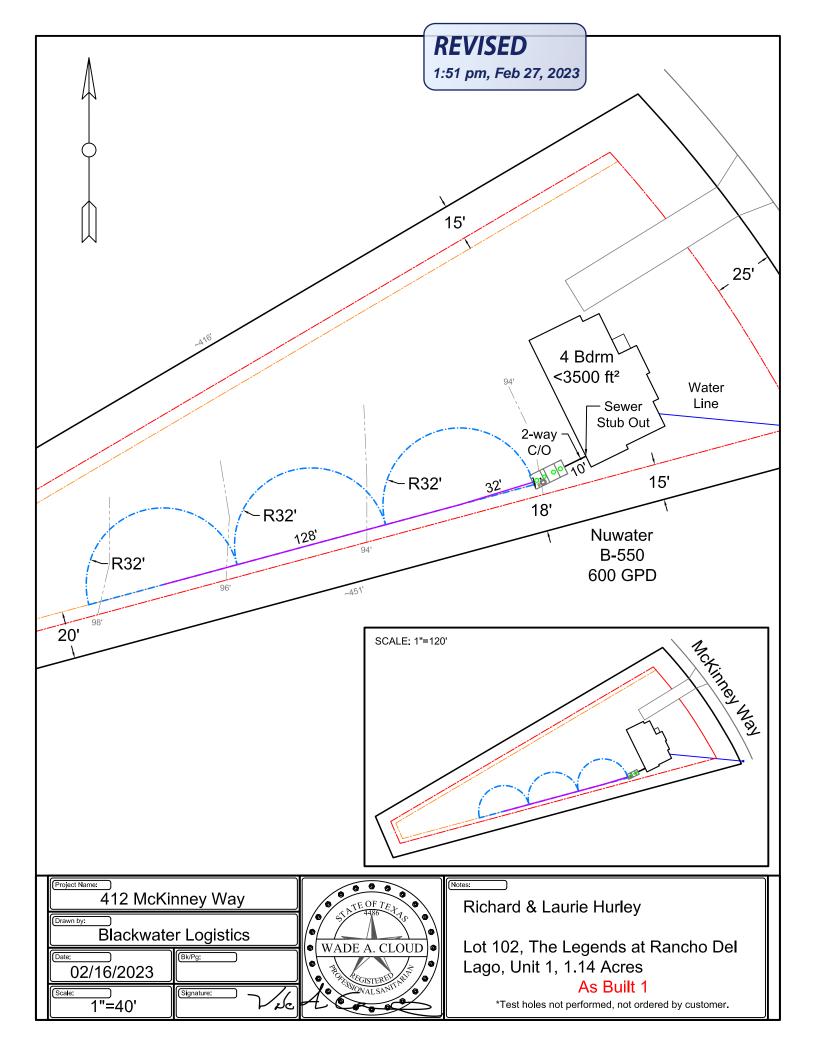
Wade A. Cloud, RS 4486

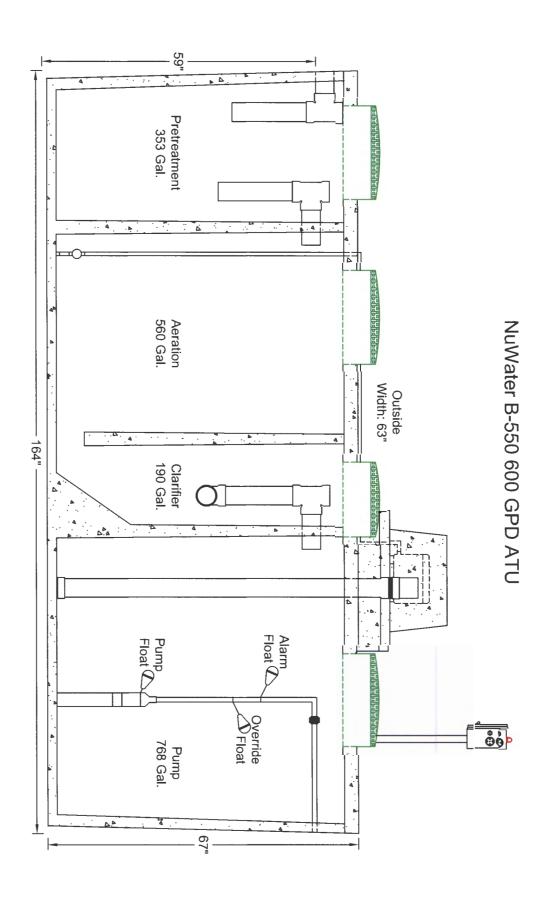
Blackwater Designs

PO Box 228 Boerne, TX 78006

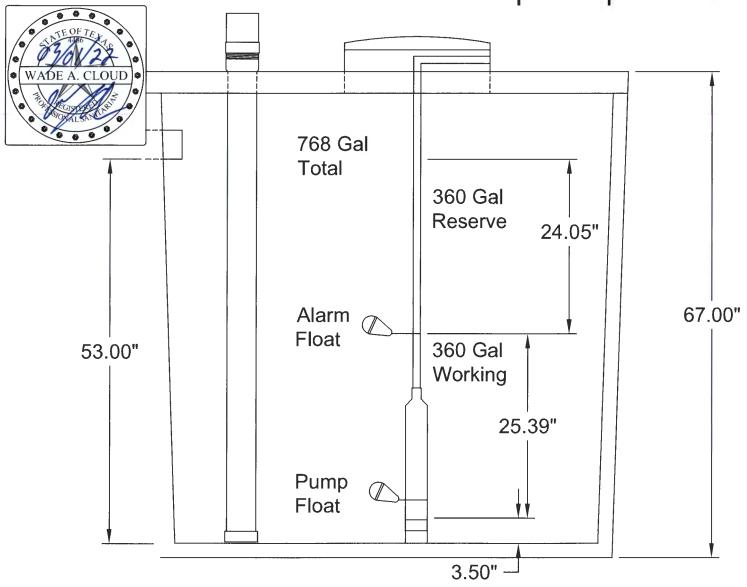
Date

210.900.2971

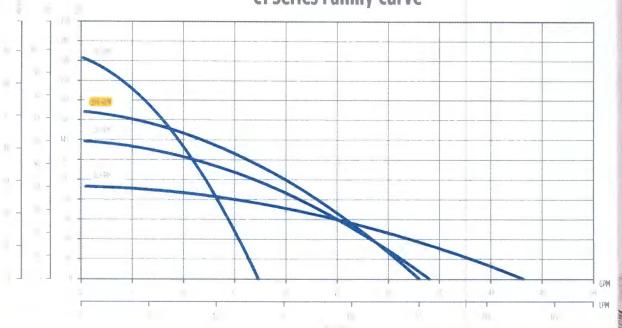




NuWater 600 GPD ATU Pump Compartment







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 SJOOW 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 I	Pumps		
GPM	HP	Volts	Stage	Model No.	Order No.	Length (in)	Weight (lbs)
10		115	7	10C1-05P4-2W115	90301005	26	17
10		230	7	10C1-05P4-2W230	90301010	26	17
20		115	5	20C1-05P4-2W115	90302005	25	16
20	10	230	5	20C1-05P4-2W230	90302010	25	16
200	1/2	115	6	20XC1-05P4-2W115	90302015	26	17
20X		230	6	20XC1-05P4-2W230	90302020	26	17
70		115	4	30C1-05P4-2W115	90303005	25	16
30		230	4	30C1-05P4-2W230	90303010	25	16

Note: All units have 10 foot long SJ00W leads.



franklinwater.com M1698 07-14

ProPlus™ Gear Driven Sprinkler Setting Instructions

SPRINKLER INSTALLATION

1 ▶ INSTALL AND BURY

Do not use pipe dope. Thread the sprinkler on the pipe. Bury the sprinkler flush to grade. **NOTE:** Gear driven sprinklers and pop-up sprays should not be installed on the same watering zone.

2> INSPECTING THE FILTER

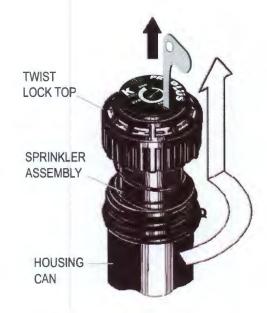
Unscrew the top and lift the complete sprinkler assembly out of the housing can. The filter is located on the bottom of the sprinkler assembly and can be easily pulled out, cleaned and re-installed.

