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**Health Officer**

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Brown County  
Department of Health

**CARD NUMBER**

# SEPTIC SYSTEM SPECIFICATIONS WORKSHEET

**\*\*Approval of Soil Evaluation is Not A Permit\*\***

New Installation: ☒ Repair: ☐ Addition ☐  
Permit Denied: ☐ Date Reviewed: 3-26-08

PERMIT # \_\_\_\_\_  
Date Issued \_\_\_\_\_

NAME OF PROPERTY OWNER: Rick + Mary Higgs  
LOCATION: Buffalo Pike Rd

Septic Tank: 1,000 gal min-or-( )

Square Footage: 1,000 Sq. Ft. Minimum  
-or- (500 Sq. Ft./bedroom) \_\_\_\_\_  
if  $\geq 1500$  Sq. Ft.—**Pump Required**

Pump Chamber: \_\_\_\_\_gallons  
**Pump must be equal to septic tank size**

Soil Loading Rate: .3 F

Soil Loading Rate: <b>3 F</b>	1 & 2 Bedroom	3 Bedroom	( ) Bedrooms
<b>System Type:</b>			
Gravity Flow	✓		
Gravelless Pipe			
Presby system	✓	MAX DEPTH 5" ✓	
Mound system			
Pressure Distribution		✓	
Area Dosing		✓	
Alternating Field			
Maximum Trench Depth	11"	10"	
Additional Cover over original grade	13"	14"	
Perimeter Drain Depth	38"	38"	
<b>**Alternative or Experimental System— will require state approval.</b>			

Perimeter Drain Required Yes (☒) No (☐) Surrounding Field ☐ Upslope Only ☒

**Notes:**

**Notice:** In order to issue a permit, your septic contractor must submit a plot plan. This plan must include: distances from dwelling, tank, distribution box to trenches, property lines, ditches, lakes, streams, water lines and adjacent wells. As owner you must insure that the septic field is located in the exact same site where the soil evaluation was conducted and within property boundaries.

Contact April Reeves if you have any further questions.  
John Kennard/April Reeves, E.H.S.

CHESTNUT RIDGE CONSULTING, INC.  
JOHN BOWEN  
7208 EAST CO. RD. 100 SOUTH  
SEYMOUR, IN 47274  
(812) 522-2749

Project No. 08-07-07

TYPE OF ASSISTANCE REQUESTED: Soil and Site Evaluation for On-Site Sewage Disposal

ASSISTANCE REQUESTED BY: Rick and Mary Higgs  
273 Melrose Lane  
Greenwood, IN 46142  
317/627-6602

DATE ASSISTANCE PROVIDED: March 22, 2008

LOCATION OF SITE: County: Brown  
Township: Van Buren

Address: The site is on the west side of Buffalo Pike Rd. and approx.  
1/2 mile south of Mt. Nebo Rd.

Legal Description: NW 1/4 of the NE 1/4 of Section 10, T.7N., R.3E.

Soil Survey Map Number: 54

SIZE OF LOT/TRACT: Approx. 10.56 acres

NUMBER OF BEDROOMS: 3

GENERAL INFORMATION:

Job Level:  
☒ Residential  
☐ Commercial

Purpose:  
☒ Proposed  
☐ Repair  
☐ Replacement  
☐ Expansion

Drinking Water Source:  
☐ Well  
☒ Municipal  
☐ Unknown

PERSONS PRESENT: Rick and Mary Higgs (Perspective Buyers), Phil Shively (Realtor, Hills O' Brown Realty,  
and John Bowen (Soil Scientist)

NOTES: There were 3 soil borings taken on the property. All 3 soil borings had a limiting layer composed of bedrock ranging in depth  
from 35 to 36 inches below the soil surface. There was no evidence of poor filtering layers or seasonal high water table.

SUITABILITY OF AN OUTLET IF A PERIMETER DRAIN IS REQUIRED: EXCELLENT -- An outlet is available down slope and north  
of the soil borings where the slope drops-off abruptly (see diagram for location).

