

Comal County Environmental Health

OSSF Inspection Sheet

Installer Name: Heath Turner

OSSF Installer #: OS0029298

1st Inspection Date: 10/23/26

2nd Inspection Date: 10/26/26

3rd Inspection Date: 10/27/26

Inspector Name: Corey Allen

Inspector Name: Corey Allen

Inspector Name: Corey Allen

Permit#: **120034**

Address: **1133 Baldy Mountain Ct**

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	X	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)		X		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	X	285.91(10) 285.30(b)(4) 285.31(d)		X		
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	X	285.32(a)(1)		X		
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	X	285.32(a)(3)		X		
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	X	285.32(a)(5)		X		
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: 10/23/26 CA: Tank level no leaks operational remove or cover surface rocks and mulch from spray remove brush within 10 feet and seed spray areas. Need pump receipt. 10/26/26 CA: Operational remove or cover surface rocks within spray and seed. 10/27/26 CA: Remove or cover surface rocks within spray areas. Areas have been seeded. Will need re inspection fee.

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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	X	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)		X		
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	X		600	X		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	X X			X X		
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)				

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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)	x	285.33(d)(6) 285.33(c)(4)	Surface Application	x		
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)				

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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.	X	285.32(c)(1)		X		
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	X X X			X X X		
35	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.	X			X		
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	X			X		

**Comal County Environmental Health
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No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	X	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)		X		
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	X X X	 285.33(d)(2)(G) (i)285.33(d)(2) (A)285.33(d)(2)(F)		X		
42	APPLICATION AREA Area Installed	X					
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



COMAL COUNTY

ENGINEER'S OFFICE

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

Permit Number: 120034

Issued This Date: 10/5/2026 8:59:55 AM

Issued to: David Davis

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

Location Description: 1133 BALDY MOUNTAIN CT
CANYON LAKE TX 78133

Subdivision: Devils Backbone Heights

Unit: -

Lot: 72

Block: -

Acreage: 0.80

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic
Surface Irrigation

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

Call (830) 608-2090 to schedule inspections.

RECEIVED

By kgriffin at 1:54 pm, Sep 16, 2026



COMAL COUNTY

ENGINEER'S OFFICE

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

--	--

Date Received

Initials

--

Permit Number

120034

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.

Signature of Applicant

9/9/26

Date

___ COMPLETE APPLICATION

Check No. _____ Receipt No. _____

INCOMPLETE APPLICATION
(Missing Items Circled, Application Refused)



Date _____

Permit Number _____

1. APPLICANT / AGENT INFORMATION

Owner Name David P & Donna J Davis
Mailing Address 1512 Katherine
City, State, Zip Pecos, TX 79772
Phone # 432-940-6807
Email thedaviddavis@live.com

Agent Name Heath A Turner
Agent Address 2885 Goat Creek Rd
City, State, Zip Kerrville, TX 78028
Phone # 432-386-0451
Email heath@hatcollc.com

2. LOCATION

Subdivision Name Devils backbone Heights Unit _____ Lot 72 Block _____
Survey Name / Abstract Number _____ Acreage .8
Address 1133 Baldy Mountain Ct. City Canyon Lake State TX Zip 78133

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 1612

☐ 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: \$ 20,000 (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 ☐ Rainwater

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.

Signature of Owner David P Davis

Date 9/9/26



Planning Materials & Site Evaluation as Required Completed By Heath A Turner

System Description Aerobic Treatment w/ Surface Application

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

Tank Size(s) (Gallons) 600 GPD ATU Absorption/Application Area (Sq Ft) 4578

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.)

Is there at least one acre per single family dwelling as per 285.40(c)(1)? ☐ Yes ☒ No

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

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

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

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

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

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

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

Is this property within an incorporated city? ☐ 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.

Signature of Designer

Date

2C

AFFIDAVIT TO THE PUBLIC



202606028103 09/16/2026 11:55:39 AM 1/2

THE COUNTY OF COMAL
STATE OF TEXAS

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.

I

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.

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):

Devils Backbone Heights, Lot 72 - Property ID: 24384

1133 Baldy Mountain Ct., Canyon Lake, TX 78133

The property is owned by (insert owner's full name):
David P Davis

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

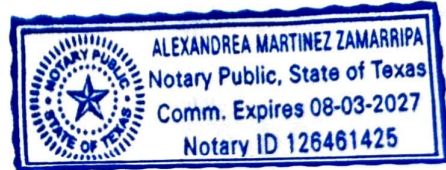
Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from the Comal County Engineer's Office.

WITNESS BY HAND(S) ON THIS 9th DAY OF September, 20 26

Owner(s) signature(s)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 9th DAY OF September 20 26

Notary Public, State of Texas





This page has been added to comply with the statutory requirements 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.

Created 7/27/15

Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
09/16/2026 11:55:39 AM
BECKY 2 Page(s)
202606028103



Bobbie Koepp

AFFIDAVIT TO THE PUBLIC

THE COUNTY OF COMAL
STATE OF TEXAS

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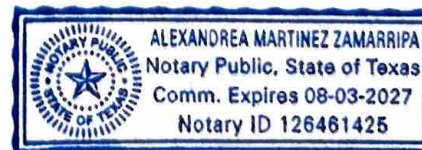
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WITNESS BY HAND(S) ON THIS 9th DAY OF September, 20 26

[Signature]
Owner(s) signature(s)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 9th DAY OF September, 20 26

[Signature]
Notary Public, State of Texas





HomeField Hill Country
136 Cactus Pear
Boerne, TX 78006
(830) 243-6513
hillcountry@homefieldonsite.com

David Davis
1133 Baldy Mtn Ct
Canyon Lake, TX 78133
432-940-6807

Basic Inspection Advantage Plan 2YR (Homefield Installation)

Basic Inspection Advantage Plan 2YR (Homefield Installation)

2 Year Maintenance Contract will be effective from the issuance of license to operate

At HomeField Hill Country, we call them Advantage Plans, but they're the same as what others may call septic maintenance contracts, inspection agreements, or maintenance agreements—all required for aerobic septic systems in Texas. No matter what name you've heard, our plans meet county and TCEQ requirements while giving you options for additional repair coverage.

This plan covers:

- Three inspections per year (one every four months)
- Basic filter cleanings
- Required compliance reports submitted to the county

This is the most affordable option if you just need to stay compliant and keep an eye on your system. Repairs are NOT included—if something breaks, you'll pay for parts and labor.

Included Services

- Three inspections per year
- Inspection of listed components (No repairs included)
- Air compressor filter cleaning
- Irrigation pump filter cleaning
- Sprinkler head filter maintenance
- TCEQ & County compliance reports submitted
- 2 chlorine tablets or up to 1 gallon of liquid chlorine per visit (if applicable)
- Licensed Inspector: Brian Wakefield, MP15

Service Call Fees

- \$95 - Standard service call (+ labor & parts, if applicable)
- \$195 - Emergency service call (+ labor & parts) (weekends, holidays, non-business hours)

Residential Inspections

HomeField Hill Country provides three inspections per year, conducted once every four months.

Each inspection includes:

- Component checks - Aerator(s), Irrigation pump(s), disinfection device, chlorine supply, electrical circuits, distribution system, spray field vegetation, sludge readings, and overall system condition where visible.

△ Disinfection Unit Responsibility:

The property owner is responsible for maintaining the disinfection unit.

You must add your own chlorine tablets between inspection visits.

We will clean the pump and air compressor filter when necessary and add chlorine only during routine maintenance visits.

Repairs & Exclusions

△ Repairs and part replacements are NOT included. Any additional work will require prior approval and pricing.

🔧 This plan does NOT cover:

- ✗ Pre-existing conditions, accidental damage, improper use, or unauthorized repairs
- ✗ Pumping due to system overloading, leaks, or failing tanks
- ✗ Poor installation, cracked risers, or sewage line failures
- ✗ Jet & Norweco manufacturer warranties (not covered under this plan)

🏡 Property Owner Responsibilities

You must monitor the system for signs of failure and ensure routine chlorine addition (if applicable).

All pets and unauthorized persons must be kept away from the system components.

📄 Contract Cancellation

Requires 30-day written notice.

A credit card on file will be used to settle any outstanding balance.

If payments are not made, the full contract amount will become immediately due.

🚗 Access Requirements

Customers must provide unrestricted access to the septic system.

HomeField Hill Country is not liable for animals escaping fenced areas or injuries caused by animals on the property.

If a technician cannot access the property, the owner will be charged a service call fee and required to reschedule.

🏠 Rental Property Policy

Owners must notify renters that a septic maintenance agreement is in place.

Renters must allow access for service visits.

If a technician cannot access the property, the owner will be charged a service call fee and required to reschedule.

📄 TCEQ Compliance Statement

This Advantage Plan is designed to comply with TCEQ requirements for aerobic septic system maintenance contracts under 30 TAC §285.7(d). In accordance with these regulations:

Items covered are listed in the "Included Services" section.

Response time: HomeField Hill Country will respond to complaints regarding the operation of your system within 72 hours during normal business hours.

Maintenance Provider: Brian Wakefield, License #MP15, is the designated maintenance provider responsible for fulfilling the terms of this agreement.

Routine Maintenance is performed three times per year (every four months), and all required testing and reports are submitted to the appropriate county authority.

Disinfection Unit: The property owner is responsible for maintaining chlorine tablets between visits.

HomeField Hill Country Physical Address:

136 Cactus Pear
Boerne, TX 78006

Phone Number:
830-243-6513

Plan duration

September 15, 2026 - September 15, 2028 (2 years)

Included visits

Visit #1	Sep 2026
Visit #2	Jan 2027
Visit #3	May 2027
Visit #4	Sep 2027
Visit #5	Jan 2028
Visit #6	May 2028

Add-ons

None

Payment frequency

☒ \$0.00/mo

Payment method

☐ Credit

Billing address

1133 Baldy Mtn Ct
Canyon Lake, TX
78133

David Davis

Print name

Signature

9/03/2026

Date

Maintenance Provider
brian Wakefield


Area Rep
MP15

Construction Notes:

