



Environmental Health Division
2300 S Park St, Suite 2010
Madison, WI 53713

Phone (608) 242-6515
Animal Services Voicemail (608) 267-1989
Fax (608) 242-6435
www.publichealthmdc.com

March 18, 2026

JEFF LEVAKE
P. O. BOX 568
LAKE MILLS, WI 53551

Reference: NW 1/4 of NW 1/4 of Section 3, TOWN OF CHRISTIANA
Tax Parcel Number: 0612-032-8701-0
Property Address: 3140 STATE HIGHWAY 73
Municipality: TOWN OF CHRISTIANA
Owner Name: Nancy J Barth

Preliminary Opinion of Site Suitability for a Private On-site Wastewater Treatment System

Dear Jeff Levake

Public Health Madison and Dane County (hereinafter the "Department") has evaluated the site suitability of selected soils at the above referenced location for a private onsite wastewater treatment system. The Department's review is based on the examination of the "Soil and Site Evaluation Report" as submitted by the Certified Soil Tester, Jeff Levake, CST # 223322, and the results of an onsite inspection by the Department on February 24, 2026. Based on these examinations, it is the opinion of the Department that the areas inspected appear to meet the minimum requirements of Wisconsin Administrative Code ch SPS 83 for the installation of the following type(s) of system(s):

Site suitable for a mound soil absorption component to serve proposed business (20 employees and 1 floor drain) with daily wastewater flow of 427.5 gpd, designed for 450 gpd and a soil loading rate of 0.6 gpd/sq ft. Maintain mound site and 15' downslope in natural condition. No compaction, excavation, disturbance, or vehicular traffic allowed.

The final system design must comply with all State and County code criteria, including a minimum of three soil pits per system area.

The above opinion is advisory only. Any disturbance to the area investigated, including compaction, excavation, refilling, or removal of soil, will invalidate this opinion. The Department reserves the right to require a new soil morphological evaluation as may become necessary to ensure compliance with all applicable codes prior to issuing a sanitary permit.

Sincerely,

Molly Young, Sanitarian
Environmental Health Division



SOIL EVALUATION REPORT

#2685

Department of Safety and Professional Services
Division of Safety and Buildings

Page 1 of 4
Levake Soil Testing, LLC

in accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County
Parcel I.D. 0612-032-8701-0
Reviewed By _____ Date _____

Property Owner Buyer: _____ Owner: Michael and Nancy Barth	Property Location Govt. Lot NW1/4, NW1/4, S3, T6N, R12E
Property Owner's Mailing Address P.O. Box 526 N4475 Wolff Rd	Lot # _____ Block # _____ Subd. Name or CSM# _____
City Cambridge State WI Zip Code 53523 Phone Number 608-938-8624	<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town Nearest Road <u>Christiana</u> State Hwy 73

New Construction Use: Residential / Number of bedrooms _____ Code derived design flow rate 450 GPD
 Replacement Public or commercial - Describe: Landscape office and sales

Parent material _____ Flood plain elevation, if applicable NA ft.

General comments and recommendations: Site passes for a mound system with 15" of sand.

1 Boring # Boring Pit Ground surface elev. 99.2 ft. Depth to limiting factor 30 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									*Eff#1	*Eff#2
1	0-9	10YR 3/2	---	sil	2mgr	mfr	cs	3f	0.6	0.8
2	9-20	7.5YR 4/6	---	scl	2msbk	mfr	cs	2f	0.4	0.6
3	20-30	7.5YR 4/6	---	ls	0m	ml	cs	1f	0.7	1.6
4	30-45	7.5YR 4/6	f1f 7.5YR 5/8 10YR 7/2	scl	1fsbk	mfr	cs	---	0.2	0.3
5	45-55	10YR 4/2	c2d 7.5YR 5/8 10YR 7/2	sic	1msbk	mfr	---	---	0.0	0.0

2 Boring # Boring Pit Ground surface elev. 99 ft. Depth to limiting factor 21 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									*Eff#1	*Eff#2
1	0-11	10YR 3/2	---	sil	2mgr	mfr	cs	3f	0.6	0.8
2	11-21	7.5YR 4/6	---	scl	2msbk	mfr	cs	2f	0.4	0.6
3	21-36	7.5YR 4/6	f1f 7.5YR 5/8 10YR 7/2	scl	1fsbk	mfr	cs	---	0.2	0.3
4	36-42	7.5YR 4/6	f1f 7.5YR 5/8 10YR 7/2	ls	0m	mfr	---	---	0.7	1.6

* Effluent #1 = BOD₅ > 30 < 220 mg/L and TSS > 30 < 150 mg/L

* Effluent #2 = BOD₅ < 30 mg/L and TSS < 30 mg/L

CST Name (Please Print) Jeffrey T. Levake	Signature:	CST Number 223322
Address Levake Soil Testing, LLC P.O. Box 568 Lake Mills, WI 53551	Date Evaluation Conducted <u>2/24/2026</u> 3/3/2026	Telephone Number 920-988-7567

