

Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: **06/25/2019** Permit Number: **109247**

Location Description: **721 PECAN ST
CANYON LAKE, TX 78133**
Subdivision: Canyon Corner
Unit: 2
Lot: 14
Block:
Acreage:

Type of System: **Septic Tank
Leaching Chambers**

Issued to: **Donnie Russell Daily and Stefanie Lynn Daily**

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

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

Alterations to this permit including, but not limited to:

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

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

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

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

Licensing Authority
Comal County Environmental Health


ENVIRONMENTAL HEALTH INSPECTOR

OS0032485


ENVIRONMENTAL HEALTH COORDINATOR
OS 0025599

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: D. Winters OSSF Installer #: 05 000 5924
 1st Inspection Date: 6-21-19 2nd Inspection Date: _____ 3rd Inspection Date: 6-25-19 final
 Inspector Name: Connor Inspector Name: _____ Inspector Name: Connor
 Permit#: 109247 G.C. 1104 Address Canyon Corner 721 Pecan

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)				

*tank set level no leaks trenches level per plan
Cover all old tank removed, crushed*

Covered 6-25-19 sc

**Comal County Environmental Health
OSSF Inspection Sheet**

Final

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)(i) 285.33(d)(2)(G)(iii)(ii) 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)	<i>Covered</i>			✓
42	APPLICATION AREA Area Installed	✓		<i>per plan</i>	✓		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: D. Winters OSSF Installer #: 05 000 5924

1st Inspection Date: 6-21-19 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: Connor Inspector Name: _____ Inspector Name: _____

Permit#: 109247 G.C. 1104 Address Canyon Corner 721 Pecan

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4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	/	285.32(a)(3)		/		
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7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

*tank set level no leaks trenches level per plan
Cover all old tank removed, crushed*

**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)(5) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

**Comal County Environmental Health
OSSF Inspection Sheet**

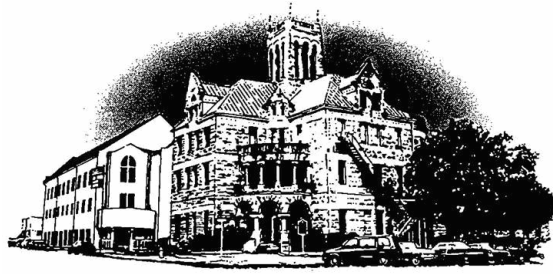
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
19	DISPOSAL SYSTEM Drip Irrigation		285.33(c)(3)(A)-(F)				
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(3) 285.33(a)(1) 285.33(a)(2)				
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 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	/		<i>per plan</i>	/		
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	/		<i>per plan</i>			
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	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom)</p> <p>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</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart</p>		<p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(B)</p> <p>285.91(13)</p> <p>285.33(b)(3)(D)</p> <p>285.33(b)(3)(F)</p>				
33	<p>AEROBIC TREATMENT UNIT is Aerobic Unit Installed According to Approved Guidelines.</p>		285.32(c)(1)				
34	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided</p> <p>AEROBIC TREATMENT UNIT Secondary restraint system provided</p> <p>AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank</p> <p>AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions</p>						
35	<p>AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.</p>						
36	<p>PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction</p> <p>PUMP TANK Sampling Port Provided in the Treated Effluent Line</p> <p>PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required</p> <p>PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump</p>						
37	<p>PUMP TANK Inspection/Clean Out Port & Risers Provided</p> <p>PUMP TANK Secondary restraint system provided</p> <p>PUMP TANK Riser permanently fastened to lid or cast into tank</p> <p>PUMP TANK Riser cap protected against unauthorized intrusions</p>						
38	<p>PUMP TANK Secondary restraint system provided</p>						
39	<p>PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried</p>						

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OSSF Inspection Sheet**

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43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



Comal County

OFFICE OF COMAL COUNTY ENGINEER

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

Permit Number: 109247
Issued This Date: 06/13/2019
This permit is hereby given to: Donnie Russell Daily and Stefanie Lynn Daily

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

721 PECAN ST
CANYON LAKE, TX 78133

Subdivision: Canyon Corner
Unit: 2
Lot: 14
Block:
Acreage:

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Septic Tank
Leaching Chambers

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.

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded

Items Date Received	Initials

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

Copy of Recorded Deed

N/A Surface Application/Aerobic Treatment System

N/A Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public

N/A Signed Maintenance Contract with Effective Date as Issuance of License to Operate

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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

Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

___ INCOMPLETE APPLICATION
(Missing Items Circled, Application Refused)

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

Date 06/03/19 Permit # 109247
Owner Name Donnie Russell Daily and
Stefanie Lynn Daily Agent Name John J. Haag, P.E.
Mailing Address 102 2nd Street Agent Address 15831 Secret Trail
City, State, Zip Center Point, Tx. 78010 City, State, Zip San Antonio, Tx. 78247
Phone # 830-708-1484 Phone # 210-705-4268
Email drd721@gmail.com Email jhaag@sabx.rr.com

All correspondence should be sent to: Owner Agent Both Method: Mail Email

Subdivision Name Canyon Corner Unit 2 Lot 14 Block _____
Acreage/Legal 0.2124
Street Name/Address 721 Pecan Street City Canyon Lake Zip 78133

Type of Development:

Single Family Residential

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

Number of Bedrooms 3

Indicate Sq Ft of Living Area 1754

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Commercial or Institutional Facility

COUNTY ENGINEER

(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: \$ 163,670 (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

Are Water Saving Devices Being Utilized Within the Residence? Yes No

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.
- 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.