RECEIVED

By callen at 8:57 am, Oct 05, 2026

1. It is the Installer's responsibility to review the design criteria for on-site sewage facilities as required by 30 TAC §285.
2. The septic system shall be installed by a registered Installer of on-site sewage facilities as required by 30 TAC §285.
3. Anything pertaining to this job that is not clear or specifically covered, is covered by 30 TAC §285 or local jurisdiction rules and regulations.
4. Prior to construction of the septic system, an on-site sewage facilities permit shall be obtained from the local regulatory authority. It will be the Installer's responsibility to acquire all necessary permits and arrange for inspections by local regulating authority.
5. If discrepancies exist between design and actual site conditions, Installer shall notify designer and permitting authority prior to construction.
6. Installer shall be responsible to comply with 30 TAC §285 (6/14/2023) and local regulations for proper OSSF installation.
7. The Installer shall be responsible for identifying all property lines, easements and other related improvements either actual or proposed and verify that the septic system installation does not violate any regulation or law.
8. All roof and surface drainage shall be diverted from the drain-field by gutters, berms, swales, etc.
9. It is required that water conserving methods be used with this system, including low flush toilets (1.6 gallons per flush), pressure reducing faucets aerators and showerheads to reduce overloading the drain-field.
10. Should seepage or other underground water be found, stop all construction and notify the design engineer and/or the permitting authority.
11. Installer shall notify all utility and pipeline companies with facilities adjacent to or in the vicinity of the proposed construction and have each facility located prior to construction.
12. It is the Installer's responsible to verify the depth and location of all existing utilities during construction and shall protect the same utilities from damage.
13. The Installer shall provide training to the Owner for proper operation and maintenance of the system.
14. Final grade of drain-field shall be slightly mounded or have continual slope to facilitate rainwater drainage.
15. Final grade shall be covered with vegetation fully capable of taking maximum advantage of transpiration. Evergreen bushes with shallow root systems may be planted in the disposal area to assist in water uptake. Grasses with dormant periods shall be over seeded to provide year round transpiration.
16. Potable water lines shall be a minimum of 10' from all septic system components. Any water lines that do not meet the minimum separation requirement of 10', shall comply with 30 TAC §290.44 (e)(4)(B)(ii)(II). Private water wells shall be a minimum of 100' and public water wells shall be 150' from any OSSF drain-field. (Refer to 30 TAC §285.91 Table X for minimum required separation distances for OSSFs)
17. Water softeners and reverse osmoses shall not discharge into the primary treatment. Proper disposal from a water softener discharge shall comply with section 30 TAC §285.37 (b)(1)(B).
18. Any product specifically listed in the design criteria is considered to meet the minimum requirements for this design. If a specified product is not utilized in the installation of the septic system, the substituted product shall meet "Or Equivalent" requirements.
19. Never leave unsecured lid(s) or cover(s) unattended. 30 TAC §285.38 (g) Any person who accesses any secured lid(s) or cover(s) on an OSSF shall secure the lid(s) or cover(s) when access is complete.
20. Liquid input into this system shall not exceed 240 gallons per day.

Note: This design in no way constitutes a warranty, extension of warranty, and/or guarantee of system operation or function. Owner is ultimately responsible for the system upkeep (retaining maintenance, reporting problems, monitoring flow, etc.). While the designer has made diligent effort to preserve vegetation and the landscape, the designer is not responsible for any losses (trees, landscaping, etc.) due to installation, operation, and/or system failure.

Construction Notes



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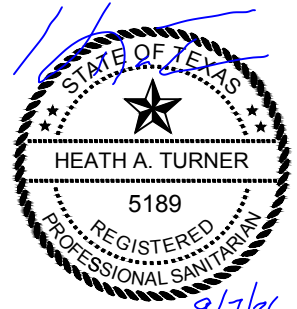
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30 TAC §285 Site Specific Rules & Regulations

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§285.32 (a)(1) The pipe from the sewer stub out to the treatment tank shall be constructed of cast iron, ductile iron, polyethylene, polypropylene, or polyvinyl chloride (PVC) Schedule 40, standard dimension ratio (SDR) 26 or other material approved by the executive director.

§285.32 (a)(3) The slope of the pipe shall be no less than 1/8 inch fall per foot of pipe.

§285.32 (a)(5) A two-way cleanout plug must be provided between the sewer stub out and the treatment tank. Only sanitary type fittings constructed of PVC Schedule 40 or SDR 26 shall be used on this section of the sewer. An additional cleanout plug shall be provided every 100 feet on long runs of pipe and within five feet of 90 degree bends.

§285.32 (b)(1)(F) Installation of tanks. For gravity disposal systems, septic tanks must be installed with at least a 12 inch drop in elevation from the bottom of the outlet pipe to the bottom of the disposal area. A minimum of four inches of sand, sandy loam, clay loam, or pea gravel, free of rock larger than 1/2 inch in diameter, shall be placed under and around all tanks, except poured-in-place concrete tanks. Unless otherwise approved by the permitting authority, tank excavations shall be left open until they have been inspected by the permitting authority. Tank excavations must be backfilled with soil or pea gravel that is free of rock larger than 1/2 inch in diameter. Class IV soils and gravel larger than one-half inch in diameter are not acceptable for use as backfill material. If the top of a septic tank extends above the ground surface, soil may be mounded over the tank to maintain slope to the drainfield.

§285.33 (d)(2)(A) Acceptable surface application areas. Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope) and shall be covered with grasses, evergreen shrubs, bushes, trees, or landscaped beds containing mixed vegetation. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent. Sloped land (with greater than 15%) may be acceptable if it is properly landscaped and terraced to minimize runoff.

§285.33 (d)(2)(B) Unacceptable surface application areas. Land that is used for growing food, gardens, orchards, or crops that may be used for human consumption, as well as unseeded bare ground, shall not be used for surface application.

§285.33 (d)(2)(G)(i) Sprinkler criteria. The maximum inlet pressure for sprinklers shall be 40 pounds per square inch. Low angle nozzles (15 degrees or less in trajectory) shall be used in the sprinklers to keep the spray stream low and reduce aerosols. If the separation distance between the property line and the edge of the surface application area is less than 20 feet, sprinkler operation shall be controlled by commercial irrigation timers set to spray between midnight and 5 a.m.

§285.33 (d)(2)(G)(v) Color coding of distribution system. All new distribution piping, fittings, valve box covers and sprinkler tops shall be permanently colored purple to identify the system as a reclaimed water system according to Chapter 210 of this title (relating to Use of Reclaimed Water).

§285.34 (c) Electrical wiring. All electrical wiring shall conform to the requirements the National Electric Code (1999) or under any other standards approved by the executive director. Additionally, all external wiring shall be installed in approved, rigid, non-metallic gray code electrical conduit. The conduit shall be buried according to the requirements in the National Electrical Code and terminated at a main circuit breaker panel or sub-panel. Connections shall be in approved junction boxes. All electrical components shall have an electrical disconnect within direct vision from the place where the electrical device is being serviced. Electrical disconnects must be weatherproof (approved for outdoor use) and have maintenance lockout provisions.

§285.38 (c) For all OSSF"s permitted on or after September 1, 2023, inspection and cleanout 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.

§285.38 (c)(3) Risers must be fitted with removable watertight caps and protected against unauthorized intrusions. Acceptable protective measures include:

§285.38 (c)(3)(B) a cover that can be removed with tool.

§285.38 (g) Any person who accesses any secured lid(s) or cover(s) on an OSSF shall secure the lid(s) or cover(s) when access is complete.

Comal County Order 10.13 Under no circumstances shall the separation distance between the property line and the edge of the surface application area be less than 20 feet.



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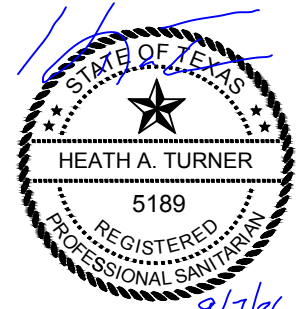
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Site Specific

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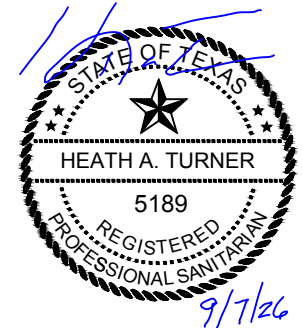
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Test Hole #1

Depth (Ft)	Texture Class	Structure Gravel	Drainage - Mottles Water Table	Restrictive Horizon
0	Class IV - Clay CrD - Comfort - Rock outcrop complex (USDA)	Blocky ~ 30 %	None	Yes ~ 12"
1				
2				
3				
4				
5				

Test Hole #2

Depth (Ft)	Texture Class	Structure Gravel	Drainage - Mottles Water Table	Restrictive Horizon
0	Class IV - Clay CrD - Comfort - Rock outcrop complex (USDA)	Blocky ~ 30 %	None	Yes ~ 12"
1				
2				
3				
4				
5				

1. At least two soil evaluations shall be performed on the site, at opposite ends of the disposal area. Show results of each on separate table. Location of each shall be shown on site drawing.
2. Subsurface disposal, soil evaluation shall be performed to a depth of 2 ft below the proposed excavation depth. For surface disposal, the surface horizon shall be evaluated.
3. Describe each soil horizon and identify any restrictive features in the space above. Draw a line at appropriate depths.

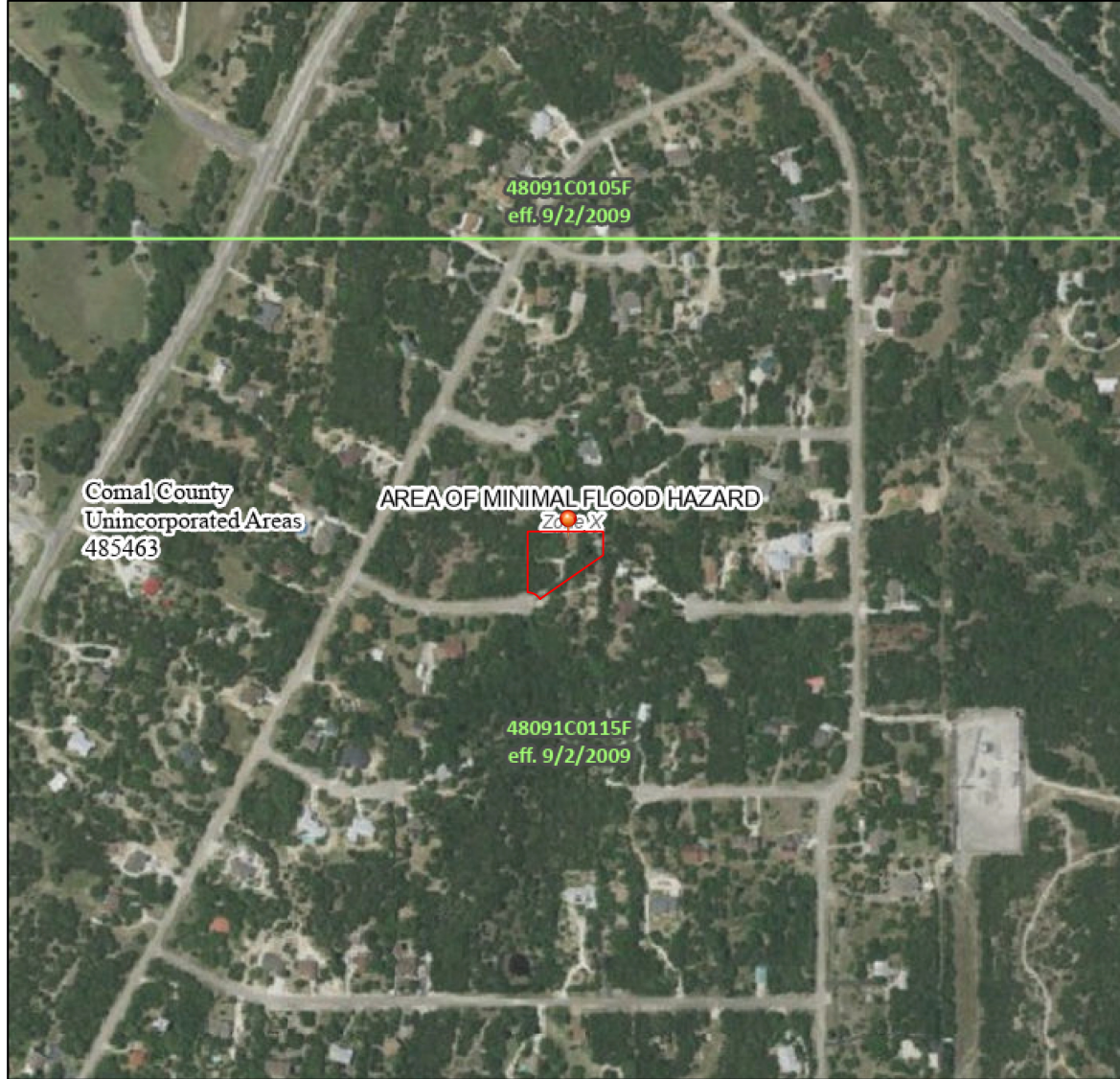
Comments: Class IV soil is not suitable for conventional system. Recommend aerobic treatment with surface application.