3 Boring # Boring Pit
 Ground surface elev. 100.3 ft. Depth to limiting factor 31 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
1	0-9	10YR 3/2	---	sil	2mgr	mfr	cs	3f	0.6	0.8
2	9-24	7.5YR 4/6	---	scl	2msbk	mfr	cs	2f	0.4	0.6
3	24-31	7.5YR 4/6	---	ls	0m	ml	cs	1f	0.7	1.6
4	31-44	7.5YR 4/6	f1f 7.5YR 5/8 10YR 7/2	ls	0m	ml	cs	---	0.7	1.6
5	44-50	7.5YR 4/6	c2d 7.5YR 5/8 10YR 7/2	d	1fsbk	mfr	---	---	0.2	0.3

Boring # Boring Pit
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2

Boring # Boring Pit
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

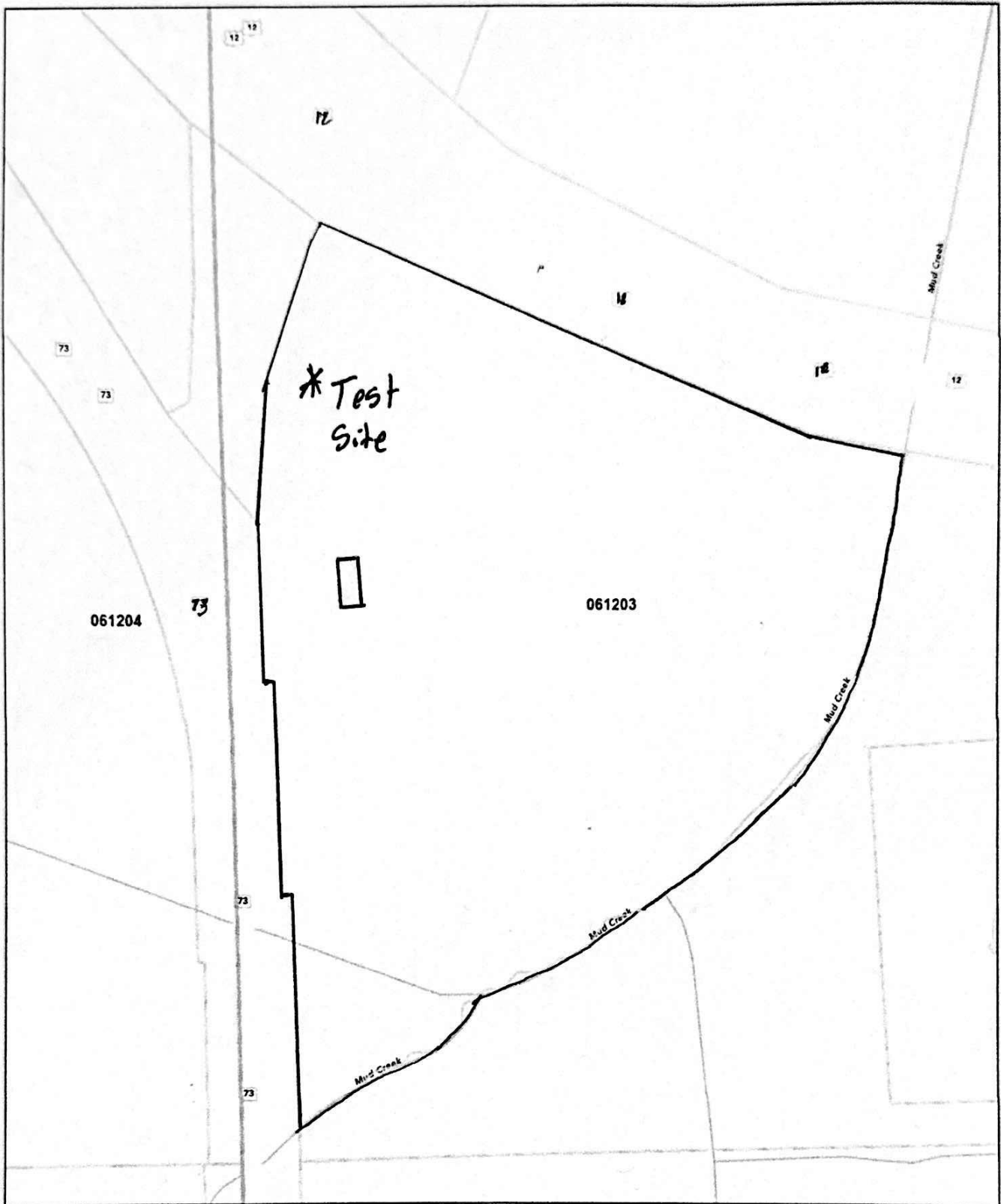
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2

* Effluent #1 = BOD₅ > 30 < 220 mg/L and TSS > 30 < 150 mg/L





* Effluent #2 = BOD₅ < 30 mg/L and TSS < 30 mg/L

The Department of Safety and Professional Services is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, contact the department at 608-266-3151 or TTY through Relay.

