

Dane County Conditional Use Permit Application

Application Date	C.U.P Number
03/16/2022	DCPCUP-2022-02563
Public Hearing Date	
05/24/2022	

OWNER INFORMATION	AGENT INFORMATION
--------------------------	--------------------------

OWNER NAME KEVIN HAHN	Phone with Area Code (608) 333-5607	AGENT NAME COURTER RESOURCE GROUP LLC	Phone with Area Code (715) 450-3669
BILLING ADDRESS (Number, Street) 3898 OLD STONE RD		ADDRESS (Number, Street) 17054 HWY 178	
(City, State, Zip) OREGON, WI 53575		(City, State, Zip) Jim Falls, WI 54748	
E-MAIL ADDRESS nelsonexcavatingandson@gmail.com		E-MAIL ADDRESS susan@courterresource.com	

ADDRESS/LOCATION 1	ADDRESS/LOCATION 2	ADDRESS/LOCATION 3
---------------------------	---------------------------	---------------------------

ADDRESS OR LOCATION OF CUP	ADDRESS OR LOCATION OF CUP	ADDRESS OR LOCATION OF CUP
1000 feet south of 439 Center Road		
TOWNSHIP RUTLAND	SECTION 28	TOWNSHIP
		SECTION
PARCEL NUMBERS INVOLVED	PARCEL NUMBERS INVOLVED	PARCEL NUMBERS INVOLVED
0510-284-8001-0	---	---

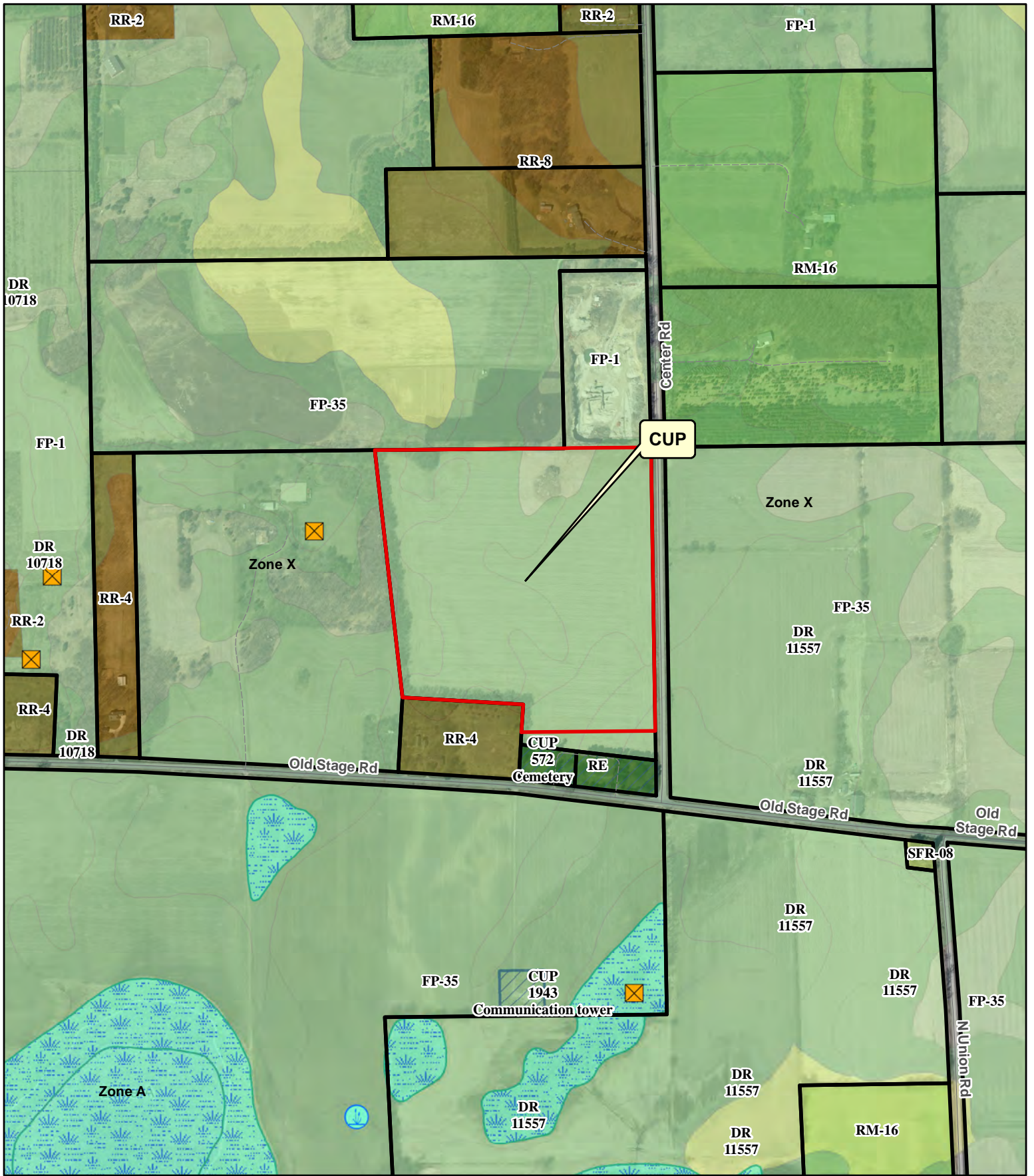
CUP DESCRIPTION

Non-metallic mineral extraction operation





DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
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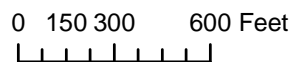
10.222(3) and 10.103(15)	22.96
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DEED RESTRICTION REQUIRED? <input type="checkbox"/> Yes <input type="checkbox"/> No Applicant Initials _____	Inspectors Initials RWL1	SIGNATURE:(Owner or Agent) <hr/> PRINT NAME: <hr/> DATE: <hr/>
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Legend

- | | |
|---|---|
|  Wetland | Significant Soils |
|  Floodplain |  Class 1 |
| |  Class 2 |



CUP 02563
KEVIN HAHN



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:	Kevin Hahn	Agent Name:	Courter Resource Group LLC
Address (Number & Street):	439 Center Road	Address (Number & Street):	Highway 178
Address (City, State, Zip):	Oregon, WI 53575	Address (City, State, Zip):	Jim Falls WI 54748
Email Address:	nelsonexcavatingandson@gmail.c	Email Address:	Susan@courterresoure.com
Phone#:	608-333-5607	Phone#:	715-450-3669

SITE INFORMATION			
Township:	Rutland	Parcel Number(s):	051028480010
Section:	28	Property Address or Location:	West of 430 Center Road
Existing Zoning:	FP-35	Proposed Zoning:	CUP
		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 <input type="checkbox"/> No <input checked="" type="checkbox"/>
Provide a short but detailed description of the proposed conditional use: Existing quarry expansion	

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.

<input checked="" type="checkbox"/> Complete attached information sheet for standards	<input checked="" type="checkbox"/> Site Plan drawn to scale	<input checked="" type="checkbox"/> Detailed operational plan	<input checked="" type="checkbox"/> Written legal description of boundaries	<input checked="" type="checkbox"/> Detailed written statement of intent	<input checked="" type="checkbox"/> 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:

Date: 29 March 22



March 1, 2022

Dane County Planning and Development
Room 116, City-County Building
210 Martin Luther King Jr. Blvd.
Madison, WI 53703-3342

Town of Rutland
Town Board and Planning Commission
4177 Old Stage Road
Brooklyn, WI 53521

Re: Kevin Hahn Property – Nonmetallic Mining Conditional Use Permit Application

Dear Town of Rutland and Dane County Representatives,

Nelson Excavating and Son, LLC (Nelson Excavating) is a local, family-owned, and operated construction company and aggregate supplier serving communities in south-central Wisconsin for more than ten years. To meet the needs of their customers, Nelson Excavating must continually secure mineral reserves. In 2019, Kevin Hahn, owner of Nelson Excavating, secured reserves on an approximate 36.7-acre parcel south of their existing quarry located on Center Road in the Town of Rutland, Dane County. The property contains glacial sand and gravel, and dolomite, an altered variety of limestone essential for the construction and maintenance of local homes, businesses and infrastructure, as well as water treatment and erosion control.

Attached is an operation and environmental control plan to supplement a Dane County Conditional Use Permit application and request to excavate the mineral reserves on the property; all information applies to the 36.7-acre parcel, not existing operations at the Nelson Quarry.

Thank you for your review time and consideration. If you have any questions, don't hesitate to contact myself or Kevin Hahn at (608) 333-5607.

Warm regards,

A handwritten signature in black ink that reads 'Susan Courter'.

Susan Courter, P.G.

Enclosure: Center Road Quarry, Operation and Environmental Control Plan
cc: Nelson Excavating and Son, LLC

NELSON EXCAVATING AND SON, LLC
CENTER ROAD QUARRY

OPERATION AND
ENVIRONMENTAL CONTROL PLAN

PARCEL ID 052/0510-284-8001-0

SECTION 28
TOWN OF RUTLAND, DANE COUNTY

March 1, 2022

SITE AND CONTACT INFORMATION

Site Location: NE ¼, SE ¼, Section 28, T5N, R10E
Town of Rutland, Dane County, Wisconsin

Parcel ID: 052/0510-284-8001-0

Parcel Size: 36.7 Acres

Zoning District: FP-35 General Preservation Farmland

Operator: Nelson and Son Excavating, LLC
427 Center Road
Oregon, Wisconsin 53575
Phone: (608) 333-5607

Kevin Hahn nelsonexcavatingandson@gmail.com

Property Owner: Kevin Hahn
427 Center Road
Oregon, Wisconsin 53575
Phone: (608) 333-5607

Kevin Hahn nelsonexcavatingandson@gmail.com

Consultant: Courter Resource Group, LLC
17054 State Highway 178
Jim Falls, Wisconsin 54748
(715) 450-3669

Susan Courter, P.G. susan@courterresource.com

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Introduction and Purpose

Kevin Hahn seeks to obtain a conditional use permit to extract stone reserves from an approximate 36.7-acre parcel adjacent to their existing quarry operation on Center Road, in the Town of Rutland, Dane County, Wisconsin. The existing quarry is referred to as the Center Road Quarry (formerly the Homburg Quarry). The reserves are needed to supply South Central Wisconsin communities with construction aggregates into the future.

The purpose of this report is to provide information for a conditional use permit (CUP) for nonmetallic mineral extraction on the 36.7-acre property and meet the requirements of Chapters 10 and 11 of the Dane County Code of Ordinances and other applicable local and state requirements.

Background

According to Dane County records, aggregate materials from the Homburg Quarry have serviced the needs of the Town of Rutland and other local communities since 1937. The property with the quarry was purchased by Kevin Hahn in 2016 and continues to operate intermittently to supply local demand. In 2019, Kevin Hahn purchased the 36.7-acre property south of the Homburg (now Nelson) Quarry. Besides dolomite, the newly purchased property proved to have commercial quality sand and gravel. During the 2021 construction season, the sand and gravel was excavated for use in constructing the US Highway 14 roundabout, a local infrastructure improvement commissioned by the Wisconsin Department of Transportation (DOT).

Existing Site Conditions

This section contains a review of the site's physical location and includes information on topography, soils, geology, surface and groundwater, and existing biological resources.

Location, Zoning, and Land Use

The 36.7-acre property, Parcel ID 051/0284-800-10, is located in NE ¼, SE ¼, Section 28, Township 5 North, Range 10 East, Town of Rutland, Dane County, Wisconsin (see Figure 1 – USGS Topographic and Site Location, Appendix A).

The parcel is zoned FP-35 (General Farmland Preservation) Zoning District. Nonmetallic mining is permitted in areas zoned FP-35 through the issuance of a conditional use permit (see Figure 2 - Zoning and Parcel Boundaries, Appendix A).

Land surrounding the site is predominantly zoned Farmland Preservation District and utilized for agriculture, with minor amounts of rural residential development (see Figure 3 – 2018 Aerial Imagery, Appendix A). The residential structure closest to the site is located adjacent to and north of the existing quarry on Center Road. The applicant, Kevin Hahn, and his family purchased this home (formerly Kessnick) and have lived on the property since August, 2021. Additional property owners located within 600 feet of the proposed project are identified in Figure 7 – Property Owners Within 600 Feet. A site survey of the property is contained in Appendix B.

Topography

The site is located in an upland area in southeastern Dane County. The topography across the site slopes gently from northeast to the south and southwest between elevations of 990 to 950 feet mean sea level (see Figure 4 – Existing Conditions, Appendix A). Previous extraction at the Nelson Quarry has created high walls at the quarry face ranging from 35 to 50 feet.

Distribution, Thickness, and Type of Soils

The primary soil types at the site are: sandy loam present in the Boyer and Wyocena Series; silt loam present in the Dresden and Kert Series; and fine sandy loam to loamy fine sand in the Shiocton and Whalan Series (see Figure 5 - Soil Types, Appendix A). Found on glacial till plains, these soil types are gently sloping and well-drained. Whalan Series soils are underlain by dolomite bedrock between 12 to 32 inches. The A-horizon of these soils is generally thin, ranging from 0-9 inches.

Geology and Description of the Mineral Resource

The primary mineral resource on the property is Ordovician-Aged, Sinnipee Group dolomite, a form of limestone. Based upon the information contained on local well construction reports, the dolomite deposit varies in thickness from 0-93 feet. The dolomite exposed in the quarry currently ranges in thickness from 35 feet on the north side of the quarry to 50 feet on the

south side of the quarry and is underlain by sandstone (see Local Well Construction Reports, Appendix C).

Dolomite is one of the most versatile construction materials in the state. Its uses span from building and road aggregate to lakeshore erosion control. The material has been tested and meets State of Wisconsin specifications for quality. An abbreviated list of aggregate products is included in Appendix D.

Surface Water and Ground Water

Existing surface water features surrounding the property are shown in Figure 1 – USGS Topographic and Site Location, and Figure 4 – Existing Conditions (Appendix A). Because of the coarseness of the glacial deposits and near-surface fractured bedrock, the upland areas at the site are very well-drained. Surface water that is not captured by infiltration or plant uptake follows topography to the south towards an unnamed tributary to the south, southeast.

Groundwater across the site follows topography, moving from upland recharge areas to lowland discharge areas. According to UW- Extension and Wisconsin Geological and Natural History Survey Open File Report (WOFR) 1999-04, *Hydrogeology of Dane County*, and *Water-table Elevation and Unlithified Aquifers in Dane County, Wisconsin* by K. Bradbury, S. Swanson, J. Krohelski, and A. Fritz, 1999, groundwater is encountered at an approximate elevation of 920 feet mean sea level. In general, water supply wells in the area are cased through the upper dolomite formation into water-bearing portions of the underlying sandstone or limestone/dolomite bedrock (see Figure 6 – Depth to Water Table, Appendix A).

Plant and Wildlife

The majority of the site is agricultural, with trees or shrubs located along the fence lines. The fields contain various crops such as corn, soybeans, or alfalfa (see Figure 3 – 2018 Aerial Imagery, Appendix A).

The property and neighboring areas provide support for transient species such as geese, ducks, and sandhill cranes due to the availability of food and nearby locations of water. Year-round wildlife species near the site include hawks, fox, skunk, white-tailed deer, rabbits, raccoons, and field mice.

Proposed Operations

The following plan of operation is developed to efficiently utilize the site's natural and agricultural resources, protect human health and the environment, and minimize long-term operational costs. Operation plan details are specified in Figure 8 – Operation Plan, Appendix A.

Access

The mineral resources at the site will be accessed from Center Road through the existing quarry entrance. The visibility at this location is good in both directions. The current access drive is approximately 50 feet in width. Improvements include 100 feet of recycled asphalt pavement, a stop sign leading up to Center Road, and a locking gate at the entrance posted with a “no trespassing” sign when the site is not in operation. An alternate location will be created on the south side of the property according to the driveway permit for the site. Transition areas between the access drive and agricultural fields will be seeded to prevent erosion and the growth of invasive species such as poison ivy and bull thistle.

Setbacks

All subsurface operations will be set back a minimum of 20' from any property line that does not abut a public right of way to comply with Section 10.103(15)(6)(b) of the Dane County Code of Ordinances. A setback of 30' will be applied from Center Road.

Site Development and Erosion Control

The site will be developed incrementally to minimize disturbed areas and preserve farmland. Mining activities will begin in the existing quarry and progress south as labeled in Figure 8 – Operational Plan, Appendix A. Areas not undergoing extraction will be utilized for agricultural production.

The general sequence of initial site development includes land clearing and stripping, followed by berm construction and seeding. Stripped material, including topsoil and overburden, will be excavated incrementally and separated and stored for future reclamation in berms. Besides providing topsoil and overburden storage, the berms offer an aesthetic, sound, and wind buffer to neighboring properties.

To optimize stabilization and minimize the growth of invasive species, the berm will be seeded. The selected seed cover will be based upon the soil type and temperature at the time of planting. A mulch cover will be spread on the sloped areas to reduce erosion and enhance plant growth. Seeding and mulching will be conducted in alignment with the Wisconsin Department of Transportation (WisDOT) standards #630 (Seeding on Slopes) and #627 (Mulching).

Erosion controls outlined in the Wisconsin Department of Natural Resources (WDNR) "Construction Site Best Management Practices" handbook will be utilized as needed to prevent sediment loss during the initial construction phase of the project. Such measures include seeding and mulching, the utilization of straw bales, rip rap with filter fabric, rock check dams, or the construction of settling or containment structures.

