SOIL EVALUATION

FOR A PRIVATE ONSITE WASTE TREATMENT SYSTEM (POWTS)

LEGAL DESCRIPTION

NE-NE,S15,T24N-R19E
VILLAGE OF HOBART
BROWN COUNTY
WISCONSIN

Lot 1 Pre-CSM

6350 Nero Lane
Sobieski, WI 54171
Phone: 920-822-9918
Fax: 920-822-9937
Email: email@georgeandholdt.com
Web: georgeandholdt.com

SUGGESTED POWTS COMPONENT

- ☐ In-Ground Conventional
- ☐ Pressurized In-Ground
- ☐ Mound w/<24" to Limitation
- ☐ Mound w/24"+ to Limitation
- ☒ At-Grade
- ☐ Holding Tank
- ☐ Pre-Treated
- ☐ Individual Site Design Requirement
- ☐ Interpretive Soil Report

Date: 11-05-2020

Wisconsin Department of Safety and Professional Services
Division of Industry Services

SOIL EVALUATION REPORT

In accordance with SPS 385, 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	
BROWN	
Parcel I.D.	
Reviewed by	Date

Property Owner	Property Location ☒ ☐		
[redacted]	Govt. Lot NE ¼ NE ¼ S 15 T 24 N, R 19 E (or) W		
Property Owner's Mailing Address	Lot # 1	Block # NA	Subd. Name or CSM# PRE-CSM (Attached)
City / State / Zip Code / Phone Number	☐ City	☒ Village HOBART	☐ Town / Nearest Road OAK RIDGE DRIVE

☒ New Construction Use: ☒ Residential / Number of bedrooms 4 Code derived design flow rate 600 GPD
☐ Replacement ☐ Public or commercial – Describe: _____
Parent material DENSE GLACIAL TILL Flood Plan elevation if applicable NA ft.
General comments and recommendations: -Suggest an AT-GRADE Component. *See page 3 for site and design details.

1 Boring # ☐ Boring ☒ Pit Ground surface elev. 106.58 ft. Depth to limiting factor >71 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft² *Eff#1	*Eff#2
Ap	0-8	10YR3/2	NONE	FSL	2MGR	MVFR	AS	2F	0.40	0.80
Bs	5-12	7.5YR4/4	NONE	FSL	2FSBK	MFR	CW	2F	0.40	0.80
E'	12-15	7.5YR6/2	NONE	FSL	2FSBK	MFR	CW	2F	0.40	0.80
Bt	15-37	7.5YR4/4	NONE	SL	2MSBK	MFR	CW	1F	0.60	1.00
C	37-71	7.5YR6/6	NONE	SL	MSV**	MFI	—	—	0.20	0.60
			**Densic Till							
			Backhoe Pit							

2 Boring # ☐ Boring ☒ Pit Ground surface elev. 107.18 ft. Depth to limiting factor >66 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft² *Eff#1	*Eff#2
Ap	0-8	10YR3/2	NONE	FSL	2MGR	MVFR	AS	2M	0.40	0.80
Bs	8-11	7.5YR4/4	NONE	FSL	2FSBK	MFR	CW	2M	0.40	0.80
E'	11-16	7.5YR6/2	NONE	FSL	2FSBK	MFR	CW	2M	0.40	0.80
Bt	16-36	7.5YR4/4	NONE	SL	2MSBK	MFR	CW	1M	0.60	1.00
C	36-66	7.5YR6/6	NONE	SL	MSV**	MFI	—	—	0.20	0.60
			**Densic Till							
			Backhoe Pit							

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

CST Name (Please Print)	Signature	CST Number
DAVE GEORGE / GEORGE & HOLDT LLC		#221191
Address	Date Evaluation Conducted	Telephone Number
6350 NERO LANE, SOBIESKI, WI 54171	11-05-2020	920-822-9918 (Office) 920-366-0655 (Cell)

