

Dane County Conditional Use Permit Application

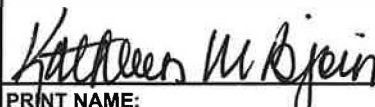
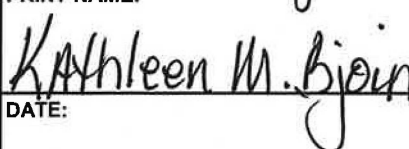
Application Date	C.U.P Number
05/21/2026	DCPCUP-2026-02715
Public Hearing Date	
07/28/2026	

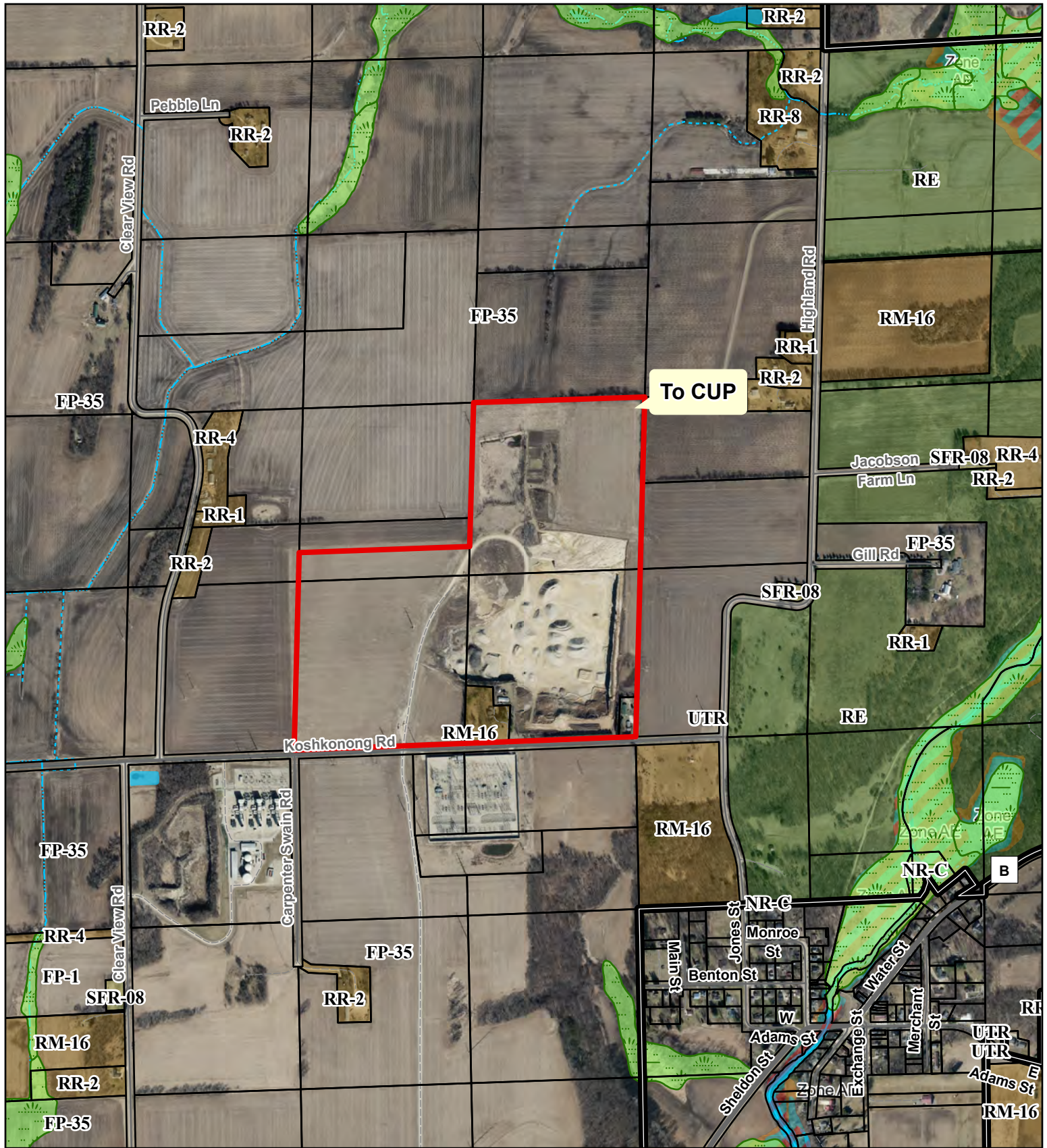
OWNER INFORMATION		AGENT INFORMATION	
OWNER NAME HEPTA S INC	Phone with Area Code (608) 876-6959	AGENT NAME BJOIN LIMESTONE	Phone with Area Code (608) 876-6959
BILLING ADDRESS (Number, Street) PO BOX 74		ADDRESS (Number, Street) 7308 W. STATE RD. 11	
(City, State, Zip) CAMBRIDGE, WI 53523		(City, State, Zip) Janesville, WI 53548	
E-MAIL ADDRESS		E-MAIL ADDRESS	

ADDRESS/LOCATION 1		ADDRESS/LOCATION 2		ADDRESS/LOCATION 3	
ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP	
450 Koshkonong Rd.					
TOWNSHIP CHRISTIANA	SECTION 14	TOWNSHIP	SECTION	TOWNSHIP	SECTION
PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED	
0612-143-8240-0		---		---	

CUP DESCRIPTION
Mineral Extraction

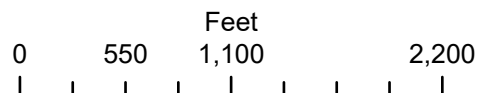
DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
10.222(3)(c)	122.2

DEED RESTRICTION REQUIRED? ☐ Yes ☐ No Applicant Initials _____	Inspectors Initials	SIGNATURE: (Owner or Agent)
	DJE1	
		PRINT NAME:
		
		DATE:
		526-26



- | | |
|---|--|
|  Proposed Zoning |  Residential |
|  Municipal Boundary |  Rural Residential and Rural Mixed Use |
|  Tax Parcel |  Recreational |
| Zoning District |  Special Use |
|  Farmland Preservation |  Wetland Class Area |
|  Natural Resource Conservancy | |

CUP 2715 HEPTA S INC



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05/21/2026	DCPCUP-2026-02715
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(City, State, Zip) CAMBRIDGE, WI 53523		(City, State, Zip) Janesville, WI 53548	
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	DJE1	PRINT NAME:
		DATE:

May 19, 2026
File No. 25225243.00

Dane County Planning and Development, Zoning Administrator
City County Building, Room 116
210 Martin Luther King Jr. Blvd.
Madison, WI 53703

Subject: Conditional Use Permit Application
Hepta S Inc.
450 Koshkonong Road, Cambridge, WI 53523

Dear Zoning Administrator,

Enclosed is the Conditional Use Permit application for the Hepta S Quarry, located at 450 Koshkonong Road, in the Town of Christiana. The site is operated by Bjoin Limestone, Inc. This submittal contains updated operational information and a revised reclamation plan for the non-metallic mining activities. The current Conditional Use Permit (CUP #2346) expires June 28, 2026. The proposed Conditional Use Permit renewal period is 15 years. Enclosed materials outline the proposed conditional use, site layout, planned reclamation activities, and supporting documentation.

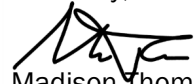
Parcel numbers included in this application are:

- 0612-143-82400
- 0612-143-95008
- 0612-144-85009
- 0612-144-90002
- 0612-144-92108 (A rezoning petition is planned to request rezoning from RM-16 to FP-35 Zoning District)

There is an additional residential parcel adjacent to the mine that is owned by Hepta S and is not currently planned to be mined and thus is not included in this application.

If you have any questions regarding this application, please contact Madison Thompson at mthompson@scsengineers.com or 608-764-4248.

Sincerely,



Madison Thompson
Project Manager
SCS Engineers



Phil Gearing
Project Director
SCS Engineers

MJT/AJR_lmh/RAR/PEG

cc: Kathy Bjoin, Bjoin Limestone, Inc.

Encl. Conditional Use Permit Application

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Conditional Use Permit Application



Dane County
Department of Planning and Development
Zoning Division
Room 116, City-County Building
210 Martin Luther King Jr. Blvd.
Madison, Wisconsin 53703
(608) 266-4266

Application Fees	
General:	\$495
Mineral Extraction:	\$1145
Communication Tower:	\$1145 (+\$3000 RF eng review fee)
PERMIT FEES DOUBLE FOR VIOLATIONS OR WHEN WORK HAS STARTED PRIOR TO ISSUANCE OF PERMIT	

CONDITIONAL USE PERMIT APPLICATION

APPLICANT INFORMATION

Property Owner Name:	Hepta S Inc.	Agent Name:	Kathleen M. Bjoin
Address (Number & Street):	450 Koshkonong Road	Address (Number & Street):	7308 West State Road 11
Address (City, State, Zip):	Cambridge, WI 53523	Address (City, State, Zip):	Janesville, WI 53548
Email Address:		Email Address:	
Phone#:		Phone#:	

SITE INFORMATION

Township:	Christiana	Parcel Number(s):	0612-143-82400, 0612-143-95008, 0612-144-85009, 0612-144-90002, 0612-144-92108
Section:	NE	Property Address or Location:	450 Koshkonong Road Cambridge, WI 53523
Existing Zoning:	FP-35/ RM-16	Proposed Zoning:	FP-35
CUP Code Section(s):			

DESCRIPTION OF PROPOSED CONDITIONAL USE

Type of conditional use permit (for example: limited family business, animal boarding, mineral extraction, or any other listed conditional use): Mineral Extraction	Is this application being submitted to correct a violation? Yes ☐ No ☒
Provide a short but detailed description of the proposed conditional use: The Hepta S Quarry is an active non-metallic limestone mine owned by Hepta S Inc. and operated by Bjoin Limestone, Inc. The proposed conditional use is continued operation. The active area of the quarry is in the eastern portion of the site. Future mining areas will move westward to the limits of limestone deposit by approximately 100 to 200 linear feet per year. Limestone is extracted by drilling and blasting rock walls. The material is crushed with jaw impactors and roll crushing equipment. The mine operates year-round.	

GENERAL APPLICATION REQUIREMENTS

Applications will not be accepted until the applicant has met with department staff to review the application and determined that all necessary information has been provided. Only complete applications will be accepted. All information from the checklist below must be included. Note that additional application submittal requirements apply for particular uses or as may be required by the Zoning Administrator. Applicants for significant and/or potentially controversial conditional uses are strongly encouraged to meet with staff prior to submittal.

☐ Complete attached information sheet for standards	☒ Site Plan drawn to scale	☒ Detailed operational plan	☐ Written legal description of boundaries	☐ Detailed written statement of intent	☐ Application fee (non-refundable), payable to Dane County Treasurer
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I certify by my signature that all information presented herein is true and correct to the best of my knowledge. I hereby give permission for staff of the Dane County Department of Planning and Development to enter my property for the purpose of collecting information to be used as part of the review of this application. I acknowledge that submittal of false or incorrect information may be grounds for denial of this application.

Owner/Agent Signature: Sheryl K Hensel

Date: 4/7/2026

STANDARDS FOR CONDITIONAL USE PERMITS

Applicants must provide adequate evidence demonstrating to the Town and Dane County Zoning & Land Regulation Committee that the proposed conditional use satisfies the following 8 standards for approval, along with any additional standards specific to the applicable zoning district or particular use found in sections [10.220\(1\)](#) and [10.103](#) of the code.

Please explain how the proposed land use will meet the following standards (attach additional pages, if necessary):

1. The establishment maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare.

See attached.

2. The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use.

See attached.

3. The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.

See attached.

4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the conditional use.

See attached.

5. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.

See attached.

6. That the conditional use shall conform to all applicable regulations of the district in which it is located.

See attached.

7. The conditional use is consistent with the adopted town and county comprehensive plans.

See attached.

8. If the conditional use is located in a Farmland Preservation (FP) Zoning district, the conditional use is subject to the following additional standards found in section 10.220(1). Attach additional pages, if necessary.

- Explain how the use and its location in the Farmland Preservation Zoning District are consistent with the purposes of the district:

N/A

- Explain how the use and its location in the Farmland Preservation Zoning district are reasonable and appropriate, considering alternative locations:

N/A

- Explain how the use is reasonably designed to minimize the conversion of land from agricultural use or open space use:

N/A

- Explain how the use does not substantially impair or limit the current or future agricultural use of surrounding parcels zoned for agricultural use:

N/A

- Explain how construction damage to land remaining in agricultural use is minimized and repaired, to the extent feasible:

N/A

WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN

Applicants must provide a detailed written statement of intent describing the proposed conditional use along with an operational plan that explains how the conditional use will be operated. Please use the form below and provide responses, as applicable, to your proposed conditional use. Attach additional pages, if necessary.

Describe in detail the proposed conditional use. Provide the specific location of the use(s), type of equipment used, planned property improvements, including description / size of existing or proposed new buildings to be used, and any other relevant information. For existing or proposed commercial operations, provide the name of the business and describe the nature and type of business activity.

See attached.

List the proposed days and hours of operation.

See attached.

List the number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.

See attached.

List any anticipated noise, odors, dust, soot, runoff or pollution associated with the conditional use, along with any proposed measures that will be taken to mitigate impacts to neighboring properties.

See attached.

Describe any materials proposed to be stored outside and any activities, processing or other operations taking place outside an enclosed building.

See attached.

For proposals involving construction of new facilities and/or infrastructure, describe, as applicable, any measures being taken to ensure compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.

See attached.

List and describe existing or proposed sanitary facilities, including adequate private onsite wastewater treatment systems, associated with the proposed conditional use. For uses involving domestic pets or livestock, list and describe measures taken to address manure storage or management.

See attached.

List and describe any existing or proposed facilities for managing and removal of trash, solid waste and recyclable materials.

See attached.

Describe anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.

See attached.

Provide a listing of any hazardous, toxic or explosive materials to be stored on site, and any spill containment, safety or pollution prevention measures.

See attached.

Describe any existing or proposed outdoor lighting along with any measures that will be taken to mitigate light-pollution impacts to neighboring properties. The Zoning Administrator may require submittal of a photometric plan for outdoor lighting if deemed necessary to determine potential impacts to neighbors.

See attached.

Describe any existing or proposed signage, including size, location, and materials, consistent with the county's sign ordinance found in s. [10.800](#).

See attached.

Briefly describe the current use(s) of the property on which the conditional use is proposed.

See attached.

Briefly describe the current uses of surrounding properties in the neighborhood.

See attached.

APPLICATION CHECKLIST FOR A CONDITIONAL USE PERMIT

A scaled site plan and detailed operations plan must be submitted with your Conditional Use Permit application. Please use the checklist below to ensure you are submitting all required information applicable to your request. Please attach to your application form the required maps and plans listed below, along with any additional pages.

☐ **SCALED SITE PLAN. Show sufficient detail on 11" x 17" paper. Include the following information, as applicable:**

- ☐ Scale and north arrow.
- ☐ Date the site plan was created.
- ☐ Existing subject property lot lines and dimensions.
- ☐ Existing and proposed wastewater treatment systems and wells.
- ☐ All buildings and all outdoor use and/or storage areas, existing and proposed, including provisions for water and sewer.
- ☐ All dimension and required setbacks, side yards and rear yards.
- ☐ Location and width of all existing and proposed driveway entrances onto public and private roadways, and of all interior roads or driveways.
- ☐ Location and dimensions of any existing utilities, easements or rights-of-way.
- ☐ Parking lot layout in compliance with s. [10.102\(8\)](#).
- ☐ Proposed loading/unloading areas.
- ☐ Zoning district boundaries in the immediate area. All districts on the property and on all neighboring properties must be clearly labeled.
- ☐ All relevant natural features, including navigable and non-navigable waters, floodplain boundaries, delineated wetland areas, natural drainage patterns, archeological features, and slopes over 12% grade.
- ☐ Location and type of proposed screening, landscaping, berms or buffer areas if adjacent to a residential area.
- ☐ Any lighting, signs, refuse dumpsters, and possible future expansion areas.

☐ **NEIGHBORHOOD CHARACTERISTICS. Describe existing land uses on the subject and surrounding properties:**

- ☐ Provide a brief written statement describing the current use(s) of the property on which the conditional use is proposed.
- ☐ Provide a brief written statement documenting the current uses of surrounding properties in the neighborhood.

☐ **OPERATIONS PLAN AND NARRATIVE. Describe in detail the following characteristics of the operation, as applicable:**

- ☐ Hours of operation.
- ☐ Number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.
- ☐ Anticipated noise, odors, dust, soot, runoff or pollution and measures taken to mitigate impacts to neighboring properties.
- ☐ Descriptions of any materials stored outside and any activities, processing or other operations taking place outside an enclosed building.
- ☐ Compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.
- ☐ Sanitary facilities, including adequate private onsite wastewater treatment systems and any manure storage or management plans approved by the Madison and Dane County Public Health Agency and/or the Dane County Land and Water Resources Department.
- ☐ Facilities for managing and removal of trash, solid waste and recyclable materials.
- ☐ Anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.
- ☐ A listing of hazardous, toxic or explosive materials stored on site, and any spill containment, safety or pollution prevention measures taken.
- ☐ Outdoor lighting and measures taken to mitigate light-pollution impacts to neighboring properties.
- ☐ Signage, consistent with section [10.800](#).

☐ **ADDITIONAL MATERIALS. Additional information is required for certain conditional uses listed in s. [10.103](#):**

- ☐ Agricultural entertainment, special events, or outdoor assembly activities anticipating over 200 attendees must file an [event plan](#).
- ☐ [Domestic pet](#) or [large animal boarding](#) must provide additional information in site and operations plans.
- ☐ Communication towers must submit additional information as required in s. [10.103\(9\)](#).
- ☐ Farm residences proposed in the FP-35 district must submit additional information as required in s. [10.103\(11\)](#).
- ☐ Mineral extraction proposals must submit additional information as required in s. [10.103\(15\)](#).

STANDARDS FOR CONDITIONAL USE PERMITS

Please explain how the proposed land use will meet the following standards (attach additional pages, if necessary):

1. *The establishment maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare.*

The quarry's operations and reclamation approach are designed to minimize environmental impacts and maintain safe site development practices. The quarry limits active mining area to a maximum 20-acre footprint. Interim reclamation measures are implemented as mining progresses to stabilize mined areas and minimize off-site impacts. The site uses gates and signage to control public access. A perimeter fence and safety berms surround the mining area and additional fencing and berms will be installed. Ingress and egress use an existing paved access road to minimize dust. A private paved haul road connects the site directly to County Road B, allowing haul trucks to avoid town roads. Hauling on public roads is limited to roads required to access county and state highways.

2. *The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use.*

Mining is limited to a 20-acre active area. Impacts are minimized through phased reclamation, erosion control, and vegetative cover. Post mining land use is planned to be restored agricultural land, aligned with current and future zoning and many of the neighboring properties' existing use. A private paved haul road connects the site directly to County Road B, allowing haul trucks to avoid town roads. Hauling on public roads is limited to roads required to access county and state highways.

3. *The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.*

Mining remains confined to a limited active area, impacts are minimized through phased reclamation and erosion control, and the site's return to agricultural use allows for surrounding properties to continue normal, orderly development without obstruction. The site has been operated as a mining site since around 2002.

4. *Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the conditional use.*

Utilities, access roads, drainage systems, and other necessary site improvements are in place. Phased grading, erosion control, and stormwater practices support proper site function, allowing the conditional use to operate without requiring off-site infrastructure.

5. *Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.*

Ingress and egress use an existing paved access road, with traffic directed to established haul routes. A private paved haul road connects the site directly to County Road B, allowing haul trucks to avoid town roads. Hauling on public roads is limited to roads required to access county and state highways.

6. *That the conditional use shall conform to all applicable regulations of the district in which it is located.*

Operations follow regulations in the district, including Dane County Chapter 74 and NR 135.19, with mining limits, reclamation steps, erosion controls, and site management practices aligned with required standards for non-metallic mining activities.

7. *The conditional use is consistent with the adopted town and county comprehensive plans.*

Operations follow permitted land-use designations and support long-term agricultural restoration, aligning with the Dane County future land use as part of an agricultural preservation district.

8. *If the conditional use is to be located in a Farmland Preservation District, the conditional use must meet the findings as listed below:*

- *The proposed use is consistent with the purpose of the district*
- *The proposed use is reasonable and appropriate with alternative locations considered.*
- *The proposed use is reasonably designed to minimize the use of agricultural lands.*
- *The proposed use does not substantially impair the current or future agricultural use of surrounding parcels.*
- *Construction damage to remaining lands in agricultural use is minimized and/or repaired.*

Non-metallic mining operations have previously been in place at the site. Agricultural lands without mineral deposit will not be mined. The reclaimed quarry floor will be agricultural land use. Construction damage to lands remaining as agricultural use will be minimized.

WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN

Applicants must provide a detailed written statement of intent describing the proposed conditional use along with an operational plan that explains how the conditional use will be operated. Please use the form below and provide responses, as applicable, to your proposed conditional use. Attach additional pages, if necessary.

Describe in detail the proposed conditional use. Provide the specific location of the use(s), type of equipment used, planned property improvements, including description / size of existing or proposed new buildings to be used, and any other relevant information. For existing or proposed commercial operations, provide the name of the business and describe the nature and type of business activity.