The quarry will be utilized for runoff containment support the remainder of the project. Stormwater will be collected in the quarry and discharged, as needed into the drainage swale located adjacent to Center Road according to the site's stormwater pollution prevention plan (SWPPP), before discharging to Badfish Creek. A copy of the SWPPP and Wisconsin Department of Natural Resources general permit for the site (No. WI-A046515-06) is included in Appendix E. A copy of the site's Erosion Control Plan will be submitted upon approval of the sites conditional use permit.

Blasting and Mineral Processing

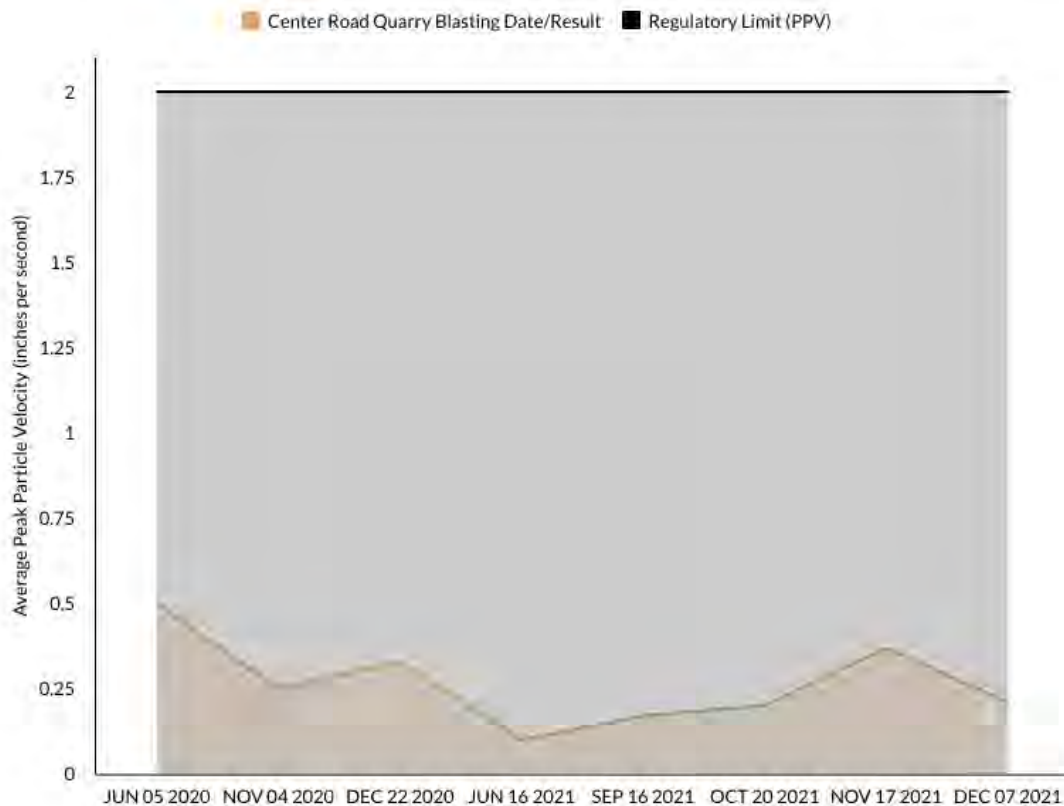
Quarrying operations require the physical reduction of earth materials through the controlled used of explosives and/or blasting agents. The blasting is needed to displace the rock from the quarry face and to produce fragmentation that permits efficient crushing and sizing.

Blasting is regulated by the Wisconsin Department of Safety and Professional Services (SPS). Chapter SPS 307 Explosives and Fireworks of the Wisconsin Administrative Code contains standards for the use of blasting materials and incorporates by reference the National Fire Protection Agency's (NFPA) 495 Explosive Materials Code. Administrative rules are regularly reviewed to keep them consistent with current regional and national public safety and fire prevention practices and standards.

Blasting at the Center Road Quarry does not happen every day. The process involves drilling holes into the dolomite rock and loading the holes with explosive material. The actual duration of each blast is less than one second. The number of blasts each year is proportionate to local demand for stone products. What this means is that some years may have more, others less, based upon the need for stone products in the local community.

For example, blasting at the existing Center Road Quarry occurred on three (3) occasions in 2020, and four (4) occasions in 2021. A summary of blasting performance at the Center Road Quarry compared to safe limits for blasting vibration which is 2.0 peak particle velocity (PPV) according to Wisconsin and U.S. requirements is summarized below. Average PPV is recorded in inches per second based upon results obtained from calibrated seismographs placed at nearby structures including the following residential properties: Kessenick (now Hahn), Peligri, and Hanson (2020), and Hanson (2021). Seismograph readings obtained from the following, non-residential locations are included in the average for several dates: the Town of Rutland Cemetery (December 22, 2020) and the Spelter property (November 4, 2020 and December 22, 2020).

Figure 1 Center Road Quarry Summary of Blasting Results 2020-2021



Blasting is an essential best practice for producing construction aggregate and is currently the most efficient. Blasting is highly regulated. At a minimum each blast at the Center Road Quarry must: (a) meet SPS 307 requirements, (b) be conducted by a trained and licensed blaster, (c) be completed during the hours of 8:00 am and 4:00 pm, Monday – Friday, (c) be recorded by a seismograph/blasting log, and (d) be available for review at any time by residential property owners, township or county upon request.

Dolomite reserves at the site will be extracted to an elevation of 950 feet (MSL) per the site's reclamation plan. A portable crushing plant will be used on an as-needed basis to reduce and size the rock according to its use. Intermittent dewatering will keep the quarry floor dry during this time.

A list of portable equipment that could be utilized in stripping, berm construction, seeding, drilling and blasting, dewatering, and processing is included in Appendix F – Aggregate Processing and Construction Equipment.

Support Structures

Because quarry operations are dynamic, there will be no permanent buildings or structures within the area of extraction. Processing equipment and stockpiles will be positioned to accommodate the working face. A 4' high safety fence will be maintained around the extraction area at all times. A portable scale is positioned near the quarry entrance to weigh material as it leaves the property.

Haul Routes

The primary haul route will be Center Road to County A to US14 and US 138, with loads delivered to customers on town roads. All hauling from the site is based upon day-to-day demand. A typical truck can hold 22 tons of crushed stone. Scheduled loads can range from zero to 50 loads per average day; more or less may be needed for local or specialized projects.

Hours of Operation

The hours of operation at the site will align with other agricultural schedules to take advantage of optimum daylight during the construction season. In general, business hours for commercial sale will be from 7 a.m. to 7 p.m., Monday through Friday, and 7 a.m. to 5 p.m. on Saturdays.

Extended hours may occasionally be needed due to peak hour project restrictions. Material processing will coincide with these hours, but at times, an extended schedule may be utilized to facilitate a project, meet a deadline, or take advantage of fair-weather conditions.

Human Health and Environmental Protections

Several different features have been incorporated into this plan to protect human health and the environment. They are categorized below and outlined in more detail in Appendices E and G. The protections, used in conjunction with the operation plan, are designed to meet Dane County Standards for Conditional Use Permits and support the overall goals of the Town of Rutland comprehensive plan:

- preserve productive farmlands in the town for continued agricultural use
- protect farm operations from conflict with incompatible uses
- preserve natural resources and protect the environment
- encourage land uses that are consistent with and contribute to the town's rural character.

For a summary of how the proposed CUP application for nonmetallic mineral extraction meets Dane County Standards refer to Appendix H.

Safety

The safety aspects of nonmetallic mining are regulated by the Mine, Safety, and Health Administration. The primary safety feature is the installation of a 4-foot tall, woven-wire fence along the perimeter of the excavation. Posted notices or signs will additionally be used to increase awareness and improve safety. These include:

1. Notice of the required site-specific safety training for those entering the quarry
2. Signs posting a safe speed limit
3. Signs with 'No Trespassing' and 'Active Quarry' posted along fencing and/or bermed areas.

Aesthetics

Aesthetics at the site are, in large part, controlled by topography and existing vegetation. The surrounding landscape shields the quarry from view on all sides of the excavation. Existing wooded around the perimeter of the site will be preserved throughout the life of the project.

Noise

Various pieces of construction equipment can produce noise. This equipment is similar in sound and intensity to other noises routinely generated by traffic and nearby agricultural equipment during cultivation, planting, fertilizing, or harvesting. The topography and existing wooded areas on the property provide a natural sound barrier to quarry operations. The following noise abatement measures were additionally compiled to address potential noise concerns of surrounding property owners. They include:

1. Using sound control devices on equipment, such as mufflers.
2. Maintaining equipment on a regular basis.
3. Crushing below grade in the quarry.

Dust

Nelson Excavating has a comprehensive approach to emission control on their nonmetallic mining properties. The best management practices they employ to minimize dust are outlined in detail in their Emission Control Plan, contained in Appendix G.

Ground Water and Surface Water Protection

Groundwater and surface water protection are an integrated part of Nelson Excavating's daily operation. A copy of their pollution prevention and spill response plan is included in Appendix E. This plan identifies potential contaminants and provides best management practices for spill prevention.

Post-Mining Land Use and Proposed Reclamation Plan

Based upon the amount of reserves on the property and commercial sales over time, it is expected that the resource will supply Dane County communities for over 50 years, assuming ½ acre per year.

When the resource is fully depleted, the site will be restored for agricultural and recreational purposes. A reclamation plan for the property will be submitted to Dane County upon approval of a conditional use permit for the site.

Standard of Care

This plan was prepared using generally accepted geologic and hydrogeologic practices and is based upon the information available at the time of preparation. The scope of this plan is limited to the specific locations described herein.

Prepared By:



Susan M. Courter
Registered Professional Geologist
#334-013

References

Bedrock Geology, by M.E. Ostrom; Wisconsin Geological and Natural History Survey, (revised 1995).

Soil Survey of Dane County, Wisconsin, United States Department of Agriculture, 1978 and Natural Resources Conservation Service Web Soil Survey, May 2020

Well Construction Reports provided by Wisconsin DNR and Wisconsin Geological and Natural History Survey

Hydrogeology of Dane County, UW- Extension and Wisconsin Geological and Natural History Survey Open File Report (WOFR) 1999-04

Water-table Elevation and Unlithified Aquifers in Dane County, Wisconsin by K. Bradbury, S. Swanson, J. Krohelski, and A. Fritz, WGNHS Open-File Report 1999-04, 1999

APPENDIX A

FIGURES 1-8

Figure 1	USGS Topographic and Site Location
Figure 2	Zoning & Parcel Boundaries
Figure 3	2018 Aerial Imagery Map
Figure 4	Existing Conditions
Figure 5	Soil Types
Figure 6	Depth to Water Table
Figure 7	Property Owners Within 1,000 Feet
Figure 8	Operation Plan

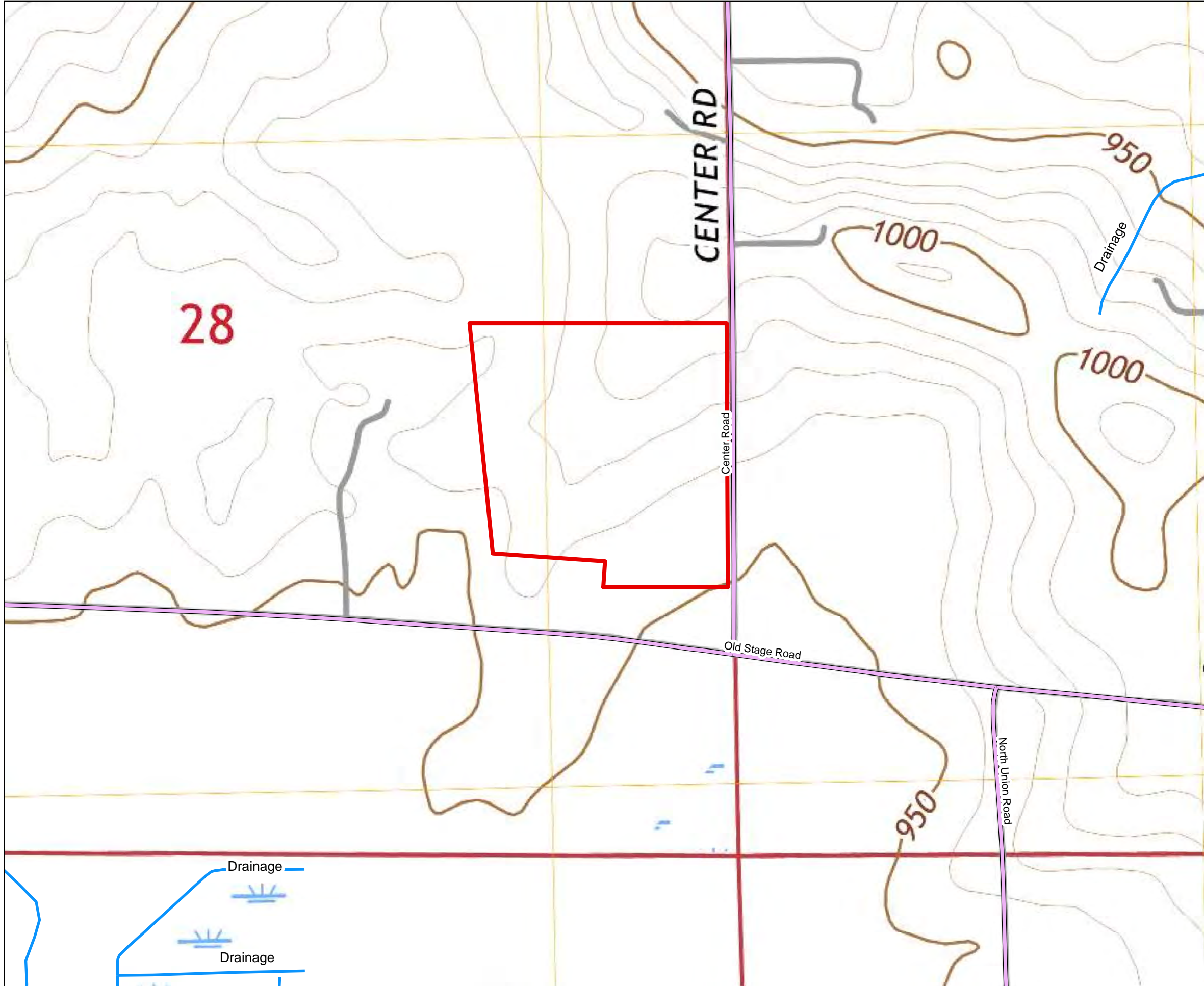



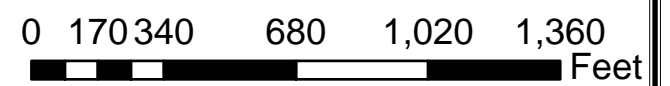


Figure 1
 USGS Topographic
 and Site Location

Legend

-  Rivers and Streams
-  Roads
-  Project Area



Map Created: September 17, 2021
 2018 USGS Topo Map obtained from US Geological Survey, 2018, The National Map. Date Accessed: July 29, 2020
 2020 Parcel Boundary obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>
 2019 Roads data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/county-and-local-roads>

Kevin Hahn Property
 Center Road Quarry
 Section 28, Town of Rutland
 Dane County, WI



Figure 2

Zoning & Parcel Boundaries

Legend

— Roads

▭ Project Area

▭ Parcels outside of Project

Zoning District

▭ FP-1 - Small Lot Farmland Preservation

▭ FP-35 - General Preservation Farmland

▭ RE - Recreational

▭ RM-16 - Rural Mixed-Use, 16-35 acres

▭ RR-2 - Rural Residential, 2-4

▭ RR-4 - Rural Residential, 4-8 acres

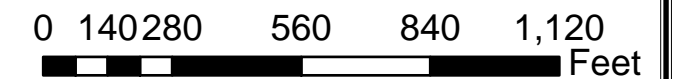
▭ RR-8 - Rural Residential, 8-16

▭ SFR-08 - Single-Family Residential, Small Lots

Parcel Labels

Parcel ID - 051028198504

Acreage - 9.033



Map Created: September 17, 2021

2020 Parcel Boundary and Zoning data obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>

2019 Roads data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/county-and-local-roads>

Kevin Hahn Property
Center Road Quarry
Section 28, Town of Rutland
Dane County, WI