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National Flood Hazard Layer FIRM

98°12'54"W 29°56'22"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

98°12'16"W 29°55'51"N

Basemap Imagery Source: USGS National Map 2023

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
OTHER AREAS		Area with Flood Risk due to Levee Zone D
		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/7/2026 at 4:47 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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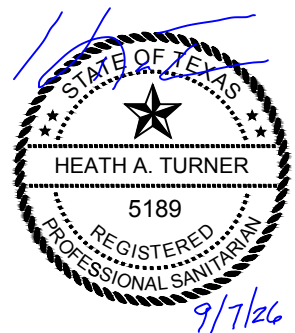
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Flood Zone: X

Flood Map

Specifications:

Square Feet Of House	1612	SqFt
Number Of Bedrooms	3	
Aerobic Treatment Unit Size §285.91 Table II	360	GPD
Proposed Aerobic Treatment Unit Size	600	GPD
Water Usage Rate §285.91 Table III (Q)	240	GPD
Effective Load Rate §285.90 Table I	0.064	GPSqFt
Application Area (A)	3750	SqFt
Proposed Number Of Sprinklers (S)	2	360°
Minimum Radius Of Sprinklers (R)	24.44	Ft
Proposed Radius (PR)	27	Ft
Proposed Application Area (PA)	4578	SqFt
Sprinkler Flow - 27' R @ 30 PSI (SF)	3.0	GPM
Flow Rate (F)	6.0	GPM
Dosing Duration (D)	40	Minutes

Calculations:

§285.33 (d)(2)(E) Application Area (A)

$$A = Q / R_i$$
$$A = 240 \text{ GPD} / .064 \text{ GPD/SqFt}$$
$$A = 3750 \text{ SqFt}$$

Minimum Radius Of Sprinklers (R) 2 @ 360°

$$R = \sqrt{((A / S) / \pi)}$$
$$R = \sqrt{((3750 \text{ SqFt} / 2) / 3.14)}$$
$$R = 24.44\text{Ft}$$

Proposed Application Area

$$PA = (PR^2 * \pi * S)$$
$$PA = (27 \text{ Ft}^2 * 3.14 * 2)$$
$$PA = 4578.12 \text{ SqFt}$$

Flow Rate (F)

$$F = S * SF$$
$$F = 2 * 3 \text{ GPM}$$
$$F = 6 \text{ GPM}$$

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Calculations / Specifications

Calculations Continued

Dosing Duration

$$D = Q / F$$
$$D = 240 \text{ GPD} / 6 \text{ GPM}$$
$$D = 40 \text{ Min}$$

Total Dynamic Head

Elevation Head (EH) = 7 Ft

Friction Head Loss (FH) = 4.86 Ft

1" Sch40 PVC @ **6 GPM** Friction Loss Per 100 Ft = 2.15 Ft

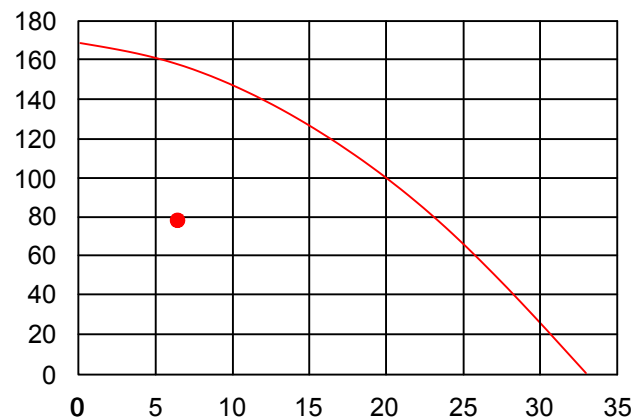
$$FH = (\text{Pipe Length} / 100) * FL * 1.2$$
$$FH = (80 / 100) * 2.15 \text{ Ft} * 1.2$$
$$FH = .80 * 2.15 \text{ Ft} * 1.2$$
$$FH = 2.04 \text{ Ft}$$

Pressure Head (PH) = 69.3 Ft

$$PH = \text{PSI} * 2.31\text{Ft/PSI}$$
$$PH = 30 \text{ PSI} * 2.31 \text{ Ft/PSI}$$
$$PH = 69.3 \text{ Ft}$$

$$TDH = EH + FH + PH$$
$$TDH = 7 \text{ Ft} + 2.04 \text{ Ft} + 69.3 \text{ Ft}$$
$$\text{TDH} = \mathbf{78.34 \text{ Ft}}$$

Little Giant C1 Series $\frac{1}{2}$ hp, 20 GPM
Performance Curve



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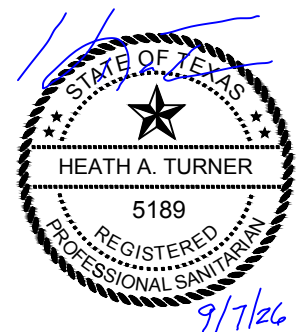
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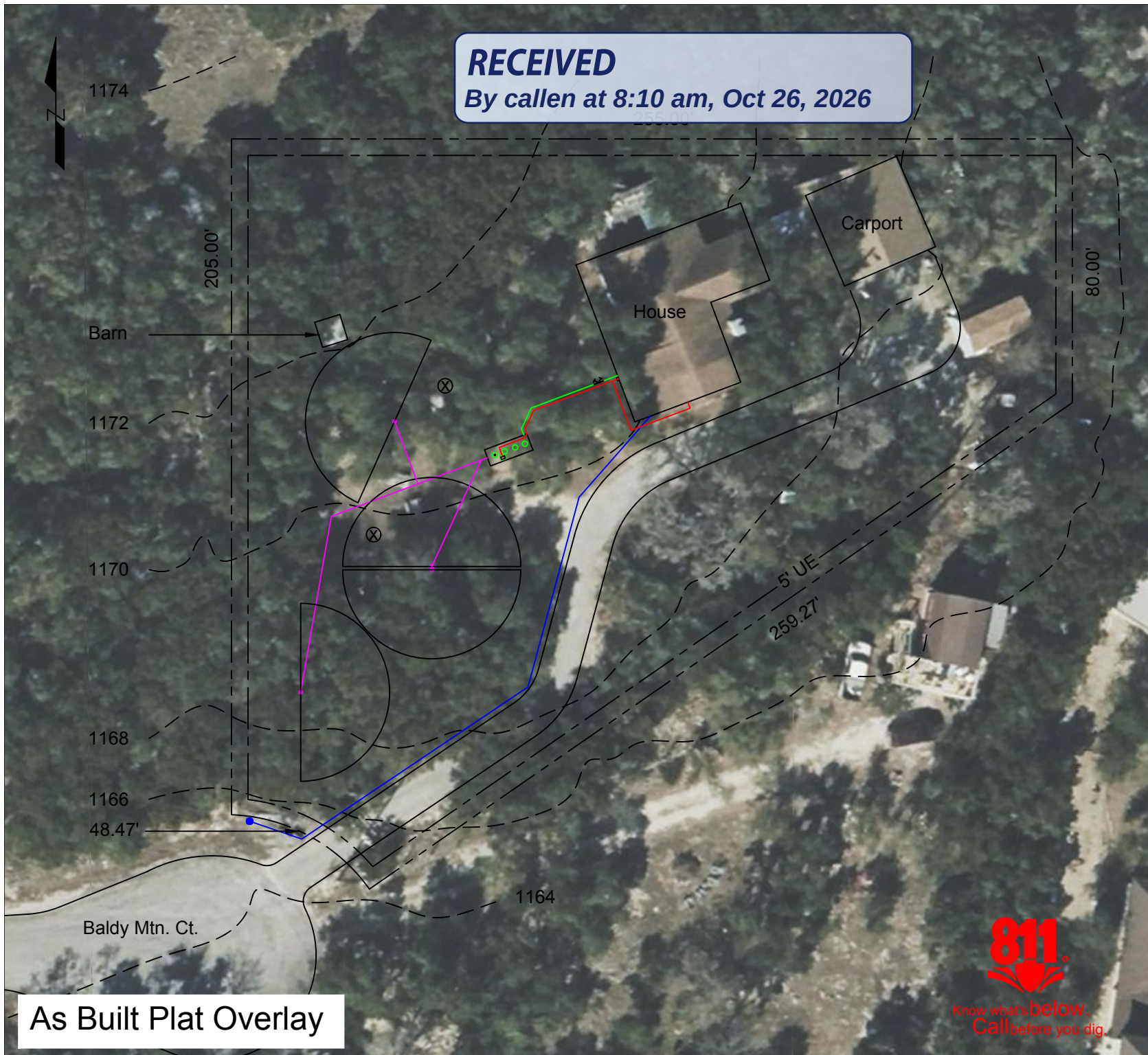
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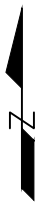
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Scale :
1" = 40'





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1174

205.00'

Barn

1172

1170

1168

1166

48.47'

Baldy Mtn. Ct.

1164

As Built Plat

255.00'

House

Carport

80.00'

5' UE
259.27'



Know what's below.
Call before you dig.

