

OSSF DEVELOPMENT APPLICATION CHECKLIST

ENGINEER'S OFFICE	Stat	t will complete s	haded items
f. Fire	11/17/2025	cm	119193
	Date Received	Initials	Permit Number
Instructions:			
Place a check mark next to all items that apply. For items that apply accompany the completed application.		ce "N/A". This O	SSF Development Application
OSSF Permit			
Completed Application for Permit for Authorization	n to Construct an On-Site	Sewage Facility	y and License to Operate
Site/Soil Evaluation Completed by a Certified Site	Evaluator or a Professio	nal Engineer	
Planning Materials of the OSSF as Required by the of a scaled design and all system specifications.	ne TCEQ Rules for OSSF	Chapter 285. F	Planning Materials shall consist
Required Permit Fee - See Attached Fee Schedu	le		
Copy of Recorded Deed			
Surface Application/Aerobic Treatment System			
Recorded Certification of OSSF Requiring I	Maintenance/Affidavit to t	he Public	
Signed Maintenance Contract with Effective	Date as Issuance of Lice	ense to Operate	
I affirm that I have provided all information require constitutes a completed OSSF Development Applic		ment Application	on and that this application
Comic Amid		-17-25	oto.
Signature of Applicant			
COMPLETE APPLICATION Check No. Receipt No.	(Mi		TE APPLICATION led, Application Refeused)



ON-SITE SEWAGE FACILITY APPLICATION

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

Date 10-17-25			Permit I	Number 119	193
1. APPLICANT	/ AGENT INFORMATION				
Owner Name	Edgar Juarez	Agent Name	Bucky Sm	nith	
Mailing Address	s 660 Horseshoe Track	Agent Address	202 Reim	er Ave	
City, State, Zip	Spring Branch,TX 78070	City, State, Zip	San Marc	os,TX 78666	
Phone #	512-848-7739	Phone #	512-644-6	980	
Email		Email	smithsept	icdesign@gmail.	.com
2. LOCATION		manufacturity purpose			
Subdivision Na	me Rebecca Creek Park	U	Jnit	Lot 12	Block 28
	Abstract Number			Acreage	9 .32
	orseshoe Track				Zip 78070
3. TYPE OF DE					
Single Fa	mily Residential				
Type of C	Construction (House, Mobile, RV, Etc.) mo	obile home			
Number	of Bedrooms 3				
Indicate S	Sq Ft of Living Area 1064				
Non-Sing	le Family Residential				
	materials must show adequate land area for d	oubling the required land nee	ded for trea	tment units and dis	sposal area)
Type of F	acility				
• •	Factories, Churches, Schools, Parks, Etc.	- Indicate Number Of Occ	upants		
	nts, Lounges, Theaters - Indicate Numbe				
	otel, Hospital, Nursing Home - Indicate Nu				
	ailer/RV Parks - Indicate Number of Space				
Miscellan					
Estimated Co	est of Construction: \$ 80,000	(Structure Only)			
Is any portion	of the proposed OSSF located in the Ur	ited States Army Corps of	Engineers	(USACE) flowag	ge easement?
☐ Yes 🔀	No (If yes, owner must provide approval from				
Source of Wa	ter Public Private Well	Rainwater			
4. SIGNATURE					
By signing this ap - The completed facts. I certify the	oplication, I certify that: application and all additional information subn at I am the property owner or I possess the				
site/soil evaluat	hereby given to the permitting authority and of ion and inspection of private sewage facilities				
by the Comal C	at a permit of authorization to construct will no ounty Flood Damage Prevention Order. onsent to the online posting/public release of				
GRAIN	maren -	172-17-	25		
Signature of	owner /	Date			Page 1 of



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 Co	rrie Smith
System Description aerobic drip	
Size of Septic System Required Based on Planning Materials & Soil	Evaluation
Tank Size(s) (Gallons) 600 gpd ATU Abso	orption/Application Area (Sq Ft) 1200
Gallons Per Day (As Per TCEQ Table III) 240	
(Sites generating more than 5000 gallons per day are required to obtain a p	ermit through TCEQ.)
Is the property located over the Edwards Recharge Zone? Yes	No
(If yes, the planning materials must be completed by a Registered Sanitaria	n (R.S.) or Professional Engineer (P.E.))
Is there an existing TCEQ approved WPAP for the property?	s 🔀 No
(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all I	provisions of the existing WPAP.)
Is there at least one acre per single family dwelling as per 285.40(c)	(1)? X Yes No
If there is no existing WPAP, does the proposed development activit	y require a TCEQ approved WPAP? 🔲 Yes 🔀 No
(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with a be issued for the proposed OSSF until the proposed WPAP has been approximately the proposed WPAP has been approximately the proposed will be a proposed with a a pr	
Is the property located over the Edwards Contributing Zone? X	s No
Is there an existing TCEQ approval CZP for the property? X 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 a issued for the proposed OSSF until the CZP has been approved by the app	
Is this property within an incorporated city? Yes No	
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 known	pwledge.
- I affirmatively consent to the online posting/public release of my e-mail	address associated with this permit application, as applicable.
Corni Smith	10-17-25
Signature of Designer	Date The state of



WASTEWATER TREATMENT SYSTEM MAINTENANCE CONTRACT

Customer		Residential	Initial Contract
Edgar Elias Juarez Juarez		V	
Site Address		Agency	
660 Horseshoe Track, Spring Branch, TX 78070		Comal County	
Email	Phone	Permit Number	r
ryanpatrickmurphy08@gmail.com	7378022683		
System Details			
Treatment: Aerobic Drip Emitters / System: 1500 Max GPD			

MAINTENANCE AGREEMENT

I. General:

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

II. Dates & Fees:

This agreement co	ommences upon receipt by the Contractor of notice th	nat the Local Regu	latory Agency has given					
final approval of t	he installation (for a new or modified system), or on	11/13/2025	for an existing system,					
provided the Contractor has received payment in full of Fee(s) as agreed herein. The fees for this agreement are								
\$550.00	and shall be prepaid per the payment terms outlined	herein.						

III. Renewal Terms:

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

IV. Services by Contractor:

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

Repairs are additional services not covered by the Fee. Regarding all such work, Contractor shall abide by Client's election in Section V of this agreement.