Donnie Daily
Signature of Owner

6-3-19
Date

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

Planning Materials & Site Evaluation as Required Completed By John J. Haag, P.E.

System Description Conventional with leaching chambers

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

Tank Size(s) (Gallons) 1000 gal. min. Absorption/Application Area (Sq Ft) 900

Gallons Per Day (As Per TCEQ Table III) 300 gpd

(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.))

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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.)

COUNTY ENGINEER

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.

John J. Haag, P.E.
Signature of Designer

06/04/19
Date

ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

1. OWNER INFORMATION	
Property Owner's Full Legal Name: Donnie Daily	

2. PROPERTY INFORMATION				
City: Canyon Lake			Zip Code: 78133	
Legal Description:				
Lot: 14	Block:	Subdivision: Canyon Corner	Sec: 2	Phase:
If not located in subdivision: Survey:				
Abstract:			Recorded (Vol/Pg):	

3. SITE EVALUATION INFORMATION:	
Name of Site Evaluator: John J. Haag	PE #: 90158
Date Performed: 06/03/19	Proposed Excavation Depth: 5' max.

4. REQUIREMENTS:

- At least two soil evaluations must be performed on the site at opposite ends of the proposed disposal area. Locations of soil evaluations must be shown on the application site drawing or designer's site drawing.
- For subsurface disposal, soil evaluations must be performed to a depth of at least 2 feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Soil Profile Hole Number: 1					
Depth (ft.)	Textural Class	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0	III	<30%	No	No	Type III sandy clay loam 60" <div style="text-align: center;"> RECEIVED JUN 05 2019 COUNTY ENGINEER </div>
1					
2					
3					
4					
5					

ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

Soil Profile Hole Number: 2					
Depth (ft.)	Textural Class	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0	III	<30%	No	No	Type III sandy clay loam to 60"
1					
2					
3					
4					
5					

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JUN 05 2019

5. FEATURES OF SITE AREA:

COUNTY _____ ENGINEER

- | | |
|---|---|
| Presence of 100 year flood zone: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Presence of adjacent ponds, streams or water impoundments | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Existing or proposed water well in nearby area | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Organized sewage available to lot or tract | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Recharge features within 150 feet | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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



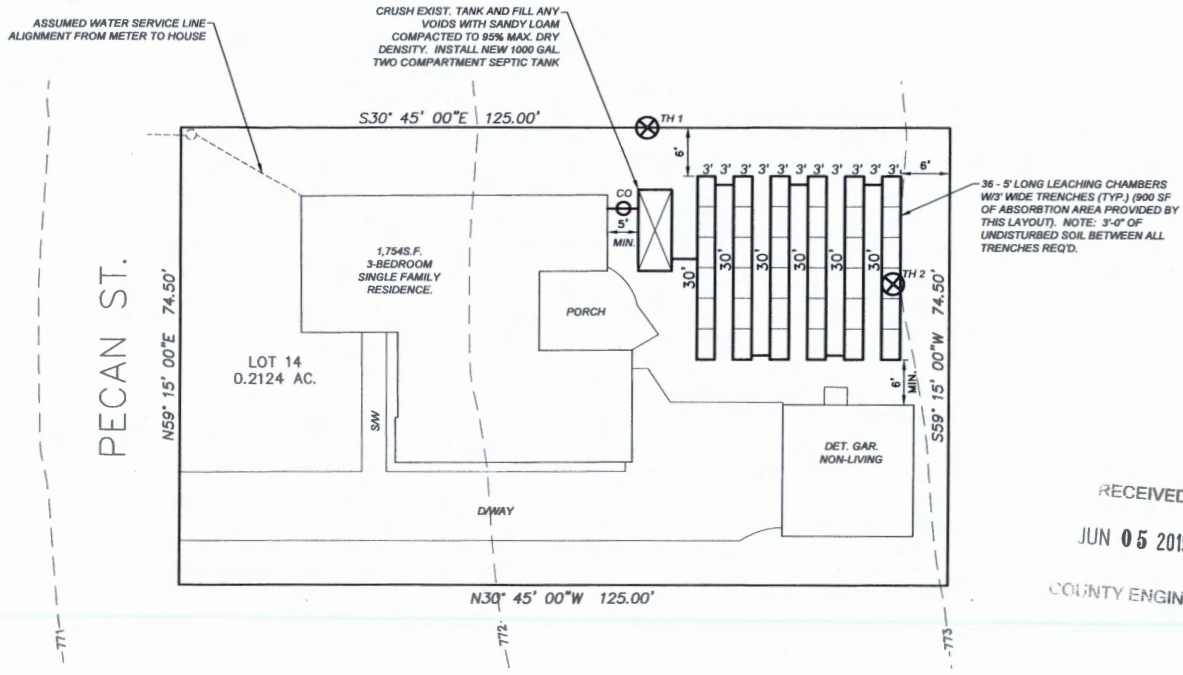
J. J. Haag, P.E.

