

# Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: SanLee Environmental, LLC PROPERTY LOCATION: SR-1111 MARKS RD  
 NEW  REPAIR  EXPANSION  SUBDIVISION: MARKS ROAD LOT # 4  
 Type of Structure: SFD Site Improvements required prior to Construction Authorization Issuance:  
 Proposed Wastewater System Type: 25% REDUCTION  
 Projected Daily Flow: 480 GPD  
 Number of bedrooms: 4 Number of Occupants: 8 max  
 Basement  Yes  No  
 Pump Required:  Yes  No  May be required based on final location and elevations of facilities  
 Type of Water Supply:  Community  Public  Well Distance from well \_\_\_\_\_ feet Permit valid for:  Five years  
 Permit conditions: \_\_\_\_\_  No expiration

Authorized State Agent: James E. Manhart <sup>SPD IDEAS</sup> Date: 3-3-22 SEE ATTACHED SITE SKETCH  
 The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

## Construction Authorization (Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: SanLee Environmental LLC PROPERTY LOCATION: SR 1111 MARKS RD  
 SUBDIVISION: MARKS ROAD LOT # 4  
 Facility Type: SFD  New  Expansion  Repair  
 Basement?  Yes  No Basement Fixtures?  Yes  No  
 Type of Wastewater System\*\* 25% REDUCTION system (Initial) Wastewater Flow: 480 GPD  
 (See note below, if applicable  25% Reduction system (Repair))

**Installation Requirements/Conditions**  
 Septic Tank Size 1000 gallons Exact length of each trench 200 feet Trench Spacing: 9 Feet on Center  
 Pump Tank Size \_\_\_\_\_ gallons Trenches shall be installed on contour at a Soil Cover: 6 inches  
 Maximum Trench Depth of: 30" inches (Maximum soil cover shall not exceed 36" above the trench bottom)  
 (Trench bottoms shall be level to +/- 1/4" in all directions)  
 Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ GPM Aggregate Depth: 6 inches below pipe  
2 inches above pipe  
 Conditions: LSS OPTION Permit - Follow LSS Septic layout 12 inches total

WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.  
NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.

\*\*If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: James E. Manhart <sup>SPD IDEAS</sup> Date: 3-3-22  
 Construction Authorization Expiration Date: 3-3-27