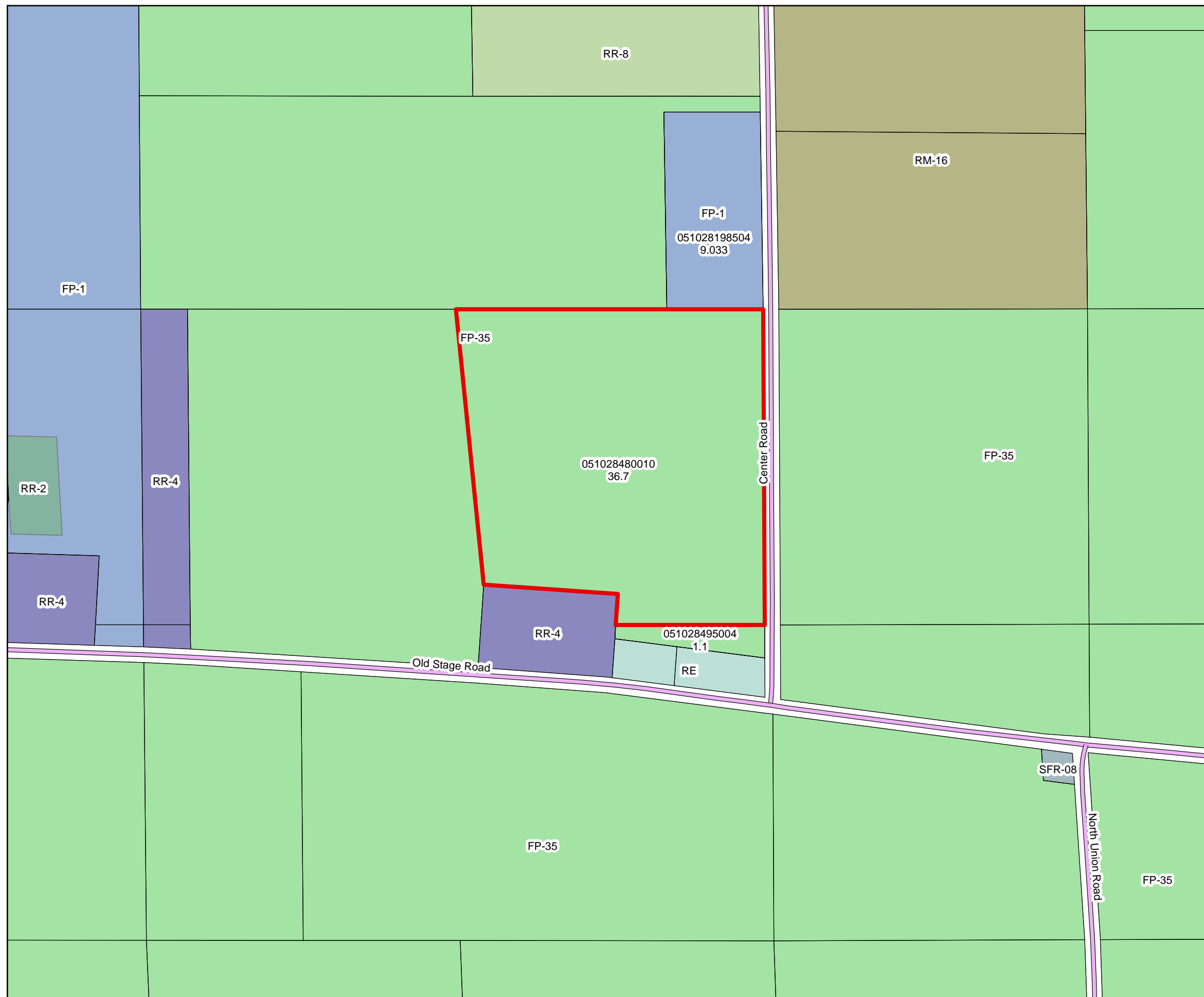


Figure 3

2018 Aerial Imagery Map

Legend

-  Rivers and Streams
-  Roads
-  Project Area
-  Parcels



0 170 340 680 1,020 1,360 Feet

Map Created: September 17, 2021

Aerial Map Data Source: Esri, DigitalGlobe, GeoEye, EarthStar Geographics 2021

2020 Parcel Boundary obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>

2019 Roads data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/county-and-local-roads>

Kevin Hahn Property
Center Road Quarry
Section 28, Town of Rutland
Dane County, WI



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

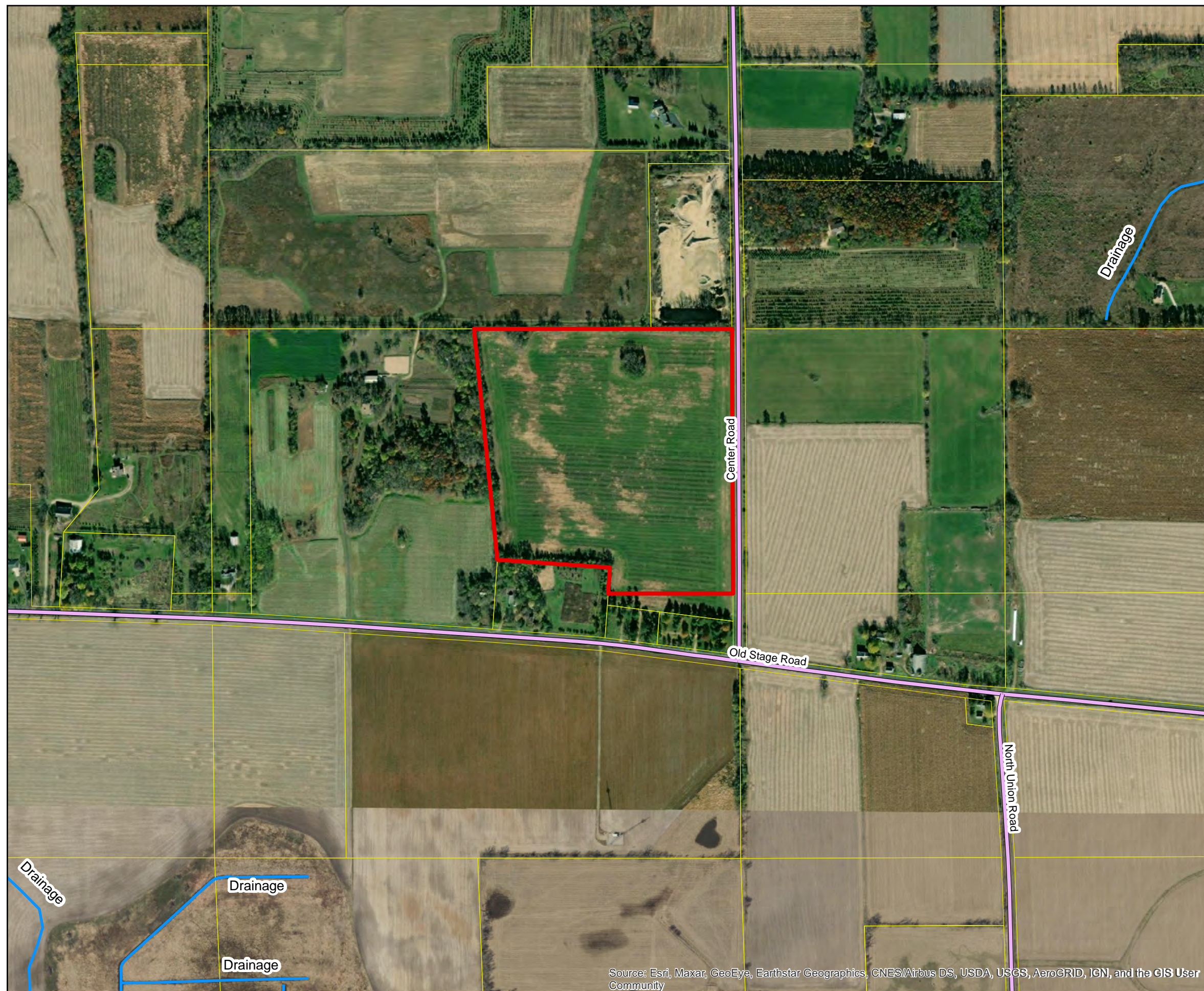
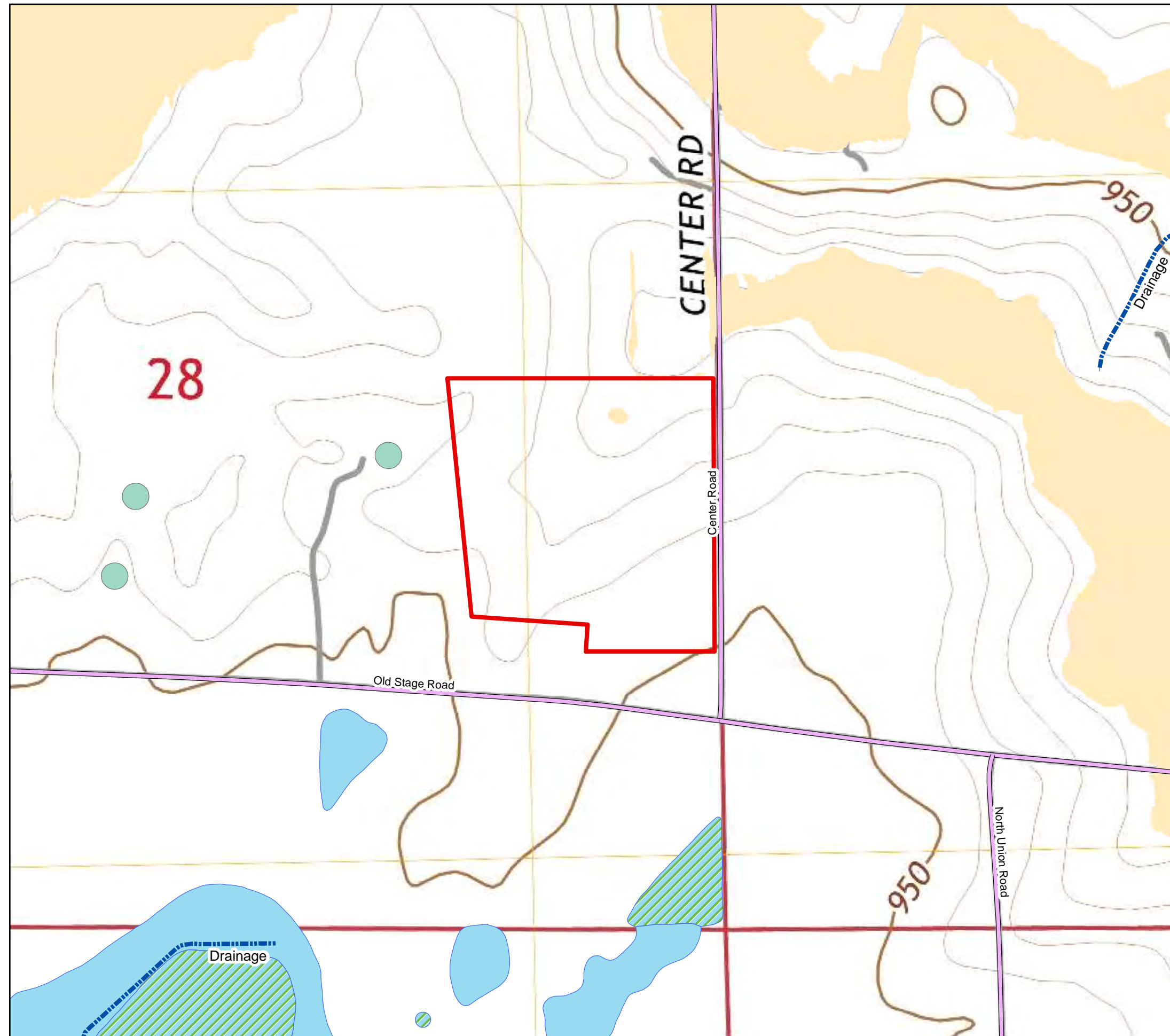


Figure 4
Existing Conditions



Legend

--- Rivers and Streams

— Roads

□ Project Area

Wetland Type

▨ Freshwater Emergent Wetland

■ Freshwater Pond

■ Other

Grade

■ 12% or Greater

□ Below 12%



0 215 430 860 1,290 1,720
Feet

Map Created: September 24, 2021

2018 USGS Topo Map obtained from US Geological Survey, 2018, The National Map. Date Accessed: July 29, 2020

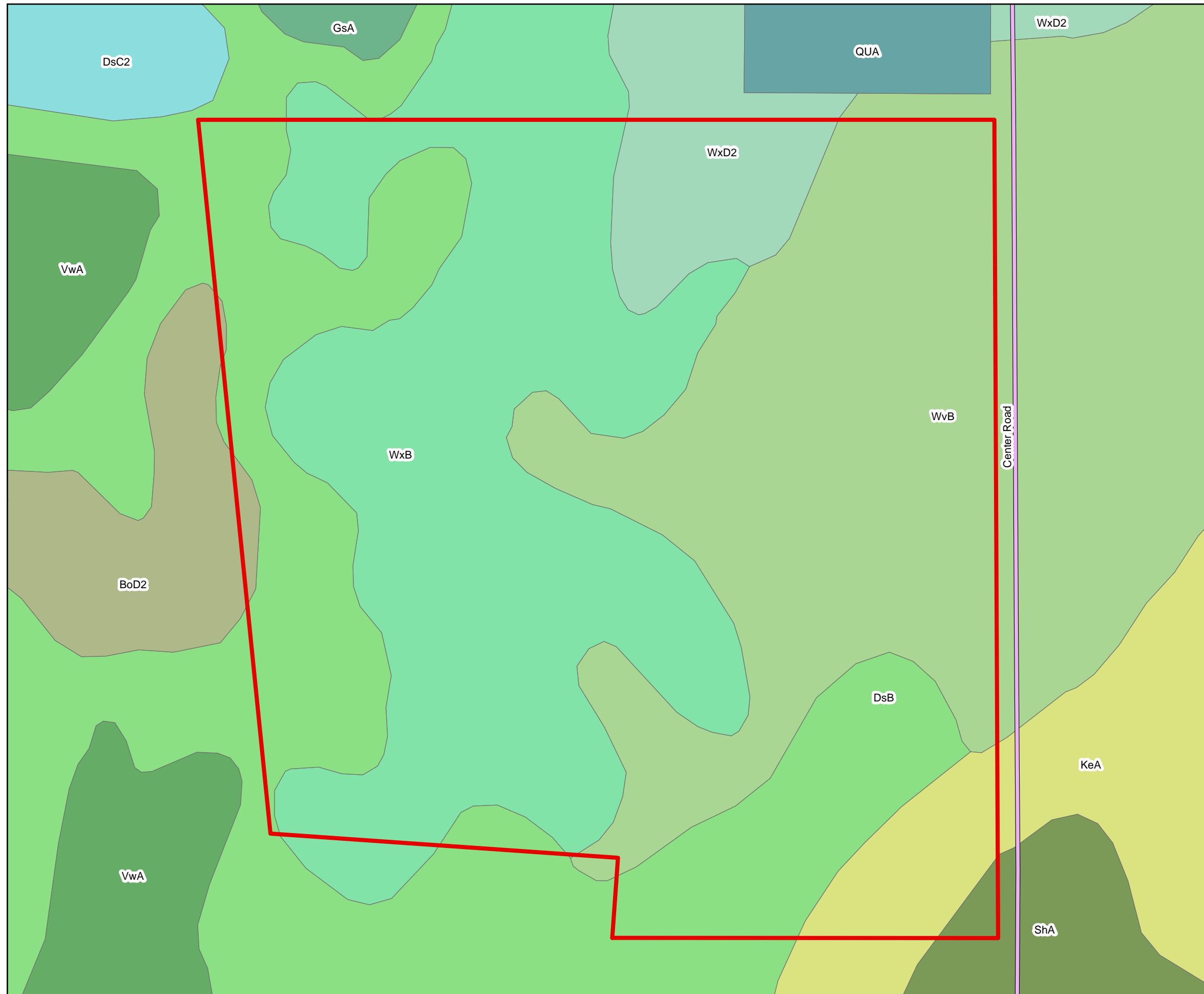
2020 Parcel Boundary obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>

2019 Roads, slope, and wetland data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/>


Kevin Hahn Property
Center Road Quarry
Section 28, Town of Rutland
Dane County, WI














Figure 5
Soil Types

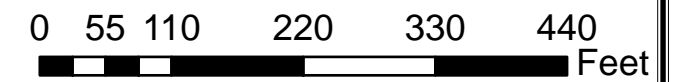


Legend

-  Roads
-  Project Area

Soil Type

-  BoD2 - Boyer sandy loam, 12-20% slopes
-  DsB - Dresden silt loam, 2-6% slopes
-  DsC2 - Dresden silt loam, 6-12% slopes
-  GsA - Grays silt loam, 0-2% slopes
-  KeA - Kert silt loam, 0-3% slopes
-  QUA - Quarry
-  ShA - Shiocton fine sandy loam, 0-3% slopes
-  VwA - Virgil silt loam, 0-3% slopes
-  WvB - Whalan variant loamy fine sand, 2-6% slopes
-  WxB - Wyocena sandy loam, 2-6% slopes
-  WxD2 - Wyocena sandy loam, 12-20% slopes