HATCO

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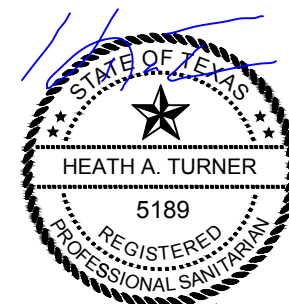
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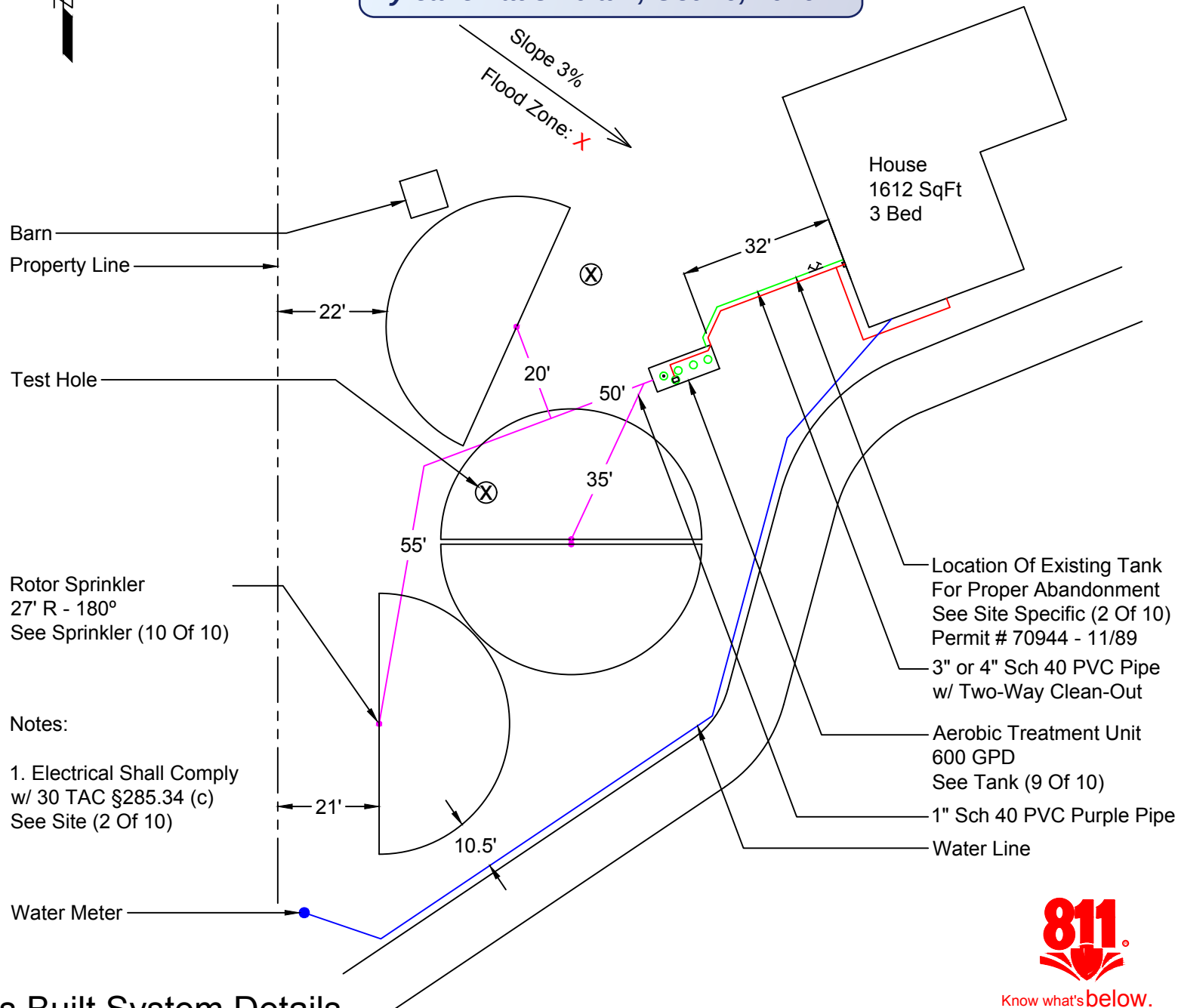
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Slope 3%
Flood Zone: X



As Built System Details

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Scale :
1" = 30'



811
Know what's below.
Call before you dig.

Page :
3 Of 3



26 structure material to be precast concrete and steel.

2. Maximum burial depth is 30" from final grade to top of tank.

3. Weight = 14,550 lbs

4. Treatment Capacity is 600 GPD. BOD Loading = 1.5 lbs/day.

5. Electrical wiring and conduit shall comply with 30 TAC §285.34 (c). See Site Specific (2 Of 10).

6. Bedding Material and Backfill shall comply with 30 TAC §285.32 (b)(1)(F), See Site Specific (2 Of 10).

7. All Inspection and Clean-Out Ports shall comply with 30 TAC §285.38 (c), (c)(3) & (c)(3)(B). See Site Specific (2 Of 10).

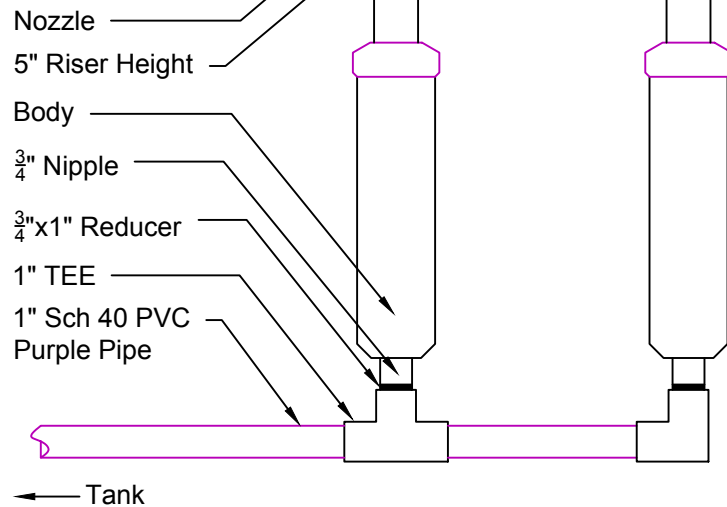
8. Sprinkler Operation shall be set between midnight and 5 a.m. in compliance with 30 TAC §285.33 (d)(2)(G)(i), See Site Specific (2 Of 10).

9. Intermatic FM1STUZH-24U Timer shall have a minimum of three (3) Captive Trippers set (15 minute intervals). Dosing Duration 40 Minutes, See Specifications / Calculations (5 Of 10).

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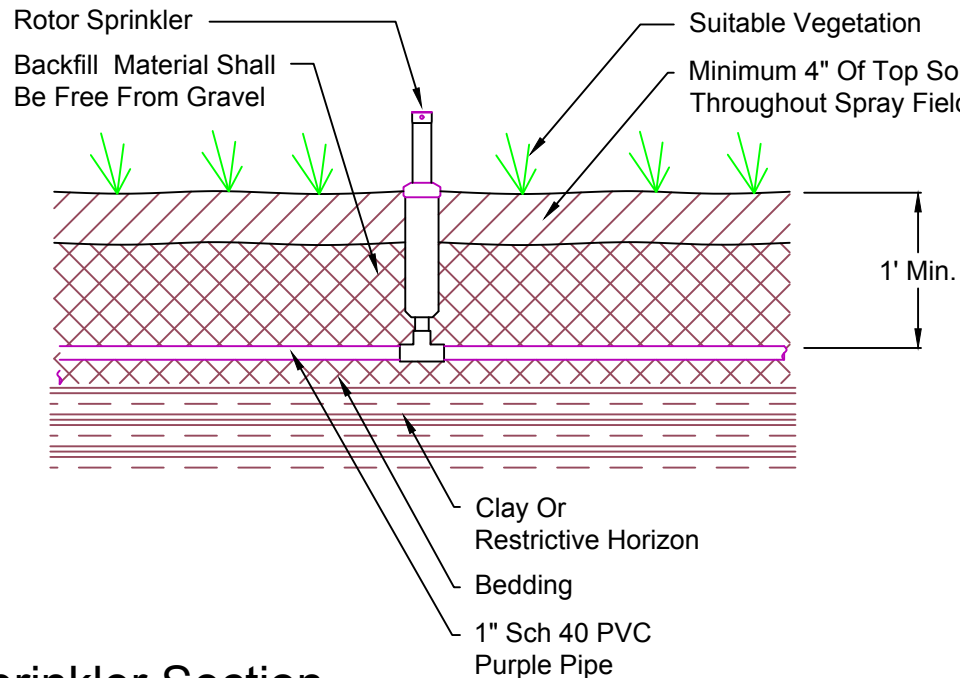
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Notes:

1. For Surface Application to work as designed, Installer shall use, K-Rain Pro Plus Model 11003-RCW w/ Low Angle Nozzle #3. (Or Equivalent)
2. Acceptable Surface Application Areas shall comply with 30 TAC §285.33 (d)(2)(A), See Site Specific (2 Of 10).
3. Unacceptable Surface Application Areas, refer to 30 TAC §285.33 (d)(2)(B), See Site Specific (2 Of 10).
4. Color Coding Of Distribution System shall comply with 30 TAC §285.33(d)(2)(G)(v), See Site Specific (2 Of 10).



Sprinkler Section



**K-Rain Pro Plus Model 11003-RCW
Low Angle Performance Data**

Nozzle	PSI	R- Ft	GPM	Precip in/hr
#3	30	29	3.0	.69
	40	32	3.1	.58
	50	35	3.5	.55
	60	37	3.8	.53



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Waste Tracking Form

GENERATOR INFORMATION

Generator Name: DAVID DAVIS
 Address: 1133 Baldy Mountain Ct Telephone: 432-940-6807
 County: COMAL
 Type of Waste Removed: ☒ Septic ☐ Chem. Toilet ☐ Grease Trap ☐ Sludge ☐
 Tank/Trap/Storage Capacity: 2K ☐ gallons ☐ yards ☐ tons
 Date of last removal: 10/22/2026 835

On 10/22/2026, the transporter removed a total of 835 ☒ gallons ☐ yards ☐ tons
 As the generator's representative, I certify that this waste contains no hazardous materials, was removed from this address, and is to be transported to a facility that the Texas Commission on Environmental Quality has authorized to receive these wastes.

Generator Name (print): DAVID DAVIS Generator Signature: [Signature]

TRANSPORTER INFORMATION

Business Name: HOMEFIELD HILL COUNTRYPARK
 Address: 136 CALOUS RD Telephone: 512-657-0324
 SNC Registration Number: _____
 Vehicle Capacity: 2K ☒ gallons ☐ yards ☐ tons
 Truck License Plate Number: _____ TCEQ Registration Number: _____

On 10/22/2026, I transported 835 ☒ gallons ☐ yards ☐ tons
 of waste described under "Generator Information" above to Waste Receiver: Second Nature Compost, LLC
 (TCEQ Reg. Number: 42044).

I certify that the information provided above is correct and that only the waste certified for removal by the generator is contained in this waste transport vehicle. I am aware that falsification of this trip ticket may result in revocation of my waste transportation permit, criminal prosecution, and/or civil penalties.

Driver name (print): DARTON LEMMON Driver signature: [Signature]

DISPOSAL FACILITY INFORMATION

Business Name: Second Nature Compost, LLC TCEQ Registration Number: 42044
 Address: 8449 Nelson Rd, San Antonio, TX 78252 Telephone: 210-960-6440

As the representative of this business, I certify that each of the following statements is true:

- *The Texas Commission on Environment Quality has authorized this business to accept the waste specified under "Generator Information" above.
- *The transporter named above delivered _____ ☐ gallons ☐ yards ☐ tons of this waste to this business on _____/_____/_____ at _____:_____ ☐ AM ☐ PM.
- *This waste has been recycled or disposed as required by the TCEQ authorization for this business and has been or will be treated in accordance with the pathogen and vector attraction reduction requirements of 30 TAC 312.82.