3▶ WINTERIZATION TIPS

When using an air compressor to remove water from the system please note the following:

- a. Do not exceed 30 PSI.
- Always introduce air into the system gradually to avoid air pressure surges. Sudden release of compressed air into the sprinkler can cause damage.
- c. Each zone should run no longer than 1 minute on air. Sprinklers turn 10 to 12 time faster on air than on water. Over spinning rotors on air can cause damage to the internal components.

PRECIP in/hr / mm/hr



PERFORMANCE DATA

NOZZI E PRESSURE BADIUS FLOW BATE

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr / mm/hr			
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H		A		_
#0.5	30	207	2.1	28	8.5	0.5	1.9	0.11	0.12	0.14	3	4
	40	276	2.8	29	8.8	0.6	2.3	0.14	0.14	0.16	3	4
	50	345	3.5	29	8.8	0.7	2.7	0.16	0.16	0.19	4	5
	60	414	4.1	30	9.1	0.8	3.0	0.18	0.17	0.20	4	5
#0.75	30	207	2.1	29	8.8	0.7	2.7	0.16	0.16	0.19	4	5
	40	275	2.8	30	9.1	0.8	3.0	0.18	0.17	0.20	4	5
	50	344	3.4	31	9.4	0.9	3.4	0.20	0.18	0.21	5	5
	60	413	4.1	32	9.8	1.0	3.8	0.23	0.19	0.22	5	6
#1.0	30	207	2.1	32	9.8	1.3	4.9	0.30	0.24	0.28	6	7
	40	275	2.8	33	10.1	1.5	5.7	0.34	0.27	0.31	7	8
	50	344	3.4	34	10.4	1.6	6.1	0.36	0.27	0.31	7	8
	60	413	4.1	35	10.7	1.8	6.8	0.41	0.28	0.33	7	8
#2.0	30 40 50 60	207 275 344 413	2.1 2.8 3.4 4.1	37 40 42 43	11.3 12.2 12.8 13.1	2.4 2.5 3.0 3.3	9.1 9.5 11.4 11.4	0.55 0.57 0.68 0.68	0.34 0.30 0.33 0.34	0.39 0.35 0.38 0.36	9 8 8	10 9 10 9
2.5 Pre- installed	30 40 50 60	207 275 344 413	2.1 2.8 3.4 4.1	38 39 40 41	11.6 11.9 12.2 12.5	2.5 2.8 3.2 3.5	9.5 10.6 12.1 13.3	0.57 0.64 0.73 0.80	0.33 0.35 0.39 0.40	0.38 0.41 0.44 0.46	8 9 10 10	10 10 11 12
#3.0	30	207	2.1	38	11.6	3.6	13.6	0.82	0.48	0.55	12	14
	40	275	2.8	39	11.9	4.2	15.9	0.96	0.53	0.61	14	16
	50	344	3.4	41	12.5	4.6	17.4	1.05	0.53	0.61	13	15
	60	413	4.1	42	12.8	5.0	19.0	1.14	0.55	0.63	14	16
#4.0	30	207	2.1	43	13.1	4.4	16.7	1.00	0.46	0.53	12	13
	40	275	2.8	44	13.4	5.1	19.3	1.16	0.51	0.59	13	15
	50	344	3.4	46	14.0	5.6	21.2	1.27	0.51	0.59	13	15
	60	413	4.1	49	14.9	5.9	22.4	1.34	0.47	0.55	12	14
#6.0	40	276	2.8	45	13.7	5.9	22.4	1.34	0.56	0.65	14	16
	50	344	3.4	46	14.0	6.0	22.7	1.36	0.55	0.63	14	16
	60	413	4.1	48	14.6	6.3	23.9	1.43	0.53	0.61	13	15
	70	482	4.8	49	14.9	6.7	25.4	1.52	0.54	0.62	14	16
#8.0	40	276	2.8	42	12.8	8.0	30.3	1.82	0.87	1.01	22	26
	50	344	3.4	45	13.7	8.5	32.2	1.93	0.81	0.93	21	24
	60	413	4.1	49	14.9	9.5	36.0	2.16	0.76	0.88	19	22
	70	482	4.8	50	15.2	10.0	37.9	2.27	0.77	0.89	20	23

