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

Perm	ermit#: Address:						
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials		285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)				
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards		285.91(10) 285.30(b)(4) 285.31(d)				
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)		285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot		285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)		285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(II)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

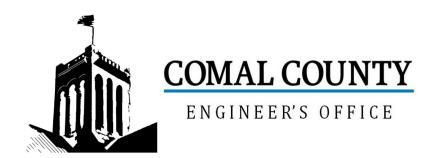
Inspector Notes:

N-	December 41	A may	Citotiana	Net	1 at 1	2 m d 1	7 mal 1
No.	Description SEPTIC TANK Tank(s) Clearly	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	Marked SEPTIC TANK IsingleTank, 2Compartments Provided withBaffle SEPTIC TANK Inlet Flowline Greater than3" and "T" Provided on Inlet and OutletSEPTIC TANK Septic Tank(s) MeetMinimum Requirements		285.32(b)(1) (E)285.91(2)285.32(b)(1) (F)285.32(b)(1)(E) (iii)285.32(b)(1)(E)(ii) (I)285.32(b)(1)(E) (i)285.32(b)(1)(E) (i)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (ii)285.32(b)(1) (B)285.32(b)(1) (A)285.32(b)(1)(E)(iv)				
1	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
	SEPTIC TANK Secondary restraint system providedSEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
	SEPTIC TANK Tank Volume Installed						
12							
	PUMP TANK Volume Installed						
1	AEROBIC TREATMENT UNIT Size Installed						
14							
	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
15	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo- transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				
18			203.33(a)(2)				

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.	
19	DISPOSAL SYSTEM Drip Irrigation		285.33(c)(3)(A)-(F)					
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)					
21	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)					
23	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							
	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)					
	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)					

	I I			- 		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: 117696

Issued This Date: 08/22/2024

This permit is hereby given to: Christine K. Thompson

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

2167 GLENN DR

CANYON LAKE, TX 78133

Subdivision: Astro Hills

Unit: 1

Lot: 134

Block:

Acreage: 0.4500

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic

Drip Irrigation

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

Call (830) 608-2090 to schedule inspections.





OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

			117696				
	Date Received	Initials	Permit Number				
Instructions: Place a check mark next to all items that apply. For items Checklist <u>must</u> accompany the completed application.	s that do not apply, plac	ee "N/A". This	S OSSF Development Application				
OSSF Permit							
Completed Application for Permit for Authorization t	o Construct an On-Site	Sewage Fac	cility and License to Operate				
Site/Soil Evaluation Completed by a Certified Site E	valuator or a Professio	nal 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.							
Required Permit Fee - See Attached Fee Schedule							
Copy of Recorded Deed							
Surface Application/Aerobic Treatment System							
Recorded Certification of OSSF Requiring Ma	intenance/Affidavit to the	ne Public					
Signed Maintenance Contract with Effective D	Date as Issuance of Lice	ense to Oper	ate				
I affirm that I have provided all information required f constitutes a completed OSSF Development Applicat	or my OSSF Developi tion.	nent Applic	ation and that this application				
Signature of Applicant		5-15	-2024 Date				
Check No Receipt No	(Mis		LETE APPLICATION ircled, Application Refeused)				

Revised: September 2019





ON-SITE SEWAGE FACILITY APPLICATION

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

Date			Permit Num	11 nber	7696
1. APPLICANT	/ AGENT INFORMATION				
	Christine K. Thompson	Agent Name	Doug Dowlea	arn R.S.	
	3 2200 Glenn Dr.	Agent Address	703 Oak Dr.		
	Canyon Lake, TX 78133	City, State, Zip	Blanco, TX 7	8606	
Phone #	434-917-3289	Phone #	210-878-810	0	
Email	lakegastonrealtor@gmail.com	Email	TXSEPTIC@	GMAIL.COM	
2. LOCATION	iakegasioni cartor eginamico				
Subdivision Na	me Astro Hills	l	Jnit 1	Lot 134	Block
	Abstract Number			Acreage	.4470
Address 2167		City Canyon Lak	e	State TX	Zip <u>78133</u>
3. TYPE OF DE	Old III Di			-	
	mily Residential				
	Construction (House, Mobile, RV, Etc.) House				
• •	of Bedrooms			,	
Number	Sq Ft of Living Area 2353 LESS THAN	3500 8	SF		
			•		
Non-Sing	le Family Residential materials must show adequate land area for doubling the	ne required land ne	eded for treatme	ent units and disp	oosal area)
Type of I	Factories, Churches, Schools, Parks, Etc Indica	 te Number Of Oc	cupants		
	ants, Lounges, Theaters - Indicate Number of Sea				
	otel, Hospital, Nursing Home - Indicate Number of				
	railer/RV Parks - Indicate Number of Spaces				
Miscella	neous				
Estimated C		Structure Only)		IOAOE\ foure	- accoment?
Is any portio	n of the proposed OSSF located in the United Sta				
☐ Yes ⊠	<u> </u>		provements within	the USACE flowag	ge easement)
Source of W	ater 🔀 Public 🗌 Private Well 📗 Rainwat	er			
4. SIGNATUR					
The completed	application, I certify that: I application and all additional information submitted doe that I am the property owner or I possess the appropriat	es not contain any f e land rights neces	false information sary to make the	and does not co e permitted impro	onceal any material ovements on said
-ita/aail avalus	s hereby given to the permitting authority and designate ation and inspection of private sewage facilities				
- I understand th	nat a permit of authorization to construct will not be issue	ed until the Floodpl	ain Administrato	r has performed	tne reviews required
- I affirmatively	County Flood Damage Prevention Order. consent to the online posting/public release of my e-mai	l address associate	ed with this perm	nit application, as	applicable.
\bigcirc	Il am alox		15-202		
Signature of	Owner	Date		7	Page 1 of 2



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
System Description
Size of Septic System Required Based on Planning Materials & Soil Evaluation
Tank Size(s) (Gallons) Absorption/Application Area (Sq Ft)
Gallons Per Day (As Per TCEQ Table III)
(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?
(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.)
Is there at least one acre per single family dwelling as per 285.40(c)(1)?
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?
(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.
Pongland R.S.
Signature of Designer Date



202406014814 05/16/2024 02:41:46 PM 1/1

COUNTY OF COMAL STATE OF TEXAS

AFFIDAVIT TO THE PUBLIC

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

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, give the commission primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The commission, under the authority of the TWC and the Texas Health and Safety Code, requires owners to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

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):

ASTRO HILLS, UNIT 1, LOT 134

The property is owned by (Insert owner's full name):

CHRISTINE K. THOMPSON

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 treatment system for a single family residence shall either obtain a maintenance contract within 30 days or maintain the system personally.

Upon sale or transfer of the above described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for OSSF may be obtained from **Comal County Engineer's Office**.