SIGNED/DATE: John Bowen 3/24/08

SUBMITTED TO THE BROWN CO. HEALTH DEPT.: MAILED 3/24/08

# DIAGRAM FOR LOCATION OF SOIL BORINGS

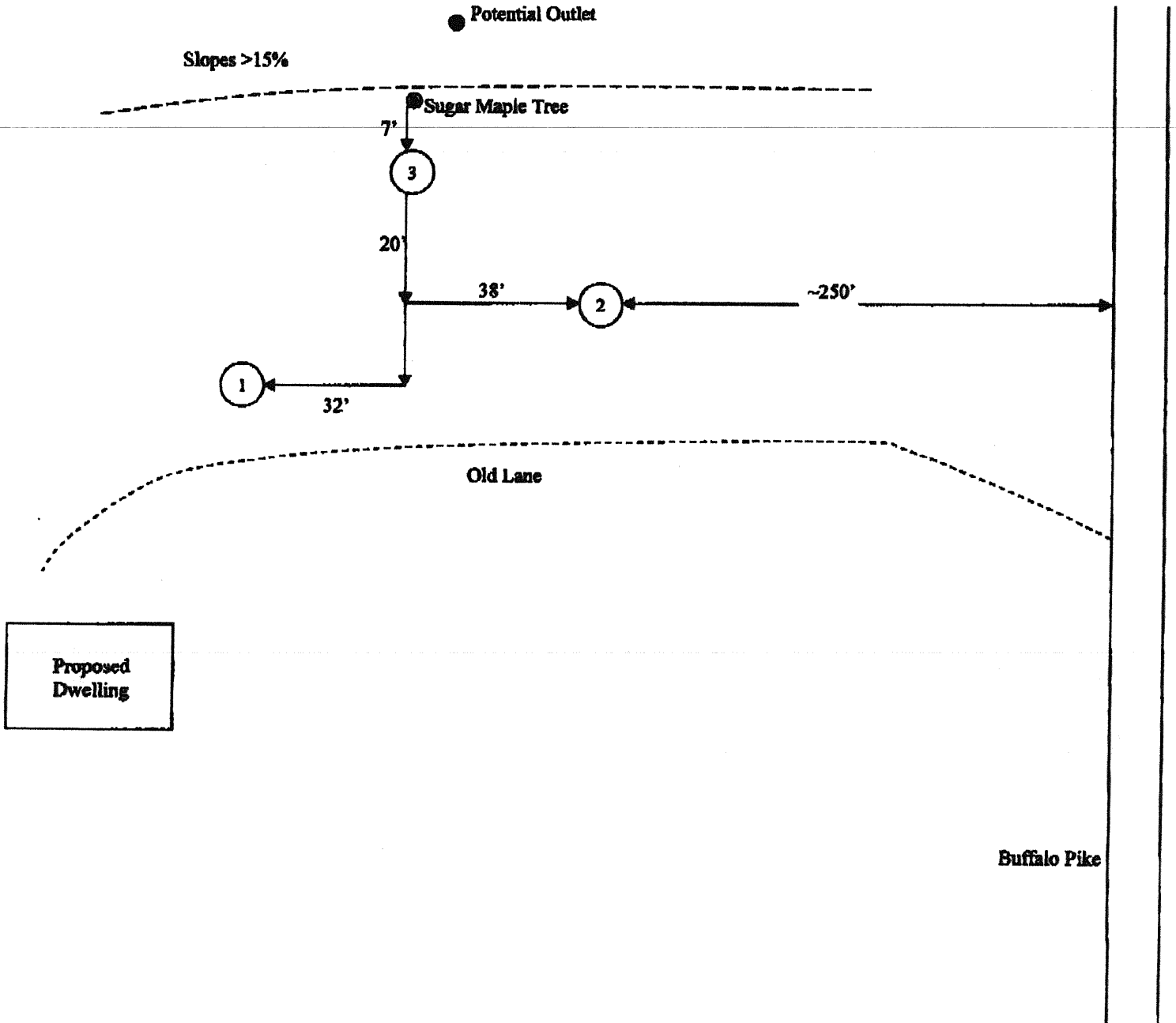
NAME: Rick and Mary Higgs  
DATE: 3/22/08

NORTH

(Drawing not to scale)

The benchmark for locating the soil borings is the sugar maple tree (marked with orange flagging)

Note: Soil borings are down slope from the proposed dwelling



**Site and Pedon Information for: Rick and Mary Higgs**

## Soil morphology

1	2	3	4	5	6	7	8	9	10
Depth	Basis	Horizon	Matrix colors	Texture	Structure	Cons.	Additional	Rock frg.	Eff.
in.	in.	designation	Other colors	class	Grade	Size	Kind	%	vesc.
		Pfx Mast	Kind Munsell	Redox depletions	Size	Shape	Mun sell	Size	
			% Munsell	%	mm	mm	%	mm	
0	4	A	10YR 4/4 100	SIL	Weak	Medium	Gr	Friable	0
4	12	BE	10YR 4/6 100	SIL	Weak	Medium	Sbk	Friable	0
12	20	Bt	10YR 5/6 100	SIL	Moderate	Medium	Sbk	Friable	0
20	30	Bt	10YR 5/6 100	SiCL	Moderate	Medium	Sbk	Firm	2
30	36	Bt	10YR 5/6 95	SIL	Moderate	Coarse	Sbk	Friable	15
			10YR 6/3 5						
36+		R							>50