06/03/19

Haag Engineering Consultants, Inc.
Firm #: F-5789

GENERAL NOTES:

- NO VEHICULAR TRAFFIC IS ALLOWED ON ANY PORTION OF THE DISPOSAL SYSTEM UNLESS THE DESIGN SPECIFIES OTHERWISE.
- PIPE ALIGNMENT TO THE DISPOSAL BEDS MAY BE ALTERED AS REQUIRED ANY CHANGE FROM THE PLANS MUST BE APPROVED BY THE ENGINEER AND THE APPROPRIATE GOVERNMENTAL AGENCY(IES).
- CONTRACTOR SHALL PROTECT TREES WHICH ARE NOT IN THE EXCAVATED CONSTRUCTION AREAS. CONTRACTOR SHALL MINIMIZE ROOT DAMAGE AND REASONABLY ADHERE TO THE DESIGN.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING A MINIMUM OF 1/4" PER FOOT OF FALL FROM THE BUILDING TO THE SEPTIC TANK.
- NO AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED OVER THE DISPOSAL AREAS. ANY WATERING IN THESE AREAS SHALL BE DONE BY HAND AND ONLY WHEN REQUIRED TO MAINTAIN GRASS COVER.
- ALL CONSTRUCTION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE APPROPRIATE AUTHORITY - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND ANY APPLICABLE LOCAL BUILDING AND SAFETY CODES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS SYSTEM.
- THE BEDS SHALL BE COVERED WITH PERENNIAL GRASSES TO TAKE ADVANTAGE OF TRANSPARATION. IF GRASSES ARE USED WHICH HAVE DORMANT PERIODS, STEPS SHOULD BE TAKEN TO PROVIDE SOME TYPE OF VEGETATION ON THE BEDS DURING THESE PERIODS.
- RECOMMENDED COVERAGE:
 - BERMUDA: 1 LB/1000 S.F.
 - RYE: 10 LB/1000 S.F.
 - OR ST. AUGUSTINE SOD.
- FIELDS MUST BE MOWED AT REGULAR INTERVALS. FAILURE TO PROPERLY MAINTAIN VEGETATIVE COVER MAY RESULT IN SYSTEM FAILURE AND SHALL BE THE RESPONSIBILITY OF THE OWNER.
- ALL PIPES SHALL BE SCHEDULE 40 PVC OR APPROVED EQUAL, UNLESS NOTED OTHERWISE. ALL JOINTS SHALL BE CLEANED WITH THE APPROPRIATE SOLVENT AND GLUED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- ALL POTABLE WATER LINES SHALL BE A MINIMUM OF 10 FEET FROM ANY DISPOSAL SYSTEM OR SEWERAGE PIPE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WATER LINES LESS THAN 10 FEET FROM THE DISPOSAL AREA.
- NO EXCAVATION IS PERMITTED NEAR THE DISPOSAL FIELDS THAT WILL RESULT IN THE NONCOMPLIANCE OF APPLICABLE SETBACKS STATED IN THE RULES AND REGULATIONS OF THE APPROPRIATE AUTHORITY.
- ONLY GOOD QUALITY SANDY LOAM SHALL BE APPLIED OVER THE DISPOSAL FIELDS. CLAY LOAM IS UNACCEPTABLE AND WILL CAUSE SYSTEM FAILURE. SANDY LOAM SHALL BE DEFINED AS SHOWN IN TABLE VI (USDA SOIL TEXTURAL CLASSIFICATIONS) OF THE RULES AND REGULATIONS OF THE TCEQ. THE INSTALLER IS RESPONSIBLE FOR VERIFYING THE QUALITY OF EACH LOAD OF LOAM PLACED ON THE SYSTEM.
- STORM WATER (RAINFALL RUNOFF) SHOULD NOT BE ALLOWED TO FLOW OVER THE DISPOSAL FIELDS OR THE TANKS. DIVERSION BERMS, SWALES AND/OR RAIN GUTTERS SHOULD BE INSTALLED AS NECESSARY TO PREVENT SUCH RUNOFF.
- THE CONTRACTOR IS RESPONSIBLE FOR STAKING AND VERIFYING THE GRADES PRIOR TO EXCAVATION. ANY DISCREPANCIES OF MORE THAN 6 INCHES SHALL BE REPORTED TO THE ENGINEER PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS WITHOUT THE WRITTEN CONSENT OF THE APPROPRIATE AUTHORITY AND THE ENGINEER.
- WATER SOFTENER AND/OR AIR CONDITIONING DRAIN LINES SHALL NOT BE CONNECTED TO THE SEPTIC TANK.
- CONTRACTOR SHALL REPORT TO THE ENGINEER ANY ELEVATION DIFFERENCES GREATER THAN 4 FEET BETWEEN THE HIGHEST AND LOWEST TRENCH IN THE FIELD. THIS SHOULD BE CHECKED PRIOR TO INSTALLING THE LATERALS AND MANIFOLD.
- THIS DISPOSAL SYSTEM HAS BEEN DESIGNED TO OPERATE PROPERLY AT SPECIFICATIONS NOTED IN THESE PLANS. ALTERATIONS TO THE SYSTEM BY THE OWNER, INCLUDING BUT NOT LIMITED TO LANDSCAPING, DRAINAGE, BUILDING AND/OR WATER USAGE, MAY CAUSE PREMATURE FAILURE AND SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLUMBING FIXTURES ARE CONNECTED TO THE DESIGNATED SEPTIC TANK(S). LOW FLOW TOILETS (1.6 GAL), SHOWERHEADS AND FAUCETS SHALL BE USED IN THE STRUCTURES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY AND PROTECTION OF THE PUBLIC FROM INJURY DURING CONSTRUCTION. THE OWNER SHALL BE RESPONSIBLE FOR THE PREVENTION OF PERSONAL INJURY TO ANYONE ON OR NEAR THE DISPOSAL SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL TANKS HAVE ADEQUATE STRENGTH AND INTEGRITY TO PERFORM SATISFACTORILY AS SHOWN ON THESE PLANS.
- THE WASTEWATER FLOW TO THE SEPTIC SYSTEM SHALL NOT EXCEED THE DESIGN FLOW SHOWN ON THIS PLAN.