DAY OF M WITNESS BY HAND(S) ON THIS HOMPSO Owner (PRINTED NAME) /TITLE Owner(s) signature(s) SWORN TO AND SUBSCRIBED BEFORE ME ON THIS & DAY OF MAY 2024 Notary Public, State of Texas Notary's Printed Name: Fin 812413025 My Commission Expires: ANNETTE BROUSSARD Notary ID =125410606 My Commission Expires August 24, 2025 Filed and Recorded

Filed and Recorded Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 05/16/2024 02:41:46 PM CASHONE 1 Page(s) 202406014814



Countryside Construction, Inc. 300 Chapman Parkway, Canyon Lake, TX. 78133 Phone: 830-899-2615 or 1-888-379-3721 Fax: 830-899-6662

SEPTIC SYSTEM SERVICE AGREEMENT

In conside	eration of pa	ryment for this service	contract, we will abide by a	and agree to its terms and conditions:		
Name:	Christine T		Address:	2167 Glenn Dr. Canyon Lake, TX 78133		
Sub-Div.	/County:					
Permit #		Type:	Model #:	Serial #:		
Phone:	434-917-3	289				
		ar Service Agreement	& Two Year Limited Warra	nty		
			ct shall be the date the License OPERATE TO:	to Operate is issued and will provide the following:		
Of the B: An a C: The Ifft D: If at not E: AN AI CO LA	the mechanical effluent quality a property own he chlorine test my improper optified immediate ty PARTS, W/THE END OF THE END OF DOTRACTOR 1 BOR COST OF SIGNING OF	& electrical components as inspection consisting of a viner is responsible for "purpovereals "No Chlorine" in the eration is observed (which dely of the conditions and the ARRANTY OR NON-WARR (30) DAYS SHALL REMAIN TO REMOVE AND REPOSS FITHE INSTALLATION AND THIS SERVICE AGREEME	system, the property owner may annot be corrected at that time) estimated cost. ANTY, FREIGHT CHARGES, LANTHE PROPERTY OF COUNTFIESS ANY PARTS INSTALLED. DREASONABLE COST OF REJENT AUTHORIZES COUNTRYS	tion of the system. um, overflow and odor. in the chlorinator, (if applicable). y incur an additional cost. the property owner will be ABOR OR SERVICE CALLS NOT PAID IN FULL RYSIDE CONSTRUCTION AND AUTHORIZES CLIENT FURTHER AGREES TO PAY ANY		
Countryside Construction, Inc., will warranty installation of the septic system to be according to state and county regulations and the designs approved by the county. HOMEOWNER WILL BE RESPONSIBLE FOR SERVICE CALLS, LABOR AND SHIPPING COSTS ON ANY "WARRANTIED PARTS" EXCHANGED DURING WARRANTY. All other components will be according to manufacturer's warranties. Important: As Countryside Construction, Inc. cannot control what or how much effluent goes into this septic system, we cannot warranty how the system will function. Refer to manufacturer's or installer's instructions for suggestions on septic operation. This service agreement does not cover the cost of service calls, labor or materials that are required or parts out of warranty, the failure to maintain electrical power to the system, sprinklers that are broken, leaking, stopped-up or otherwise mal-functioning, or sewage flows exceeding the hydraulic/organic design capabilities and the input of non-biodegradable materials (solvents, grease, oil, paints, etc.), or any usage contrary to the requirements as advised by authorized service representative. Laboratory test work is available at an additional cost. Chlorine, filters, or parts that are out of warranty are available at a reasonable cost. This contract does not include the pumping of a tank or of any compartment of a tank, or settlement of soil on or around any part of the system regardless of reason: Violations of the warranty also include: disconnecting the alarm, restricting ventilation to the aerator, overloading the system above its rated capacity, or flooding by external means. Rodent, insect or fire ant damage or any other form of						
		prior to expiration of exis	sting contract.	xpiration of existing contract. We will ION, INC.		
Walker Chapman – Installer Licensee #080002929 Maintenance Provider Licensee #MP0000035 ON Chapman – Installer Licensee #080002929 Maintenance Provider Licensee #MP0000035 Print Name ON CTHOMPSON Date: 5-15-2024 Property Owner Signature						
ox W	upa (1	Aprile Date:	Authorized	d Service Representative (revised 1/24/2022)		

Date: 7/10/2024
Applicant Information:
Name: Christine K. Thompson
Address: 2200 Glenn Dr

City, State & Zip Code: Canyon Lake, TX 78133

Phone: Email:

Property Location:

Subdivision: Astro Hills Unit: 1 Lot: 134 Street/Road Address: 2167 Glenn Dr City: Canyon Lake Zip: 78133

Additional Info: Comal County

Site Evaluator Information:
Name: Douglas R. Dowlearn
Company: D.A.D. Services, Inc.
Address: 703 Oak Drive

City, State & Zip: Blanco, TX 78606

Phone: (210)240-2101 Fax: (866)260-7687

Email: txseptic@gmail.com

Installer Information:

Name: Company: Address:

City, State & Zip: Phone: Fax:

Depth	Texture	Soil Texture	Structure (For Class	Drainage	Restrictive	Observation
	Class		III – blocky, platy or	(Mottles/Water	Horizon	CLEAR SURFACE ROCK
			massive)	Table		AND BOULDERS FROM
						DRAINFIELD AREA, AND
Soil Boring #1	III	0-4" Clay Loam	Blocky	<30% Gravel	4"+ Limestone	ENSURE THAT THERE IS
60"		4"+ Limestone	·			AT MINIMUM 12" OF
		1 · Lilliestone				SUITABLE SOIL
						BETWEEN THE BOTTOM
Soil Boring #2	Ш	0-6" Clay Loam	Blocky	<30% Gravel	6"+ Limestone	OF THE DRIP LINES, AND
60 "		6"+ Limestone				THE RESTRICTIVE
						HORIZON. CLASS II SOIL
		DE	SIGN SPECIFICATIONS			MAY NEED TO BE
		DL.	SIGN SPECIFICATIONS			IMPORTED IN ORDER
						TO MAINTAIN THE
Application Rate (R	MINIMUM 12" OF SOIL					
OSSF is designed for	BETWEEN THE BOTTOM					
300 Gal	OF THE DRIP LINES AND					
	RESTRICTIVE HORIZON					
An aerobic treatme						

FEATURES OF SITE AREA

Presence of 100-year flood zone: NO Presence of upper water shed: NO

Existing or proposed water well in nearby area: NO

angenteres.

1500 sq. ft. disposal area required 600 gallon per day aerobic tank required Calculations: Absorption Area: Q/RA= 300/0.2= 1500 Sq. Ft.

Presence of adjacent ponds, streams, water impoundments: NO

Organized sewage service available to lot: NO

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability. The site evaluation and OSSF design are subject to approval by the TCEQ or the local authorized agent. The planning materials and the OSSF design should not be considered final until a permit to construct has been issued.

Site Evaluator:

NAME: Douglas R. Dowlearn, R.S.

Signature:

License No. OS9902 – Exp. 6/30/2026

TDH: #2432 - Exp. 2/28/2025

D.A.D SERVICES, INC.

DOUG DOWLEARN

PO BOX 212, BULVERDE, TX 78163

Designed for: Thompson Christine K

RECEIVED By Brandon Olvera at 4:23 pm, Jun 27, 2025

The installation site is at lot 134 of the Astro Hills 1 Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 4 Bedroom (< 3500 sq. ft.) residence. The proposed method of wastewater treatment is aerobic treatment with drip irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 3" or 4" PVC pipe will discharge from the upper level of a structure to a Nuwater B-550 aerobic treatment plant containing a pre-treatment tank, a 600 gpd aerobic treatment plant, and a pump tank equipped with a 20 gpm submersible pump. A 3" or 4" PVC pipe will discharge from the lower level(consisting of 1 bedroom with a restroom and a wet bar) of a structure to a 70 gallon lift station with a Liberty LE102A2-2, 1 HP pump. Effluent is pumped through 2" SCH 80 PVC pipe to the previously mentioned aerobic treatment plant. The pump in the aerobic treatment unit pump tank is activated by a time controller allowing the distribution 8 times per day with a 10 minute run time per dose, with float switches set to pump 300 gallons per day. A high level audible and visual alarm will activate should the pump fail. Distribution from the pump is through a self flushing 100 micron, 140 mesh disc filter, then through a 1" SCH-40 manifold to 799 linear feet of drip tubing. The drip lines shall be set approximately two feet apart with 0.61 gph emitters set every two feet, as per the attached schematic. A threaded union will be installed in the pump tank on the supply manifold to the drip field, and a pressure regulator will be installed on the supply manifold to maintain a pressure of 30 psi. A 1" SCH-40 return line is installed to continuously flush the system back to the pump tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. The placement of the drip tubing will be on soil that has been scarified, and enough class II soil will be added so that there is 12" of soil under the drip tubing. The tubing will be covered with 6" of Class II soil.