3 Boring # ☒ Boring ☐ Pit Ground surface elev. 108.82 ft. Depth to limiting factor >55 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft² *Eff#1	Soil Application Rate GPD/Ft² *Eff#2
Ap	0-7	10YR3/2	NONE	FSL	—	—	—	—	0.40	0.80
Bs	7-12	7.5YR4/4	NONE	FSL	—	—	—	—	0.40	0.80
E'	12-16	7.5YR6/2	NONE	FSL	—	—	—	—	0.40	0.80
Bt	16-38	7.5YR4/4	NONE	SL	—	—	—	—	0.60	1.00
C	38-55	7.5YR6/6	NONE	SL**	—	—	—	—	0.20	0.60
			*Densic Till							

4 Boring # ☒ Boring ☐ Pit Ground surface elev. 108.49 ft. Depth to limiting factor >53 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft² *Eff#1	Soil Application Rate GPD/Ft² *Eff#2
Ap	0-7	10YR3/2	NONE	FSL	—	—	—	—	0.40	0.80
Bs	7-11	7.5YR4/4	NONE	FSL	—	—	—	—	0.40	0.80
E'	11-15	7.5YR6/2	NONE	FSL	—	—	—	—	0.40	0.80
Bt	15-37	7.5YR4/4	NONE	SL	—	—	—	—	0.60	1.00
C	37-53	7.5YR6/6	NONE	SL**	—	—	—	—	0.20	0.60
			**Densic Till							

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

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft² *Eff#1	Soil Application Rate GPD/Ft² *Eff#2

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

Lot 1 Pre-CSM (Map Attached)
NE-NE, S15, T24N-R19E, Village of Hobart, Brown County, Wisconsin

Department of Safety and Professional Services (DSPS), Division of Safety and Buildings

Additional Comments and Design Suggestions

Site Comments:

The test area consists of a well-drained but very dense glacial till deposits. Soil solum depths are typically ~36-38" deep. Underlying the solum are very dense deposits of massive sandy loam. The dense till fabric will pose a permeability limitation and therefore we are strongly recommending the use of an AT-GRADE type POWTS vs. an IN-GROUND type POWTS. Deep excavator pits did not reveal sandy outwash material below the dense till fabric.

Suggested Design Parameters and Additional Comments

- Number of Occupants: 3
- Design Soil Loading Rate: 0.4 gpd/ft^2 (1500 square feet of absorption area)
- The test areas should remain free of any further disturbance; no heavy equipment traffic, **no filling, cutting, or grading should take place in or around the proposed POWTS system area.**
- ***The absorption system should be installed when soil conditions are dry.***
- ***It is the responsibility of the owner and septic contractor to know where the proposed POWTS site is and to ensure that the site is not compromised (filling, grading, compaction or vehicle and equipment traffic, etc.)***

AFTER THE SYSTEM IS INSTALLED/ SUGGESTED MAINTENANCE

(These recommendations are given regardless of the system type)

1) Pump the septic tank on an annual basis if there are 4 or more occupants.

2) Stagger laundry days, i.e.: do a load or 2 on one day and then again, a day or two later. Avoid shocking the system by doing numerous loads of laundry in one day.

3) Have a water management plan; do not allow 30-minute showers, etc.

4) Avoid using a garbage disposal (this increases BOD and TSS up to 30%)