LOW ANGLE PERFORMANCE DATA

NOZZLE PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr / mm/hr				
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H				A
#1.0	30	207	2.1	22	6.7	1.2	4.5	.27	0.48	0.55	12	14
	40	276	2.8	24	7.3	1.7	6.4	.39	0.57	0.66	14	17
	50	345	3.4	26	7.9	1.8	6.8	.41	0.51	0.59	13	15
7	60	414	4.1	28	8.5	2.0	7.6	.45	0.49	0.57	12	14
113.0	30	207	2.1	29	8.8	3.0	11.4	.68	0.69	0.79	17	20
	40	276	2.8	32	9.8	3.1	11.7	.70	0.58	0.67	15	17
	50	345	3.4	35	10.7	3.5	13.2	.80	0.55	0.64	14	16
	60	414	4.1	37	11.3	3.8	14.4	.86	0.53	0.62	14	16
#4.0	30	207	2.1	31	9.4	3.4	12.9	.77	0.68	0.79	17	20
	40	276	2.8	34	10.4	3.9	14.8	.89	0.65	0.75	17	19
	50	345	3.4	37	11.3	4.4	16.7	1.00	0.62	0.71	16	18
	60	414	4.1	38	11.6	4.7	17.8	1.07	0.63	0.72	16	18
#6.0	40	275	2.8	38	11.6	6.5	24.6	1.48	0.87	1.00	22	25
_	50	344	3.4	40	12.2	7.3	27.7	1.66	0.88	1.01	22	26
	60	413	4.1	42	12.8	8.0	30.3	1.82	0.87	1.01	22	26
	70	482	4.8	44	13.4	8.6	32.6	1.96	0.86	0.99	22	25

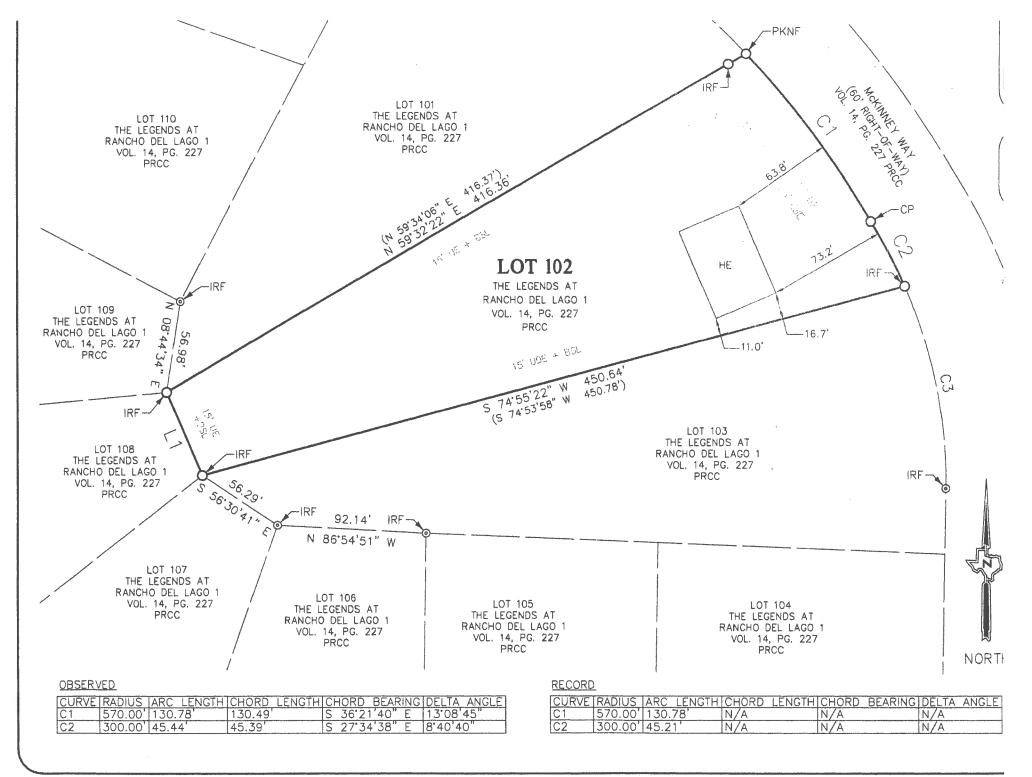
*All precipitation rates calculated for 180° operation. For the precipitation rate for a 360° sprinkler, divide by 2.



