

# Comal County Environmental Health

## OSSF Inspection Sheet

Installer Name: \_\_\_\_\_

OSSF Installer #: \_\_\_\_\_

1st Inspection Date: \_\_\_\_\_

2nd Inspection Date: \_\_\_\_\_

3rd Inspection Date: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

Permit#:

Address:

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

Inspector Notes:

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum 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) (II) 285.32(b)(1)(E)(ii) (I) 285.32(b)(1)(E) (i) 285.32(b)(1) (D) 285.32(b)(1)(C) (ii) 285.32(b)(1)(C) (i) 285.32(b)(1) (B) 285.32(b)(1) (A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed						
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo-transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

**Comal County Environmental Health  
OSSF Inspection Sheet**

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)				
25	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)				
28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
29	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
30	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)				
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				

**Comal County Environmental Health  
OSSF Inspection Sheet**

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)				
33	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.		285.32(c)(1)				
34	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						
35	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.						
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
37	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided						
39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						



**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	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)(ii) 285.33(d)(2)(G)(iii)(I)				
41	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)				
42	APPLICATION AREA Area Installed						
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



# COMAL COUNTY

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## ENGINEER'S OFFICE

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

Permit Number: 117272  
Issued This Date: 04/23/2024  
This permit is hereby given to: Hermosa Vista, LLC

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

1180 WINDING CREEK TRL  
SPRING BRANCH, TX 78070

Subdivision: Cypress Cove  
Unit: 1  
Lot: 293  
Block: n/a  
Acreage: 0.2300

#### APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic  
Drip Irrigation

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

Call (830) 608-2090 to schedule inspections.



**COMAL COUNTY**  
ENGINEER'S OFFICE

**OSSF DEVELOPMENT APPLICATION  
CHECKLIST**

Staff will complete shaded items

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Date Received

Initials

117272
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Permit Number

Instructions:

Place a check mark next to all items that apply. For items that do not apply, place "N/A". This OSSF Development Application Checklist **must** accompany the completed application.

OSSF Permit

- ☒ Completed Application for Permit for Authorization to Construct an On-Site Sewage Facility and License to Operate
- ☒ Site/Soil Evaluation Completed by a Certified Site Evaluator or a Professional Engineer
- ☒ Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist of a scaled design and all system specifications.
- ☒ Required Permit Fee - See Attached Fee Schedule
- ☒ Copy of Recorded Deed
- ☒ Surface Application/Aerobic Treatment System
  - ☒ Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public
  - ☒ Signed Maintenance Contract with Effective Date as Issuance of License to Operate

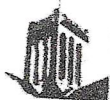
I affirm that I have provided all information required for my OSSF Development Application and that this application constitutes a completed OSSF Development Application.

Natally Torner  
Signature of Applicant

7-08-22  
Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

INCOMPLETE APPLICATION	
___ (Missing Items Circled, Application Refeused)	



COMAL COUNTY  
ENGINEERS OFFICE

# ON-SITE SEWAGE FACILITY APPLICATION

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

Date 8-23-22

Permit Number 117272

## 1. APPLICANT / AGENT INFORMATION

Owner Name Hermosa Vista LLC  
Mailing Address 742 Waverly Pass  
City, State, Zip SA, TX 78260  
Phone # 210 465 5978  
Email nhurrel1158@gmail.com

Agent Name Hoyt Seidante  
Agent Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone # 210 414 6603  
Email hoyt@leadstewardshipsewices.com

## 2. LOCATION

Subdivision Name Cypress Cove Unit 1 Lot 293 Block \_\_\_\_\_  
Survey Name / Abstract Number \_\_\_\_\_  
Address 1180 Winding Creek Trail City Spring Branch Acreage 1.234  
State TX Zip 78070

## 3. TYPE OF DEVELOPMENT

☒ Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) House

Number of Bedrooms 3

Indicate Sq Ft of Living Area 42500

☐ Non-Single Family Residential

(Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)

Type of Facility \_\_\_\_\_

Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants \_\_\_\_\_

Restaurants, Lounges, Theaters - Indicate Number of Seats \_\_\_\_\_

Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds \_\_\_\_\_

Travel Trailer/RV Parks - Indicate Number of Spaces \_\_\_\_\_

Miscellaneous \_\_\_\_\_

Estimated Cost of Construction: \$ 700,000 (Structure Only)

Is any portion of the proposed OSSF located in the United States Army Corps of Engineers (USACE) flowage easement?

☐ Yes ☒ No (If yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water ☒ Public ☐ Private Well

## 4. SIGNATURE OF OWNER

By signing this application, I certify that:

- The completed application and all additional information submitted does not contain any false information and does not conceal any material facts. I certify that I am the property owner or I possess the appropriate land rights necessary to make the permitted improvements on said property.
- Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities.
- I understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

Nelly Torres  
Signature of Owner

7-08-22  
Date





COMAL COUNTY  
EDWARDS RECHARGE

**RECEIVED**

By Brandon Olvera at 9:02 am, May 01, 2024

**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 Hoyt Seidensticker

System Description Aerobic with Drip Irrigation

Size of Septic System Required Based on Planning Materials & Soil Evaluation

Tank Size(s) (Gallons) 600 GPD ATA Absorption/Application Area (Sq Ft) 2738

Gallons Per Day (As Per TCEQ Table III) 240

(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ.)

Is the property located over the Edwards Recharge Zone? ☐ Yes ☒ No

(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? ☐ Yes ☒ No

(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? ☐ Yes ☒ No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)

Is the property located over the Edwards Contributing Zone? ☒ Yes ☐ No

Is there an existing TCEQ approval CZP for the property? ☐ Yes ☒ No

(If yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? ☐ Yes ☒ No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)

Is this property within an incorporated city? ☐ Yes ☒ No

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.

Hoyt Seidensticker  
Signature of Designer

8-23-22  
Date

1/CS

THE COUNTY OF COMAL  
STATE OF TEXAS



202206033500 07/22/2022 03:12:20 PM 1/1

AFFIDAVIT

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

I

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), §5.012 and §5.013, gives the commission primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The commission, under the authority of the TWC and the Texas Health and Safety Code, requires 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.

II

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code §285.91(12) will be installed on the property described as (insert legal description):

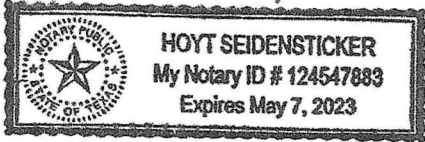
Winding Creek Trail  
Lot 293, Cypress Cove, Section One  
The property is owned by (owner as per deed) Hermosa Vista, LLC

This OSSF shall be covered by a continuous service policy 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 the OSSF may be obtained from (insert name of permitting authority).

