



INFORMATION ABOUT ON-SITE SEWER FACILITY

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CONCERNING THE PROPERTY AT

10125 CR 4101
Frankston, TX 75763

A. DESCRIPTION OF ON-SITE SEWER FACILITY ON PROPERTY:

- (1) Type of Treatment System: Septic Tank Aerobic Treatment Unknown
- (2) Type of Distribution System: Aerobic field Unknown
- (3) Approximate Location of Drain Field or Distribution System: west side of house Unknown
- (4) Installer: All Star Septic Service; Installer - Jerry Cooper Unknown
- (5) Approximate Age: 3 yrs Unknown

B. MAINTENANCE INFORMATION:

- (1) Is Seller aware of any maintenance contract in effect for the on-site sewer facility? Yes No
If yes, name of maintenance contractor: Scott McKeethan
Phone: 903 363-5420 contract expiration date: ANNUAL
Maintenance contracts must be in effect to operate aerobic treatment and certain non-standard on-site sewer facilities.)
- (2) Approximate date any tanks were last pumped? N/A
- (3) Is Seller aware of any defect or malfunction in the on-site sewer facility? Yes No
If yes, explain: _____
- (4) Does Seller have manufacturer or warranty information available for review? Yes No

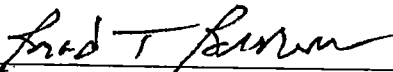
C. PLANNING MATERIALS, PERMITS, AND CONTRACTS:

- (1) The following items concerning the on-site sewer facility are attached:
 planning materials permit for original installation final inspection when OSSF was installed
 maintenance contract manufacturer information warranty information _____
Manufacturer - ~~FRANKS~~ material - concrete box; Permit: Upper Neches River
FRANKS; Author
- (2) "Planning materials" are the supporting materials that describe the on-site sewer facility that are submitted to the permitting authority in order to obtain a permit to install the on-site sewer facility.
- (3) It may be necessary for a buyer to have the permit to operate an on-site sewer facility transferred to the buyer.

D. INFORMATION FROM GOVERNMENTAL AGENCIES: Pamphlets describing on-site sewer facilities are available from the Texas Agricultural Extension Service. Information in the following table was obtained from Texas Commission on Environmental Quality (TCEQ) on 10/24/2002. The table estimates daily wastewater usage rates. Actual water usage data or other methods for calculating may be used if accurate and acceptable to TCEQ.

<u>Facility</u>	<u>Usage (gal/day) without water-saving devices</u>	<u>Usage (gal/day) with water-saving devices</u>
Single family dwelling (1-2 bedrooms; less than 1,500 sf)	225	180
Single family dwelling (3 bedrooms; less than 2,500 sf)	300	240
Single family dwelling (4 bedrooms; less than 3,500 sf)	375	300
Single family dwelling (5 bedrooms; less than 4,500 sf)	450	360
Single family dwelling (6 bedrooms; less than 5,500 sf)	525	420
Mobile home, condo, or townhouse (1-2 bedroom)	225	180
Mobile home, condo, or townhouse (each add'l bedroom)	75	60

This document is not a substitute for any inspections or warranties. This document was completed to the best of Seller's knowledge and belief on the date signed. Seller and real estate agents are not experts about on-site sewer facilities. Buyer is encouraged to have the on-site sewer facility inspected by an inspector of Buyer's choice.



Signature of Seller
Brad T. Burns _____ Date

Signature of Seller
Betsy Burns _____ Date

Receipt acknowledged by:

Signature of Buyer _____ Date

Signature of Buyer _____ Date

UPPER NECHES RIVER MUNICIPAL WATER AUTHORITY
P.O. Box 1965
Palestine, TX 75802

July 8, 2021

Phone: (903) 876-2237

Fax: (903) 876-5200

Brad Burns
7140 Nottaway Dr
Tyler, TX 75703

Henderson
Precinct/Zone:

Site: 10125 CR 4117 Frankston, TX 75763
Permit #: 21-32

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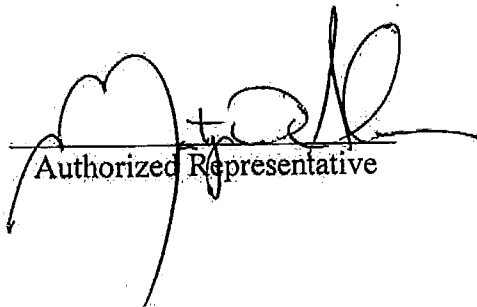
Service Provider: All Star Septic Service

Notice of Approval of an On-site Sewage Facility

The above site meets or exceeds the basic requirements established by the Agency.

