

10/21/2021

Date:

#### Floyd County Health Department

1917 Bono Road New Albany, IN 47150 Office 812-948-4726

# Onsite System Minimum Requirements Specifications

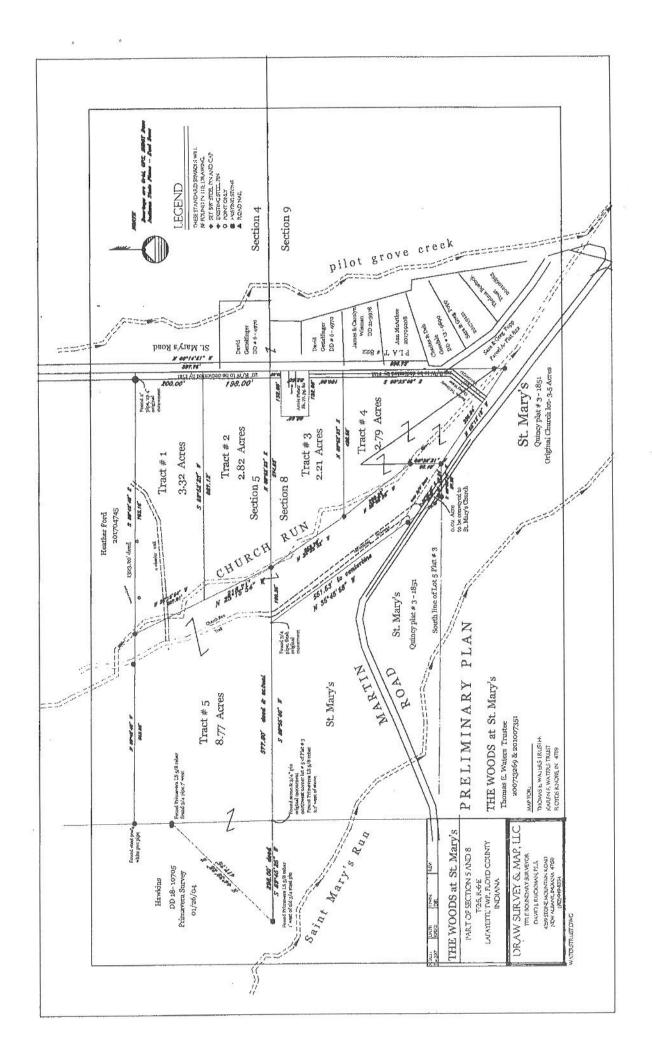
Soil Test Login #: 21-126

Owner:	Waters, Karen - L	iving Trust With Kare	n Water & Jonathan & Pamela Belder	ı-truste	
Phone:	Thank 2 St Marria I	2.4			
Site Address	Tract 3 St Marys Floyds Knobs, IN				
Parcel ID#	22-04-00-800-026	5,000-006			
Date of Soil Evaluatio	n: 10/12/2021		Dose Tank Size:		
Soil Scientist:	ARCHIE SA	UERHEBER	Dose Volume:		
Number of Bedrooms:	4		Total Absorption Area (sq.ft.)	1340	
Daily Design Flow:	600 GPD		Total Linear Feet (3' wide)	280	
Depth of Limiting Lay	/er: 36"		Trench Depth Min	4'	
Soil Loading Rate:	,30		Trench Depth Max	6"	- 14
System Type:	SUBSURFA	CE SAND-LINED	Subsurface Drain Required	Yes	
Slope:	9%		Subsurface Drain Type	Upslope	
Septic Tank Size:	1250 Gallon		Subsurface Drain Depth	44"	
Septic Tank #2 Size:			Dispersal Area	1/2 Width of SAF	
Site is also available fo	or a sand line syste	em			
SLS Sytem Type:		Split-SLS			
Maximum Installation	Depth (inches):	12			
SLS Total Absorption	Area:	1340			
SLS Total Linear Feet	:	280			
Notes:					

Install septic over soil pits A1-A3 and install along contour. Do not wrap the drain in geo-textile fabric. Drain depth based on the deepest limiting layer. If the system can't be gravity fed due to home elevation then it must be flood dosed. If a flood dose system is required a site plan, including a pump calculation sheet, completed by a licensed septic installer must be submitted to FCHD. A set aside area spec over soil pits B1-B3, a split bed SLS installed 4-7" with a drain installed 43" and not wrapped in geo-textile fabric. Any vegetation which may interfere with the system layout must be cleared prior to the site survey; trees in the area may be cut to grade with stumps ground. Property lines must be marked off before the site survey. Must maintain proper distances to property lines, driveways, structures, etc. If system is located within a utility easement permission may be required from the utility company. Any proposed construction must be marked at the time of the site survey or an additional site approval may be required. Protect septic area at all times during construction.