WITNESS BY HAND(S) ON THIS 8 DAY OF July, 2022  
Nallely Torres Nallely Torres  
Owner(s) signature(s) Owner (s) Printed Name(s)  
\_\_\_\_\_  
Owner(s) signature(s) Owner (s) Printed Name(s)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 8 DAY OF July, 2022.  
HOYT SEIDENSTICKER  
Notary Public Signature



Filed and Recorded  
Official Public Records  
Bobbie Koepp, County Clerk  
Comal County, Texas  
07/22/2022 03:12:20 PM  
TERRI 1 Page(s)  
202206033500  
 Bobbie Koepp

Herr Septic Services  
2925 Hidden Elm  
San Antonio, tx 78261

**RECEIVED**

By Brandon Olvera at 3:01 pm, Apr 23, 2024

Phone: (210) 489-0843

Date Printed: 3/12/2024

Customer ID: 839

Site: 1180 Winding Creek Trl, Spring Branch, TX 78070

County: Comal

To: Nallely Torres

1180 Winding Creek Trl

Spring Branch, TX 78070

Contract is valid for two years after start date.

Main Phone

(210) 465-5978

Customer's Email: ntorres1158@gmail.com

Contract with: Herr Septic Services

Treatment Type: / Disposal:

MFG: / Brand: / S#:

Disinfectant:

**Contract Period**

through

**NO PERMIT ON FILE**

3 visits per year - one every 4 months

This is to Certify that the above RESIDENTIAL sewage system has a RENEWED inspections agreement per Texas Commission on Environmental Quality (TCEQ) standards for on site sewerage facilities as required.

Inspection reports by the above service company will be filed with the authorized agency as required by the TCEQ regulations. A weather proof tag or label will be attached to the controller showing the month that each inspection was made.

Items included on the Inspection Report generally include aerators, filters, irrigation pump, air compressor, disinfection device, chlorine supply, OK System light, spray field vegetation, probe, sprinkler or drip backwash.

We will visit your site within (48) hours of you notifying us of a problem.

Ben Herr is certified by the manufacturer of your system.

The air filter will be cleaned at each visit.

Homeowner is responsible for their own chlorine.

This agreement does not include the cost of repairs.

This agreement does not include the cost of (CHLORINE & Repairs).

Home Owner: Nallely Torres

Date: 3/19/2024

Phone: (210) 465-5978

Email: ntorres1158@gmail.com

Certified Inspector: Ben Herr

Date: 03/12/2024

Date Printed: 3/12/2024

Ben Herr  
3/12/2024



# ON-SITE SEWAGE FACILITY Soil Evaluation Report Information

Date Soil Survey Performed: 6/9/2022

Site Location: 1180 Winding Creek Trail

Name of Site Evaluator: Hoyt Seidensticker Registration Number: OS0008771

Proposed Excavation Depth: 6 inches County: Comal

**Requirements:**

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.

Location of soil boring or dug pits must be shown on the site drawing.

For subsurface disposal, soil evaluation must be performed to a depth of at least two feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

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

Soil Boring Number <u>1</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0 <u>      </u>	III	Clay loam	<30%	none	yes, rock	Brown
1 <u>      </u>						
2 <u>20 in</u>		rock				
3 <u>      </u>						
4 <u>      </u>						
5 <u>      </u>						
Soil Boring Number <u>2</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0 <u>      </u>	III	Clay loam	<30%	none	yes, rock	Brown
1 <u>      </u>						
2 <u>20 in</u>		rock				
3 <u>      </u>						
4 <u>      </u>						
5 <u>      </u>						

## Features of Site Area

Presence of 100 year flood zone Yes        No x

Presence of adjacent ponds, streams, water improvements Yes        No x

Existing or proposed water well in nearby area Yes        No x

Organized sewage service available to lot or tract Yes        No x

Recharge feature within 150 feet Yes        No x

By my signature, I hereby certify that the information provided in this report is based on my site observations and are accurate to the best of my ability.

I understand that any misrepresentation of the information contained in this report may be grounds to revoke or suspend my license. The site evaluation

determined the site is suitable for a Drip Irrigation disposal system with Aerobic treatment

According to table XIII, the site is suitable for this proposed system. A copy of Table XIII has been given to the property owner to inform them of

other alternatives based upon the result of this site evaluation

Hoyt Seidensticker  
Signature of Site Evaluator

3-10-24  
Date



ON-SITE SEWAGE FACILITY  
Site Evaluation Report Information

Date: 7/7/2022

**Applicant Information:**

Name: Hermosa Verde LLC

Address: 742 Waukee Pass

City: SA State: Texas Zip: 78260

Phone: 210-465-5978

**Property Location:**

Lot: 293 section: 1

Sub.: Cypress Cove

Street/Road Address: 1180 Winding Creek Trail

City: Canyon Lake State: Texas Zip: 78070

Unincorporated Area? Y or N y

Additional information \_\_\_\_\_

**Site Evaluator Information:**

Name: Hoyt Seidensticker

License OS0008771 Expires 8/31/2026

Company: Land Stewardship Services, LLC

Address: 124 Bristow Way

City: Boerne State: Texas Zip: 78006

Phone: (210) 414-6603

Email hoyt@landstewardshipservices.com

**Installer information:**

Name: Julio Valdes OS0037867

Company: \_\_\_\_\_

Address: 9455 S Foster Road

City: SA State: Texas Zip: 78255

Phone: 210-919-0170 Fax: \_\_\_\_\_

**Schematic of Lot or Tract**

**Show:**

Compass North, adjacent streets, property lines, property lines, property dimensions, location of buildings, easements, water lines, and other surface improvements where known (drainage, patios, sidewalks).

Location of existing or proposed water wells within 150 feet of property.

Indicate slope or show contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.

Location of soil borings or dug pits (show location with respect to a known reference point).

Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers, high tide of salt water bodies) water impoundments areas, cut or fill bank, sharp slopes and breaks.

**SITE DRAWING**

Lot Size: 0.234 acres

**SEE ATTACHED**

Signature of Site Evaluator

Hoyt Seidensticker

Site Evaluator License No OS0008771

4/24/2024

5:04 PM

Aerobic with Drip  
Irrigation System

# ON-SITE SEWAGE

## DESIGN CRITERIA

Hermosa Vista LLC

**RECEIVED**

By Brandon Olvera at 9:02 am, May 01, 2024

A class 1 residential aerobic treatment unit will be designed for this home. Wastewater from the home will flow to the pretreatment tank of the aerobic unit. From the pretreatment tank, effluent will flow to the treatment unit. Treated effluent will then flow to the pump tank for disposal through subsurface drip irrigation. All warning systems shall be installed with the aerobic unit.