## Additional notes, comments, and seal of evaluator

- John F. Bower, Registered Professional Soil Scientist #102  
Indiana Registry of Soil Scientists**

COMMENTS: A wooden stake with orange flagging marks the boring site

# Soil and Landscape Evaluation Report for Onsite Sewage Disposal

Site and Pedon Information for: Rick and Mary Higgs

1. Site: Boring #2
2. Evaluator: John Bowen
3. Date: 3/22/08
4. Soil Survey (sheet no.): 54
5. Soil map unit: WAD
6. Location: West side of Buffalo Pike Rd. and ~ 1/2 mile south of Mt. Nebo Rd.
7. Land cover: Deciduous Trees
8. Location, rectangular: NW 1/4 - NE 1/4 - Sec. 10-T.7N.-R.3E.
9. Particle-size family: Fine-Silty
10. Slope: 5%-North
11. Parent material(s): Loess over interbedded shale, siltstone, and sandstone
12. Weather: Cloudy/Windy—42 degrees
13. Landform: Upland
14. Landform component: Bedrock Hills
15. Modifier: Shoulder

## Soil morphology

1	2	3	4	5	6	7	8	9	10
Depth Basis in.	Horizon designation	Matrix colors Other colors	Redox depletions Munsell %	Texture class	Structure Grade Size mm	Cons- istency	Additional Kind/Mun sell	Rock frag. Size %	Effer- vesc.
0	5	A	10YR 4/3 100	SIL	Weak Medium Gr	Friable		0	
5	10	BE	10YR 4/6 100	SIL	Weak Medium Sbk	Friable		0	
10	18	Bt	10YR 5/6 100	SiCL	Moderate Medium Sbk	Firm		0	
18	25	Bt	10YR 5/6 100	SIL	Moderate Medium Sbk	Friable		5	
25	35	Bt	10YR 5/4 90	SIL	Moderate Medium Sbk	Friable		15	
			10YR 6/3 5						
			10YR 5/8 5						
35+	2	R						>50	

## Limiting conditions

1. Depth to slow permeability; kind of layer: 35"; Bedrock
2. Depth to rapid permeability; kind of layer: None
3. Depth to redox depletions (gray colors): None
4. Depth to S<sub>sat</sub> (saturation 8% of the time): 25"
5. Is there evidence of disturbance (other than tillage)? Depth: No
6. Is there soil or landscape evidence of flooding or ponding? No

## Additional notes, comments, and seal of evaluator

John F. Bowen, Registered Professional Soil Scientist #102  
Indiana Registry of Soil Scientists

REMARKS: A wooden stake with orange flagging marks the boring site

# Soil and Landscape Evaluation Report for Onsite Sewage Disposal

**Site and Pedon Information for: Rick and Mary Higgs**

1. Site: Boring #3
4. Soil Survey (sheet no.): 54
7. Land cover: Deciduous Trees
10. Slope: 14%--North
13. Landform: Upland
2. Evaluator: John Bowen
5. Soil map unit: WAD
8. Location, rectangular: NW 1/4--NE 1/4--Sec. 10--T.7N--R.3E.
6. Location: West side of Buffalo Pike Rd. and ~ 1/2 mile south of Mt. Nebo Rd.
11. Parent material(s): Loess over interbedded shale, siltstone, and sandstone
14. Landform component: Bedrock Hills
3. Date: 3/22/08
9. Particle-size family: Fine-Silty
12. Weather: Cloudy/Windy--42 degrees
15. Moisture: Saturated

## Soil morphology

[illegible]

## Limiting conditions

- |    |   |              |
|----|---|--------------|
| 1. | Depth to slow permeability; kind of layer:                  | 36"; Bedrock |
| 2. | Depth to rapid permeability; kind of layer:                 | None         |
| 3. | Depth to redox depletions (gray colors):                    | None         |
| 4. | Depth to SatB (saturation % of the time):                   | 29"          |
|    | Is there evidence of disturbance (other than tillage)?      | No           |
|    | Is there soil or landscape evidence of flooding or ponding? | No           |

## Additional notes, comments, and seal of evaluator:

**John F. Bowen, Registered Professional Soil Scientist #102  
Indiana Registry of Soil Scientists**

**F: A wooden stake with orange flagging marks the boring site**