DESIGN SPECIFICATIONS:

Daily Waste Flow: 300 gpd Application rate: 0.2

Application area required: 300/.2 = 1500 sq. ft.

Application area utilized: 1598 sq. ft. - 9 sq. ft.(impermeable lids) = 1589 sq. ft.

Pump tank reserve capacity: 100 gal minimum

SYSTEM COMPONENTS:

SCH 40 PVC sewer line

NuwWater B-550 aerobic treatment plant

Pre treatment tank

600 gpd aerobic treatment plant

Pump tank with timed controls

C1 Series, 20Xgpm - 0.5hp/115V, Model No. 20C1X-05P4-2W115 (or equivalent)

1" purple PVC supply line

30 PSI pressure regulator - Model PMR30MF

Netafim Bioline Drip tubing

70 Gallon Lift Station

Liberty LE102A2-2, 1 HP pump

LANDSCAPING:

The native vegetation in the distribution area should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the drip disposal must be covered with a ground cover such as grass seed or sod prior to the final inspection. Douglas R. Dowlearn
D.A.D. Services, Inc.
PO Box 212
Bulverde, TX 78163
(210)240-2101
txseptic@gmail.com

August 19th, 2024

RE: 2167 Glenn Drive - Lift Station Line Variance Request

To Whom It May Concern:

I am requesting a variance for the placement of the 2" SCH 40 PVC pipe coming from the 70 gallon lift station to be placed within 10' of a steep slope. This variance is requested due to limitations presented by the overall steep nature of the lot.

The 2" SCH 40 PVC pipe from the lift station will be sleeved in SCH 40 PVC pipe where it is within 10' of a steep slope. The sleeving of the pipe will prevent seepage in the event of a leak in the pipe; therefore, equivalent protection will be maintained.

In my professional opinion, this variance will not pose a threat to the environment or public health.

If there are any questions or concerns, please contact me at 210.240.2101 or by email at $\underline{txseptic@gmail.com}$.

Sincerely,

Douglas R. Dowlearn, R.S.

mandon els

DOUGLAS R. DOWLEARN

2432

A PROPERTY OF THE P

RECEIVEDBy Brandon Olvera at 10:10 am, Aug 22, 2024

Douglas R. Dowlearn D.A.D. Services, Inc. PO Box 212 Bulverde, TX 78163 (210)240-2101 txseptic@gmail.com

August 19th, 2024

RE: 2167 Glenn Drive - Supply and Flush Line Variance Request

To Whom It May Concern:

I am requesting a variance for the placement of supply and flush lines to be placed within 10' of a steep slope. This variance is requested due to limitations presented by the overall steep nature of the lot.

The supply and flush lines will be sleeved in SCH 40 PVC pipe where they are within 10' of a steep slope. The sleeving of the supply and flush lines will prevent seepage in the event of a leak in the lines; therefore, equivalent protection will be maintained.

In my professional opinion, this variance will not pose a threat to the environment or public health.

If there are any questions or concerns, please contact me at 210.240.2101 or by email at txseptic@gmail.com.

Sincerely,

Douglas R. Dowlearn, R.S.

DOUGLAS R. DOWLEARN

2432

2432

2432

ONAL SAMPROPRI

Douglas R. Dowlearn
D.A.D. Services, Inc.
PO Box 212
Bulverde, TX 78163
(210)240-2101
txseptic@gmail.com

May 14th, 2024

RE: 2167 Glenn Drive - Drip Field Within 25' of Steep Slope Variance Request

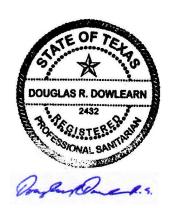
To Whom It May Concern:

I am requesting the variance for the placement of a drip disposal drainfield to be within 25' of a steep slope. This variance is requested due to limited space. Equivalent protection with respect to the requirements of TAC Chapter 285.91, Table X will be maintained by adding the impermeable liner where the drainfield is less than 25' of steep slopes. The addition of the impermeable liner will prevent seepage from occurring where the drainfield is within 25' of the steep slopes. In my professional opinion this variance will not pose a threat to the environment or public health.

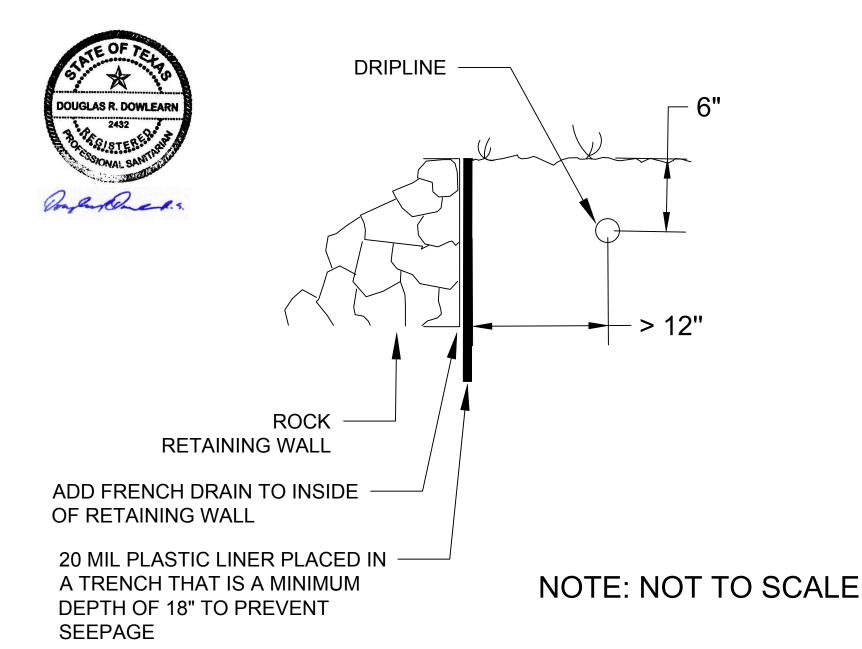
If you have any additional questions or concerns, I can be contacted by phone at 210.240.2101 or be email at txseptic@gmail.com.