- 5. Report to the appropriate regulatory agency and to Client, as required by the State of Texas' on-site rules and, if required, TCEQ or County rules. All findings must be reported to the appropriate regulatory agency within 14 days.
- 6. Visit site within 48 hours of a service request.
- 7. Provide Customer Support line at (855) 560-9909

V. Client Responsibilities:

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

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

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

VI. Authority

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

VII. Access By Contractor

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

VIII. Payment Terms:

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

IX. Application or Transfer of Payment:

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

X. Termination of Agreement:

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

XI. Limitation of Liability:

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

XII. Severability:

If any provision of this agreement shall be held to be invalid or unenforceable for any reason the remaining provisions shall continue to be held valid and enforceable. If a court finds that any provision of this agreement is invalid or unenforceable, by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

Edgar Elias Juarez Juarez	Luna Environmental / Logan Leppo						
Signed by: Customer Name	Signed by: Maintenance Provider Name Sagar 1940 License # MP0002494						
Customer Signature	Maintenance Provider Signature						
Additional Comments / Special Terms							



Kristen H. Hoyt, PCAC

COMAL COUNTY TAX ASSESSOR/COLLECTOR 205 N. Seguin Avenue New Braunfels, TX 78130

New Braunfels, TX 78 (830) 221-1353

Statement Date:

11/04/2025

Owner:

JUAREZ EDGAR

Mailing Address:

252 TRAILS END RD DRIFTWOOD TX 78619

2024+ Tax Statement

Property Account Number:

47054

Property Location:

0000660 HORSESHOE TRACK

Acres:

0

Legal Description:

REBECCA CREEK PARK SECOND FILING

BLOCK 28 LOT 12

Exemptions:

IMPROVEMENT VALUE	LAND MARKET VALUE	NON-HOMESITE IMPRV	NON-HOMESITE LAND	AG VALUE	MINER	RAL VALUE	PERSONAL PROPERTY	TOTAL MARKET VALUE
0	67,640	0	67,640	0		0	0	67,640
Tax	ing Entities	Exer	nption Amount	Taxable V	alue	Tax Rate	ax Rate Per \$100 Base Ta	
COMAL COUN	ΓY		0		67,640	(0.226715	153.35
COMAL COUNT	TY LATERAL	1	0	1	67,640	(0.037515	25.38
COMAL ISD			0		67,640	1	.086900	735.18
ESD 1			0		67,640	(0.069826	47.23
ESD 4			0		67,640	(0.066832	45.21
						TOTAL B	BASE TAX	1,006.35

Total Amount	Due	0.00

*ADDITIONAL COUNTY SALES TAX REDUCED YOUR COUNTY AD VALOREM TAX BY \$52.44.









Visit our website for online credit card payments.



47054

CCAD

2024 +Tax Statement 11/04/2025

◆ Detach ◆
Return With Payment

Property Account Number 47054

Total Amount Due \$0.00

IF PAID IN	AMOUNT DUE
DEC	0.00
JAN	0.00
FEB	0.00
MAR	0.00
APR	0.00
	0.00

Please Make Checks Payable To: Kristen H. Hoyt, PCAC Tax Assessor-Collector

JUAREZ EDGAR 252 TRAILS END RD DRIFTWOOD TX 78619 NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

Five Star Title GF #077290 HJ.

Warranty Deed with Vendor's Lien

Date:

May 20, 2025

Grantor:

BES Strategic Investments, LLC

Grantor's Mailing Address:

204 S. Austin Street

Seguin, Texas 78155

Grantee:

Edgar Juarez, a married person

Grantee's Mailing Address:

252 Trails End Rd.

Driftwood, Texas 78619

Consideration:

Cash and a note of even date executed by Grantee and payable to the order of GRANTOR in the principal amount of FIFTY SEVEN THOUSAND and NO/100 (\$57,000.00) DOLLARS. The note is secured by a first and superior vendor's lien and superior title retained in this deed in favor of GRANTOR and by a first-lien deed of trust of even date from GRANTEE to Anthony O. Schaker, trustee.

Property (including any improvements):

Lot 12, Block 28, Rebecca Creek Park Subdivision, Second Filing, Comal County, Texas, according to plat thereof recorded in Volume 1, Page 28, Map and Plat Records of Comal County, Texas.

Reservations from and 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 restrictions, reservations, covenants, conditions, oil and gas leases, mineral interests outstanding in persons other than Grantor, and other instruments, other than conveyances of the surface fee estate, that affect the property; validly existing rights of adjoining owners in any walls and fences situated on a common boundary; any discrepancies, conflicts, or shortages in area or boundary lines; any encroachments or overlapping of improvements; and taxes for the current year and subsequent amounts for prior

years due to change in land usage, the payment of all of which Grantee assumes and agrees to

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.

The vendor's lien against and superior title to the Property are retained until each note described is fully paid according to its terms, at which time this deed will become absolute.

BES STRATEGIC AVESTMENTS, LLC

ENGERHAUSEN IT'S: MANAGING MEMBER

ACKNOWLEDGMENT

STATE OF TEXAS

COUNTY OF GUADALUPE

This instrument was acknowledged before me on

2025 by Erik

Saengerhausen, Managing Member of BES Strategic Investments, L.

lfter recording, return to: VE STAR TITLE 14 N. Austin St. oguin, Texas 78155

Official Public Records Bobbie Koepp, County Clerk Comal County, Texas 05/21/2025 04:24:03 PM

MARY 2 Pages(s) 202506015114

Printed Name of Notary Public

Filed and Recorded

Bobbie Keepp

LIKOWIK

Warranty Deed with Vendor's Lien/ML

Smith Septic Design and Consultation



Designed for: Juarez Residence

660 Horseshoe Track

Spring Branch, TX



Smith Septic Design and Consultation contact information:

Bucky Smith · 202 Reimer Ave · San Marcos, TX 78666 · 512-644-6980

smithsepticdesign@gmail.com

Design Report
On-Site Sewage Facility
Aerobic Wastewater Treatment System
Drip Irrigation Application

Owner/Site Location:

Juarez Residence 660 Horseshoe Track Spring Branch, TX



Site Description & Evaluation:

A site evaluation indicated that the site is suitable for an aerobic drip irrigation system. The disposal area has a slope of less than 15% and there was no evidence of shallow groundwater. This residence will utilize a public water supply as a water source. All portions of the proposed OSSF must maintain at least a 10' setback from all water lines. This site does not lie in the regulated 100 year floodplain. There were no recharge features found within 150' of the proposed OSSF. Minimum separation distances as stated in Chapter 285 (TCEQ) On-Site Sewage Facilities, must be maintained.