Map Created: September 17, 2021

2021 Soils Data obtained from USGS Web Soil Survey. Date Accessed: September 17, 2021

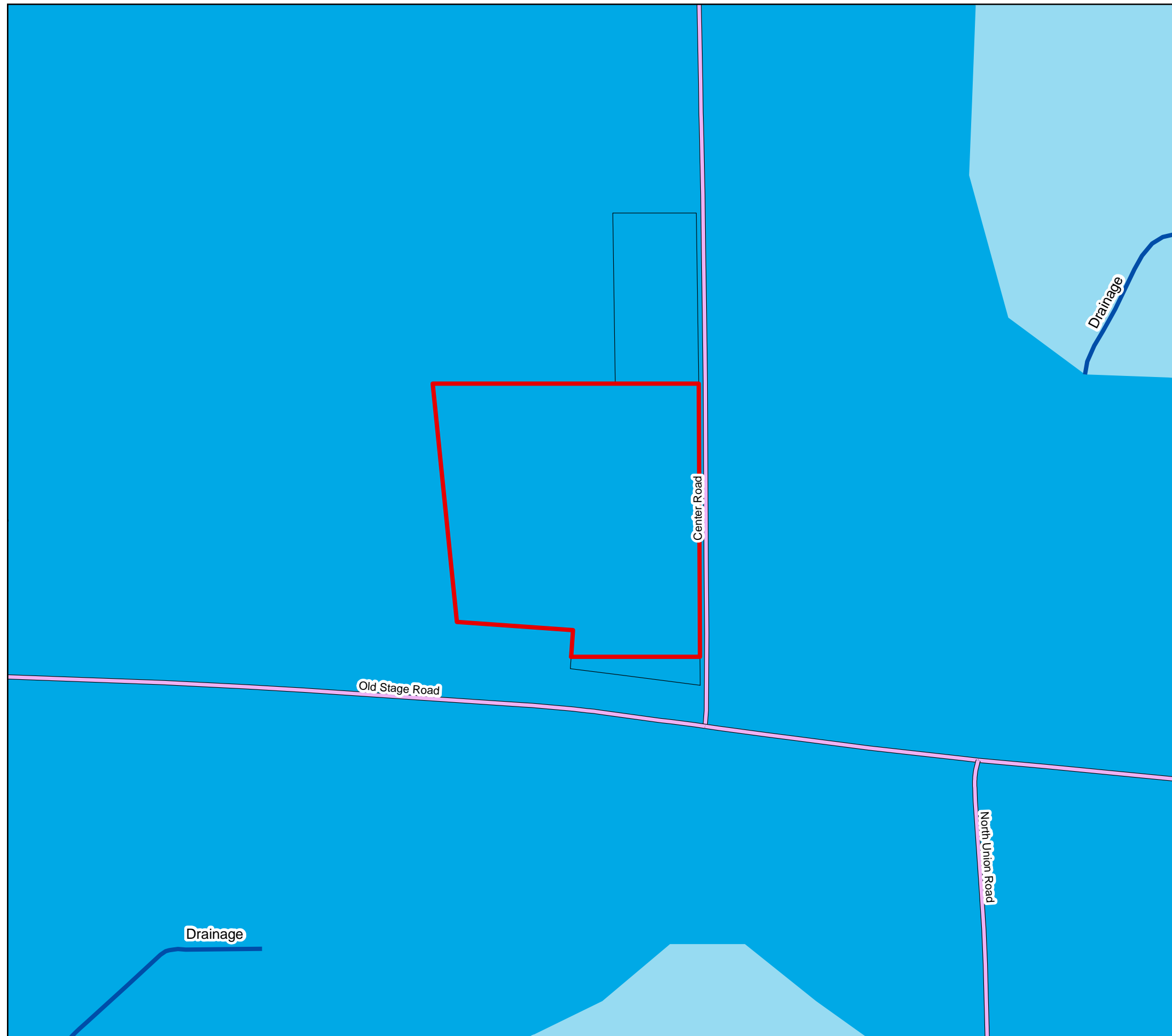
2020 Parcel Boundary obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>

2019 Roads data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/county-and-local-roads>





Kevin Hahn Property
Center Road Quarry
Section 28, Town of Rutland
Dane County, WI



Figure 6
Depth to Water Table

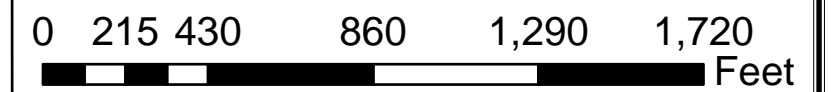


Legend

-  Rivers and Streams
-  Roads
-  Project Area
-  Parcels outside Project

Depth to Water Table

-  0 to 20 feet
-  20 to 50 feet



Map Created: September 17, 2021

Water table & rivers data obtained from WiDNR:
https://dnr.wi.gov/topic/landscapes/documents/StateMaps/Map_S15_WaterTable_Depth.pdf

2020 Parcel Boundary data obtained from Dane Co. records:
<https://gis-countyofdane.opendata.arcgis.com/>






2019 Roads data obtained from Wisconsin DNR OpenData website:
<https://data-wi-dnr.opendata.arcgis.com/datasets/county-and-local-roads>

Kevin Hahn Property
 Center Road Quarry
 Section 28, Town of Rutland
 Dane County, WI



Figure 7
Property Owners
within 600 Feet

Legend

-  Roads
-  600 ft Buffer
-  Project Area
-  Parcels within 600 ft
-  Parcels outside of Buffer

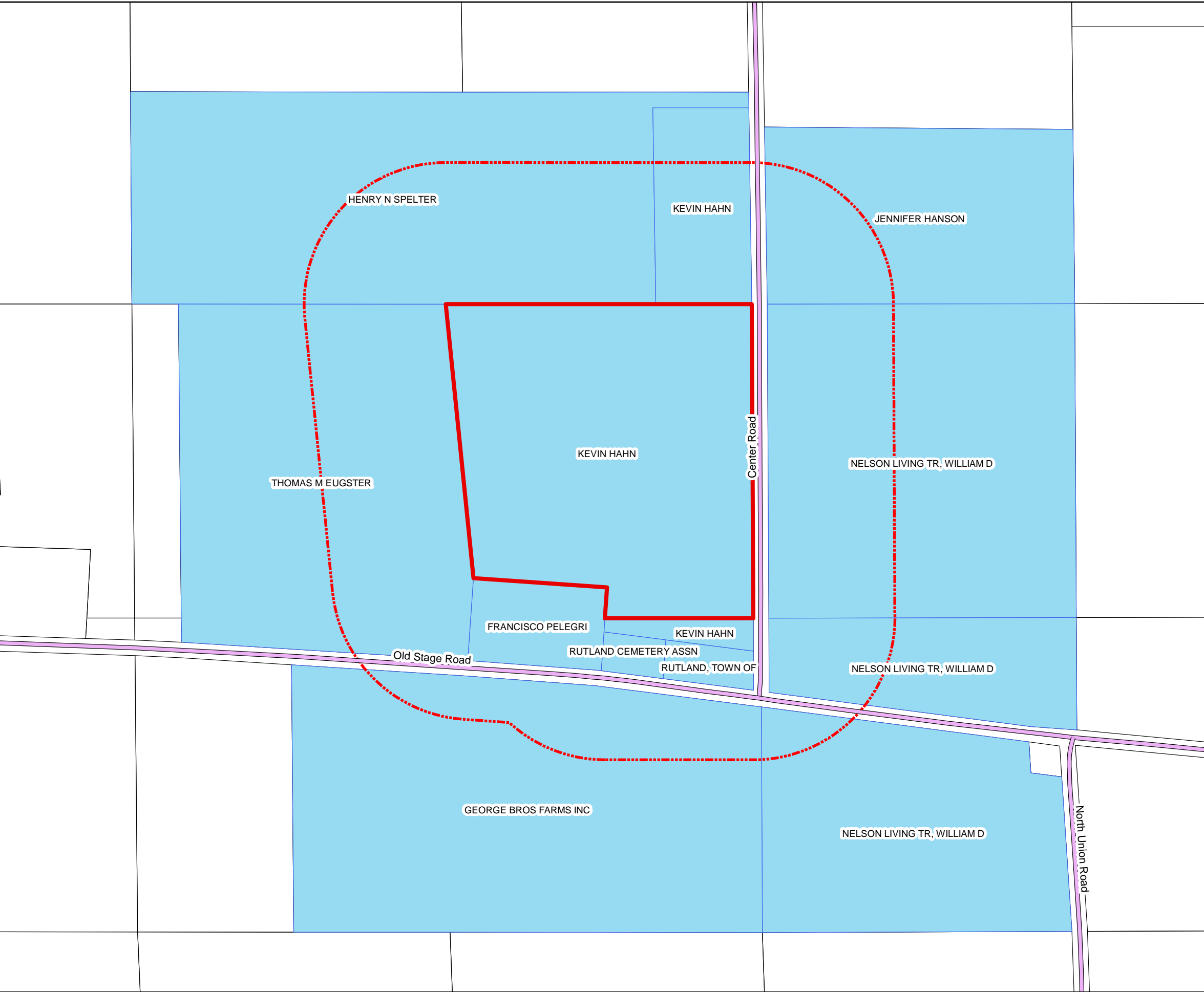


0 140 280 560 840 1,120 Feet

Map Created: September 17, 2021

2020 Parcel Boundary obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>

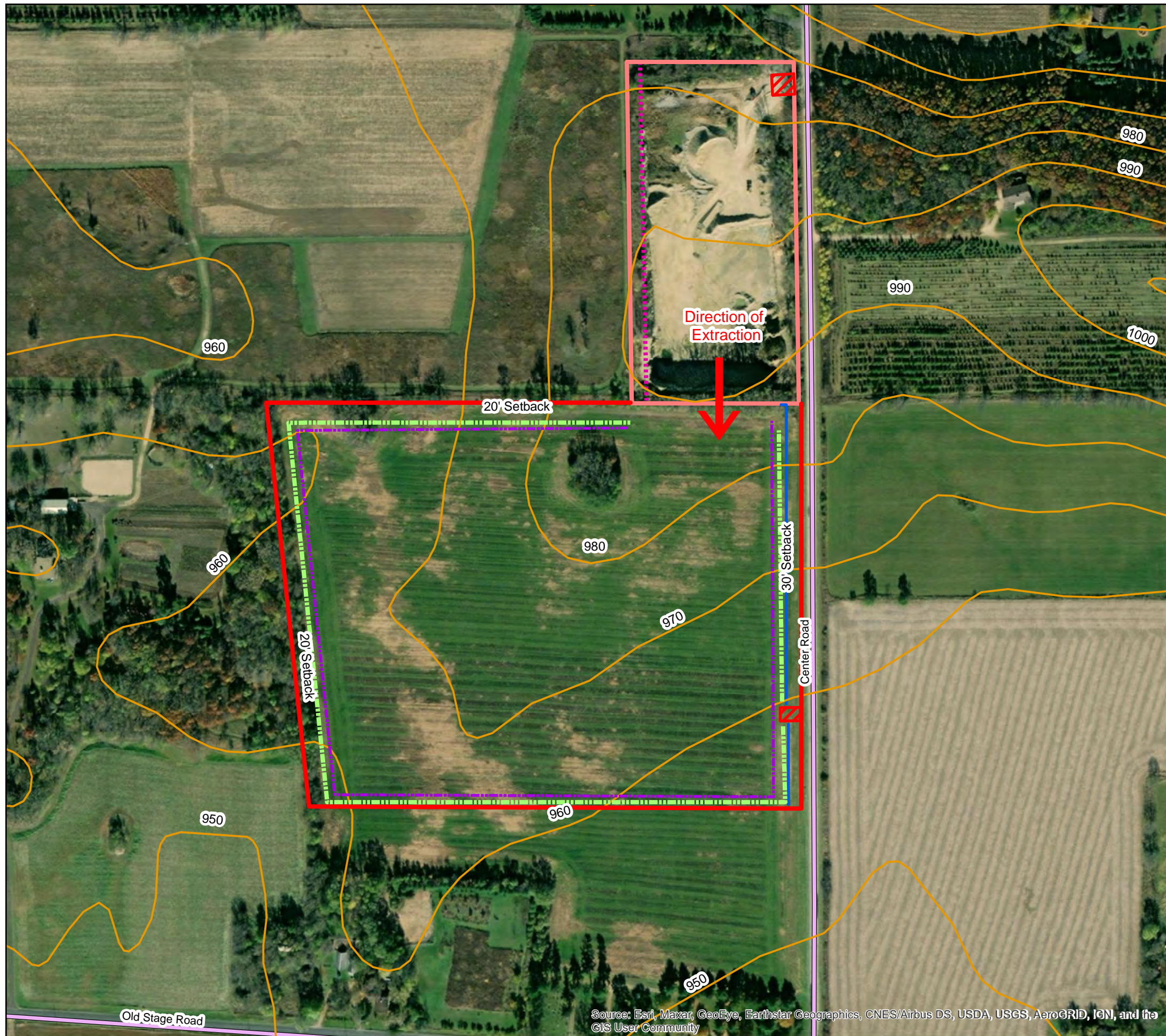
2019 Roads data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/county-and-local-roads>



Kevin Hahn Property
 Center Road Quarry
 Section 28, Town of Rutland
 Dane County, WI



Figure 8
Operation Plan



- Roadway Setback (30 feet)
- - - Working Berm
- - - Extraction Area
- 10' Contours
- Roads
- - - 32.33' Buffer
- Proposed Fence
- Existing Quarry
- Entrance Drive with Locking Gate



0 105 210 420 630 840 Feet

Map Created: October 21, 2021

10' Contours obtained from US Geological Survey, 2018, The National Map. Date Accessed: July 29, 2020

2020 Parcel Boundary obtained from Dane Co. records: <https://gis-countyofdane.opendata.arcgis.com/>

2019 Roads data obtained from Wisconsin DNR OpenData website: <https://data-wi-dnr.opendata.arcgis.com/datasets/>

Aerial Map Data Source: Esri, DigitalGlobe, GeoEye, EarthStar Geographics 2021

Kevin Hahn Property
Center Road Quarry
Section 28, Town of Rutland
Dane County, WI



APPENDIX B

SITE SURVEY

Conditional Use Map

PART OF THE NE 1/4 OF THE SE 1/4, SECTION 28,
T.05N., R.10E., TOWN OF RUTLAND, DANE COUNTY,
WISCONSIN.



CSM
2590

EAST 1/4
CORNER,
SECTION 28

1/4 LINE

N89°22'48"E 1000.00'

Part of the NE 1/4 of the SE 1/4, Section 28, T.05N.,
R.10E., Town of Rutland, Dane County, Wisconsin.

Beginning at the East 1/4 corner of said Section 28;
thence S00°53'15"E along the East line of the SE 1/4,
1000.00 feet; thence S89°22'48"W along a line parallel with
the North line of the said SE 1/4, 1000.00 feet; thence
N00°53'15"W along a line parallel with the East line of the
said 1/4, 1000.00 feet to the North line of the SE 1/4; thence
N89°22'48"E along said North line, 1000.00 feet to the point
of beginning. The above described containing 22.957
acres.

N00°53'15"W 1000.00'

S00°53'15"E 1000.00'

NE 1/4 -
SE 1/4

CENTER ROAD

1/4 - 1/4 LINE

S89°22'48"W 1000.00'

1/4 LINE

1/4 - 1/4 LINE

SE 1/4 -
SE 1/4

S.W. GRAVES
CEMETERY

S.W. GRAVES CEMETERY
ADDITION # 2

OLD STAGE ROAD

Wisconsin Mapping, LLC

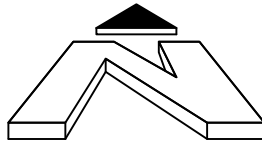
* *surveying and mapping services*
306 West Quarry Street, Deerfield, Wisconsin 53531
(608) 764-5602

Prepared for:
Kevin Hahn
3572 Old Stone Rd.
Stoughton, WI. 53589

Scale 1" = 200'
0 100 200 400

Conditional Use Map

PART OF THE NE 1/4 OF THE SE 1/4, SECTION 28,
T.05N., R.10E., TOWN OF RUTLAND, DANE COUNTY,
WISCONSIN.



CSM
2590

EAST 1/4
CORNER,
SECTION 28

1/4 LINE

N89°22'48"E 1000.00'

Part of the NE 1/4 of the SE 1/4, Section 28, T.05N.,
R.10E., Town of Rutland, Dane County, Wisconsin.

Beginning at the East 1/4 corner of said Section 28;
thence S00°53'15"E along the East line of the SE 1/4,
1000.00 feet; thence S89°22'48"W along a line parallel with
the North line of the said SE 1/4, 1000.00 feet; thence
N00°53'15"W along a line parallel with the East line of the
said 1/4, 1000.00 feet to the North line of the SE 1/4; thence
N89°22'48"E along said North line, 1000.00 feet to the point
of beginning. The above described containing 22.957
acres.