Hepta S Quarry is a non-metallic limestone mining operation owned by Hepta S, Inc. and operated by Bjoin Limestone. The site encompasses approximately 120 acres, with approximately 40 acres of previously mined area. There are a total of four parcels. Limestone is extracted by drilling and blasting rock walls. The material is crushed with jaw impactors and roll crushing equipment. Material storage and stockpile areas within the mine vary based on operations. The mine focuses on custom limestone crushing, trucking, and excavation, with the majority of product used for roadway construction projects. Interim reclamation will occur as mining processes, with graded 3:1 slopes, placement of subsoil and topsoil, seeding with approved mixes, and erosion-control applications to stabilize and restore disturbed areas. The quarry uses existing access roads and no new buildings are proposed. A private paved haul road connects the site directly to County Road B, allowing haul trucks to avoid town roads. Existing conditions and planned improvements are detailed in the Nonmetallic Mining Reclamation Plan, attached, with the reclaimed site use to be agricultural. The commercial activity consists of limestone extraction and associated material handling.

List the proposed days and hours of operation.

Operations shall be limited to 6:00 a.m. to 6:00 p.m. Monday through Friday and 7:00 a.m. to 12:00 p.m. on Saturday. There shall be no Sunday operations.

Blasting shall be limited to 9:00 a.m. to 4:30 p.m. Monday through Friday.

Crushing of stone shall be limited to 6:00 a.m. to 6:00 p.m., Monday through Friday. Crushing shall not be permitted on Saturday, Sunday, or legal holidays.

For Wisconsin Department of Transportation (WisDOT) projects, hauling/transport of material will occur 24 hours per day/7 days per week, with the exception of Sunday evenings. Hauling for local municipal and/or commercial projects will be limited to 6:00 a.m. to 6:00 p.m. Monday through Friday, and 7:00 a.m. to 12:00 p.m. on Saturday.

List the number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.

There is a minimum of two employees at the site (two full-time equivalents). The maximum number of personnel on the premises is nine.

List any anticipated noise, odors, dust, soot, runoff or pollution associated with the conditional use, along with any proposed measures that will be taken to mitigate impacts to neighboring properties.

Quarry activities may generate noise, dust, and equipment emissions typical of non-metallic mining operations. Noise may result from loading, hauling, crushing, and blasting. All equipment is fitted with muffler systems meeting industry noise-abatement standards, and blasting is performed by licensed contractors following state regulations and scheduled within allowed hours to limit disturbance. Blasting occurs on an as-needed basis and per the CUP, nearby residents, the local utility and Town Clerk are notified more than 72 hours prior to blasting.

Dust may arise from crushing, loading, haul roads, and exposed surfaces. Water spray bars are used during crushing, and water trucks are used on internal roads and stockpile areas as needed. Paved and improved haul roads further reduce dust generation. A private paved haul road connects the site directly to County Road B, allowing haul trucks to avoid town roads.

No significant odors are associated with limestone mining. The quarry does not store bulk fuels on-site. Runoff is managed on site by existing ponds in the quarry floor.

Describe any materials proposed to be stored outside and any activities, processing or other operations taking place outside an enclosed building.

Soil stockpiles and mined materials are stored within the footprint of the mined areas.

Outdoor activities include blasting, drilling, crushing, screening, hauling, loading, and stockpiling, all of which occur within the active mining area and are typical of non-metallic mining operations. A portable crushing plant is occasionally used on-site.

For proposals involving construction of new facilities and/or infrastructure, describe, as applicable, any measures being taken to ensure compliance with county stormwater and erosion control standards under Chapter 11 of Chapter 14, Dane County Code.

No new construction or infrastructure is proposed.

List and describe existing or proposed sanitary facilities, including adequate private onsite wastewater treatment systems, associated with the proposed conditional use. For uses involving domestic pets or livestock, list and describe measures taken to address manure storage or management.

There are sanitary facilities at the existing residential properties. There are no existing or proposed sanitary facilities on the parcels being used for mining. Portable sanitary facilities are provided for workers during active operations.

List and describe any existing or proposed facilities for managing and removal of trash, solid waste and recyclable materials.

Trash is hauled offsite daily. No facilities are proposed.

Describe anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.

Daily traffic consists primarily of haul trucks transporting mined materials. The majority of haul trucks are quad axle dump trucks with a gross weight of 73,000 pounds. Estimated truck traffic varies seasonally, with approximately 30 to 75 trucks entering and exiting the site per day.

The existing haul road is paved and is routed from the active mining area, through the subject property to the south entrance/exit at Koshkonong Road. Haul trucks cross Koshkonong Road to access a private paved haul road that connects directly to County Road B, avoiding use of town roads. Hauling on public roads is limited to roads required to access county and state highways.

The site has been used for mining and hauling since around 1996 and no increase in traffic is expected compared to historical use.

Provide a listing of any hazardous, toxic or explosive materials to be stored on site, and any spill containment, safety or pollution prevention measures.

No hazardous, toxic, or explosive materials are stored on site. There is no bulk fuel storage on site.

Describe any existing or proposed outdoor lighting along with any measures that will be taken to mitigate light-pollution impacts to neighboring properties. The Zoning Administrator may require submittal of a photometric plan for outdoor lighting if deemed necessary to determine potential impacts to neighbors.

No permanent outdoor lighting is currently installed at the quarry, and no new lighting is proposed as part of this conditional use. Operations occur during daytime and early-evening hours. If temporary lighting is required for safety during equipment maintenance or low-light conditions, it will be limited to portable, downward-directed fixtures positioned within the active work area to avoid off-site glare.

Describe any existing or proposed signage, including size, location, and materials, consistent with the county's sign ordinance found in s. 10.800.

Existing "No Trespassing" signage and other safety signage is on site at the entrance and scale house. Signage is not illuminated. Signage is in accordance with the County's sign ordinance.

Briefly describe the current use(s) of the property on which the conditional use is proposed.

The property is currently used as an active non-metallic limestone quarry that has operated since 2002. Activities include blasting, crushing, stockpiling, and hauling of limestone aggregate, along with recycling and crushing of concrete and asphalt materials.

Parcel number 0612-144-92108 is currently used as a residential property but will be mined in the future, at which time existing structures will be removed. This property is zoned as RM-16 (Rural Mixed-Use and Transitional). A rezoning application to change the zoning to General Farmland Preservation Zoning District (FP-35) is being submitted concurrently with this CUP application. Mineral extraction is an approved conditional use for this zoning.

Briefly describe the current uses of surrounding properties in the neighborhood.

Surrounding properties are used for agricultural production, including crops such as corn, soybeans, wheat, and alfalfa.

MINERAL EXTRACTION OPERATIONS

For a CUP for mineral extraction, the applicant must provide a legal description, tax parcel numbers, an erosion control plan, and a reclamation plan. In addition, to further describe the operation, the applicant must provide a written statement and operations plan as described:

Legal Description

Lot 1 of the Dane County Certified Survey Map number 3745, together with Parts of the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$, the Northwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$, the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$, and the South $\frac{1}{6}$ of the Northeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$, all in Section 14; Township 6 North, Range 12 East, Town of Christiana, Dane County, Wisconsin, being more fully described as follows:

Beginning at the South $\frac{1}{4}$ corner of Section 14; thence West, 1,320 feet more or less, to the Southwest corner of the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$; thence North along the West line of said $\frac{1}{4}$ - $\frac{1}{4}$ and the West line of the South $\frac{1}{6}$ of the Northeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$, 1,540 feet more or less to the Northwest corner of the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$; thence North along the West line of the South $\frac{1}{6}$ of the Northeast $\frac{1}{4}$ of the Northwest corner thereof; thence East, 1,320 feet more or less to the Northeast corner of said South $\frac{1}{6}$; thence North along the West line of the Northwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$, 1,100 feet more or less to the Northwest corner of said $\frac{1}{4}$ - $\frac{1}{4}$; thence East, 1,320 feet more or less to the Northeast corner of said $\frac{1}{4}$ - $\frac{1}{4}$; thence South along the East line of said $\frac{1}{4}$ - $\frac{1}{4}$ and the East line of the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$, 2,300 feet more or less to a point lying 340 feet North of the Southeast corner of said $\frac{1}{4}$ - $\frac{1}{4}$; thence West, 130 feet; thence South 340 feet to the South line of said $\frac{1}{4}$ - $\frac{1}{4}$; thence West along said South line, 1,190 feet, more or less, to the point of beginning. The above described containing 122.2 acres more or less being the combined assessed acreage of the parcels comprising the above-described lands.

Size of Area Requesting

122.2 Acres

Tax Parcel Numbers

- 0612-143-82400
- 0612-143-95008
- 0612-144-85009
- 0612-144-90002
- 0612-144-92108

Erosion Control Plan

Temporary topsoil and subsoil stockpiles will be surrounded by silt fence or silt sock to prevent sediment loss. Stockpiles and bare soil left undisturbed for 14 or more days will be seeded with a temporary wheat or rye. If bare soils are present at the end of the growing season, erosion control matting or straw blankets will be installed until vegetation is established in the following season. Appropriate measures, such as installing additional controls, will be taken to correct observed erosion issues.

In reclaimed areas, erosion control measures will be installed to minimize soil loss and prevent sediment from entering waterways. After placing topsoil and seeding, erosion control measures such as mulch and/or erosion control matting will be placed over the seeded areas. In areas where erosion is observed, appropriate measures will be selected and implemented in accordance with Wisconsin Storm Water Technical Standards. These may include silt fence, silt sock, straw bale barricades, or riprap.

Temporary erosion controls will be inspected weekly or within 24 hours of the end of rainfall events exceeding 0.5 inch in a 24-hour period. Remedial action will be initiated if needed. Records of inspections and corrective actions will be maintained until final reclamation is completed.

Reclamation Plan

A Reclamation Plan is attached.

A written statement containing the following information:

1. General description of the operation.

The property is used for non-metallic limestone mining, where limestone is extracted through drilling and blasting, then processed on-site by crushing and screening. Material is stockpiled and hauled for use in construction projects, including WisDOT work. Operations include blasting, crushing, storing, and transporting aggregate. The operator also recycles and crushes concrete and asphalt for resale. The active area of the quarry is in the eastern portion of the site. Future mining areas will move westward to the limits of limestone deposit by approximately 100 to 200 linear feet per year.

2. Existing use of the land.

The property has been used as a non-metallic limestone quarry since 2002, with areas used for blasting, crushing, stockpiling, and hauling of aggregate materials. Surrounding portions of the parcels continue to be used for agricultural production, including crops such as corn, soybeans, wheat, and alfalfa.

Parcel number 0612-144-92108 in the south-central portion of the site is currently a residential property but is planned to be mined under the proposed conditional use permit.

3. Existing natural features including approximate depth to groundwater.

There are no known natural features that would constrain mining operations. Groundwater elevation near the site is approximately 855 to 877 feet above mean sea level, which corresponds to about 70 to 75 feet below ground surface. Regional groundwater flow is toward the southeast, discharging into the Rock River, located approximately 5 to 6 miles east of the site. Current mining operations have not contacted groundwater.

In the western and northern portions of the property, outside of the active mining area, surface water generally drains north. Directly north of the active area is a wet area which slowly infiltrates. Standing water is present and does not flow off-site.

4. *Proposed dates to begin extraction, end extraction and complete reclamation.*

Extraction from the site has been continuous since around 2002, under previously issued conditional use permits. The site intends to continue to extract limestone until the expiration of the conditional use permit or until all commercially useful limestone is removed, whichever occurs soonest. The estimated life of the mine is approximately 15 years or less, depending on the extent of the limestone deposit in the western portion of the site. Reclamation will be completed within 1 year after extraction has ceased, consistent with the reclamation plan and regulatory requirements.

5. *Proposed hours and days of operation.*

Operations shall be limited to 6:00 a.m. to 6:00 p.m. Monday through Friday and 7:00 a.m. to 12:00 p.m. on Saturday. There shall be no Sunday operations.

Blasting shall be limited to 9:00 a.m. to 4:30 p.m. Monday through Friday.

Crushing of stone shall be limited to 6:00 a.m. to 6:00 p.m., Monday through Friday. Crushing shall not be permitted on Saturday, Sunday, or legal holidays.

For WisDOT projects, hauling/transport of material will occur 24 hours per day/7 days per week, with the exception of Sunday evenings. Hauling for local municipal and/or commercial projects will be limited to 6:00 a.m. to 6:00 p.m. Monday through Friday, and 7:00 a.m. to 12:00 p.m. on Saturday.

6. *Geologic composition and depth to the mineral deposit.*

The mined material consists of Ordovician dolomite of the Sinnipee Group, including the Galena, Decorah, and Platteville formations. These units extend from ground surface to approximately 235 feet below grade. Beneath the dolomite are the St. Peter Sandstone (Ancell Group) and the Prairie du Chien dolomite. Nearby well logs show limestone from 0 to 90 feet, underlain by sandstone to approximately 160 to 170 feet, with groundwater located at approximately 70 to 75 feet below ground surface.

7. *Identify all major proposed haul routes to the nearest Class A highway or truck route. Indicate traffic flow patterns.*

Aggregate hauling will occur using the paved private haul road constructed on the property immediately south of the quarry. Trucks will exit the site via this private road, crossing Koshkonong Road and continuing to County Highway B, which is the nearest Class A highway. No hauling is proposed on Koshkonong Road or other town roads. Traffic will flow south from the quarry to County Hwy B, then disperse to county, state, or federal highways as needed.

8. *Proposed phasing plan, if any (recommended for larger sites)*

Mining at the Hepta S Quarry proceeds on an as-needed basis, typically east to west, with the current active area located in the eastern portion of the site. The operation will continue to advance approximately 100 to 200 feet per year until the remaining limestone deposit is exhausted. As each portion of the quarry is mined, interim reclamation occurs, including

placement of subsoil and overburden against the southern highwall and seeding of stabilized slopes. Final reclamation will begin once mining ceases.

9. *Types, quantities, and frequency of use of equipment to extract, process, and haul.*

Equipment used on-site includes dump trucks, graders, and excavators. A portable crushing plant operates on the property from March through December each year. Estimated truck traffic varies seasonally, with approximately 30 to 75 trucks entering and exiting the site per day.

10. *Whether and how frequently blasting, drilling, crushing, screening, washing, refueling, fuel storage, asphalt batching or concrete mixing would be performed on site.*

Blasting occurs as needed, estimated to be approximately 30 times per year. Crushing, screening, and hauling are continuous and frequency of operations is dependent on demand. No bulk fuel storage is maintained on the property, and refueling occurs as needed. No asphalt batching or concrete mixing is proposed on-site.

11. *Whether excavation will occur below the water table and, if so, how ground water quality will be protected.*

Excavation will not occur below the water table. Groundwater is estimated to be about 70 to 75 feet below ground surface and has not been encountered during excavation to date.

12. *Any proposed temporary or permanent structures (e.g., scales, offices).*

The quarry includes temporary operational structures located in the southern portion of the site. These include the scale house, access gate, and associated access road connected to Koshkonong Road. Crushing and screening equipment, stockpiles, and other mining-related features are temporary and will be removed during reclamation. No new permanent buildings are proposed. The existing residential parcel in the south-central portion of the site is planned to be mined under the proposed conditional use permit, at which time the structures will be removed. Existing residential structures on the southeastern parcel (owned by Hepta S Inc.) will remain in place and are not part of the mining area.

13. *Any special measures that will be used for spill prevention and control, dust control, transportation, or environmental protection.*

Spill prevention and environmental protection measures include maintaining the paved haul road and following standard refueling procedures. No bulk fuel storage occurs on-site, reducing spill risk. Dust control is managed using water spray bars during crushing. Transportation impacts are minimized by routing all trucks via the paved private haul road to County Highway B, avoiding town roads.

14. *Proposed use after reclamation as consistent with Chapter 74.*

The reclaimed Hepta S Quarry site will be returned to agricultural use, consistent with the existing General Farmland Preservation Zoning District (FP-35) zoning and the Future Land Use Plan identified in the Capital Area Regional Planning Commission's 2050 Regional

Development Framework. This post-mining land use meets the requirements of Dane County Ordinance Chapter 74 for nonmetallic mining reclamation.

A site/operations plan drawn to scale, at least 11" by 17" in size

A site plan is attached.



Mineral Extraction Operations Checklist

Conditional Use Permit - Mineral Extraction Application Checklist

Applicant			Zoning
Plan Requirement	✓	Location in plan - page #	✓
1. Legal description - CSM and/or exact metes & bounds.		Mineral Extraction Operations, Page 7	
Size of area requesting - acreage			
Parcel number(s)			
2. Written statement that includes the following:			
General description of the operation.		Mineral Extraction Operations, Page 8	
Existing uses of the land.		Mineral Extraction Operations, Page 8	
Existing natural features including depth to groundwater.		Mineral Extraction Operations, Page 8	
Types and quantities of materials that will be extracted.		Mineral Extraction Operations, Page 8	
Proposed dates to begin extraction, end extraction and complete reclamation.		Mineral Extraction Operations, Page 9	
Proposed hours and days of operation.		Mineral Extraction Operations, Page 9	
Geologic composition and depth to the mineral deposit.		Mineral Extraction Operations, Page 9	
Identify all major proposed haul routes to the nearest Class A highway or truck route.		Mineral Extraction Operations, Page 9	
Indicate traffic flow patterns.			
Proposed phasing plan (recommended for larger sites)		Mineral Extraction Operations, Page 9	
Types, quantities and frequency of use of equipment to extract, process and haul.		Mineral Extraction Operations, Page 10	
Frequency of blasting, drilling, mining, crushing, screening, washing, refueling.		Mineral Extraction Operations, Page 10	
Bulk fuel storage.		Mineral Extraction Operations, Page 10	
Asphalt batching or concrete mixing.		Mineral Extraction Operations, Page 10	
Proposed storage of recycled materials.		Mineral Extraction Operations, Page 10	
Does extraction occur below the water table / protection of groundwater.		Mineral Extraction Operations, Page 10	
Permanent or temporary structures.		Mineral Extraction Operations, Page 10	
Spill prevention and or dust control.		Mineral Extraction Operations, Page 10	
Proposed use after final reclamation as consistent with Ch. 74. Separate checklist for reclamation permit.		Mineral Extraction Operations, Page 10	

This checklist is required in addition to a complete application for a conditional use permit. Application may be deemed incomplete if required information is not submitted.



Figure 1

Site Plan

Reclamation Plan

May 19, 2026
File No. 25225243.00

Daniel Everson
Dane County Department of Planning and Development
City County Building, Rm 116
210 Martin Luther King Jr. Blvd.
Madison, WI 53703

Subject: Reclamation Plan Revision
Hepta S Quarry
Town of Christiana, Dane County, Wisconsin

Dear Mr. Everson:

SCS Engineers (SCS) has prepared this Non-Metallic Mining Reclamation Plan on behalf of Bjoin Limestone, Inc. (Bjoin), operator of the Hepta S Quarry, as an update to the plan dated May 5, 2016. This plan addresses the requirements outlined in Wisconsin Administrative Code NR 135 and Dane County Ordinance Chapter 74.

Sincerely,



Madison Thompson
Project Manager
SCS Engineers



Phillip Gearing
Project Director
SCS Engineers

RAR/REO_lmh/MJT/PEG

cc: Kathy Bjoin, Bjoin Limestone, Inc.

Encl. Nonmetallic Mining Reclamation Plan – Hepta S Quarry

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Nonmetallic Mining Reclamation Plan

Hepta S Quarry
450 Koshkonong Road
Cambridge, Wisconsin 53523

Nonmetallic Mining Permit No. 98

Prepared for:

Bjoin Limestone Inc.
7308 W. State Road 11
Janesville, Wisconsin 53548

SCS ENGINEERS

25225243.00 | May 19, 2026

2830 Dairy Drive
Madison, WI 53718-6751
608-224-2830

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Figure 2.	Site Property Lines, Parcel Numbers, and Owner Identification
Figure 3.	Existing Conditions
Figure 4.	Active Mining Area
Figure 5.	Groundwater Elevation Map
Figure 6.	Reclamation Conditions

Attachments

Attachment A	Geologic and Waters Information
	A1 – Well Construction Forms
	A2 – Dane County Geologic Cross Section
	A3 – Surface Water Data Viewer Information
	A4 – NRCS Soils Map
Attachment B	Biological Assessment Information
Attachment C	Zoning Documents
	C1 – Dane County Current Zoning Map
	C2 – Dane County Zoning District Fact Sheets
	C3 – Dane County Future Land Use Map
Attachment D	Seed Mix Specifications
Attachment E	Cost Estimate and Financial Assurance

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OVERVIEW AND SUMMARY

The Hepta S Quarry is an active limestone mine owned by Hepta S Inc. and operated by Bjoin Limestone, Inc. and located in the Town of Christiana, Dane County, Wisconsin. The site is comprised of six parcels totaling approximately 125 acres, of which approximately 40 acres have been mined since the quarry opened in 1996. The majority of the southern land area is expected to be used for mining operations over the site's life. The northern portion of the property will not be mined. Surrounding land uses include agricultural crops, residences, and an electrical substation located to the south.

This document is an update to the May 2016 Nonmetallic Mining Reclamation Plan.

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RECLAMATION PLAN CERTIFICATION

I hereby certify that this reclamation for the nonmetallic mine site identified below will be carried out in accordance with Dane County's Nonmetallic Mining Reclamation Ordinance and the state-wide nonmetallic mining reclamation standards established in sections NR 135.05 through NR 135.15, Wisconsin Administrative Code.

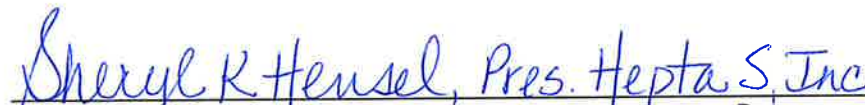
Project: Nonmetallic Mine Reclamation Regular Permit No. 98
Hepta S Quarry
450 Koshkonong Road
Cambridge, WI 53523

Signed,


Bjorn Limestone, Inc. (Operator)


Date

I hereby certify that I concur with this reclamation for the nonmetallic mine site and will allow its implementation.