Wastewater Design Flow:

This design is for a 3 bedroom mobile home <2500 Square feet = 240 GPD. Low flow fixtures will be utilized. The system is designed for 240 gallons per day.

Aerobic Treatment System Description:

This residence will utilize a Nuwater B-550 ATU. Wastewater from the residence will flow to a 353 gallon trash tank followed by 600 gallon aeration unit and a 768 gallon pump tank. Distribution to the Netafim Bioline tubing is through a SCH 40 PVC supply line. A 100 micron filter, pressure regulator, and check valves will be placed on the supply line. The SCH 40 PVC flush line will have a ball valve installed to set the required flushing velocity back into the pump chamber. Vacuum relief valves will be placed on the highest end of the drain field, one on the supply line and one on the flush line. The system will not be required to use chlorine as a disinfecting agent. Existing soil will be scarified and 6" of soil will be placed on top of the scarified soil. The tubing will be placed on the imported soil. A minimum of 6" of class III soil is required to cover the tubing. The drain field will be seeded or hydro mulched. I certify that this OSSF meets the requirements of the existing CZP.

DESIGN SPECIFICATIONS

Daily Flow: 3 bedroom <2500 square feet = 240 gpd

Required Disposal Area: 240/.2 = 1200 square feet

Length of Tubing: 600 feet

Brand of Tubing: Netafim Bioline 0.6 GPH @35 PSI

Dosing Rate: Bioline tubing will flow 0.62GPH(0.01GPM) @ 35 PSI 600 feet of

tubing with emitters every 2 feet = 300 emitters

300 emitters x 0.01 GPM = 3.0 GPM dosing rate

Distribution Pipe: 1" SCH 40 purple manufactured pipe

ATU Pump: Franklin C1 Series

Pump Off: @ 6.0"

Pump On: @ 10.0"

Alarm On: @ 27.0"

Reserve Above Alarm: 376.74 gallons



Date: 9/8/2025 Client: Juarez Location: 660 Horseshoe Track Netafim Bioline: 17mm .6gph 24in spacing @ 2fps Flush 17. Headworks Head Loss: Maximum Recommended Bioline Lateral Length: 300 1. Soil Texture or Perc Time: 113 2. Soil Structure Shape: Miscellaneous Head Loss: 10 Soil Structure Grade: 18. gal/day/ft^2 3. Infiltration Loading Rate(ILR): 0.2 4 Slope: 87.3 Design Total Dynamic Head: Infiltration Depth: in. 19. 5. 6. Hydraulic Linear Loading Rate: 4 gal/day/ft 7. Maximum Contour Length (MCL): 150 20. Pump Data: MINIMUM Pump Specifications 8. Daily Flow 240.00 80.00 Flow / Bedroom Pump Model Selected No. of Bedrooms **GPD** Franklin C1 Series 6.2 GPM @ 87.3 FT. Phase 0.5 Volts Note: Selected pump must produce 115 ft @ 12gpin or 35 gom for filter flush depending 9. Dosing Area 240.00 0.20 1200.00 on filter model. (auto-flush units only) Daily Flow sqft 21. Dosing Schedule Minutes Peak Flow Adjustment 0.00 10. Dosing A. Length Peak Average Minutes 240.00 4.00 60.00 Total Run Time: 80.0 Minutes Total Run Time 80.0 Total Rest Time 1360.0 Total Rest Time: 1360.0 Minutes Minutes Daily Flow HLLR Peak 3.00 GPM Min/Dose 30.0 Gal/Dose 8.0 Cycles/Day 10.0 11. Dosing A. Width Zone 1 **GPM** Min/Dose 0.0 Gal/Dose 0.0 Cycles/Day 10.00 1200.00 120.00 Zone 2 0.00 GPM 0.0 Gal/Dose 0.0 Cycles/Day Min/Dose Dosing Area Dosing A. Length Zone 3 0.00 GPM Min/Dose 0.0 Gal/Dose 0.0 Cycles/Day Zone 4 0.00 GPM Min/Dose 0.0 Gal/Dose 0.0 Cycles/Day 11a. Dosing Design Width & Length Adjustment Zone 5 120.00 ft 0.00 GPM Min/Dose 0.0 Gal/Dose 0.0 Cycles/Day Design Width 10.00 ft Adjusted Dosing Length Zone 6 Avg **GPM** 10.0 Min/Dose 30.0 Gal/Dose 8.0 Cycles/Day 12. Required Dripper Line Zone 1 3.00 6.00 GPM 0.0 Cycles/Day 0.0 Min/Dose 0.0 Gal/Dose 1200.00 600.00 Zone 2 0.0 Cycles/Day 0.00 GPM 0.0 Min/Dose 0.0 Gal/Dose Dosing Area **Drip line Spacing** Zone 3 Zone 4 0.00 GPM 0.0 Min/Dose 0.0 Gal/Dose 0.0 Cycles/Day 0.00 GPM Cycles/Day 13. Required Zones Zone 5 0.0 Ga/Dose 0.0 0.0 Min/Dose 0.00 GPM Min/Dose 0.0 Gal/Dose 0.0 Cycles/Day 120.00 150,00 0.80 Zone 6 0.0 MCL+ Dosing A. Length Theoretical Design Zones Portion of Peak Daily Flow 100% 14. Zone Breakout Table b. C. d, Total Required Zone Dosing Force Main Supply Line Return Flush Line Field Flush Field Field Linear Ft. Number Static Lift Dosing Longest Flow **Total Flow** Pipe Pipe Zone No. of Tubing of Distal Rate Flushing Head Lateral (ft) Area Rate Nom. Len. of Head Nom. Dia. Len. of Head Loss (ft) Ends (gpm) Head (sqft) (gpm) (gpm) Dia. (in) Run (ft.) Loss (ft) Run (ft.) Loss (ft) (in) (TFHL) 1.00 1200.0 59.27 Zone 1 600.0 300.0 3.0 2.0 3.2 6.2 51.5 1.00 55 1.3 75 0.5 0.0 0.0 0.0 Zone 2 0.0 0.0 0.0 0.0 0.1 0.12 0.0 0.0 Zone 3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.0 0.12 Zone 4 0.0 0.0 0.0 0.0 0.0 0.0 0.12 Zone 5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 Zone 6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.12 Note: (14c) Longest lateral may be looped one or more times and is a function of: (7) contour length, Bioline lateral length, #of distal ends, #of zones and (10) dosing area length.