N00°53'15"W 1000.00'

S00°53'15"E 1000.00'

NE 1/4 -
SE 1/4

CENTER ROAD

1/4 - 1/4 LINE

S89°22'48"W 1000.00'

1/4 LINE

1/4 - 1/4 LINE

SE 1/4 -
SE 1/4

S.W. GRAVES
CEMETERY

S.W. GRAVES CEMETERY
ADDITION # 2

OLD STAGE ROAD

Wisconsin Mapping, LLC

surveying and mapping services

306 West Quarry Street, Deerfield, Wisconsin 53531
(608) 764-5602

Prepared for:

Kevin Hahn
3572 Old Stone Rd.
Stoughton, WI. 53589

Scale 1" = 200'

0 100 200 400

APPENDIX C

LOCAL WELL CONSTRUCTION REPORTS

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				FT956		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A																					
Property Owner SUHR, BONNIE				Phone # (608)455-3911		1. Well Location				Fire # (if avail.)																					
Mailing Address 483 CENTER RD						Town of RUTLAND																									
City OREGON				State WI	Zip Code 53575	Street Address or Road Name and Number																									
County Dane				Co. Permit # W09560	Notification #	Completed 01-24-1994	Subdivision Name		Lot #	Block #																					
Well Constructor (Business Name) SAMS ROTARY DRILLERS				Lic. # 370	Facility ID # (Public Wells)		Latitude / Longitude in Decimal Degree (DD)		Method Code																						
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #		42.8722 °N -89.3123 °W		NE NE Section Township Range		GCD013																					
				Approval Date (mm-dd-yyyy)		or Govt Lot #		28 5 N 10 E																							
Hicap Permanent Well #		Common Well #		Specific Capacity 0.8		2. Well Type Reconstruction				of previous unique well # constructed in																					
3. Well serves 1 # of HOMES				Hicap Well ? No		Reason for replaced or reconstructed well ?																									
Private, potable				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																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Upper Enlarged Drillhole</td> <td style="width: 50%;">Lower Open Bedrock</td> </tr> <tr> <td>Rotary - Mud Circulation</td> <td></td> </tr> <tr> <td>Rotary - Air</td> <td></td> </tr> <tr> <td>Rotary - Air & Foam</td> <td></td> </tr> <tr> <td>Drill-Through Casing Hammer</td> <td></td> </tr> <tr> <td>Reverse Rotary</td> <td></td> </tr> <tr> <td>Cable-tool Bit ___in. dia...</td> <td></td> </tr> <tr> <td>Dual Rotary</td> <td></td> </tr> <tr> <td>Temp. Outer Casing ___in. dia</td> <td></td> </tr> <tr> <td>Removed? ___depth ft. (If NO explain on back side)</td> <td></td> </tr> </table>												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)	
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.)		Material, Weight, Specification Manufacturer & Method of Assembly		From (ft.)	To (ft.)	58 ft. below ground surface		18 in. above grade																							
5		STD BLK PIPE, .258 WALL, WELD JTS, SAWHILL		Surface	71	10. Pump Test		Developed ? Yes																							
Dia. (in.)		Screen type, material & slot size		From (ft.)	To (ft.)	Pumping level 84 ft. below surface		Disinfected ? Yes																							
						Pumping at 20 GP M for 1 Hrs.		Capped ? Yes																							
						Pumping Method ?																									
7. Grout or Other Sealing Material				12. Notified Owner of need to fill & seal ?																											
Method				Filled & Sealed Well(s) as needed?																											
				13. Constructor / Supervisory Driller				Lic #		Date Signed																					
				SVG						01-25-1994																					
				Drill Rig Operator				Lic or Reg #		Date Signed																					
				SCK						01-25-1994																					

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

MAR 21 1944

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

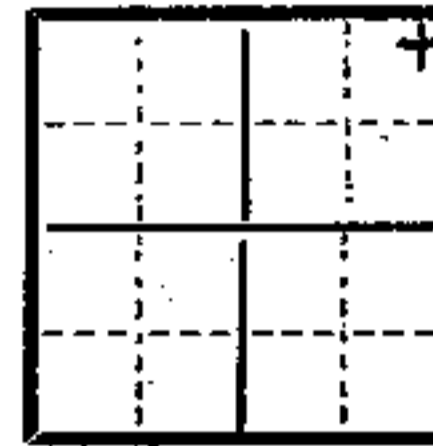
Owner Stone School Dist #5 Driller Harold Burtress
 Street or RFD _____ Post Office Oxfordville wis
 Post Office _____ Date Jan 11-1944 Permit No. 27

LOCATION OF PREMISES

Dane
County

Ruthland
Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



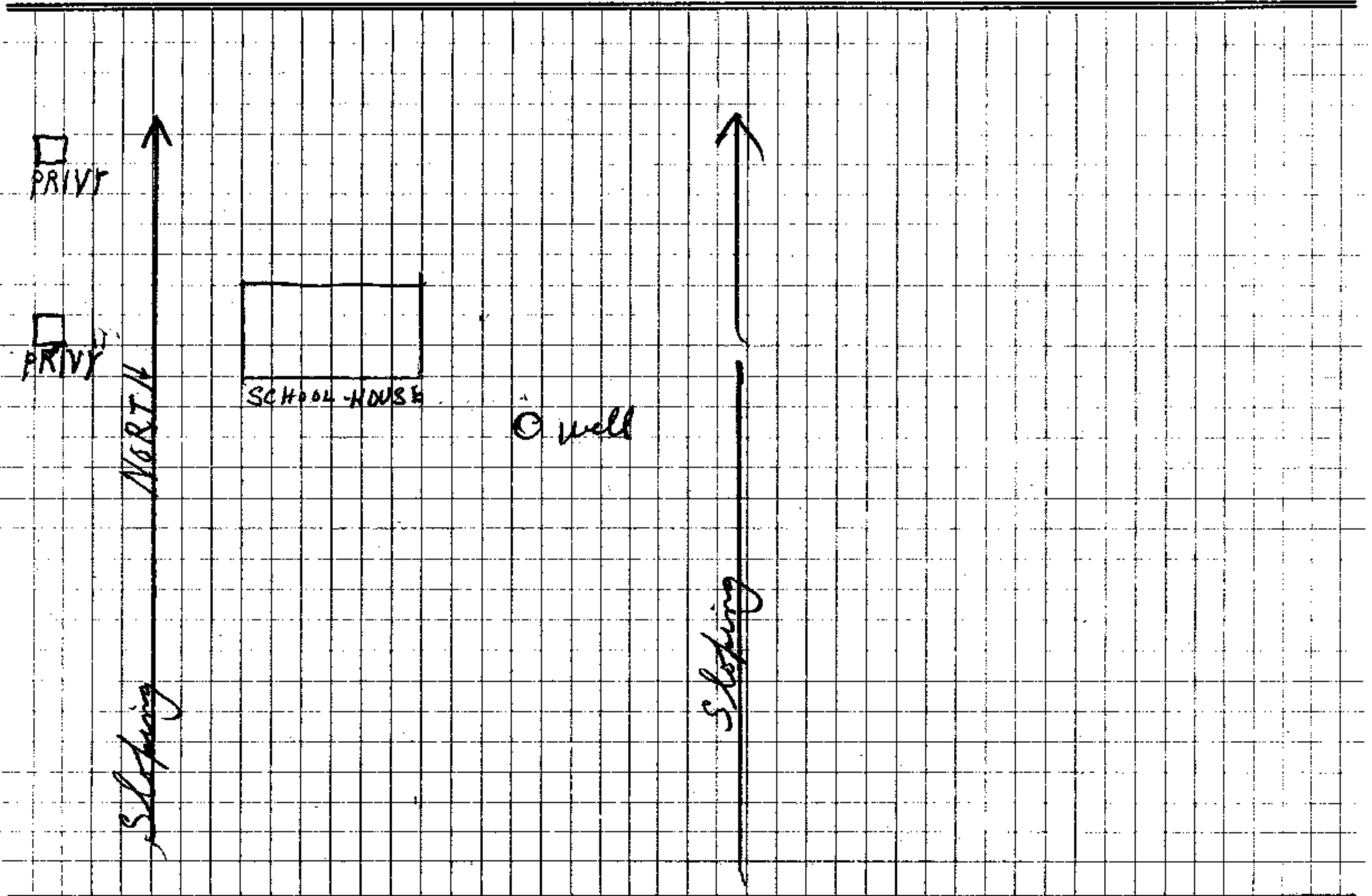
Sec. No. 28
 Twp. North 5N
 Range 10 { E

Describe further by subdivision, plat, district, lake, lot.

block, nearest principal highway, etc., whichever apply.

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt. Water well
pipe Forged steel shoe

Inches	Diameter											Depth
	2	3	4	5	6	8	10	12	14	16		
												25
												50
												75
												100
												150
												200
												400
												800
												1200

clay 44'

broken limestone

| = casing pipe

Duration of test
Hours 5

Pumping rate
G.P.M. 6

Depth of pump in well. Ft. 28'

Standing water-level (from surface)
Ft. 15'

Water-level when pumping Ft. 20'

Water. End of test.
Clear
Cloudy _____
Turbid _____

Was the well sterilized?
Yes No _____

To which laboratory was sample sent?
Blair
Date 11-29-43

Was the well sealed on completion?
Yes No _____

How high did you leave the casing-pipe above grade?
10"

Well was completed
Date 11-29-43

Well Constructor
Harold Burtner
Signature

Draw the diagram to show the full diameter and right section of well only.

NOTE:

White Copy - Division's Copy
 Green Copy - Driller's Copy
 Yellow Copy - Owner's Copy

JAN 19 1983

1. COUNTY Dane		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input type="checkbox"/> City Name Rutland																																																									
2. LOCATION 1/4 Section or Gov't. Lot NE OR - Grid or Street No. Street or Road Name 454 Center Road AND - If available subdivision name, lot & block No.		Section 27	Township 5N	Range 10E	3. NAME <input type="checkbox"/> OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE Quality Builders ADDRESS 454 Center Road POST OFFICE Oregon, WI ZIP CODE 53575																																																						
4. Distance in feet from well to nearest: (Record answer in appropriate block) 16		Building		Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer																																															
		C.I.		Other		C.I.		Other		C.I.		Other																																															
Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump		Septic Tank		Holding Tank																																															
San.		Storm		C.I.		Other		Sewer		Sewage Sump		Clearwater Dr.																																															
				Clearwater Dr.		Clearwater Sump				83		Sewage Absorption Unit																																															
				Sewage Pit		Sewage Bed		72		Sewage Trench		Manure Hopper or Retention or Pneumatic Tank																																															
Privy		Pet Waste Pit		Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter		Animal Barn Pen		Animal Yard																																															
				Well		Nonconforming Existing				Silo With Pit		Glass Lined Storage Facility																																															
				Pump						Silo w/o Pit		Earthen Silage Storage Trench Or Pit																																															
				Tank								Earthen Manure Basin																																															
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Manure Storage Basin		Other (Describe)																																															
										Concrete Floor Only																																																	
										Concrete Floor and Partial Concrete Walls																																																	
5. Well is intended to supply water for: Home					9. FORMATIONS					Kind		From (ft.)		To (ft.)																																													
6. DRILLHOLE					Dia. (in.)					From (ft.)					To (ft.)																																												
8					Surface					63					Sand & Clay					Surface					21																																		
6					63					128					Sandstone					21					60																																		
6					63					128					Limestone					60					128																																		
7. CASING, LINER, CURBING AND SCREEN															Material, Weight, Specification																																												
Dia. (in.)															Mfg. & Method of Assembly															From (ft.)															To (ft.)														
6															Standard Black															Surface															63														
															Pipe, .280 Wall																																												
															Welded Joints,																																												
															A-53.																																												
8. GROUT OR OTHER SEALING MATERIAL															Kind															From (ft.)															To (ft.)														
Mud & Cuttings															Surface															8																													
Cement															8															63															Well construction completed on January 3 1983														
11. MISCELLANEOUS DATA															Yield Test: 4 Hrs. at 21 GPM															Well is terminated 12 inches <input checked="" type="checkbox"/> above <input type="checkbox"/> below final grade																													
Depth from surface to normal water level 60 Ft.															Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																												
Depth of water level when pumping 72 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																												

Water sample sent to **Madison** laboratory on **December 31 1982**

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

Signature *Sam Vander Zanden*
 316 *Sam Vander Zanden* Registered Well Driller

Business Name and Complete Mailing Address
SAM'S ROTARY DRILLERS
ROUTE 2
RANDOLPH, WISCONSIN 53956

MAR 29 1978

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 12-76

1. COUNTY Dane CHECK (✓) ONE: Town Village City Name Rutland

2. LOCATION SE-NE 38 5N 10E 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK (✓) ONE
OR - Grid or Street No. Street Name ADDRESS Propert Bros. Builders
Center rd 10 E. Main
AND - If available subdivision name, lot & block No. POST OFFICE Evansville Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block) Building 19' Sanitary Bldg. Drain C.I. Other Sanitary Bldg. Sewer C.I. Other Floor Drain Connected To: C.I. Sewer Other Sewer Storm Bldg. Drain C.I. Other Storm Bldg. Sewer C.I. Other

Street Sewer San. Storm Other Sewers C.I. Other Foundation Drain Connected to: Sewer Sewage Sump Clearwater Dr. Sewage Sump Clearwater Sump Sewage Sump C.I. Other Clearwater Sump Clearwater Sump

Septic Tank 70 Holding Tank Sewage Absorption Unit Seepage Pit Seepage Bed 80 Seepage Trench

Privy Pet Waste Pit Pit: Nonconforming Existing Well Pump Tank Subsurface Pumproom Nonconforming Existing Barn Gutter Animal Barn Pen Animal Yard Silo With Pit Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit

Temporary Manure Stack Watertight Liquid Manure Tank Solid Manure Storage Structure Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type) Other (Give Description)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>9</u>	<u>Surface</u>	<u>60'</u>			
<u>6</u>	<u>60</u>	<u>125</u>			

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
<u>6</u>	<u>New P.E. Bbb, Seamless</u>	<u>Surface</u>	<u>60</u>
	<u>Steel ASTM A53</u>		
	<u>U.S. WT. 18.97</u>		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
<u>Drilling mud</u>	<u>Surface</u>	<u>60'</u>

9. FORMATIONS

Kind	From (ft.)	To (ft.)
<u>top soil</u>	<u>Surface</u>	<u>2</u>
<u>clay + gravel</u>	<u>2</u>	<u>24</u>
<u>clay</u>	<u>24</u>	<u>60</u>
<u>lime stone</u>	<u>60</u>	<u>110</u>
<u>sand stone</u>	<u>110</u>	<u>125</u>

10. TYPE OF DRILLING MACHINE USED

Cable Tool Rotary-hammer w/drifting mud & air Jetting with

Rotary-air w/drilling mud Rotary-hammer & air Air

Rotary-w/drilling mud Reverse Rotary Water

Well construction completed on 2-23-78 1978

11. MISCELLANEOUS DATA

Yield Test: 1 Hrs. at 20 GPM Well is terminated 8 inches above final grade below

Depth from surface to normal water level 20 Ft. Well disinfected upon completion Yes No

Depth of water level when pumping 95 Ft. Stabilized Yes No Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on 3-28-78 1978

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

Signature: Leon Govert Registered Well Driller Complete Mail Address: **GOVERT BROS. WELL CO.**
RT. # 2 HY. 81
BELOIT, WI 53511

AUG 31 1979

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 Putland

2. LOCATION 1/4 Section NW Section 27 Township 5N Range 10E 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK (✓) ONE Sam Lehner

OR - Grid or Street No. Street Name Center Rd ADDRESS

AND - If available subdivision name, lot & block No. POST OFFICE Stoughton, Wis

4. Distance in feet from well to nearest: (Record answer in appropriate block) Building 24 Sanitary Bldg. Drain C.I. Other Sanitary Bldg. Sewer C.I. Other Floor Drain Connected To: C.I. Sewer Other Sewer Storm Bldg. Drain C.I. Other Storm Bldg. Sewer C.I. Other

Street Sewer San. Storm Other Sewers C.I. Other Foundation Drain Connected to Sewer Clearwater Cr. Sewage Sump Clearwater Sump Sewage Sump C.I. Other Clearwater Sump Septic Tank Holding Tank Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench 65

Privy Pet Waste Pit Pit: Nonconforming Existing Well Pump Tank Subsurface Pumphoom Nonconforming Existing Barn Gutter Animal Barn Pen Animal Yard Silo With Pit Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit

Temporary Manure Stack Watertight Liquid Manure Tank Solid Manure Storage Structure Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type) Other (Give Description)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	Surface	43			
6	43	127			

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay loam	Surface	4
Clay	4	9
Sand & gravel	9	15
Lime Rock	15	127

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	5" STD BIK pipe - 280 wall Weld JTS. A-53	Surface	43

10. TYPE OF DRILLING MACHINE USED

Cable Tool Rotary-hammer w/drilling mud & air Jetting with Air Water

Rotary-air w/drilling mud Rotary-hammer & air

Rotary-w/drilling mud Reverse Rotary

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Mud	Surface	8
Cement	8	43

Well construction completed on 5-8 1979

11. MISCELLANEOUS DATA

Yield Test: 2 Hrs. at 20 GPM

Depth from surface to normal water level 45 Ft.

Depth of water level when pumping 86 Ft. Stabilized Yes No

Well is terminated 12 inches above below final grade

Well disinfected upon completion Yes No

Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on 5-11 1979

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

Signature Sam VanderKam Registered Well Driller

Complete Mail Address RT-2 Randolph, Wis.