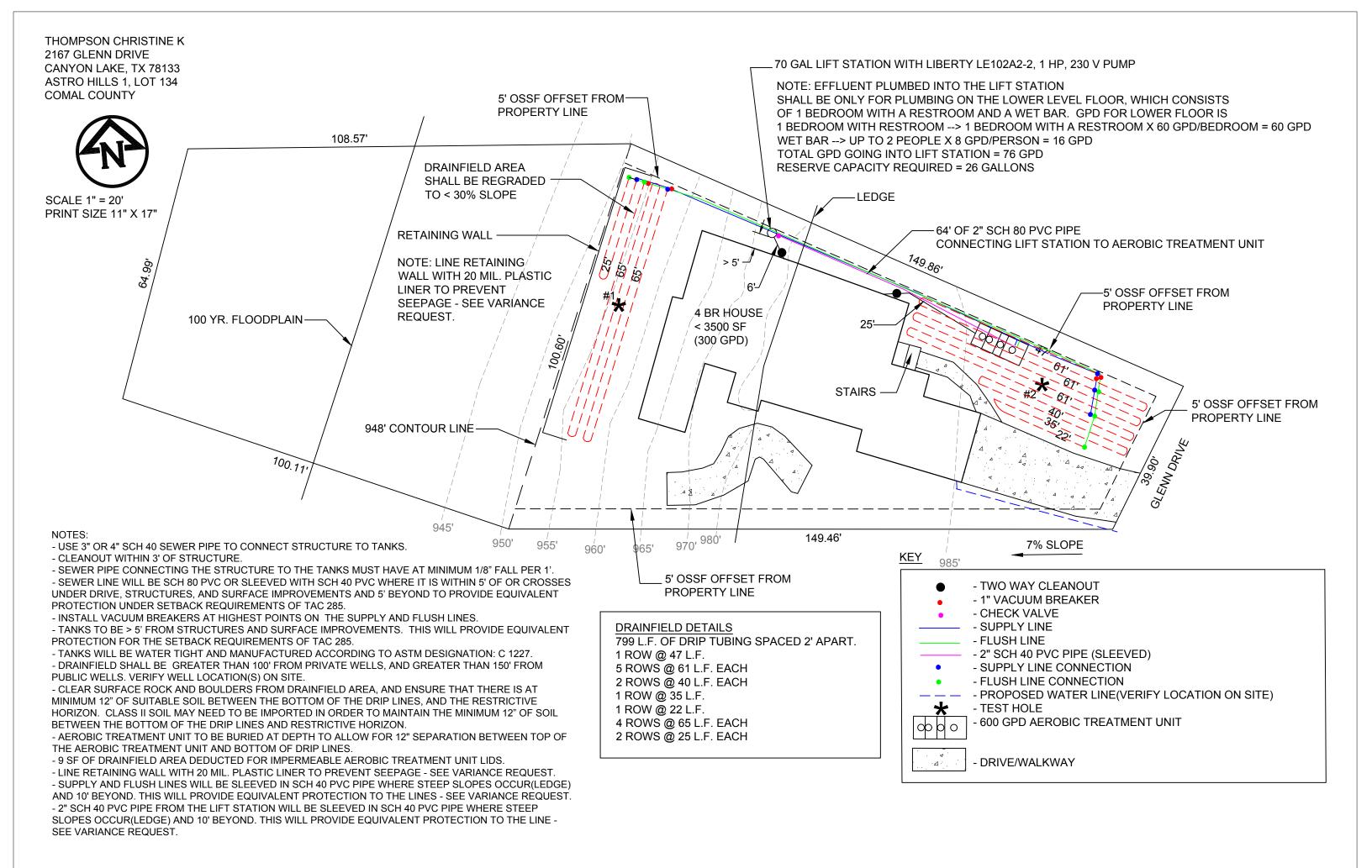
Respectfully,

Douglas R. Dowlearn, R.S.



RETAINING WALL SCHEMATIC

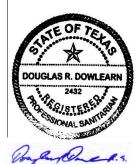


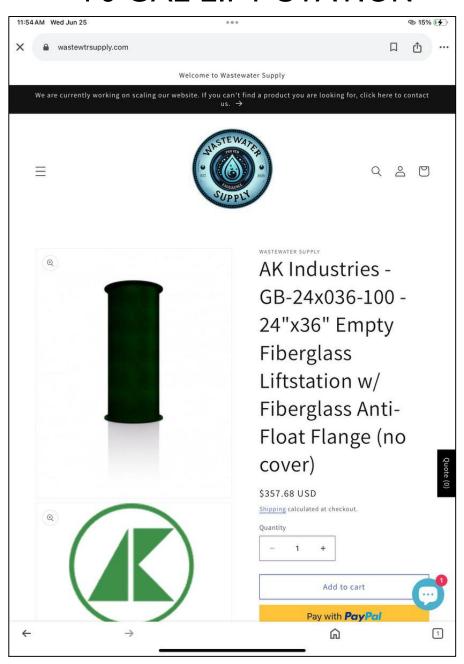


RECEIVED

By Brandon Olvera at 4:28 pm, Jun 27, 2025

70 GAL LIFT STATION





WORKING LEVEL = 36"
GALLONS/INCH = 1.96 GAL/INCH

22" - 36" - RESERVE - 27.44 GAL

22" - ALARM ON

20" - 10" - PUMP ON TO PUMP OFF - 19.6 GAL

0 - 10" - SUMP - 19.6 GAL

NOTES:

- SET TO ACTIVATE ON DEMAND.
- USE LIBERTY LE102A2-2, 1 HP, 208-230 V PUMP.
- EFFLUENT PLUMBED INTO THE LIFT STATION SHALL BE ONLY FOR PLUMBING ON THE LOWER LEVEL FLOOR, WHICH CONSISTS OF 1 BEDROOM WITH A RESTROOM, AND A WET BAR. GPD FOR LOWER FLOOR IS
- 1 BEDROOM WITH A RESTROOM --> 1 BEDROOM WITH A RESTROOM X 60 GPD/BEDROOM = 60 GPD

WET BAR --> UP TO 2 PEOPLE X 8 GPD/PERSON = 16 GPD

TOTAL GPD GOING INTO LIFT STATION = 76 GPD RESERVE CAPACITY REQUIRED = 26 GALLONS

RECEIVED

By Brandon Olvera at 4:28 pm, Jun 27, 2025

Assembly Details

OSSF

37" - 53" - RESERVE - 231.84 GAL

12" - 37" - PUMP ON TO ALARM ON - 362.25 GAL

10" - 12" - PUMP OFF TO PUMP ON - 28.89 GAL

0 - 10" - SUMP- 144.9 GAL

NOTE: SET ON A TIMER TO DOSE 8 TIMES PER DAY AT 10 MINUTES PER DOSE.

See Note 9. See Note 9. See Note 5. See Note 10.-See Note 7. See Note 11. Inlet ℧ 59" 53"" Aeration Clarifier 190 Gal. 353 Gal. Diffuser Bar See Note 8.

GENERAL NOTES:

- Plant structure material to be precast concrete and steel.
- 2. Maximum burial depth is 30" from slab top to grade.
- 3. Weight = 14,900 lbs.
- Treatment capacity is 600 GPD. Pump compartment set-up for a 360 GPD Flow Rate (4 beedroom, < 4,000 sq/ft living aera). Please specify for additional set-up requirements. BOD Loading = 1.62 lbs. per day.
- Standard tablet chlorinator or Optional Liquid chlorinator. NSF approved chlorinators (tablet & liquid) available.
- Bio-Robix B-550 Control Center w/ Timer for night spray application. Optional Micro Dose (min/sec)timer available for drip applications. Electrical Requirement to be 115 Volts, 60 Hz, Single Phase, 30 AMP, Grounded Receptacle.
- 20" Ø acess riser w/ lid (Typical 4). Optional extension risers available.
- 8. 20 GPM 1/2 HP, high head effluent pump.
- 9. HIBLOW Air Compressor w/ concrete housing.
- 10. 1/2" Sch. 40 PVC Air Line (Max. 50 Lft from Plant).
- 11. 1" Sch. 40 PVC pipe to distribution system provided by contractor.
- 12. 4" min. compacted sand or gravel pad by Contractor

WORKING LEVEL = 53" 14.49 GAL/INCH

DIMENSIONS:

Outside Height: 67"
Outside Width: 63"
Outside Length: 164"

MINIMUM EXCAVATION DIMENSIONS:

Width: 76" Length: 176"

-See Note 12.

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

Model: B-550-PC-400PT

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

Scale

* All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-B550-3



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

Liberty Pumps[®]



Models:

SINGLE PHASE

LE102M 208-230V, 8a, manual LE102A 208-230V, 8a, automatic

3-PHASE

LE103M 208-230V, 5.3a, manual* LE104M 440-480V, 2.5a, manual* LE105M 575V, 1.9a, manual*

*NOTE: 3-phase models require control panel for automatic operation. See sewage accessories literature for complete information on all Simplex and Duplex controls.