### Field loading Rates and Distribution

All flow from the treatment compartment of the aerobic unit will flow into a pump tank.

The pump tank will be equipped with a submersible pump. The pump will dose the single zone.

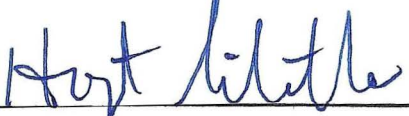
A 100 micron effluent filter must be installed in the supply line to prevent introduction of sediments & suspended organic materials into the drip tubing. Vacuum relief valves need to be installed in each zone at the highest point of both the supply and return manifolds. Check valves must be installed on the return lines to prevent backflow.

The drip lines will be laid on two foot centers and parallel with the contour of the land. The drip lines will not be laid perpendicular with the slope. The drip lines will then be covered with a minimum of 6 inches of the material.

The area of the drip tubing will need to be shaped by the installer. The area will need to be leveled before installing the drip tubing. The drip tubing needs to be installed as level as possible.

If the drip tubing is trenched in, a minimum of 6 inches, then the material that came out of the trench may be placed in the trench over the drip tubing as long as it is free of rocks. If the material that comes out of the trench is full of rocks, then a class II sandy loam or class III clay loam must be used to cove the drip tubing. If the drip lines are laid on top of the native soil and the native soil is scarified then a minimum of 6 inches of class II sandy loam or class III clay loam must be placed over the drip lines.

All changes or modifications made to design must be approved by the below signed designer.



Hoyt Seidensticker, R.S. No. 3588

4-27-24  
Date

Land Stewardship Services, LLC, 124 Bristow Way, Boerne, Texas 78006

Cell (210) 414-6603,

[hoyt@landstewardshipservices.com](mailto:hoyt@landstewardshipservices.com)





4/24/2024

5:04 PM

Aerobic with Drip  
Irrigation System

ON-SITE SEWAGE

DESIGN CRITERIA

Hermosa Vista LLC

**RECEIVED**

By Brandon Olvera at 9:02 am, May 01, 2024

Drip lines are to be placed on 2 ft centers and tied into a pressure manifold at one end and a return manifold which is run back to the pump tank for continuous flushing of the drip lines. A pressure gage and control valve on the return line at the pump tank is to be set at 25 psi, which maintains a minimum required pressure of the drip emitters. The drip lines will be flushed continuously when the pump doses the drip field. The drip lines will be continuously flushed.

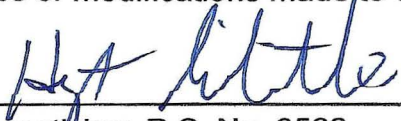
Then entire area where the drip lines have been installed, will be seeded by the installer because the owner refuses to pay for sod or curlex. Therefore, the designer will not be responsible for the installed drip system due to the fact the owners refuse to spend the money on sod or curlex as specked by the designer. The owners are too cheap.

A maintenance contract for the entire system must be established at time of installation with someone holding a license to maintain the install aerobic system.

All tanks must have inspection or cleanout ports located on the tank top over all inlet and outlet devises. Each inspection or cleanout port must be offset to allow for pumping of the tank. The ports may be configured in any manner as long as the smallest dimension of the opening is at least 12 inches, and large enough to provide for maintenance and equipment removal. All inspection and cleanout ports shall have riser over the port openings, which extend to two inches above grade. A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap to prevent tank entry if the cap is unknowingly damaged or removed

The risers shall have inside diameters which are equal to or larger than the inspection or cleanout ports. Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or another means approved by the executive director. Risers and riser caps exposed to sunlight must have ultraviolet light protection. Risers must be able to withstand the pressures created by the surrounding soil.

All changes or modifications made to design must be approved by the below signed designer.

  
Hoyt Seidensticker, R.S. No. 3588

4-24-24  
Date

Land Stewardship Services, LLC, 124 Bristow Way, Boerne, Texas 78006  
Cell (210) 414-6603, [hoyt@landstewardshipservices.com](mailto:hoyt@landstewardshipservices.com)





Scale 1" = 20'

The referenced property is located within the Edwards Aquifer Contributing Zone. This property is exempt from a contributing zone plan because it is not a regulated activity according to Chapter 213.5(h)(2) "exempt ... Does not exceed 20% impervious cover on the site." There is no recharge feature within 150' of the proposed septic system.

