

**PUTMAN SOIL TESTING, INC.**  
SOIL TESTING AND CLASSIFICATION  
1200 PORTAGE LANE, WOODSTOCK, ILLINOIS 60098  
TELEPHONE: 815-338-6218  
FAX: 815-338-7210

## SOIL EVALUATION SUMMARY REPORT

### PROJECT SITE:

Route 38 Property (PIN 09-29-400-023), Dekalb County, Illinois

### INTRODUCTION

The subject property was investigated on March 2, 2021 for the purpose of classifying the soils for on-site waste disposal. The site is located in Section 29, T40N, R5E. The report has been prepared for John Mapes.

### METHODS

Three samples were taken in the area of the proposed septic field. The soils were sampled with a Giddings two-inch diameter core to a depth of 60 inches. The soils were described according to current State and local County requirements, with detailed soil descriptions written for each site. Soil types were identified and correlated to the current USDA soils legend for Dekalb County.

### RESULTS

The soils on this site formed in loess over either loam till or loamy sediments. Evidence of an estimated seasonal high groundwater table (based on soil color) was recorded at all sample sites. Restrictive permeability due to bedrock was not recorded at any sample site. A summary of findings is as follows:

SOIL PROPERTY	SAMPLE 1	SAMPLE 2	SAMPLE 3
Estimated high water table <sup>19</sup>	16	<13	<13
Observed water table	24	14	0
Bedrock	>60	>60	>60
Soil series	59	154	198


This soil test does not fully determine the suitability of a site for a septic field. A County Health Department approved septic design is required to determine if a site is suitable for a septic field. This soil test is not for building foundation design. This soil test does not include information regarding proximity to designated Waters of the U.S.

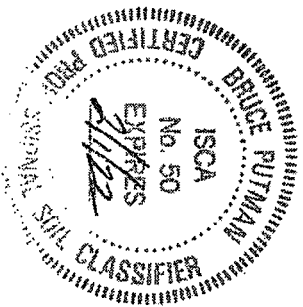
LEGAL DESCRIPTION: Route 38 Property (PIN 09-29-400-023),  
 SECTION #: 29 TOWNSHIP: 140N RANGE: R5E  
 BORING #: 1 SOIL SERIES: 59 (Lisbon)  
 MOTILE DEPTH (in.): 16  
 RESTRICTIVE PERMEABILITY (in.): >60  
 OBSERVED GROUNDWATER TABLE: 24

DATE: March 2, 2021  
 COUNTY: DeKalb  
 CLASSIFICATION: fine silty, Aquic Argiudoll  
 PARENT MATERIAL: loess/loam till  
 SAMPLE METHOD: 2-inch core  
 SLOPE: 2 percent to the northwest

HORIZ.	DEPTH	COLOR	TEXTURE	REDOX FEATURES	STRUCTURE	CONS.	COATINGS	STATE SOIL GROUP	PERMEABILITY AND LOADING RATE
A	0-12	10YR 3/2	Sll		2-n-gr	Fr		SD	.75
Bt1	12-16	10YR 4/4, 10YR 4/3	Sic1		2-f-sbk	Fr	C 10YR 3/2	6D	.62
Bt2	16-28	10YR 4/3, 10YR 5/3	Sic1	c-2-d 10YR 6/2, c-2-d 10YR 5/6	2-f-sbk	Fr		6D	.62
Bc11	28-37	10YR 5/3, 10YR 6/2	Sll	c-2-p 10YR 5/6	1-n-sbk	Fr	C 10YR 5/2	5B	.69
2BCt2	37-44	7.5YR 5/4	L	c-2-d 10YR 6/2, c-2-d 10YR 5/6	1-n-sbk	Fr	C 10YR 5/2	5F	.45
2C	44-60	7.5YR 5/4	L	c-2-d 10YR 6/2, c-2-d 10YR 5/6	M	Fr		5N	.27

REMARKS:

SOIL CLASSIFIER: BRUCE PUTMAN  
 ADDRESS: PUTMAN SOIL TESTING, INC., 1200 PORTAGE LANE, WOODSTOCK, IL 60098  
 PHONE: 815-338-6218  
 SIGNATURE: 