K-RAIN MANUFACTURING CORP.

1640 Australian Avenue Riviera Beach, FL 33404 USA PH: 561.844.1002 / 1.800.735.7246 FAX: 561.842.9493 www.krain.com

© K-RAIN Menufacturing Corp. Part Number: 1100519 Rev. 01



1 1 1 3050 FX 7-18" H.H. SePtic 1 LT FRENCH BREAKFAST FCLQ MASTER BEDROOM 8:-9" PCLG. -36° HIGH BAR -34 3M" HIGH 266 WALL FAMILY ROOM TUB W SHOWER KITCHEN FCLG. 8-6" 7-7 WZ 1'-0" Any changes after _______will result in a \$200 Change Order fee, or (b) a \$1000 Change Order fee for changes affecting the Elevations, Foundation, or Framing. Elecision, BEDROOM 2 7-11 1/2 3-5 4000 SH DL 7-10" H.H. BEDROOM 3 BEDROOM 4 COV. PORCH 11 1 11 1.3 1ST FLOOR PLAN FLOOR PLAN NOTES

BATH ACCESSORIES: (HEIGHT TO BE BLOCKED & MOUNTED) - TOWEL BARS - SF A.F.F. - TOWEL PAPER HOLDER - 3P A.F.F. - ROSE HOOK - 72" A.F.F. - TOWEL RING - 60" A.F.F. - SHOWER ROD - 60" ASIV. TUB DECK

PLUMBING:
• RANGE GAS SHUT-OFF VALVE (IF APPLICABLE) TO BE LOCATED IN ADJACENT CARRIET

WWAC: FRESH AIR INTAKE SHALL BE VENTED THROUGH SOFFIT OR GABLE WALL

WATER HEATER:

• F LOCATED IN ATTIC: PROVIDE PAN
AND DRAIN

• F GAS & LOCATED IN CLOSET:
WEATHERSTREP BOOR, PROVIDE
OUTSIDE COMBUSTRIES AR, &
ROULATE WALLS

GARAGE (F APPLICABLE): • SEE SPECS FOR FINISH

FILE COPY 482 60/ZALES B

MR. & MRS. MICHAEL HURLEY Job #1221001 Comal Country, City of Fischer

A1.1

From: <u>Ritzen, Brenda</u>

To: <u>"wade@blackwater-logistics.com"</u>

Cc: Olvera, Brandon

Subject: RE: 412 McKinney Way As Built

Date: Monday, February 27, 2023 1:52:00 PM

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

Wade,

The permit file has been updated.

Thank you,



Brenda Ritzen

Environmental Health Coordinator 195 David Jonas Dr. New Braunfels, TX 78132 DR:OS00007722 830-608-2090 www.cceo.org

From: Olvera,Brandon < Olverb@co.comal.tx.us>

Sent: Monday, February 27, 2023 9:04 AM **To:** Ritzen, Brenda <rabbjr@co.comal.tx.us> **Subject:** FW: 412 McKinney Way As Built

Brenda,

This is for permit 114177

Thank You,

Brandon Olvera | Designated Representative | Comal County | www.cceo.org
195 David Jonas Dr, New Braunfels, TX-78132 | <a href="text-align: text-align: text-

This email originated from outside of the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