Site Operator Name (print): _____ Signature: _____

61815

White Copy - Field Office | Green Copy - Accounting | Yellow Copy - Transporter
 Pink Copy - Generator (Final) | Gold Copy - Generator (Initial)

Construction Notes:

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1. It is the Installer's responsibility to review the design criteria for construction.
2. The septic system shall be installed by a registered Installer of on-site sewage facilities as required by 30 TAC §285.
3. Anything pertaining to this job that is not clear or specifically covered, is covered by 30 TAC §285 or local jurisdiction rules and regulations.
4. Prior to construction of the septic system, an on-site sewage facilities permit shall be obtained from the local regulatory authority. It will be the Installer's responsibility to acquire all necessary permits and arrange for inspections by local regulating authority.
5. If discrepancies exist between design and actual site conditions, Installer shall notify designer and permitting authority prior to construction.
6. Installer shall be responsible to comply with 30 TAC §285 (6/14/2023) and local regulations for proper OSSF installation.
7. The Installer shall be responsible for identifying all property lines, easements and other related improvements either actual or proposed and verify that the septic system installation does not violate any regulation or law.
8. All roof and surface drainage shall be diverted from the drain-field by gutters, berms, swales, etc.
9. It is required that water conserving methods be used with this system, including low flush toilets (1.6 gallons per flush), pressure reducing faucets aerators and showerheads to reduce overloading the drain-field.
10. Should seepage or other underground water be found, stop all construction and notify the design engineer and/or the permitting authority.
11. Installer shall notify all utility and pipeline companies with facilities adjacent to or in the vicinity of the proposed construction and have each facility located prior to construction.
12. It is the Installer's responsible to verify the depth and location of all existing utilities during construction and shall protect the same utilities from damage.
13. The Installer shall provide training to the Owner for proper operation and maintenance of the system.
14. Final grade of drain-field shall be slightly mounded or have continual slope to facilitate rainwater drainage.
15. Final grade shall be covered with vegetation fully capable of taking maximum advantage of transpiration. Evergreen bushes with shallow root systems may be planted in the disposal area to assist in water uptake. Grasses with dormant periods shall be over seeded to provide year round transpiration.
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Construction Notes



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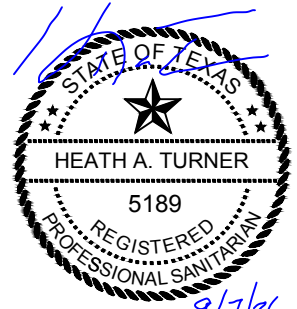
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By callen at 8:57 am, Oct 05, 2026

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§285.32 (a)(1) The pipe from the sewer stub out to the treatment system shall be constructed of cast iron, ductile iron, polyvinyl chloride (PVC) Schedule 40, standard dimension ratio (SDR) 26 or other material approved by the executive director.

§285.32 (a)(3) The slope of the pipe shall be no less than 1/8 inch fall per foot of pipe.

§285.32 (a)(5) A two-way cleanout plug must be provided between the sewer stub out and the treatment tank. Only sanitary type fittings constructed of PVC Schedule 40 or SDR 26 shall be used on this section of the sewer. An additional cleanout plug shall be provided every 100 feet on long runs of pipe and within five feet of 90 degree bends.

§285.32 (b)(1)(F) Installation of tanks. For gravity disposal systems, septic tanks must be installed with at least a 12 inch drop in elevation from the bottom of the outlet pipe to the bottom of the disposal area. A minimum of four inches of sand, sandy loam, clay loam, or pea gravel, free of rock larger than 1/2 inch in diameter, shall be placed under and around all tanks, except poured-in-place concrete tanks. Unless otherwise approved by the permitting authority, tank excavations shall be left open until they have been inspected by the permitting authority. Tank excavations must be backfilled with soil or pea gravel that is free of rock larger than 1/2 inch in diameter. Class IV soils and gravel larger than one-half inch in diameter are not acceptable for use as backfill material. If the top of a septic tank extends above the ground surface, soil may be mounded over the tank to maintain slope to the drainfield.

§285.33 (d)(2)(A) Acceptable surface application areas. Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope) and shall be covered with grasses, evergreen shrubs, bushes, trees, or landscaped beds containing mixed vegetation. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent. Sloped land (with greater than 15%) may be acceptable if it is properly landscaped and terraced to minimize runoff.

§285.33 (d)(2)(B) Unacceptable surface application areas. Land that is used for growing food, gardens, orchards, or crops that may be used for human consumption, as well as unseeded bare ground, shall not be used for surface application.

§285.33 (d)(2)(G)(i) Sprinkler criteria. The maximum inlet pressure for sprinklers shall be 40 pounds per square inch. Low angle nozzles (15 degrees or less in trajectory) shall be used in the sprinklers to keep the spray stream low and reduce aerosols. If the separation distance between the property line and the edge of the surface application area is less than 20 feet, sprinkler operation shall be controlled by commercial irrigation timers set to spray between midnight and 5 a.m.

§285.33 (d)(2)(G)(v) Color coding of distribution system. All new distribution piping, fittings, valve box covers and sprinkler tops shall be permanently colored purple to identify the system as a reclaimed water system according to Chapter 210 of this title (relating to Use of Reclaimed Water).

§285.34 (c) Electrical wiring. All electrical wiring shall conform to the requirements the National Electric Code (1999) or under any other standards approved by the executive director. Additionally, all external wiring shall be installed in approved, rigid, non-metallic gray code electrical conduit. The conduit shall be buried according to the requirements in the National Electrical Code and terminated at a main circuit breaker panel or sub-panel. Connections shall be in approved junction boxes. All electrical components shall have an electrical disconnect within direct vision from the place where the electrical device is being serviced. Electrical disconnects must be weatherproof (approved for outdoor use) and have maintenance lockout provisions.

§285.38 (c) For all OSSF"s permitted on or after September 1, 2023, inspection and cleanout 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.

§285.38 (c)(3) Risers must be fitted with removable watertight caps and protected against unauthorized intrusions. Acceptable protective measures include:

§285.38 (c)(3)(B) a cover that can be removed with tool.

§285.38 (g) Any person who accesses any secured lid(s) or cover(s) on an OSSF shall secure the lid(s) or cover(s) when access is complete.

Comal County Order 10.13 Under no circumstances shall the separation distance between the property line and the edge of the surface application area be less than 20 feet.



Heath A. Turner
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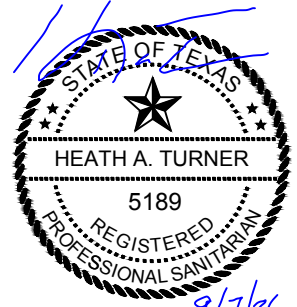
heath@hatcollc.com
432-386-0451

911 Address :
1133 Baldy Mtn. Ct.
Canyon Lake, TX 78133

Legal :
Devils Backbone Heights
Lot 72, .80 Ac
Property ID: 24384

Date :
September 7, 2026

Scale :
NTS



Page :
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Site Specific

Test Hole #1

Depth (Ft)	Texture Class	Structure Gravel	Drainage - Mottles Water Table	Restrictive Horizon
0	Class IV - Clay CrD - Comfort - Rock outcrop complex (USDA)	Blocky ~ 30 %	None	Yes ~ 12"
1				
2				
3				
4				
5				

Test Hole #2

Depth (Ft)	Texture Class	Structure Gravel	Drainage - Mottles Water Table	Restrictive Horizon
0	Class IV - Clay CrD - Comfort - Rock outcrop complex (USDA)	Blocky ~ 30 %	None	Yes ~ 12"
1				
2				
3				
4				
5				

1. At least two soil evaluations shall be performed on the site, at opposite ends of the disposal area. Show results of each on separate table. Location of each shall be shown on site drawing.
2. Subsurface disposal, soil evaluation shall be performed to a depth of 2 ft below the proposed excavation depth. For surface disposal, the surface horizon shall be evaluated.
3. Describe each soil horizon and identify any restrictive features in the space above. Draw a line at appropriate depths.

Site Evaluation

VOID

Comments: Class IV soil is not suitable for conventional system. Recommend aerobic treatment with surface application.

Heath A Turner, OS0030263



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Hunt, TX 78024

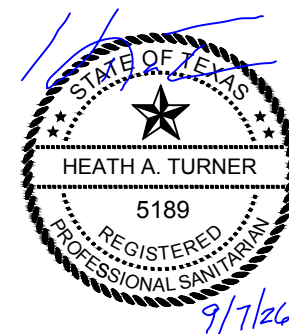
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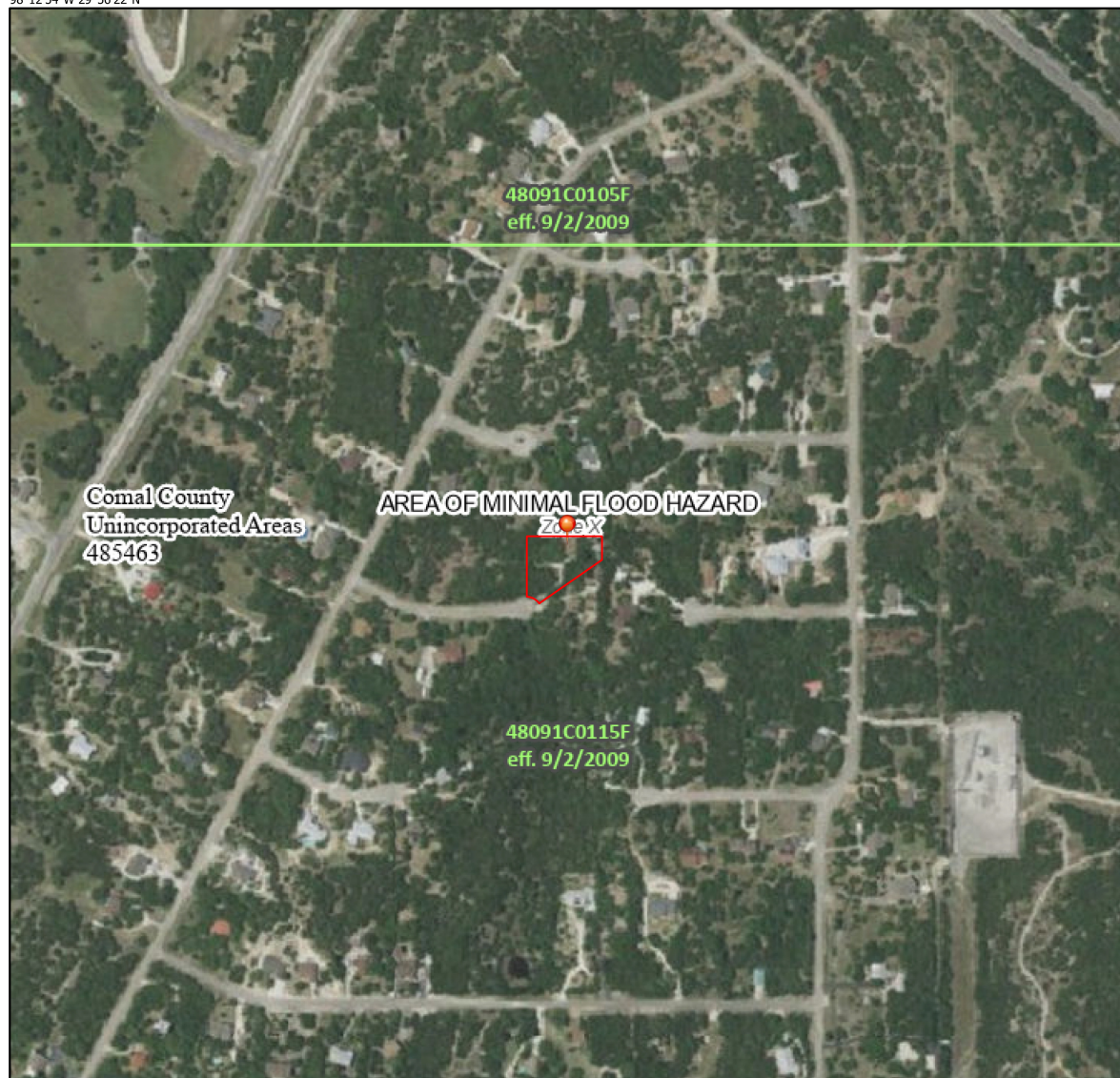
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National Flood Hazard Layer FIRMette