LICENSE TO OPERATE this facility is hereby granted to the owner. This license simply grants permission to operate this facility; it does not guarantee its successful operation. Routine maintenance and proper functioning are the sole responsibility of the owner. KEEP THIS LICENSE with important papers. You may need it when selling your house or if a malfunction occurs.

THIS LICENSE REMAINS in effect until such time as there is evidence that this facility is not operating properly and may constitute a threat to the health of the people of this Agency.


Authorized Representative

07/08/2021
Date

UPPER NECHES RIVER MUNICIPAL WATER AUTHORITY

ON-SITE SEWAGE FACILITY
FINAL INSPECTION REPORT

Permit Number 21-32

Property Owner Brad Burns Subdivision Lakeside Perry
 Site Address 10125 CR 4117 Lot 10 Block --
Frankston TX 75763 County Henderson

Site Evaluator Chris Pledger
 Designer Chris Pledger
 Installer Jerry Cooper

	Y	N	COMMENTS
I. LOT SIZE, SETBACKS, SOILS			
Lot Size Adequate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Setbacks Meet Minimum Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site/Soil Conditions Consistent with Plan Submitted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Adequate Landscape Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
II. SEWER			
Proper Type Pipe from Structure to Disposal System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Slope of Sewer no less than 1/8-inch fall per foot	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cleanouts Properly Installed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

III. TREATMENT UNIT

UNIT 1

Tank Size Required 360 gal Tank Size Installed 360 gal
 Tank Material (type) concrete Tank Manufacturer Cajun Air

UNIT 2

Tank Size Required 500 gpd Tank Size Installed 500 gpd
 Tank Manufacturer Cajun Air Model#/Serial # CA500 9/18750

Pump Tank (if used)

Tank Size Required 500 gal Tank Size Installed 500 gal
 Tank Material (type) concrete Tank Manufacturer Cajun Air

	Y	N	COMMENTS
High Water Alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Approved Chlorine Dispenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Irrigation Timers Employed	<input type="checkbox"/>	<input type="checkbox"/>	
Flow Meter	<input type="checkbox"/>	<input type="checkbox"/>	
Lids Secure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

VI. DISPOSAL

Type of Disposal Area Used Spray Manufacturer Kraus
 Amount Required 5853 sq ft Amount Installed 6038 sq ft
 Excavation Width _____ Excavation Depth _____

GENERAL REMARKS New Construction

Inspected By: Dr. Matt 7/7/21 Date Approved By: [Signature] 07/08/2021 Date

UNRMWA	
Permit Number	<u>21-32</u>
Date	<u>4-30-21</u>
Amount Paid	<u>150.00</u>

UPPER NECHES RIVER MUNICIPAL WATER AUTHORITY
APPLICATION FOR ON-SITE SEWAGE FACILITY
LAKE PALESTINE

I hereby make application for a license to construct & operate an On-Site Sewage Facility within 500-foot Water Quality Zone as designated by Order of the Texas Commission on Environmental Quality

- Property Owner's Name: RURNS (Last) BRAD (First) (Middle)
- Current Mailing Address: 10125 HENDERSON COUNTY ROAD #117 FRANKSTON, TX 75763
- Home Telephone No.: () UNKN 214-850-8841 Work Telephone No.: () UNKN
- Site Address: 10125 HENDERSON COUNTY ROAD #117 FRANKSTON, TX 75763
- Legal Description: Sec. NA Block TRACT: 10 E&T VOLUMIN: 1060 Plat Date _____
 Subdivision: LAKE SIDE Survey/Abstract No.: MATHEW GOLHER A 9
 Other than Subdivision: Acreage: 6.6 Survey/Abstract No.: NA
- Source of Water: Private Well Public Water Supply BERRYVILLE WATER (Name of Supplier)
- Single Family Residence: No. of Bedrooms 3 No. of Bathrooms 2 1/2 Living Area (sq/ft) TWO STORY: 2,500
- Non-Residential Type: NA No. of Employees/Occupants/Units: 1 Days occupied per/wk 7
- System designed for 240 gallons per/day Water Saving Devices? Yes No
- On-Site System: Conventional () Aerobic Aerobic Drip ()
- Site Evaluator: CHRIS PLEDGER License No.: 050009944
 Phone No.: (903) 570-5719
- Designer: CHRIS PLEDGER License No. (PE or RS) 74
 Phone No.: (903) 952-6131
- Installer: JERRY COOPER License No. 050001445
 Phone No.: (903) 729-3206

