

JACOBSON PRECAST CONCRETE, LLC

July 15, 2016

Mr. Corey Hower

Minnesota Pollution Control Agency

520 La Fayette Rd. N.

St. Paul, MN 55155-4194

Mr. Hower;

New Septic, Pump and Holding Tank Approval:

At this time we would like to approve the following tanks for 6 ft of cover. Testing has been done and certified under the Engineering from Hawkinson Engineering. Tanks for approval are:

520P, 520OH

760P, 760 OH

1000S, 1000P, 1000H, 1000 2H

1500S, 1500P, 1500H, 15002H

1650SP, 1650SS, 1650H, 1650SSMH, 1650HMH,

We also submit approval for our, tank for 5 ft of cover.

1820 SP, 1820SS 1820H, 1820SSMH, 1820HMH

Current tanks to be kept:

1650 SP To be Named- 1650 FSP

1820 SP To be Named- 1820 FSP

1000 S To be Named - 1000 OS

Thank You,

Jacobson Precast Concrete

Gordon L. Forsberg



Detailed Parcel Report

Parcel Number: 24-1-074300

General Information

Township/City: NORDLAND TWP
Taxpayer Name: SANDERS, DAVID W TRUST
Taxpayer Address: 30562 376TH AVE
AITKIN MN 56431
Property Address: 30558 376th Ave
Township: 46 Lake Number: 1012300
Range: 26 Lake Name: ELM ISLAND LAKE
Section: 21 Acres: 0.00
Green Acres: No School District: 1.00
Plat: LEEHAVEN
Brief Legal Description: LOT 4

Tax Information

Class Code 1: Residential 1-3 units Previously SRR
Class Code 2: Unclassified
Class Code 3: Unclassified
Homestead: Owner Homestead
Assessment Year: 2020

Estimated Land Value:	\$59,000.00
Estimated Building Value:	\$46,700.00
Estimated Total Value:	<u>\$105,700.00</u>
Prior Year Total Taxable Value:	\$102,700.00
Current Year Net Tax (Specials Not Included):	\$914.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$457.00
Delinquent Taxes:	No

* For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.

** Balance Due on a parcel does not include late payment penalties.



Detailed Parcel Report

Parcel Number: 24-1-074200

General Information

Township/City: NORDLAND TWP
Taxpayer Name: SANDERS, DAVID W TRUST
Taxpayer Address: 30562 376TH AVE
AITKIN MN 56431
Property Address: 30548 376th Ave
Township: 46 Lake Number: 1012300
Range: 26 Lake Name: ELM ISLAND LAKE
Section: 21 Acres: 0.00
Green Acres: No School District: 1.00
Plat: LEEHAVEN
Brief Legal Description: LOT 3