- Comal IT

On-Site Sewage Fa VOID gn Criteria

Property Information:		House Information:						
Site Address: 412 McKinney Way		Number of Bedrooms:	4					
City: Fischer	TX 78623	Number of Facilities:	1					
		Total for Calculation:						
Q=Sewage in GPD:		Square Footage(Approx.):	<3500 ft²					
Water Saving Devices:	O Yes O No	Water Supply:	Well					
Q Gallons/Day:	300	Additional GPD::	0					
Greywater Included:	Yes No	Each Bedroom & Each Facility = 60 gpd						
		Facility = Kitchen + Laundry						
Rate of Adsorption (Ra):		Supply Line From House:						
Application Rate (gal/ft²/day):	.064	Length (Approx. ft):	10'					
Minimum Adsorptive Area (ft²):	4,687.50	Size (in.):	3" or 4"					
	-137.99	Type:	Sch 40					
Aerobic Treatment Unit:		Supply Line from Tank to Application Area:						
Required Minimum GPD:	480	Length (Approx. ft):	175'					
Pretreatment Tank Capacity (gal):	353	Size (in.):	1"					
Class 1 ATU:	Nuwater B-550	Type:	Sch 40					
Pump Tank Capacity (gal):	768	Surface Application Area(πR²):						
Disinfectant Type:	Liquid Chlorine	$\pi(32)^2 \times .5$:	1,608.50 ft ²					
Pump Operation:	Timer	$\pi(32)^2 \times .5$:	1,608.50 ft ²					
Quantity (gal) Dosing Cycle:	Varied	$\pi(32)^2 \times .5$:	1,608.50 ft ²					
Cycle Time:	12:00 am-5:00 am	π()² x:	0.00ft ²					
Pump Size & Type:	1/2hp Franklin C1-Series	π() ² x:	0.00 ft ²					
		π(:	0.00ft ²					
Comments: Installing a 600 GPD Nuwate	er B-550 with 2	π() ² x:	0.00 ft ²					
sprinklers set at 180° with a 32' radius.		Total Adsorptive Area(ft²):	4,825.49 ft ²					
		Drip Application Area:						
7 - 2011		Minimum Linear Drip Tubing(ft²):	N/A					
		# of Drip Emitters(Aft ² /4ft ²):	N/A					
		Number of Emitters per Field:	N/A					
Vegetation Plan: The surface application		Pump Requirements(GPM)						
to existing vegetation, any bare area shall		(<u>N/A</u>)@ 0.61 GPH @ 25 PS	l:					
mixture of winter rye and bermuda seed bet	fore system start up.		N/A					

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (effective December 27, 2012). Above design is based on best available information and should function properly under normal operating conditions. All changes or modifications made to design must be approved by Wage A Cloud.