Complete and return this application with fee (\$150 residential, \$300 Non-Residential) and appropriate documentation (see reverse) to:
 Upper Neches River Municipal Water Authority
 P. O. Box 1965
 Palestine, TX 75802

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL. UNAUTHORIZED CONSTRUCTION MAY RESULT IN CIVIL AND/OR ADMINISTRATIVE PENALTIES.

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Upper Neches River Municipal Water Authority to enter upon the above-described property for the purpose of soil/site evaluation and investigation of on-site sewerage facility.

X Brad Rurns
 Signature of Owner

X 4/29/21
 Date

ON-SITE SEWAGE FACILITY
TECHNICAL INFORMATION FOR PERMIT

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL

All Blanks Must Be Completed (Use N/A if Not Applicable)

PROPERTY OWNER'S NAME: BRAD BURNS

Professional design required: Yes No

If yes, is professional design attached: Yes No

I. Sewer (House Drain):

Type and size of pipe: SCH 40 or SDR 26/3" PVC Slope of sewer pipe to tank: 1/8" per 1'
(1/8 inch per foot minimum)

II. Treatment/Pump Tank Unit:

Septic Tank (two compartments)

Septic Tank (series)

Aerobic Unit

Pretreatment Tank

Pump Tank

A. Pretreatment Tank Gallons/Size: 360

Manufacturer: MATHEWS CONSTRUCTION Material/Shape: CONCRETE/RECTANGULAR

B. Secondary Treatment Unit Gallons/Size: 500 CANN-AIRE

Manufacturer: MATHEWS CONSTRUCTION Model: CA-502

C. Pump Tank Gallons/Size: _____

Manufacturer: MATHEWS CONSTRUCTION Material/Shape: _____

Commercial timer required: Yes No

D. Septic Tank Gallons/Size: 500

Material/Shape: CONCRETE/RECTANGULAR

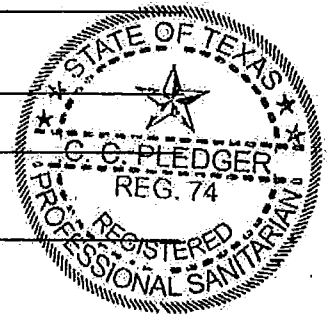
Liquid Depth (tank bottom to outlet): NA Manufacturer: NA

If Series Tanks:

Septic Tank(2) Size: NA Material/Shape: NA

Liquid Depth (tank bottom to outlet): NA Manufacturer: NA

E. OTHER (List): NONE



III. DISPOSAL SYSTEM:

Type: SURFACE IRRIGATION Manufacturer: KRAIN INC

Pipe Sizes/Amounts: 3" SCH 40/SDR 26 = 20' 1/2" TO 3/4" PURPLE PRESSURE LINE = 142'

Area required: 5.853.66 SF Area proposed: 6.038.15 SF (OVER 184.99 SF)

Chris Pledger
DESIGNER'S SIGNATURE

TS 94 - 05 000 9944
REGISTRATION NO.

01-20-2021
DATE

NOTE: This form is provided as a supplemental form and is not needed if all the information above is listed in the planning materials.