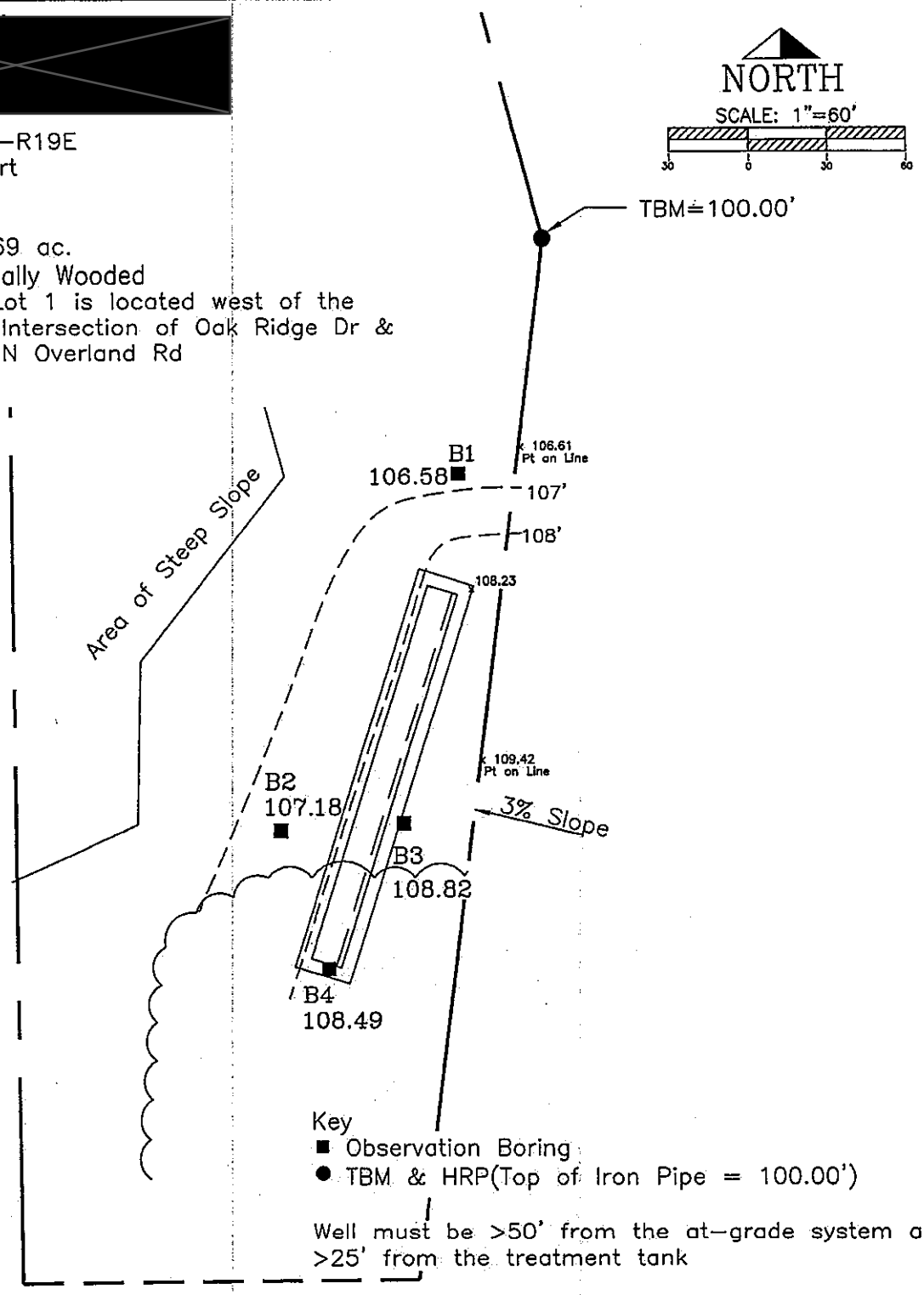
5) Use high capacity hot tubs, spa tubs, etc. sparingly.

6) Do not dispose of medications by flushing them into the system.

[redacted]

NE,NE,S15,T24N–R19E
Village of Hobart
Brown County

Parcel Size: 2.69 ac.
Land Use: Partially Wooded
Site Location: Lot 1 is located west of the Intersection of Oak Ridge Dr & N Overland Rd



Key
■ Observation Boring
● TBM & HRP(Top of Iron Pipe = 100.00')

Well must be >50' from the at–grade system and >25' from the treatment tank

House must be >10' from the at–grade system

OAK RIDGE DRIVE

WISCONSIN
DAVID A. GEORGE
GREEN BAY WIS.
CERTIFIED SOIL TESTER

GEORGE & HOLDT- SOIL CONSULTANTS LLC
6350 Nero Lane
Sobieski, WI 54171
(920)822–9918
georgeandholdt.com
DAVID A. GEORGE AARON HOLDT