## Site Map

Aerobic with drip

irrigation distribution system

Hermosa Vista, LLC

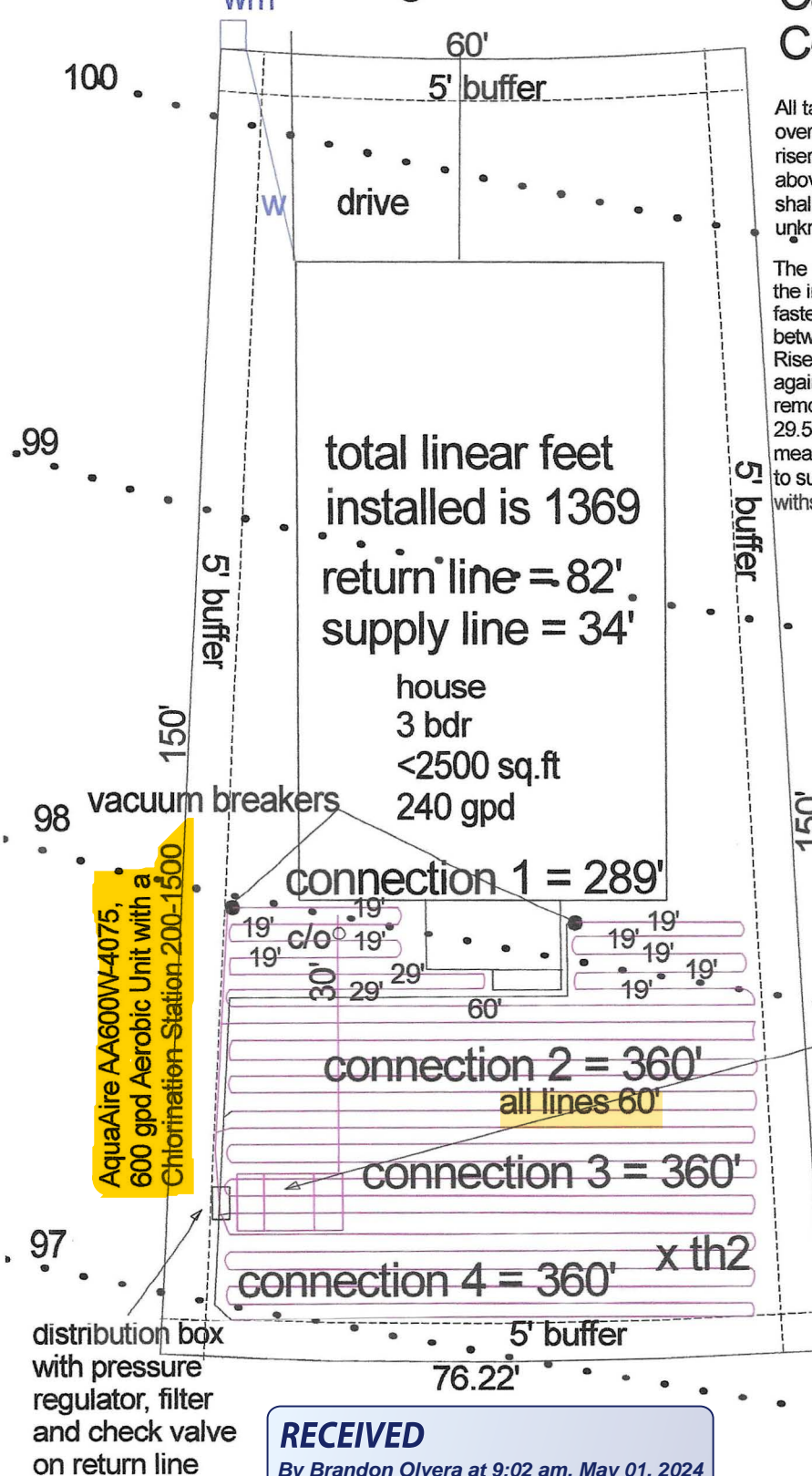
Lot 293, Cypress Cove, section 1

1180 Winding Creek Trail

Canyon Lake, Texas 78070

Comal county

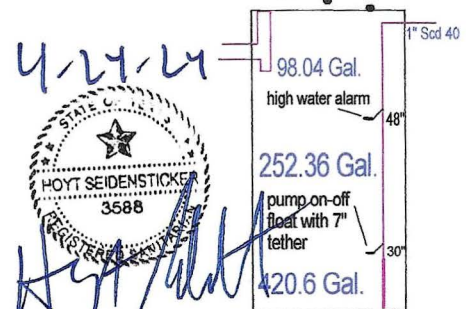
## Winding Creek Trail



All tanks buried more than 12 inches below the ground shall have risers over the port openings. All inspection and clean out ports shall have risers over the port openings which extend to a minimum of two inches above grade. A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap to prevent tank entry if the cap is unknowingly damaged or removed.

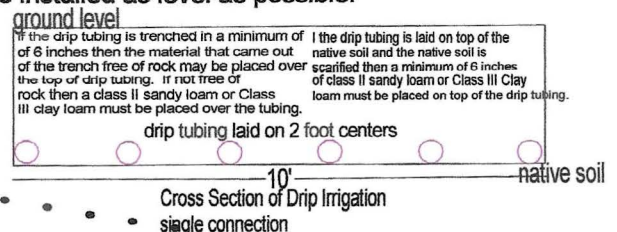
The risers shall have inside diameters which are equal to or larger than the inspection or clean out ports. Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director. Risers and riser caps exposed to sunlight must have ultraviolet light protection. Risers must be able to withstand the pressures created by the surrounding soil.

100 yr flood plain does not exist on this tract



Aerobic unit must be installed a minimum of 18 inches deep to allow a minimum of 12 inches of soil between top of tank and drip tubing line.


The area of the drip tubing will need to be shaped by the installer. The area will need to be leveled before installing the drip tubing. the drip tubing needs to be installed as level as possible.



# Hermosa Vista LLC

Gallons per Day	240
Application Rate (gal/sq. ft/day)	0.1
Square footage required	2400
Feet between Lines	2
Feet between emitters	2
Number of zones	1
Linear feet of dripline	1369
Number of emitters	684.5
Linear Feet of Tubing Per Zone	1369
Type of emitters	Pressure compensating
Determine drip field pressure (psi)	25
Feet of head pressure	57.75
gph/emitter	0.61
gallons per minute per Zone	7.0
gallons per hour	417.545
minutes per dose	5
Minutes Per Day Per Zone	34
gallons per day	240
Doses per Zone	7
Total Doses per Day	7
Time Between Doses in Hours	3.4
Total Run time in Minutes	34.48730077
Number of Connections to Manifold	4
Linear feet of dripline per connection	342.25
minimum pump capacity (gpm)	7.0
header pipe size (inches)	1
Pressure loss in 100 ft. pipe (psi)	1.58
Friction head in 100 ft. of pipe (ft of head)	3.6498
Static head	
height from pump to top of tank (ft.)	4
Elevation increase (ft.)	4
Total static head (ft.)	8
Friction head	
equivalent length of fittings (ft.)	1
Distance from pump to field (ft.)	34
Total equivalent length of pipe (ft.)	35
total effective head (ft.)	1.28
head required at drip field (ft.)	57.75
Head loss through filters or headworks (ft.)	23.10
head loss through valves (ft.)	3.47
Minimum total head (ft.)	85.59

