



Blue Water Works LLC

936-646-5115

212 Lakeshore South
Onalaska, Texas 77360

On Site Sewage Facilities

Planning Documents

Site evaluation and Septic Design

Owner:

Juan Salcedo

Physical Property Address:

Peach Point Lane
Trinity, Texas

Trinity Paul Hendrix TCEQ Designated Representative

GPS Location:

Latitude 30.881816 Degrees North and Longitude 95.360810 Degrees West
Block 2 Lot(s) 27 of Trinity Plantation

Recommended On-Site Sewage Facility Drip Irrigation - Secondary
Treatment/Filter

Total system is designed for a capacity of 240 Gallons Per Day.

Site Inspection Date 10/10/2023

Job Number - S101023_1_Salcedo_

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Owner Interview

Site status at the time of the evaluation.

- No - Will there be more than one piece of property used?
- Yes - Was the property plated before 1988?
- No - Are there abandoned or active private water wells on your property?
- No - Are there public wells on neighboring properties? (150ft)
- No - Do you have any cisterns or underground tanks on your property
- Yes - Is property serviced by a public water supply?
- Yes - If yes can you locate meter?
- No - Is there an existing on site sewage system?
- No - Is there underground drainage on the property?
- No - Is there underground water supply lines?
- No - Is there underground gas supply lines?
- No - Is there underground electrical lines?
- No - Is there a sprinkler system installed on any part of the property?
- No - Do overhead easements exist for the property.
- No - Do underground easements exist for the property.
- Yes - Do you understand that new disposal areas will limit future land use of those areas?
- Yes - Does your home use water saving devices?
- No - Does any part of the properties exhibit poor or slow drainage?

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OSSF Soil/Site Evaluation Form

10/10/2023

Bore Number 1

From Surface to 48 inches Dominate Soil Class is IV
Description: Clay

No signs of a water table were noticed in this bore.

Bore Number 2

From Surface to 48 inches Dominate Soil Class is IV
Description: Clay

No signs of a water table were noticed in this bore.

Design

Waste Volume - Facility Type

The type of facility as listed in Chapter 285.91 Table III is Single Family Dwelling (three bedrooms) - less than 2500 ft². The base usage rate with water saving devices in use is 240 gallons per day.

Single Family Dwelling (three bedrooms) - less than 2500 ft² = 240
Q - Total Application Design Flow 240

Application Criteria (Chapter 285.91 Table V)

Slope of the site in the application area is %.
Restrictive horizons were not encountered in the borings made in the proposed application area.
No signs of a seasonal high water table were noted during the soil borings.
No free water was noted during the soil borings.
The site is not in the 100 year floodplain and is not in a floodway.
Site acreage is in compliance with requirements of Chapter 285.

Site Data

Public water supply is available to the property but is not being supplied to the site.

Public water lines do not cross the site

The property does not have water borders. (Streams, Ponds, Lakes, or Creeks)

The property does not have steep slopes that could be the source of seeps.

Soil Type

Controlling soil type is Soil Class IV

OSSF

Recommended On-Site Sewage Facility Treatment/Filter Drip Irrigation - Secondary

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Zone	# Rows	(feet) Length	Drip Emitters per row	Zone GPM	Raw Area Ft2	Overlap Ft2	Effective Area Ft2
1	13	66	33.	4.3	1716.0	147.0	1569.0
2	10	46	23.	2.3	920.0	77.3	842.7
					Total Application Area = 2411.6		

Total installed linear feet of tubing required is 1318 feet.
 Pressure supply line - Size PVC.

Line flow losses
 Pipe length is 0ft +10% for fittings is ft.

Hydraulic Lift
 Lift required from pump off to distribution manifold is 0 ft.

Emitter Operating Pressure =8.0 psig or 18.5 ft of head

Pump -
 Total pump head required = line loss of .0 ft + lift of 0 ft + emitter pressure of 18.5 ft
 Total pump head required =19 ft

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Owner Notes:

Reasonable efforts have been made to assure that this septic design is within your property boundaries. We do not represent ourselves as professional surveyors and can only provide approximate locations of property corners with meets and bounds information. We do not assume any responsibility for misunderstandings or errors. Please review the drawing and notify the designer if you even suspect that any part of this septic design is located on property not owned by you.

It is recommended that you keep this design along with all equipment information with other important papers. Photos of the installation can prove valuable in later years should maintenance be required.

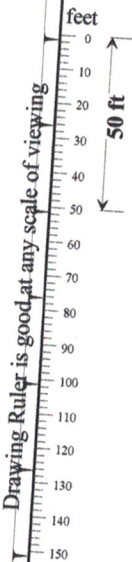
Installer Notes:

Plastic tanks if installed must be protected from flotation. Buoyancy calculations and installation instructions should be obtained from manufacture and supplied to inspector and designer.

This system must be installed and maintained in accordance with all standards set by the Texas Commission on Environmental Quality and Local officials. This consultant / designer does not represent or warrant the material, installation, operation or proper performance of this system for any period of time. Every attempt has been made to accurately depict the location of lines, plants, tanks, sprinklers, etc. Construction realities may necessitate minor design changes. Any major changes will be submitted before construction.

All Construction methods must be in accordance with all State and Local Codes effecting the installation of On-Site Sewage Facilities

Sleeve water line or sewer line
any place where they are closer
than 10 feet.
Tanks may be moved within
reason to expedite installation
and minimize damage to hardscapes.
Set exact trenches locations
to minimize damage
to mature trees



Drawing Ruler is good at any scale of viewing

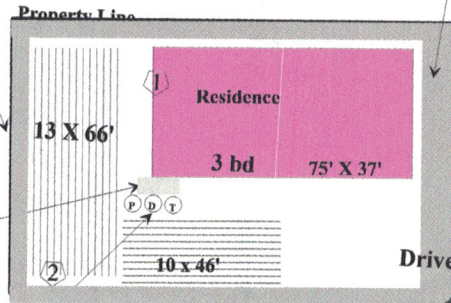
50

5 ft Property Line Setback

10 ft Property Line Setback

5 ft Building setback

New 500 gal/Day
aerobic system



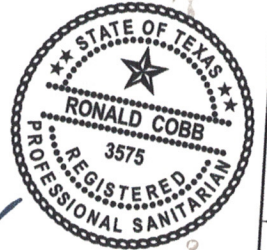
Peach Point Lane

Proposed

★ Subsurface survey pins located
and flagged
Selected Setbacks Shown in Gray

Icon Key: Not to Scale

	Gate Valve		Clean Out
	Inspection Port		Water Meter
	P - Pump Tank		Boring
	D - Digestion Tank		Elevations
	T - Trash Tank		Tr - Tree



Ronald Cobb

Blue Water Works L. L. C.
Ronald F. Cobb R. S. # 3575 L. I. #6066

Job Number: **S101023_Salcedo** County: **Trinity**

Location: **Peach Point Lane**

Subdivision: **Trinity Plantation**

GPS North **30.881816** West **95.360810**