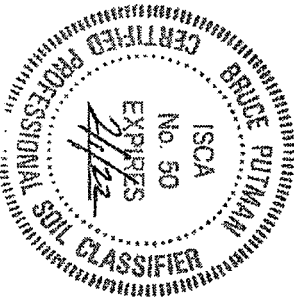
LEGAL DESCRIPTION: Route 38 Property (PIN 09-29-400-023),  
 SECTION #: 29 TOWNSHIP: T40N RANGE: R5E  
 BORING #: 2 SOIL SERIES: 154 (Flatagan)  
 MOTTLE DEPTH (in.): <13  
 RESTRICTIVE PERMEABILITY (in.): >60  
 OBSERVED GROUNDWATER TABLE: 14

DATE: March 2, 2021  
 COUNTY: Dekalb  
 CLASSIFICATION: fine silty, Aquic Argiudoll  
 PARENT MATERIAL: loess/loam till  
 SAMPLE METHOD: 2-inch core  
 SLOPE: 2 percent to the northwest

HORIZ.	DEPTH	COLOR	TEXTURE	REDOX FEATURES	STRUCTURE	CONS.	COATINGS	STATE SOIL GROUP	PERMEABILITY AND LOADING RATE
A	0-13	10YR 2/2	Sil		2-m-gr	Fr		5D	.75
Bt1	13-18	10YR 4/2, 10YR 4/3	Sic1	c-1-d 10YR 5/2, c-1-d 10YR 5/6	2-f-sbk	Fr	C 10YR 3/2	6D	.62
Bt2	18-26	10YR 5/3, 10YR 5/2	Sic1	c-2-d 10YR 6/2, c-2-d 10YR 5/6	2-f-sbk & 2-m-sbk	Fr		6D	.62
Bc1g	26-39	10YR 6/2	Sil	c-2-p 10YR 5/6	1-m-sbk	Fr	C 10YR 5/2	5B	.69
Cg1	39-49	10YR 6/2	Sil	c-2-p 10YR 5/6	M	Fr		5L	.52
2C2	49-60	7.5YR 5/4	L	c-2-d 10YR 6/2, c-2-d 10YR 5/6	M	Fr		5N	.27

REMARKS:

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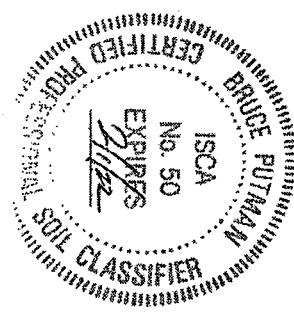
LEGAL DESCRIPTION: Route 38 Property (PIN 09-29-400-023),  
 SECTION #: 29 TOWNSHIP: T40N RANGE: R5E  
 BORING #: 3 SOIL SERIES: 198 (Elburn)  
 MOTTLLE DEPTH (in.): <13  
 RESTRICTIVE PERMEABILITY (in.): >60  
 OBSERVED GROUNDWATER TABLE: At Surface (0)

DATE: March 2, 2021  
 COUNTY: DeKalb  
 CLASSIFICATION: fine silty, Aquic Argudoll  
 PARENT MATERIAL: loess/loamy sediments  
 SAMPLE METHOD: 2-inch core  
 SLOPE: less than 2 percent

HORIZ.	DEPTH	COLOR	TEXTURE	REDOX FEATURES	STRUCTURE	CONS.	COATINGS	STATE SOIL GROUP	PERMEABILITY AND LOADING RATE
A	0-13	10YR 2/2	Sil		2-in-gr	Fr		5D	.75
Bt1	13-19	2.5Y 4/3, 10YR 4/2	Sic1		2-f-sbk	Fr	C 10YR 3/2	6D	.62
Btg2	19-29	10YR 5/2	Sic1	c-1-d 10YR 6/2, c-1-d 10YR 5/6	2-f-sbk & 2-in-sbk	Fr		6D	.62
Bc1g	29-40	10YR 6/2	Sil	c-2-p 10YR 5/6	1-in-sbk	Fr		5B	.69
Cg1	40-54	10YR 6/2	Sil	c-2-p 10YR 5/6	M	Fr		5L	.52
2Cg2	54-60	10YR 6/2	L, Sl	c-2-p 10YR 5/6	M	Fr		5L	.52

REMARKS: Area is ponded; borderline to 1S2 (Drummer) soil.

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LOCATION OF SOIL TEST SITES  
ROUTE 88 PROPERTY PIN 09-29-400-023  
DENVER COUNTY, FL 3/12/21