4-24-24

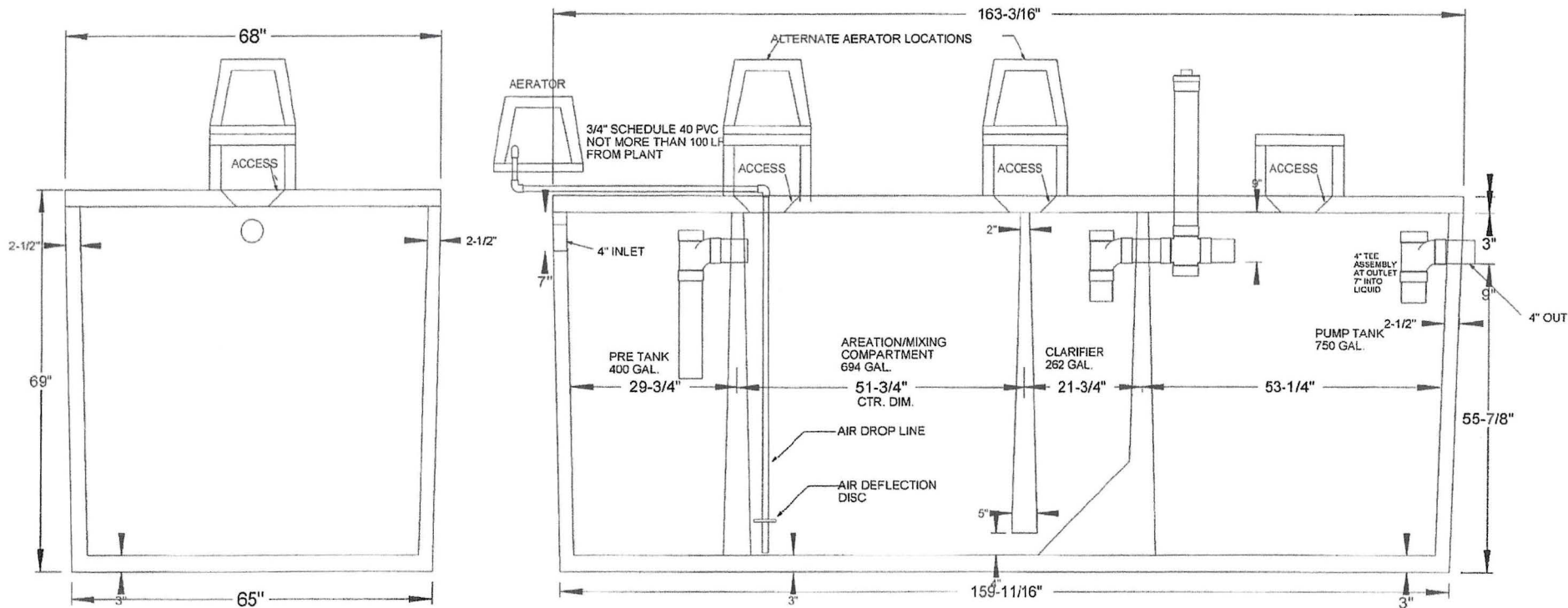


*[Handwritten signature]*

**RECEIVED**

By Brandon Olvera at 9:02 am, May 01, 2024





ALL DIMENSIONS IN INCHES

DESCRIPTION:  
MODEL AA600W-4075

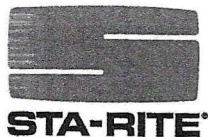
Treatment Capacity: 600 GPD

BOD Loading: 1.50 #/DAY

DWG REF: D-TA-xxx REV: 0 DATE: 10/10/06 SCALE: FULL ENG: .KC

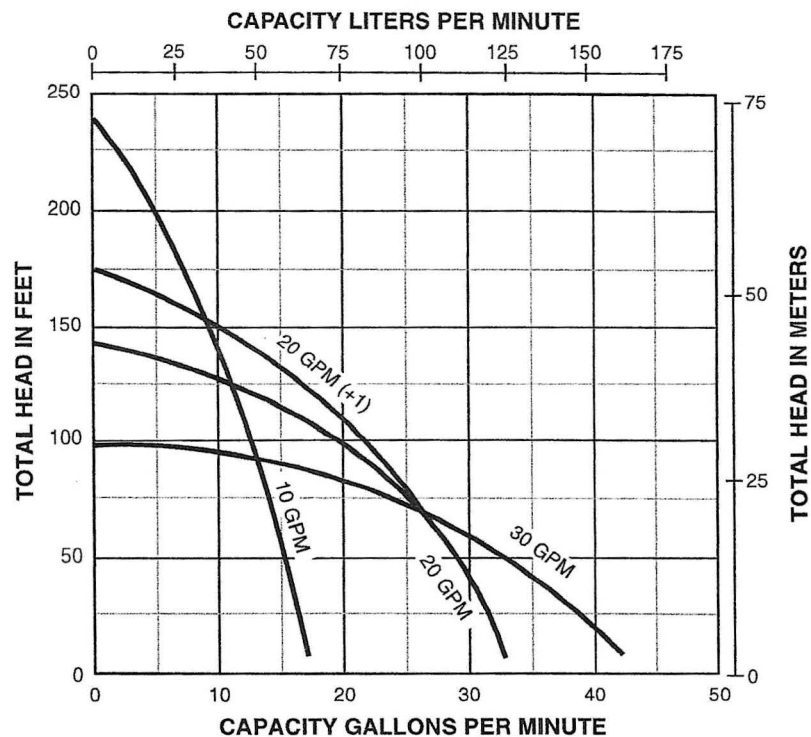
ECOLOGICAL TANKS, INC  
2247 HWY 151 NORTH  
DOWNSVILLE, LA 71234  
318-644-0397 OFFICE  
318-644-7257 FAX

NO PART OF THIS DRAWING MAY BE REPRODUCED,  
STORED IN ANY RETRIEVAL SYSTEM, OR  
TRANSMITTED IN ANY FORM OR BY ANY MEANS,  
ELECTRONIC, MECHANICAL, PHOTOCOPYING,  
RECORDING OR OTHERWISE WITHOUT THE  
PRIOR WRITTEN PERMISSION OF ECOLOGICAL  
TANKS, INC.



# 4" multi-stage submersible pump

## PUMP PERFORMANCE



## PUMP PERFORMANCE (Capacity in Gallons per Minute)

Pump Model	Flow Rate (GPM)	PSI											
		0	10	20	30	40	50	60	70	80	90	100	110
10DOM05221	10			15.0	13.7	12.7	11.5	10.2	8.4	6.5	4.3	1.0	
10DOM05121	10			15.0	13.7	12.7	11.5	10.2	8.4	6.5	4.3	1.0	
20DOM05221	20			30.0	26.0	21.5	14.2	4.4					
20DOM05121	20			30.0	26.0	21.5	14.2	4.4					
30DOM05221	30		38.5	33.3	25.8	16							
30DOM05121	30		38.5	33.3	25.8	16							
20DOM05221+1	20 + 1			30	27.5	24	20	13.5	6				
20DOM05121+1	20 + 1			30	27.5	24	20	13.5	6				

## PUMP PERFORMANCE (Capacity in Liters per Minute)

Pump Model	Flow Rate (LPM)	Bar											
		0	.69	1.38	2.07	2.76	3.45	4.13	4.82	5.51	6.20	6.89	7.58
10DOM05221	37.85		56.8	51.9	48.1	43.5	38.6	31.8	24.6	16.3	3.8		
10DOM05121	37.85		56.8	51.9	48.1	43.5	38.6	31.8	24.6	16.3	3.8		
20DOM05221	75.7		113.6	98.4	81.4	53.7	16.7						
20DOM05121	75.7		113.6	98.4	81.4	53.7	16.7						
30DOM05221	113.55	145.7	126.0	97.7	60.6								
30DOM05121	113.55	145.7	126.0	97.7	60.6								
20DOM05221+1	75.7 + 1			113.4	103.9	90.7	75.6	51.0	22.6				
20DOM05121+1	75.7 + 1			113.4	103.9	90.7	75.6	51.0	22.6				