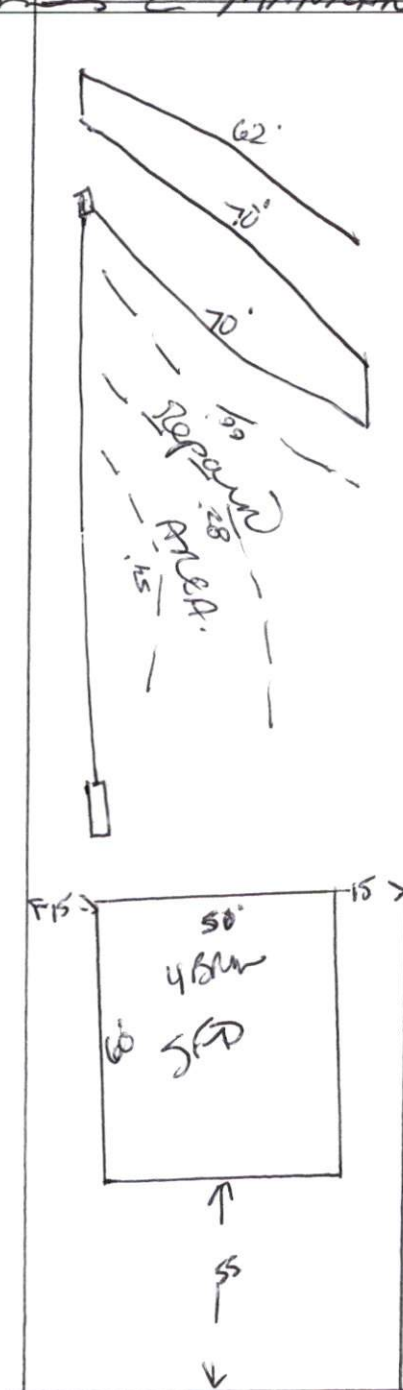
Application # SD2202-0052

### Harnett County Department of Public Health Site Sketch

Property Location: SR 1111 MARKS RD

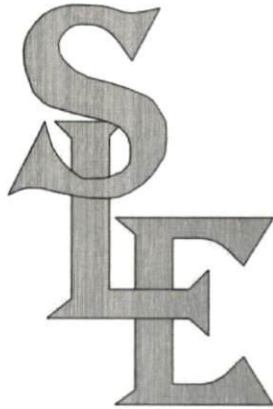
Issued To: Steele Environmental LLC Subdivision MARKS RD Lot # 4

Authorized State Agent: James E. Markham 2022 Date: 3-3-22



\* LSS OPTION PERMIT  
\* Follow LSS Septic Layout

This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.



***SL2018-114***  
***Submission Package***

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Marks Road  
Lot 4  
Cameron, NC  
Harnett County

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Prepared For: Carlos Llamas, Owner  
Prepared By: Sloan Griffin, SanLee Environmental, LLC  
Report Date: January 2, 2022

“The LSS Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 11.(c).”

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Sloan Griffin, Legal Representative

“This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 section 11.(c).”

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Sloan Griffin, LSS #1333

# SanLee Environmental, LLC

Project: Marks Road Subdivision - Lot 4 Date: 1/2/2022

Address: TBD Marks Road, Cameron, NC

County: Harnett PIN# TBD Water Source: Public

# of Bedrooms: 4 Design Daily Flow: 480 Waste Strength: Domestic

## Initial System

LTAR: 0.6 Trench Width: 3 Trench Depth: 30"

Min. ft of Drainfield: 267 Adjusted ft of Drainfield: 200

Septic Tank Size: 1000 Gallons Pump Tank Size: NA Gallons

Distribution Method: Serial Specified Product: Infiltrator Quick4 Plus Standard

Pretreatment Required? No Amount of Soil Cover Required NA

### Notes

- 1) Stub plumbing out shallow, else a pump system may be required
- 2) Maintain all applicable setbacks to septic system components
- 3) Property Lines/corners shall be clearly marked prior to system installation
- 4) Owner is responsible for maintaining flagging identifyinh approved soil area and component location
- 5) Unapproved grading, filling, or compaction of approved soil may result in permit revocation
- 6) Keep construction materials and equipment off of approved soils area during all phases of construction

## Repair System

LTAR: 0.6 Trench Width: 3 Trench Depth: 30"

Min. ft of Drainfield: 267 Adjusted ft of Drainfield: 200

Septic Tank Size: 1000 Gallons Pump Tank Size: 1000 Gallons

Distribution Method: Serial Specified Product: Infiltrator Quick4 Plus Standard

Pretreatment Required? No Amount of Soil Cover Required NA

### Notes

- 1) A pump system may not be necessary if gravity fall can be maintained

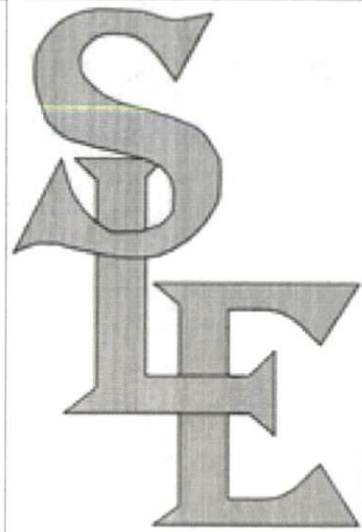
# SanLee Environmental, LLC

Project: Marks Road Subdivision - Lot 4 Date: 1/2/2022

Address: TBD Marks Road, Cameron, NC

County: Harnett PIN# TBD Water Source: Public

Layout					
Line #	Flag Color	Elevation	Line Length	Primary System	Repair System
Septic Tank					
Line 1	Blue		87	54	
Line 2	White		111	82	
Line 3	Green		71	66	
Line 4	Yellow		73		70
Line 5	Pink		75		70
Line 6	Purple		68		62
			<b>485</b>	<b>202</b>	<b>202</b>



