

Permit number

Windemere

Township

PROPERTY #1

**SEWAGE TREATMENT SYSTEM
SITE EVALUATION**

Complete ONE (1) form per proposed parcel

PROPERTY OWNER:
PROPERTY ADDRESS:

Mossberg

36196 Shoreland Rd
Sturgeon Lake MN 55783

LEGAL DESCRIPTION:

Govt Lot 4 (Proposed) Split of PID 330 30400

SECTION: 8

TOWNSHIP: 45

RANGE: 19

DATE: June 13, 2014

TIME: 1:15 pm

Weather Conditions: Sunny 75

Are there two (2) acceptable sites that would support Type I septic systems? Yes or No

Check all that apply: Shoreland Dwelling In Wellhead Protection Area Class V
 Food, Beverage, or Lodging Establishment New Existing

Soil Classification:

Unsuitable/Disturbed/Compacted: Yes or No

Type of Observation: Pit Auger

Vegetation Type: Wet Dry Unknown

Drainage (select one): Good Fair Poor Ponding Flooding

Floodplain: Yes or No

Soil Boring Information (complete 3 soils observations per site and record on the attached Soil Observation Logs):

Depth Information	Site #1	Site #2
Standing water:	<u>18</u> inches	<u>19</u> inches
Bedrock:	<u>N/A</u> inches	<u>N/A</u> inches
Saturated soil:	<u>8"</u> inches	<u>9"</u> inches

Indicate N/A if not applicable

Soil Observation Logs attached
 Site Evaluation Maps on other side and attached
Additional Notes: _____

I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

Date: June 15, 2014

Signature: [Signature]