# COMAL COUNTY

---

ENGINEER'S OFFICE

RE: *1180 Winding Creek Trail*  
*Cypress Cove Section 1*  
*Lot 293*

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:

- ✓ Maintenance Contract:
  - a. Contract needs to meet the minimum requirements written in TAC285.7(d)
  - b. Property owner needs to sign the contract.
- 2. 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](http://www.cceo.org) | f: 830-608-2078 | e: [olverb@co.comal.tx.us](mailto:olverb@co.comal.tx.us) |



Herr Septic Services  
2925 Hidden Elm  
San Antonio, tx 78261

Phone: (210) 489-0843

Date Printed: 3/12/2024

Customer ID: 839

Site: 1180 Winding Creek Trl, Spring Branch, TX 78070

County: Comal

To: Nallely Torres  
1180 Winding Creek Trl  
Spring Branch, TX 78070

Contract is valid for two years after start date.

Main Phone  
(210) 465-5978

Customer's Email: ntorres1158@gmail.com

Contract with: Herr Septic Services  
Treatment Type: / Disposal:  
MFG: / Brand: / S#:  
Disinfectant: through 3 visits per year - one every 4 months

This is to certify that the above RESIDENTIAL sewage system has a RENEWED inspections agreement per Texas Commission on Environmental Quality (TCEQ) standards for onsite sewerage facilities as required by TCEQ regulations. Inspection reports by the service company are filed with the authority agency required by the TCEQ regulations. A weather proof tag or label will be attached to the controller showing the month that each inspection is made. Items included on the Inspection Report generally include aerator motors, inspection pump, air compressor, disinfection device, chlorine supply, OK System, etc, soil field vent, probe, sensor or backup. We will visit your site within 30 days of you notifying us of a problem. Ben Herr is certified by the manufacturer of your system. The air filter will be cleaned at each visit. Homeowner is responsible for their own chlorine. This agreement does not include the cost of repairs. This agreement does not include the cost of (CHLORINE & Repairs).

Home Owner: \_\_\_\_\_ Date: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Certified Inspector: Ben Herr Date: 03/12/2024

Date Printed: 3/12/2024

Ben Herr  
3/12/2024



# ON-SITE SEWAGE FACILITY APPLICATION

Planning Materials & Site Evaluation as Required Completed By Hoyt Seidensticker

System Description Aerobic with Drip Irrigation

Size of Septic System Required Based on Planning Materials & Soil Evaluation

Tank Size(s) (Gallons) 600 GPD ATA Absorption/Application Area (Sq Ft) 2560

Gallons Per Day (As Per TCEQ Table III) 240

(Sites generating more than 6000 gallons per day are required to obtain a permit through TCEQ.)

Is the property located over the Edwards Recharge Zone? ☐ Yes ☒ No

(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? ☐ Yes ☒ No

(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? ☐ Yes ☒ No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the WPAP has been approved by the appropriate regional office.)

Is the property located over the Edwards Recharge Zone? ☐ Yes ☒ No

Is there an existing TCEQ approval CZP for the property? ☐ Yes ☒ No

(If yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? ☐ Yes ☒ No

(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to Construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)

Is this property within an incorporated city? ☐ 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 knowledge.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

Hoyt Seidensticker  
Signature of Designer

8-23-12  
Date

3/10/2024  
8:35 PM  
Aerobic with Drip  
Irrigation System

# ON-SITE SEWAGE FACILITY DESIGN CRITERIA Hermosa Vista LLC

## Property Information:

St. Address: 1180 Winding Creek Trail  
City: Spring Branch State: Texas  
Zip code: 78070

## Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): yes

## House Information

No. of Bedrooms: 3  
Sq. footage (Approx.): <2500  
gallons per day 240  
Water Supply: public

## Supply Line from House

Greywater included (yes/no): yes

Type of supply line: SCH 40 PVC

Size of Supply line (in): 3 or 4

## Rate of Adsorption (Ra)

Adsorption rate (ft): 400

Minimum Adsorptive Area (ft<sup>2</sup>): 2560

Absorptive area installed (ft<sup>2</sup>): 2560

## Aerobic Unit

Required size of aerobic unit: 160 gpd

Retreatment Tank (gals): 400

Class 1 Aerobic Unit: AquaAire 1375

Pump tank total capacity (gal): 750

Required linear foot of tubing: 1200

Chlorination: Installed in pump tank

Linear feet of tubing installed: 1280

Pump Switch operation: Float switch

Dosing cycle quantity (gals): varied

Cycling time: night

Pump size and capacity: High head multi-stage submersible

effluent pump 10 GPM

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 29, 2016). The above design was based on the best available information and should function properly under normal operating conditions.

All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker  
Hoyt Seidensticker, R.S. No. 3588

3-10-24  
Date

Land Stewardship Services, LLC, 124 Bristow Way, Boerne, Texas 78006  
Cell (210) 414-6603, [hoyt@landstewardshipservices.com](mailto:hoyt@landstewardshipservices.com)



Effective Immediately: If any change(s) are made that require a revision to this design, a \$150.00 fee will be assessed. This includes,

but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.



3/10/2024

8:35 PM

Aerobic with Drip  
Irrigation System

# ON-SITE SEWAGE FACILITY DESIGN CRITERIA Hermosa Vista LLC

A class 1 residential aerobic treatment unit will be designed for this home. Wastewater from the home will flow to the pretreatment tank of the aerobic unit. From the pretreatment tank, effluent will flow to the treatment unit. Treated effluent will then flow to the pump tank for disposal through subsurface drip irrigation. All warning systems shall be installed with the aerobic unit.

## Field loading Rates and Distribution

All flow from the treatment compartment of the aerobic unit will flow into a pump tank. The pump tank will be equipped with a submersible pump. The pump will dose the single zone.


A 100 micron effluent filter must be installed in the supply line to prevent introduction of sediments & suspended organic material into the system. Vacuum relief valve must be installed in each zone at the highest point of the supply line to prevent siphoning. Check valves must be installed on the return line to prevent backflow.

The drip lines will be laid on two rows, one parallel to the other, with a minimum of 6 inches between the drip lines. The drip lines will not be laid parallel with the drip lines. The drip lines will be laid with a minimum of 6 inches of the material.

The area of the drip tubing will need to be shaped by the installer. The area will need to be leveled before installing the drip tubing. The drip tubing needs to be installed as level as possible.