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				WJ023		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A		
Property Owner LAUNDRIE, ANDY				Phone # (608)332-5153		1. Well Location				Fire # (if avail.)		
Mailing Address 4082 OLD STAGE RD						Town of RUTLAND				4082		
City BROOKLYN				State WI	Zip Code 53521	Street Address or Road Name and Number						
County Dane				Co. Permit # 27482	Notification # 25232498	Completed 02-20-2007		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)		Method Code			
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #		42.8638 °N -89.3196 °W		GCD013				
Hicap Permanent Well #				Common Well #	Specific Capacity 0.9		SW SE Section Township Range		or Govt Lot # 28 5 N 10 E			
3. Well serves 1 # of Private, potable				Hicap Well ? No		2. Well Type Replacement		of previous unique well # constructed in				
Heat Exchange ___ # of drillholes				Hicap Property ? No		Reason for replaced or reconstructed well ?		OLD WELL OUT OF WATER				
				Hicap Potable ?		Construction Type Drilled						
4. Potential Contamination Sources - ON REVERSE SIDE												
5. Drillhole Dimensions and Construction Method						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...			From (ft.)	To (ft.)		
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole		Lower Open Bedrock	Geology Codes						
6	Surface	97	No Rotary - Mud Circulation		No	-	-	X	-	Sand & Clay	Surface	5
			Yes Rotary - Air		Yes	-	-	X	G	Sand & Clay, w/Gravel/Cobbles/Boulders/Stones	5	59
			No Rotary - Air & Foam		No	-	B	L	-	Broken, Limestone/Dolomite	59	64
			No Drill-Through Casing Hammer			-	-	L	-	Limestone/Dolomite	64	97
			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)									
6. Casing, Liner, Screen						9. Static Water Level			11. Well Is			
Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	25 ft. below ground surface			18 in. above grade			
6	STD BLK, PIPE, .280 WALL, P.E., A53B WHEATLAND			Surface	68	10. Pump Test			Developed ? Yes			
Dia. (in.)	Screen type, material & slot size			From (ft.)	To (ft.)	Pumping level 48 ft. below surface			Disinfected ? Yes			
						Pumping at 20 GP M for 1 Hrs.			Capped ? Yes			
						Pumping Method ?						
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?						
Method						Filled & Sealed Well(s) as needed? Yes						
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement		13. Constructor / Supervisory Driller			Lic #	Date Signed		
Granular bentonite		Surface				JVJG				02-20-2007		
						Drill Rig Operator			Lic or Reg #	Date Signed		
						SIVG				02-20-2007		

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				DC135		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A		
Property Owner FLORENCE KRAUSE				Phone # (608)455-6546		1. Well Location				Fire # (if avail.)		
Mailing Address 4116 OLD STAGE RD						Town of RUTLAND						
City BROOKLYN				State WI	Zip Code 53521	Street Address or Road Name and Number						
County Dane				Co. Permit # W04953	Notification #	Completed 06-05-1991		Subdivision Name		Lot #	Block #	
Well Constructor (Business Name) SAMS ROTARY DRILLERS				Lic. # 370	Facility ID # (Public Wells)		Latitude / Longitude in Decimal Degree (DD)		Method Code			
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #		42.8643 °N -89.3218 °W		GCD013				
				Approval Date (mm-dd-yyyy)		NE SW Section Township Range		or Govt Lot # 28 5 N 10 E				
Hicap Permanent Well #		Common Well #		Specific Capacity 0.7		2. Well Type Replacement				of previous unique well # constructed in		
3. Well serves 1 # of Private, potable				Hicap Well ? No		Reason for replaced or reconstructed well ?				WATER		
Heat Exchange ___ # of drillholes				Hicap Property ? No		Construction Type Drilled						
Hicap Potable ?												
4. Potential Contamination Sources - ON REVERSE SIDE												
5. Drillhole Dimensions and Construction Method						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...		From (ft.)		To (ft.)		
Dia. (in.)		From (ft.)		To (ft.)		Geology Codes						
8		Surface		42		C		CLAY		Surface 4		
6		42		102		Y		SAND AND GRAVEL		4 33		
						C		CLAY		33 36		
						L		LIMESTONE		36 102		
Upper Enlarged Drillhole Lower Open Bedrock												
Yes Rotary - Mud Circulation												
Yes 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.)		Material, Weight, Specification		From (ft.)		To (ft.)		21 ft. below ground surface			0 in. above grade	
6		STD BLACK PIPE .280 WALL, WELD JTS, A-53 KHC		Surface		42		10. Pump Test			Developed ? Yes	
								Pumping level 51 ft. below surface			Disinfected ? Yes	
Dia. (in.)		Screen type, material & slot size		From (ft.)		To (ft.)		Pumping at 20 GP for 1 Hrs.			Capped ? Yes	
								Pumping Method ?				
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?						
Method TREMIE						Filled & Sealed Well(s) as needed?						
Kind of Sealing Material		From (ft.)		To (ft.)		# Sacks Cement						
MUD AND CUTTINGS		Surface		8								
CEMENT		8		42		7						
						13. Constructor / Supervisory Driller		Lic #		Date Signed		
						SV				06-24-1991		
						Drill Rig Operator		Lic or Reg #		Date Signed		
						SK				06-25-1991		

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				TT086		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A	
Property Owner KNUTSON, KENT				Phone # (608)873-8456		1. Well Location				Fire # (if avail.)	
Mailing Address PO BOX 188						Town of RUTLAND					
City STOUGHTON				State WI		Street Address or Road Name and Number OLD STONE ROAD					
County Dane		Co. Permit # 23880		Notification #		Completed 09-30-2004		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)		Method Code		
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #		°N °W		GPS008			
				Approval Date (mm-dd-yyyy)		NW	NE	Section	Township	Range	
Hicap Permanent Well #		Common Well #		Specific Capacity 0.5		or Govt Lot #		28	5 N	10 E	
3. Well serves 1 # of Private, potable				Hicap Well ? No		2. Well Type New Well				of previous unique well # constructed in	
Heat Exchange ___ # of drillholes				Hicap Property ? No		Reason for replaced or reconstructed well ?					
				Hicap Potable ?		Construction Type Drilled					
4. Potential Contamination Sources - ON REVERSE SIDE											
5. Drillhole Dimensions and Construction Method						Geology Codes		8. Geology Type, Caving/Noncaving, Color, Hardness, etc...		From (ft.)	To (ft.)
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole		Lower Open Bedrock		- B L F	Broken, Limestone/Dolomite, w/Fill	Surface	4	
8.75	Surface	63	No Rotary - Mud Circulation		No		- B L -	Broken, Limestone/Dolomite	4	29	
6	63	183	Yes Rotary - Air		Yes		- - L -	Limestone/Dolomite	29	183	
			No Rotary - Air & Foam		No						
			No Drill-Through Casing Hammer								
			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						9. Static Water Level			11. Well Is		
Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	102 ft. below ground surface			18 in. above grade		
6	STD BLK, PIPE, .280 WALL, P.E., A53B WHEATLAND			Surface	63	10. Pump Test			Developed ? Yes		
Dia. (in.)	Screen type, material & slot size			From (ft.)	To (ft.)	Pumping level 130 ft. below surface			Disinfected ? Yes		
						Pumping at 15 GP M for 1 Hrs.			Capped ? Yes		
						Pumping Method ?					
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?					
Method Tremie Pipe - Pumped						Filled & Sealed Well(s) as needed?					
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement		13. Constructor / Supervisory Driller			Lic #	Date Signed	
Neat cement grout		Surface	63	19 S		JVG				09-30-2004	
						Drill Rig Operator			Lic or Reg #	Date Signed	
						DB				09-30-2004	

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				QJ033		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A	
Property Owner HILLESTAD, SHAWN				Phone # (608)575-8899		1. Well Location				Fire # (if avail.)	
Mailing Address 137 E RICHARD APT #6						Town of RUTLAND					
City OREGON				State WI	Zip Code 53575	Street Address or Road Name and Number					
County Dane	Co. Permit # 19891	Notification #	Completed 07-23-2002	Subdivision Name			Lot #	Block #			
Well Constructor (Business Name) RICHARD E BERKHOLTZ			Lic. # 3	Facility ID # (Public Wells)		Latitude / Longitude in Decimal Degree (DD)			Method Code		
Address 6400 LAKE RD WINDSOR WI 53598-9717			Well Plan Approval #		°N °W		GPS008				
			Approval Date (mm-dd-yyyy)		NE SW	Section 28	Township 5 N	Range 10 E			
Hicap Permanent Well #		Common Well #	Specific Capacity 0.3		2. Well Type New Well			of previous unique well # constructed in			
					Reason for replaced or reconstructed well ? NEW HOME						
3. Well serves 1 # of Private, potable			Hicap Well ? No		Construction Type Drilled						
Heat Exchange ___ # of drillholes			Hicap Property ? No								
			Hicap Potable ?								
4. Potential Contamination Sources - ON REVERSE SIDE											
5. Drillhole Dimensions and Construction Method						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...			From (ft.)	To (ft.)	
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole		Lower Open Bedrock	Geology Codes					
9.25	Surface	62	Yes Rotary - Mud Circulation		No	-	-	C S	SANDY CLAY	Surface	6
6	62	144	Rotary - Air			-	M	S -	MEDIUM SAND	6	52
			Rotary - Air & Foam			-	-	Y C	SAND GRAVEL & CLAY	52	56
			Drill-Through Casing Hammer			-	-	L -	LIMESTONE	56	71
			Reverse Rotary			-	B	L -	BROKEN LIMESTONE	71	79
			Cable-tool Bit ___in. dia...			-	-	L -	LIMESTONE	79	144
			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.)	Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	36 ft. below ground surface			12 in. above grade		
6	STD STEEK PE 18.97# ASTMA-53 SAW-HILL			Surface	62	10. Pump Test			Developed ? Yes		
Dia. (in.)	Screen type, material & slot size			From (ft.)	To (ft.)	Pumping level 100 ft. below surface			Disinfected ? Yes		
						Pumping at 20 GP M for 0.5 Hrs.			Capped ? Yes		
						Pumping Method ?					
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?					
Method BRAIDEN HEAD-BENTONITE CIRCULA						Filled & Sealed Well(s) as needed? No					
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement		NONE					
NEAT CEMENT		Surface	62	16 S							
						13. Constructor / Supervisory Driller		Lic #	Date Signed		
						RB					
						Drill Rig Operator		Lic or Reg #	Date Signed		
						MAB			07-24-2002		

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				QJ042		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A		
Property Owner HILLESTAD, SHAWN				Phone # (608)575-8899		1. Well Location				Fire # (if avail.)		
Mailing Address 137 E RICHARD APT 6						Town of RUTLAND						
City OREGON				State WI	Zip Code 53575	Street Address or Road Name and Number						
County Dane				Co. Permit # 19891	Notification #	Completed 08-01-2002		Subdivision Name		Lot #	Block #	
Well Constructor (Business Name) RICHARD E BERKHOLTZ				Lic. # 3	Facility ID # (Public Wells)		Latitude / Longitude in Decimal Degree (DD)		Method Code			
Address 6400 LAKE RD WINDSOR WI 53598-9717				Well Plan Approval #		42.8705 °N -89.3232 °W		GCD013				
Hicap Permanent Well #				Common Well #	Specific Capacity 0.4		NE SW Section Township Range		or Govt Lot # 28 5 N 10 E			
3. Well serves 1 # of Private, potable				Hicap Well ? No		2. Well Type Reconstruction		of previous unique well # QJ033 constructed in 2002				
Heat Exchange ___ # of drillholes				Hicap Property ? No		Reason for replaced or reconstructed well ?		NEW WELL HAD 12.6 NITRATE				
				Hicap Potable ?		Construction Type Drilled						
4. Potential Contamination Sources - ON REVERSE SIDE												
5. Drillhole Dimensions and Construction Method						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...			From (ft.)	To (ft.)		
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole			Lower Open Bedrock						
6	Surface	200	Rotary - Mud Circulation								Surface	144
3.75	200	251	Rotary - Air						L	LIMESTONE	144	168
			Rotary - Air & Foam						T - N -	TAN SANDSTONE	168	220
			Drill-Through Casing Hammer						T H N -	TAN SANDSTONE WITH HARD RED LAYER	220	225
			Reverse Rotary						T - N -	TAN SANDSTONE	225	251
			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.)	Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	75 ft. below ground surface			12 in. above grade			
4	STD STEEL PE 10.79 LBS SAWHILL			Surface	200	10. Pump Test			Developed ? Yes			
Dia. (in.)	Screen type, material & slot size			From (ft.)	To (ft.)	Pumping level 120 ft. below surface			Disinfected ? Yes			
						Pumping at 20 GP M for 0.5 Hrs.			Capped ? Yes			
						Pumping Method ?						
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?						
Method BRAIDEN HEAD BENTONITE						Filled & Sealed Well(s) as needed? No						
Kind of Sealing Material			From (ft.)	To (ft.)	# Sacks Cement	NONE						
			Surface									
NEAT CEMENT			9	200	22 S							
13. Constructor / Supervisory Driller						Lic #	Date Signed					
RB							08-05-2002					
Drill Rig Operator						Lic or Reg #	Date Signed					
MAB							08-05-2002					

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				NE031		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A			
Property Owner HILL, ROBERT					Phone #			1. Well Location			Fire # (if avail.)		
Mailing Address 487 CENTER RD					Town of RUTLAND			Street Address or Road Name and Number					
City STOUGHTON					State WI		Zip Code 53589				487 CENTER RD		
County Dane		Co. Permit # 16093		Notification #		Completed 06-09-1999		Subdivision Name		Lot # 2	Block #		
Well Constructor (Business Name) NIFFENEGGER WELL & PUMP INC				Lic. # 6295	Facility ID # (Public Wells)			Latitude / Longitude in Decimal Degree (DD) 42.8735 °N -89.3112 °W		Method Code GCD013			
Address 902 2ND ST MONROE WI 53566				Well Plan Approval #			NE	NE	Section 28	Township 5 N	Range 10 E		
				Approval Date (mm-dd-yyyy)			or Govt Lot #	28	5	N	10	E	
Hicap Permanent Well #		Common Well #		Specific Capacity 2.5			2. Well Type New Well						
Reason for replaced or reconstructed well ?						of previous unique well # constructed in							
3. Well serves 1 # of Private, potable						Hicap Well ? No			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						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...		From (ft.)		To (ft.)			
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole			Lower Open Bedrock			T	C			
8.75	Surface	41	Rotary - Mud Circulation										
6	41	120	<u>Yes</u> Rotary - Air							Y	C		
			Rotary - Air & Foam							L	S		
			Drill-Through Casing Hammer						BROWN CLAY			Surface	8
			Reverse Rotary						SAND, GRAVEL & CLAY			8	28
			Cable-tool Bit ___ in. dia...						SANDY LIMESTONE			28	120
			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.)	Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	21 ft. below ground surface			18 in. above grade				
6	STD. WT. ST. .280 WALL 18.97# PER FT PL END WELDED JTS. SAWHILL A53B ASTM			Surface	41	10. Pump Test			Developed ? Yes				
Dia. (in.)	Screen type, material & slot size			From (ft.)	To (ft.)	Pumping level 29 ft. below surface			Disinfected ? Yes				
						Pumping at 20 GP M for 2 Hrs.			Capped ? Yes				
						Pumping Method ?							
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?							
Method TREMIE PIPE PUMPED						Filled & Sealed Well(s) as needed?							
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement		13. Constructor / Supervisory Driller			Lic #	Date Signed			
NEAT CEMENT GROUT		Surface	41	15 S		RN				06-18-1999			
						Drill Rig Operator			Lic or Reg #	Date Signed			

001 1 1981

1. COUNTY Dane CHECK (✓) ONE: Town Village City Name Rutland

2. LOCATION SE, SW 1/4 Section or Gov't. Lot NE, S.W. Section 28 Township 5N Range 10E 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK ONE Fred Halverson Frederick A. Halverson

OR - Grid or Street No. 4126 Street or Road Name Old Stage Rd ADDRESS 3703 Nathan Hale Ct

AND - If available subdivision name, lot & block No. POST OFFICE Madison ZIP CODE Wisconsin

4. Distance in feet from well to nearest: (Record answer in appropriate block) Building 23

Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit		Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Clearwater Dr.	C.I.	Other				Seepage Pit	Seepage Bed	

Privy	Pet Waste Pit	Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well	Pump	Tank	Nonconforming Existing								

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin		Other (Describe)
					Concrete Floor Only	Concrete Floor and Partial Concrete Walls	

5. Well is intended to supply water for: House

9. FORMATIONS

Kind	From (ft.)	To (ft.)
<u>sand gravel</u>	<u>Surface</u>	<u>5</u>
<u>clay</u>	<u>5</u>	<u>10</u>
<u>sand clay</u>	<u>10</u>	<u>22</u>
<u>sand</u>	<u>22</u>	<u>51</u>
<u>clay</u>	<u>51</u>	<u>62</u>
<u>limestone</u>	<u>62</u>	<u>105</u>
<u>sand rock</u>	<u>105</u>	<u>163</u>

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>8</u>	<u>Surface</u>	<u>63</u>			
<u>6</u>	<u>63</u>	<u>163</u>			

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
<u>6</u>	<u>Std Black Pipe, .280 Wall, Weld JTS, A-53</u>	<u>Surface</u>	<u>63</u>

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
<u>mud</u>	<u>Surface</u>	<u>63</u>

10. TYPE OF DRILLING MACHINE USED

Cable Tool Rotary-hammer w/drilling mud & air Jetting with

Rotary-air w/drilling mud Rotary-hammer & air Air

Rotary-w/drilling mud Reverse Rotary Water

Well construction completed on Sept 28 1981

11. MISCELLANEOUS DATA

Yield Test: 2 Hrs. at 20 GPM

Depth from surface to normal water level 38 Ft.

Depth of water level when pumping 80 Ft. Stabilized Yes No

Well is terminated 12 inches above below final grade

Well disinfected upon completion Yes No

Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on Sept 29 1981

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

Signature Sam Vander Halving Registered Well Driller

Business Name and Complete Mailing Address **SAM'S ROTARY DRILLERS**
 ROUTE 2
 RANDOLPH, WISCONSIN 53956

325

Well Construction Report				XP379		Drinking Water and Groundwater - DG/5				Form 3300-077A							
WISCONSIN UNIQUE WELL NUMBER						Department of Natural Resources, Box 7921				Madison WI 53707							
Property Owner PELEGRI, FRANCISCO						Phone #											
Mailing Address 4006 OLD STAGE RD						1. Well Location						Fire # (if avail.)					
City BROOKLYN						State WI		Zip Code 53521				Town of RUTLAND					
County Dane		Co. Permit #		Notification #		Completed 07-21-2015		Street Address or Road Name and Number				4006 OLD STAGE RD					
Well Constructor (Business Name) NIFFENEGGER WELL & PUMP INC						Lic. # 6295		Facility ID # (Public Wells)				Latitude / Longitude in Decimal Degree (DD)		Method Code			
Address 902 2ND ST MONROE WI 53566						Well Plan Approval #		SE SE		Section 28		Township 5 N		Range 10 E			
Approval Date (mm-dd-yyyy)						2. Well Type New Well						of previous unique well #		constructed in			
Hicap Permanent Well #		Common Well #		Specific Capacity		Reason for replaced or reconstructed well ?											
3. Well serves 1 # of GEOTHERMAL HOLE						Hicap Well ? No		Heat Exchange ___ # of drillholes						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							
6		Surface		170		Rotary - Mud Circulation				Rotary - Air							
						Yes Rotary - Air & Foam				No							
						Drill-Through Casing Hammer				Reverse Rotary							
						Cable-tool Bit ___ in. dia...				Dual Rotary							
						Yes Temp. Outer Casing 6in. dia				Yes Removed? 32depth ft. (If NO explain on back side)							
6. Casing, Liner, Screen																	
Dia. (in.)		Screen type, material & slot size				From (ft.)		To (ft.)									
7. Grout or Other Sealing Material																	
Method TREMIE PIPE PUMPED																	
Kind of Sealing Material		From (ft.)		To (ft.)		# Sacks Cement											
BH20		Surface		170		13 S											
8. Geology																	
Geology Codes				Type, Caving/Noncaving, Color, Hardness, etc...				From (ft.)		To (ft.)							
-		-		Y I		TOPSOIL, SAND, GRAVEL				Surface 30							
-		-		L N		LIMESTONE W/SANDSTONE SEAMS				30 170							

9. Static Water Level

_____ ft. _____ground surface

11. Well Is_____ in.
_____Grade**10. Pump Test**

Pumping level _____ ft. below surface

Pumping at _____ GP for _____ Hrs.