Hepta S Inc. (Landowner)


Date

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1.0 SITE INFORMATION

1.1 PROPERTY OWNER

Hepta S Inc.
450 Koshkonong Road
Cambridge, WI 53523

The parcels owned by Hepta S Inc include:

- 061214382400
- 061214395008
- 061214485009
- 061214490002
- 061214492108 (residential; planned to be mined)
- 061214493705 (residential; not planned to be mined)

1.2 GENERAL LOCATION

The Hepta S Quarry is located in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$, the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$, the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$, and the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 14 of Township 6 North, Range 12 East, Town of Christiana, in Dane County, Wisconsin. The quarry is west of the Village of Cambridge, located north of Koshkonong Road. See **Figure 1**.

1.3 PROPERTY BOUNDARIES, NEIGHBORS, AND ADJACENT LAND USE

The Hepta S Quarry is bounded by the following:

- North is a 30.0-acre property owned by Wisconsin Electric Power Company.
- Northwest is a 26.7-acre agricultural property owned by Ronald A Lund, and an 11.1-acre agricultural property owned by Howard Lien & Sons Inc.
- West is a 36.3-acre agricultural property owned by Howard Lien & Sons Inc., and a 10.8-acre agricultural property owned by Howard Lien & Sons Inc.
- South is Koshkonong Road. Further south across Koshkonong Road is a 20.0-acre property owned by American Transmission Company LLC, a 6.0-acre property owned by American Transmission Company LLC, and a 28.28-acre agricultural property owned by Howard Lien & Sons Inc.
- East is a 17.7-acre agricultural property owned by G&L Acres LLC, a 20.1-acre agricultural property owned by Howard Lien & Sons Inc., and a 22.1-acre agricultural parcel owned by Howard Lien & Sons Inc.

There is a 3.3-acre parcel of land owned by Hepta S Inc. in the south-central area of the site with a residential home. This parcel is planned to be mined and is considered to be part of the quarry under this plan. A 1.3-acre residential parcel owned by Hepta S Inc. in the southeast corner of the site with

a residential home will not be mined and is not considered to be a part of the quarry under this plan. The nearest City of Cambridge residential communities are approximately 2 miles northeast of the site, and the small community of Rockdale is located approximately 1 mile to the southeast of the site. See **Figure 2** for property boundaries and nearby property owner information.

1.4 SITE HISTORY

The Hepta S Quarry began operation in 2002 on land owned by Stanley Lien. The mine was operated by T&T Stone Co., Inc., and Bjoin Limestone was the general contractor overseeing the blasting and crushing operations. Bjoin began operating the mine in 2016. The mine focuses on custom limestone crushing, trucking, and excavation, with the majority of product used for roadway construction projects.

The site's use as a quarry is regulated by the Dane County Zoning Division under a nonmetallic mining conditional use permit (CUP). CUP #1262 was approved in 1996, CUP #2159 was issued in 2011, and CUP #2346 was issued in 2016.

Historical aerial photography of the site shows that open mining acreage has changed over time as follows:

- 2005 = 9.1 acres
- 2010 = 11.4 acres
- 2014 = 15.2 acres
- 2020 = 21.5 acres
- 2021 = 23.5 acres
- 2024 = 27.3 acres

1.5 LOCATION OF PREVIOUSLY MINED AREAS

Mining began in the central portion of the property and expanded to the east and south property lines, and the northern limits of the limestone deposit. Mining will continue to the west. The southeastern portion of the site has been mined, with the exception of the residential parcels to the south.

1.6 LOCATION AND NATURE OF FILL MATERIALS

The soil profile of the site consists of topsoil and clay overburden before reaching rock. Topsoil and overburden are separated and stockpiled in the active area.

Portions of the site have been filled to the current elevations shown on **Figure 4**. Overburden has been placed along the southern highwalls. Berms made out of overburden material have been constructed along portions of the eastern perimeter of the mined area. As the mining operation moves west, stockpiles and berms will migrate westward as well.

1.7 CURRENT MINING ACTIVITIES AND PLANS

The Hepta S Quarry is currently active and mines limestone. The active area of the quarry is in the eastern portion of the site. Future mining areas will move westward to the limits of limestone deposit by approximately 100 to 200 linear feet per year.

Limestone is extracted by drilling and blasting rock walls. The material is crushed with jaw impactors and roll crushing equipment. Material storage and stockpile areas within the mine will vary based on operations.

The existing haul road leaving the site is paved and is routed from the subject property to the south where it connects to Koshkonong Road. Haul trucks are routed from the site over a private paved road on the adjacent property to the south, which connects to County Road B. Hauling on public roads is limited to roads required to access county and state highways.

The mine operates year-round. The end use of the limestone is asphalt, concrete, and road material. The estimated life of the mine is approximately 15 years or less, depending on the extent of the limestone deposit in the western portion of the site.

1.8 GEOLOGIC COMPOSITION, DEPTH OF MINERAL DEPOSIT, AND PROXIMITY TO GROUNDWATER

The quarried material consists of Ordovician-age dolomite from the Sinnipee Group, which includes three formations:

- **Galena Formation** – Dolomite and cherty dolomite, typically the uppermost unit, massive and fossiliferous.
- **Decorah Formation** – Shaly dolomite, thin and less extensive.
- **Platteville Formation** – Dolomite and shaly dolomite, gray to buff, fine to medium texture, planar-laminated or medium to thick bedded, interbedded with shale/silt laminations.

These formations are characterized as biogenic carbonates (Ostrom, 1964). Based on well construction forms for the area surrounding the site (**Attachment A1**) and the Dane County cross section (**Attachment A2**), the Sinnipee Group occurs from approximately **0 to 235 feet below ground surface** in the region. Beneath it lies the Ancell Group (St. Peter Formation, including the Tonti Member sandstone), followed by the Prairie du Chien Group dolomite, which is generally encountered at depths of **39 to 207 feet below ground surface** near the site. These ranges represent regional values based on nearby wells; actual depths at the subject property may vary.

Nearby well construction data indicate similar stratigraphy:

- **372 Koshkonong Rd (Well #8AN866):** Total depth is 168 feet
 - 0–90 feet – Limestone
 - 90 - 168 feet - Sandstone
 - Groundwater at approximately 74 feet below ground surface (elevation ~871 ft AMSL)
- **332 Koshkonong Rd (Well #WN281):** Total depth is 162 feet
 - 0-7 feet – Clay
 - 7–78 feet - Limestone
 - 78–162 feet - Sandstone
 - Groundwater at approximately 73 feet below ground surface (elevation ~877 ft AMSL)

Both wells confirm the presence of limestone units (Sinnipee Group) overlying sandstone (Ansell Group), consistent with regional geology.

Underlying units include:

- **Tonti Member Sandstone (Ansell Group):** Light brownish yellow to white, gray, red, orange, and brown (if cemented by iron oxides), medium to coarse-grained, well-sorted and well-rounded, low to high-angle cross-bedding or massive, poorly cemented to slightly cemented by dolomite, localized sulfide mineralization, and laminations of shale (Mai and Dott, 1985).
- **Prairie du Chien Dolomite:** Gray to beige, sandy, cherty, massive, planar to wavy-laminated bedding, vuggy, oolitic, glauconitic clay (Ostrom, 1964).

Groundwater elevation near the site is approximately **855–877 feet above mean sea level**, which corresponds to about **70–75 feet below ground surface**. Regional groundwater flow is toward the southeast, discharging into the Rock River, located approximately 5–6 miles east of the site. Current mining operations have not contacted groundwater.

1.9 SURFACE WATER AND DRAINAGE PATTERNS

In the western and northern portions of the property, outside of the active mining area, surface water generally drains north. Directly north of the active area is a wet area which slowly infiltrates. Standing water is present and does not flow off-site. The roadside ditch along Koshkonong Road captures minimal runoff near the southern boundary of the site. The surface water runoff from land east of the existing access road and to the south and east of the active area flows into the active area. Surface water drainage patterns are shown on **Figure 3**.

The active area drains to a low spot to the north, where it is captured in an approximately 5-foot to 10-foot-deep retention pond. When needed, the water is pumped outside of the active area to the wet area to the north to infiltrate. The retention pond location is not fixed and will change as mining progresses. See **Figure 4** for current pond locations.

1.10 DISTRIBUTION, THICKNESS, AND TYPE OF TOPSOIL

Topsoil on site is either stockpiled or in place. According to the Web Soil Survey by the USDA Natural Resources Conservation Service (NRCS), the primary soils that were present in the active area of the site before mining were Rockton silt loam and Dodge silt loam. This soil has been stockpiled or used as fill. These soil types typically have a topsoil depth of 0 to 14 inches, are well-drained, and are used for agriculture. The depth to calcareous sandy loam or dolomite bedrock ranges from 32 to 60 inches below the ground surface.

In the western portion of the site, where mining has not begun, topsoil is still present. Soils in this area are silt loam and include soils from the Ringwood, Plano, and Troxel series. These soils are found on nearly flat to moderately sloping areas typically used for agriculture, as they are moderately deep and moderately well-drained. Subsoils tend to be silty clay loam or silt loam over calcareous silt loam or sandy loam. The thickness of topsoil is approximately 8 to 25 inches for these soil profiles. Bedrock is located at depths of 36 to 75 inches below the ground surface, with about 55 inches as a typical depth.

In the northern portion of the property, which will not be mined, the existing topsoil will remain. Soils in this area are primarily silt loam from the Dodge, Troxel, Virgil, and Ringwood series, which are deep soils ranging from well-drained to poorly drained. Subsoils tend to be clay loam over moderately alkaline sandy loam. The thickness of topsoil is approximately 6 to 25 inches. Bedrock is located at depths of 36 to 75 inches below the ground surface, with about 60 inches as a typical depth. In the northwestern corner, silty clay and silty clay loam are present and include soils from the Sable and Wacousta series. These soils are found on low benches in old stream valleys and lake basins, where land is nearly flat. If drained, they are suitable for agriculture. Topsoil is approximately 12 to 19 inches deep, followed by subsoils from a depth of 12 to 60 inches below the ground surface, comprised of silty clay or silty clay loam.

See **Attachment A4** for soils information.

1.11 EXISTING TOPOGRAPHY

See **Figure 3** and **Figure 4** for topography as of August 28, 2025.

1.12 LOCATION OF MANMADE FEATURES

The manmade features at the Hepta S Quarry are consolidated to the southern part of the site (**Figure 4**).

A gated driveway from Koshkonong Road leads north to a scale house in the southwest corner of the site. The access road continues directly into the active mining area. Along the south boundary of the mining site are two residential properties, both owned by Hepta S Inc. The central residential parcel will be mined. The eastern residential parcel is planned to remain residential at this time and will not be mined. West of the access road, power lines run north to south and connect directly into a transformer site south of the site across Koshkonong Road. Both the transformer site and powerlines are owned by American Transmission Company LLC. Mining operations will maintain a 150-foot buffer from the existing powerlines running through the property.

1.13 BIOLOGICAL INFORMATION

Before European-American settlement, surveyors in the mid-1800s described vegetation in the area as second-rate rolling timber consisting of black and white oak, hickory, aspen, and hazel, with areas of rolling prairie. By 1937, the site had been converted to agricultural row cropping. Vegetation in currently un-mined areas includes agricultural row crops, trees, weeds and invasive species, and turf grass in the residential parcels.

See **Attachment B** for detailed biological information for the Hepta S Quarry, including historical site use and vegetation, current vegetation assessment, and current wildlife habitat assessment performed by Heartland Ecological Group, Inc.

2.0 ZONING AND LAND USE PLAN INFORMATION

2.1 CURRENT SITE ZONING

The Hepta S Quarry and the surrounding residential properties are currently zoned as General Farmland Preservation Zoning District (FP-35 Zoning District), with a conditional use permit to operate as a non-metallic mineral extraction site. The 3.3-acre parcel in the south-central part of the site is zoned as Rural Mixed-Use and Transitional (RM-16). A rezoning request is planned for

submittal for this property to request rezoning to FP-35 Zoning District to be consistent with neighboring parcels. See **Attachment C1** for zoning as shown in the Dane County GIS Portal (DCiMap) as of May 2026. County requirements for land within each zoning district are outlined in **Attachment C2**.

2.2 FUTURE LAND USE PLAN

The future land use of the Hepta S site is classified as FP-35 General Farmland Preservation Zoning District (**Attachment C3**).

2.3 POST-MINING LAND USE

The proposed agricultural post-mining land use is consistent with the current and future zoning of this site.

3.0 OTHER PERMIT EVALUATION

Table 1. Other Permit Evaluation

Permit	Status
Wastewater Discharge	There is no wastewater discharged from the site.
Navigable Waterways	The site is not located near navigable waterways. The closest waterways are an unnamed intermittent stream, located approximately 0.63 miles west of the mine site and Koshkonong Creek, which is approximately 0.5 miles east of the mine site (Attachment A3).
Air Quality Management	General Operations Permit for mobile equipment: Primary Crusher: 399053710-G20 Jaw Crusher: 399123230-G20 Breaker: 99836880-G20A
Stormwater Discharge	Wisconsin Mineral (Nonmetallic) Mining and/or Processing General Permit (WI_0046515-07-2). Permit No. 0046515 FIN: 22475 FID: 113325300

4.0 POST-MINING LAND USE

The post-mining land use for the Hepta S quarry is agricultural land. Stockpiled subsoils will be placed on the floor of the mining area, covered by 4 to 6 inches of topsoil. The soil will be seeded with WisDOT Seed Mix No. 10, and erosion control measures such as mulch and/or erosion control matting installed. Overburden material will be placed along the southern highwall of the quarry at a 3:1 slope or shallower, covered with adequate topsoil, and seeded. In areas where exposed rock face remains, due to limited remaining overburden fill, a stability analysis of the wall will be professionally evaluated to demonstrate stability prior to final reclamation. The site will be accessed through the existing mine entrance. See **Figure 6** for the post-mining site layout.

The residential parcels in the southeastern part of the site will remain. The power lines running north-south through the western parcels of the site will remain.

5.0 RECLAMATION

Reclamation of the site will begin once limestone mining ceases and mined materials are removed from the site. If the entirety of the western quarry area is mined, reclamation will include approximately 53 acres of restored agricultural land.

5.1 EARTHWORK AND SITE GRADING

The south quarry wall will be stabilized by placing overburden or fill material and graded to at least a 3:1 slope. Perimeter berms will be constructed outside of the mined areas as mining progresses. The north, east, and west walls will remain as highwall rock faces. The remaining highwalls will be professionally assessed for stability before the site is fully reclaimed or otherwise demonstrated as stable as required. Based on the stability analysis, rock faces will be filled against or adjusted to be deemed safe. The exposed highwalls will be scaled back to establish safety ledges as needed and will be scraped to remove loose rock and minimize the potential for rock falls; however, final recommendations will be made based on the final condition after mining ceases. The amount of reclaimed slope around the perimeter of the quarry will depend on the volume of fill materials stockpiled from the mining site.

The floor of the mining area will be graded toward the north for drainage. Subsoil will be placed, followed by topsoil. Excess soils, overburden, clay, gravel or other earthen materials will be used to establish a 3:1 slope on the south slope of the mined area, expanding to the east or west if there are excess materials.

The existing quarry entrance will remain. The eastern part of the reclaimed quarry floor will be accessed via a ramp. A similar ramp will be installed to access the reclaimed quarry floor on the western portion of the site.

See **Figure 6** for the reclaimed site layout.

5.2 TOPSOIL

Topsoil removed from active mining areas is presently stored on site in stockpiles in the active area. As mining progresses westward to undisturbed areas of the site, topsoil will continue to be stored for future reclamation.

Prior to topsoil removal, Hepta S will remove agricultural crop residue and other vegetation. Organic material will be mixed with topsoil stockpiles and composted. Any cut woody vegetation and shrubs that are on-site will be chipped separately and stored as compost or soil substitute material, or disposed of off-site.

Topsoil (including ground vegetative material) and subsoil will be removed in a conservative and protective manner and stockpiled separately. Since the topsoil on site varies in thickness, visual inspection will be used to determine the depth of removal in different locations.

Topsoil will be distributed evenly on the reclaimed areas site to a depth of 3 to 6 inches. This distribution will not take place prior to, during, or immediately following a rain event. Soil will be minimally handled to reduce compaction and erosion potential. Once placed, the topsoil surface will be prepared with an implement such as a disk to scarify the surface and provide the seed with adequate contact for germination.

5.3 FUTURE TOPOGRAPHY

See **Figure 6** for the location of future 3:1 slopes and highwalls.

5.4 STRUCTURES

Structures outside of the active quarry area (i.e., those in the residential parcel in the southeastern area of the site) will remain in place and be maintained by the property owner. Equipment and manmade features in the active mining area will be removed during the reclamation process. Erosion control measures used to aid reclamation will remain until soil is adequately stabilized.

5.5 REVEGETATION

Wisconsin DOT No. 10 seed mix will be used at a rate of 3 lbs/1000 ft² for areas requiring revegetation and stabilization following grading, such as side slopes.

Prior to seeding, soil testing will be conducted to understand the nutrient content of the soil. Soil amendments such as fertilizer or lime will be added where necessary to improve the growth of plants. Topsoil will then be spread over the reclaimed areas, fine-graded with appropriate equipment to minimize compaction, and scarified to increase seed contact with the soil.

Seed application will take place during the growing season within 14 days of final grading. Seeding will not be done immediately prior to or following a rain event, or during a period of drought. A broadcast seeder will be used to place the seed. Weed-free mulch will be placed over the seed for erosion control. Seeding and mulching will be conducted in accordance with the most recent edition of the State of Wisconsin Department of Transportation Standard Specifications for Seeding and Mulching. See **Attachment D** for seed mix specifications.

Existing vegetation outside the limits of grading will remain.

5.5.1 Revegetation Standards and Criteria for Success

Revegetation success will be based on the percent of established vegetation. Established vegetation is defined as the amount of area that is covered, shaded, or otherwise intersected by vegetation, indicated as a percentage of the total area. Randomly placed quadrats measuring 1 square meter in area will be used as representative samples of the vegetated areas of the site. One quadrat will be placed every 250 linear feet on the perimeter berms, with no less than 20 randomly placed square meter quadrats over the site. Sampling will occur in the summer following seeding. An average of 70 percent cover of vegetation across the site will be the standard for success.

5.6 EROSION CONTROL

Temporary topsoil and subsoil stockpiles will be surrounded by silt fence or silt sock to prevent sediment loss. Stockpiles and bare soil left undisturbed for 14 or more days will be seeded with a temporary wheat or rye. If bare soils are present at the end of the growing season, erosion control matting or straw blankets will be installed until vegetation is established in the following season. Appropriate measures, such as installing additional controls, will be taken to correct observed erosion issues.

In reclaimed areas, erosion control measures will be installed to minimize soil loss and prevent sediment from entering waterways. After placing topsoil and seeding, erosion control measures such as mulch and/or erosion control matting will be placed over the seeded areas. In areas where

erosion is observed, appropriate measures will be selected and implemented in accordance with Wisconsin Storm Water Technical Standards. These may include silt fence, silt sock, straw bale barricades, or riprap.

Temporary erosion controls will be inspected weekly or within 24 hours of the end of rainfall events exceeding 0.5 inch in a 24-hour period. Remedial action will be initiated if needed. Records of inspections and corrective actions will be maintained until final reclamation is completed.

5.7 INTERIM RECLAMATION

As mining progresses westward, subsoil and overburden will be placed against the southern highwall of previously mined areas and graded to an approximate 3:1 slope. Topsoil will be placed, and the slope will be seeded with WisDOT Seed Mix No. 10 at a rate of 3 lbs/1000 ft² in preparation for final reclamation and to reduce erosion potential. Along the bottom of the previously mined area, subsoil covered by topsoil from stockpiles will be placed and seeded with WisDOT Seed Mix No. 10. Erosion control measures such as mulch and/or erosion control matting will be placed over the seeded areas.

5.8 SCHEDULE OF RECLAMATION ACTIVITIES

A schedule of reclamation activities is listed below:

- Fencing will be installed along the perimeter of the mined area.
- Topsoil will be placed.
- Soil will be scarified.
- Disturbed areas will be seeded and erosion control measures installed as needed.
- Seeded areas will be monitored for vegetation establishment.

Soil slopes of 3:1 will be established along the southern perimeter of the mining area. The eastern, northern, and western perimeter will remain as highwall rock faces, evaluated by a professional engineer as necessary. Reclamation shall be completed within one year after operations have ceased.

5.9 SITE MAINTENANCE AND SCHEDULE OF FINAL SITE ACTIONS

The property owner will monitor the site conditions during the reclamation process. Temporary erosion control measures will be inspected on a weekly basis and after large rain events. Vegetation establishment will be observed during these inspections. Damage to erosion controls, erosion of soil, or unsuitable vegetation coverage will be remedied as appropriate, either by re-installing the erosion control measures or reseeding in areas of weak vegetation establishment.

Once vegetation is established, temporary erosion control measures will be removed. Vegetated areas will be monitored for invasive species, which will be removed by hand-pulling or spot spraying as needed.

Safety measures such as signage, fencing, and gates will be inspected for damage and replaced if necessary.

5.10 CRITERIA FOR SUCCESSFUL RECLAMATION

Successful reclamation will result in a stable site with minimal soil erosion, safe and secure site access, and environmental protection.

Successful reclamation includes:

- Equipment associated with mining activities has been removed from the mining area.
- Upon the completion of final grading, the area has been analyzed using a drone survey or ArcGIS Pro mapping to verify the final topography.
- Fencing has been installed along the perimeter of the mined area.
- Side slopes along the southern perimeter have been graded at a 3:1 slope.
- Remaining highwalls left in place have been analyzed by a professional or otherwise deemed to be stable and safe.
- Vegetated areas will be considered successfully reclaimed when 70 percent cover of vegetation is achieved (see **Section 5.5.1** for details). Vegetative sampling will occur toward the end of the first growing season after final grading and seeding is complete.
- Safety measures, including fencing, access gate, and signage, are in place in good working order.