Sewage Pumps

1 hp 2" Solids-Handling 2" or 3" Flanged Discharge

00-Series

Features:

- Rugged 2 vane, semi-open cast iron impellers
- Cast iron housings and volute with all stainless and brass fasteners
 - Stainless steel shaft
 - Oil-filled, hermetically sealed motors
- Built-in thermal protection on single phase models
 - 2" or 3" flanged discharge
- Permanently lubricated upper and lower ball bearings
 - Unitized shaft seals
- Single float mechanical level control with series plug for manual bypass operation– standard on single-phase automatic models
 - Adjustable pumping range
- Quick-connect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor (Optional longer cord lengths available)

LE 100-SERIES

TECHNICAL SPECIFICATIONS

PUMP

The pump(s) shall be m	odel
as manufactured by Lik	oerty Pumps, Bergen, N.Y.
or equal. The pump(s) s	shall have a capacity of
GPM at a total d	lynamic head of
feet. Motor size shall be	e 1 horsepower,
phase, 60 hz. and	volt operation.

MOTOR

The pump motor shall be of the submersible type, oil filled, and hermetically sealed. Single phase motors shall have thermal overload protection embedded in the windings, and shall automatically reset when motor cools. Three-phase motors shall have overloads incorporated into the control panel, properly sized for the horsepower and amperage of the pump(s).

The rotor shaft shall be made of stainless steel and shall be supported by upper and lower ball bearings.

The power cord shall be of the quick-connect design.

IMPELLER

The pump impeller shall be cast iron, 2 vane, semi-open, and shall be capable of passing a 2" spherical solid.

SEAL

On single phase the shaft seal shall be of the carbon/ ceramic unitized design, with BUNA N elastomers and stainless housings. The 3 phase shall be silicon carbide.

EXTERNAL CONSTRUCTION

The pump volute, legs and motor housing shall be heavy gray iron castings, class 25 or better. All castings shall be powder coated before assembly. All fasteners shall be of 300-series stainless steel.

LEVEL CONTROL

The pump shall be controlled by an adjustable mechanical switch sealed in a PVC float, and shall have a series plug for manual bypass operation.

ALL MODELS: 1 HP, 1725 RPM

	MODELS	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC
SINGLE PHASE	LE102M2	208-230	1	8	2" FLANGED	NO
	LE102A2	208-230	1	8	2" FLANGED	YES
	LE102M3	208-230	1	8	3" FLANGED	NO
	LE102A3	208-230	1	8	3" FLANGED	YES
3-PHASE	LE103M2-2	208-230	3	5.3	2" FLANGED	NO
	LE104M2-2	440-480	3	2.5	2" FLANGED	NO
	LE105M2-2	575	3	1.9	2" FLANGED	NO
	LE103M3-2	208-230	3	5.3	3" FLANGED	NO
	LE104M3-2	440-480	3	2.5	3" FLANGED	NO
	LE105M3-2	575	3	1.9	3" FLANGED	NO

10' cord standard on single phase models. For 25' cord option, add a "-2" suffix to model number. Example: LE102A2-2 For 35' cord option add "-3" suffix to model number. Example: LE102A2-3.

NOTE: 25' cord is standard on 3-Phase models. 3-Phase models require panel for automatic operation. See sewage accessories literature for complete information on all simplex and duplex controls. 50' cord option available on single phase models only. (Bare leads, no plug.)

Add "-5" suffix to model number. Example LE102M3-5.

DIMENSIONAL DATA:

Weight: LE102M: 64 LBS.

Height: 18.9"

Major Width: 12.5"

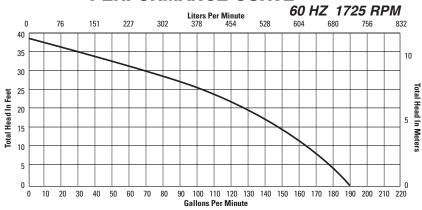
Maximum fluid temperature:

140 degrees F.



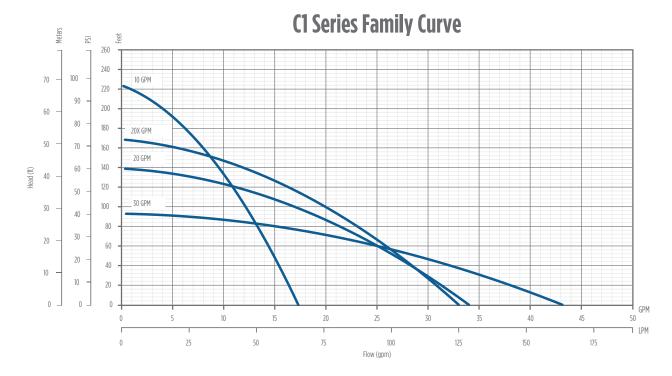
Specifications are subject to change without notice.

PERFORMANCE CURVE









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 guiet 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			
		230	7	10C1-05P4-2W230	90301010	26	17			
20 20X		115	5	20C1-05P4-2W115	90302005	25	16			
	1/2	230	5	20C1-05P4-2W230	90302010	25	16			
		115	6	20XC1-05P4-2W115	90302015	26	17			
		230	6	Z0XCI-05P4-ZWZ30	90302020	Zb	17			
30		115	4	30C1-05P4-2W115	90303005	25	16			
υ		230	4	30C1-05P4-2W230	90303010	25	16			

Note: All units have 10 foot long SJ00W leads.



franklinwater.com M1698 07-14

Douglas R. Dowlearn D.A.D. Services, Inc. PO Box 212 Bulverde, TX 78163 (210)240-2101 txseptic@gmail.com

May 14th 2024

RE: 2167 Glenn Drive - Supply and Flush Line Variance Request

To Whom It May Concern:

I am red ling a varue for lacens supply diffus les to red within 1 a steer pe. To ariance is lester to line tions probably the or laster large a lot.

The supp description of a lines of SCH 80 I line lines where the feating of the supply an energy lines will protect the supply and therefore, lient protection and an incomplete the supply and the suppl

In my professional opinion, this variance will not pose a threat to the environment or public health.

If there are any questions or concerns, please contact me at 210,240,2101 or by email at txseptic@gmail.com.

Sincerely,

Douglas R. Dowlearn, R.S.