15. Max Required Total Flow: 6.2
(Largest RTF Based on 14g.)

16. Max Total Field Head Loss: 59.3

(Largest TFHL Based on 14p.)

Notes

Bioline Must Be Selected at Top of Page. Required inputs go in YELLOW spaces and adjustments in BIUE spaces. Information for the record goes into GREF spaces. Incorporates New UniRam Type Emitter. Peak Flow Cycle Adjustment should be between 2 and 4 minutes. Higher values could result in damage to the drain field.

Copyright JNM Technologies, Inc. 7-2009

Juarez Residence 660 Horseshoe Track Spring Branch, TX 78070

LEGEND

A: 3 Bedroom, Single Family Residence, < 2,500 Sq. Ft.

B: 3" or 4" SCH 40 PVC Pipe with Two Way Clean Out

C: NuWater Aerobic Treatment Unit, Model B-550

D: 1" SCH 40 PVC Supply Line

E: 1" SCH 40 PVC Return Line

F: 600 Linear Feet of Purple Netafim Drip Tubing, 2 Runs @ 300' (See Drain Field Notes)

G: Waterline

H: Air/Vacuum Relief Valve

I: 1.5" Ball Valve (to remain partially open to allow continuous flushing during dosing)

J: 100 Micron Disc Filter

K: Driveway

X: Profile Hole

PROPERTY NOTES

30' Building Setback on Front Property Line

10' Building Setback on Side Property Lines

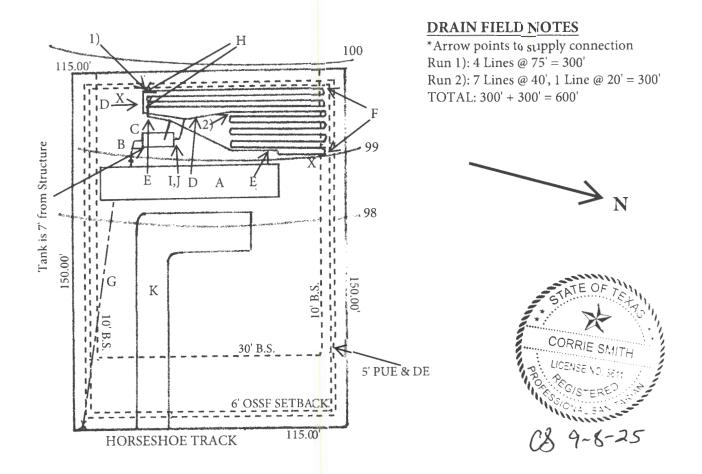
6' OSSF Setback on All Property Lines

5' Utility and Drainage Easement on All Property Lines

5' Septic Tank Setback from Structure

1' Drip Tubing Setback from Structure

 $\frac{\text{SCALE}}{1 \text{ INCH}} = 40 \text{ FEET}$



Assembly Details

OSSF



See Note 9. See Note 9.-See Note 5 See Note 10. See Note 7. See Note 11. Inlet Flow Line O 53"" 59" Pump 768 Gal. Agration Clariffer treatment 190 Gal. 353 Gal.

Diffuser Bar

GENERAL NOTES:

- Plant structure material to be precast concrete and steel.
- Maximum burial depth is 30" from slab top to grade.
- 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).
- 1" Sch. 40 PVC pipe to distribution system provided by contractor.
- 12. 4" min. compacted sand or gravel pad by Contractor

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.

See Note 8.

Dwg. #: ADV-B550-3



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



BIOLINE® DRIPLINE

THE WORLD'S MOST ADVANCED CONTINUOUS SELF-CLEANING, PRESSURE COMPENSATING DRIPLINE SPECIFICALLY DESIGNED FOR WASTEWATER

Copper oxide is impregnated into the emitter serving as a natural antimicrobial agent to help prevent microbial activity.



PRODUCT ADVANTAGES

- Pressure compensation all drippers deliver equal flow, even on sloped or rolling terrain.
- Unique flow path Turbonet technology provides more control of water and a high resistance to clogging.
- Continuous self-flushing dripper design flushes debris, as it is detected - throughout operation, not just at the beginning or end of a cycle. Ensures uninterrupted dripper operation.
- · Single hole dripper outlet from tubing:
 - Better protection against root intrusion
 - Allows the dripline to be used in subsurface applications without need for chemical protection
- Drippers capture water flow from the center of the tubing ensures that only the cleanest flow enters the dripper.
- Built-in physical root barrier drippers are protected from root intrusion without the need for chemical protection.
- Three dripper flow rates provides the broadest range of flow rates available. Allows the designer to match the dripline to any soil or slope condition.
- Bioline tubing is completely wrapped in purple easily identifying it for non-potable use, regardless of how the tubing is installed.
- Cupron copper oxide is impregnated at specific concentrations, our patent-pending process, ensuring it remains effective throughout the life of the product.
- Bioline can be installed on-surface, under cover or subsurface.
- No special storage requirements does not degrade if stored outdoors.



Can be used with domestic santitional effluent with proper design, filtration and operation

 Reuse applications including municipally treated effluent designated for irrigation and other disinfected and non-disinfected water sources.

SPECIFICATIONS

- Dripper flow rates: 0.4, 0.6 or 0.9 GPH
- Dripper spacings: 12", 18" or 24" dripper spacings and blank tubing
- · Pressure compensation range: 7 to 58 psi
- Maximum recommended system pressure:
 58 psi
- Tubing diameter: 0.66" OD, 0.56" ID
- Tubing color: Purple color indicates nonpotable
- Coil lengths: 500' or 1,000' (Blank tubing in 250')
- · Recommended filtration: 120 mesh
- Bending radius: 7"
- UV resistant
- Tubing material: Linear low-density polyethylene

Additional spacing and pipe sizes available by special order. Please contact Netafim USA Customer Service for details.