SanLee  
Environmental, LLC  
919-842-6263

Project:  
Marks Road  
Subdivision  
Lot 4

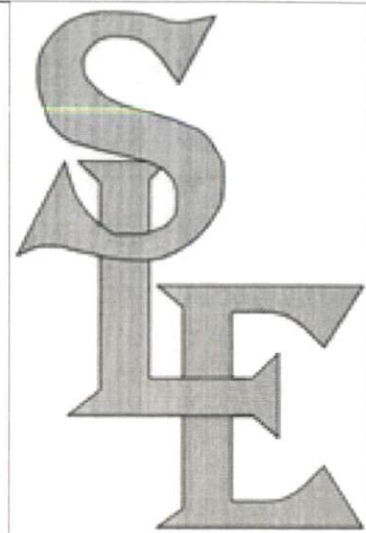
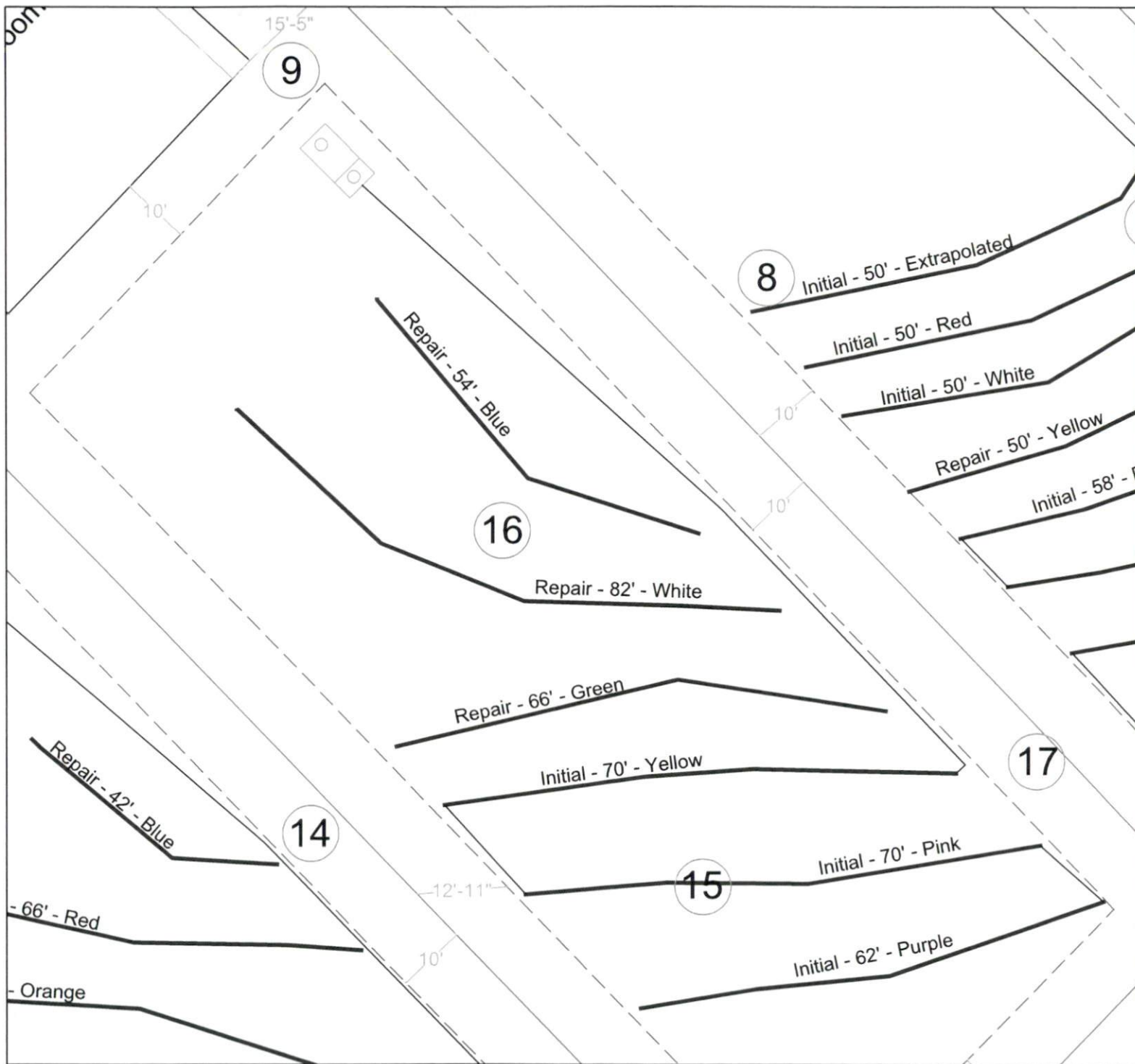
Date:  
December 21, 2021