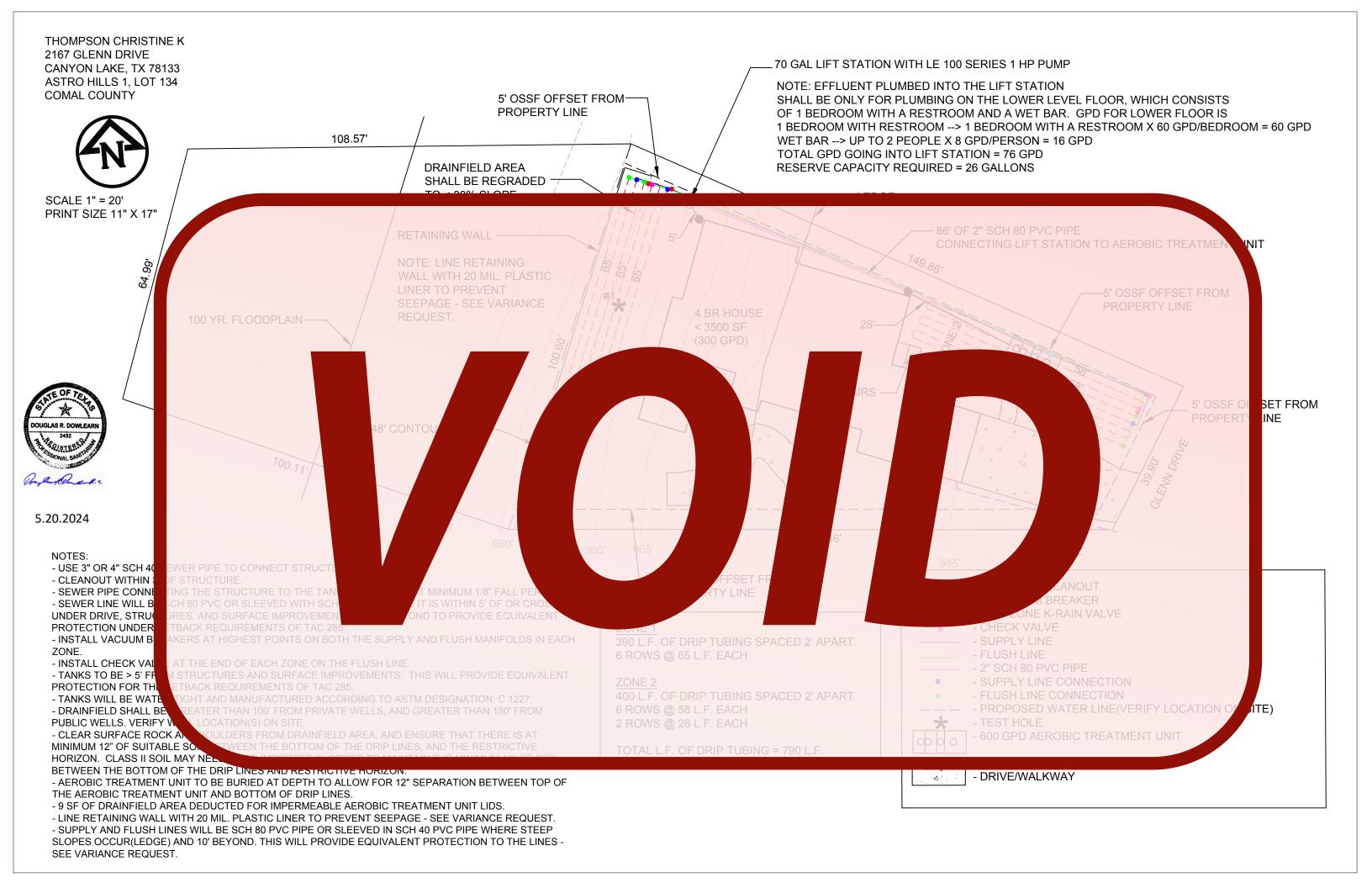
DOUGLAS R. DOWLEARN

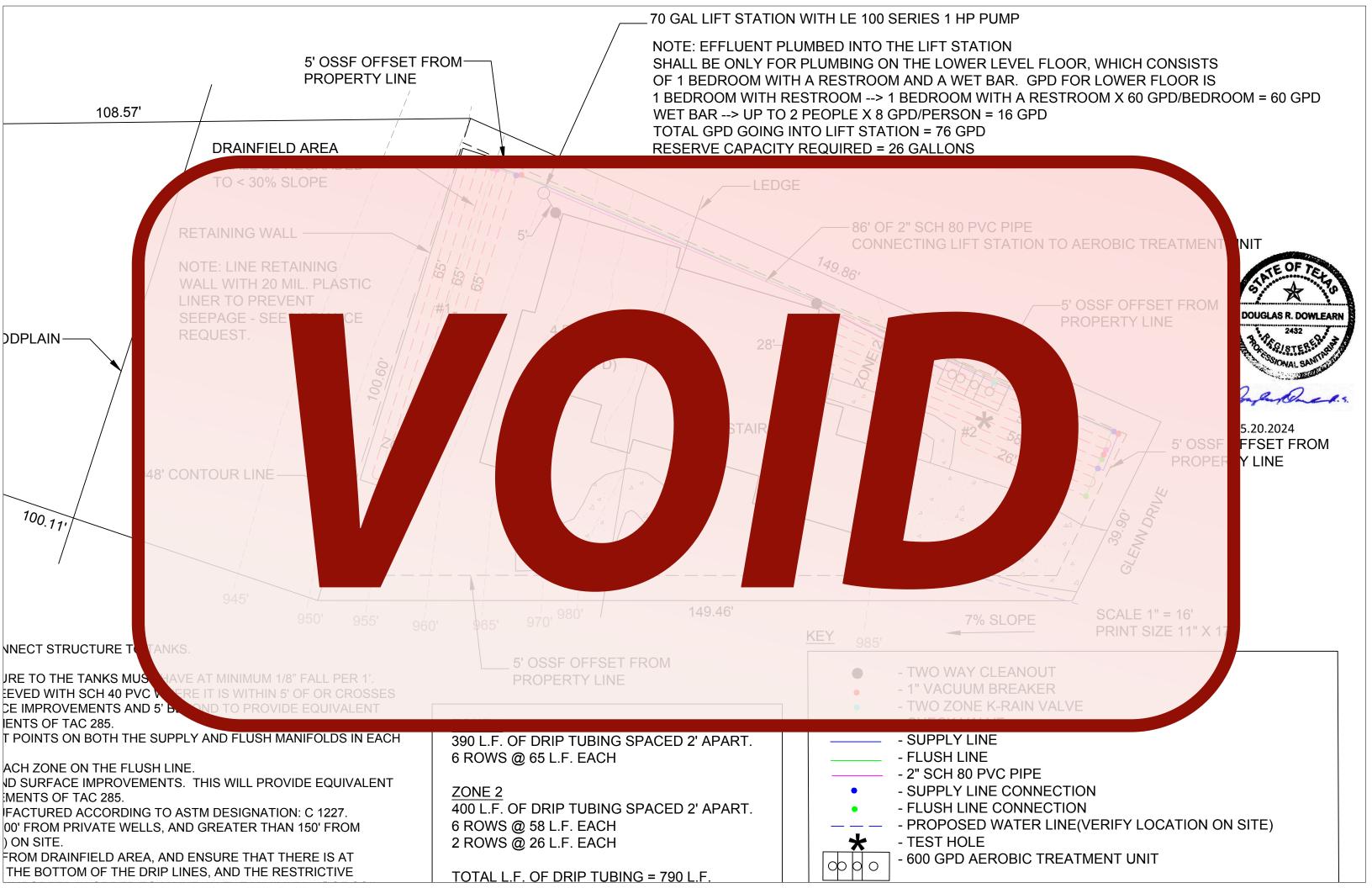
2492

2492

OMAL SAMMAN

OMAL SAMMAN





August 13, 2024

Permit: 117696



RE: 2167 Glenn Dr. Astro Hills Lot 134

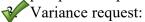
Dear Property Owner & Agent,

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



Our office will be conducting a site visit on 08-14-2024.

Based on the purposed wastewater coming from the lower level, how will the 70 gal pump tank capture all of the 76 gallons generated?