Tax Information

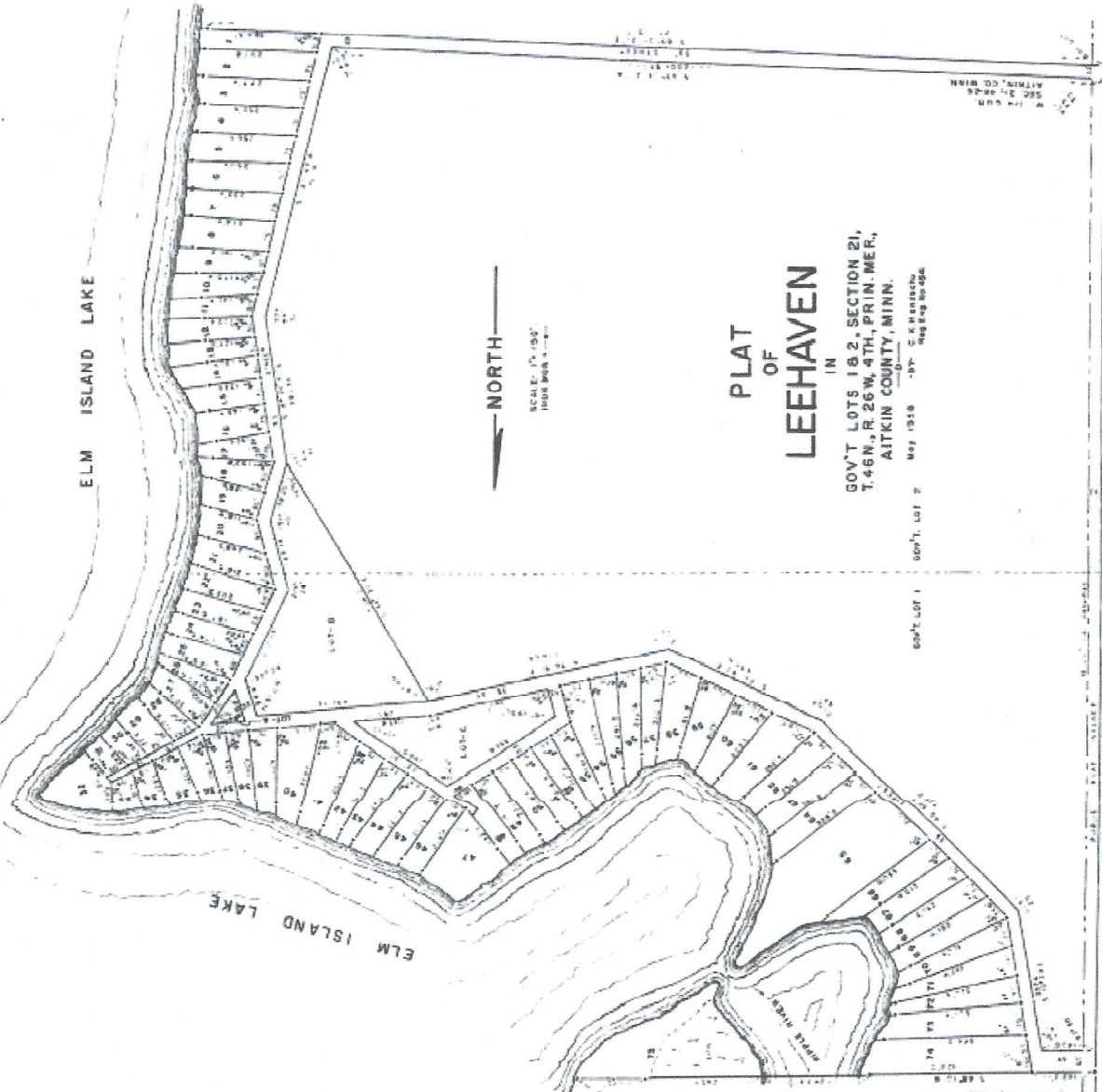
Class Code 1: Residential 1-3 units Previously SRR
Class Code 2: Unclassified
Class Code 3: Unclassified
Homestead: Owner Homestead
Assessment Year: 2020

Estimated Land Value:	\$42,000.00
Estimated Building Value:	\$500.00
Estimated Total Value:	<u>\$42,500.00</u>
Prior Year Total Taxable Value:	\$42,500.00
Current Year Net Tax (Specials Not Included):	\$422.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$211.00
Delinquent Taxes:	No

* For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.

** Balance Due on a parcel does not include late payment penalties.

ELM ISLAND LAKE



PLAT OF LEEHAVEN
 IN
 GOV'T LOTS 18.2, SECTION 21,
 T.46N., R.26W., 4TH, PRIN. MER.,
 AITKIN COUNTY, MINN.

GOV'T LOT 1
 GOV'T LOT 2
 MAY 1938
 S. K. HANCOCK
 REG. 849 NO. 624

PLAT E.P.D.C.

BEFORE ME, the undersigned authority, on this 21st day of May, 1938, personally appeared the following persons, known to me to be the persons whose names are subscribed to the foregoing plat, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Witness my hand and seal of office this 21st day of May, 1938.

Notary Public for the State of Minnesota

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

Notary Public for the State of Minnesota

Witness my hand and seal of office this 21st day of May, 1938.