PA6/2-2004-Revised-Final

OSSF SITE EVALUATION

Property Owner's Name BEAD RUMS

Site 911 Street Address 1012 HCR 4101 HENDERSON COUNTY, TX 75763
 (Example, 03975 C R 4319) County Road or Farm Market or State Highway or Street Address

1. **SOIL ANALYSIS:** Are the two soil borings marked on your attached site plan? _____
- A. What is the **TEXTURE** of the soil at the following depths:
 Hole 1. 1' III, 2' III, 3' IV, 4' IV, 5' IV ABSORPTION FACTOR 0.208
 Hole 2. 1' III, 2' III, 3' IV, 4' IV, 5' IV
- 1b is Sand or Loamy Sand. 2 is Sandy Loam or Loam. 3 is Sandy Clay or Clay Loam or Silt or Silt Loam or Silty Clay Loam or Sandy Clay Loam. 4 is Clay or Silty Clay
- B. Does your class 2 or 3 soils contain significant particles of Gravel? NO
 If yes, then you must provide a **SIEVE ANALYSIS** of the gravel volume and size.
- C. Does a **RESTRICTIVE HORIZON** exist within five feet of the soil surface? YES
 If yes, then at what depth? 3'

2. **GROUND WATER:** Was there evidence of it found in the borings? NO at what depth? NA

3. **SURFACE DRAINAGE:**
- A. **Topography:** What is the percent slope across the proposed OSSF site? _____ percent
 Does the site have poor drainage such as depressions? NO
 Is the site crossed by gullies and ravines? NO
 If yes to either, then provide a detailed solution to the problem.
- B. **Flood Hazard:** Is the OSSF area located in a 100 year flood plain? NO
 If yes, then call a Professional Engineer for assistance.

4. **SEPARATION REQUIREMENTS**

Prepare a site plan, drawn to scale, that shows all the following that apply to this location and that are located within 100 feet of a proposed OSSF site.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Property lines | <input type="checkbox"/> Water Meter |
| <input checked="" type="checkbox"/> Buildings | <input type="checkbox"/> Water Service Line |
| <input type="checkbox"/> Driveway | <input type="checkbox"/> Public Water Well (within 150 feet?) |
| <input type="checkbox"/> Sidewalk | <input type="checkbox"/> Private Water Well |
| <input type="checkbox"/> Creek or Stream | <input type="checkbox"/> Public Water Lines |
| <input type="checkbox"/> Pond or Lake | <input checked="" type="checkbox"/> Other OSSF's |
| <input type="checkbox"/> Swimming Pool | <input type="checkbox"/> Ditches, Gullies |
| <input checked="" type="checkbox"/> Soil Boring Locations | <input type="checkbox"/> Any other existing or proposed surface impoundment |

5. Based upon your complete on-site evaluation of this site, check each of the following types of wastewater disposal systems that you consider appropriate for this site:

- | | |
|--|--|
| <input type="checkbox"/> Conventional (rock) | <input checked="" type="checkbox"/> Aerobic Spray disposal |
| <input type="checkbox"/> Conventional (tire chips) | <input type="checkbox"/> Aerobic Drip disposal |
| <input type="checkbox"/> Leaching Chambers | <input type="checkbox"/> Evapotranspiration Bed |
| <input type="checkbox"/> EX-Flow | <input type="checkbox"/> Low Pressure Dosing |
| <input type="checkbox"/> Gravel-less Pipe | <input type="checkbox"/> Absorptive Mound |



SITE EVALUATOR CHRIS PLEDGER
 (Name - please print)

Registration Number R.574/050009944

SIGNATURE Chris Pledger

DATE 01-20-2021

Site Location: 10125 HCR 4101 FRANKSTON, TX

Subsurface Disposal Surface Disposal

Schematic of Lot or Tract

Show:

Compass North, adjacent streets, property lines, property dimensions, location of buildings, easements, swimming pools, water lines, and any other structures where known.

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

Indicate slope or provide contour lines from the structure to the farthest location of the proposed disposal field.

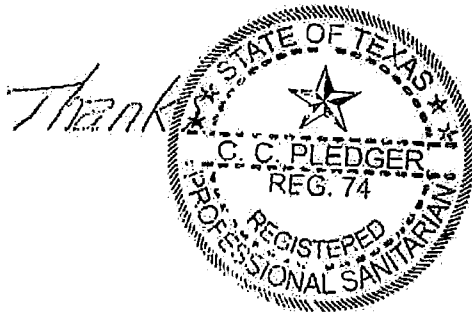
Location of soil boring or excavation pits (show location with respect to a known reference point).

