

JOE LILLY
6500 FM 513 South
Lone Oak, TX: 75453
Phone: 903-408-9759, Fax: 903-634-2006
Registered Sanitarian # 2659, Site Evaluator # 11700

ABSORPTION TRENCHES

Date 2-22-17

Name: John Rowan

Address: 543 CR 1170, Sulphur Springs 75482 Phone: 972-333-5889

Location: CR 1170, Sulphur Springs, TX County Hopkins
75482

GENERATING UNIT

2 bedroom with 792 sqft

AVERAGE DAILY FLOW

Total: 180 gal/day

SIZING CALCULATIONS

Soil evaluation: Sandy Loam

Loading rate: 0.25

Absorption area = $\frac{180 \text{ gal/day}}{0.25} = 720 \text{ sq ft}$

$\frac{720 \text{ sq ft}}{4} = 180$ linear feet required of 2 wide trenches.

Total installed - 180'

Joe Lilly

2-23-17



HOPKINS COUNTY ENVIRONMENTAL QUALITY

128 Jefferson St. Suite A, SULPHUR SPRINGS, TX 75482

Office (903) 885-2732

Fax (903) 885-2912

E-mail Inspector@hopkinscountytexas.org

ON-SITE WASTEWATER SYSTEM CHECKLIST FOR DESIGNED SYSTEM

OWNER'S NAME John Rowan

The following information must be included with the design package for review by the Hopkins County Environmental Quality. Failure to include or address all of the following items may result in approval delays.

Plans and Report must bear a **Signed and Dated Seal** of the responsible **Registered Sanitarian or Registered Professional Engineer**. The address and telephone number of this person must also be included in the submittal.

A Report must be included in the submittal containing the following information:

Basis of design

Site Evaluation

System flow and sizing calculations

Material specifications

Size and model number of approved aerobic system (if used)

Construction Drawing must include the following information:

A Scaled, Legible Site Plan with Boundary Description

The location of **all** buildings (existing or proposed) **on the site plan**

The location of the **wastewater treatment units and disposal area**

Setback Distances and Water Wells must be **identified and located on the site plan**

The site plan must also include topographical contours for slopes greater than 15%

Easements and Bodies of Water (lakes, streams, creeks, ditches, ponds etc.) **must be identified**

Installation details such as septic tank configuration, layouts, cross-sections of drainfields and disposal beds, irrigation systems and pump station including piping and controls

Signature of Designer

6500 FM 513 S, LONE OAK, TX. 75453

903-408-9759



**HOPKINS COUNTY ENVIRONMENTAL QUALITY
ON-SITE SEWAGE FACILITY
TECHNICAL INFORMATION FOR PERMIT**

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL
UNAUTHORIZED CONSTRUCTION CAN RESULT IN PENALTIES

PROPERTY OWNER'S NAME John Rowan

New House /w New System Replace System Upgrade System

Professional design required: Yes No If Yes, professional design attached: Yes No

SEWER (House Drain)

Type and Size of Pipe 4" Sch 40 Slope of Sewer Pipe to Tank 1/8" / Foot

DAILY WASTEWATER USAGE RATE: Q= 180 (GALLONS PER DAY)

Water Saving Devices: Yes No

TREATMENT UNIT: SEPTIC TANKS AEROBIC UNIT OTHER

Tank Dimensions 44" x 58" Liquid Depth (Bottom Of Tank to Outlet) 50"
(R & H or L, W & H) (Inches)

Size Required 750 (Gallons) Size Proposed 1,000 (Gallons)

Manufacture L+L Model # NA Distributor L+L

Type Material of Tank Concrete Pretreatment Tank Required: Yes No

III. DISPOSAL SYSTEM

Type: Conventional Panels Surface Application Drip Gravel-less Pipe E-Z Lay LPD

Area Required 720 sqft Area Proposed 720 sqft

IV. ADDITIONAL INFORMATION

Note: THIS INFORMATION MUST BE ATTACHED FOR REVIEW TO BE COMPLETE.
Site Evaluation
Planning Materials
Design