Pumping Method ?

Developed ?

Disinfected ?

Capped ?

12. Notified Owner of need to fill & seal ?

Filled & Sealed Well(s) as needed?

13. Constructor / Supervisory Driller

Lic #

Date Signed

JF

07-21-2015

Drill Rig Operator

Lic or Reg #

Date Signed

RN

07-21-2015

4a. Potential Contamination Sources

Is the well located in floodplain ?

Type	Qualifier	Distance	Type	Qualifier	Distance
POWTS dispersal component (soil absorption unit or mound)	>	60	Building Overhang	>	50
			Septic or Holding, or POWTS Tank	>	50

Comment:

1 GEOTHERMAL HOLE; 13 SACKS CEMENT. LOOP SYSTEM THAT HORIZONTALLY DRILLED BY ANOTHER FIRM. GEOTHERMO CONNECT-MEQUON. THEY HIT ROCK ON LAST HOLE. NIFFENEGGER CAME IN & CONSTRUCTED HOLE. PERMISSION FROM R. CLARK TO CONSTRUCT. NO NOTIFICATION.

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 09-08-2015

Created by: WELL CONST LOAD

Updated On: 12-11-2019

Updated by: PARCEL_MATCH_LL
_OK

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				FY148		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A		
Property Owner EUGSTEN, TOM					Phone # (608)873-3822			1. Well Location			Fire # (if avail.)	
Mailing Address 4738 SCHUSTER					Town of RUTLAND			Street Address or Road Name and Number				
City OREGON					State WI		Zip Code 53575				OLD STAGE	
County Dane		Co. Permit # W07930		Notification #		Completed 07-13-1993		Subdivision Name		Lot #	Block #	
Well Constructor (Business Name) SAMS ROTARY DRILLERS				Lic. # 370	Facility ID # (Public Wells)			Latitude / Longitude in Decimal Degree (DD)		Method Code		
Address PO BOX 150 RANDOLPH WI 53956-0150				Well Plan Approval #			°N	°W	GPS008			
				Approval Date (mm-dd-yyyy)			NE	SE	Section 28	Township 5 N	Range 10 E	
Hicap Permanent Well #		Common Well #		Specific Capacity 0.7			2. Well Type New Well		of previous unique well # constructed in			
Hicap Well ? No		Hicap Property ? No		Hicap Potable ?			Reason for replaced or reconstructed well ? HOME @ HOUSE BARN					
3. Well serves 1 # of Private, potable				Heat Exchange ___ # of drillholes			Construction Type Drilled					
4. Potential Contamination Sources - ON REVERSE SIDE												
5. Drillhole Dimensions and Construction Method						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...		From (ft.)		To (ft.)		
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole			Lower Open Bedrock						
8	Surface	63	Yes Rotary - Mud Circulation						Surface	5		
6	63	152	Yes Rotary - Air						5	45		
			Rotary - Air & Foam						45	60		
			Drill-Through Casing Hammer						60	152		
			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.)	Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	35 ft. below ground surface			18 in. above grade			
6	STD BLACK PIPE .280 WALL, WELD JTS, A-53, SAWHILL			Surface	63	10. Pump Test			Developed ?	Yes		
						Pumping level 65 ft. below surface			Disinfected ?	Yes		
Dia. (in.)	Screen type, material & slot size			From (ft.)	To (ft.)	Pumping at 20 GP M for 1 Hrs.			Capped ?	Yes		
						Pumping Method ?						
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ?						
Method						Filled & Sealed Well(s) as needed?						
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement		13. Constructor / Supervisory Driller			Lic #	Date Signed		
MUD @ CUTTINGS		Surface	63			SVG				07-21-1993		
						Drill Rig Operator			Lic or Reg #	Date Signed		
						STEK				07-21-1993		

WELL CONSTRUCTOR'S REPORT

Well-6

AUG 18 1971 STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

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

1. COUNTY Dane CHECK ONE Town Village City NAME Rutland

2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.)
NE1-NE1-SW1-SEC 28-R10E-T5N

3. OWNER AT TIME OF DRILLING
Dean George

4. OWNER'S COMPLETE MAIL ADDRESS
Rt. 1 Evansville, Wis.

5. Distance in feet from well to nearest:

(Record answer in appropriate block)	BUILDING		SANITARY SEWER		FLOOR DRAIN		FOUNDATION DRAIN		WASTE WATER DRAIN	
	C. I.	TILE	C. I.	TILE	C. I.	TILE	SEWER CONNECTED	INDEPENDENT	C. I.	TILE
<u>x means none</u>	10	50	X	X	X	X	X	X	X	X
CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE		
C. I. TILE										
X	X	60	X	70	X	115	133	X		X

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)
X

6. Well is intended to supply water for:
Residence

7. DRILLHOLE						10. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dis. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
10	Surface	20	6	20	130	Drift	Surface	2
						Sand	2	10
8. CASING, LINER, CURBING, AND SCREEN						Hardpan	10	40
6	T&C New Black Steel			Surface	62' 2"	Sand	40	60
	19.45 #1					Sandstone	60	96
						Limerock	96	130

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill cuttings	Surface	20

Well construction completed on May 20 1971

11. MISCELLANEOUS DATA

Yield test: 4 Hrs. at 50 GPM Well is terminated 10 inches above below final grade

Depth from surface to normal water level 22 ft. Well disinfected upon completion Yes No

Depth to water level when pumping 30 ft. Well sealed watertight upon completion Yes No

Water sample sent to Madison # 60696 laboratory on: May 24 1971

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 Harold J. Moldenhauer Registered Well Driller COMPLETE MAIL ADDRESS Jefferson Well Drilling
1207 South Main St.
Jefferson, Wis.

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
3576				130 plot

Well Construction Report WISCONSIN UNIQUE WELL NUMBER				YV926		Drinking Water and Groundwater - DG/5 Department of Natural Resources, Box 7921 Madison WI 53707				Form 3300-077A	
Property Owner COOK LIVING TRUST				Phone #		1. Well Location				Fire # (if avail.)	
Mailing Address W6193 RON HILL LN						Town of RUTLAND					
City MONTICELLO				State WI	Zip Code 53570	Street Address or Road Name and Number					
County Dane				Co. Permit # 00158	Notification # 6873125904	Completed 05-16-2018	Subdivision Name CSM 13824		Lot # 1	Block #	
Well Constructor (Business Name) SAM'S WELL DRILLING INC				Lic. # 370	Facility ID # (Public Wells)		Latitude / Longitude in Decimal Degree (DD)		Method Code		
Address PO BOX 150 N9935 PLEASANT RD RANDOLPH WI 53956				Well Plan Approval #		43.0097 °N -89.4517 °W		NE SW Section Township Range		GPS008	
				Approval Date (mm-dd-yyyy)		or Govt Lot # 28		5 N		10 E	
Hicap Permanent Well #		Common Well #		Specific Capacity 0.4		2. Well Type New Well				of previous unique well # constructed in	
3. Well serves 1 # of HOME				Hicap Well ? No		Reason for replaced or reconstructed well ?					
Private, potable				Hicap Property ? No		Construction Type Drilled					
Heat Exchange ___ # of drillholes				Hicap Potable ? Yes							
4. Potential Contamination Sources - ON REVERSE SIDE											
5. Drillhole Dimensions and Construction Method						8. Geology Type, Caving/Noncaving, Color, Hardness, etc...			From (ft.)		To (ft.)
Dia. (in.)		From (ft.)	To (ft.)	Upper Enlarged Drillhole		Lower Open Bedrock					
8.75		Surface	102	<u>Yes</u> Rotary - Mud Circulation		<u>No</u>				Surface	22
6		102	183	<u>No</u> Rotary - Air		<u>Yes</u>				22	31
				<u>No</u> Rotary - Air & Foam		<u>No</u>				31	42
				<u>No</u> Drill-Through Casing Hammer						42	57
				<u>No</u> Reverse Rotary							
				<u>No</u> Cable-tool Bit ___in. dia...		<u>No</u>				57	183
				<u>No</u> Dual Rotary		<u>No</u>					
				<u>Yes</u> Temp. Outer Casing 10in. dia							
				<u>Yes</u> Removed? 3depth ft. (If NO explain on back side)							
6. Casing, Liner, Screen						9. Static Water Level			11. Well Is		
Dia. (in.)		Material, Weight, Specification Manufacturer & Method of Assembly		From (ft.)	To (ft.)	33 ft. below ground surface			24 in. above grade		
6		STD BLK, PIPE, .280 WALL, A53B, TECHNOTUBI		Surface	102	10. Pump Test			Developed ? Yes		
Dia. (in.)		Screen type, material & slot size		From (ft.)	To (ft.)	Pumping level 90 ft. below surface			Disinfected ? Yes		
						Pumping at 20 GP M for 1 Hrs.			Capped ? Yes		
						Pumping Method ? Test Pump					
7. Grout or Other Sealing Material						12. Notified Owner of need to fill & seal ? No					
Method TREMIE PIPE - PUMPED						Filled & Sealed Well(s) as needed? No					
Kind of Sealing Material		From (ft.)	To (ft.)	# Sacks Cement		13. Constructor / Supervisory Driller			Lic #	Date Signed	
NEAT CEMENT GROUT		Surface	102	23 S		JVG			6026	05-16-2018	
						Drill Rig Operator			Lic or Reg #	Date Signed	
						JS			7377	05-16-2018	

APPENDIX D

AGGREGATE PRODUCTS

AGGREGATE PRODUCTS LIST

Crushed Stone:

- 3/4" Clear Crushed Limestone
- 1 1/4" Clear Crushed Limestone
- 3" Clear Crushed Limestone
- 5" Clear Crushed Limestone
- 3/4" Base Crushed Limestone
- 1 1/4" Base Crushed Limestone
- 3" Breaker Run
- Screenings
- Rip-Rap – Various Sizes

Recycled Products:

- 1 1/4" Crushed Asphalt
- 1 1/4" Crushed Concrete

Other Products:

- Bank Run Sand
- Screened Sand
- Topsoil
- Screened Topsoil
- Landscape Boulders
- Cobblestone – Various Sizes

APPENDIX E

WDNR PERMIT AND STORM WATER POLLUTION PREVENTION PLAN

B. GENERAL FACILITY INFORMATION

Name of Facility:

Nelson Pit

Facility Address:

437 Center Rd. Oregon WI. 53575

Facility Contact:

Name:

Kevin W Hahn

Title:

Managing Member

Telephone:

608-333-5607

Mailing Address:

3898 Old Stone Rd. Oregon, WI. 53575

Owner:

Kevin W Hahn

Operator: (if different from Owner)

Standard Industrial Classification (SIC) Code: 144

1420

Permit Information:

Permit Number: WI-00465150-4

Initial Date of Coverage: (Start Date on Cover Letter)

2 March 18

Number of Storm Water Outfalls:

One

Receiving Water

Emergency Contact (preferably on-site):

Name:

Kevin W. Hahn

Telephone:

608-333-5607

C. OBJECTIVES

This storm water pollution prevention plan (SWPPP) covers the operations at

Nelson Pit 437 Center Rd. Oregon WI 53575

insert facility name

It has been developed as required under Section 3.3 of Wisconsin's Pollutant Discharge Elimination System (WPDES) general permit WI-0046515-4 for Nonmetallic Mining Operations in accordance with good engineering practices. This SWPPP describes this facility and its operations, identifies potential sources of storm water pollution at the facility, recommends appropriate best management practices (BMPs) or pollution control measures to reduce the discharge of pollutants in storm water runoff, and provides for periodic review of this SWPPP.

The primary goal of the storm water permit program is to improve the quality of surface waters and groundwaters by reducing the amount of pollutants potentially contained in the storm water runoff. Nonmetallic mining operations required by part 3.3 of industrial wastewater WPDES permit WI-0046515-4 must prepare and implement a SWPPP for their facility.

The BMPs that are used on a site are dictated by the site conditions. However the following principles of erosion and sediment control are defined in the Wisconsin Construction Site Best Management Practices Handbook, and apply on NMM sites as well:

- ◆ Minimize disturbed areas
- ◆ Stabilize inactive disturbed areas
- ◆ Keep runoff velocities low
- ◆ Protect disturbed areas from stormwater runoff
- ◆ Retain sediment within the site boundaries
- ◆ Maintain the BMP practices selected

This SWPPP will:

- ◆ identify sources of storm water and non-storm water contamination to the storm water drainage system;
- ◆ identify and prescribe appropriate best management practices designed to prevent storm water contamination from occurring;
- ◆ identify and prescribe best management practices to reduce pollutants in contaminated storm water prior to discharge;
- ◆ prescribe actions needed either to bring non-storm water discharges under the WPDES permit or to remove these discharges from the storm drainage system;
- ◆ prescribe a schedule to ensure that the storm water management actions prescribed in the Storm Water Pollution Prevention Plan are carried out and evaluated on a regular basis.

D. STORM WATER POLLUTION PREVENTION TEAM

The storm water pollution prevention team is responsible for developing, implementing, maintaining, and revising this SWPPP. The members of the team are familiar with the management and operations of

Nelson Pit 437 Center Rd. Oregon WI. 53575

insert facility name

Identify by job title the person in charge of all aspects of SWPPP development and implementation. The member(s) of the team and their responsibilities (i.e. implementing, maintaining, record keeping, submitting reports, conducting inspections, employee training, conducting the annual compliance evaluation, testing for non-storm water discharges, signing the required certifications) are as follows:

Name	Title	Responsibility
Kevin W. Hahn	Owner	All Responsibilities
N/A		
N/A		

Employee Training

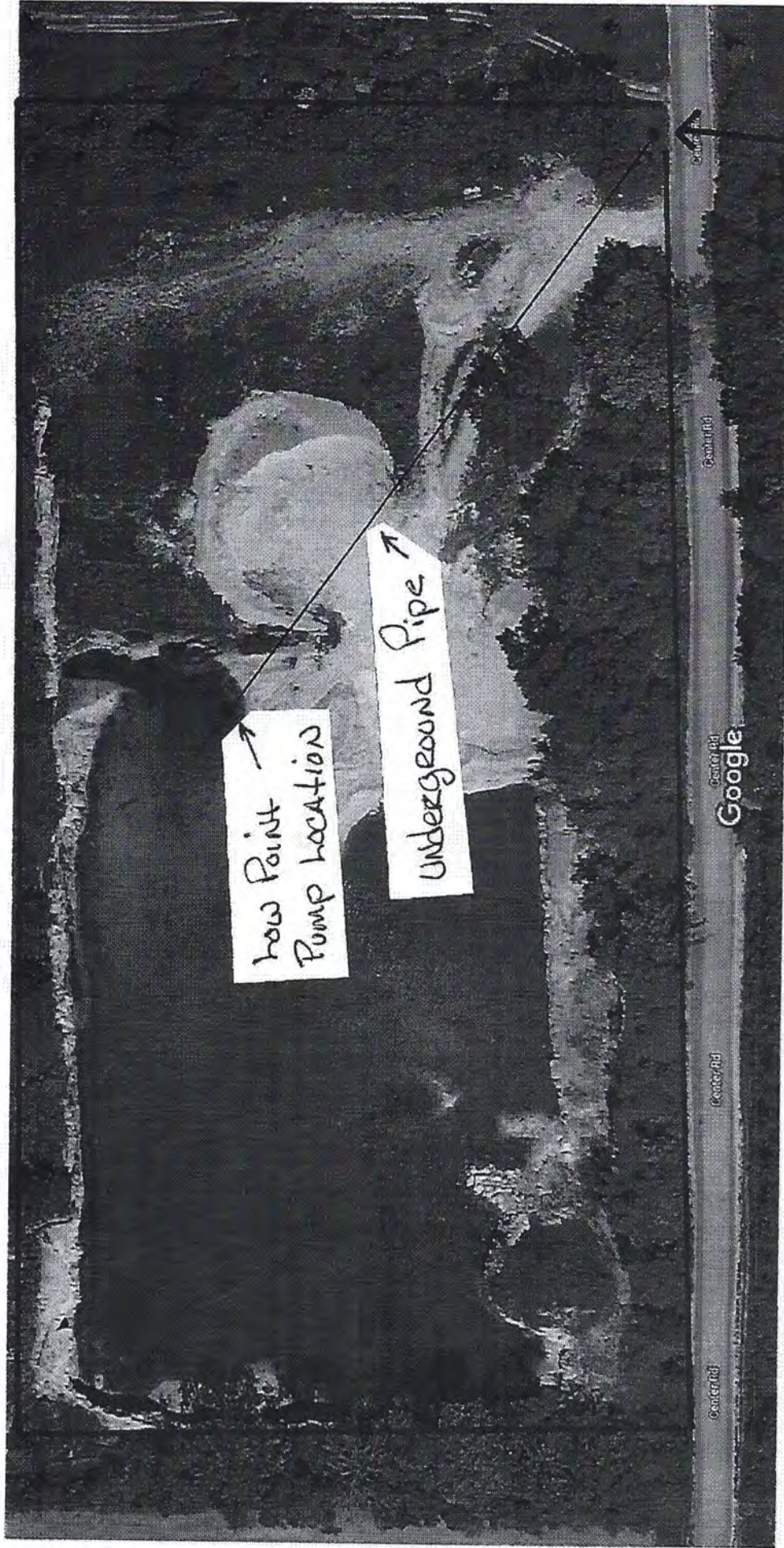
Employee training is a major component in ensuring the success of the facility SWPPP. The more knowledgeable all employees are about the facility's SWPPP and what is expected of them, the greater the chance that the plan will be successful.