- ADD'L. NOTES:**
- DESIGN DAILY WASTEWATER FLOW = 300 GPD (NO WATER SAVING DEVICES WERE ASSUMED FOR SEPTIC SYSTEM DESIGN).
 - TOPOGRAPHIC DATA SOURCE: FEMA 2011 DATA;
 - NOTE: NO EASEMENTS WERE SHOWN ON THE SURVEY PROVIDED TO HAAG BY THE CLIENT REPRESENTATIVE OR THE PLAT. THIS DESIGN ASSUMES THAT NO EASEMENTS ARE LOCATED ON THIS PROPERTY.

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1" = 20'

J. J. Haag, P.E.
06/04/19

NOTE: OSSF IS NOT WITHIN FEMA 100 YEAR FLOODPLAIN OR EDWARDS AQUIFER RECHARGE ZONE.
SITE EVALUATION BY JOHN J. HAAG, P.E. ON 06/03/19

DRAWN BY: JJH
CHECKED BY: JJH
DATE: 06/04/19
JOB NO. DAILY19001

HAAG ENGINEERING CONSULTANTS

15831 SECRET TRAILS
SAN ANTONIO, TEXAS 78247
FIRM: F-5789
TEL: (210) 705-4268
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**OSSF LAYOUT
LOT 14, PECAN STREET
CANYON CORNER SUBD. 2
CANYON LAKE, TEXAS**

SHEET 1 OF 1

Conventional Residential
CONVENTIONAL ON-SITE SANITARY SEWER FACILITY
 by Felix I. Bernal, P.E. (c) 2002 - 2012

REVISED
 2:14 pm, Jun 13, 2019

SITE EVALUATION PERFORMED ON: 3-Jun-19 by John J. Haag, P.E.
 APPLICANT: Donnie Daily
 MAILING ADDRESS: 102 2nd Street
 CITY, ST, ZIP: Center Point, Tx. 78010
 TELEPHONE: 830-708-1484
 SITE ADDRESS: 721 Pecan Street, Canyon Lake, Tx. 78133
 LEGAL DESCRIPTION: Lot 14, Canyon Corner
 WATER SOURCE: Public



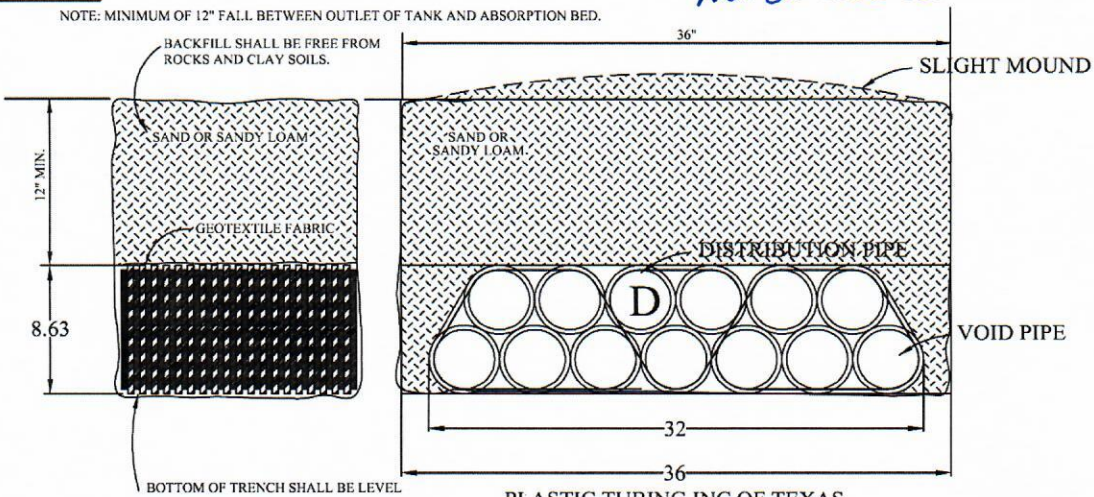
WATER SAVING DEVICES?	N	1.0	
TYPE	3	SOIL	3 BEDROOMS OR SQUARE FOOTAGE
CALCULATED USAGE FLOW =	300		1754
APPLICATION RATE =		0.2 GALLONS PER SQ. FT. PER DAY	
APPLY A USAGE FLOW =		300 GALLONS PER DAY BASED ON	BEDROOMS
SEPTIC TANK VOLUME =		1000 GALLONS TWO COMPARTMENT TANK	
WITHOUT WATER SAVING DEVICES		1000 GALLONS TWO COMPARTMENT TANK	
	Use	1500 GALLONS TWO COMPARTMENT TANK	
AREA REQUIRED =		1500 SQ. FT. OF ABSORPTION AREA	
WITHOUT WATER SAVING DEVICES		1500 SQ. FT. OF ABSORPTION AREA	
TRENCH WIDTH		3 FT	