BIOLINE DRIPLINE

MAXIMUM LENGTH OF A SINGLE LATERAL WITH 3.0 fps FLUSH VELOCITY ADDITIONAL FLOW OF 2.3 GPM REQUIRED PER LATERAL TO ACHIEVE 3 fps

DIM	TER FLUW KATE (GPH)	U.A GPH	O.S GPTI	0.9 HPTS	0.4 GPM	O.D GPH	0.3 GPH	U.4 GPTH	U.b GPM	0.9 GPH
**	15	102	94	84	138	127	113	161	151	137
55	25	151	136	118	203	184	161	245	223	197
8	35	193	171	146	260	232	200	315	283	245
19	40	211	186	158	286	254	218	347	311	267
2	45	228	200	169	310	274	233	377	335	287
Flov	w per 100' (GPM / GPH)	0.67/40	1.02/61	1,59/92	0.44/28.67	8,08/41	1,02/61	0.34/29	0.51/31	0.77/46

Lateral lengths are based on flows allowing for a 3 fps flushing/scouring velocity

MAXIMUM LENGTH OF A SINGLE LATERAL WITH 2.5	ps FLUSH VELOCITY
---	-------------------

1	RIPPER SPACING		12"		500				24"	
DRIP	PER FLOW RATE (GPH)	0.4 GPH	0.6 GPH	0.3 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH
	15	128	115	100	172	155	136	205	187	165
RESSURE	25	183	161	137	248	220	188	301	268	231
PRES	35	228	198	166	310	272	229	379	333	283
19	40	248	214	178	338	295	247	413	362	305
2	45	266	229	190	384	316	263	447	389	327
Flow	per 100' (GPM / GPH)	0.67/40	1.02/01	1.53/82	0.44/28.87	0.6m/41	1.02/81	0.84/20	0.51/31	0.77/46

Lateral lengths are based on flows allowing for a 2.5 fps flushing/scouring velocity

MAXIMUM LENGTH OF A SINGLE LATERAL WITH 2.0 fps FLUSH VELOCITY ADDITIONAL FLOW OF 1.6 GPM REQUIRED PER LATERAL TO ACHIEVE 2.0 fps

	DRIPPER SPACING		12"			18"		24"		
DRE	PER FLOW RATE (GPH)	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	O.E GPH	0.9 GPH	0.4 GPH	0,6 GPH	0.5 GPH
WE.	15	161	141	119	217	191	164	263	233	201
RESSUR	25	221	190	157	302	261	218	369	321	270
PRES	35	268	229	187	370	316	260	455	391	324
9	40	290	246	200	399	340	278	493	421	347
3	45	310	261	212	427	362	296	527	449	368
Flov	v per 100' (GPM / GPH)	0.67/40	1.02/61	1.53/82	8.44/26.57	0.00/41	1.02/01	0.34/20	0.51/31	8,77/46

Lateral lengths are based on flows allowing for a 2 fps flushing/scouring velocity

MAXIMUM LENGTH OF A SINGLE LATERAL WITH 1.5 fps Flush velocity

D	RIPPER SPACING		12"			18'			24"	
DRIPP	ER FLOW RATE (GPH)	0.4 GPH	O.S GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.5 GPH	0.9 GPH
	15	201	171	140	275	235	194	337	289	241
ESSUR	25	266	222	179	366	308	251	453	383	313
P. B.	35	316	262	210	437	365	295	543	455	369
5	40	337	280	223	469	391	313	583	487	393
=	45	358	296	235	497	413	331	619	517	415
Flow	per 100' (GPM / GPH)	0,67/46	1,02/61	1,53/1/2	8,44/25.57	8.66/41	1,82/61	0.34/20	0.51/31	0.77/46

Lateral lengths are based on flows allowing for a 1.5 fps flushing/acouring velocity

MAXIMUM LENGTH OF A SINGLE LATERAL WITH 1.0 fps FLUSH VELOCITY ADDITIONAL FLOW OF Q.S GPM REQUIRED PER LATERAL TO ACHIEVE 1.0 fps

	DRIPPER SPACING		12"			18"		24"			
DRIPPER FLOW RATE (GPH)		0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH 0.6 GPH		0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH	
ш	15	248	205	163	344	285	228	427	355	285	
SSURE	25	315	258	203	440	361	286	549	453	359	
PRES	35	367	299	234	513	419	331	643	527	417	
1	40	389	316	248	545	445	350	683	559	441	
*	45	409	332	280	574	468	367	721	589	463	
Flov	per 100' (GPM / GPH)	0.87/40	1,02/61	1.53/92	0.44/28.87	0.86/01	1.02/61	0.34/28	0.51/31	0.77/46	

Lateral lengths are based on flows allowing for a 1 fps flushing/scouring velocity

MAXIMUM LENGTH OF A SINGLE LATERAL WITH 0.5 fps FLUSH VELOCITY ADDITIONAL FLOW OF 0.4 GPM REQUIREO PER LATERAL TO ACHIEVE 0.5 fps

1	DRIPPER SPACING 12				8119	18	-	Ž4".		
DRIP	PER FLOW RATE (GPH)	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	OLG GPH	0.9 GPH	0.4 GPH	O.S GPH	Q.5 GPH
ш	15	301	242	188	422	341	265	531	429	335
ESSIN	25	369	296	228	520	418	323	655	527	409
PRES	35	421	337	260	595	476	368	749	603	467
MLET	40	443	354	273	626	501	387	790	635	491
	45	464	371	285	656	524	404	829	665	513

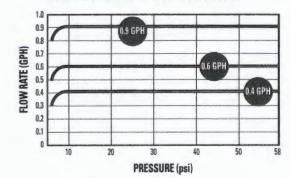
Flow per 100" (GPM / GPH) 0.57/46 1.60/61 1.50/62 0.44/28.97 0.88/41 1.82/61 0.34/20 0.51/55 0.77/46

Lateral lengths are based on flows allowing for a 0.5 fps flushing/scouring valocity

Netafim recommends flushing velocities capable of breaking free any accumulated bioslimes and debris in the piping network

- Notes: 1. Refer to local regulations for information on flushing velocities that may be written into codes.
 - 2. Netafim does not endorse a specific flushing velocity.
 - 3. Flushing velocities should be determined based on regulations, quality of effluent, and type of flushing control.
 - 4. Using a flushing velocity less than 1 fps does not provide turbulent flow as defined by Reynolds Number.
 - 5. Higher flushing velocities provide more aggressive flushing.