6.0 LONG-TERM SAFETY

The long-term safety measures for the Hepta S Quarry will consist of fencing and signage. Existing perimeter fences will be left in place, and additional fencing will be installed to encompass the mined area. The fence will be a minimum of 5 feet tall, with a single strand of barbed wire on the top.

There is one entrance to the site on Koshkonong Road. The access gate at the site entrance will remain in place, and “No trespassing” signage will be installed. Evidence of trespassing will be reported to local law enforcement. The property owner will be responsible for maintaining safety measures.

Any remaining highwalls will be analyzed by a professional, and measures will be taken to stabilize the highwalls if necessary, which could include benching.

7.0 FINANCIAL ASSURANCE

Bjoin Limestone, Inc. understands the cost of the mine reclamation process. An estimate of reclamation costs and financial assurance is included in **Attachment E**.

8.0 REFERENCES

Capital Area Regional Planning Commission. Regional Development Framework.

Dane County GIS Map. Accessed May 7, 2026.

<https://dcimapapps.countyofdane.com/dcmaviewer/>

Dane County Land Records Search. Accessed November 4, 2025.

<https://accessdane.danecounty.gov/Parcel/QuickSearch>

Dane County Zoning District Facts Sheet, 2019.

<https://danecountyplanning.com/documents/pdf/Zoning-District-Facts-Sheets/FP-35.pdf>

Mai, H. and Dott Jr., R.H. (1985). A Subsurface Study of the St. Peter Sandstone in Southern and Eastern Wisconsin. University of Wisconsin – Extension, Geological and Natural History Survey, Information Circular, Number 47.

NRCS. Web Soil Survey of Dane County.

Ostrom, M.E. (1978). Lithostratigraphy, Petrology, and Sedimentology of Late Cambrian- Early Ordovician Rocks Near Madison, Wisconsin. University of Wisconsin – Extension, Geological and Natural History Survey, Field Trip Guide Book, Number 3.

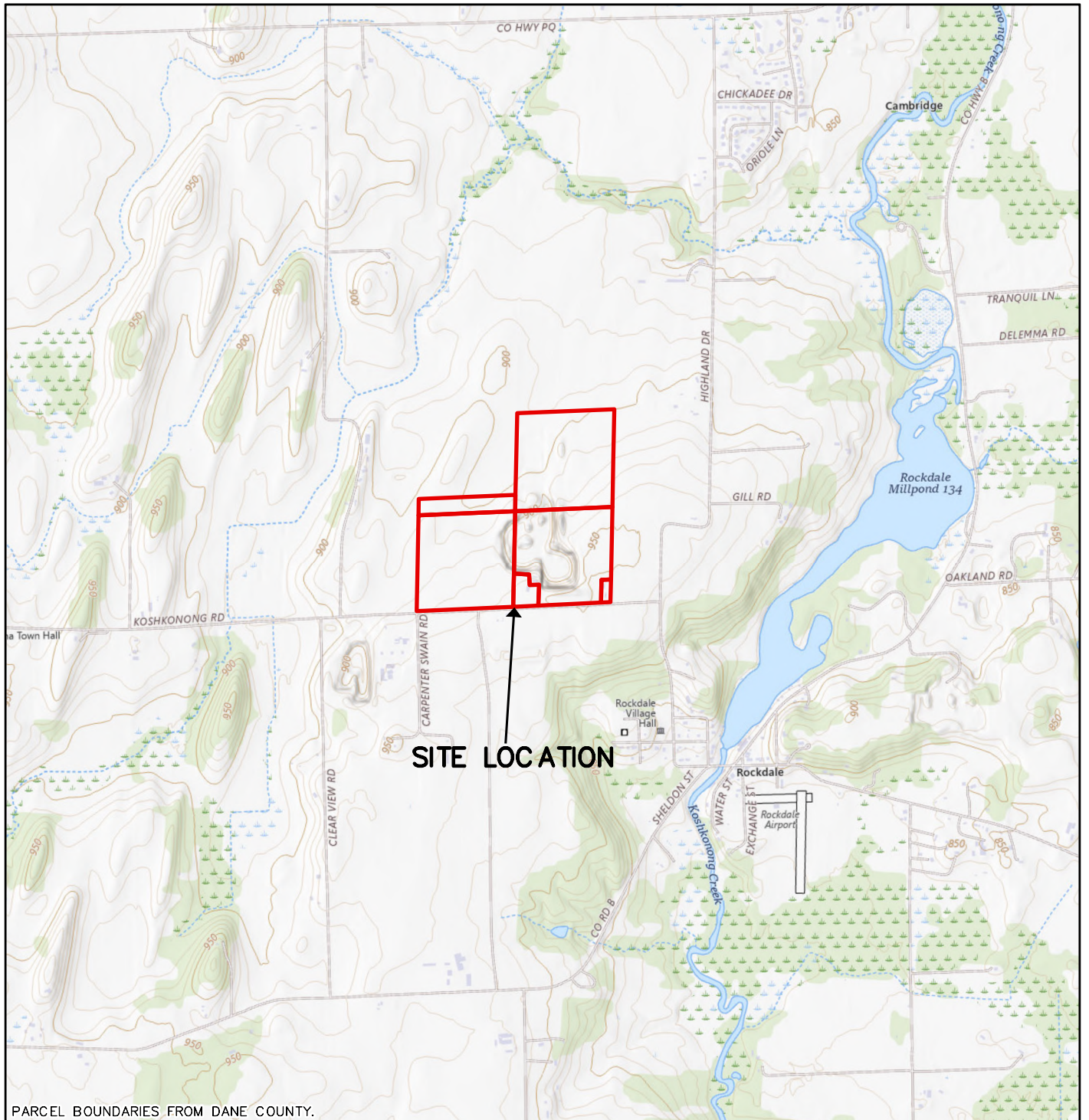
Wisconsin Department of Natural Resources, Surface Water Data Viewer. Accessed November 4, 2025.

Wisconsin Department of Natural Resources, Storm Water Construction Technical Standards.

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Figures

- 1 Site Location
- 2 Site Property Lines, Parcel Numbers, and Owner Identification
- 3 Existing Conditions
- 4 Active Mining Area
- 5 Groundwater Elevation Map
- 6 Reclamation Conditions



USGS THE NATIONAL MAP
OCTOBER 2025

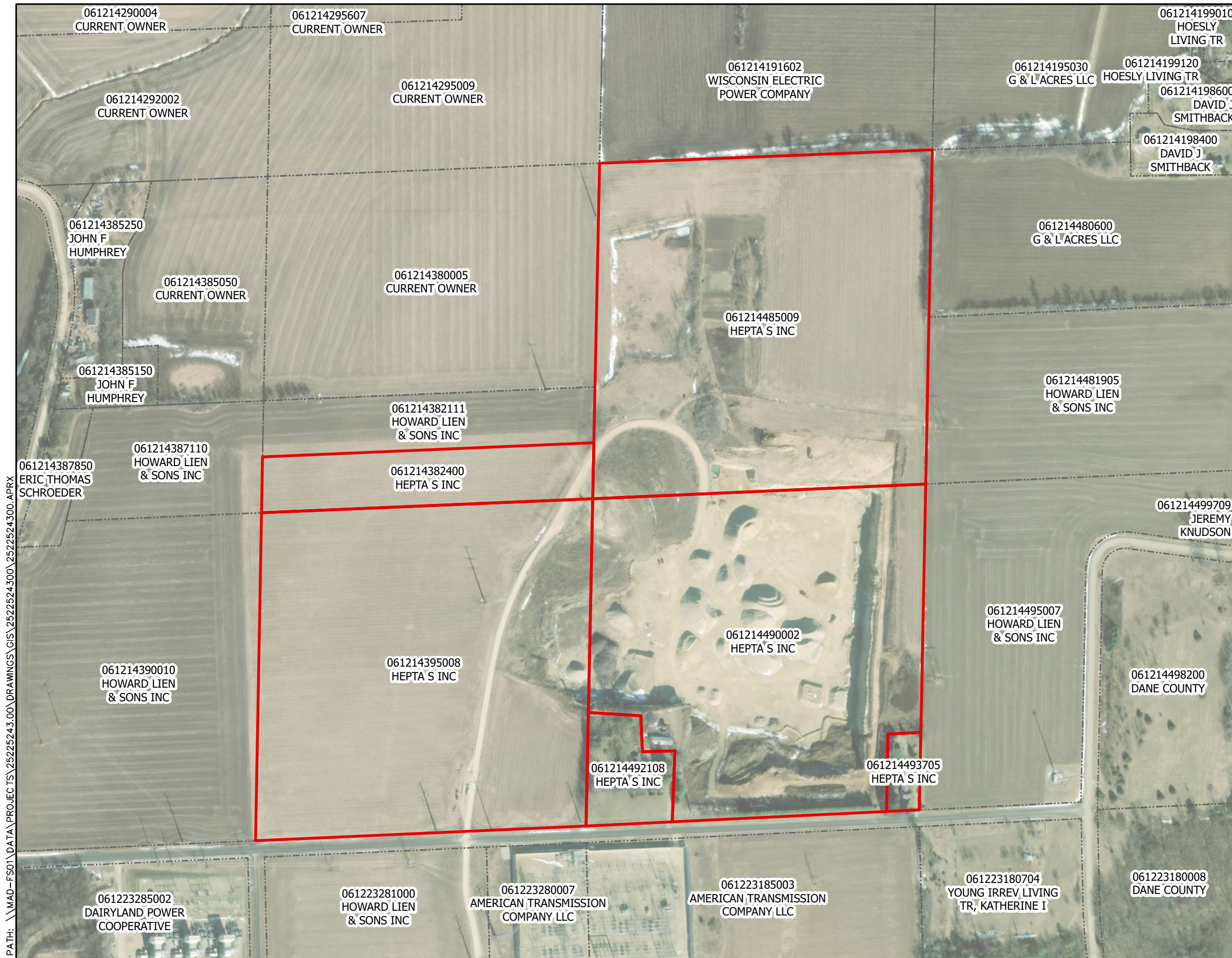
2,000 0 2,000'



SCALE: 1" = 2,000'

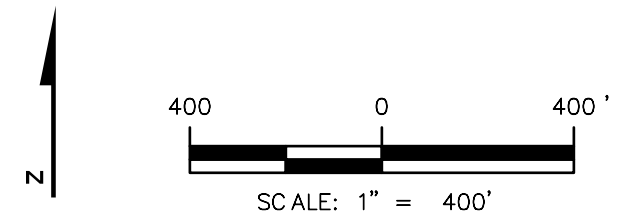


CLIENT BJOIN LESTONE INC. 7308 W. STATE ROAD 11 JANESVILLE, WI 53548	SITE HEPTA S QUARRY 450 KOSHKONONG ROAD CAMBRIDGE, WI 53523	SITE LOCATION	
PROJECT NO. 25225243.00	DRAWN BY: AA	SCS ENGINEERS 2830 DAIRY DRIVE, MADISON, WI 53718-6751 PHONE: (608) 224-2830	FIGURE
DRAWN: 10/29/2025	CHECKED BY: RAR		1
REVISED: 02/06/2026	APPROVED BY: PEG 02/26/2026		



LEGEND

NOTES

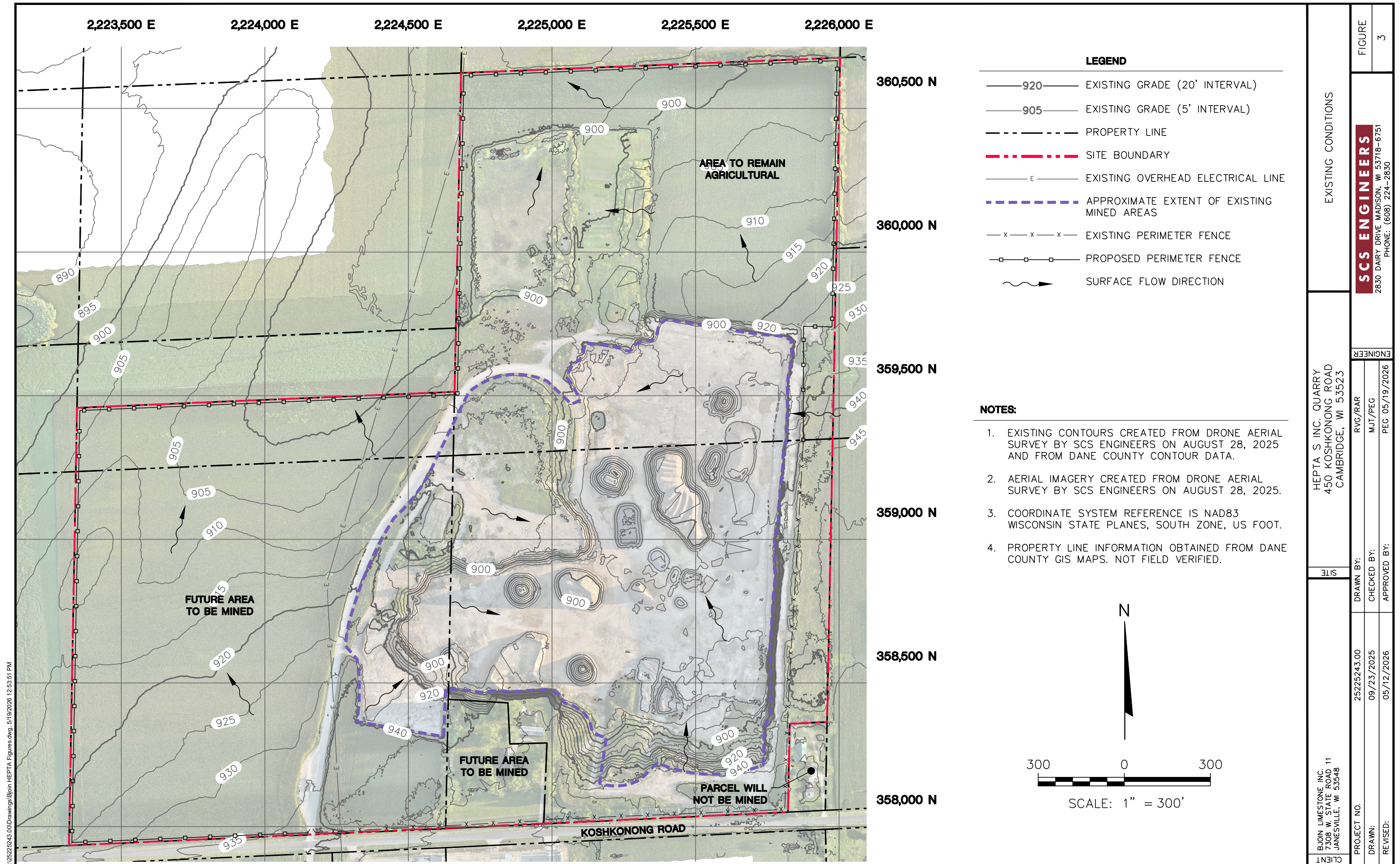


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REVISED:	10/29/2025	APPROVED BY:	PEG 02/26/2026

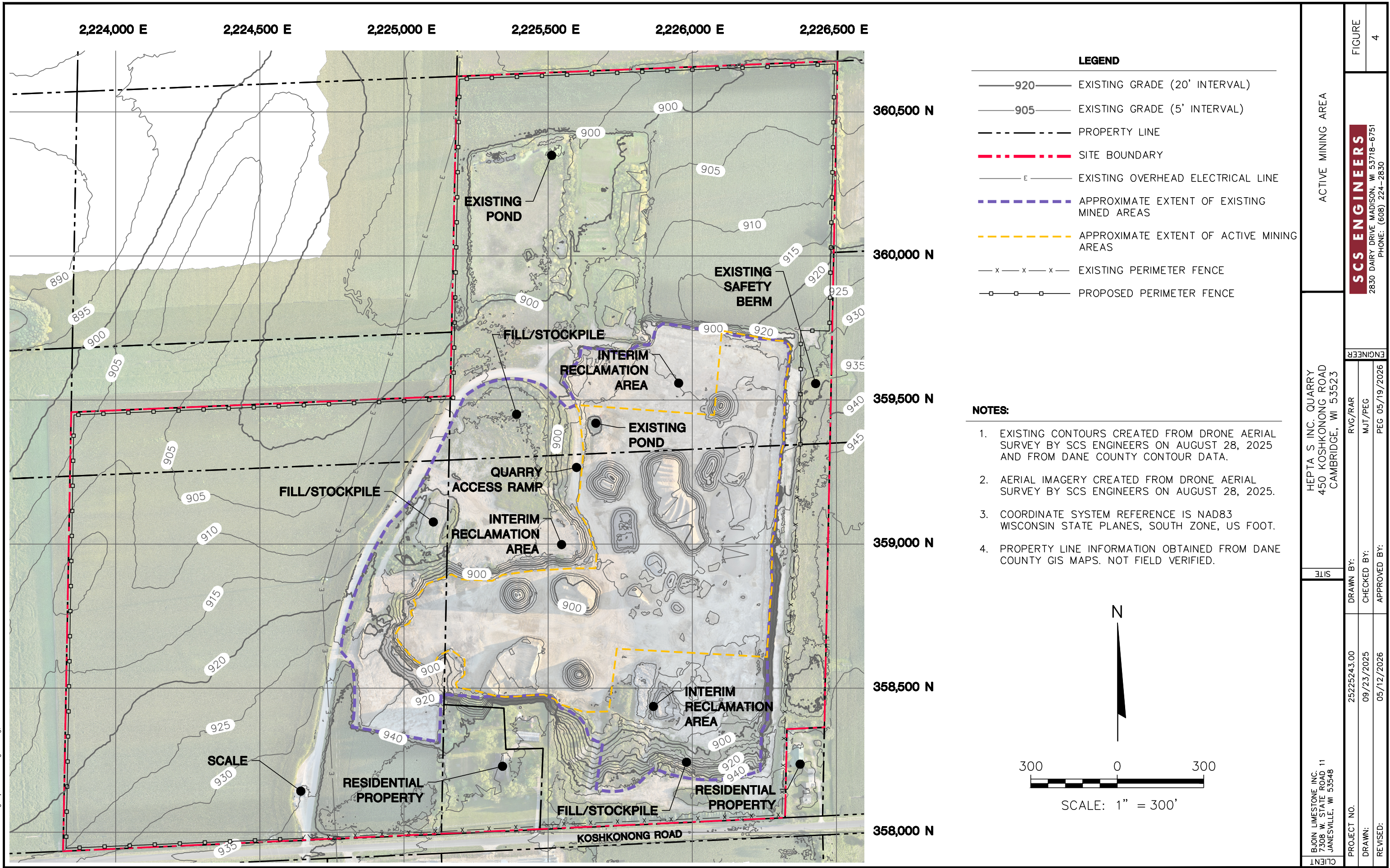
SCS ENGINEERS

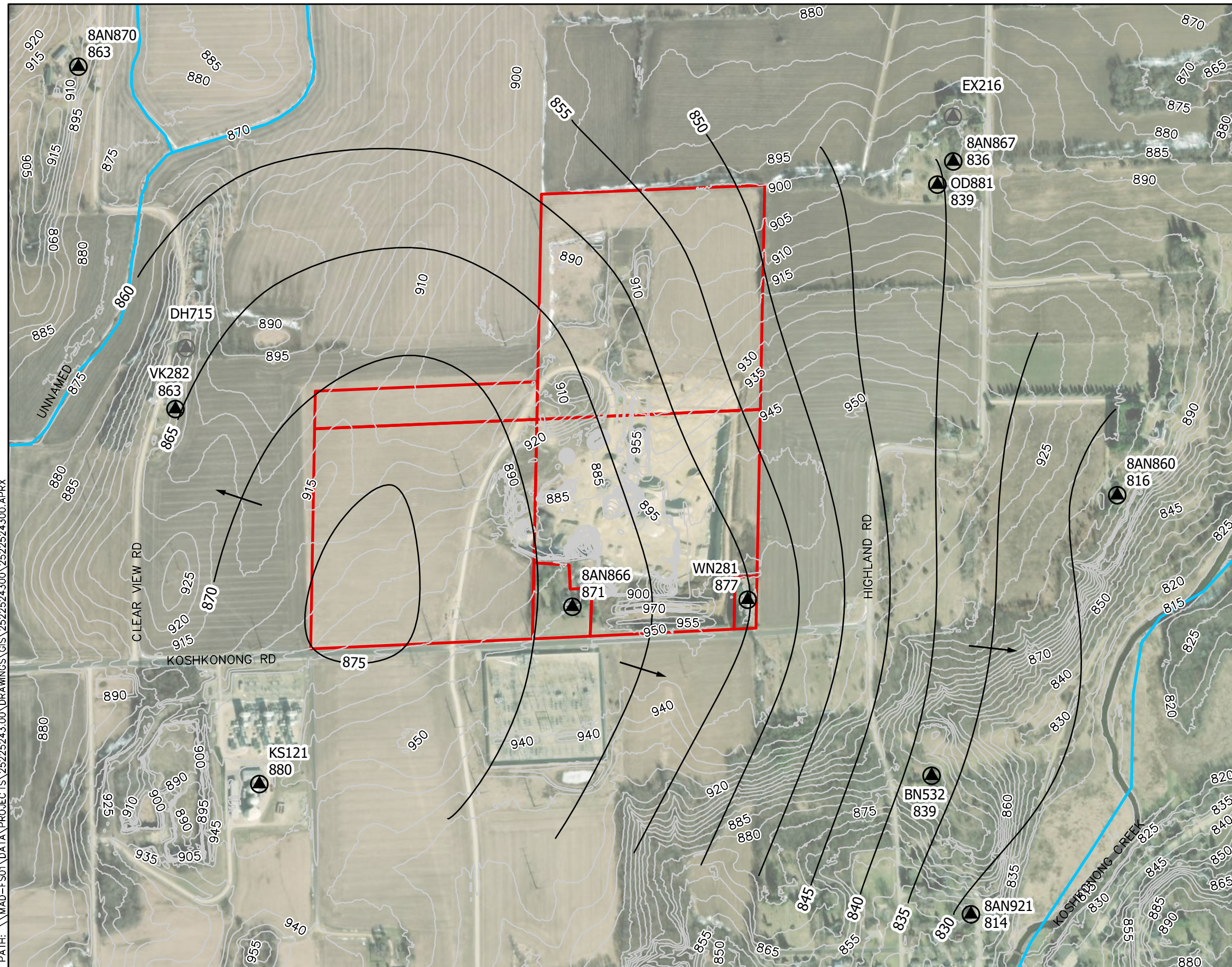
BJOIN LIMESTONE INC.
7308 W. STATE ROAD 11
JANESVILLE, WI 53548