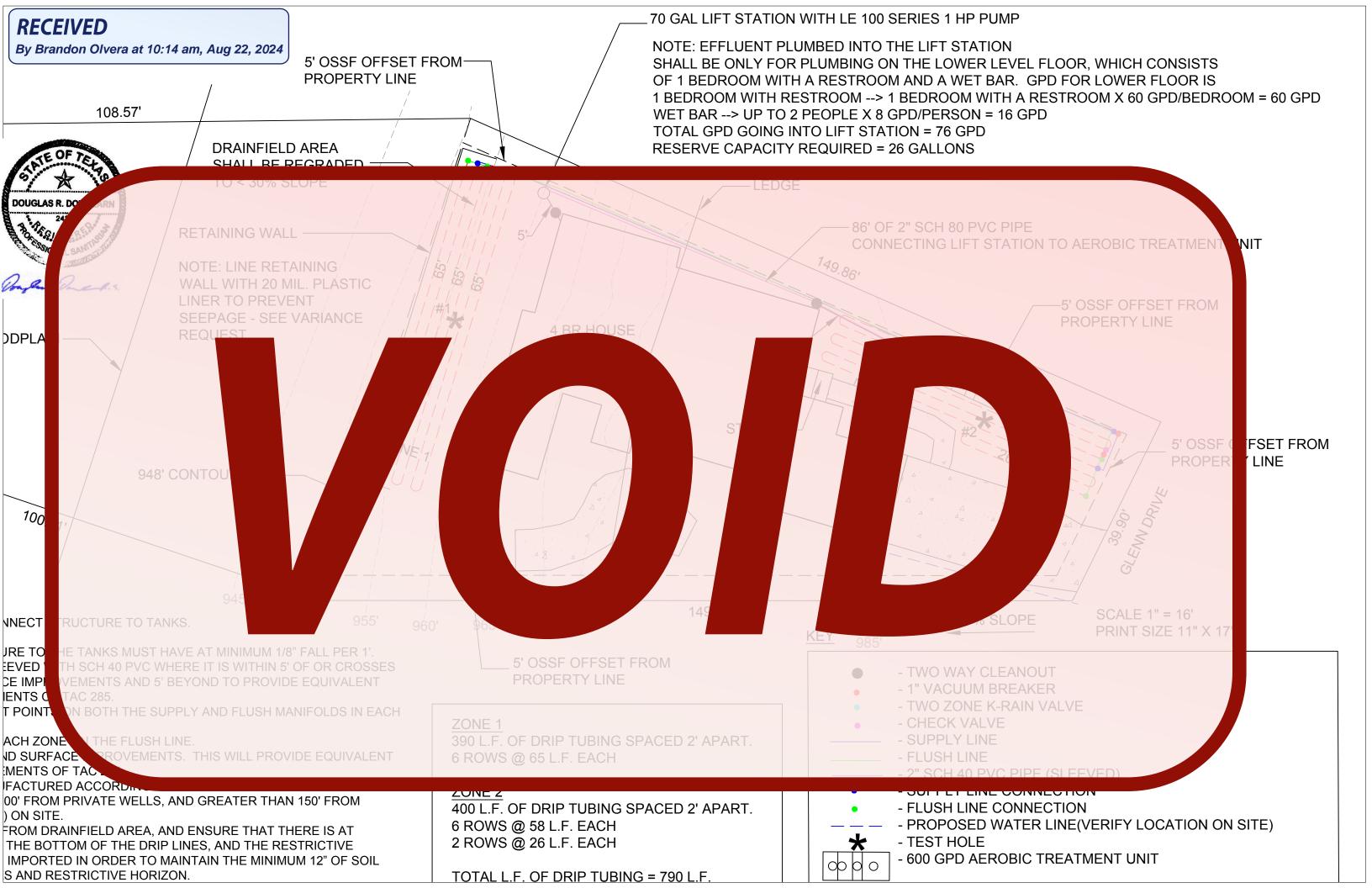
- a. We will approve the use of sleeving for the sewer pipe with water tight joints proximity to slopes where seeps may occur.
- The tight line from the grinder pump to the ATU also has a 10 ft separation distance from Slopes where seeps may occur. 285.91(10) Table X
- 5. Revise accordingly and resubmit.

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

Thank You,

Brandon Olvera | Designated Representative OS0034792 |

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



RECEIVED THOMPSON CHRISTINE K By Brandon Olvera at 10:14 am, Aug 22, 2024 2167 GLENN DRIVE _70 GAL LIFT STATION WITH LE 100 SERIES 1 HP PUMP CANYON LAKE, TX 78133 ASTRO HILLS 1, LOT 134 NOTE: EFFLUENT PLUMBED INTO THE LIFT STATION COMAL COUNTY 5' OSSF OFFSET FROM-SHALL BE ONLY FOR PLUMBING ON THE LOWER LEVEL FLOOR, WHICH CONSISTS PROPERTY LINE OF 1 BEDROOM WITH A RESTROOM AND A WET BAR. GPD FOR LOWER FLOOR IS 1 BEDROOM WITH RESTROOM --> 1 BEDROOM WITH A RESTROOM X 60 GPD/BEDROOM = 60 GPD 108.57' WET BAR --> UP TO 2 PEOPLE X 8 GPD/PERSON = 16 GPD TOTAL GPD GOING INTO LIFT STATION = 76 GPD SCAL PRIM CONNECTING LIFT STATION TO AEROBIC TREATMEN UNIT FFSET FROM Y LINE S R. DOWLEARN **UUM BREAKER** O ZONE K-RAIN VALVE SITE) BET - AERC THE AER - LINE RETAINING WALL WITH 20 MIL. PLASTIC LINER TO PREVENT SEEPAGE - SEE VARIANCE REQUEST. - SUPPLY AND FLUSH LINES WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE STEEP SLOPES OCCUR(LEDGE) AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION TO THE LINES - SEE VARIANCE REQUEST. - 2" SCH 40 PVC PIPE FROM THE LIFT STATION WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE STEEP SLOPES OCCUR(LEDGE) AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION TO THE LINE -SEE VARIANCE REQUEST.

70 GALLON FIBERGLASS LIFT STATION TANK

STRONG FIBERGLASS DESIGN

This 70 gallon fiberglass tank is designed to be directly buried used will

gri

STAT



- 28
- 70
- 2" pui
- 28
- 23
- 30
- 21

Custon

RISERS AND HEAVY DUTY COVERS AVAILABLE









(877)-925-5132 www.septicsolutions.com

WORKING LEVEL = 28.5" GALLONS/INCH = 2.456 GAL/INCH

17" - 28.5" - RESERVE - 28.24 GAL 17" - ALARM ON

15" - PUMP ON

8" - 15" - WORKING LEVEL - 17.192 GAL

0 - 8" - SUMP - 19.65 GAL

NOTES:

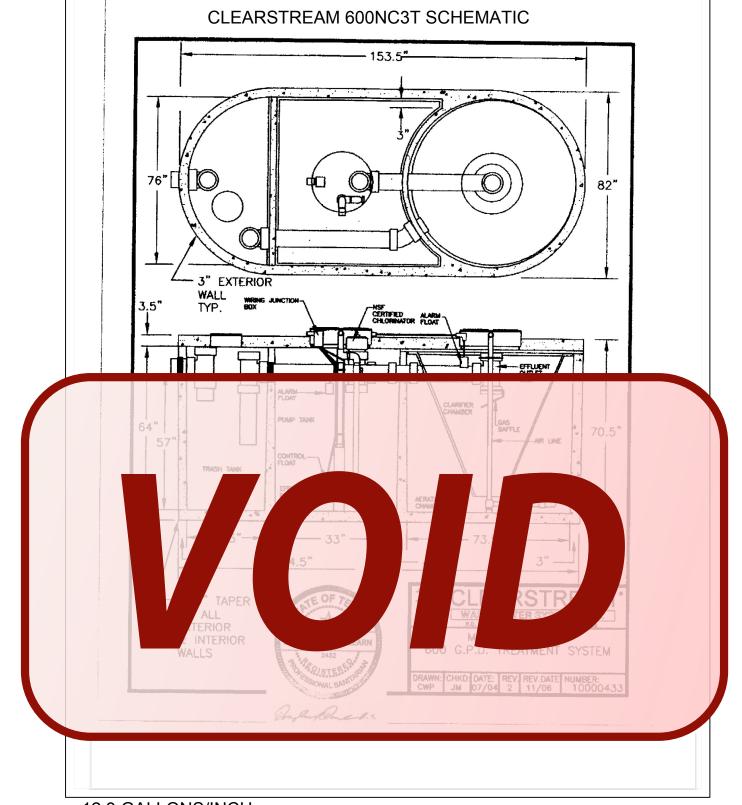
- SET TO ACTIVATE ON DEMAND.
- USE LIBERTY LE 100 SERIES, 1 HP PUMP.
- EFFLUENT PLUMBED INTO THE LIFT STATION