License #: 42838

Address: 4390 Old Co Rd & Moose Lake MN 55767

Phone #: 218 340 9507

FOR OFFICE USE ONLY

DATE _____ APPROVED DENIED BY _____

REMARKS _____

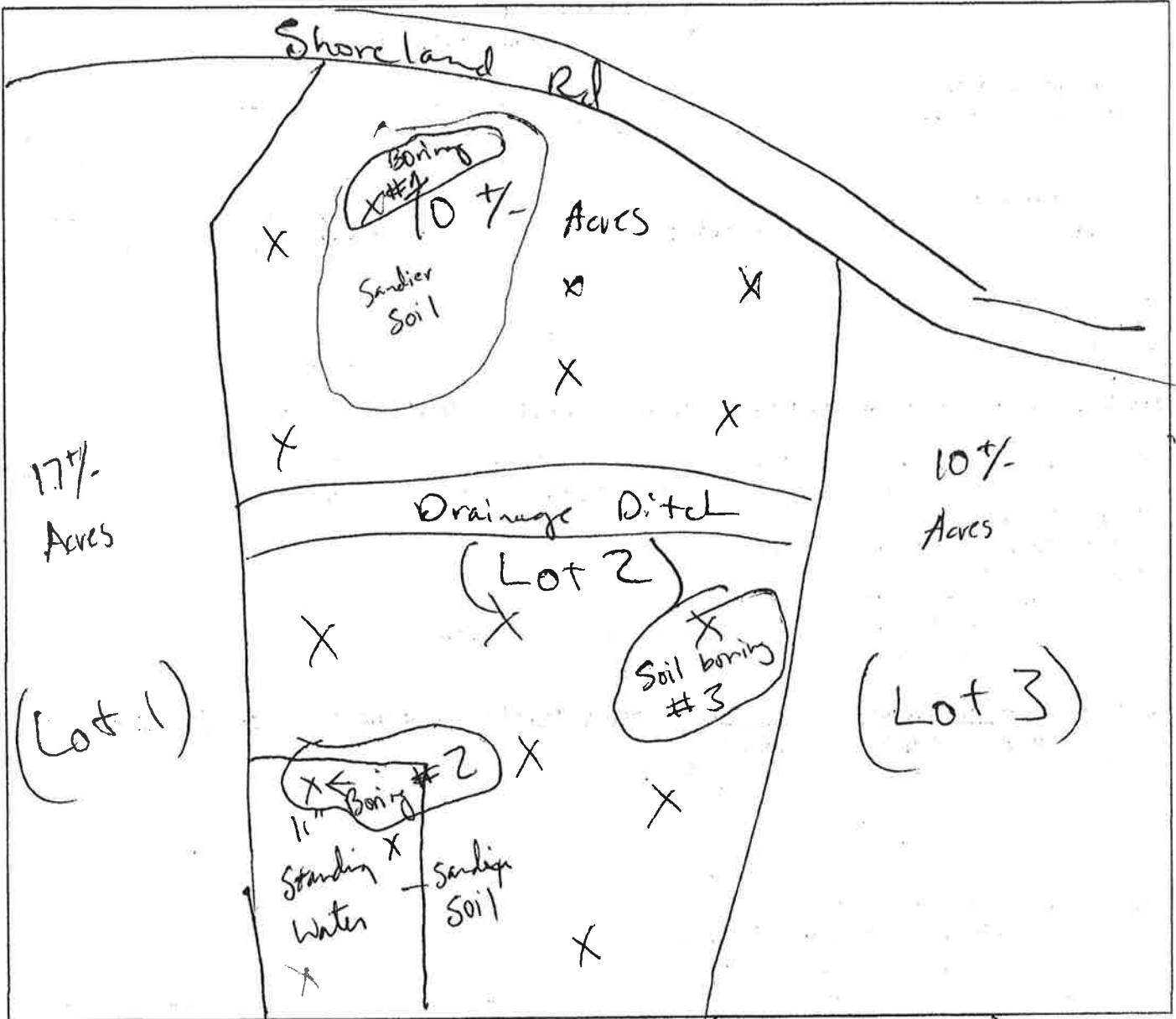
C/T _____ PLAT _____ PARCEL _____

SEWAGE TREATMENT SYSTEM SITE EVALUATION

Designer: Tory Johnson

List any construction issues: _____

SEWAGE TREATMENT SYSTEM SITE MAP



MAPPING CHECKLIST:

- | | | |
|---|--|---|
| <input type="checkbox"/> Dimensions of lot | <input type="checkbox"/> North directional arrow | <input type="checkbox"/> Property line setbacks |
| <input type="checkbox"/> Location of all existing structures and setbacks | <input type="checkbox"/> Unsuitable areas | <input type="checkbox"/> Soil observation locations |
| <input type="checkbox"/> Location of easements and utilities including phone, electric, natural gas and roads | <input type="checkbox"/> Slope % and direction | <input type="checkbox"/> Water supply wells if within 100 feet |
| <input type="checkbox"/> Site #1 | <input type="checkbox"/> Site #2 | <input type="checkbox"/> Setback from floodway and flood fringe |
| <input type="checkbox"/> Existing system(s) | <input type="checkbox"/> Pumping access | |
| <input type="checkbox"/> Non-community transient supply well if within 200 feet | | |
| <input type="checkbox"/> Setback from OHWL of streams, rivers and lakes | | |

(x pit locations)

OSTP Soil Observation Log

Project ID:

v 05.13.14

Client/ Address:

mossberg

Legal Description/ GPS:

Soil parent material(s): (Check all that apply)

- Summit
- Shoulder
- Back/Side Slope
- Foot Slope
- Toe Slope
- Slope shape
- Outwash
- Lacustrine
- Loess
- Till
- Alluvium
- Bedrock
- Organic Matter

Landscape Position: (check one)

Vegetation

dry

Soil survey map units

Slope%

8.0

Elevation:

Weather Conditions/Time of Day:

Date

Observation #/Location:

Proposed lot #3 (see attached)

Observation Type:

Soil Pit

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		
							Shape	Grade	Consistence
0 to 8	Loam		10YR 2/2				Granular	Moderate	Friable
8 to 14	Loamy Sand		10YR 4/6	2.5YR 7/2	Depletions		Granular	Moderate	Friable
14 to 21	Sandy Clay Loam	<35%	7.5YR 4/4				Massive	Strong	Extremely Firm

Comments

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

#REF1

#REF1

#REF1

#REF1

#REF1

(Designer/Inspector)

(Signature)

(License #)

(Date)

Additional Soil Observation Logs

Project ID: #REF!