HEPTA S QUARRY
450 KOSHKONONG ROAD
CAMBRIDGE, WI 53523



11/25/2024 3:00 PM Drawings\Bjoin HEPTA Figures.dwg, 5/19/2026 12:53:51 PM





PROJECT NO.	25225243.00	DRAWN BY:	AA
DRAWN:	11/25/2025	CHECKED BY:	RAR
REVISED:	11/25/2025	APPROVED BY:	PEG 02/26/2026

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

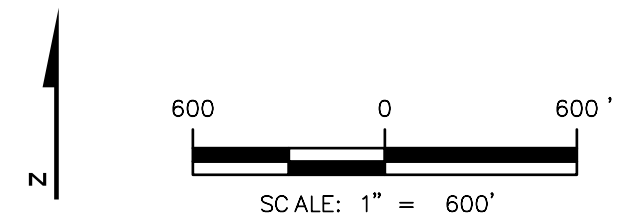
CLIENT	BJOIN LIMESTONE INC. 7308 W. STATE ROAD 11 JANESVILLE, WI 53548
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	SITE	HEPTA S QUARRY 450 KOSHKONONG ROAD CAMBRIDGE, WI 53523
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	GROUNDWATER ELEVATION MAP
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LEGEND

NOTES





Attachment A

Geologic and Waters Information



Attachment A1

Well Construction Forms

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				WN281		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A					
Property Owner HILL, BILL						Phone # (608)832-4880		1. Well Location				Fire # (if avail.)			
Mailing Address 332 KOSHKONONG RD								Town of CHRISTIANA				332			
City CAMBRIDGE						State WI		Zip Code 53523				Street Address or Road Name and Number KOSHKONONG			
County Dane		Co. Permit #		Notification # 30867381		Completed 09-30-2008		Subdivision Name				Lot # Block #			
Well Constructor (Business Name) SAM'S WELL DRILLING INC				Lic. # 370		Facility ID # (Public Wells)				Latitude / Longitude in Decimal Degree (DD) 42.9788 °N -89.0381 °W				Method Code GCD013	
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #		SW SE		Section 14		Township 6 N		Range 12 E			
				Approval Date (mm-dd-yyyy)		or Govt Lot #									
Hicap Permanent Well #		Common Well #		Specific Capacity 0.7		2. Well Type Replacement of previous unique well # constructed in Reason for replaced or reconstructed well ? OLD PTI WELL									
3. Well serves 1 # of Private, potable Heat Exchange ___ # of drillholes				Hicap Well ? No Hicap Property ? No Hicap Potable ?		Construction Type Drilled									
4. Potential Contamination Sources - ON REVERSE SIDE															
5. Drillhole Dimensions and Construction Method															
Dia. (in.) From (ft.) To (ft.)			Upper Enlarged Drillhole			Lower Open Bedrock			8. Geology						
8.75 Surface 121			No Rotary - Mud Circulation			No			Geology Codes Type, Caving/Noncaving, Color, Hardness, etc...						
6 121 162			Yes Rotary - Air			Yes			- - C - Clay Surface 7						
			No Rotary - Air & Foam			No			- - L - Limestone/Dolomite 7 78						
			No Drill-Through Casing Hammer						- - N - Sandstone 78 162						
			No Reverse Rotary												
			No Cable-tool Bit ___ in. dia...			No									
			Dual Rotary												
			Yes Temp. Outer Casing 10in. dia												
			Yes Removed? 3depth ft. (If NO explain on back side)												
6. Casing, Liner, Screen															
Dia. (in.)		Material, Weight, Specification Manufacturer & Method of Assembly				From (ft.)		To (ft.)		9. Static Water Level		11. Well Is			
6		STD BLK, PIPE, .280 WALL, P.E., A53B WHEATLAND				Surface		121		73 ft. below ground surface		24 in. above grade			
Dia. (in.)		Screen type, material & slot size				From (ft.)		To (ft.)		10. Pump Test		Developed ? Yes			
										Pumping level 100 ft. below surface		Disinfected ? Yes			
										Pumping at 20 GP M for 1 Hrs.		Capped ? Yes			
										Pumping Method ?					
7. Grout or Other Sealing Material															
Method Tremie Pipe - Pumped															
Kind of Sealing Material				From (ft.)		To (ft.)		# Sacks Cement		12. Notified Owner of need to fill & seal ?					
Neat cement grout				Surface		121		30 S		Filled & Sealed Well(s) as needed? Yes					
13. Constructor / Supervisory Driller															
JVG				Lic #		Date Signed									
Drill Rig Operator				Lic or Reg #		Date Signed									
JS						09-30-2008									

4a. Potential Contamination Sources

Is the well located in floodplain ? No

Comment:

Created On: 10-13-2008

Updated On: 12-11-2019

1. COUNTY DANE		CHECK ONE ☒ Town ☐ Village ☐ City		NAME CHRISTIANA	
2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.) S14 T6N R12E SW, SW, SE, Sec. 14 <i>per topo map + plat b/c's</i>					
3. OWNER AT TIME OF DRILLING CHARLES MICHEL					
4. OWNER'S COMPLETE MAIL ADDRESS RT 2 CAMBRIDGE					
5. Distance in feet from well to nearest: (Record answer in appropriate block)		BUILDING	SANITARY SEWER	FLOOR DRAIN	FOUNDATION DRAIN
		C.I.	TILE	C.I.	TILE
		5	60		
				SEWER CONNECTED	INDEPENDENT
CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN
C.I.	TILE				SILO
	75		100		200 200
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)					

RECEIVED

FEB 21 1966

SANITARY
ENGINEERING

6. Well is intended to supply water for:

FARM

7. DRILLHOLE						10. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
10	Surface	0	41			grey limestone	Surface	90
6	41	168				Sandstone	90	168
8. CASING, LINER, CURBING, AND SCREEN								
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)				
6	st. wt		Surface	41				
9. GROUT OR OTHER SEALING MATERIAL								
Kind			From (ft.)	To (ft.)				
mal cement			Surface	41				
11. MISCELLANEOUS DATA						Well construction completed on FEB 11 1966		
Yield test:		30	Hrs. at	15	GPM	Well is terminated 8 inches ☒ above ☐ below final grade		
Depth from surface to normal water level		74	ft.			Well disinfected upon completion ☒ Yes ☐ No		
Depth to water level when pumping		89	ft.			Well sealed watertight upon completion ☒ Yes ☐ No		
Water sample sent to Melison						laboratory on: Feb 14 1966		

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE John J. Huber		COMPLETE MAIL ADDRESS Edgerton RA 3 Box 474 Wis	
Registered Well Driller			
Please do not write in space below			
COLIFORM TEST RESULT 7112	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED
		REMARKS plot 676006	

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				KS121		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A					
Property Owner ROCK GEN ENERGY LLC						Phone #		1. Well Location				Fire # (if avail.)			
Mailing Address 650 DUNDEE RD #350								Town of CHRISTIANA							
City NORTHBROOK						State IL		Zip Code 60062							
County Dane		Co. Permit #		Notification #		Completed 04-09-2001		Street Address or Road Name and Number ENTER OFF OF CLEAR VIEW RD							
								Subdivision Name				Lot #			
												Block #			
Well Constructor (Business Name) C T W CORP				Lic. # 364		Facility ID # (Public Wells)		Latitude / Longitude in Decimal Degree (DD) °N °W				Method Code			
Address 21500 W GOOD HOPE RD LANNON WI 53046-9720				Well Plan Approval #		SW		NW		Section 23		Township 6 N		Range 12 E	
						or Govt Lot #									
Approval Date (mm-dd-yyyy) 01-22-2001						2. Well Type Replacement of previous unique well # KS117 constructed in 2001									
Hicap Permanent Well # 3062		Common Well # 005		Specific Capacity 10		Reason for replaced or reconstructed well ? ORIGINAL TOO CLOSE TO FUE									
3. Well serves # of OFFICE TO POWER PLANT						Hicap Well ? No		Construction Type Drilled							
Private, potable						Hicap Property ? Yes									
Heat Exchange ___ # of drillholes						Hicap Potable ?									
4. Potential Contamination Sources - ON REVERSE SIDE															
5. Drillhole Dimensions and Construction Method															
Dia. (in.)			From (ft.)			To (ft.)			Upper Enlarged Drillhole Lower Open Bedrock Rotary - Mud Circulation <u>Yes</u> Rotary - Air <u>No</u> Rotary - Air & Foam Drill-Through Casing Hammer Reverse Rotary Cable-tool Bit ___ in. dia... Dual Rotary Temp. Outer Casing ___ in. dia Removed? ___ depth ft. (If NO explain on back side)						
10			Surface			100									
6			100			215									
8. Geology															
Geology Codes				Type, Caving/Noncaving, Color, Hardness, etc...				From (ft.)		To (ft.)					
T H L N				LIMESTONE, BROWN, HARD, SOME SANDSTONE				Surface		70					
- - N H				SANDSTONE ORANGE TO WHITE W/SHALE LAYERS				70		135					
G - L H				DOLOMITE GRAY W/SHALE LAYERS				135		215					
6. Casing, Liner, Screen															
Dia. (in.)		Material, Weight, Specification Manufacturer & Method of Assembly				From (ft.)		To (ft.)		9. Static Water Level 59.5 ft. below ground surface					
6		CASING, STEEL, 20.9# A53B, NKK, WELDED				Surface		100							
Dia. (in.)		Screen type, material & slot size				From (ft.)		To (ft.)		11. Well Is 24 in. above grade					
										Developed ? Yes					
										Disinfected ? Yes					
										Capped ? Yes					
7. Grout or Other Sealing Material															
Method TREMIE PUMPED															
Kind of Sealing Material		From (ft.)		To (ft.)		# Sacks Cement		12. Notified Owner of need to fill & seal ? Filled & Sealed Well(s) as needed? No BUT WE WILL							
CEMENT GROUT		Surface		100		87 S									
13. Constructor / Supervisory Driller															
WAC				Lic #				Date Signed 05-02-2001							
Drill Rig Operator				Lic or Reg #				Date Signed							
CGM								05-17-2001							

4a. Potential Contamination Sources

Is the well located in floodplain ?

Comment:

Created On: 07-19-2001

Updated On: 07-24-2001

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				VK282		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A				
Property Owner LIEN & SONS INC/HOWARD						Phone # (608)423-4048		1. Well Location				Fire # (if avail.)		
Mailing Address 450 HWY B						Town of CHRISTIANA						2466		
City CAMBRIDGE						State WI		Zip Code 53523				Street Address or Road Name and Number CLEARVIEW RD		
County Dane		Co. Permit # 25495		Notification # 20805666		Completed 09-07-2005		Subdivision Name			Lot #		Block #	
Well Constructor (Business Name) SAM'S WELL DRILLING INC				Lic. # 370		Facility ID # (Public Wells)				Latitude / Longitude in Decimal Degree (DD) 42.982 °N -89.0507 °W			Method Code GCD013	
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #		NW SW		Section 14		Township 6 N		Range 12 E		
						or Govt Lot #								
Approval Date (mm-dd-yyyy)				2. Well Type Replacement		of previous unique well # constructed in								
Hicap Permanent Well #		Common Well #		Specific Capacity 0.2		Reason for replaced or reconstructed well ? OLD WELL GONE DRY								
3. Well serves 1 # of				Hicap Well ? No		Construction Type Drilled								
Private, potable				Hicap Property ? No										
Heat Exchange ___ # of drillholes				Hicap Potable ?										
4. Potential Contamination Sources - ON REVERSE SIDE														
5. Drillhole Dimensions and Construction Method														
Dia. (in.) From (ft.) To (ft.)			Upper Enlarged Drillhole				Lower Open Bedrock				8. Geology			
8.75 Surface 118			<u>Yes</u> Rotary - Mud Circulation <u>No</u>				Geology Codes				Type, Caving/Noncaving, Color, Hardness, etc...			
6 118 182			<u>No</u> Rotary - Air <u>Yes</u>				- - C - Clay				From (ft.) To (ft.) Surface 10			
			<u>No</u> Rotary - Air & Foam <u>No</u>				- - Z - Clay & Gravel				10 35			
			<u>No</u> Drill-Through Casing Hammer				- - Y - Sand & Gravel				35 105			
			<u>No</u> Reverse Rotary				- - C - Clay				105 116			
			<u>No</u> Cable-tool Bit ___ in. dia... <u>No</u>				- - L - Limestone/Dolomite				116 175			
			Dual Rotary				- - N - Sandstone				175 182			
			<u>Yes</u> Temp. Outer Casing 10in. dia											
			<u>Yes</u> Removed? 3depth ft. (If NO explain on back side)											
6. Casing, Liner, Screen														
Dia. (in.)		Material, Weight, Specification Manufacturer & Method of Assembly				From (ft.)		To (ft.)		9. Static Water Level				
6		STD BLK, PIPE, .280 WALL, P.E., A53B WHEATLAND				Surface		118		59 ft. below ground surface				
Dia. (in.)		Screen type, material & slot size				From (ft.)		To (ft.)		10. Pump Test				
										Pumping level 140 ft. below surface				
										Pumping at 20 GP M for 1 Hrs.				
										Pumping Method ?				
7. Grout or Other Sealing Material														
Method														
Kind of Sealing Material				From (ft.)		To (ft.)		# Sacks Cement		11. Well Is				
Drill mud and cuttings				Surface						18 in. above grade				
										Developed ? Yes				
										Disinfected ? Yes				
										Capped ? Yes				
12. Notified Owner of need to fill & seal ?														
Filled & Sealed Well(s) as needed? Yes														
13. Constructor / Supervisory Driller								Lic #		Date Signed				
JVG										09-07-2005				
Drill Rig Operator								Lic or Reg #		Date Signed				
JS										09-07-2005				

4a. Potential Contamination SourcesIs the well located in floodplain ? No

Type	Qualifier	Distance	Type	Qualifier	Distance
POWTS dispersal component (soil absorption unit or mound)		100	Building Overhang		55
			Septic or Holding, or POWTS Tank		75

Comment:

Created On: 09-20-2005

Updated On: 12-11-2019

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				DH715		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A									
Property Owner FRANCIS@EVE REINER						Phone # (608)423-3896		1. Well Location				Fire # (if avail.)							
Mailing Address 2490 CLEARVIEW RD						Town of CHRISTIANA						Street Address or Road Name and Number							
City CAMBRIDGE				State WI		Zip Code 53523													
County Dane		Co. Permit #		Notification #		Completed		Subdivision Name				Lot #		Block #					
Well Constructor (Business Name)				Lic. #		Facility ID # (Public Wells)				Latitude / Longitude in Decimal Degree (DD)				Method Code					
Address				Well Plan Approval #		Approval Date (mm-dd-yyyy)		°N		°W		NW SW Section Township Range or Govt Lot # 14 6 N 12 E							
Hicap Permanent Well #				Common Well #		Specific Capacity				2. Well Type of previous unique well # constructed in Reason for replaced or reconstructed well ? Construction Type									
3. Well serves # of				Hicap Well ?															
Private, potable				Hicap Property ?															
Heat Exchange ___ # of drillholes				Hicap Potable ?															
4. Potential Contamination Sources - ON REVERSE SIDE																			
5. Drillhole Dimensions and Construction Method												8. Geology							
Upper Enlarged Drillhole Lower Open Bedrock Rotary - Mud Circulation Rotary - Air Rotary - Air & Foam Drill-Through Casing Hammer Reverse Rotary Cable-tool Bit ___ in. dia... Dual Rotary Temp. Outer Casing ___ in. dia Removed? ___ depth ft. (If NO explain on back side)																			
6. Casing, Liner, Screen												9. Static Water Level				11. Well Is			
Dia. (in.)		Screen type, material & slot size				From (ft.)		To (ft.)		___ ft. ___ ground surface				___ in. ___ Grade					
7. Grout or Other Sealing Material Method												10. Pump Test				Developed ? Disinfected ? Capped ?			
												Pumping level ___ ft. below surface							
												Pumping at ___ GP for ___ Hrs. Pumping Method ?							
12. Notified Owner of need to fill & seal ? Filled & Sealed Well(s) as needed?												13. Constructor / Supervisory Driller				Lic #		Date Signed	
												Drill Rig Operator				Lic or Reg #		Date Signed	

4a. Potential Contamination Sources

Is the well located in floodplain ?

Comment:

Created On: 12-03-2021

Updated On: 07-11-2023

Note: This well was inventoried. A well construction report was not submitted.

Well Depth: 80'

Bedrock Depth:

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				OD881		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A																	
Property Owner SMITHBACK, DAVE						Phone # (608)423-4734		1. Well Location				Fire # (if avail.)															
Mailing Address 2505 HIGHLAND RD						Town of CHRISTIANA						Street Address or Road Name and Number															
City CAMBRIDGE						State WI		Zip Code 53523				2505 HIGHLAND RD															
County Dane		Co. Permit # 17308		Notification #		Completed 07-05-2000		Subdivision Name				Lot #		Block #													
Well Constructor (Business Name) BRAD WEBSTER & SONS DRILLING				Lic. # 6574		Facility ID # (Public Wells)				Latitude / Longitude in Decimal Degree (DD) 42.9855 °N -89.0338 °W				Method Code GCD013													
Address N2323 PINE HOLLOW RD POYNETTE WI 53955				Well Plan Approval #		SE NE Section Township Range or Govt Lot # 14 6 N 12 E				2. Well Type Replacement																	
						Approval Date (mm-dd-yyyy)				of previous unique well # constructed in																	
Hicap Permanent Well #		Common Well #		Specific Capacity 1.1		Reason for replaced or reconstructed well ?				Construction Type Drilled																	
3. Well serves 1 # of Private, potable						Hicap Well ? No		Hicap Property ? No																			
Heat Exchange ___ # of drillholes						Hicap Potable ?		Reason for replaced or reconstructed well ?																			
4. Potential Contamination Sources - ON REVERSE SIDE												5. Drillhole Dimensions and Construction Method		8. Geology													
Dia. (in.)		From (ft.)		To (ft.)		Upper Enlarged Drillhole				Lower Open Bedrock		Geology Codes		Type, Caving/Noncaving, Color, Hardness, etc...		From (ft.)		To (ft.)									
9		Surface		60		Rotary - Mud Circulation				Rotary - Air		Rotary - Air & Foam		Drill-Through Casing Hammer		Reverse Rotary		Cable-tool Bit ___ in. dia...		Dual Rotary		Temp. Outer Casing 10in. dia		Removed? ___ depth ft. (If NO explain on back side)		T C BROWN CLAY Surface 14	
6		60		205		Yes				Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes			
6. Casing, Liner, Screen						Dia. (in.)		Material, Weight, Specification Manufacturer & Method of Assembly				From (ft.)		To (ft.)		9. Static Water Level				11. Well Is							
6 SAWHILL A53B P.E. .280 WALL						Surface		60		Pumping level 79 ft. below surface				Pumping at 12 GP M for 3 Hrs.				Pumping Method ?				Developed ? Yes					
Dia. (in.) Screen type, material & slot size						From (ft.)		To (ft.)		Filled & Sealed Well(s) as needed?				Yes				Yes		Yes							
7. Grout or Other Sealing Material						Method PRESSURE TREMIE		Kind of Sealing Material				From (ft.)		To (ft.)		# Sacks Cement				13. Constructor / Supervisory Driller		Lic #		Date Signed			
NEAT CEMENT						Surface		60		10 S				BW				07-05-2000		Drill Rig Operator		Lic or Reg #		Date Signed			
RW						07-05-2000		07-05-2000				07-05-2000				07-05-2000		07-05-2000		07-05-2000							

4a. Potential Contamination SourcesIs the well located in floodplain ? No

Type	Qualifier	Distance	Type	Qualifier	Distance
POWTS dispersal component (soil absorption unit or mound)	>	100	Landfill	>	1200
Building Overhang		42	Sewer - Building Sanitary		50
			Septic or Holding, or POWTS Tank	>	75

Comment:

Created On: 11-28-2000

Updated On: 12-11-2019

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				EX216		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A						
Property Owner					Phone #			1. Well Location				Fire # (if avail.)				
Mailing Address							Village of CAMBRIDGE					Street Address or Road Name and Number 2521 HIGHLAND DR				
City			State		Zip Code		Subdivision Name							Lot #		Block #
County		Co. Permit #		Notification #								Completed 01-01-1979				
Well Constructor (Business Name)					Lic. #		Facility ID # (Public Wells)			Latitude / Longitude in Decimal Degree (DD)				Method Code		
Address					Well Plan Approval #			°N		°W		UN UN Section Township Range or Govt Lot # 14 6 N 12 E				
								Approval Date (mm-dd-yyyy)								
Hicap Permanent Well #			Common Well #			Specific Capacity			2. Well Type of previous unique well # constructed in Reason for replaced or reconstructed well ? Construction Type							
3. Well serves # of					Hicap Well ?											
Private, potable					Hicap Property ?											
Heat Exchange ____ # of drillholes					Hicap Potable ?											
4. Potential Contamination Sources - ON REVERSE SIDE																
5. Drillhole Dimensions and Construction Method													8. Geology			
Upper Enlarged Drillhole Lower Open Bedrock Rotary - Mud Circulation Rotary - Air Rotary - Air & Foam Drill-Through Casing Hammer Reverse Rotary Cable-tool Bit ____ in. dia... Dual Rotary Temp. Outer Casing ____ in. dia Removed? ____ depth ft. (If NO explain on back side)																
6. Casing, Liner, Screen													9. Static Water Level		11. Well Is	
Dia. (in.)		Screen type, material & slot size					From (ft.)		To (ft.)		____ ft. ____ ground surface		____ in. ____ Grade			
7. Grout or Other Sealing Material													10. Pump Test		Developed ? Disinfected ? Capped ?	
Method													Pumping level ____ ft. below surface Pumping at ____ GP for ____ Hrs. Pumping Method ?			
Filled & Sealed Well(s) as needed?													12. Notified Owner of need to fill & seal ?			
													Filled & Sealed Well(s) as needed?			
													Filled & Sealed Well(s) as needed?			
13. Constructor / Supervisory Driller							Lic #		Date Signed							
Drill Rig Operator							Lic or Reg #		Date Signed							

4a. Potential Contamination Sources

Is the well located in floodplain ?