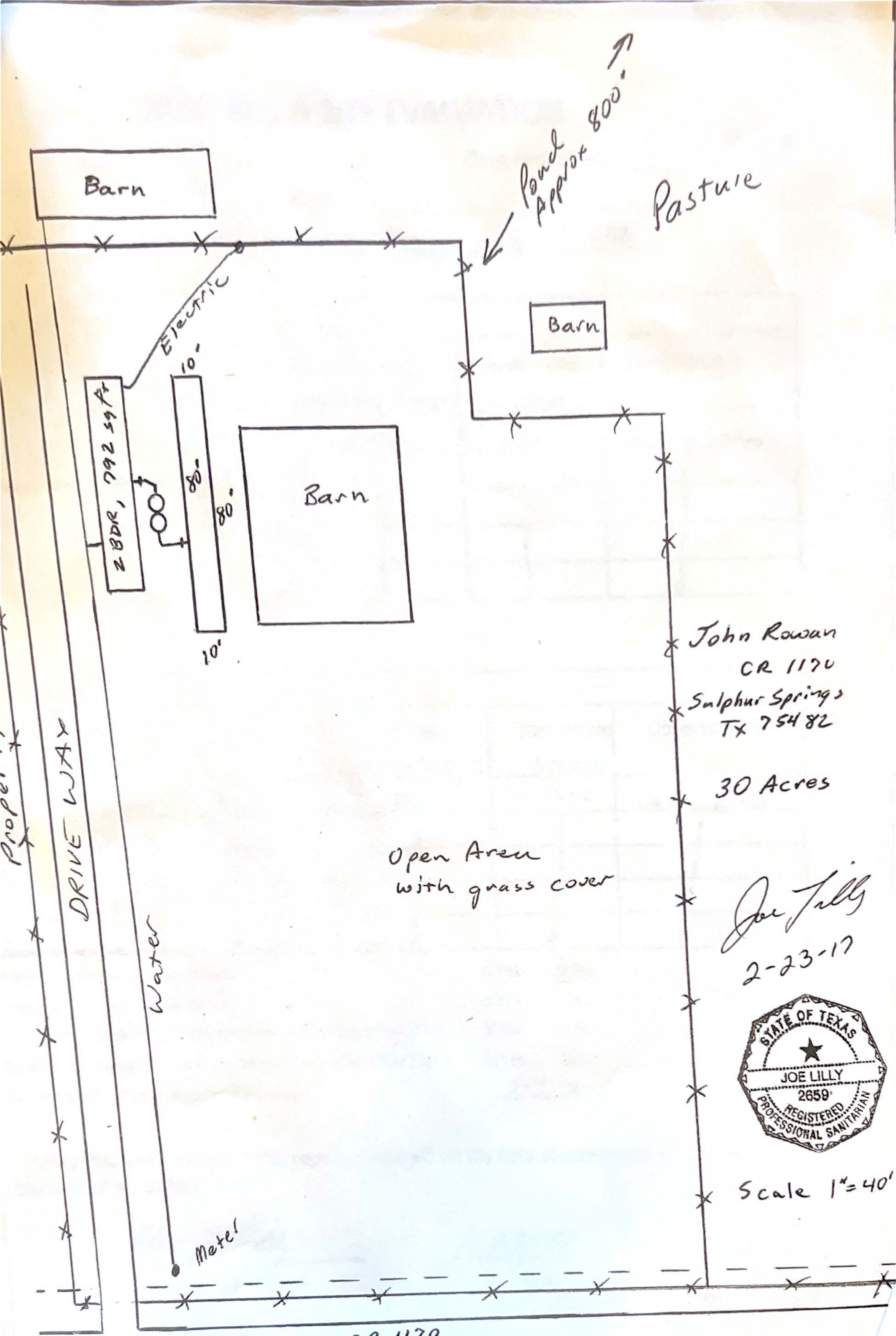
THE ATTACHED CHECKLIST DETAILS THOSE ITEMS THAT MUST BE ADDRESSED UNDER EACH OF THESE CATEGORIES.

Joe Lilly
Designer's Signature



RS 2659
Registration #

2-23-17
Date rev 2



Barn

Pond
Approx 800' →

Pasture

Barn

2 BDR, 792 sq ft

Electric

Barn

10' 80' 80' 10'

John Rowan
CR 1170
Sulphur Springs
TX 75482

30 Acres

Open Area
with grass cover

Joe Lilly
2-23-17



Scale 1" = 40'

DRIVE WAY

Water

Meter

CR 1170

SOIL & SITE EVALUATION

Property Owner: John Rowan Date Performed: 2/14/17
 Site Address: CR 1170, Sulphur Springs, TX 75482

Soil Boring #1

Depth (Feet)	Texture Class	Gravel Analysis	Drainage (Mottles/Water)	Restrictive Horizon	Observations
0-1	2	None	None	None	Sandy Loam
1-2	2				
2-3	2	↓	↓	↓	↓
3-4	2				
4-5	↓				