DRIPPER FLOW RATE VS. PRESSURE



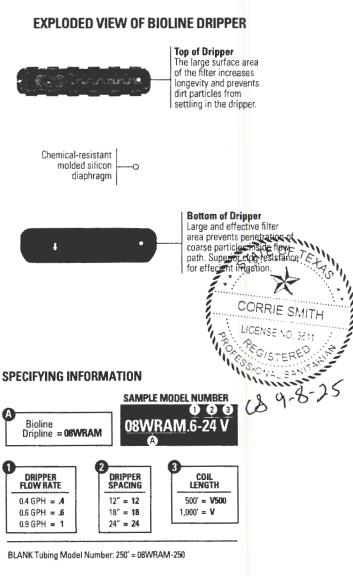
Between 0 and 7 psi, the dripper functions as a turbulent flow emitter, ensuring that the nominal design flow is not exceeded at system start-up.

CORRIE SMITH

FLOW PER	R 100 FEE	T					
DRIPPER	0.4 GPH	DRIPPER	0.6 GPH	DRIPPER	0.9 GPH DRIPPER		
SPACING	GPH	GPM	GPH	GPM	GPH]	GPM	
12"	40.0	0.67	61.0	1.02	92.0	1.53	
18"	26.7	0.44	41.0	0.68	61.0	1.02	
24"	20.0	0.34	31.0	0.51	46.0	0.77	

Netafim sets the bar for innovation in drip irrigation with copper. Cupron® copper oxide-based technology allows for maximum performance. The integration of copper oxide in the internal emitter, and the unique patented emitter design with physical root barrier provides two levels of protection, giving your system the protection it needs to fight against root intrusion.

- Cupron copper oxide provides one of two layers of defense against root intrusion, a physical root barrier inside the dripper provides the other.
- Cupron copper oxide technology will not wash out, wear off or leach out; remaining effective throughout the life of the product.
- Cupron copper oxide is approved for use by the EPA ensuring peace of mind.



BIOLINE DRIPPER OPERATION

Bioline drippers are pressure compensating - delivering the water uniformly into the soil for further treatment or for reuse by the landscape. These unique drippers allow the tubing to be installed on flat topography or steep slopes.

Bioline drippers are protected against microbial activity. Copper oxide impregnated XR drippers — Copper, a natural antimicrobial material, is used to help prevent microbial activity.

Netafim drippers are continuously self-cleaning during operation, not just at the beginning and end of a cycle. The result is dependable, clog-free operation, year after year.

ORDERII	ORDERING INFORMATION									
FLOW RATE	DRIPPER SPACING	COIL LENGTH	MODEL Number							
0.4 GPH	12"	1,000° 500°	08WRAM.4-12V 08WRAM.4-12V500							
0.4 GPH	18"	1,000' 500'	08WRAM.4-18V 08WRAM.4-18V500							
0.4 GPH	24"	1,000' 500'	08WRAM.4-24V 08WRAM.4-24V500							
0.6 GPH	12"	1,000' 500'	08WRAM.6-12V 08WRAM.6-12V500							
0.6 GPH	18"	1,000' 500'	08WRAM.6-18V 08WRAM.6-18V500							
0.6 GPH	24"	1,000° 500°	08WRAM.6-24V 08WRAM.6-24V500							
0.9 GPH	12"	1,000' 500'	08WRAM1-12V 08WRAM1-12V500							
0.9 GPH	18"	1,000° 500°	08WRAM1-18V 08WRAM1-18V500							
0.9 GPH	24"	1,000' 500'	08WRAM1-24V 08WRAM1-24V500							
Blank Tub	ing 17mm	250'	08WRAM-250							

BIOLINE FITTINGS

FITTING APPLICATIONS

· Fits Bioline Dripline

FITTING SPECIFICATIONS

- · Barbed fittings for a secure fit
- · Easy installation without glue or tools
- Allows for easy on-site inspection of proper fitting installation



TLCOUP Insert Coupling



TL050MA 1/2" Male Adapter



TLELL Insert Elbow



TL075MA ¾" Male Adapter



TLTEE Insert Tee



TL075FTEE Combination Tee Ins x Ins x ¾" FPT



TLCROS Insert Cross



TL2W075MA 2-Way Insert 3/4" MPT x Insert



TLIAPE-B Insert Adapter for 1" or Larger PE (Requires 11mm or 7/16" drill or punch)



TLIAPVC-B Insert Adapter with Grommet 1½" or larger PVC Pipe



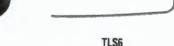
TDBIT16.5 Drill Bit for TLIAPVC Fitting (16.5mm or 21/32")



C& 9-8-25



TLFIG8
Figure 8 Line End



TLS6 6" Soil Staple



TLSOV Shut-Off Valve Ins x Ins



TLCV Inline Check Valve

• Flow Range: 0.9 to 4.4 GPM
• Opening Pressure: 10.2 psi

 Closing Pressure: 5.8 psi (13.4 Feet Column of Water)

FITTING DEFINITIONS

FPT = Female Pipe Thread MPT = Male Pipe Thread Ins x Ins = Insert by Insert



NETAFIM USA 5470 E. Home Ave. Fresno, CA 93727 CS 888 638 2346 www.netafimusa.com



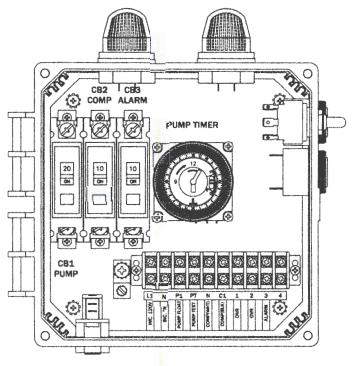
"A-AV" Model Aerobic Control Panel

Features & Benefits

- Circuit Breakers for Pump, Compressor & Alarm Circuits
- 24 Hr Timer w/15 minute intervals
- Large & Easy to Access Terminal Block
- Externally Mounted Run/Mute/Test Switch w/UV resistant sealing boot
- Externally Mounted Audible Alarm
- Rugged UV resistant Externally Mounted Alarm Light
- Durable Weather Resistant Hinged Poly Enclosure
- Labeled Back Panel
- Ground Lug
- Easily Replaceable Components
- Nema 4x Rating
- Color Coded Internal Wiring
- Built and Labeled to UL 508A Standard
- Works with most Aerobic Treatment Systems
- Provided with Wiring Schematic and Detailed Connection Diagram for Installer
- Mounting Feet for Enclosure
- Two year limited control panel warranty