Location of natural, constructed, or proposed drainage ways (ditches, streams, ponds, lakes, rivers, etc.), water impoundment areas, cut or fill bank, sharp slopes and breaks.

Lot Size: NA or Acreage: 6.6

SITE DRAWING

PLEASE SEE THE DESIGN SHEETS



PROPOSED TREATMENT: (continued)

- No 2 360 gallon **Pretreatment Chamber** of the Aerobic Treatment Plant.
- No 3 500 gpd Class I, **State Approved Aerobic Treatment Plant** with internal pretreatment, aeration and clarification chambers.
- No 4 One 4" tubular or liquid chlorinator set in the **Pump Chamber**.
- No 5 500 gallon **Pump Chamber** with alarms on a separate circuit.

SURFACE APPLICATION:

Surface Application requirements for this system are based on an estimated 240-gallon daily usage rate divided by an application rate of 0.045 gallons/square foot/day; subsequently, minimum requirements are 5,853.36 square feet. This **Surface Application System** is composed of two 31" full circle, low angles sprinkler heads in the northwest front yard. Each head will irrigate 3,019.08 square feet for a total of 6,038.16 square feet. This exceeds the minimum requirement of 5,853.36 square feet by 184.80 square feet.

SPRINKLER HEADS:

Low angle type (13 degree) non-aerosol with a maximum inlet pressure of 40 psi. Limited to impact or gear driven.

PRETREATMENT TANK:

Most Aerobic Treatment Plants require 250/500 gallon pretreatment tanks following the clean-out. Many Aerobic Plants have internal pretreatment units, while many others depend on external pretreatment. At any rate, they must be structurally sound and meet all requirements with regard to lids, structure, internal plumbing, etc.

AEROBIC TREATMENT PLANTS:

All **Aerobic Treatment Plants** must be identified in the **List of Approved Systems** of the **Texas Natural Resources and Conservation Commission** and meet all Class I effluent quality standards and be installed pursuant to manufacturer's specifications.

CHLORINATOR:

The effluent must contain a one part per million (1 ppm) chlorine residual at the sprinkler heads. Chlorine tablets must be in the chlorinator for the closing inspection, and should be replaced as needed.

PUMP CHAMBER:

The requirements for the **Pump Chamber** is similar to those of the pretreatment chamber in that it also requires 300/500 gallons minimum capacity, depending on total usage. As a general rule, the size of the **Pump Chamber** should equal the treatment capacity of the aerobic treatment unit. The **Pump Chamber** must have both audio and visual high water alarms on separate circuits. Storage above the alarm(s) must equal 1/3 the daily flow, regardless of flow or facility type. Electrical wiring and connections must be done in accordance with the National Electric Code. A ball valve must be installed in the pump chamber for effluent sampling purposes.

SETBACKS AND BUFFER ZONES:

All setbacks and buffer zones requirements have been complied with. No variances required.

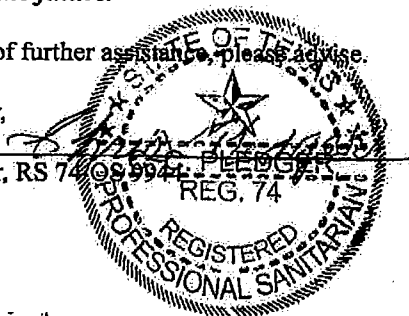
DISCLAIMER STATEMENT:

This proposal indicate only that a system can be installed here which meets the estimated flow rates established by these State Rules. The proper performance of this system cannot be guaranteed even when provisions of the Rules have been met. A properly designed system can malfunction if the property owner abuses and neglects it or does not operate the system within the limits of flow capacity it has been designed for. Also, careless practices, unprofessional work or poor maintenance service on the part of the Installer or service provider can cause a system malfunction and failure. Regardless of the system's performance, in no way is the designer responsible or liable should this system malfunction at any time in the future.

If I may be of further assistance, please advise.

Respectfully,

C.C. Pledger, RS 74



C.C. PLEDGER, R.S. 74
1184 Van Zandt County Road 4909
Ben Wheeler, Texas 75754
Phone (903) 852-6131

January 20, 2021

OWNER: Brad Burns
10125 County Road 4101
Frankston, Texas 75763

SITE IDENTIFICATION:

Tract: 10, Acreage: 6.6, Survey: Mathew Goliher, Abstract No.: 0009, Deed or Land Records of Henderson County, Texas: Volume: 1060, Page: 7, Date: _____, GEO: _____, This Data must be furnished at the time the Application for Permit to Construct is filed.