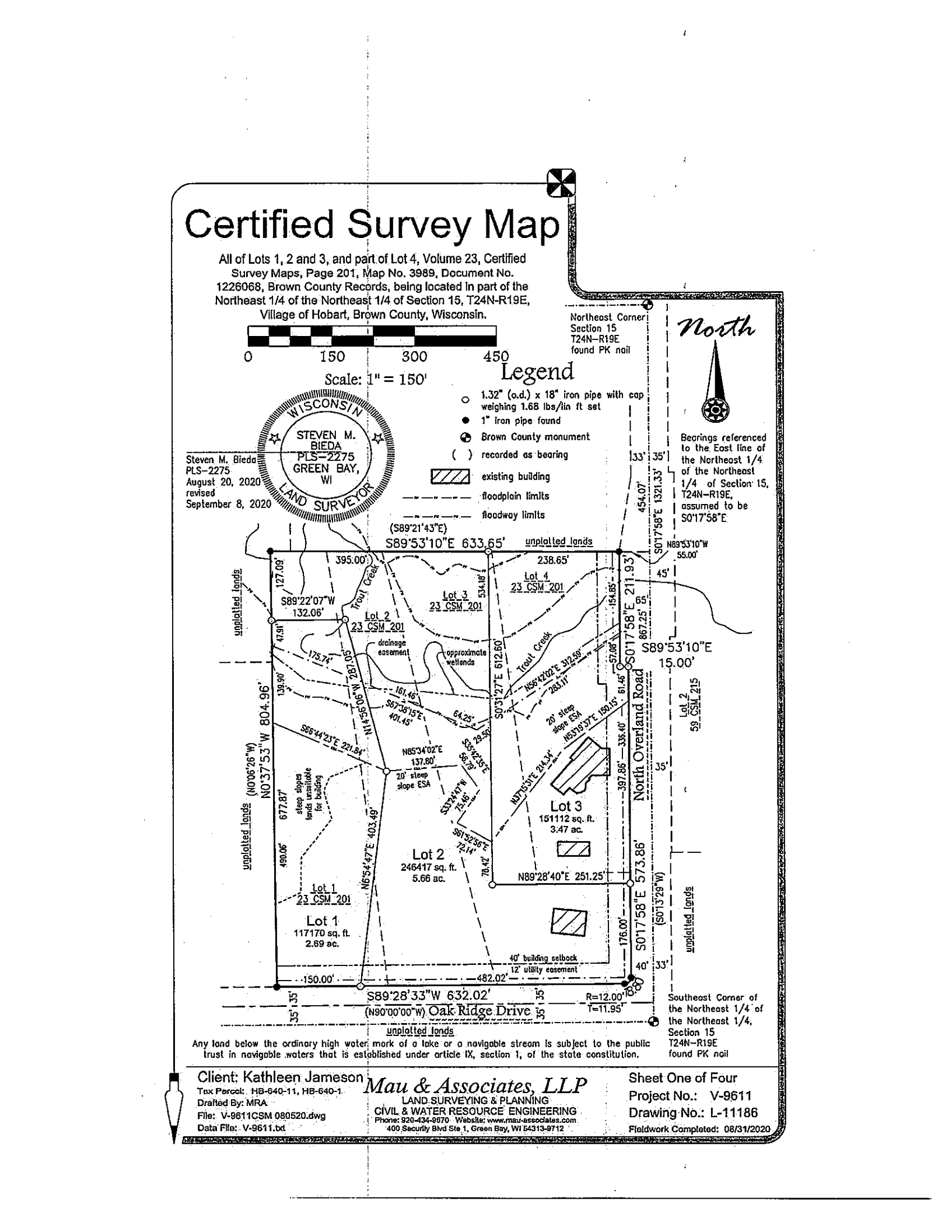
ACLT Drawing #20–6103

Certified Survey Map

All of Lots 1, 2 and 3, and part of Lot 4, Volume 23, Certified Survey Maps, Page 201, Map No. 3989, Document No. 1226068, Brown County Records, being located in part of the Northeast 1/4 of the Northeast 1/4 of Section 15, T24N-R19E, Village of Hobart, Brown County, Wisconsin.

0 150 300 450

Scale: 1" = 150'



Any land below the ordinary high water mark of a lake or a navigable stream is subject to the public trust in navigable waters that is established under article IX, section 1, of the state constitution.

Client: Kathleen Jameson
Tax Parcel: HB-640-11, HB-640-1
Drafted By: MRA
File: V-9611CSM 080520.dwg
Data File: V-9611.txt

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Sheet One of Four
Project No.: V-9611
Drawing No.: L-11186
Fieldwork Completed: 08/31/2020