Client/ Address:

Legal Description/ GPS:

Soil parent material(s): (Check all that apply)

- Outwash Lacustrine Loess Till Alluvium Bedrock Organic Matter

Landscape Position: (check one)

- Summit Shoulder Back/Side Slope Foot Slope Toe Slope

Vegetation

Soil survey map units

Slope%

Elevation:

Weather Conditions/Time of Day:

Date

Observation #/Location:

see attached

Observation Type:

Depth (in)

Texture

Rock Frag. %

Matrix Color(s)

Mottle Color(s)

Redox Kind(s)

Indicator(s)

Shape

Grade

Consistence

0 to 8

Loam

10YR 2/2

Granular

Moderate

Friable

8 to 15

Loamy Sand

10YR 4/6

2.5YR 7/2

Depletions

Granular

Moderate

Friable

15 to 20

Sandy Clay Loam

7.5YR 4/4

2.5YR 4/8

Concentrations

Massive

Strong

Extremely Firm

Comments

Observation #/Location:

see attached

Observation Type:

Depth (in)

Texture

Rock Frag. %

Matrix Color(s)

Mottle Color(s)

Redox Kind(s)

Indicator(s)

Shape

Grade

Consistence

0 to 9

Loam

10YR 2/2

2.5YR 4/8

Concentrations

T5

Granular

Moderate

Friable

9 to 18

sandy clay loam

10YR 4/4

2.5YR 7/2

Depletions

S1

Massive

Strong

Extremely Firm



Permit number
Windlener
Township

PROPERTY #2

SEWAGE TREATMENT SYSTEM SITE EVALUATION Complete ONE (1) form per proposed parcel

PROPERTY OWNER: Mossberg
PROPERTY ADDRESS: 36196 Shoreland Rd
Sturgeon Lake MN 55783

LEGAL DESCRIPTION: Govt Lot 4 (Proposed split) of PID 3303040
SECTION: 8 TOWNSHIP: 45 RANGE: 19

DATE: June 13, 2014 TIME: 1:45 pm

Weather Conditions: Sunny 75°

Are there two (2) acceptable sites that would support Type I septic systems? Yes or No

Check all that apply: Shoreland Dwelling In Wellhead Protection Area Class V
 Food, Beverage, or Lodging Establishment New Existing

Soil Classification:

Unsuitable/Disturbed/Compacted: Yes or No
Type of Observation: Pit Auger
Vegetation Type: Wet Dry Unknown
Drainage (select one): Good Fair Poor Ponding Flooding
Floodplain: Yes or No

Soil Boring Information (complete 3 soils observations per site and record on the attached Soil Observation Logs):

Depth Information	Site #1	Site #2
Standing water:	<u>21</u> inches	<u>1/1</u> inches
Bedrock:	<u>-</u> inches	<u>-</u> inches
Saturated soil:	<u>9"</u> inches	<u>9"</u> inches

Indicate N/A if not applicable

Soil Observation Logs attached
 Site Evaluation Maps on other side and attached
Additional Notes: _____

I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

Date: June 15, 2014
Signature: [Signature] License #: L2838
Address: 4390 Old Co Rd S Moose Lake MN 55761 Phone #: 218 340 9507