Comment:

Created On: 12-03-2021

Updated On: 07-21-2024

Note: This well was inventoried. A well construction report was not submitted.

Well Depth:

Bedrock Depth:

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				BN532		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A			
Property Owner DANE COUNTY PARK COMMISSION						Phone #		1. Well Location				Fire # (if avail.)	
Mailing Address 4318 ROBERTSON RD						Town of CHRISTIANA							
City MADISON						State WI		Zip Code 53714					
County Dane		Co. Permit #		Notification #		Completed 08-16-1974		Subdivision Name				Lot #	
								Block #					
Well Constructor (Business Name) FOUR LAKES WELL DRILLING				Lic. #		Facility ID # (Public Wells) 113029400				Latitude / Longitude in Decimal Degree (DD) 42.97591 °N -89.03408 °W			
						Well Plan Approval #				NE NE Section Township Range or Govt Lot # 23 6 N 12 E			
Address MADISON WI 53711						Approval Date (mm-dd-yyyy)				2. Well Type New Well			
Hicap Permanent Well #				Common Well # 003		Specific Capacity 1.7				of previous unique well # constructed in			
3. Well serves 1 # of PARK				Hicap Well ? No						Reason for replaced or reconstructed well ?			
Non-community				Hicap Property ? No									
Heat Exchange ___ # of drillholes				Hicap Potable ?						Construction Type Drilled			
4. Potential Contamination Sources - ON REVERSE SIDE													
5. Drillhole Dimensions and Construction Method													
Dia. (in.) From (ft.) To (ft.)			Upper Enlarged Drillhole Lower Open Bedrock										
8 Surface 41.25			No Rotary - Mud Circulation No										
6 41.25 235			No Rotary - Air No										
			No Rotary - Air & Foam No										
			No Drill-Through Casing Hammer										
			No Reverse Rotary										
			No Cable-tool Bit ___ in. dia... No										
			Dual Rotary										
			No Temp. Outer Casing ___ in. dia										
			No Removed? ___ depth ft. (If NO explain on back side)										
8. Geology													
Geology Codes			Type, Caving/Noncaving, Color, Hardness, etc...						From (ft.) To (ft.)				
T C			DRIFT & CLAY						Surface 8				
L			LIMESTONE						8 23				
N			SANDSTONE						23 84				
H L			SHALE-LIMESTONE & FLINT						84 111				
X L N			LIMESTONE & SANDSTONE LAYERS						111 235				
6. Casing, Liner, Screen													
Dia. (in.)		Material, Weight, Specification Manufacturer & Method of Assembly				From (ft.) To (ft.)							
6		NEW BLACK STEEL PE 18.97 LB/FT				Surface 41.25							
Dia. (in.)		Screen type, material & slot size				From (ft.) To (ft.)							
7. Grout or Other Sealing Material													
Method													
Kind of Sealing Material				From (ft.) To (ft.)		# Sacks Cement							
NEAT FORCED CEMENT				Surface 41.25									
9. Static Water Level													
53 ft. below ground surface													
10. Pump Test													
Pumping level 76 ft. below surface													
Pumping at 40 GP for 4 Hrs.													
Pumping Method ?													
11. Well Is													
10 in. above grade													
Developed ? No													
Disinfected ? Yes													
Capped ? Yes													
12. Notified Owner of need to fill & seal ?													
Filled & Sealed Well(s) as needed? No													
13. Constructor / Supervisory Driller													
Lic #				Date Signed									
				08-16-1974									
Drill Rig Operator				Lic or Reg #				Date Signed					

4a. Potential Contamination Sources

Is the well located in floodplain ? No

Comment:

Created On: 04-06-2002

Updated On: 07-11-2023

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

AUG 29 1975

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

1. COUNTY Dane			CHECK ONE ☒ Town ☐ Village ☐ City			NAME Christiana		
2. LOCATION - NE-SW		1/4 Section NW-SW	Section 13	Township 6N	Range 12E	3. OWNER AT TIME OF DRILLING Mrs. N. T. Gill		
OR - Grid or street no.		Street name Highland Drive				ADDRESS Rt. 2		
AND - If available subdivision name, lot & block no.						POST OFFICE Cambridge, Wi. 53523		
4. Distance in feet from well to nearest: x means none (Record answer in appropriate block)			BUILDING over 200	SANITARY SEWER C. I. x TILE x	FLOOR DRAIN C. I. x TILE x	FOUNDATION DRAIN SEWER CONNECTED x INDEPENDENT x		WASTE WATER DRAIN C. I. x TILE x
CLEAR WATER DRAIN C. I. x TILE x	SEPTIC TANK over 200	PRIVY x	SEEPAGE PIT x	ABSORPTION FIELD over 200	BARN x	SILO x	ABANDONED WELL x	SINK HOLE x
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.) x								
5. Well is intended to supply water for: Residence								
6. DRILLHOLE						9. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind		To (ft.)
8	Surface	63'1"	6	63'1"	207	Clay		3
						Lime Rock		39
7. CASING, LINER, CURBING, AND SCREEN								
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)				
6	P.E. New Black Steel		Surface	63'1"		Sandstone		102
	18.97#'					Sandstone & Chert		111
						Shale		114
						Sandstone		121
						Lime Rock		181
						Sandstone		207
8. GROUT OR OTHER SEALING MATERIAL						10. TYPE OF DRILLING MACHINE USED		
Kind			From (ft.)	To (ft.)		☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary ☒ Rotary - air w/drilling mud ☐ Rotary - hammer with drilling mud & air ☐ Jetting with Air ☐ Water		
Neat Forced Cement			Surface	63'1"		Well construction completed on May 19 1975		
11. MISCELLANEOUS DATA						Well is terminated 10 inches ☒ above ☐ below final grade		
Yield test: 4 Hrs. at 25 GPM			Depth from surface to normal water level 90 ft.			Well disinfected upon completion ☒ Yes ☐ No		
Depth to water level when pumping 98 ft.			Well sealed watertight upon completion ☒ Yes ☐ No					
Water sample sent to Madison #68878						laboratory on: May 19 1975		
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.								
SIGNATURE <i>Marvin A. Wellman</i> Registered Well Driller						COMPLETE MAIL ADDRESS Jefferson Well Drilling Co. 1207 So. Main Jefferson, Wi. 53549		
Please do not write in space below								
COLIFORM TEST RESULT 7105		GAS - 24 HRS.		GAS - 48 HRS.		CONFIRMED		REMARKS plot 676004

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY <u>DANE</u>		CHECK ONE ☒ Town ☐ Village ☐ City		NAME <u>CHRISTINA</u>	
2. LOCATION - 1/4 Section <u>NE</u> Section <u>23</u> Township <u>6N</u> Range <u>12E</u>		3. OWNER AT TIME OF DRILLING <u>Key Homes, Inc.</u>			
OR - Grid or street no. Street name		ADDRESS			
AND - If available subdivision name, lot & block no.		POST OFFICE <u>MADISON, WIS</u>			
4. Distance in feet from well to nearest: (Record answer in appropriate block)		BUILDING C.I.	SANITARY SEWER TILE	FLOOR DRAIN C.I.	FOUNDATION DRAIN SEWER CONNECTED INDEPENDENT
		<u>7</u>			
CLEAR WATER DRAIN C.I.	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN SILO ABANDONED WELL SINK HOLE
<u>X</u>					
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)					
5. Well is intended to supply water for: <u>HOMES</u>					
6. DRILLHOLE				9. FORMATIONS	
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>8</u>	<u>Surface</u>	<u>43</u>			
<u>6</u>	<u>43</u>	<u>82</u>			
7. CASING, LINER, CURBING, AND SCREEN					
Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)		
<u>6"</u>	<u>STD DIK PIPE</u>	<u>Surface</u>	<u>43</u>	<u>CLAY</u>	
	<u>.280 WALL</u>			<u>CLAY & GRAVEL</u>	
	<u>18.97 WT.</u>			<u>SAND</u>	
	<u>WELD FTS.</u>			<u>SAND ROCK</u>	
8. GROUT OR OTHER SEALING MATERIAL				10. TYPE OF DRILLING MACHINE USED	
Kind		From (ft.)	To (ft.)		
<u>MUD SCOTTINGS</u>		<u>Surface</u>	<u>43</u>		
				☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary ☐ Rotary - air w/drilling mud ☒ Rotary - hammer with drilling mud & air ☐ Jetting with Air Water	
11. MISCELLANEOUS DATA				Well construction completed on <u>7-3</u> 19 <u>75</u>	
Yield test:	<u>2</u>	Hrs. at	<u>10</u>	GPM	
Depth from surface to normal water level	<u>12</u>	ft.		Well is terminated <u>12</u> inches	☒ above final grade ☐ below
Depth to water level when pumping	<u>50</u>	ft.		Well disinfected upon completion	☒ Yes ☐ No
Water sample sent to <u>MADISON</u>				laboratory on: <u>7-3</u> 19 <u>75</u>	
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.					
SIGNATURE <u>[Signature]</u> Registered Well Driller				COMPLETE MAIL ADDRESS <u>SAM'S ROTARY DRILLERS,</u> <u>ROUTE 1 -</u> <u>RANDOLPH, WISCONSIN 53956</u>	
Please do not write in space below					
COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS	
<u>7167</u>					

Attachment A2
Dane County Geologic Cross Section

GEOLOGIC UNITS

Quaternary deposits

Q Patchy loess deposits (not shown) drape stable, relatively flat upland surfaces throughout Dane County. Glacial sediment is as much as 372 feet (113 m) in buried valleys and under the Madison lakes; it is absent in the unglaciated part of the county.

Ordovician

Sinnipee Group

Os The three formations that make up the Sinnipee group are not separated at this scale, but are easily distinguishable in outcrops, drill cuttings, and core.

Galena Formation

Dolomite and cherty dolomite; uneroded thickness is about 220 feet (67 m) under East Blue Mound on west edge of county.

Decorah Formation

Shaly dolomite; reaches a maximum thickness of 10 feet (3 m) in west-central Dane County.

Platteville Formation

Dolomite and shaly dolomite, gray to buff, fine to medium texture; maximum thickness is approximately 80 feet (24 m).

Ancell Group

Oa The Ancell Group is not divided here, but the following formations and members can be recognized in outcrops and in subsurface samples.

Glenwood Formation

Sandstone, siltstone, and/or shale; yellow-brown to green; discontinuous and variable in lithology, texture, and thickness; commonly 1 to 2 feet (0.3 to 0.6 m) thick in outcrops, but is reportedly thicker in the subsurface.

St. Peter Formation

Subdivided into two units. The upper Tonti Member is a medium-grained, mature quartz sandstone; the basal Readstown Member is immature, consisting of red-brown shale, sandstone, and chert conglomerate. The formation occupies channels eroded in the underlying rocks and varies widely in thickness across Dane County, from absent to greater than 200 feet (61 m).

Prairie du Chien Group

Op Dolomite, minor sandstone, cherty dolomite; yellow brown to gray. Consists of two formations, the Shakopee and the Oneota, that are not shown separately. The Prairie du Chien Group forms bluffs and caps ridges in northwestern Dane County. It varies in thickness from 145 feet (44 m) in eastern Dane County to 220 feet (67 m) in western Dane County. In central Dane County, Prairie du Chien rocks have been entirely removed by erosion.

Cambrian

Trempealeau Group

Ct Quartz sandstone, dolomitic siltstone, silty dolomite, and sandy dolomite. Consists of two formations, the Jordan and the underlying St. Lawrence, which were combined as one mapping unit. Thickness is about 75 feet (23 m) where not eroded.

Tunnel City Group

Ctc Medium to very fine-grained quartz sandstone, locally very glauconitic. Maximum thickness in Dane County is about 150 feet (46 m).

Elk Mound Group

Consists of the Wonewoc, Eau Claire, and Mount Simon Formations. Except for limited exposures of Wonewoc Formation sandstone, the Elk Mound Group is known only in the subsurface in Dane County.

Cw Wonewoc Formation

Quartz sandstone, medium grained, brownish yellow to white, with medium-to large-scale cross bedding commonly seen in outcrop. Reaches a maximum thickness of 165 feet (50 m) in the subsurface. Exposed in northwestern Dane County along the Wisconsin River valley.

Cec Eau Claire Formation

Fine to very fine, silty, shaly, and/or dolomitic quartz sandstone. Thickness varies from absent in northeastern Dane County to about 80 feet (24 m) in western Dane County. The Eau Claire is not exposed at the surface.

Cms Mount Simon Formation

Primarily medium- to coarse-grained quartz sandstone, with a pebble conglomerate near the basal contact with the Precambrian. Thickness in Dane County ranges from about 300 feet (90 m) to over 600 feet (180 m).

Precambrian

pC Igneous and metamorphic rocks including granite, metavolcanic rocks, rhyolite, and quartzite. Known only from subsurface samples recovered in the process of drilling wells.

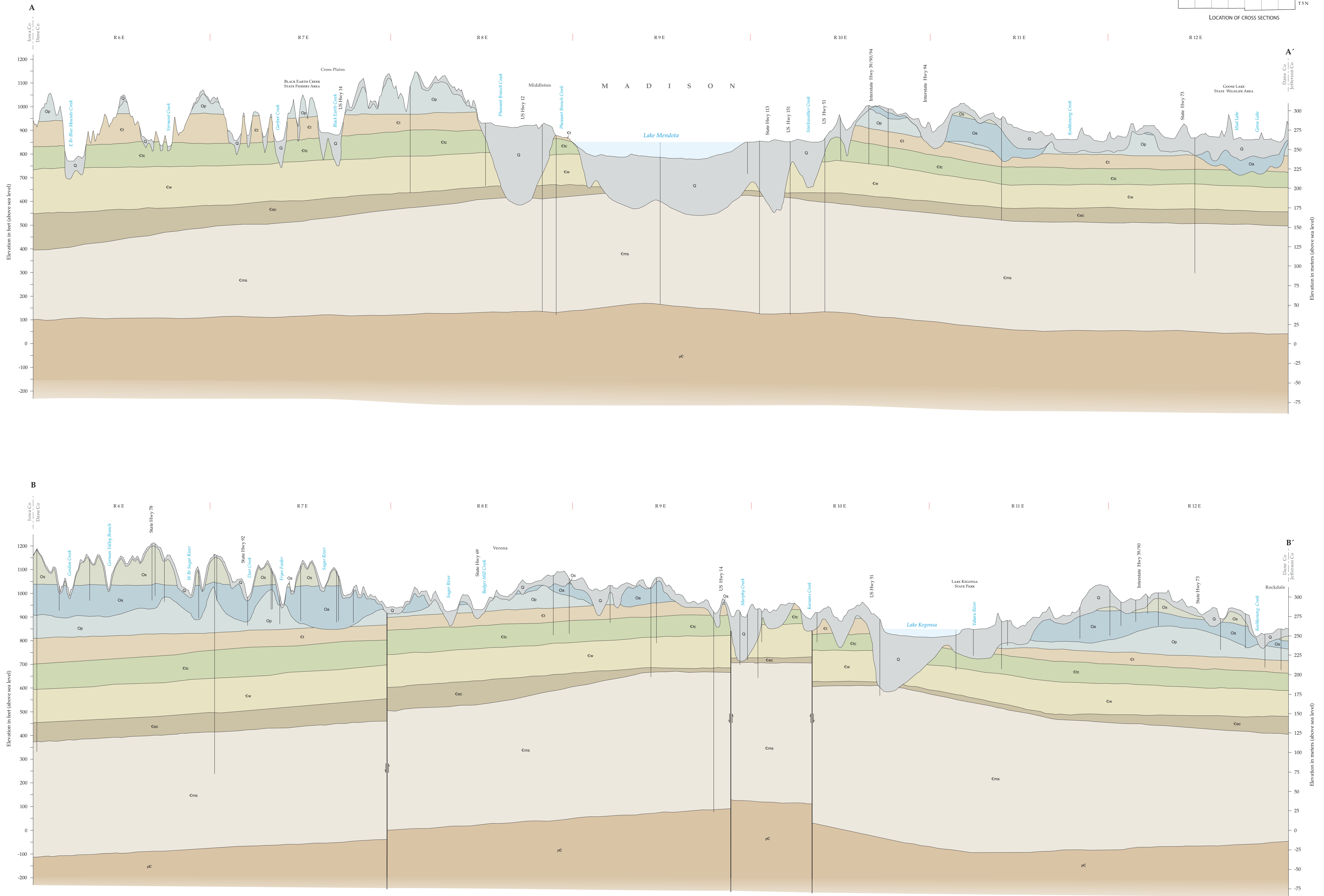
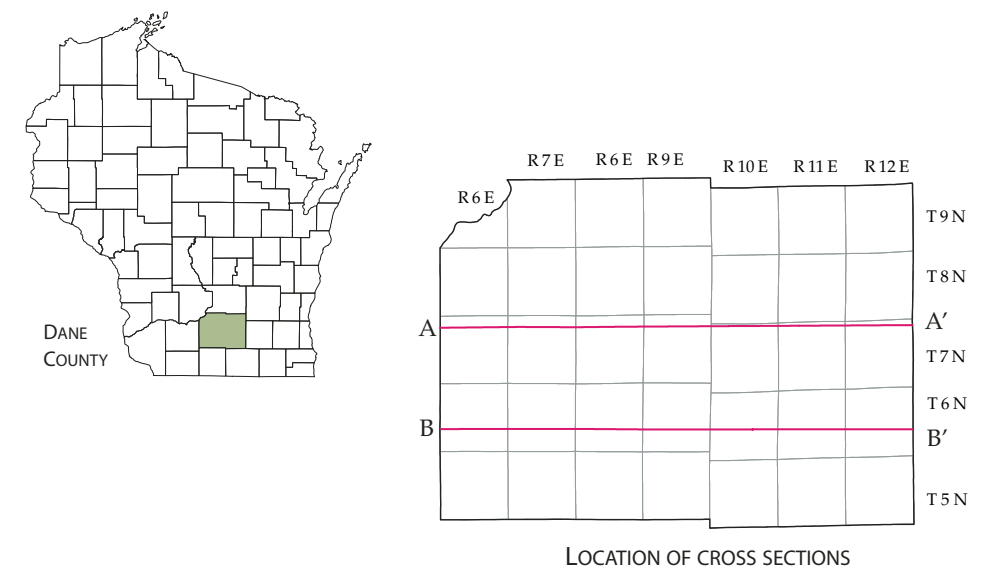
SYMBOLS

geologic contact (formation boundaries)

fault, arrows show relative motion

Subsurface control point (WDNR well construction report, WGNHS geologic log, or other drillhole records)

Preliminary geologic cross sections of Dane County, Wisconsin



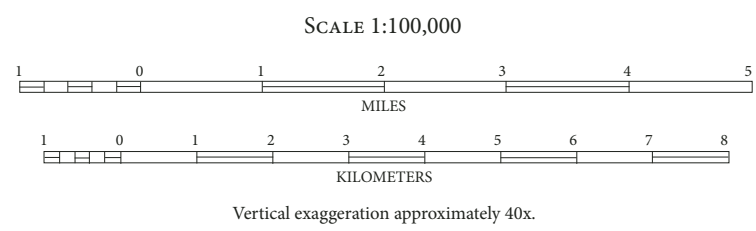
The map and sections are based on field work and analysis of subsurface data by the authors between 1995 and 1996, and on earlier field mapping by P.G. Olcott (1972).

These sections represent work performed by the Wisconsin Geological and Natural History Survey and are released to the open files in the interest of making the information readily available. These sections have not been edited or reviewed for conformity with Wisconsin Geological and Natural History Survey standards and nomenclature.

UW-Extension provides equal opportunities in employment and programming, including Title IX and ADA.

Cartography by K.C. Roushar

These cross sections are an interpretation of the data available at the time of preparation. Every reasonable effort has been made to ensure that this interpretation conforms to sound scientific and cartographic principles; however, the cross sections should not be used to guide site-specific decisions without verification. Proper use is the sole responsibility of the user.