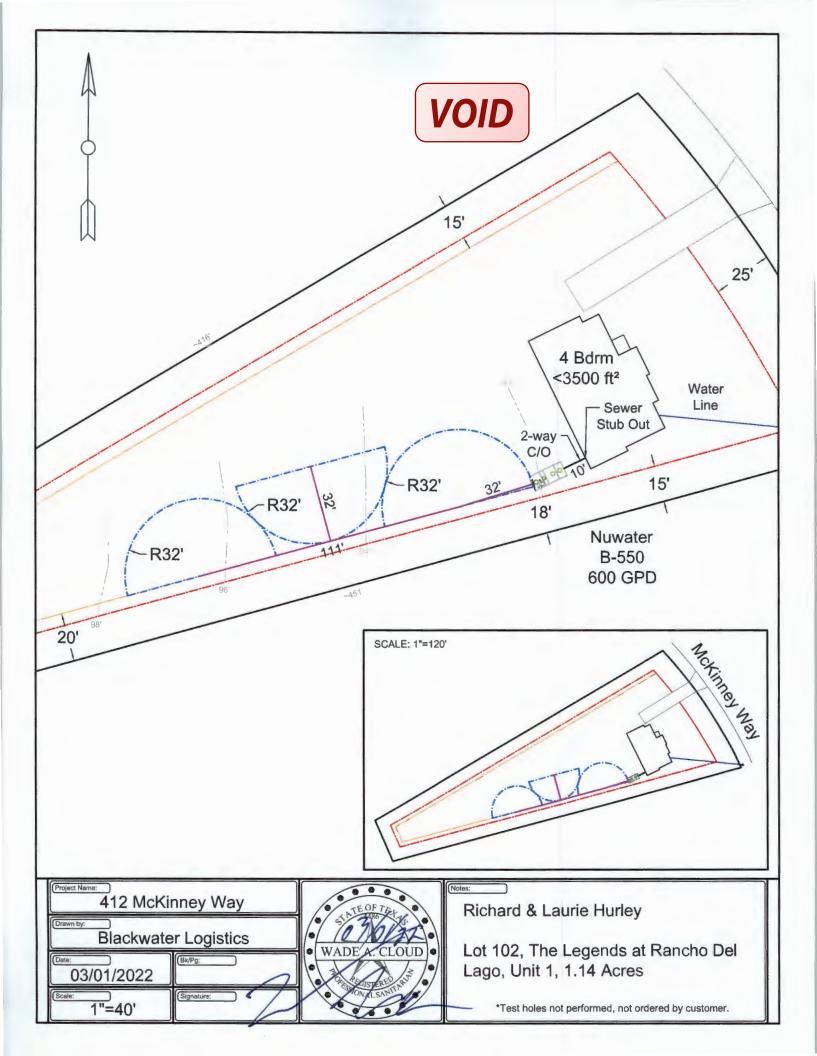
Wade A. Cloud, RS 4486

Blackwater Designs

PO Box 228 Boerne, TX 78006

Date

210.900.2971





THE STATE OF TEXAS)		
		(KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF COMAL)		

Canyon Lake, Comal County, Texas 78133-0009, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other valuable cash consideration to the undersigned paid by the Grantee herein named, the receipt of which is hereby acknowledged, and the further consideration of the execution and delivery by grantee of one certain promissory note of even date herewith in the principal sum of: One hundred twelve thousand five hundred and 00/100 DOLLARS (\$112,500.00), payable to the order of RANCHO DEL LAGO, INC., a Texas Corporation as therein provided and bearing interest at the rate therein specified and providing for acceleration of maturity in event of default 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 of Trust of even date herewith to MICHELE BARNES, TRUSTEE, has GRANTED, SOLD AND CONVEYED, and by these presents does GRANT, SELL AND CONVEY unto: Michael Richard Hurley and Laurie Kristin Hurley, 12607 Carriage Dove, San Antonio, Bexar County, Texas 78249, all of the following described real property in Comal County, Texas to-wit:

All that certain tract or parcel of land lying and being situated in Comal County, Texas, known and designated as Lot 102 & 103, THE LEGENDS AT RANCHO DEL LAGO, UNIT 1, a subdivision, according to map or plat recorded in Volume 14, Page(s) 227-231, of the Map and Plat Records 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 grantee(s), their heirs and assigns forever; and it does hereby bind itself, its successors and assigns to WARRANT AND FOREVER DEFEND all and singular the said premises unto the said grantee(s) 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.

Current ad valorem taxes on said property having been prorated, the payment thereof is assumed by Grantees.

This conveyance is made and accepted subject to the following:

- Any and all restrictions, reservations, assessments, maintenance charges, covenants, conditions and easements, if they are still in effect, shown of record in the hereinabove mentioned County and State, including restrictions for the subdivision.
- 2.) A water assessment of \$1,100.00 per lot for the purpose of installing a water system to bring water to the lot; said water assessment shall be due and payable to <u>Rancho del Lago, Inc.</u>, a Texas Corporation, or its assigns on or before six (6) months after the lot is conveyed by <u>RANCHO DEL LAGO, INC.</u>, a Texas Corporation.
- 3.) Recorded and unrecorded utility easements to Pedernales Electrical Cooperative, Inc., and GVTC Communications, Inc.
- 4.) Visible and apparent easements.

EXECUTED this 18th day of June, 2021

RANCHO DEL LAGO, INC., a Texas Corporation

KELLY E. SIMMONS, Chief Financial Officer

STATE OF TEXAS)
(COUNTY OF COMAL)

CRISTINA CLARY
My Notery ID # 129072126
Expires July 31, 2024

AFTER RECORDING RETURN TO:

Rinco of Texas, Inc. P.O. Box 2202 Canyon Lake, Texas 78133-0009 (830) 935-2807 (830) 935-2729 FAX NOTARY PUBLIC, STATE OF TEXAS

Official Public Records
Bobbie Koepp, County Clerk
Comal County Texas
07/12/2021 11:16:52 AM