If the drip tubing is trenched in, a minimum of 6 inches, then the material that came out of the trench may be placed in the trench over the drip tubing as long as it is free of rocks. If the material that comes out of the trench is full of rocks, then a class II sandy loam or class III clay loam must be used to cove the drip tubing. If the drip lines are laid on top of the native soil and the native soil is scarified then a minimum of 6 inches of class II sandy loam or class III clay loam must be placed over the drip lines.

All changes or modifications made to design must be approved by the below signed designer.

  
Hoyt Seidensticker, R.S. No. 3588

3-10-24  
Date

Land Stewardship Services, LLC, 124 Bristow Way, Boerne, Texas 78006

Cell (210) 414-6603,

[hoyt@landstewardshipservices.com](mailto:hoyt@landstewardshipservices.com)



3/10/2024

8:35 PM

Aerobic with Drip  
Irrigation System

# ON-SITE SEWAGE FACILITY DESIGN CRITERIA Hermosa Vista LLC

Drip lines are to be placed on 2 ft centers and tied into a pressure manifold at one end and a return manifold which is run back to the pump tank for continuous flushing of the drip lines. A pressure gage and control valve on the return line at the pump tank is to be set at 25 psi, which maintains a minimum required pressure of the drip emitters. The drip lines will be flushed continuously when the pump doses the drip field. The drip lines will be continuously flushed.

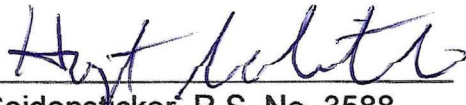
Then entire area where the drip lines have been installed or disturbed, must be sodded with a type of vegetative cover or seeded curlex installed or seeded then a curlex blanket laid over the area or an equivalent county approved method of cover that is considered a high water user prior to system operation.

A maintenance contract for the entire system must be established at time of installation with someone holding a license to maintain the install aerobic system.

All tanks must have inspection or cleanout ports on the top of each tank and outlet devices. Each inspection or cleanout port must be on top of the pump tank. The ports may be configured in any manner as long as the smallest dimension of the opening is at least 12 inches, and large enough to provide for maintenance and equipment removal. All inspection and cleanout ports shall have risers over the top openings which extend to at least 6 inches above grade. A secondary plug, cap or other suitable restraint shall be provided below the riser cap to prevent tank entry if the cap is removed or damaged or replaced.

The risers shall have inside diameters which are equal to or larger than the inspection or cleanout ports. Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or another means approved by the executive director. Risers and riser caps exposed to sunlight must have ultraviolet light protection. Risers must be able to withstand the pressures created by the surrounding soil.

All changes or modifications made to design must be approved by the below signed designer.

  
Hoyt Seidensticker, R.S. No. 3588

3-10-24  
Date

Land Stewardship Services, LLC, 124 Bristow Way, Boerne, Texas 78006  
Cell (210) 414-6603, [hoyt@landstewardshipservices.com](mailto:hoyt@landstewardshipservices.com)



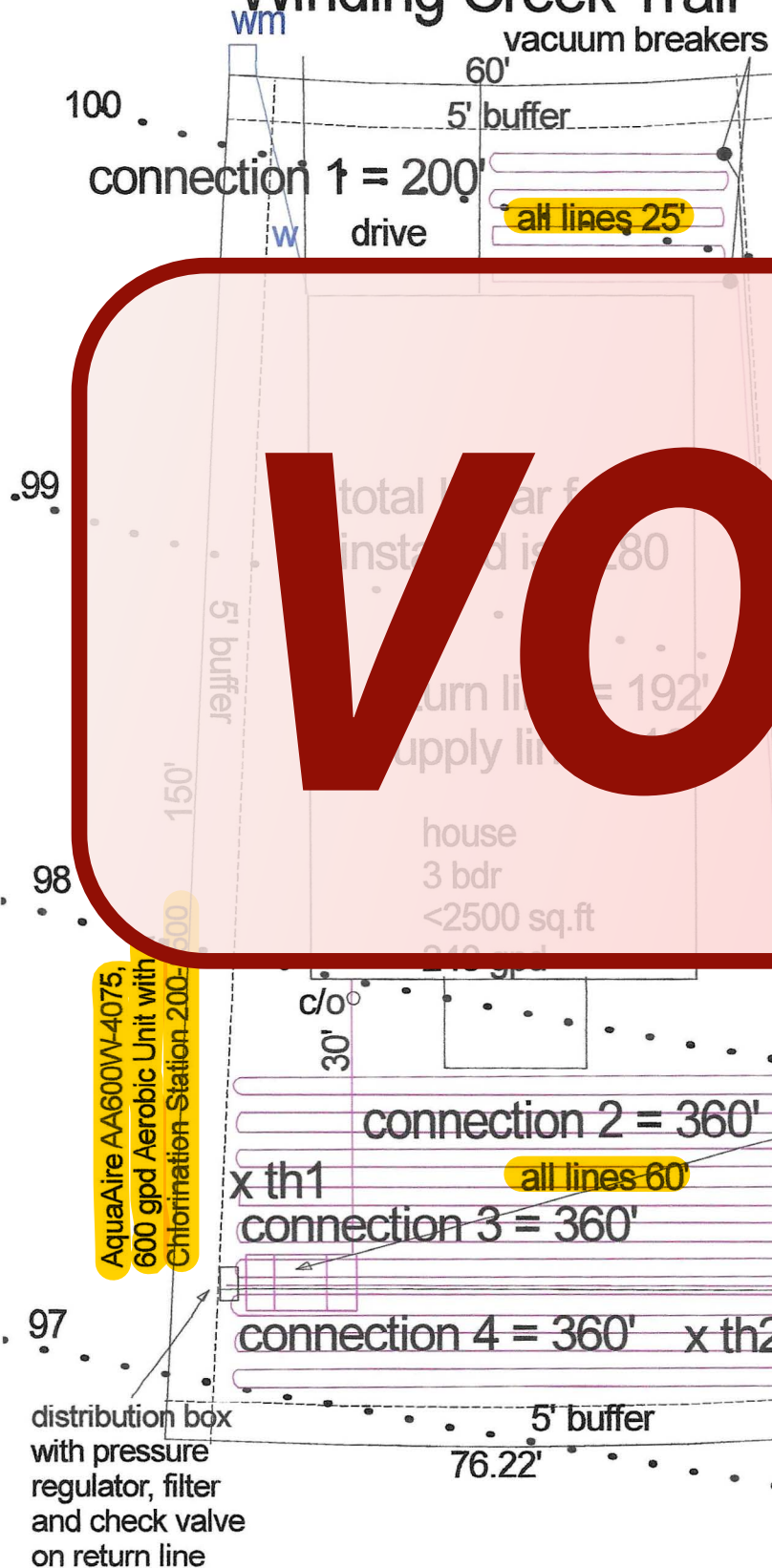


Scale 1" = 20'

The referenced property is located within the Edwards Aquifer Contributing Zone. This property is exempt from a contributing zone plan because it is not a regulated activity according to Chapter 213.5(h)(2) "exempt ... Does not exceed 20% impervious cover on the site." There is no recharge feature within 150' of the proposed septic system.