98°12'54"W 29°56'22"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 98°12'16"W 29°55'51"N
Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee, See Notes, Zone X
		Area with Reduced Flood Risk due to Levee, See Notes, Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMR
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/7/2026 at 4:47 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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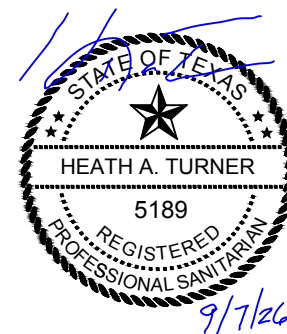
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Flood Zone: X

Flood Map

Page :
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Specifications:

Square Feet Of House	1612	SqFt
Number Of Bedrooms	3	
Aerobic Treatment Unit Size §285.91 Table II	360	GPD
Proposed Aerobic Treatment Unit Size	600	GPD
Water Usage Rate §285.91 Table III (Q)	240	GPD
Effective Load Rate §285.90 Table I	0.064	GPSqFt
Application Area (A)	3750	SqFt
Proposed Number Of Sprinklers (S)	2	360°
Minimum Radius Of Sprinklers (R)	24.44	Ft
Proposed Radius (PR)	27	Ft
Proposed Application Area (PA)	4578	SqFt
Sprinkler Flow - 27' R @ 30 PSI (SF)	3.0	GPM
Flow Rate (F)	6.0	GPM
Dosing Duration (D)	40	Minutes

Calculations:

§285.33 (d)(2)(E) Application Area (A)

$$A = Q / R_i$$
$$A = 240 \text{ GPD} / .064 \text{ GPD/SqFt}$$
$$A = 3750 \text{ SqFt}$$

Minimum Radius Of Sprinklers (R) 2 @ 360°

$$R = \sqrt{(A / S) / \pi}$$
$$R = \sqrt{((3750 \text{ SqFt} / 2) / 3.14)}$$
$$R = 24.44 \text{ Ft}$$

Proposed Application Area

$$PA = (PR^2 * \pi * S)$$
$$PA = (27 \text{ Ft}^2 * 3.14 * 2)$$
$$PA = 4578.12 \text{ SqFt}$$

Flow Rate (F)

$$F = S * SF$$
$$F = 2 * 3 \text{ GPM}$$
$$F = 6 \text{ GPM}$$

Calculations / Specifications

Calculations Continued

Dosing Duration

$$D = Q / F$$
$$D = 240 \text{ GPD} / 6 \text{ GPM}$$
$$D = 40 \text{ Min}$$

VOID

Total Dynamic Head

Elevation Head (EH) = 7 Ft

Friction Head Loss (FH) = 4.86 Ft

1" Sch40 PVC @ 6 GPM Friction Loss Per 100 Ft = 2.15 Ft

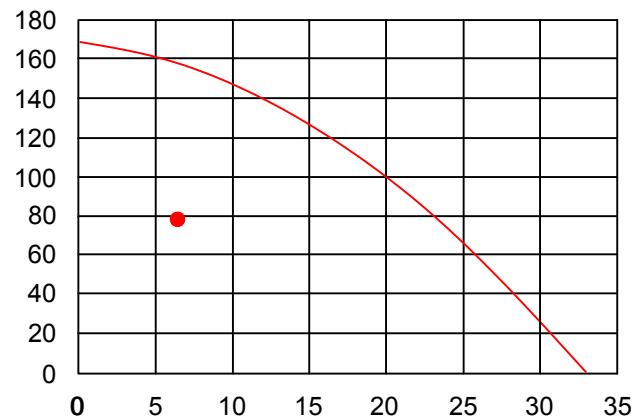
$$FH = (\text{Pipe Length} / 100) * FL * 1.2$$
$$FH = (80 / 100) * 2.15 \text{ Ft} * 1.2$$
$$FH = .80 * 2.15 \text{ Ft} * 1.2$$
$$FH = 2.04 \text{ Ft}$$

Pressure Head (PH) = 69.3 Ft

$$PH = \text{PSI} * 2.31 \text{ Ft/PSI}$$
$$PH = 30 \text{ PSI} * 2.31 \text{ Ft/PSI}$$
$$PH = 69.3 \text{ Ft}$$

$$TDH = EH + FH + PH$$
$$TDH = 7 \text{ Ft} + 2.04 \text{ Ft} + 69.3 \text{ Ft}$$
$$TDH = 78.34 \text{ Ft}$$

Little Giant C1 Series $\frac{1}{2}$ hp, 20 GPM
Performance Curve



HATCO

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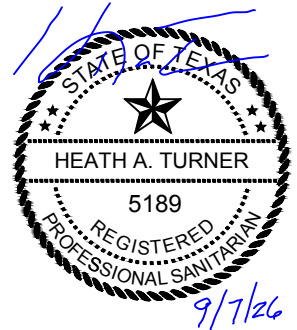
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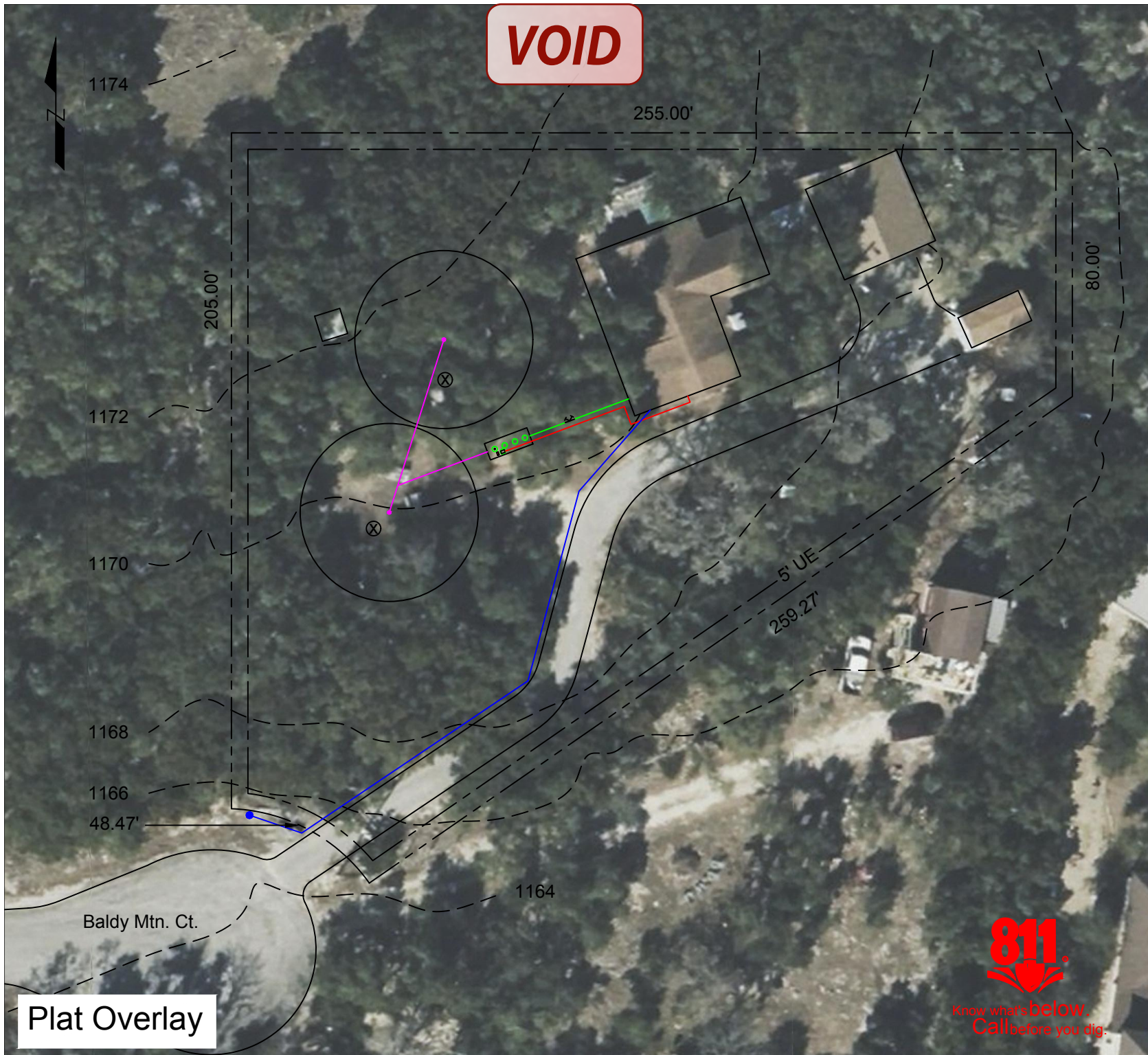
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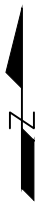
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Scale :
1" = 40'



Page :
6 Of 10



VOID

1174

255.00'

205.00'

80.00'

1172

1170

1168

1166

48.47'

1164

Baldy Mtn. Ct.

Plat

5' UE
259.27'

HATCO

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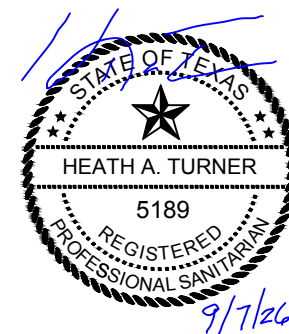
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811
Know what's below.
Call before you dig.