FOR OFFICE USE ONLY

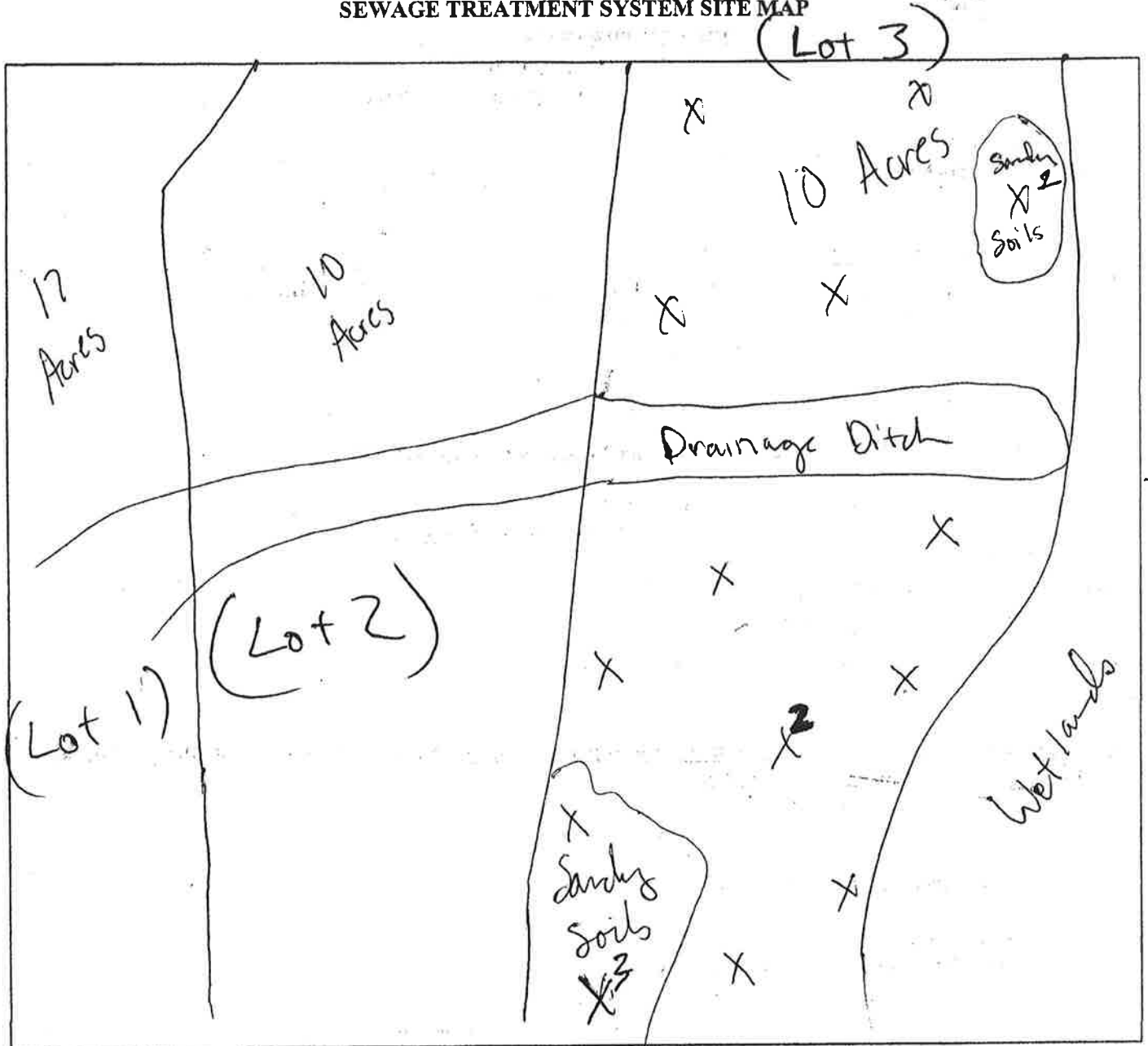
DATE _____ APPROVED DENIED BY _____
REMARKS _____
C/T _____ PLAT _____ PARCEL _____