Soil Boring #2

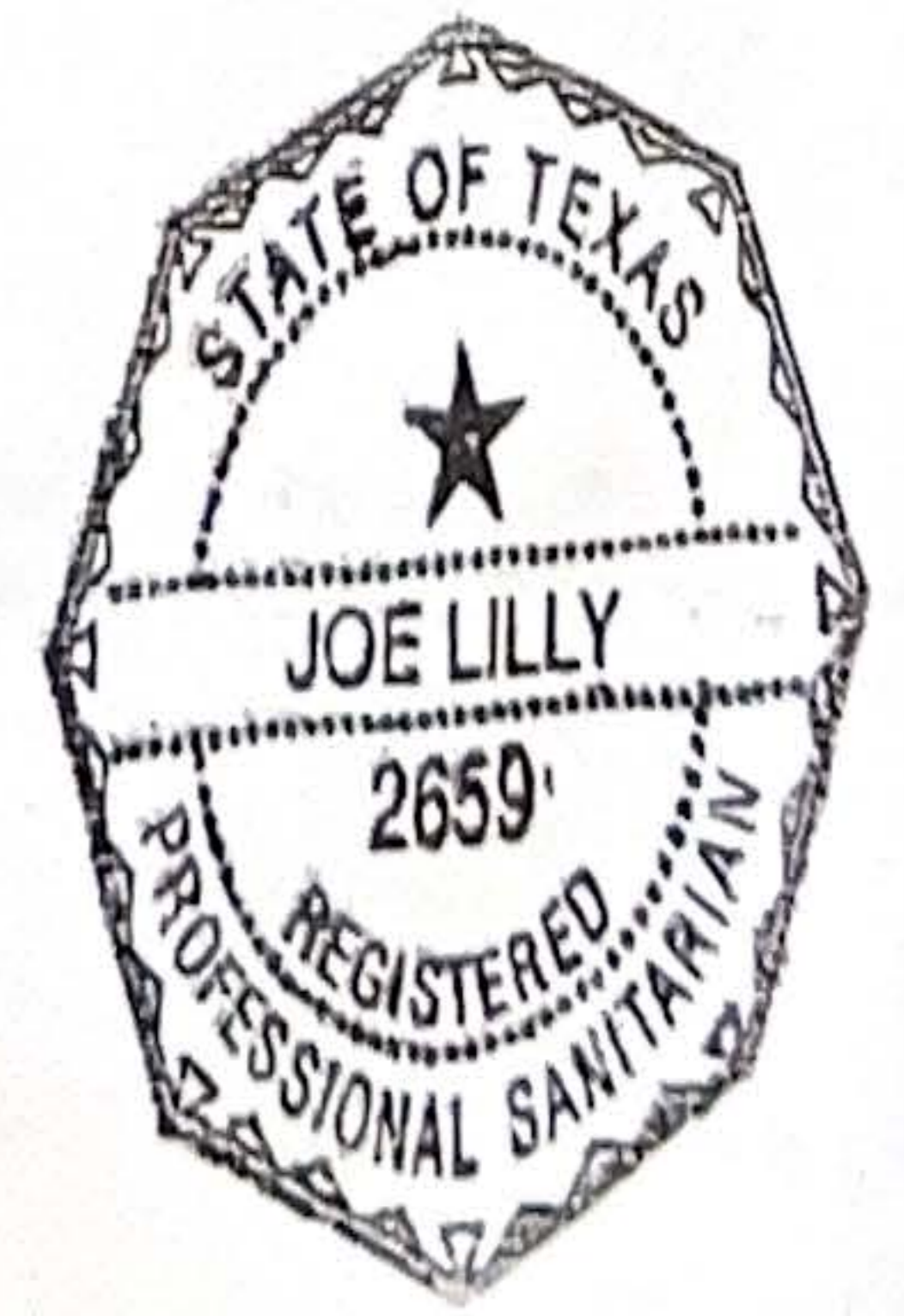
Depth (Feet)	Texture Class	Gravel Analysis	Drainage (Mottles/Water)	Restrictive Horizon	Observations
0-1	2	None	None	None	Sandy Loam
1-2	2	↓	↓	↓	↓
2-3	2				
3-4	↓				
4-5	↓				

- Presence of 100 year flood basic Yes No
- Presence of upper water shed Yes No
- Presence of adjacent ponds, streams, water impoundments Yes No
- Existing or proposed water well in nearby area (within 150') Yes No
- Ground Slope area in disposal field area 2-4 %

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

Joe Lilly
 Joe Lilly, Site Evaluator 11,700

2-23-17
 Date



Soil & Site Evaluation

ents