Under normal circumstances using gravel in the trenches

LINEAR FEET OF LATERALS	300 FT.	=	1500 SQ. FT. OF ABSORPTION AREA
			Using Multi-Pipe because of allowed reduction due to approved formula
LINEAR FEET OF LATERALS	180 FT.	=	900 SQ. FT. OF ABSORPTION AREA
USING ROCKLESS MULTI-PIPE	Use	180 FT.	= 900 SQ. FT. OF ABSORPTION AREA
			Using Chambers because of allowed reduction due to approved formula
LINEAR FEET OF LATERALS	180 FT.	=	900 SQ. FT. OF ABSORPTION AREA
	Use	180	= 900 SQ. FT. OF ABSORPTION AREA

*NOTE: USE LEACHING CHAMBERS
 ADH*

TRENCH



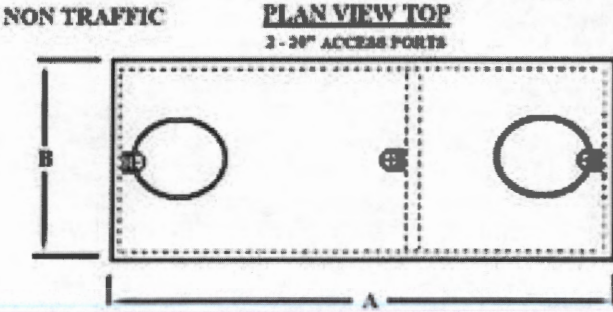
PLASTIC TUBING INC OF TEXAS
 MULTI PIPE SYSTEM (MPS-13)



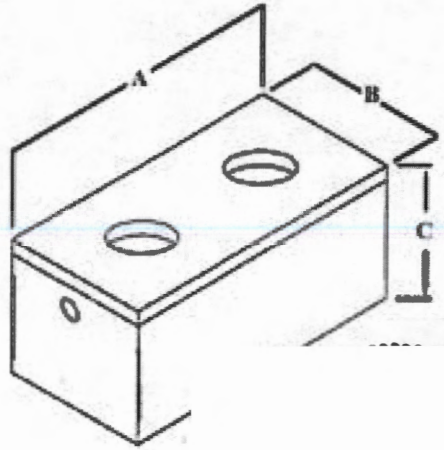
18121 Cochran Road
Hempstead, Texas 77445
Office: 979-921-9939
Toll Free: 888-PTI-PIPE
Fax: 979-921-9940

Comal Concrete Products, Inc.
4222 FM 482 NEW BRAUNFELS, TX 78132
EMAIL: comalconcrete@comalconcrete.com
830-608-1699 SA Metro: 830-606-4732 Fax: 830-608-1396

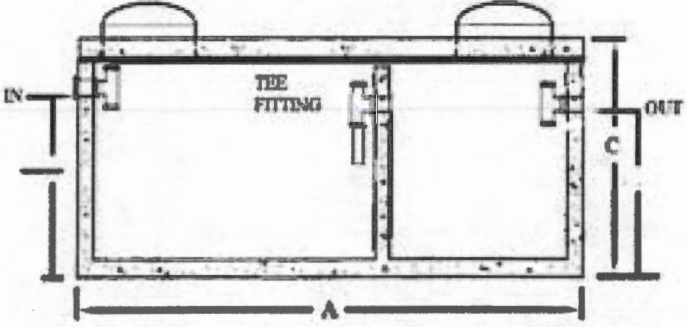
**500 GALLON TO
 2000 GALLON
 SEPTIC TANKS**



NOTE: DRAWING NOT TO SCALE



SECTION-ELEVATION



SEPTIC TANK

DESIGN CONFORMS TO: ASTM C 1227
CONCRETE:
 4500 PSI CONFORMING TO ASTM C 150
STEEL REINFORCEMENT:
 GRADE 60 CONFORMING TO ASTM A 615
BEDDING SPECIFICATION:
 6" TO 8" DEPTH OF PEA GRAVEL BED
 RECOMMENDED BY MANUFACTURER