Page :
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VOID

36'

House
1612 SqFt
3 Bed

Barn
Property Line
Rotor Sprinkler
27' R - 360°
See Sprinkler (10 Of 10)
Test Hole

Notes:

1. Electrical Shall Comply
w/ 30 TAC §285.34 (c)
See Site (2 Of 10)

21'

55'

30'

32'

Slope 3%

Flood Zone: X

Driveway

Water Meter

Location Of Existing Tank
For Proper Abandonment
See Site Specific (2 Of 10)
Permit # 70944 - 11/89

3" or 4" Sch 40 PVC Pipe
w/ Two-Way Clean-Out

Aerobic Treatment Unit
600 GPD
See Tank (9 Of 10)

1" Sch 40 PVC Purple Pipe

Water Line

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Heath A. Turner
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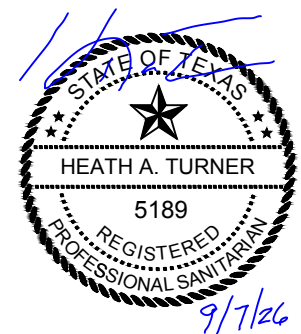
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Scale :
1" = 30'



System Details

811
Know what's below.
Call before you dig.



VOID

B-550 / 600 GPD Aerobic Treatment Unit (Assembled)

768 Gallon pump tank 53" liquid depth, 14.49 GPI

Lag On @ 30" above the floor

Alarm On @ 28" above the floor (17" or 246.33 gallons
between pump on/off and alarm on) (25" or 362.25 gallons
between alarm on and flow line)

Pump On/Off @ 11" above the floor (159.39 gallons residual)

Dimensions

Outside Height: 67"

Outside Width: 63"

Outside Length: 164"

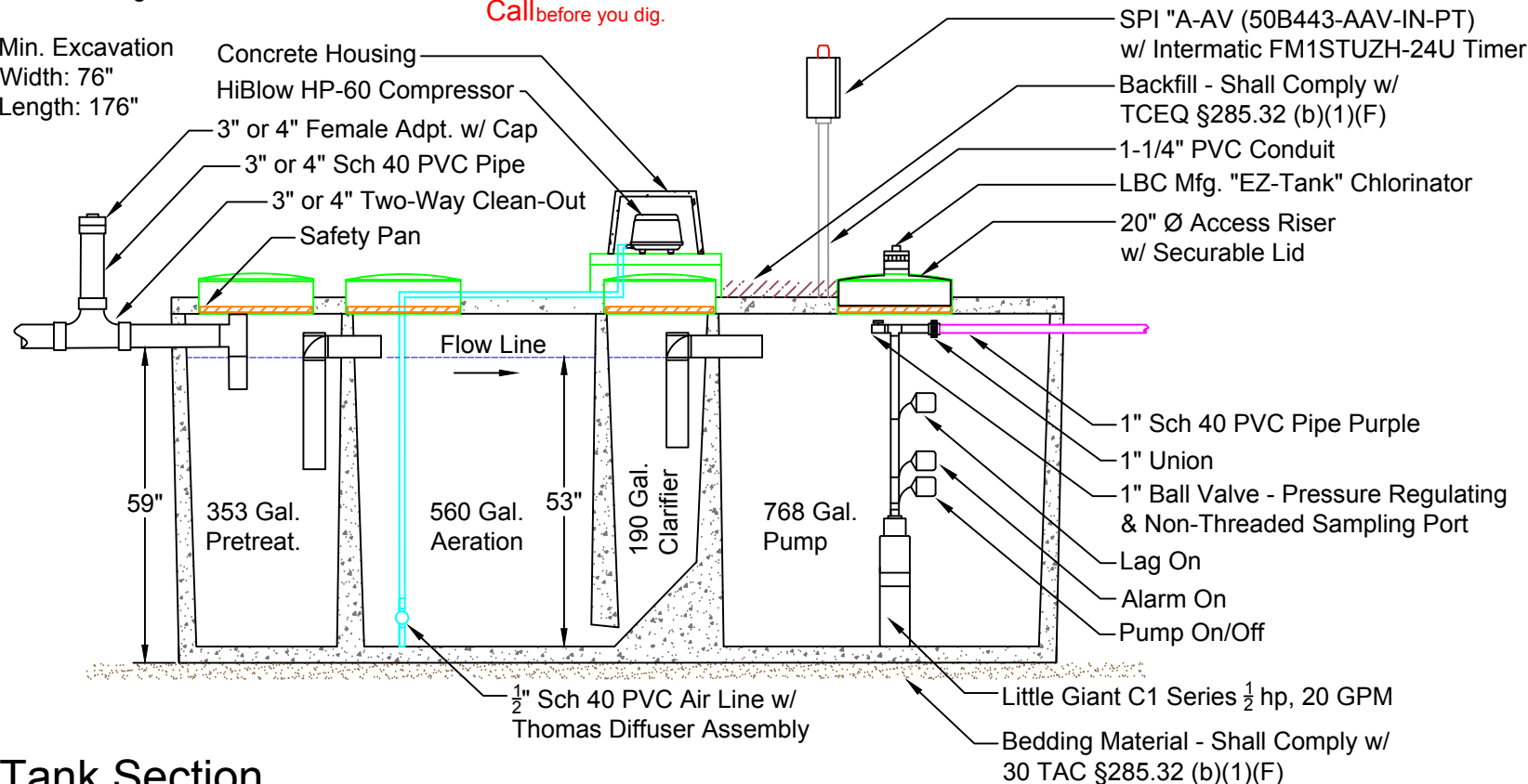
Min. Excavation
Width: 76"
Length: 176"



Know what's **below**.
Call before you dig.

Notes:

1. Plant structure material to be precast concrete and steel.
2. Maximum burial depth is 30" from final grade to top of tank.
3. Weight = 14,550 lbs
4. Treatment Capacity is 600 GPD. BOD Loading = 1.5 lbs/day.
5. Electrical wiring and conduit shall comply with 30 TAC §285.34 (c). See Site Specific (2 Of 10).
6. Bedding Material and Backfill shall comply with 30 TAC §285.32 (b)(1)(F), See Site Specific (2 Of 10).
7. All Inspection and Clean-Out Ports shall comply with 30 TAC §285.38 (c), (c)(3) & (c)(3)(B). See Site Specific (2 Of 10).
8. Sprinkler Operation shall be set between midnight and 5 a.m. in compliance with 30 TAC §285.33 (d)(2)(G)(i), See Site Specific (2 Of 10).
9. Intermatic FM1STUZH-24U Timer shall have a minimum of three (3) Captive Trippers set (15 minute intervals). Dosing Duration 40 Minutes, See Specifications / Calculations (5 Of 10).



Tank Section



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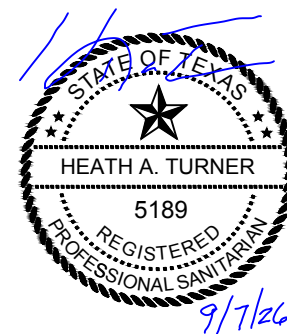
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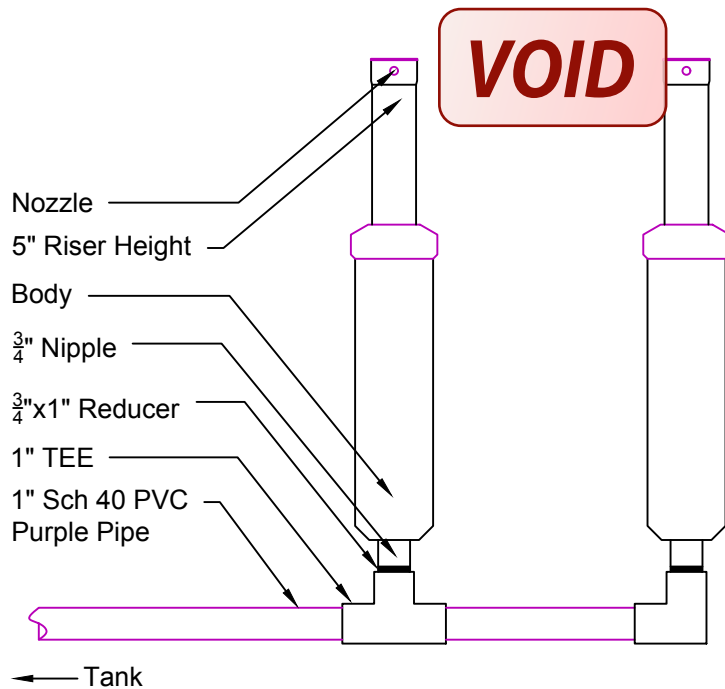
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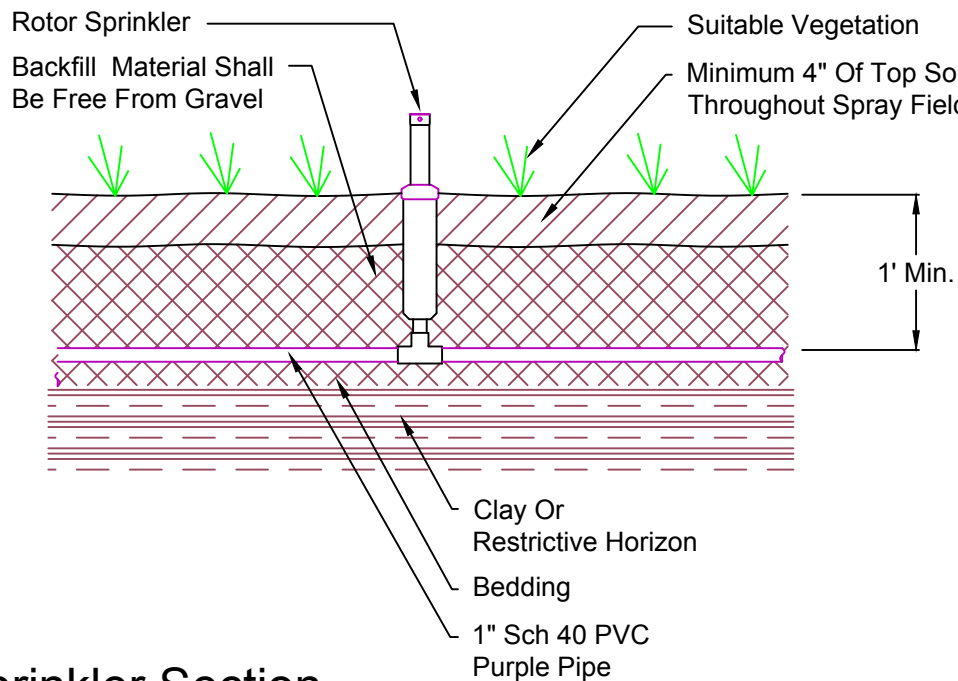


Page :
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Notes:

1. For Surface Application to work as designed, Installer shall use, K-Rain Pro Plus Model 11003-RCW w/ Low Angle Nozzle #3. (Or Equivalent)
2. Acceptable Surface Application Areas shall comply with 30 TAC §285.33 (d)(2)(A), See Site Specific (2 Of 10).
3. Unacceptable Surface Application Areas, refer to 30 TAC §285.33 (d)(2)(B), See Site Specific (2 Of 10).
4. Color Coding Of Distribution System shall comply with 30 TAC §285.33(d)(2)(G)(v), See Site Specific (2 Of 10).