Available Options

- Externally Mounted Pump Test Switch
- Externally Mounted Air Pressure Switch
- Auto-Dialer
- Locking Stainless Steel Latch
- Repeat Cycle Timer Option
- Mercury or Mechanical Float Switches for the Pump and High Water Alarm Circuits



(50B138-BIO-A-AV SHOWN)

NOTE: Comp. alarm switch located on enclosure door





Note: Consult the factory for other available options. Also some options may require an increase in the enclosure size.

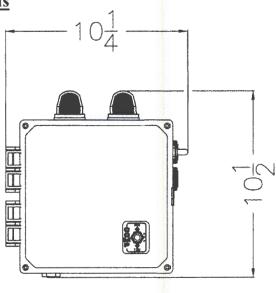


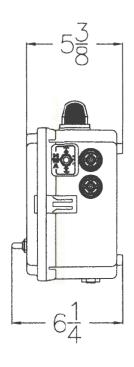
CORRIE SMITH



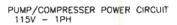
"A-AV" Model Aerobic Control Panel

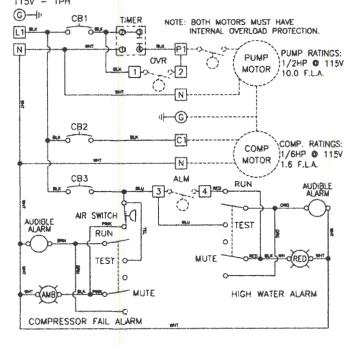
Panel Dimensions



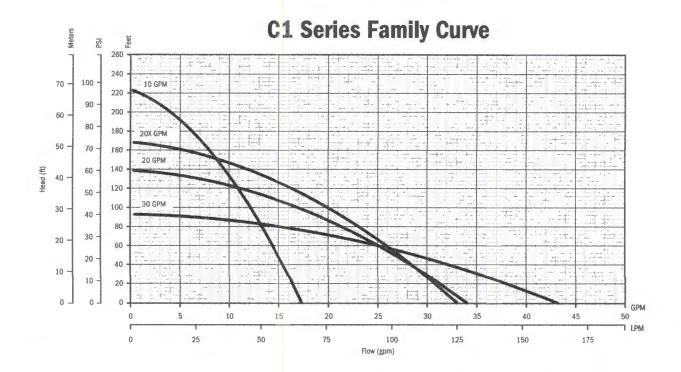


Wiring Schematic





C1 SERIES C1 SERIES CISTERN PUMPS CORRIE SMITH induction sleeve. Intended specifically for use in a distern or tank, C1 Series pumps



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, 1/2 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 w



ORDERING INFORMATION

	A de la constantina	A Day	194		<u> </u>		
				C1 Serie	s Pumps		
GPM	HP	Volts	Stage	Model No.	Order No.	Length (in)	Weight (lbs)
40		115	7	10C1-05P4-2W115	90301005	26	17
. 10		230	1	10C1-05P4-2W230	90301010	26	
20		115	5	20C1-05P4-2W115	90302005	25	16
20	1/2	230	5	20C1-05P4-2W230	90302010	20	
20X		115	6	20XC1-05P4-2W115	90302015	26	17
201		230	6	20XC1-05P4-2W230	90302020	26	
30		115	4	30C1-05P4-2W115	90303005	25	16
30	1	230		30C1-05P4-2W230	90303010	25	

Note: All units have 10 foot long SJOOW leads.



Tank Notes:

- The bottom of the excavation for the tanks shall be level and free of large rocks and debris.
- All tanks are to be set level on a layer, with a minimum thickness of 4 inches, of sand, sandy loam, clay loam, or pea gravel.
- Risers are required over all tank openings and must extend 2" above grade
- Risers shall be permanently fastened to the tank lid.
- The riser lid shall screw down and have a lock or weight 65lbs.
- A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap.
- All openings in the tank must be properly sealed to prevent the escape of wastewater, or to prevent the infiltration of water.
- Tanks must be filled with water for 24-hours to test for leaks and structural integrity.
- The tanks must be set low enough to have fall of at least 1/8" per foot from house to tag
- PVC pipe from house to tank must be at least Sch.40 or SDR 26.

Additional Notes:

- Install audio-visual alarm for aerator and pump on separate breakers.
- The high water and air compressor alarms shall be audio/visual and mounted in a place that can be easily seen and heard when the alarms are activated.
- A hose bib must be installed in pump tank at tank inspection port.
- The chlorinator must be constructed to allow a chlorine residual of 0.1mg/1 in the pump tank for the period of time between scheduled inspections. The disinfected effluent must obey the standards as stated in §285, TCEQ, On-Site Sewage Facilities. Approved disinfection methods using chlorinated tablets, must use calcium hypochlorite that is properly labeled for wastewater disinfections.

Maintenance Requirements:

- The applicant must furnish to the regulatory authority a valid maintenance contracts with a certified maintenance company before a permit will be issued.
- The maintenance company will verify that the system is operating properly and that they will provide on-going maintenance of the installation.
- The initial contract will be a minimum of 2 years.
- A maintenance contract will authorize the Maintenance Company to maintain and repair the system as
 needed.
- The owner must continuously maintain a signed written contract with a valid maintenance company and shall submit a copy of the contract to the permitting authority at least 30 days prior to the date service will cease.

Affidavit:

- The applicant must file a certified copy of an affidavit at the County Clerk's office and filed in reference to the real property deed on which the surface application system is to be installed.
- The affidavit will state that the property shall not be transferred to a new owner without:
 - (1) The new owner being advised that the property contains a surface application system for wastewater disposal;

- (2) The permit issued to the previous owner of the property being transferred to the new owner in accordance with §285.20(5) of the TCEQ OSS Rules, i.e.; the permit will be issued in the name of the owner of the OSSF. Permits shall be transferred to the new owner automatically upon legal sale of the OSSF. The transfer of an OSSF permit under this section shall occur upon actual transfer of the property on which the OSSF is located unless the ownership of the OSSF had been severed from the property.
- (3) The new owners submitting a valid maintenance contract to the permitting authority.