Site Map  
Aerobic with drip  
irrigation distribution system  
Hermosa Vista, LLC  
Lot 293, Cypress Cove, section 1  
1180 Winding Creek Trail  
Canyon Lake, Texas 78070  
Comal county

## Winding Creek Trail

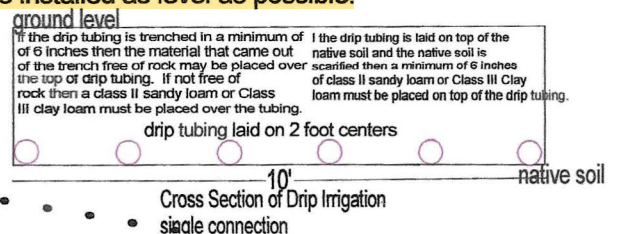


All tanks buried more than 12 inches below the ground shall have risers over the port openings. All inspection and clean out ports shall have risers over the port openings which extend to a minimum of two inches above grade. A secondary plug, cap, or other suitable restraint system shall be provided below the riser cap to prevent tank entry if the cap is unknowingly damaged or removed.

The risers shall have inside diameters which are equal to or larger than the inspection or clean out ports. Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) or the mass of the tank lid, or any other means approved by the authority having jurisdiction. Risers and riser caps exposed to sunlight must have a yellow or white reflective paint. Risers must be able to withstand the pressure created by the surrounding soil.

Aerobic unit must be installed a minimum of 18 inches deep to allow a minimum of 12 inches of soil between top of tank and drip tubing line.

The area of the drip tubing will need to be shaped by the installer. The area will need to be leveled before installing the drip tubing. the drip tubing needs to be installed as level as possible.



# Hermosa Vista LLC

Gallons per Day	240
Application Rate (gal/sq. ft/day)	0.1
Square footage required	2400
Feet between Lines	2
Feet between emitters	2
Number of zones	1
Linear feet of dripline	1280
Number of emitters	640
Linear Feet of Tubing Per Zone	1280
Type of emitters	Pressure compensating
Determine drip field pressure (psi)	25
Feet of head pressure	57.75

gph/emitter	0.61
gallons per minute per Zone	6.5
gallons per hour	390.4
minutes per dose	5
Minutes Per Day Per Zone	37
gallons per day	7
doses per day	7
total Dose per Day	3.4
the Between Dose hours	352459
total Flowline in M	4
only Connected to Manifold	320
et of dripline connectio	1
n pump capa	1.58
header pipe size (inches)	3.6498
Pressure loss in 100 ft. pipe (psi)	
Friction head in 100 ft. of pipe (ft of head)	

**VOID**

Static head

height from pump to top of tank (ft.)	4
Elevation increase (ft.)	4
Total static head (ft.)	8

Friction head

equivalent length of fittings (ft.)	1
Distance from pump to field (ft.)	182
Total equivalent length of pipe (ft.)	183
total effective head (ft.)	6.68
head required at drip field (ft.)	57.75
Head loss through filters or headworks (ft.)	23.10
head loss through valves (ft.)	3.47

Minimum total head (ft.)	90.99
--------------------------	-------



*[Handwritten signature]*



**Notice of confidentiality rights: If you are a natural person, you may remove or strike any or all of the following information from any instrument that transfers an interest in real property before it is filed for record in the public records: your Social Security number or your driver's license number.**

### **General Warranty Deed**

THE STATE OF TEXAS     §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF COMAL     §

Executed on date of acknowledgement to be Effective: May 27, 2022.

Grantor:     **Barr Investment Holdings, LLC**

Grantor's Mailing Address: \_\_\_\_\_

Grantee:     **Hermosa Vista, LLC**

Grantee's Mailing Address: 742 Waukee Pass, San Antonio, Bexar County, Texas 78260

Consideration: TEN DOLLARS (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

Property (including any improvements): **Lot 293, Cypress Cove, Section One, an Addition in Comal County, Texas, according to plat thereof recorded in Volume 1, Page 45, Map and Plat Records of Comal County, Texas.**

Reservations from Conveyance: None.

Exceptions to Conveyance and Warranty: All presently recorded restrictions, reservations, easements, covenants and conditions that affect the property and taxes for the current year, the payment of which Grantee 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.

Barr Investment Holdings, LLC

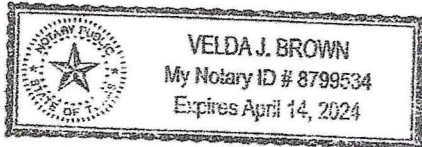
By: *David Barr*

Printed Name: David Barr

Title: Authorized Signer

THE STATE OF TEXAS \*  
COUNTY OF COMAL \*

This instrument was acknowledged before me on this the 27th day of May, 2022, by David Barr Authorized Signer of Barr Investment Holdings, LLC, in the capacity therein stated.



*Velda J. Brown*  
Notary Public, State of Texas

AFTER RECORDING RETURN TO:  
Alamo Title Company  
GF No. 4000132200251

PREPARED IN THE LAW OFFICE OF:  
Kristen Quinney Porter, LLC  
P.O. Box 312643  
New Braunfels, Texas 78131-2643

Filed and Recorded  
Official Public Records  
Bobbie Koepp, County Clerk  
Comal County, Texas  
05/31/2022 01:40:39 PM  
TERRI 2 Pages(s)  
202206025322



*Bobbie Koepp*

Property Identification #: 20443

Property Information: 2022

Owner Identification #: 1075965

Geo ID: 150325147000  
Situs 0 WINDING CREEK TRL SPRING  
Address: BRANCH, TX 78070  
Property Type: Real  
State: A1  
Code:

Legal Description: CYPRESS COVE SECTION 1, LOT 293  
Abstract: 150325-1  
Neighborhood: CYPRESS COVE 2  
Appraised Value: \$46,110.00  
Jurisdictions: FLC, ZZZ, ES1, 046LR, 046, ES4, SCIS, CAD

Name: HERMOSA VISTA LLC  
Exemptions:  
DBA: Null



Comal CAD Map Search

This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. The Comal County Appraisal District expressly disclaims any and all liability in connection herewith.