Please note the above minimum design specifications for your onsite sewage system does not imply construction approval. If you should have any further questions regarding these specifications or the approval process, please contact this office at the number listed above.

Reveiwed by: D	Date:	10/21/2021
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# Archie Sauerheber, Consulting Soil Scientist, IRSS #80 2|-|26

#### 2385 S Gethsemane Rd NW

## Corydon, IN 47112

812-267-2749



This report is for informational purposes only. The appropriate government agency will determine the suitability, type, and size of a septic system installed at this site.

Date: October 13, 2021

Prepared For: Tom Waters, Tract 3

Property Address: St. Mary's Road Floyds Knobs, IN 47119

Client Mailing Address:

Phone:
Email:

**Current Land Use: Forest** 

Primary Pit 1 Latitude: 38.360101

Longitude: -85.865103

County: Floyd

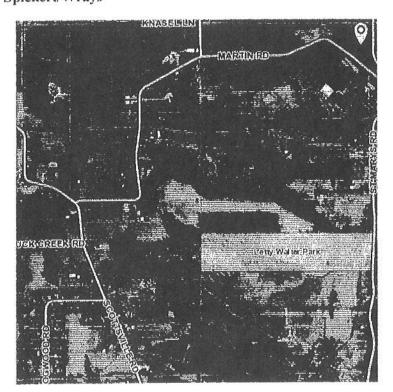
Civil Township: Lafayette

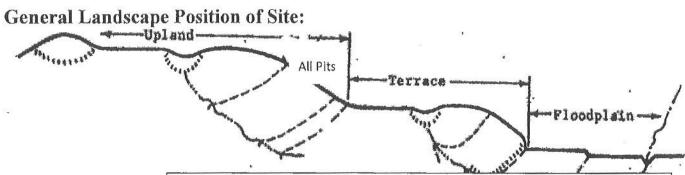
Legal Land Description: N 1/2 NE 1/4 8-2-6; SE 1/4 SE 1/4 5-2-6; 0042080027 PRT SW1/4 SE1/4 5-2-6

Parcel #: 22-04-00-800-026,000-006

General Comments: New Construction. 4 Bedroom Home. Basement with plumbing

Mapped Soil Series: Spickert/Wrays





# Site Map:

Notes:

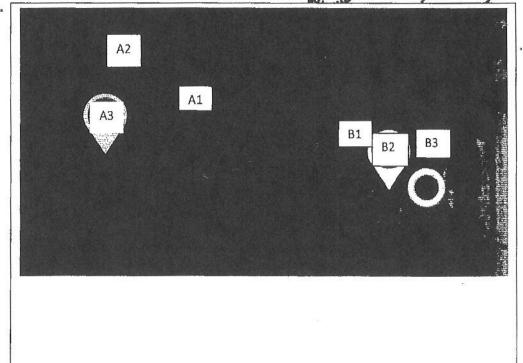
Slope is to the Southwest.

Pit A1 to A2 is 51 ft.

Pit A2 to A3 is 42 ft.

Pit B1 to B2 is 54

Pit B2 to B3 is 30 ft.



## **Detailed Soil Description-Site A**

Pit A-1: Slope: 9% Slope Type: Backslope Water Table: 31 in. Limiting Layer: Fragipan LL Depth: 39 in.