COUNTY ENGINEER
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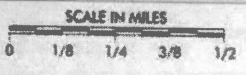
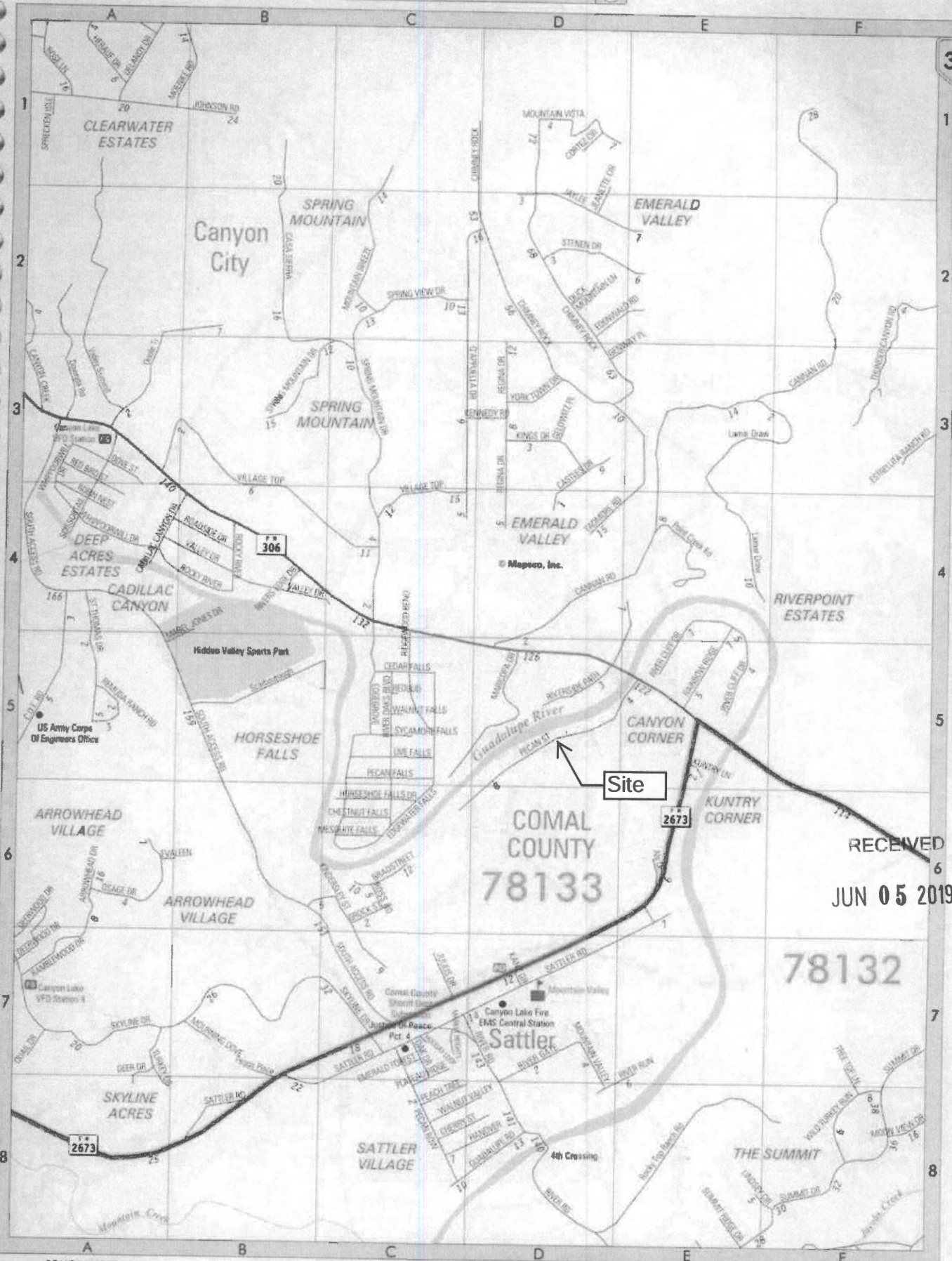
GALLON	CAP	DIM. A	DIM. B	DIM. C	FLOW -IN	FLOW -OUT	COMPARTMENTS
500		68	68	54	45	42	SINGLE
750		100	65	52	43	40	DOUBLE
1000		103	79	52	43	40	DOUBLE
1250		129	80	52	43	40	DOUBLE
1500		151	83	50	40	37	DOUBLE
2000		176	74	60	50	47	DOUBLE

REVISED 8/2010 K.B.
 APPROVED _____



CONTINUED ON MAP 358

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6
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Ritzen, Brenda

From: Ritzen, Brenda
Sent: Thursday, June 13, 2019 8:41 AM
To: 'drd721@gmail.com'
Cc: 'jhaag@satx.rr.com'
Subject: Permit 109247

Re: Donnie Russell Daily & Stefanie Lynn Daily
Canyon Corner Unit 2 lot 14
Application for Permit for Authorization to Construct an On-Site Sewage Facility

Dear property owner & agent,

The following information is needed before I can continue processing the referenced permit submittal:

- ✓ 1. Clarify within the planning materials that leaching chambers is the chosen disposal method.
- ✗ 2. Minimum requirements for 300 gpd using leaching chambers is 225 l.f. of trench / 1125 sq. ft. absorption area. (180 l.f./900 sq. ft. is correct)
3. Revise as needed and resubmit.