SEWAGE TREATMENT SYSTEM SITE EVALUATION

Designer: Tory Johnson

List any construction issues: _____

SEWAGE TREATMENT SYSTEM SITE MAP



MAPPING CHECKLIST:

- | | | |
|---|---|---|
| <input type="checkbox"/> Dimensions of lot | <input type="checkbox"/> North directional arrow | <input type="checkbox"/> Property line setbacks |
| <input type="checkbox"/> Location of all existing structures and setbacks | <input type="checkbox"/> Location of easements and utilities including phone, electric, natural gas and roads | <input type="checkbox"/> Unsuitable areas |
| <input type="checkbox"/> Site #1 | <input type="checkbox"/> Site #2 | <input type="checkbox"/> Soil observation locations |
| <input type="checkbox"/> Existing system(s) | <input type="checkbox"/> Pumping access | <input type="checkbox"/> Slope % and direction |
| <input type="checkbox"/> Non-community transient supply well if within 200 feet | <input type="checkbox"/> Setback from OHWL of streams, rivers and lakes | <input type="checkbox"/> Water supply wells if within 100 feet |
| | | <input type="checkbox"/> Setback from floodway and flood fringe |

OSTP Soil Observation Log

Project ID:

v 05.13.14

Client/ Address: mossberg

Legal Description/ GPS:

Soil parent material(s): (Check all that apply)

- Summit
- Outwash
- Lacustrine
- Loess
- Till
- Alluvium
- Bedrock
- Organic Matter

Landscape Position: (check one)

- Summit
- Shoulder
- Back/Side Slope
- Foot Slope
- Toe Slope
- Slope shape

Vegetation

dry

Soil survey map units

Slope%

8.0

Elevation:

Weather Conditions/Time of Day:

Date

Observation #/Location: proposed lot #3 (see attached)

Observation Type:

Soil Pit

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure-----		
							Shape	Grade	Consistence
0 to 8	Loam		10YR 2/2				Granular	Moderate	Friable
8 to 14	Loamy Sand		10YR 4/6	2.5YR 7/2	Depletions		Granular	Moderate	Friable
14 to 21	Sandy Clay Loam	<35%	7.5YR 4/4				Massive	Strong	Extremely Firm

Comments

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

#REF1 (Designer/Inspector)

#REF1 (Signature)

#REF1 (License #)

#REF1

#REF1 (Date)

Additional Soil Observation Logs

Project ID: #REF!

Client/ Address:

Legal Description/ GPS:

Soil parent material(s): (Check all that apply)

- Outwash Lacustrine Loess Till Alluvium Bedrock Organic Matter

Landscape Position: (check one)

- Summit Shoulder Back/Side Slope Foot Slope Toe Slope

Vegetation

Soil survey map units

Slope%

Elevation:

Weather Conditions/Time of Day:

Date

Observation #/Location:

see attached

Observation Type:

Structure

Depth (in)

Texture

Rock Frag. %

Matrix Color(s)

Mottle Color(s)

Redox Kind(s)

Indicator(s)

Shape

Grade

Consistence

0 to 9

Loam

10YR 2/2

2.5YR 4/8

Concentrations

T5

Granular

Moderate

Friable

9 to 18

sandy clay loam

10YR 4/4

Massive

Strong

Extremely Firm

Comments

Observation #/Location:

see attached

Observation Type:

Structure

Depth (in)

Texture

Rock Frag. %

Matrix Color(s)

Mottle Color(s)

Redox Kind(s)

Indicator(s)

Shape

Grade

Consistence

0 to 8

Loam

10YR 2/2

Granular

Moderate

Friable

8 to 14

Loamy Sand

10YR 4/6

2.5YR 7/2

Depletions

Granular

Moderate

Friable

14 to 21

Sandy Clay Loam

<35%

7.5YR 4/4

Massive

Strong

Extremely Firm