SHALL BE ONLY FOR PLUMBING ON THE LOWER LEVEL FLOOR, WHICH CONSISTS OF 1 BEDROOM WITH A RESTROOM, AND A WET BAR. GPD FOR LOWER FLOOR IS

1 BEDROOM WITH A RESTROOM --> 1 BEDROOM WITH A RESTROOM X 60 GPD/BEDROOM = 60 GPD WET BAR --> UP TO 2 PEOPLE X 8 GPD/PERSON = 16 GPD

TOTAL GPD GOING INTO LIFT STATION = 76 GPD

RESERVE CAPACITY REQUIRED = 26 GALLONS



12.3 GALLONS/INCH

43" - 57" - RESERVE - 172.2 GALLONS

43" - ALARM ON

12" - 43" - PUMP ON TO ALARM ON - 381.3 GALLONS

10" - 12" - PUMP OFF TO PUMP ON - 24.6 GALLONS

0 - 10" - SUMP - 123 GALLONS

NOTE: SET ON A TIMER TO DOSE 15 TIMES PER DAY AT 10 MINUTES PER DOSE.

D.A.D SERVICES, INC.

DOUG DOWLEARN PO BOX 212, BULVERDE, TX 78163

> Designed for: Thompson Christine K

The installation site is at lot 134 of the Astro Hills 1 Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 4 Bedroom (< 3500 sq. ft.) residence. The proposed method of wastewater treatment is aerobic treatment with drip irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 3" or 4" PVC pipe will discharge from the upper level of a structure to a Clearstream Model 600NC3T aerobic treatment plant containing a pre-treatment tank, a 600 gpd aerobic treatment plant, and a pump tank equipped with a 20 gpm submersible pump. A 3" or 4" PVC pipe will discharge from the lower level(consisting of 1 bedroom with a restroom and a wet bar) of a structure to a 70 gallon lift station with a LE 100 Series 1 HP pump. Effluent is pumped through 2" SCH 80 PVC pipe to the previously mentioned Clearstream Model 600NC3T aerobic treatment plant. The pump in the aerobic treatment unit pump tank is activated by a time controller allowing the distribution 15 times per day with a 10 minute run time per dose, with float switches set to pump 300 gallons per day. A high level audible and visual alarm will activate should the nump fail. Distribution from the nump is through a self flushing 100 micron, 140 mesh disc filter, they arrough a 1" SCH-40 manifold to a two zone K-Rain valve, which distributes effluent to two zones Zone 1 and Zo 22. Zone 1 shall have 390 L.F. of drip tubing, while Zone 2 shall have 400 L.F. of drip tubing, totaling \(\lambda\) The dup lines shall be set approximately two feet apart with 0.61 gph emitters set every two feet, as per the attached 0 L.F. scher atic. A threaded union will be installed in the pump tank on the supply manifold to the drip field, and a press re regulator will be installed on the supply manifold to maintain a pressure of 30 psi. A 1" SCH-40 return line is installed on the supply manifold to maintain a pressure of 30 psi. ed to continuously flush the ld will pevent siphonin alled on the flus line. which will isolate each ass II soil vall be added so t

DESI GN SPECIFICA N

Dail Waste Flow: 30

Application rate: 0.2

Application area require $\sqrt{0/.2} = 1500 \text{ sg.}$

App cation area utilized: 1580 sq. ft. - 9 sq. ft. (impermeable lids) = 1571 sq. ft.

Pum tank reserve capacity: 100 gal minimum

SYSTEM

SCH 40 PVC sewer line

Clearstream Model 600NC3T aerobic treatment plant

Pre treatment tank 600 gpd aerobic treatment plant

Do spa acrobic treatment plant

Pump tank with timed controls

C1 Series, 20Xgpm - 0.5hp/115V, Model No. 20C1X-05P4-2W115 (or equivalent)

1" purple PVC supply line

30 PSI pressure regulator - Model PMR30MF

Netafim Bioline Drip tubing

Two Zone K-Rain Valve

70 Gallon Lift Station

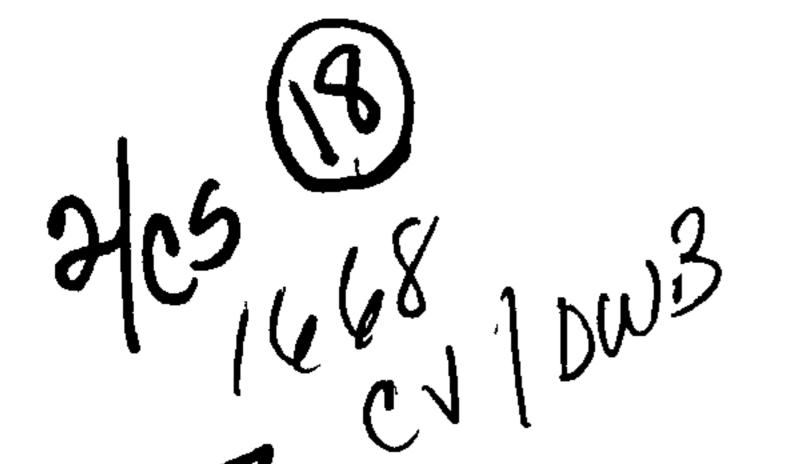
Liberty LE 100 Series 1 hp pump

LANDSCAPING:

The native vegetation in the distribution area should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the drip disposal must be covered with a ground cover such as grass seed or sod prior to the final inspection.

angle Deces

5.20.2024





General Warranty Deed

Date:

September //_____, 2018

Grantor:

Klaus Adam and Joyce M. Miller

Grantor's Mailing Address:

1906 Bowline Rd. Horston TX 77062

Grantee:

Christine K. Thompson

Grantee's Mailing Address:

2200 Glenn Dr., Canyon Lake, Tx 78133

Consideration:

Cash and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

Property (including any improvements):

Lot 134, Astro Hills Unit No. 1, a subdivision in Comal County, Texas, according to the map or plat thereof recorded in Volume 2, Page 32, of the Map and Plat Records of Comal County, Texas

Reservations from Conveyance:

None

Exceptions to Conveyance and Warranty:

Validly existing easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2018, which Grantee assumes and agrees to pay, but not subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantor assumes.

Grantor, for the Consideration and subject to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty, grants, sells, and conveys to Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's heirs, successors, and assigns forever. Grantor binds Grantor and Grantor's heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's heirs,

successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty.

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

Klaus Adam

Joyce M. Miller

STATE OF TEXAS

COUNTY OF LOWIS

This instrument was acknowledged before me on September 17 2018, by Klaus Adam and Joyce M. Miller.

Notary Public, State of Texas

PREPARED IN THE OFFICE OF:

DWAIN W BLASCHKE

P.O. Box 1744

Canyon Lake, TX 78133

Tel: (830) 964-4442 Fax: (830) 964-4426

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
11/01/2018 11:11:40 AM
TERRI 2 Page(s)

NANCY CARRIZALES

Notary Public

STATE OF TEXAS

NOTARY ID # 129474932

My Comm. Expires 06-28-2021