Notary Public for the State of Minnesota

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

Notary Public for the State of Minnesota

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

Notary Public for the State of Minnesota

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

Notary Public for the State of Minnesota

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

Notary Public for the State of Minnesota

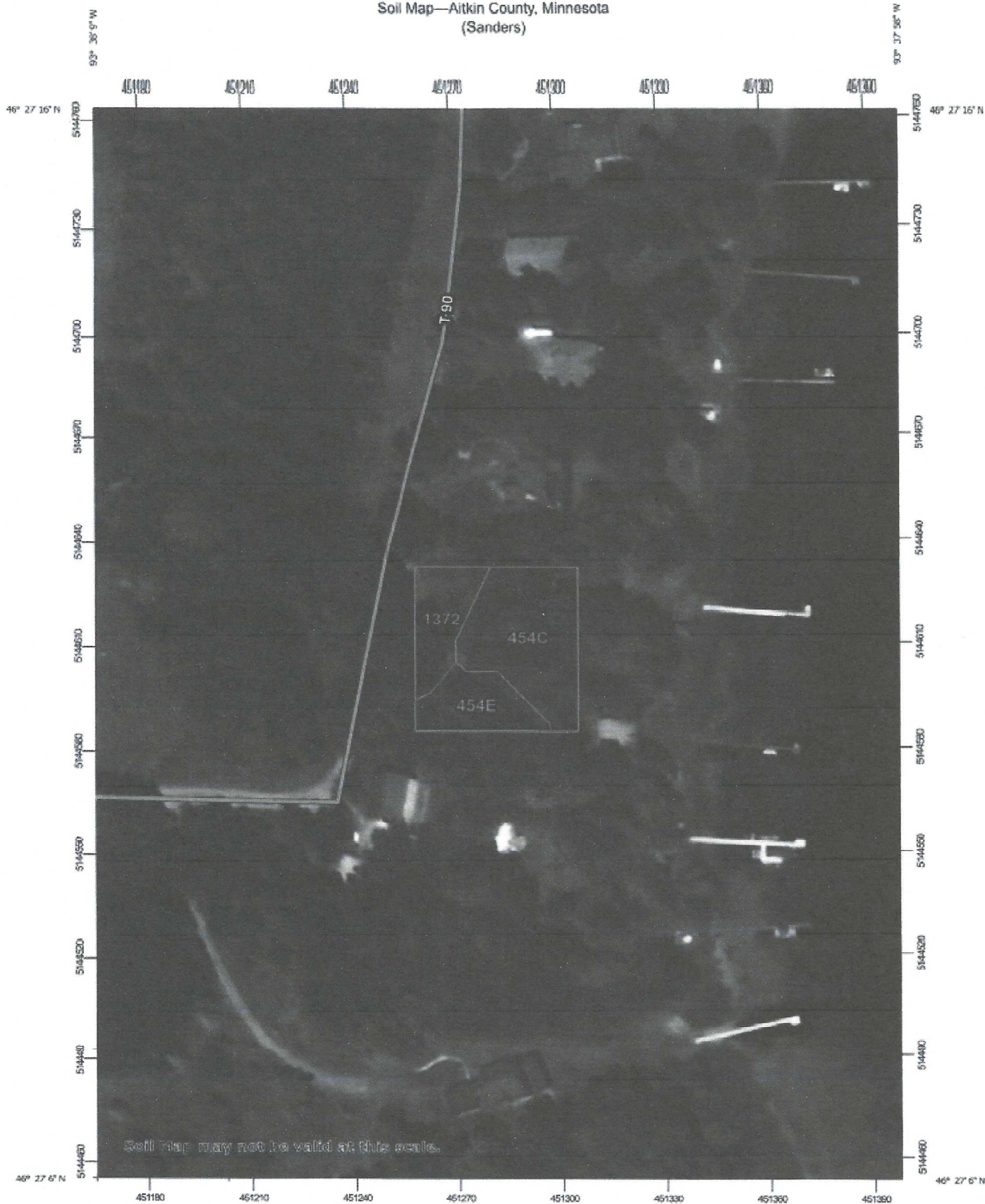
STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

Notary Public for the State of Minnesota

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the foregoing plat is a true and correct copy of the original plat on file in my office, and that the same was duly recorded in my office on this 21st day of May, 1938.

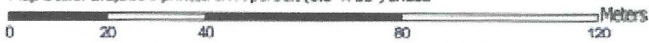
Notary Public for the State of Minnesota

Soil Map—Aitkin County, Minnesota
(Sanders)



Soil map may not be valid at this scale.