Wisconsin Geological and Natural History Survey

3817 Mineral Point Road, Madison, Wisconsin 53705-5100

608/263.7389 • WisconsinGeologicalSurvey.org

James M. Robertson, Director and State Geologist



Attachment A3

Surface Water Data Viewer Information



Legend: (some map layers may not be displayed)

- Wetland Indicators
- Wetland Class Points
- Excavated pond
- Wetland Class Areas
- USDA Wetspots
- Wetland Indicators
- Rivers and Streams
- Intermittent Streams
- Open Water
- 24K Intermittent Streams
- 24K Lakes and Open Water
- 24K Streams and Rivers
- Latest Leaf Off Imagery

Notes:



Map: 0 625 1,250 Feet
0 180 360 Meters

Service Layer Credits:

Wetland Indicators & Soils: Surface Water Data Viewer Team, Latest Leaf Off, DNR Basic Feature Vector
Tile Layer WTM: , Priority Navigable Waterways: Waterway Protection, WDNR, Surface Water (Cached):
WIDNR, USGS, and other data, Wetland Inventory NWI (Dynamic): Calvin Lawrence, Dennis Weise, Nina Rihn

Map projection: NAD 1983 HARN Wisconsin TM

This map is a product generated by a DNR web mapping application.

This map is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The user is solely responsible for verifying the accuracy of information before using for any purpose. By using this product for any purpose user agrees to be bound by all disclaimers found here: <https://dnr.wisconsin.gov/legal>

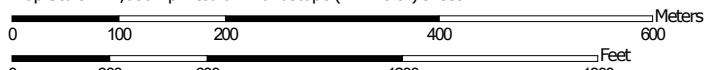
Date Printed: 11/4/2025 11:17 AM

Attachment A4
NRCS Soils Map

AASHTO Group Index—Dane County, Wisconsin
(HEPTA S INC. QUARRY)



Map Scale: 1:7,080 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/24/2025
Page 1 of 5

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

-  ≤ 4
-  > 4 and ≤ 5
-  > 5 and ≤ 7
-  > 7 and ≤ 8
-  > 8 and ≤ 13
-  > 13 and ≤ 15
-  > 15 and ≤ 22
-  Not rated or not available

Soil Rating Lines

-  ≤ 4
-  > 4 and ≤ 5
-  > 5 and ≤ 7
-  > 7 and ≤ 8
-  > 8 and ≤ 13
-  > 13 and ≤ 15
-  > 15 and ≤ 22
-  Not rated or not available

Soil Rating Points

-  ≤ 4
-  > 4 and ≤ 5
-  > 5 and ≤ 7
-  > 7 and ≤ 8

-  > 8 and ≤ 13
-  > 13 and ≤ 15
-  > 15 and ≤ 22
-  Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Dane County, Wisconsin
Survey Area Data: Version 23, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 13, 2020—Sep 13, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

AASHTO Group Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
DnB	Dodge silt loam, 2 to 6 percent slopes	7	44.4	33.6%
PnA	Plano silt loam, till substratum, 0 to 2 percent slopes	13	0.0	0.0%
PnB	Plano silt loam, till substratum, 2 to 6 percent slopes	13	15.6	11.8%
RnB	Ringwood silt loam, 2 to 6 percent slopes	5	28.9	21.9%
RoB	Rockton silt loam, 2 to 6 percent slopes	4	28.1	21.3%
SaA	Sable silty clay loam, 0 to 2 percent slopes	22	2.4	1.8%
TrB	Troxel silt loam, 0 to 3 percent slopes	15	5.2	3.9%
VrB	Virgil silt loam, 1 to 4 percent slopes	13	5.9	4.5%
Wa	Wacousta silty clay loam, 0 to 2 percent slopes	15	0.7	0.5%
WxB	Whalan silt loam, 2 to 6 percent slopes	8	0.8	0.6%
Totals for Area of Interest			132.1	100.0%

Description

The AASHTO Group Index is a refinement to the seven major groups of the AASHTO soil classification system. According to

this system, soil is classified into seven major groups: A-1 through A-7. Soils classified into groups A-1, A-2, and A-3 are granular materials of which 35% or less of the particles pass through the No. 200 sieve. Soils of which more than 35% pass through the No. 200 sieve are classified into groups A-4, A-5, A-6, and A-7. These soils are mostly silt and clay-type materials.

The classifications system is based on the following criteria:

1. Grain size

a. Gravel ; fraction passing the 75-mm(3-in.) sieve and retained on the No. 10 (2-mm) U.S. sieve

b. sand: fraction passing the No. 10 (2-mm) U.S. sieve and retained on the No.200 (0.075-mm) U.S. sieve

c. Silt and clay: fraction passing the No. 200 U.S. sieve

2. Plasticity The term silty is applied when the fine fractions of the soil have a plasticity index of 10 or less. The term clayey is applied when the fine fractions have a plasticity index of 11 or more.

3. If cobbles and boulders (size larger than 75 mm) are encountered, they are excluded from the portion of the soil sample from which classification is made.

To evaluate the quality of a soil as a highway subgrade material, one must also incorporate a number called the group index (GI) with the groups and subgroups of the soil. This index is written in parentheses after the group or subgroup designation.

The group index is given by the equation:

$$GI = (F_{200}-35)[0.2 + 0.005(LL- 40)] + 0.01(.F_{200}-15)(PI- 10)$$

where:

F₂₀₀ = percentage passing through the No. 200 sieve

LL — liquid limit

PI : plasticity index

The group index is used typically to refine an AASHTO class but in the soil survey database is often used as a standalone soil attribute.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: No

Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)

Attachment B

Biological Assessment Information

September 11, 2025

Rachel Runzheimer
SCS Engineers
2830 Dairy Drive
Madison, WI 53718
rrunzheimer@scsengineers.com
602-268-5240

**RE: Vegetation and Wildlife Habitat Assessment, Bjoin Limestone Quarry –
Cambridge, Town of Christiana, Dane County, Wisconsin**

Dear Rachel,

At your request, Heartland Ecological Group (Heartland) completed a vegetation and wildlife habitat assessment of the Bjoin Limestone Quarry – Cambridge site (the Site) to support SCS Engineers' reclamation plan. The assessment's study area measures 124.38 acres, approximately 1/3 of which consists of an active limestone quarry, while the remaining 2/3 consists of agricultural fields, a mowed, private gardening area, soil storage piles, narrow wooded areas, a non-quarried, minimally disturbed area, and residential lots. The Site is located to the north of Koshkonong Rd between its intersections with Clear View Rd and Highland Dr, in the southern ½ of Section 14, T6N, R12E, Town of Christiana, Dane County, Wisconsin (see Attachment 1: Map Figures: Figure 1. Project Location).

Heartland's assessment included a desktop review of historical information that may document vegetative cover prior to the beginning of quarrying operations and a field visit to document the vegetation and wildlife habitat currently present within the Site.

Desktop Review

Heartland obtained and reviewed original Wisconsin survey notes from the Wisconsin Board of Commissioners of Public Lands, aerial imagery recorded in 1937 from the United States Department of Agriculture, and Bordner survey maps from the University of Wisconsin Madison's Digital Collections.

Original Wisconsin Survey Notes (Attachment 2)

The State of Wisconsin was surveyed by the federal government between 1833 and 1866 so that land could be platted or otherwise subdivided for sale. Surveyors walked section boundaries, set section and quarter section posts, and recorded brief notes on notable landscape features and vegetative cover. The Site is directly adjacent with portions of the south boundary of Section 14. The Site does not extend to the north, east, or west boundaries of Section 14, but it can be reasonably assumed that the conditions described along the remaining section boundaries would be similar to conditions within the Site.



Along the north section boundary, surveyors encounter a brook and describe the conditions as second-rate rolling timber with black and white oak and hickory. Along the east section boundary, the survey notes also document second-rate rolling timber land, including oak with an undergrowth of hazel and aspen. Similarly, along the south boundary, white and black oak is documented again. Along the west boundary, second-rate rolling prairie is described. The sketch map of the township depicts oak, hickory, and aspen timber in the area of the current Site. It can reasonably be assumed that the interior of the section featured similar rolling prairie and timber vegetation in the early to mid-1800s.

1937 Aerial Imagery (Attachment 3)

The earliest aerial photograph of the Site available was recorded on June 24th, 1937. In this imagery, the entirety of the site appears to have been converted to agricultural row cropping. There appear to be small swales and draws throughout the Site that the farmer may have been avoiding or may have farmed through with diminished success.

Bordner Survey (Attachment 4)

The Wisconsin Land Economic Inventory (also known as the “Bordner Survey”) was a depression era program intended to document current and potential land use throughout the state. The goal of this effort was to identify idle land that could be re-settled and utilized more productively. Surveyors recorded land use within Dane County in 1939 as part of this initiative. In the map produced by this survey the entirety of the Site is depicted as “C: Cleared Crop Land”. Power lines are depicted running North-South within the western portion of the Site, as well as East-West over what is now Koshkonong Road in the south.

Vegetation Assessment

Heartland performed a site visit on August 29, 2025 to assess vegetation within the Site. Fieldwork was completed by Soleil Bieniek, Environmental Technician. Meander surveys were performed and species inventory lists compiled to document vegetation present in different portions of the site. These areas are identified on Attachment 1: Figure 2. Current Site Conditions. Species inventory lists are included as Attachment 5: Species Inventories. Dominant species observed within each area are identified with an asterisk. Photographs of conditions observed during the field assessment are included in Attachment 6: Photo Log, and summaries of the vegetation in these areas are presented below.

Disturbed Tree line/North Agricultural Field Edge

A disturbed tree- and shrub-line is present along the north edge and northeast corner of the Site. This narrow strip of unfarmed land was dominated by box elder (*Acer negundo*), white mulberry (*Morus alba*), and giant ragweed (*Ambrosia trifida*). Other common weeds and invasive species were also present in smaller quantities.



Mowed Turf and Private Garden Area

To the direct north of the quarry there is an approximately 1.60-acre area that is being maintained partially as several small, private gardens, and partially as mowed turf. An employee of the quarry provided information that the landowner allows the area to be occupied for these purposes by a friend or family member because the active quarry will not extend further north into this area. Within the garden plots and in unmowed areas around them, the dominant vegetation was giant foxtail (*Setaria faberi*), yellow foxtail (*Setaria pumila*), Canada thistle (*Cirsium arvense*), and sandbar willow (*Salix interior*). Other common weeds and invasive species were also present in smaller quantities.

Tree Lines North of Active Quarry

To the direct east and west of the private garden area, unmaintained tree- and shrub-lines were present. These were dominated by box elder, sandbar willow, giant ragweed, and reed canary grass (*Phalaris arundinacea*). Other common weeds and invasive species were also present in smaller quantities.

Wetland and Upland Areas, Not Quarried

To the northwest of the active quarry there was an approximately 4.00-acre unfarmed and un-quarried vegetated area with vegetation representative of both upland and wetland communities. Information from the quarry employee revealed that this area will not be quarried because it is too wet and not rocky. It was unclear whether this was the reason it was left unfarmed as well. This area was dominated by Canada goldenrod (*Solidago canadensis*) and reed canary grass. Other common weeds and invasive species were also present in smaller quantities, which likely invaded this area from the surrounding quarry area and agricultural field edges.

Piled Dirt to be Re-Used

Bordering the active quarry to the north, northwest, and west, there were three (3) areas of piled soil. The quarry employee explained that these areas were piled recently (all within spring and summer of 2025), and due to its nice quality, the soil is being saved to be replaced when the quarrying process is finished. Despite their recent piling, all three piles were vegetated. The piles were dominated by Canada goldenrod, Kentucky bluegrass (*Poa pratensis*), giant ragweed, black locust (*Robinia pseudoacacia*), Queen Anne's-lace (*Daucus carota*), reed canary grass, bird's-foot trefoil (*Lotus corniculatus*), and velvet-leaf (*Abutilon theophrasti*). Other common weeds and invasive species were also present in smaller quantities, which were mostly shared between the three piles.

South Agricultural Field Edge

At the time of the site visit, the agricultural fields were planted in corn. In the southwest portion of the Site, there were thin, unfarmed strips on either side of the quarry access road that were vegetated by common weeds. These included chicory



(*Cichorium intybus*), yellow foxtail, Queen Anne's-lace, smooth brome (*Bromus inermis*), giant ragweed, white mulberry, and riverbank grape (*Vitis riparia*).

Active Quarry, Top of East Quarry Wall, South Quarry Sideslope

The active quarry floor was largely unvegetated due to the regular movement of vehicles, machinery, and crushed limestone. Numerous limestone piles were present throughout the quarry, the majority of which were unvegetated. The southern steep slope and top of the quarry wall on the south and east sides were vegetated with weeds and invasive species. Dominant species included common ragweed (*Ambrosia artemisiifolia*), Canada goldenrod, giant ragweed, Queen Anne's-lace, and Canadian horseweed (*Erigeron canadensis*). Shrubs present in these locations included eastern cottonwood (*Populus deltoides*) and white mulberry.

Landowner Residence Perimeter and Interior, Private Residence Perimeter

Two residential parcels exist along the southern Site boundary on either side of the active quarry. The parcel to the west is owned by the landowner but is unused. The perimeter of the lot is vegetated with trees and shrubs including white mulberry, Siberian elm (*Ulmus pumila*), silver maple (*Acer saccharinum*), smooth sumac (*Rhus glabra*), shagbark hickory (*Carya ovata*), eastern white cedar (*Thuja occidentalis*), bur oak (*Quercus macrocarpa*), and pines (*Pinus sp.*). The understory was dominated by brome (*Bromus sp.*) and had smaller quantities common weeds and invasive species seen elsewhere on the property. Most of the interior of the property was being maintained to turf via mowing. Pockets of unmowed areas were vegetated by similar plant communities to what was observed in the understory. Tree species planted in the interior of the lot included spruces (*Picea sp.*), pines, silver maple, sugar maple (*Acer saccharum*), Siberian elm, black walnut (*Juglans nigra*), and red or pin oak (*Quercus rubra* or *Quercus palustris*).

Ownership of the parcel to the east was not clear and the residence is currently occupied. Permission to go onto this lot was not granted, so the perimeter of the lot was observed from the outside. Trees and shrubs observed included white mulberry, box elder, eastern cottonwood, and unidentified evergreen trees. A comprehensive assessment of the understory was not performed, but it appeared to contain similar weeds and invasive species to what was observed elsewhere throughout the property.

Wildlife Habitat Assessment

Due to the historic agricultural conversion, ongoing agricultural and quarry land uses, and lack of native vegetative communities, the site offers poor habitat for wildlife. Animals utilizing the site are likely common species that do not have strict habitat requirements and are adapted to human presence. Large mammals are likely deterred by the noise caused by quarrying operations, the presence of humans, and lack of quality vegetative cover. Small mammals, such as rodents and raccoons, are likely present in small numbers. Deer and other mammals may visit the site during non-operational hours to access water held in the quarry pond or vegetation on the



sideslopes and/or quarry walls. In fact, the quarry employee stated that deer are sometimes observed in the vegetated areas bordering the quarry, and recent prints were observed in the substrate around the active quarry. One small pond was present in the quarry, which geese, ducks, cranes and various songbirds may also utilize, though none were observed during the field investigation. Squirrels, chipmunks, raccoons, songbirds, and turkeys may utilize the tree- and shrub-lines to the north of the active quarry.

Conclusions and Summary

Based on the original Wisconsin survey notes, the Site contained a combination of oak/hickory woodlands and prairie vegetation prior to European-American settlement. This vegetation was converted to agricultural fields sometime before 1937, as evidenced by the 1937 aerial photograph showing agricultural land use and the Bordner Survey (completed in 1939) depicting crop land within the entirety of the Site.

Nearly all of the vegetation observed during the field assessment consisted of weedy, non-native, invasive, or early-successional native species. No natural plant communities were observed within the Site. These findings are not unexpected given the decades of agricultural and quarry land use.

Wildlife habitat within the site is of low quality due to the agricultural and quarry land uses. Wildlife utilizing the site are likely generalist species without strict habitat requirements that are drawn by water held in the quarry's pond or some vegetative species around the active quarry. The site cannot support large numbers or diverse wildlife due to the disturbed vegetation, lack of cover, on-going human activity, and lack of suitable food sources.

Please contact me if you have any questions regarding this vegetation and wildlife habitat assessment

Regards,

Soleil Bieniek, Environmental Technician
Heartland Ecological Group, Inc.
soleil@heartlandecological.com
608-490-2450



Attachments:

Attachment 1: Map Figures

Attachment 2: Original Wisconsin Survey Notes

Attachment 3: 1937 Aerial Imagery

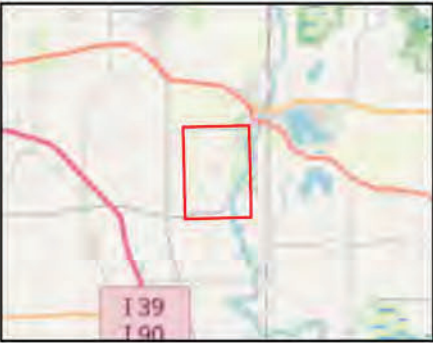
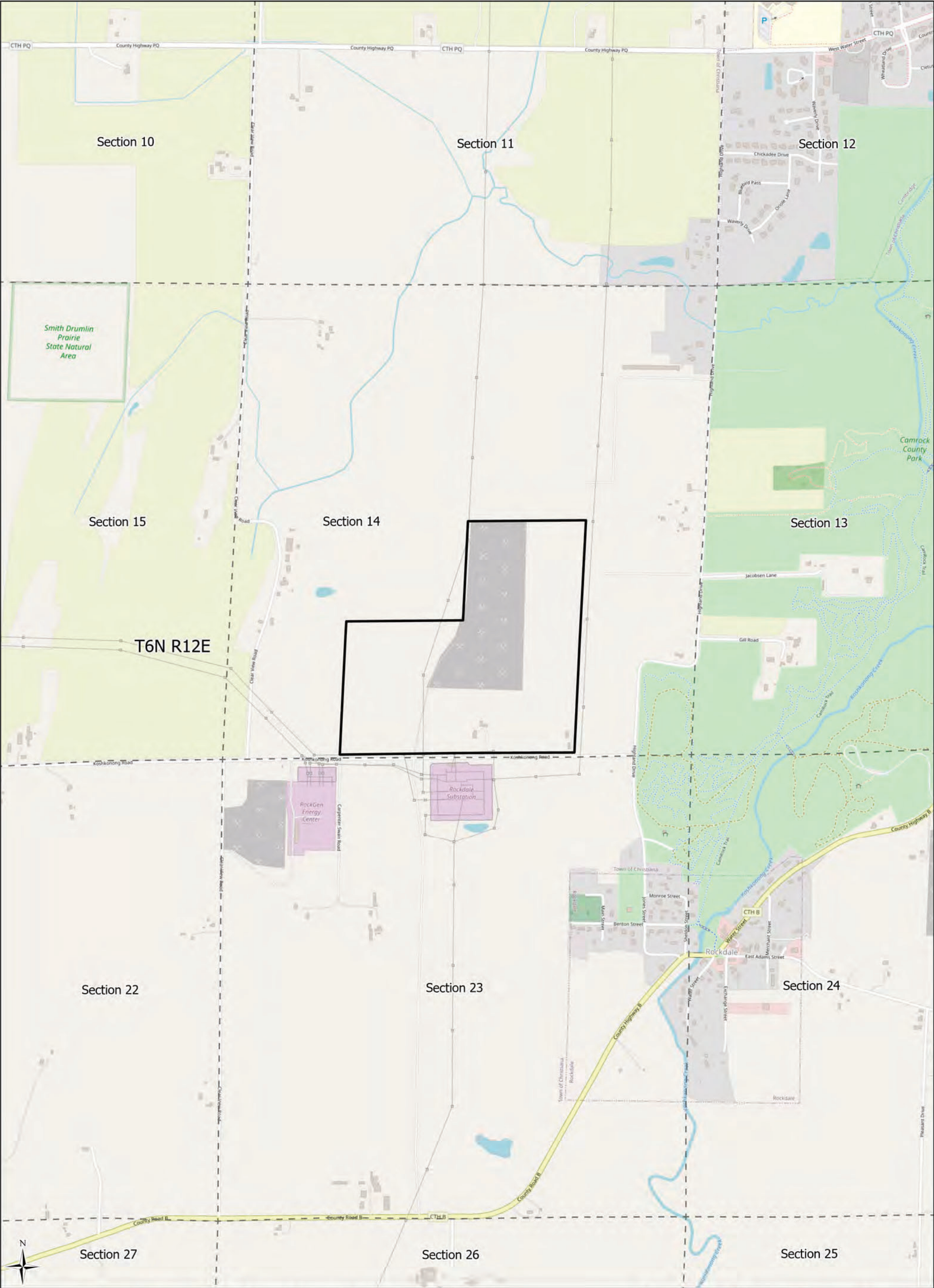
Attachment 4: Bordner Survey

Attachment 5: Species Inventories

Attachment 6: Photo Log



Attachment 1 | Map Figures



- Project Area (124.38 ac)
- Township
- Section

0 500 1,000
Ft

Heartland
ECOLOGICAL GROUP INC

Figure 1. Project Location

Bjoin Limestone Quarry - Cambridge

Project #20251628

T6N, R12E, S14

T Christiana, Dane Co

OpenStreetMap

ESRI



Project Area (124.38 ac)
Pond (1,193 sqft)

0 300 Ft

Heartland
ECOLOGICAL GROUP INC

Figure 2. Current Site Conditions

Bjoin Limestone Quarry - Cambridge
Project #20251628
T6N, R12E, S14
T Christiana, Dane Co
2024 Orthophoto, HEG



SCS Engineers
Bjoin Limestone Quarry – Cambridge Vegetation and Wildlife Habitat Assessment
September 11, 2025

Attachment 2 | Original Wisconsin Survey Notes

P.C. N R 12 E. 1/4 the 1st med
 c. S.
 East Random between Section 11 & 14
 26.50 Brook S D c. S.E. N E
 29. Enter Scattering Timber
 71. same brook S E
 80. Intersect brook N of Port

Land rolling South W. W + Yel
 Oak Hickory Oak & Hazel underbrush
 Redroot Rosin & Indigo, brack Prairies
 Exp to

West Connected between Sec. 11 & 14
 140. Set 1/4 Sec Port
 T.B. M.Q. 24 in N 45° W 122
 { T.B. 30 in S 86° W 224
 80 Sec. No.