Sprinkler Section



K-Rain Pro Plus Model 11003-RCW Low Angle Performance Data

Nozzle #3	PSI	R- Ft	GPM	Precip in/hr
	30	29	3.0	.69
	40	32	3.1	.58
	50	35	3.5	.55
	60	37	3.8	.53



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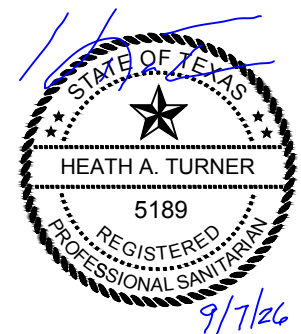
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1" = 40'



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1174

255.00'

205.00'

Barn

1172

1170

1168

1166

48.47'

Baldy Mtn. Ct.

1164

Plat

House

VOID

Carport

80.00'

5' UE
259.27'

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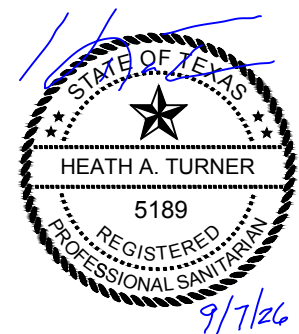
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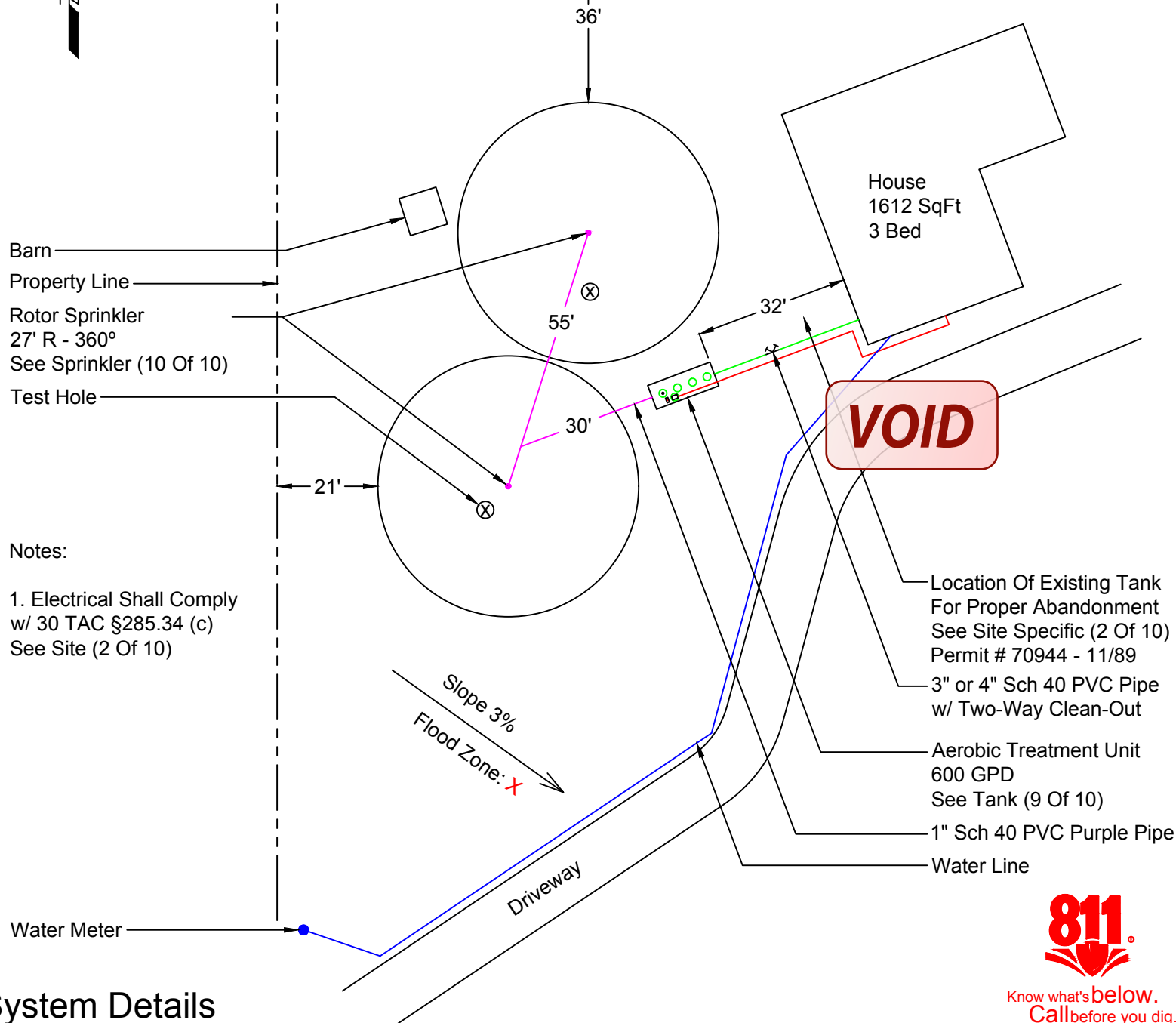
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1" = 30'



Page :
8 Of 10



Barn
Property Line
Rotor Sprinkler
27' R - 360°
See Sprinkler (10 Of 10)
Test Hole

Notes:
1. Electrical Shall Comply
w/ 30 TAC §285.34 (c)
See Site (2 Of 10)

Location Of Existing Tank
For Proper Abandonment
See Site Specific (2 Of 10)
Permit # 70944 - 11/89

3" or 4" Sch 40 PVC Pipe
w/ Two-Way Clean-Out

Aerobic Treatment Unit
600 GPD
See Tank (9 Of 10)

1" Sch 40 PVC Purple Pipe

Water Line



System Details



ON-SITE SEWAGE FACILITY APPLICATION

Planning Materials & Site Evaluation as Required Completed By Heath A Turner

System Description Aerobic Treatment w/ Surface Application

VOID

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

Tank Size(s) (Gallons) 600 GPD ATU

Absorption/Application Area (Sq Ft) 4578

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.)

Is there at least one acre per single family dwelling as per 285.40(c)(1)? ☐ Yes ☒ No

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

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

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

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

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

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

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

Is this property within an incorporated city? ☐ 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.



Signature of Designer

Date

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

WARRANTY DEED WITH VENDOR'S LIEN

Date: August 17, 2026

Grantor: Helen Anne Ross, Independent Executor of The Estate of Lara Anne Gillespie AKA Lara A. Murphy

Grantor's Mailing Address: 2103 Bayhouse Dr
(including county) Rockport, Aransas County, TX 78382

Grantee: David P. Davis and spouse, Donna J. Davis

Grantee's Mailing Address: 1512 Katherine
(including county) Pecos, RUUS County, TX 79772

Consideration: TEN AND NO/100 DOLLARS (\$10.00) and other valuable consideration and a note of even date in the principal amount of Two Hundred Fifty-Five Thousand Two Hundred and no/100 DOLLARS (\$255,200.00) executed by Grantee payable to the order of WESTEX COMMUNITY CREDIT UNION. The note is secured by a vendor's lien retained in favor of WESTEX COMMUNITY CREDIT UNION in this deed and by a deed of trust of even date from Grantee to KENNETH ARNOLD, Trustee.

Property (including any improvements):

Lot 72, DEVIL'S BACKBONE HEIGHTS, a subdivision in Comal County, Texas, according to the map or plat thereof recorded in Volume 6, Page 107 of the Map and Plat Records, Comal County, Texas.

Reservations from and Exceptions to Conveyance and Warranty:

This conveyance is made subject to any easements, conditions, mandatory homeowners assessments and/or restrictions of record affecting the title to the hereinbefore described property .

Grantor, for the consideration and subject to the reservations from and 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 wise belonging, to have and hold it to Grantee, Grantee's heirs, executors, administrators, successors, or assigns forever.

Grantor hereby binds Grantor and Grantor's heirs, executors, administrators, and successors to warrant and forever defend all and singular the property to Grantee and Grantee's heirs, executors, administrators, successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the reservations from and 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 shall become absolute.

WESTEX COMMUNITY CREDIT UNION, at Grantee's request, has paid in cash to Grantor that portion of the purchase price of the property that is evidenced by the note described above. The vendor's lien and superior title to the property are retained for the benefit of WESTEX COMMUNITY CREDIT UNION and are transferred to that party without recourse on Grantor.

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

Helen Anne Ross
Helen Anne Ross, Independent Executor of The
Estate of Lara Anne Gillespie AKA Lara A. Murphy

THE STATE OF TEXAS

COUNTY OF Dallas

This instrument was acknowledged before me on the 17th day of August, 2026

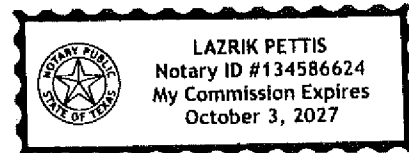
by Helen Anne Ross, Independent Executor of The Estate of Lara Anne Gillespie AKA Lara A. Murphy

Notary Public: check the appropriate box - and only one box - as applicable to this notarial act:

- ☒ This notarial act is a traditional notarization. The person(s) acknowledging is/are physically appearing before me.
- ☐ This notarial act is an online notarization. The person(s) acknowledging is/are appearing before me by an interactive two-way audio and video communication that meets the online notarization requirements under Subchapter C, Chapter 406, TX Government Code, and rules adopted under that subchapter.

[Signature]
Notary Public, State of Texas

(Personalized Seal Above)



THE STATE OF TEXAS

COUNTY OF _____

This instrument was acknowledged before me on the _____ day of _____, 20____.

by

Notary Public: check the appropriate box - and only one box - as applicable to this notarial act:

- ☐ This notarial act is a traditional notarization. The person(s) acknowledging is/are physically appearing before me.
- ☐ This notarial act is an online notarization. The person(s) acknowledging is/are appearing before me by an interactive two-way audio and video communication that meets the online notarization requirements under Subchapter C, Chapter 406, TX Government Code, and rules adopted under that subchapter.

Notary Public, State of Texas

(Personalized Seal Above)

THE STATE OF TEXAS

}

COUNTY OF _____

This instrument was acknowledged before me on the _____ day of _____, 20_____.

by

Notary Public: check the appropriate box - and **only one box** - as applicable to this notarial act:

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(Personalized Seal Above)

THE STATE OF TEXAS

}

COUNTY OF _____

This instrument was acknowledged before me on the _____ day of _____, 20_____.

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Notary Public, State of Texas

(Personalized Seal Above)

AFTER RECORDING RETURN TO:

David P. Davis
1512 Katherine
Pecos, TX 79772

PREPARED IN THE LAW OFFICE OF:

BairdLaw, PLLC
242 W. Sunset, Suite 201
San Antonio, Texas 78209

**Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
08/18/2026 09:50:26 AM
PRISCILLA 4 Pages(s)
202606024969**



Bobbie Koepp



COMAL COUNTY

ENGINEER'S OFFICE

RE: Devil's Backbone Heights Lot 72

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:

- ✓ 1. Page 2 designer needs to sign and certify the signature area on bottom.
- ✓ 2. Identify 2 other structures shown on design. Do they have water or discharge?
- ✓ 3. Revise accordingly and resubmit.

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

Thank You,

| **Corey Allen** | Designated Representative OS0036769 |

| Comal County | www.cceo.org | f: 830-608-2078 | e: callen@comalcounty.gov