Map Scale: 1:1,500 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

Aitkin County, Minnesota

454C—Mahtomedi loamy coarse sand, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: gjgx
Elevation: 980 to 1,640 feet
Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F
Frost-free period: 120 to 140 days
Farmland classification: Not prime farmland

Map Unit Composition

Mahtomedi and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mahtomedi

Setting

Landform: Outwash plains
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy and gravelly outwash

Typical profile

A - 0 to 4 inches: loamy coarse sand
E - 4 to 17 inches: gravelly coarse sand
Bw - 17 to 38 inches: gravelly sand
C - 38 to 60 inches: gravelly sand

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Forage suitability group: Sandy (G090AN022MN)
Other vegetative classification: Sandy (G090AN022MN)

Hydric soil rating: No

Minor Components

Soils with more gravel

Percent of map unit: 2 percent

Hydric soil rating: No

Meehan and similar soils

Percent of map unit: 2 percent

Hydric soil rating: No

Newson and similar soils

Percent of map unit: 2 percent

Landform: Swales

Hydric soil rating: Yes

Soils with less gravel

Percent of map unit: 2 percent

Hydric soil rating: No

Leafriver and similar soils

Percent of map unit: 2 percent

Landform: Depressions

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Aitkin County, Minnesota

Survey Area Data: Version 21, Jun 4, 2020

Aitkin County, Minnesota

454E—Mahtomedi loamy coarse sand, 12 to 25 percent slopes

Map Unit Setting

National map unit symbol: gjgy
Elevation: 980 to 1,640 feet
Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F
Frost-free period: 120 to 140 days
Farmland classification: Not prime farmland

Map Unit Composition

Mahtomedi and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mahtomedi

Setting

Landform: Outwash plains
Landform position (two-dimensional): Shoulder, backslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy and gravelly outwash

Typical profile

A - 0 to 1 inches: loamy coarse sand
E - 1 to 14 inches: loamy coarse sand
Bw - 14 to 25 inches: gravelly sand
C - 25 to 60 inches: gravelly sand

Properties and qualities

Slope: 12 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Forage suitability group: Steep; Coarse Texture; Low AWC
(G090AN018MN)

Other vegetative classification: Steep; Coarse Texture; Low AWC
(G090AN018MN)
Hydric soil rating: No

Minor Components

Leafriver and similar soils

Percent of map unit: 2 percent
Landform: Depressions
Hydric soil rating: Yes

Soils with less gravel

Percent of map unit: 2 percent
Hydric soil rating: No

Meehan and similar soils

Percent of map unit: 2 percent
Hydric soil rating: No

Newson and similar soils

Percent of map unit: 2 percent
Landform: Swales
Hydric soil rating: Yes

Soils with more gravel

Percent of map unit: 2 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Aitkin County, Minnesota
Survey Area Data: Version 21, Jun 4, 2020

Aitkin County, Minnesota

1372—Wealthwood loamy fine sand

Map Unit Setting

National map unit symbol: gjdv
Elevation: 980 to 1,640 feet
Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F
Frost-free period: 120 to 140 days
Farmland classification: Not prime farmland

Map Unit Composition

Wealthwood and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wealthwood

Setting

Landform: Flats on lake plains
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Sandy outwash over loamy glaciolacustrine deposits

Typical profile

A - 0 to 4 inches: loamy fine sand
E,Bw,E' - 4 to 28 inches: loamy fine sand
2Btg1-2Btg3 - 28 to 42 inches: stratified sand to silty clay loam
2Cg1,2Cg2 - 42 to 60 inches: stratified sand to silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 6.00 in/hr)
Depth to water table: About 6 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Forage suitability group: Level Swale, Low AWC, Acid (G090AN007MN)
Other vegetative classification: Level Swale, Low AWC, Acid (G090AN007MN)