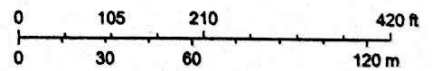
ArcGIS Web Map



2/26/2026, 10:08:05 PM

-  Building Footprint
-  Survey Townships
-  Sections
-  Parcels

1:2,257



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



Levake Soil Testing
 P.O.Box 568
 Lake Mills, WI 53551

System Elevations: Surface +15"

Benchmark: $\blacktriangle = 100.0'$
At top of lot marker

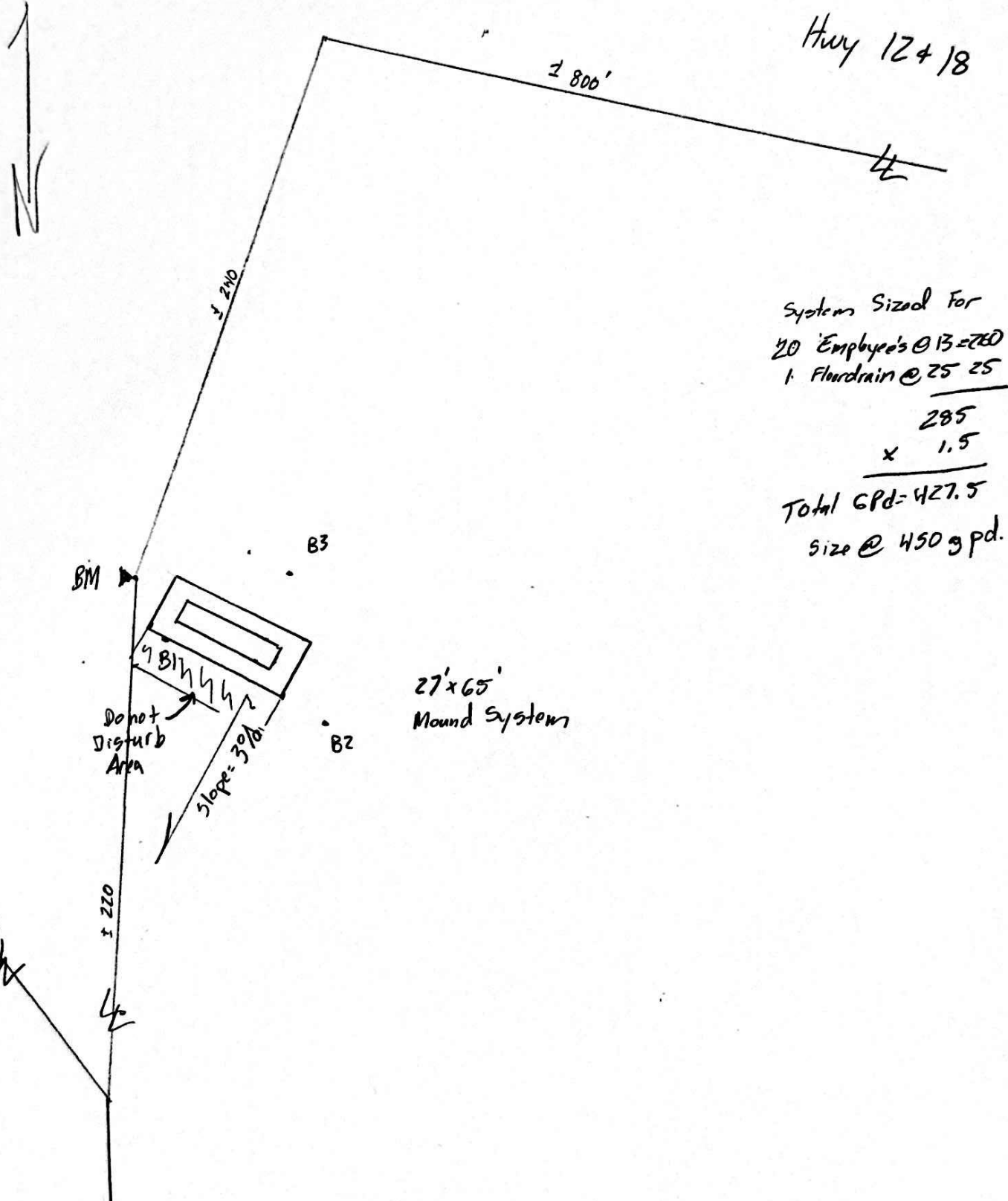
Boring Elevations: B1 = 99.2' B3 = 160.3' B5 _____
 B2 = 99' B4 _____ B6 _____

Note: No Wells Within 50' Of Test Site.

Scale: 1" = 60'

Property Owner: Barth
 Property Location: 3140 Hwy 73
NW 1/4, NW 1/4, S3, T6N, R12E Town of Christiansburg

LEVAK SOIL TESTING



System Sized For
 20 Employees @ 13 = 260
 1. Flourdrian @ 25 25
285
 x 1.5
427.5
 Total GPD = 427.5
 size @ 450 gpd.

Hwy 73