Operation and Management Notes:

- The OSSF should not be treated as a normal city Sewer.
- Water conservation practices should be used at all times. Consult your local authorities for more information.
- Run the dishwasher with a full load whenever possible.
- Avoid running water continuously when brushing teeth, washing hands, or cleaning food and utensils.
- Repair any water leaks immediately, such as running toilets or leaky faucets.
- The owner is responsible for cleaning and pumping the septic tank, typically every 2 to 3 years depending on system usage.
- Do not use the toilet to dispose of tissue, feminine hygiene products, trash, cigarettes, etc.
- It is recommended that you do not use the garbage disposal and/or garbage grinders in the facility serviced by this system.
- Household chemicals should be used in moderation.
- According to §285, no water softener will be allowed to enter the OSSF.
- Chemical additives or the so-called enzymes should not be used during the operation of this system. Some of these additives may even be harmful to the facilities operation.
- Do not build driveways, storage buildings, decks, or other structures over the tank or disposal area.
- The OSSF must be protected from coming in contacts with vehicular traffic.
- A strong vegetative cover is essential for the proper operation of this system. The property owner is solely responsible for maintaining this vegetation. The irrigation area should be groomed by mowing on a regular basis.
- If you notice a problem with the spray patterns, or any of the alarms are activated, contact your maintenance provider immediately.
- Never place a greater wastewater load on your system than that prescribed by the design of the system (240 gallons per day).

*The proposed system has been designed generally following the minimum requirements under TCEQ §285 On-Site Sewage Facilities. The site evaluation and subsequent design are based on technical information currently available. The performance of the OSSF is not, and cannot be guaranteed even though all provisions of the Standards have been complied with. If failure should occur, additions to the OSSF may have to be made. In extreme cases a substitute system may be required. By accepting this design, the homeowner/contractor understands the aforementioned conditions, and agree that the designer will not be liable for any more than the agreed upon design.

CS 9-8-25





ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

1. OWNER INFORMATION:					
Property Owner's Full Legal Name: Edgar Juarez					
, <u> </u>					
2. PROPERTY INFORMATION (the property or tract for which an Appli	cation has l	been submitted	under the Hays		
County Development Regulations):					
911 street address for the Subject Property (if established): 660 Horsesh	oe Trac	k			
City: Spring Branch	Zip Code:	78070			
Legal description:					
Lot: 12 Block: 28 Subdivision: Re Deca Creek Park		Sec:	Phase:		
If not located in a subdivision: Survey:					
Abstract:	Recorded (Vol/Page):				
If a 911 street address has not yet been assigned to the Subject Property, the Applicant must co	ntact the 911	Coordinator at (51	2) 393-2160 to obtain		
an address.					
3. SITE EVALUATION INFORMATION:					
Name of Site Evaluator: Corrie Smith	0\$#:0029488				
Date Performed: 9-1-25	Propos	sed Excavation I	Depth: NA		

4. REQUIREMENTS:

- At least two soil evaluations must be performed on the site at opposite ends of the proposed disposal area. Locations of soil evaluations must be shown on the application site drawing or designer's site drawing.
- For subsurface disposal, soil evaluations must be per formed to a depth of at least 2 feet be ow the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.
- Please describe each soil horizon and identify any restrictive features in the space provided below. Draw lines at the appropriate depths.

Soil Profil	e Hole Number:	1			
Depth (ft)	Textural Class	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
2 3 11	III	230%		ræk	suitable for drip
3 4 5					CORRIE SMITH
					LICENSE VO. 36"

Soil Profil	e Hole Number	2			
Depth (ft)	Textural Class	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0 4' 2 3 4 5	TIL	430%		rack	suitable for drip

5. FEATURES OF SITE AREA:

Presence of 100 year flood zone	☐ Yes 🄀 No
Presence of adjacent ponds, streams, water impoundments	☐ Yes ∑ No
Existing or proposed water well in nearby area	🗌 Yes 💹 No
Organized sewage available to lot or tract	🗌 Yes 😾 No
Recharge features within 150 feet	🗌 Yes 🔀 No
This site is suitable for a standard On-Site Sewage Facility	☐ Yes 🄀 No

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

Signature of Site Evaluator:	\mathbf{X}	Come Smith
Print Name:		Corrie Smith
Date:		9-1-25





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AFFIDAVIT TO THE PUBLIC

THE COUNTY OF COMAL STATE OF TEXAS

Pebbie S. Smith

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

T

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (commission) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and§ 5.013, gives the commission primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The commission, under the authority of the TWC and the Texas Health and Safety code, requires owner's to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

An OSSF requiring a maintenance contr §285.91 (12) will be installed on the prop 660 Horseshae Track Rebecca Creek Erk Block 28	act, accordi perty describ Spring Br	ng to 30 Texas A ped as (insert leg anch, W 7	Administra gal descrip 8070	otive Code otion):
The property is owned by (insert owner's	s full name):	Edgar Ju	wez	
This OSSF must be covered by a contininitial two-year service policy, the owner shall either obtain a maintenance contra	of an aerob	ic treatment sys	tem for a	single family residence
Upon sale or transfer of the above-described to the buyer or new owner. A copy of the Comal County Engineer's Office.	e planning	materials for the	OSSF ca	in be obtained from the
WITNESS BY HAND(S) ON THIS	17th	DAY OF <u>D</u>	tober	, 20 25
Edgar Juary Owner(s) signature(s)				
Owner(s) signature(s)	<u> </u>			
SWORN TO AND SUBSCRIBED BEFO	RE ME ON	THIS		
Wabbie S. Smith	20 25		4	DEBRAS. SMITH My Notary ID # 7170875
Hebbie S. Smith			0.	Expires December 29, 2028
Notary Public State of Tayas				



This page has been added to comply with the statutory requirement that the clerk shall stamp the recording information at the bottom of the last page.

This page becomes part of the document identified by the file clerk number affixed on preceding pages.

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
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Cobbie Koepp