TERRÍ 2 Page(s) 202106037028

Bobbie Koepp

RECEIVED By KG at 3:30 pm, Mar 09, 2022



OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

Construct an On-Site		Permit Number OSSF Development Application lity and License to Operate
Construct an On-Site		
Construct an On-Site		
	Sewage Facil	lity and License to Operate
	Sewage Facil	lity and License to Operate
aluatas as a Desfessia		
aluator or a Professio	nal Engineer I	Repair
CEQ Rules for OSSF	Chapter 285.	Planning Materials shall consis
Repair		
ntenance/Affidavit to t	he Public Rep	air, Customer
ate as Issuance of Lice	ense to Opera	te Repair, Customer
or my OSSF Develop on.	ment Applica	tion and that this application
_	03/	04/2022
		Date
—— (Mi		ETE APPLICATION rcled, Application Refeused)
	rceq Rules for OSSF pair Repair Intenance/Affidavit to the late as Issuance of Lice or my OSSF Development.	ntenance/Affidavit to the Public Repart ate as Issuance of License to Operator my OSSF Development Application.

Lonestar Aerobic Services, LLC PO Box 228 Boerne, TX 78006

Phone: (830) 443-4559

www.lonestaras.com

To: Mike/Laurie Hurley 412 McKinney Way Fischer, TX 78623 Printed:1/2/2024 Site: 412 McKinney Way Fischer, TX 78623

Permit #: **114177** Customer ID: 3943

Agency: Comal County Environmental Health

Contract Dates: 9/30/2023 - 9/30/2025

County: Comal County Environmental Health

County: Comal Sub: The Legend @ Rancho Del Lago Scheduled Date: 1/30/2024 Inspection 1 of 6

Mfg / Brand: Enviro-Flo Inc. - NuWater B-0550-400PT, 600GPD Aerator: Thomas AP-080-110

Treatment Type: Aerobic With Chlorine Disposal: Surface Application

Service Type: Scheduled Inspection This counts as a type of "Scheduled Inspection"

Visit Date: 1/2/2024 Entered By: Kyle P Borgerding

Technician: Kyle P Borgerding **Maint. Provider:** Wade A Cloud

Aerators: Operational Sludge Levels

Filters: Operational For Tank 1:
Irrigation Pumps: Operational For Tank 2:
Disinfection Device: Operational For Tank 3:

Chlorine Supply: Operational Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Alarm: Operational PSI Pressure: 2.1

Comments

✓ Service Completed

Adjusted timer. Tested all components, components are funcitoning properly. System is in good working order.

Insp ID #:69735

Provider: Wade A Cloud

Main. Provider MP0000406

www.lonestaras.com

Lonestar Aerobic Services, LLC PO Box 228 Boerne, TX 78006

Phone: (830) 443-4559

www.lonestaras.com

To: Mike/Laurie Hurley 412 McKinney Way Fischer, TX 78623 Printed:1/2/2024 Site: 412 McKinney Way Fischer, TX 78623

Permit #: **114177** Customer ID: 3943

Agency: Comal County Environmental Health

Contract Dates: 9/30/2023 - 9/30/2025

County: Comal County Environmental Health

County: Comal Sub: The Legend @ Rancho Del Lago Scheduled Date: 1/30/2024 Inspection 1 of 6

Mfg / Brand: Enviro-Flo Inc. - NuWater B-0550-400PT, 600GPD Aerator: Thomas AP-080-110

Treatment Type: Aerobic With Chlorine Disposal: Surface Application

Service Type: Scheduled Inspection This counts as a type of "Scheduled Inspection"

Visit Date: 1/2/2024 Entered By: Kyle P Borgerding

Technician: Kyle P Borgerding **Maint. Provider:** Wade A Cloud

Aerators: Operational Sludge Levels

Filters: Operational For Tank 1:
Irrigation Pumps: Operational For Tank 2:
Disinfection Device: Operational For Tank 3:

Chlorine Supply: Operational Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Alarm: Operational PSI Pressure: 2.1

Comments

✓ Service Completed

Adjusted timer. Tested all components, components are funcitoning properly. System is in good working order.

Insp ID #:69735

Provider: Wade A Cloud

Main. Provider MP0000406

www.lonestaras.com