Depth (in)	Horizon	Texture %Clay	Matrix	Mottles	Grade	Shape	Size	Cons.	Coarse Frag%	Parent Material
0-7	A	SIL 12	10YR 3/3		MOD	GR	F	FR		LOESS
7-23	Bt1	SIL 27	7.5YR 4/6		MOD	SBK	M	FR		LOESS
23-31	Bt2	SIL 27	7.5YR 5/6	November of the second	MOD	SBK	M	FR		LOESS
31-39	Bt3	SICL 32	10YR 5/6	10YR 6/2	MOD	SBK	M	FR		LOESS
39-54	2Btx	SICL 32	10YR 5/6	10YR 6/2	STR	PR	VC	VFI		RESIDUUM
54-60+	2Cr									

#### Pit A-2: Slope: 7% Slope Type: Backslope Water Table: 36 in. Limiting Layer: Fragipan LL Depth: 42 in.

Depth (in)	Horizon	Texture %Clay	Matrix	Mottles	Grade	Shape	Size	Cons.	Coarse Frag%	Parent Material
0-7	A	SIL 12	10YR 3/3		MOD	GR	F	FR		LOESS
7-20	Bt1	SIL 27	7.5YR 4/6		MOD	SBK	M	FR		LOESS
20-36	Bt2	SIL 27	7.5YR 5/6		MOD	SBK	M	FR		LOESS
36-42	Bt3	SICL 32	10YR 5/6	10YR 6/2	MOD	SBK	M	FR		LOESS
42-52	2Btx	SICL 32	10YR 5/6	10YR 6/2	STR	PR	VC	VFI		RESIDUUM
52-60+	2Cr									

Pit A-3: Slope: 5% Slope Type: Backslope Water Table: 26 in. Limiting Layer: Fragipan LL Depth: 36 in

Depth (in)	Horizon	Texture %Clay	Matrix	Mottles	Grade	Shape	Size	Cons.	Coarse Frag%	Parent Material
0-8	A	SIL 12	10YR 3/3		MOD	GR	F	FR		LOESS
8-26	Bt1	SIL 27	7.5YR 4/6		MOD	SBK	M	FR		LOESS
26-36	Bt3	SIL 27	10YR 5/6	10YR 6/2	MOD	SBK	M	FR		LOESS
36-54	2Btx	SIL 27	10YR 5/6	10YR 6/2	STR	PR	VC	VFI		RESIDUUM
54-60+	2Cr									
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## **Detailed Soil Description-Site B**

Pit B-1: Slope: 3% Slope Type: Backslope Water Table: 28 in. Limiting Layer: Fragipan LL Depth: 41 in.

Depth (in)	Horizon	Texture %Clay	Matrix	Mottles	Grade	Shape	Size	Cons.	Coarse Frag%	Parent Material
0-7	Α	SIL 12	10YR 3/3		MOD	GR	F	FR		LOESS
7-20	Bt1	SIL 27	7.5YR 4/6		MOD	SBK	M	FR		LOESS
20-28	Bt2	SIL 27	7.5YR 5/6		MOD	SBK	M	FR		LOESS
28-41	Bt3	SICL 32	10YR 5/6	10YR 6/2	MOD	SBK	M	FR		LOESS
41-48	2Btx	SICL 32	10YR 5/6	10YR 6/2	STR	PR	VC	VFI		RESIDUUM
48-60+	2Cr									

Pit B-2: Slope: 4% Slope Type: Backslope Water Table: 20 in. Limiting Layer: Fragipan LL Depth: 31 in.

Depth (in)	Horizon	Texture %Clay	Matrix	Mottles	Grade	Shape	Size	Cons.	Coarse Frag%	3000 00 3000
0-7	Α	SIL 12	10YR 4/3		MOD	GR	F	FR		LOESS
7-20	Bt1	SIL 27	7.5YR 4/6		MOD	SBK	M	FR		LOESS
20-31	Bt3	SIL 27	10YR 5/6	10YR 6/2	MOD	SBK	M	FR		LOESS
31-41	2Btx	SIL 27	10YR 5/6	10YR 6/2	STR	PR	VC	VFI		RESIDUUM
41-60+	2Cr									

Pit B-3: Slope: 6% Slope Type: Backslope Water Table: 23 in. Limiting Layer: Fragipan LL Depth: 36 in

Depth (in)	Horizon	Texture %Clay	Matrix	Mottles	Grade	Shape	Size	Cons.	Coarse Frag%	Parent Material
0-8	A	SIL 12	10YR 4/3		MOD	GR	F	FR		LOESS
8-23	Bt1	SIL 27	7.5YR 4/6		MOD	SBK	M	FR		LOESS
23-36	Bt3	SIL 27	10YR 5/6	10YR 6/2	MOD	SBK	M	FR		LOESS
36-44	2Btx	SIL 27	10YR 5/6	10YR 6/2	STR	PR	VC	VFI		RESIDUUM
44-60+	2Cr									
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