Drawn By:  
Sloan Griffin

1" = 40'







SanLee  
Environmental, LLC  
919-842-6263

Project:  
Marks Road  
Subdivision  
Lot 4

Date:  
December 21, 2021

Drawn By:  
Sloan Griffin

1" = 20'



## Soil Notes

Name	Horizon 1	Horizon 2	Horizon 3	Horizon 4
WPT 19	0-14 l gr fr nsnp se xp	14-37 sl gr fr nsnp se xp		37-48 scl wsbk fr sssp se xp
WPT 18	0-8 l gr fr nsnp se xp	8-48 sl gr fr nsnp se xp		
WPT 17	0-7 sl gr fr nsnp se xp	7-48 LS gr fr nsnp se xp		
WPT 16	0-14 l gr fr nsnp se xp	14-48 sl gr fr nsnp se xp		
WPT 15	0-11 l gr fr nsnp se xp	11-48 sl gr fr nsnp se xp		
WPT 14	0-10 l gr fr nsnp se xp	10-48 sl gr fr nsnp se xp		
WPT 13	0-13 l gr fr nsnp se xp	13-48 sl gr fr nsnp se xp		
WPT 12	0-9 l gr fr nsnp se xp	9-48 LS gr vfr nsnp se xp		
WPT 10	0-6 l gr fr nsnp se xp	6-48 sl gr fr nsnp se xp		
WPT 9	0-11 l gr fr nsnp se xp	11-35 LS gr fr nsnp se xp		35-48 sl gr fr nsnp se xp
WPT 8	0-12 l gr fr nsnp se xp	12-48 sl gr fr nsnp se xp		
WPT 7	0-13 l gr fr nsnp se xp	13-48 sl gr fr nsnp se xp		
WPT 6	0-8 l gr fr nsnp se xp	8-44 sl gr fr nsnp se xp		44-48 scl wsbk fr sssp se xp
WPT 5	0-9 l gr fr nsnp se xp	9-48 sl gr fr nsnp se xp		
WPT 4	0-8 l gr fr nsnp se xp	8-48 sl gr fr nsnp se xp		
WPT 3	0-9 l gr fr nsnp se xp	9-41 sl gr fr nsnp se xp		41-48 scl wsbk fr sssp se xp
WPT 2	0-12 l gr fr nsnp se xp	12-48 sl gr fr nsnp se xp		
WPT 1	0-13 l gr fr nsnp se xp	13-48 sl gr fr nsnp se xp		

Name	LTAR	Restrictive Layer	Slope	Soil Depth
WPT 19	0.6		3	48
WPT 18	0.7		3	48
WPT 17	0.8		3	48
WPT 16	0.7		3	48
WPT 15	0.7		3	48
WPT 14	0.7		3	48
WPT 13	0.7		3	48
WPT 12	0.8		3	48
WPT 10	0.7		2	48
WPT 9	0.7		2	48
WPT 8	0.7		2	48
WPT 7	0.7		3	48
WPT 6	0.6		3	48
WPT 5	0.7		3	48
WPT 4	0.7		3	48
WPT 3	0.7		2	41
WPT 2	0.7		3	48
WPT 1	0.6		4	48