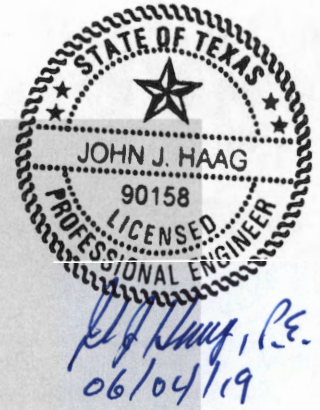
Thank you,

Brenda Ritzen, OS0007722
Environmental Health Coordinator
Comal County Engineers Office
195 David Jonas Drive
New Braunfels, Texas 78132
830-608-2090
www.cceo.org

CONVENTIONAL ON-SITE SANITARY SEWER FACILITY

by Felix I. B...

VOID



SITE EVALUATION PERFORMED ON: 3-Jun-19 by John J. Haag, P.E.
APPLICANT: Donnie Daily
MAILING ADDRESS: 102 2nd Street
CITY, ST, ZIP: Center Point, Tx. 78010
TELEPHONE: 830-708-1484
SITE ADDRESS: 721 Pecan Street, Canyon Lake, Tx. 78133
LEGAL DESCRIPTION: Lot 14, Canyon Corner
WATER SOURCE: Public

WATER SAVING DEVICES? N 1.0
TYPE 3 SOIL 3 BEDROOMS OR SQUARE FOOTAGE 1754
CALCULATED USAGE FLOW = 300 300
APPLICATION RATE = 0.2 GALLONS PER SQ. FT. PER DAY
APPLY A USAGE FLOW = 300 GALLONS PER DAY BASED ON
SEPTIC TANK VOLUME = 1000 GALLONS TWO COMPARTMENT TANK
WITHOUT WATER SAVING DEVICES 1000 GALLONS TWO COMPARTMENT TANK
Use 1000 GALLONS TWO COMPARTMENT TANK
AREA REQUIRED = 1500 SQ. FT. OF ABSORPTION AREA
WITHOUT WATER SAVING DEVICES 1500 SQ. FT. OF ABSORPTION AREA
TRENCH WIDTH 3 FT

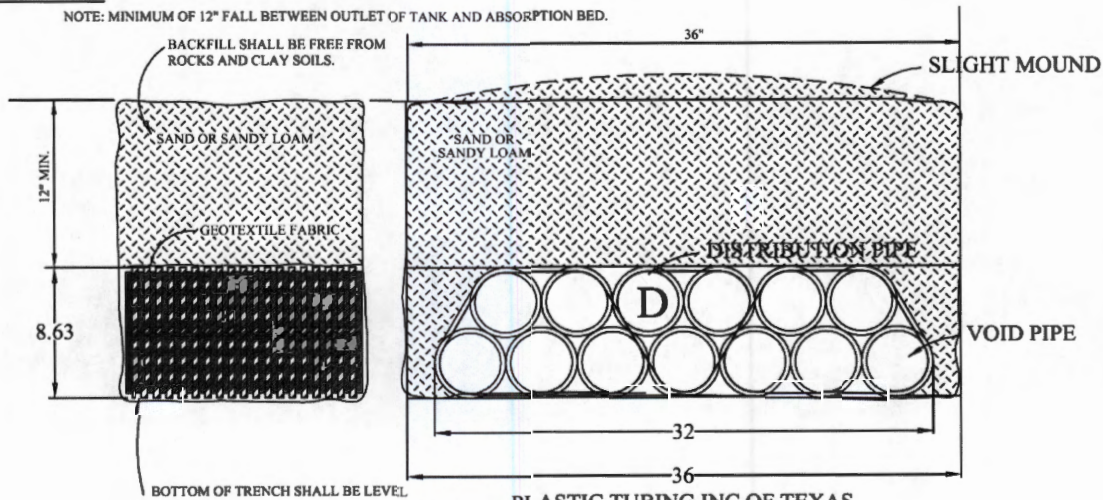
BEDROOMS RECEIVED JUN 05 2019 COUNTY ENGINEER

Under normal circumstances using gravel in the trenches

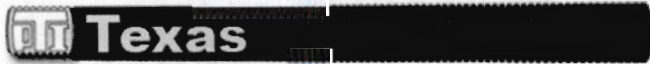
LINEAR FEET OF LATERALS 1500 SQ. FT. OF ABSORPTION AREA
Using Multi-Pipe because of allowed reduction due to approved formula
LINEAR FEET OF LATERALS 900 SQ. FT. OF ABSORPTION AREA
USING ROCKLESS MULTI-PIPE Use 180 FT. = 900 SQ. FT. OF ABSORPTION AREA
Using Chambers because of allowed reduction due to approved formula
LINEAR FEET OF LATERALS 180 FT. = 900 SQ. FT. OF ABSORPTION AREA
Use 180 = 900 SQ. FT. OF ABSORPTION AREA

VOID

TRENCH



PLASTIC TUBING INC OF TEXAS MULTI PIPE SYSTEM (MPS-13)