STRUCTURE AND SQUARE FOOTAGE:

The structure on this tract of land is a Two Story Single Family Dwelling with three bedrooms, two and a half bathroom of 2,450 square feet heated and cooled. I was not appraised as to the number of occupants. The On-Site Sewage Facility is designed pursuant to the basic requirements of the Texas Commission of Environmental Quality (TCEQ) as they relate to single-family dwellings with this number of bedrooms and overall square footage

TABLE III WASTEWATER USAGE RATE:

Single Family Dwellings with water saving devices		Single Family Dwellings without water saving devices	
One/Two bedroom	(---) to 1,500 square feet 180 gpd	One/Two bedroom	(---) to 1,500 square feet 225 gpd
Three bedroom	1,501 to 2,500 square feet 240 gpd	Three bedroom	1,501 to 2,500 square feet 300 gpd
Four bedroom	2,501 to 3,500 square feet 300 gpd	Four bedroom	2,501 to 3,500 square feet 375 gpd

WATER: Berryville Creek.

SOIL:

Two test holes were dug to a depth of five feet. The locations of the holes are shown on the design sheet. The soil is Class III clay loam from ground level to three feet, changing to Class IV clay to five feet. The absorption factor is 0.10 gallons per square foot per day.

PIPE:

Pipe from the building to the tank(s) must be Schedule 40 (or equivalent) and must have a minimum inside diameter of not less than 3".

SLOPE:

The slope of pipes from the building to the tank(s) must be at least 1/8" per foot. The stub-out must be at the highest elevation possible.

STUB OUT:

The dwelling is stubbed out at a single location southwest corner. A two-way clean-out will be set in this tight line about 3' from the dwelling. The line runs about 20' and ties into in the Pretreatment Chamber of the Aerobic Treatment Plant.

CLEANOUT:

Two-way clean-outs must be provided on all lines leaving the building. They must be placed between the stub out and the primary treatment unit(s). Clean-outs must also be placed at any 90-degree turn and every 50' of straight line.

PROPOSED TREATMENT:

The Proposed Treatment is a 500 gpd Cajun-Aire Aerobic Treatment Plant. Cajun-Aire is a Class I, State Approved Unit with internal pretreatment, aeration and clarification chambers. It has a 4" tubular or liquid chlorinator set in the Pump chamber. The treatment system is as follows:

- No 1 One two-way clean-out will be installed in the tight line about 3' from the dwelling .

OWNER: Brad Burns

10125 County Road 4101

Frankston, Texas 75763

STRUCTURE AND SQUARE FOOTAGE:

The structure on this tract of land is a Two Story Single Family Dwelling with three bedrooms, two and a half bathroom of 2,450 square feet heated and cooled. I was not apprised as to the number of occupants. The On-Site Sewage Facility is designed pursuant to the basic requirements of the Texas Commission of Environmental Quality (TCEQ) as they relate to single-family dwellings with this number of bedrooms and overall square footage