Hydric soil rating: Yes

Minor Components

Alban and similar soils

Percent of map unit: 5 percent

Hydric soil rating: No

Nemadji and similar soils

Percent of map unit: 4 percent

Hydric soil rating: No

Omega and similar soils

Percent of map unit: 4 percent

Hydric soil rating: No

Roscommon and similar soils

Percent of map unit: 2 percent

Landform: Depressions

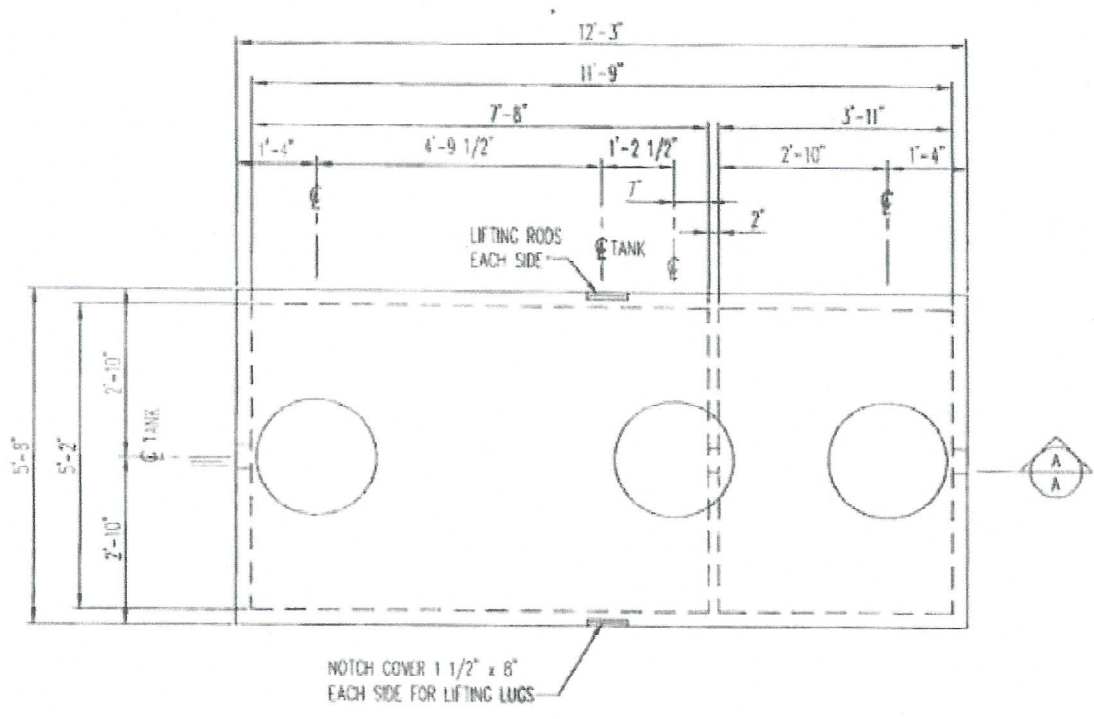
Hydric soil rating: Yes

Data Source Information

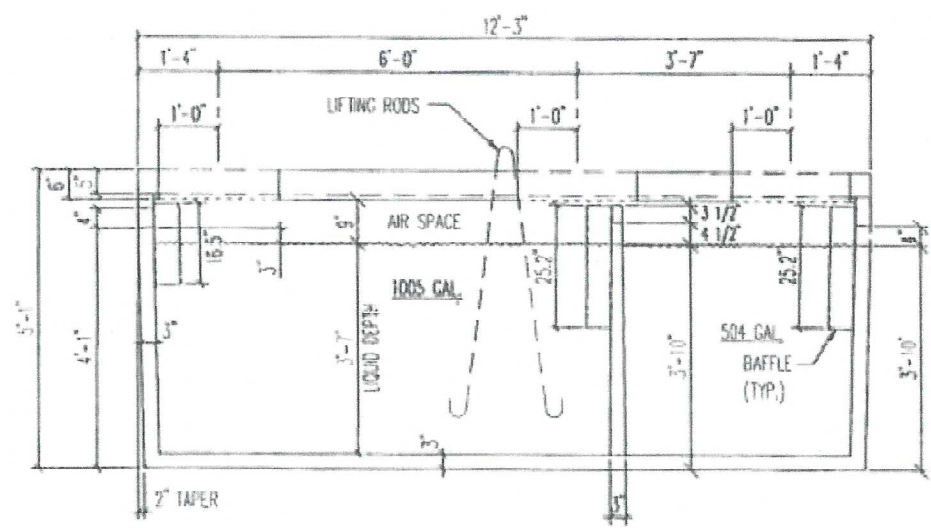
Soil Survey Area: Aitkin County, Minnesota

Survey Area Data: Version 21, Jun 4, 2020

Handwritten notes: A vertical list of soil codes (Alban, Nemadji, Omega, Roscommon) and a large signature 'W.P. [unclear]'.



1500 GALLON 2 COMP. TANK
 1/2" = 1'-0"



SECTION
 1/2" = 1'-0"

NOTE:
 1. PROVIDE MINIMUM 1" CLEAR BETWEEN TOP OF BAFFLE AND UNDERSIDE OF LID.

1500 GALLON 2 COMP. SEPTIC TANK
 (1500-2C)



WEIGHT=13,600#
 MAX. SOIL COVER= 7'-0"
 TOTAL LIQUID VOLUME= 1509 GAL.