18121 Cochran Road
Hempstead, Texas 77445
Office: 979-921-9939
Toll Free: 888-PTI-PIPE
Fax: 979-921-9940

GENERAL WARRANTY DEED WITH VENDOR'S LIEN IN FAVOR OF THIRD PARTY

THE STATE OF TEXAS
COUNTY OF COMAL

KNOW ALL MEN BY THESE PRESENTS: DOC# 9506475424

THAT LILLIAN ROSE PARKER, APPOINTED TEMPORARY ADMINISTRATOR OF THE ESTATE OF MARTHA BUCHANAN HOBBS, DECEASED

(hereinafter called "GRANTORS" whether one or more), for and in consideration of the sum of TEN DOLLARS (\$10.00) and other good and valuable considerations cash in hand paid by **DONNIE RUSSELL DAILY** and **STEFANIE LYNN DAILY**, HUSBAND AND WIFE

2/1

whose address is 721 PECAN ST
CANYON LAKE, TX 78133

(hereinafter called "GRANTEES" whether one or more), the receipt and sufficiency of which are hereby acknowledged and confessed, and the further consideration of the note in the principal sum of Fifty Eight Thousand Nine Hundred Forty Seven ~~Eighty Seven Thousand Three Hundred Eleven and no/100ths~~ and no/100ths **(\$57,844.00)** payable to the order of MELLON MORTGAGE COMPANY \$58,947.00

(hereinafter referred to as "BENEFICIARY") at the special instance and request of the Grantees herein, the receipt of which is hereby acknowledged and confessed, and as evidence of such advancement, the said Grantees herein have executed their note of even date herewith for said amount payable to the order of said Beneficiary, bearing interest at the rate therein provided, principal and interest being due and payable in monthly installments as therein set out, and providing for attorney's fees and acceleration of maturity at the rate and in the events therein set forth, which note is secured by the Vendor's Lien herein reserved and is additionally secured by a Deed of Trust of even date herewith, executed by the Grantees herein to PETER M. ROSS,

Trustee, reference to which is here made for all purposes; and in consideration of the payment of the sum above mentioned by the Beneficiary above mentioned, Grantors hereby transfer, set over, assign and convey unto said Beneficiary and assigns, the Vendor's Lien and Superior Title herein retained and reserved against the property and premises herein conveyed, in the same manner and to the same extent as if said note had been executed in Grantor's favor and by said Grantors assigned to the Beneficiary without recourse; have GRANTED, SOLD and CONVEYED, and by these presents do GRANT, SELL and CONVEY unto the said Grantees herein, the following described property, together with all improvements thereon, to-wit:

ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING SITUATED IN COMAL COUNTY, TEXAS, BEING KNOWN AND DESIGNATED AS **LOT 14, CANYON CORNER SUBDIVISION, SECTION TWO**, ACCORDING TO MAP OR PLAT RECORDED IN VOLUME 2, PAGE 50, COMAL COUNTY, TEXAS MAP AND PLAT RECORDS.

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JUN 05 2019

TO HAVE AND TO HOLD the above described premises, together with, all and singular, the rights and appurtenances thereto in any wise belonging, unto the said Grantees, their heirs and assigns forever. And Grantors do hereby bind themselves, their heirs, executors and administrators, to warrant and forever defend all and singular, the said premises unto the said Grantees, their heirs and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof. Taxes for the current year have been prorated and are assumed by Grantee. This conveyance is made and accepted subject to any and all validly existing restrictions, mineral reservations and interests, conditions, covenants, easements, and rights of way, if any, applicable to and enforceable against the above described property as now reflected by the records of the County Clerk in said County and State and to any applicable zoning laws or ordinances.

COUNTY ENGINEER

But it is expressly agreed and stipulated that the Vendor's Lien and the Superior Title are retained and reserved in favor of the payee in said note against the above described property, premises and improvements, until said note, and all interest thereon is fully paid according to the face and tenor, effect and reading thereof, when this deed shall become absolute.

When this deed is executed by one person, or when the Grantee is one person, the instrument shall read as though pertinent verbs and pronouns were changed to correspond, and when executed by or to a corporation the words "heirs, executors and administrators" or "heirs and assigns" shall be construed to mean "Successors and assigns".

Executed on this the 21st day of September, 1995

Lillian Rose Parker
LILLIAN ROSE PARKER, APPOINTED TEMPORARY ADMINISTRATOR
OF THE ESTATE OF MARTHA BUCHANAN HOBBS, DECEASED

THE STATE OF TEXAS
COUNTY OF DALLAS

This instrument was acknowledged before me on Sept 22 - 1995 by Lillian Parker

Stephanie Heinrich
Notary Public, State of Texas.

RETURN TO:
DONNIE RUSSELL DAILY
721 PECAN ST
CANYON LAKE, TX 78133

I am certifying only to the signature of the person who signed this document.



LDoc.325.0393

NBTC CL GF# 42870

DOC# 9506475424

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Doc# 9506475424
Pages: 2
Date : 09-26-1995
Time : 04:20:50 P.M.
Filed & Recorded in
Official Records
of COMAL County, TX.
JOY STREATER
COUNTY CLERK
Rec. \$ 11.00

DOC# 9506475424