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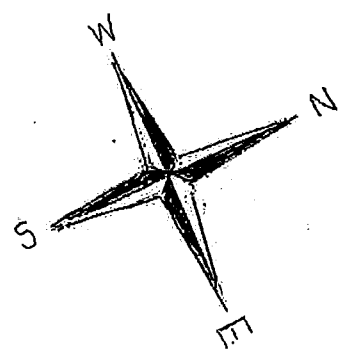
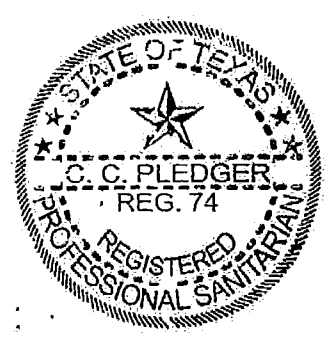
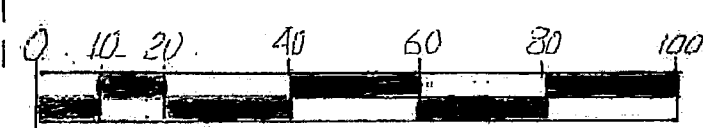
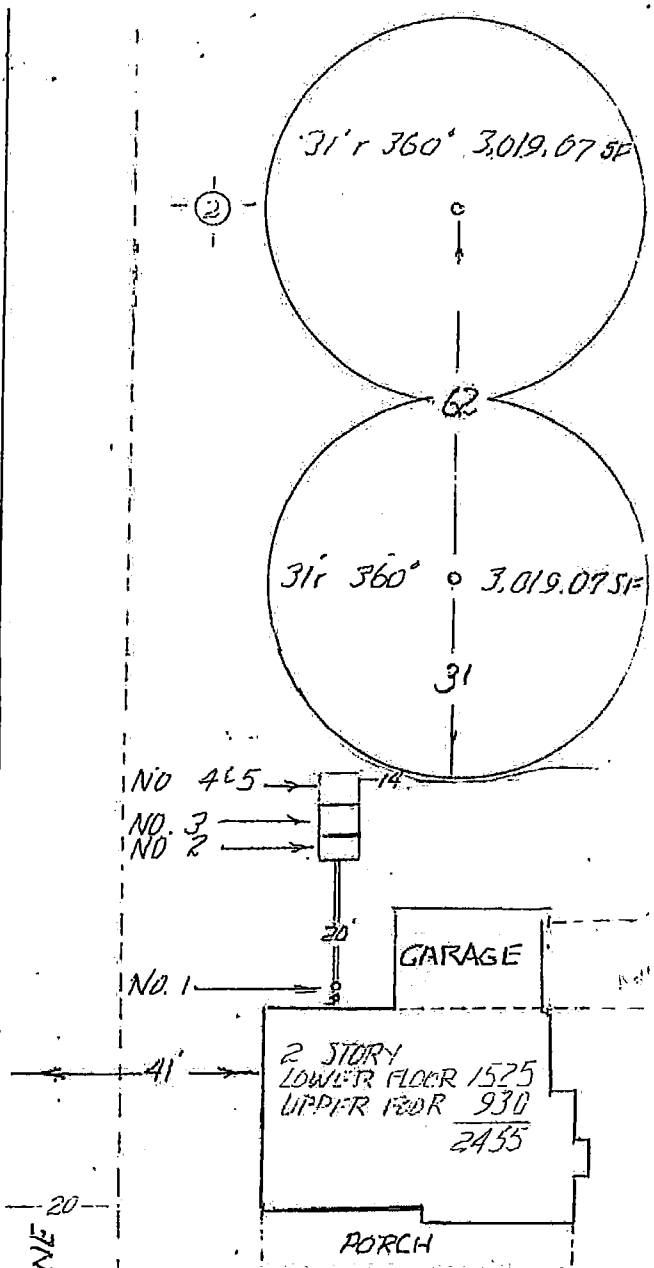
PROPOSED TREATMENT:

The Proposed Treatment is a 500 gpd Cajun-Aire Aerobic Treatment Plant. Cajun-Aire is a Class I, State Approved Unit with internal pretreatment, aeration and clarification chambers. It has a 4" tubular or liquid chlorinator set in the Pump chamber. The treatment system is as follows:

- No 1 One two-way clean-out will be installed in the tight line about 3' from the dwelling.
- No 2 360 gallon Pretreatment Chamber of the Aerobic Treatment Plant.
- No 3 500 gpd Class I, State Approved Aerobic Treatment Plant with internal pretreatment, aeration and clarification chambers.
- No 4 One 4" tubular or liquid chlorinator set in the Pump Chamber.
- No 5 500 gallon Pump Chamber with alarms on a separate circuit.

SURFACE APPLICATION:

Surface Application requirements for this system are based on an estimated 240-gallon daily usage rate divided by an application rate of 0.045 gallons/square foot/day; subsequently, requirements are 5,853.36 square feet. This Surface Application System is composed of two 31'r full circle, low angles sprinkler heads in the northwest front yard. Each head will irrigate 3,019.08 square feet for a total of 6,038.16 square feet. This exceeds the minimum requirement of 5,853.36 square feet by 184.50 square feet.



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