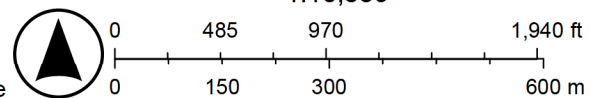
Attachment C

Zoning Documents

Attachment C1
Dane County Current Zoning Map

[illegible]

 Parcels
 Conditional Use Permits (Rural)
 Rural Zoning
 Farmland Preservation
 Natural Resource Conservancy
 Residential
 Rural Residential and Rural Mixed Use
 Recreational
 Special Use



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

Attachment C2

Dane County Zoning District Fact Sheets

FP-35 (General Farmland Preservation) Zoning District

Primary zoning district for farmland preservation -- CH. 10-Zoning, [Section 10.222](#)

Permitted Uses 10.222(2)

- Agricultural uses
- Agricultural accessory uses (except those listed as conditional uses below)
- Agricultural accessory buildings
- Agricultural entertainment less than 10 days/year
- Farm-related exhibitions, sales or events less than 11 days/year
- Seasonal storage of recreational equipment and motor vehicles (including those not owned by the landowner) in existing accessory buildings
- Residences existing as of Feb. 20, 2010 (see below)
- Large animal boarding
- Sales of agricultural products produced on the premises
- Undeveloped natural resource and open space uses
- Utility services associated with a permitted use
- Transportation, utility, communication or other use required by law

Conditional Uses 10.222(3)

- Agricultural accessory uses:
 - Agricultural entertainment, 10 days/year or more
 - Airports, landing strips, heliports for owner of farm
 - Farm related exhibitions, sales or events, over 10 days/year
 - Farm Residence, subject to 10.103(11)
 - Attached accessory dwelling units associated with a farm residence
 - Limited Farm Business, subject to 10.103(13)
- Sale of agricultural and dairy products not produced on the premise
- Incidental sale of non-alcoholic beverages and snacks
- Secondary farm residences
 - Transportation, communication, pipeline, electric transmission, utility, or drainage uses not required by law
 - Non-metallic mineral extraction
 - Asphalt & ready-mix concrete plants
 - Limited asphalt or concrete plants
 - Renewable energy electricity generators

Setbacks and Height requirements for Structures 10.222(5) & 10.222(6)

Front setback for all structures from Highway centerline / right-of-way line (whichever is greater)

State or Federal Highway: 100/42 feet minimum

County Highway: 75/42 feet minimum

Town Road: 63/30 feet minimum

Subdivision streets platted prior to ordinance: 20 feet minimum

All other streets: 30 feet minimum from right-of-way

Maximum Height:

Residences: 2½ stories or 35 feet maximum

Accessory buildings: 35 feet maximum

Agricultural buildings: No height requirement

Permitted residences:

Side yard: 25 feet total, with no single side less than 10 feet minimum

Rear yard: 50 feet minimum

Uncovered decks/porches: 38 feet minimum

Rear and side yards:

Not housing livestock: 10-feet

Housing livestock:

100 feet from Residential or Hamlet zoning districts

50 feet from Rural Residential zoning districts

10 feet from all other zoning districts

Lot Width & Area 10.222(4)

Minimum: 35 acres

Maximum: None

Minimum lot width: None

Maximum Lot Coverage all buildings and structures

None.

Accessory Buildings Requirements 10.222(8)

- Accessory buildings may be constructed on property without a principal residence only if it is clearly related to a legitimate farm operation or agricultural accessory use.
- Sanitary fixtures are permitted in agricultural accessory buildings

FP-35 (General Farmland Preservation) Zoning District

Primary zoning district for farmland preservation -- CH. 10-Zoning, [Section 10.222](#)

- No living spaces are allowed in accessory buildings.
- Reduced setbacks may be used for residential accessory buildings on lots. The buildings must be located in the rear yard and must be at least 10 feet away from the principal building.
- Zoning Permit fees are exempt for farm buildings on farms of 35 acres or larger.

NOTE: A Zoning Permit is required for every building larger than 120 square feet in size. Zoning Permits are not required for accessory buildings equal to or less than 120 square feet on non-permanent foundations, provided they meet setback, height, and lot coverage requirements.

For more information on the regulation of accessory buildings please see the Dane County Zoning *Guide for Accessory Buildings* Handout.

Existing Residences in FP-35 10.222(b)1.

- Any residence lawfully existing as of February 20, 2010 shall be considered a permitted use. Such structures may be added to, altered, restored, repaired, replaced or reconstructed, without limitation, provided **all** of the following criteria are met:
 1. The use remains residential.
 2. The structure complies with all building height, setback, side yard and rear yard standards of this ordinance.
 3. For replacement residences, the structure must be located within 100 feet of the original residence, unless site-specific limitations or town residential siting standards in town plans adopted by the county board require a greater distance. Proposals for a replacement residence that would exceed the 100 foot limitation must be approved by the town board and county zoning committee.
- Residential accessory buildings, home occupations, foster care for less than 5 children, community living arrangements for less than 9 people, and incidental room rental are permitted when associated with:
 - An existing residence as permitted above
 - A farm residence approved by conditional use permit
- Existing residences or secondary residences located on a farm, but which are no longer utilized in the operation of the farm may be rented.

Limited Farm Businesses 10.004(85) & 10.103(13)

Limited farm businesses are an agricultural accessory use and must meet the following criteria:

- ✓ Consists of a business, activity, or enterprise, whether or not associated with an agricultural use, that is conducted by the owner or operator of a farm
- ✓ Requires no buildings, structures, or improvements other than existing agricultural buildings or a farm residence
- ✓ Employs no more than 4 full-time equivalent employees annually, who are not members of the family residing on the farm
- ✓ Does not impair or limit the current or future agricultural use of the farm or other protected farmland

In addition, a **limited farm business** as a conditional use in the FP-35 district is further restricted:

- The uses are limited to those listed as permitted uses in the LC or GC zoning districts, provided the use does not conflict with the overall purposes of the FP-35 district
- The area dedicated to the limited farm business use must not exceed 10,000 square feet in indoor floor area
- The use must be contained entirely within building(s) in existence prior to April 30, 2005
- The landowner must maintain, restore, or enhance the existing exterior character of the building(s)
- No more than 4 non-family employees may be employed.

RM-16 (Rural Mixed Use, 16 Acres) Zoning District

Zoning district for agricultural and other rural uses – CH. 10-Zoning, [Section 10.234](#)

Permitted Uses 10.234(2)

- Agricultural uses
- Agricultural accessory uses
- Agricultural entertainment under 10 days/year
- Agricultural accessory buildings
- Farm related exhibitions, up to 5 days/year
- Single family residential – one per parcel
- Residential accessory structures
- Seasonal storage of recreational equipment and motor vehicles (not owner's or occupant's) in existing buildings
- Undeveloped natural resources and open space areas
- Home occupations
- Utility services
- Incidental room rental
- Community living arrangements for fewer than 9 persons
- Foster homes for less than five children
- Utility services associated with a permitted use
- Transportation, utility or communication uses required by law

Conditional Uses 10.234(3)

- Agricultural entertainment activities occurring over 10 days/year
- Airports, landing strips or heliports for aircraft owned by the land owner
- Attached accessory dwelling units
- Cemeteries
- Community living arrangements for 9 or more persons
- Domestic pet animal boarding
- Electric generating facilities that use renewable energy
- Farm related exhibitions, sales or events exceeding 5 days a year
- Governmental, institutional, religious, or nonprofit community uses
- Large animal boarding
- Limited family business
- Limited farm business
- Migrant farm labor camps certified under s. 103.92, Wis. Stats.
- Mineral extraction
- Recreational racetracks
- Sanitary facilities in agricultural accessory buildings
- Temporary asphalt or concrete production
- Tourist or transient lodging
- Veterinary clinics
- Transportation, communications, pipeline, electric transmission, utility, or drainage uses, not required by law

Setbacks and Height requirements for Structures 10.234(5-6)

Front setback for all structures from Highway centerline / right-of-way line (whichever is greater)

State or Federal Highway: 100/42 feet minimum

County Highway: 75/42 feet minimum

Town Road: 63/30 feet minimum

Subdivision streets platted prior to ordinance: 20 feet minimum

All other streets: 30 feet minimum from right-of-way

Maximum Height:

Residences: 2½ stories or 35 feet maximum

Accessory buildings: 35 feet maximum

Agricultural buildings: No height requirement

Residences:

Side yard: 25 feet total, with no single side less than 10 feet minimum

Rear yard: 50 feet minimum

Uncovered decks/porches: 38 feet minimum

Rear and side yards:

Not housing livestock: 10-feet

Housing livestock:

100 feet from Residential or Hamlet zoning districts

50 feet from Rural Residential zoning districts

10 feet from all other zoning districts

Lot Area and Width 10.234(4)

Minimum: 16 acres

Maximum: None

Minimum lot width: 100 feet

RM-16 (Rural Mixed Use, 16 Acres) Zoning District

Zoning district for agricultural and other rural uses – CH. 10-Zoning, [Section 10.234](#)

Lot Coverage 10.234(7)

All buildings and structures: 10% of lot

Accessory Buildings Requirements 10.102(2)(a)

Any number of detached accessory buildings associated with a permitted or conditional residential use is permitted, provided that the following conditions are met:

- ☐ Except for agricultural accessory buildings, a principal building must exist or be under construction prior to the construction of an accessory building.
- ☐ Except as allowed under an approved CUP, sanitary fixtures are prohibited in accessory buildings.
- ☐ No living spaces are allowed in accessory buildings.

NOTE: A Zoning Permit is required for every building larger than 120 square feet in size. Zoning Permits are not required for accessory buildings equal to or less than 120 square feet on non-permanent foundations, provided they meet setback, height, and lot coverage requirements.

Livestock 10.004(85); 10.234(2)(a)

There is no numerical limit on the number of livestock. However, all livestock use must comply with a farm soil and water conservation plan meeting the standards of NR 151, Wisconsin Administrative Code and approved by the Department of Land and Water Resources.

Incidental Room Rental 10.004(72)

Rental or leasing of rooms within a single-family residence is permitted provided all of the following are met:

- ✓ All rooms offered for rent are within the landowner's primary residence
- ✓ No more than two bedrooms are offered for rent
- ✓ One off-street parking space is provided for each rental room.

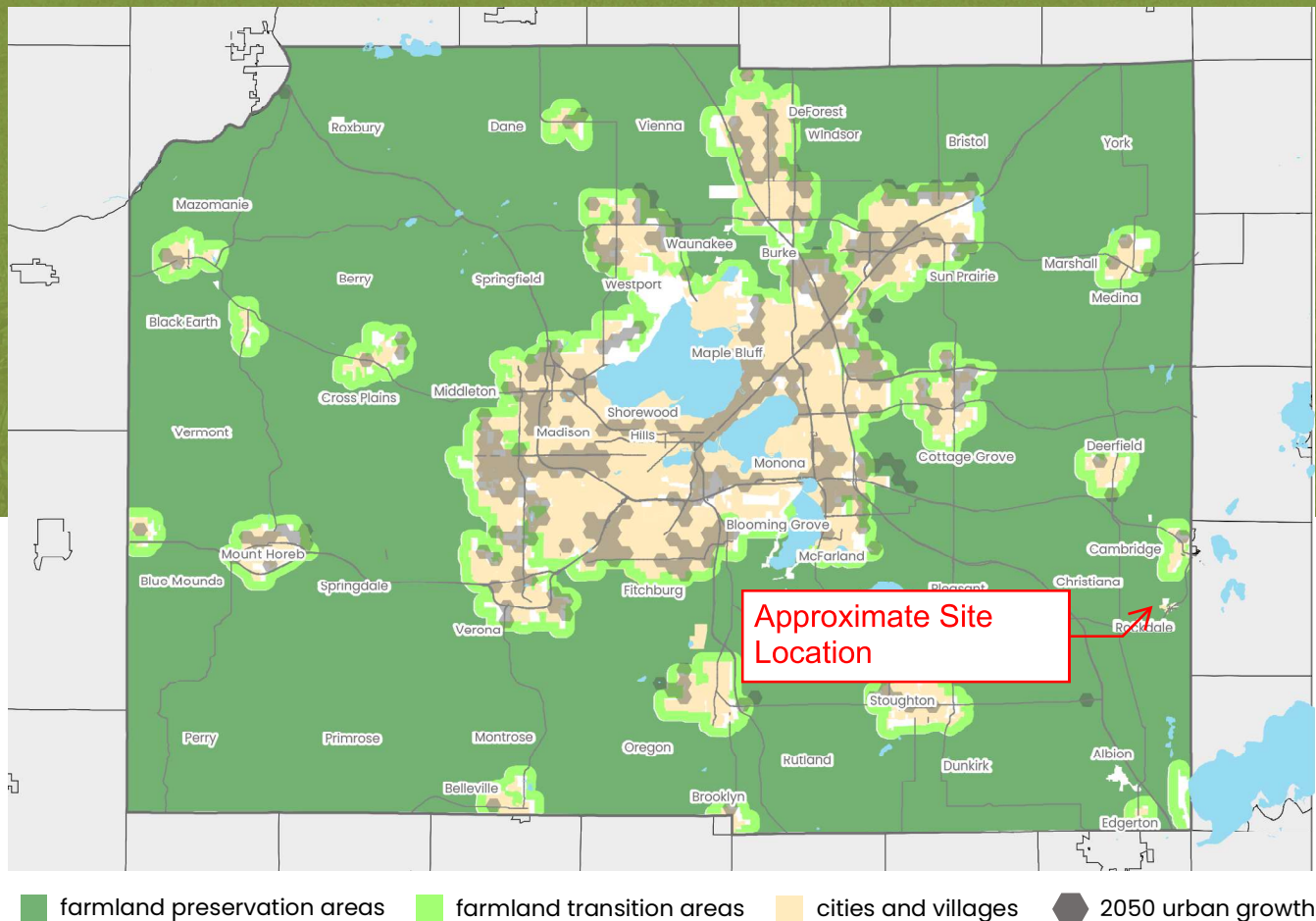
Limited Family Business 10.004(83)

A small family-run commercial operation, accessory to a permitted principle use, that takes place entirely within an accessory building. All employees, except up to one or one full-time equivalent, must be a member of the family residing on the premises.

Attachment C3
Dane County Future Land Use Map

DEVELOPMENT PATTERNS

Preserve farming areas



The final development pattern strategy is to minimize development in long-term farmland preservation areas and to coordinate development within farmland transition areas at the local level.

Farmland preservation areas are designated in Town and County Farmland Preservation Plans. They may include Agricultural Enterprise Areas and are typically characterized by large tracts of contiguous farmland and/or high-quality

* These are conceptual maps intended to convey approaches to regional development. They are not prescriptive and may not fully reflect actual, local conditions. They do not show all areas of potential growth and may not align with local planned growth areas or community Future Land Use Maps. Data Sources: CARPC GIS, CARPC Staff analysis, Dane County GIS, UrbanFootprint, USDA, USGS, WDNR and WDOA.



Attachment D

Seed Mix Specifications



TWIN CITY SEED COMPANY

WI 10 General Roadside

65.4 lbs / ac

Common Name	% of Mix Component
Kentucky Bluegrass	40%
Creeping Red Fescue	25%
Perennial Ryegrass	20%
White Clover	10%
Red Top	5%

Attachment E

Cost Estimate and Financial Assurance

**RECLAMATION COST ESTIMATE
HEPTA S QUARRY**

Restoration Area:	20	Acres
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Item No.	Description	Unit	Estimated Quantity	Unit Price Estimate ¹	Total
1	Topsoil Stripping, Stockpiling, and Placement	Cubic Yard	16,133	\$4.00	\$64,534
2	Temporary Erosion Control	Lump Sum	1	\$25,000.00	\$25,000
3	Site Grading	Acre	20	\$4,000.00	\$80,000
4	Seeding, Fertilizing and Mulching	Square Yards	96,800	\$1.10	\$106,480

¹ - Costs estimated based on recent bid results for similar work.

² - Rounded to nearest thousand.

Subtotal ² =	\$276,000
10% Contingency =	\$27,600
Total Estimated Cost ² =	\$304,000
Estimated Cost per Acre ² =	\$15,000



THE SILVER LINING®

WB Index: 2401742

B

CONTINUATION CERTIFICATE

Dane County

210 Martin Luther King Jr Blvd Rm 116
Madison, WI 53703-3342

Principal:

Bjoin Limestone, Inc.
7308 W State Road 11
Janesville, WI 53548-9129

Bond Number: 2401742

Bond Penalty: \$ 30,000.00

Bond Description: Reclamation

Bond Term: 01/20/2026 To 01/20/2027

West Bend Insurance Company hereby continues in force the bond referenced above, subject to all the covenants and conditions of the original bond.

This continuation is issued upon the express condition that the liability of West Bend Insurance Company under said Bond and this and all continuations thereof shall not be cumulative in any term, calendar year or licensing period unless specifically required by law, statute, ordinance or regulation of the obligee and shall in no event exceed the total sum above written or any amendments, endorsements, or riders attached thereto.

Effective January 1, 2024, West Bend Mutual Insurance Company changed its name to West Bend Insurance Company, therefore, any reference to West Bend Mutual Insurance Company shall be considered a reference to West Bend Insurance Company.

Obligee:

Dane County

210 Martin Luther King Jr Blvd Rm 116
Madison, WI 53703-3342

Agent: **48954**

HAUSMANN GROUP
740 REGENT STREET, SUITE 400
MADISON, WI 537159408
***Telephone: 608-257-3795

Dated this 25th day of September, 2025

THIS "Continuation Certificate" MUST BE FILED WITH THE ABOVE BOND.

OBLIGEE COPY

MICHIGAN ONLY: This policy is exempt from filing requirements of Section 2236 of the Insurance Code of 1956, 1956 PA 218 and MCL 500.2236.

NB 0029 11 17

1900 S 18th Avenue | West Bend, WI 53095 | Phone: (800) 236-5010 | Fax: (877) 674-2663 | www.thesilverlining.com

POWER OF ATTORNEY

Know all men by these Presents, that West Bend Insurance Company (formerly known as West Bend Mutual Insurance Company prior to 1/1/2024), a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

Jason Enders

lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: Thirty Thousand Dollars and Zero Cents 30,000.00

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Insurance Company by unanimous consent resolution effective the 1st day of January 2024.

Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Insurance Company may appoint by written certificate Attorneys-In-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.

Any reference to West Bend Mutual Insurance Company in any Bond and all continuations thereof shall be considered a reference to West Bend Insurance Company.

In witness whereof, West Bend Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of January 2024.

Attest

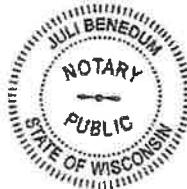
Christopher C. Zwygart
Christopher C. Zwygart
Secretary



Robert J. Jacques
Robert J. Jacques
President

State of Wisconsin
County of Washington

On the 1st day of January 2024, before me personally came Robert Jacques, to me known being by duly sworn, did depose and say that he is the President of West Bend Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that is was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.



Juli Benedum
Lead Corporate Attorney
Notary Public, Washington Co., WI
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 25th day of September, 2025



Christopher C. Zwygart
Christopher C. Zwygart
Secretary

Dane County Erosion Control and Stormwater Management Application Checklist

Permit #: CUP 1262
Date: 7-30-04

Project Name: Cup 1262
Landowner: HEPTA-5 INC
Landowner Address: 332 Rushkoning Rd
Cambridge
Landowner Phone: 4234014 agent

Applicant: _____
Applicant Address: _____
Applicant Phone: _____

Type of Permit (check 1): ☐ Erosion Control Only ☒ Erosion Control and Stormwater Management ☐ Stormwater Management Only **Parcel**
☐ Redevelopment ☐ Filling & Grading (Shoreland) ☐ Uniform Dwelling Code (UDC)

Municipality: Christiana Section: 14 1/4 1/4: SWSE Parcel #: 0612-144-9100-2
8510-9
SWSE
S1/2 N1/4SW 0612-143-8240-0

Disturbed Area (square feet):	x 0.004	S/sq.ft. = \$
Total New Impervious Area (includes gravel) (square feet):	x 0.005	S/sq.ft. = \$
Total Redevelopment Impervious Area (includes gravel) (square feet):	x 0.0025	S/sq.ft. = \$
Base Fee (\$50), FG (\$200), UDC (\$110), or PRL (\$0) = \$		
Total Permit Fee = \$		

Notes:

1. Be sure to indicate the limits of disturbed and impervious area on your plan.
2. All requirements on this checklist correspond to the requirements set forth in Chapter 14 of the Dane County Code of Ordinances.
3. By submitting this application, permittee and landowner permit the Dane County Zoning Administrator to enter project property for inspection or curative action (s. 14.49(4)(c) DC Code of Ordinances).

Landowner or Applicant Signature: Hepta-5 Inc. [Signature]
(If applicant is not the landowner, attach a notarized statement authorizing applicant to act as landowner's agent)

Date: 7-30-04

Zoning Reviewed by: [Signature]

Date: _____

Land Conservation Reviewed by: [Signature]

Date: 11-3-04

Permit Issued by: _____

Date: _____