The following is a description of the employee training programs to be implemented to inform appropriate personnel at all levels of responsibility of the components and goals of the SWPPP. (Examples: good housekeeping practices, spill prevention and response procedures, waste minimization practices, informing customers of facility policies, etc.)

Topic	Employees Included	Frequency
N/A		

Nelson Pt 437 Center Rd. Oregon, Wi.

Google Maps Oregon



Imagery ©2018 Google, Map data ©2018 Google 50 ft

Discharge Point
INTO Ditch

- Annual Facility Site Compliance Inspection Report
- Stormwater Pollution Prevention Plan Summary

I. CERTIFICATION OF THE SWPPP

"I certify under penalty of law that the Storm Water Pollution Prevention Plan (SWPPP) required by WPDES General Permit No. WI-0046515-4 has been completed and retained on site at the facility, at the company headquarters, or any other location approved by the Department. The SWPPP and attachments were completed under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information contained in the plan. Based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information; the information contained in the SWPPP is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for providing false information, including the possibility of fine and imprisonment. In addition, I certify under penalty of law that, based upon inquiry of persons directly under my supervision, to the best of my knowledge and belief, the SWPPP adheres to the storm water control provisions of WPDES General Permit No. WI-0046515-4 for the development and implementation of a Storm Water Pollution Prevention Plan and that the plan will be complied with."



 Signature of Plan Preparer

Kevin W. Hahn

 Printed Name

N/A

 Signature of Authorized Representative

N/A

 Printed Name

15 April 18

 Date

Owner/Managing Member

 Title

 Date

 Title

Name of Business Nelson Excavating and Son

Address 439 Center Road Oregon WI 53575

Facility Phone (608) 333 - 5607

Types of Work or Hazardous Substances Used Fuel and Oils

This spill plan is designed to handle the requirements for this system and associated hazardous substances. Update the spill plan if the hazardous substance inventory changes.

Spill Prevention

The following are general requirements for any hazardous substances stored or used at this facility.

General Requirements

- Ensure all hazardous substances are properly labeled.
- Store, dispense, and/or use hazardous substances in a way that prevents releases.
- Provide secondary containment when storing hazardous substances in bulk quantities (~55 g).
- Maintain good housekeeping practices for all chemical materials at the facility.
- Routine/Daily checks in the hazardous substance storage area to be performed by
- Monthly inspections of the hazardous substance storage area, secondary containment, and annular space (interior cavity of double wall tank) on any Above-ground Storage Tanks (AST) or Underground Storage Tanks (UST) need to be logged in this plan. See Appendix A - Inspection Log.

Facility Specific Requirements

- check fuel tanks and hoses for any leaks
- check machinery for any leaks

Spill Containment

The general spill response procedure at this facility is to stop the source of the spill, contain any spilled material and clean up the spill in a timely manner to prevent accidental injury or other damage. Small spills will be contained by site personnel if they are able to do so without risking injury. Spill kits are located at the following location(s). See attached site map:

Located in gen set semi trailer and scale house

Personnel will properly characterize spill cleanup materials before disposal.

- Immediately call **911** in the event of injury, fire or potential fire, or spill of a hazardous substance that gives rise to an emergency situation.
- If a spill has occurred, contact the following persons immediately:

Kevin Hahn	(Primary)	() <u>333</u> - <u>5607</u>
Devin Hahn	(Secondary)	() <u>333</u> - <u>2387</u>
911	(After Hours Emergency Contact)	() <u> </u> - <u>911</u>
- **In the event of a large spill, a properly trained employee should:**
 - Assess the area for any immediate dangers to health or safety (i.e. a wrecked car on fire). If any dangers are present, move away from the area, **call 911**.
 - Notify the primary and/or secondary contact from the list above and then continue your spill response. The primary contact should assess additional notification requirements (i.e. notify City of Tacoma, Ecology, etc. see Spill Reporting below).
 - Retrieve the spill kit from the closest location.
 - Assess the size of the leak and any immediate threat of the spill reaching the floor/storm drains or permeable surfaces in the area. If there is an immediate threat and there are no safety concerns, attempt to block the spill from coming in contact with the floor/storm drain or permeable surface. If no drain covers are available, try to use absorbent (cat litter) or sock booms or rags to stop the spill from getting into the drains or to any permeable surfaces.
 - If the spill can be contained with absorbent booms, deploy them around the spill. Use the booms to direct the spill away from any immediate hazards (i.e. a wrecked car).
 - If there is no immediate threat to the floor/storm drains or permeable surfaces, or after controlling the spill, try to plug or stop the leak, if possible. If applicable, put on protective gear (gloves, goggles, protective clothing, etc.) and plug the leak.
 - Once the spill has been contained and any immediate threat to storm drains or permeable surfaces has been minimized, contact the spill cleanup contractor and dispatch them to clean up the spill or commence spill cleanup procedures.

Plan Management

The primary contact or designee shall administer this plan and will be responsible for updating and including any required documentation.

Training

All personnel who may respond to any spill, need to be trained on the contents and procedures in this plan. Trained personnel will add their names and dates of training to the Training Log (see Appendix D). Only persons trained on this plan shall respond to a spill. If you are not trained and witness a spill, call or notify the primary and secondary contacts listed on Page 2 of this plan.

Spill Tracking

Any spills must be entered into the Spill Log (see Appendix C). If a large catastrophic spill occurs, attach additional pages to describe the event. Include known or possible causes, areas affected, and effectiveness of the cleanup. Include a review of the cleanup contractor and their procedures. For small spills, it is sufficient to fill out the Spill Log, and to take measures to prevent a repeat occurrence.

Facility Inspections

Routine inspections will be conducted daily during regular business hours. Daily inspections will include, at a minimum, a visual inspection of the hazardous substances containers and the area immediately adjacent to it for signs of a spill or leak. These inspections do not need to be logged unless a spill or leak is detected. Ideally, these inspections will be conducted by a manager or by regular employees.

Full site inspections will be conducted monthly by the primary contact or designee and, at a minimum, will include those items on the inspection form in Appendix B. If any item on the inspection form is found unacceptable, the inspection form will be attached to this plan. If all items are deemed acceptable; it is

Appendix B Inspection Form

Acceptable

Unacceptable

Lids and Labels?

Have all lids and caps been returned to their proper place?
Do all the containers still have labels?

Evidence of Spills?

Is there any indication that a spill might have occurred? If so, was the spill properly cleaned up? Was there any spill kit materials used? Was the Spill Log filled out for that incident? Any housekeeping issues?

For Tanks with alarm systems only Any Alarms or Sensor issues?

Have there been any alarm conditions in the past month? If alarms have occurred, has the monitoring system been serviced by the manufacturer or an authorized service company? Is the system up and working at this time? Is the sensor working? Did you conduct a test of the alarm and the sensor? When was the last time the sensor was serviced?

New Hazardous Substances?

Have any new chemical products been purchased? Do you have the MSDS for new products? Have you assessed how to store and handle this new product safely? Have you added the new hazardous substance to the inventory sheet in this plan? Is the container properly labeled?

Spill Kit Complete?

Have any items been used from the spill kit? If items are missing, is there an associated entry in the Spill Log? Are there any items missing that are currently on order? Is the spill kit stored where it is supposed to be stored? Is there a sufficient supply of daily cleanup materials?

Storm Drains?

Is there a buildup of sediment in the drain traps? Is there any evidence of drain clogging? Are the drain filters still intact? Any need replacing? Have they been replaced?

Items Fixed?

Have all deficiencies previously noted been fixed or made acceptable?

List any issues, deficiencies, or failures in detail:

Appendix C – Spill Log

Date of Spill	Location of Spill	Size of Spill (~ gal)	Prevention Measures Taken?	Spill Kit Materials Reordered?	Was the Spill Kit Adequate? (List any deficiencies, i.e. missing equipment, etc.)

APPENDIX F

AGGREGATE PROCESSING AND CONSTRUCTION EQUIPMENT

Aggregate Processing and Construction Equipment

Example aggregate processing and construction equipment includes:

Site Development Equipment

Excavator
Bulldozer
Scraper
Backhoe
Haul truck

Processing and Material Transport Equipment

Crushing units (primary, secondary, tertiary)
Screening units
Conveyors/stackers
Front end loader
Skidsteer
Service truck(s)
Multi-axle dump truck
Scale
Generator
Water Pump

Environmental Control Equipment

Tractor & Seed Spreader
Roller

APPENDIX G

EMISSION CONTROL PLAN

Emission Control Plan For Nonmetallic Mineral Processing

INTRODUCTION

Nelson Excavating and Son LLC realizes the need for a comprehensive and consistent company policy that outlines control measures, activities, and management options that contribute to a reduction in fugitive emissions from crushing, processing, and transporting of aggregates at nonmetallic mineral locations. This plan specifies potential fugitive emissions sources, appropriate control options, and operator responsibilities for maintaining compliance.

I. POTENTIAL FUGITIVE EMISSION SOURCES

- a. Transport of Material from Working Face to the Crusher
- b. Crushing Operations
- c. Screening Operations
- d. Conveying of Aggregate Products
- e. Stockpiling and Stockpile Maintenance
- f. Truck Transport of Final Products
- g. Total Facility

2. FUGITIVE EMISSIONS CONTROL OPTIONS

- a. Water Spray Applications
- b. Shrouding
- c. Chemical Dust Suppressants Applications
- d. Drop Height Management
- e. Site Traffic Speed Control
- f. Timing Management
- g. Climatic Influence
- h. Paving / Sweeping

3. RESPONSIBILITIES

- a. Maintain Control Equipment in Operable Condition
- b. Evaluate Fugitive Emission and Need for Control Application
- c. Maintain Access to Water sources and Needed
- d. Enforce Speed Limits on Process Vehicular Traffic
- e. Utilize Management Options

4. POTENTIAL FUGITIVE EMISSIONS SOURCES AND MANAGEMENT CONTROLS

- a. Transport of Material from the Working Face to the Primary Crusher - Loader traffic from the primary crusher to the working face may create excess fines in the tire lanes when surface moisture conditions are dry. Loader operators should scrape and replace traffic lane aggregates when necessary to reduce surface fines. Water captured in the loader bucket may additionally be used to maintain control of fugitive emissions.
- b. Crushing Operations – Each reduction phase of the crushing process has the potential to generate fugitive emissions. Primary crushing typically generates the least emissions, while each successive reduction has a greater potential for release. Each facility or crushing spread has spray equipment on site, including pumps, hose, spray nozzles, and spare parts. Spray nozzle location and water application rate is determined by the operator to provide maximum control under situational circumstances. The nozzle or nozzles may be located in one crusher or all crushers at the facility, depending on the level of needed control.
- c. Screening Operations – Screening operations may generate fugitive emissions and are particularly susceptible to wind and low moisture conditions. The initial screen may have adequate material moisture for good emissions control in most circumstances, but as with the reduction phase, each successive screening operation has an increased potential for emissions, with decreased material moisture content and increased fines. Water addition during crushing typically exhibits the best control for screening operations. When water applications are ineffective, shrouding may be added to the screen units to minimize wind influence on the screen face.
- d. Conveying of Aggregate Materials – Conveying during the processing of aggregates exhibits the least potential for fugitive emissions of all the processes at a facility. The drop distance or transfer points between processes and conveyors provide the most opportunity for emissions, but are typically the easiest to control. Wind and /or low moisture conditions may be abated by water application, shrouding of the transfer point, enclosure hoods, and boots, and minimizing the drop height between transfer points. For

normal operations, applications of a single management tool may be very effective in controlling emissions. Extreme conditions of wind and low aggregate moisture may necessitate the use of two or more of the available control options to provide adequate emissions control.

- e. Stockpiling and Stockpile Maintenance – Stockpiling operations at crushing facilities consist of placing aggregates in storage piles with stackers. Stackers are typically adjustable, so drop height to the pile can be controlled as with other conveyors. Product transfer exhibits the greatest amount of fugitive emissions. To minimize emissions, travel roads may be sprayed with water or a chemical dust suppressant for longer lasting control. Scraping and application of new aggregate can also be effective in controlling fugitive emissions from this area of the operation.

Fugitive emissions from stockpiles are highly dependent on aggregate gradation, weather, location, stockpile age, and amount of loading face activity. Aged stockpiles generally exhibit lower fugitive emissions than fresh crush aggregate materials. In areas where one or more of the listed influences are responsible for emissions above acceptable levels, water applications to the stockpile exterior can provide adequate control. Intermittent applications may be necessary when emission conditions are persistent. Orienting the working face to avoid crosswinds can also be an effective management tool for lowering emissions.

- f. Truck Transport of Final Materials – Truck traffic in the area of crushing operations has the potential to generate excessive surface fines on haul roads. While climatic and situational circumstances can contribute to effective controls on a short-term basis, other more intensive and continuous practices are usually required to maintain control of fugitives from this source. Paving, sweeping, watering, chemical application, and speed controls are the most effective options for controlling fugitive emissions from truck traffic. Any one or more of these management options may be incorporated into routine operations to provide continuous benefit.
- g. Total Facility - Minimizing the emissions from fugitive sources at a crushing and processing facility requires a commitment of resources from top-level management, knowledge of potential contributing factors on the part of operations level personnel, and a common-sense application of available management options to provide significant control of fugitive emissions from crushing operations. The crushing operations foreman is trained to recognize state and federal opacity limits for various processes, continually evaluate operating conditions and resulting opacities, and apply appropriate controls to provide compliant operation.

5. FUGITIVE EMISSIONS CONTROL OPTIONS

- a. Water Spray Applications – Water may be added directly to aggregate product with spray nozzles at any phase of the production cycle. Each facility is equipped with adequate equipment to make multiple-point applications of water if needed. The person responsible for plant operations decides where application affords the best control efficiency for current conditions. In addition to material control, the plant foreman is responsible for water application to site roads and stockpiles as necessary to maintain acceptable limits.
- b. Shrouding – Shrouds may be constructed and maintained on any process equipment to minimize emissions. Shrouds used for this purpose must meet MSHA safety standards.
- c. Chemical Dust Suppressant Applications – For climatic conditions where natural moisture is deficient and traffic volume is a contributing emissions source, the application of persistent controls such as calcium chloride or forest product resins may be necessary to provide longer lasting effective control. Applications may be supplemented with truck-applied water as needed.
- d. Drop Height Management – The facility foreman is responsible for minimizing drop height at all material transfer points, including stacker and loading operations.
- e. Site Traffic Speed Control - Facility foreman or company responsible official enforces appropriate speed limit in the production area. Speed limit determination is influenced by site-specific conditions and may be lowered at the foremen's discretion, to provide greater control influence.
- f. Timing Management – Company officials may schedule processing or blasting in a particular location to take advantage of optimum precipitation cycles, such as in the spring. While this option is variable, it can provide significant benefit in problematic geologic formations or urban locations.
- g. Paving /Sweeping – Haul and access roads at some locations receive heavy traffic volume and may generate road surface fines in unmanageable quantity. For these extreme conditions, paving with hot-mix asphalt, recycled asphalt pavement and/or sweeping may be helpful in reducing emissions on an ongoing basis. More intensive management practices such as these are normally supplemented with water spray or chemical suppressants to provide maximum emissions reduction.

APPENDIX H

DANE COUNTY STANDARDS AND SIMPLIFIED RESPONSES

Dane County Standards for Conditional Use Permits

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.

Extraction will continue to operate intermittently as it has in the past to fulfill local demand for construction aggregate products as it has in the past. Safety precautions, including a 4' high fence and locking gate around the perimeter of the quarry, will be maintained. In addition, operational and engineering controls have been developed as part of the conditional use permit application process. These include detailed plans for safety, aesthetics, noise abatement, emission control, blasting, storm water pollution prevention, reclamation, and the control of noxious weeds. In addition, the site will be operated in compliance with all Federal MSHA, State of Wisconsin, Dane County, and Town Rutland requirements.

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.

The existing quarry has been in operation since 1950 to supply local demand for stone products; continued operation of the quarry will not devalue or interfere with the enjoyment of the surrounding properties. The existing quarry is surrounded by agricultural land, and obstructed from view on all four sides. The site will continue to be accessed from the entrance drive on Center Road. Unless there is a local delivery, no traffic will be routed onto Old Stage Road.

Portable equipment will be used as needed to drill, blast, crush and stockpile material. Best management practices outlined in the operation plan for the site will be used to reduce noise and control dust.

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

According to the Town of Rutland Comprehensive Plan (March 6, 2007), preserving the rural character of the area is a priority. The site is located in a rural area. Operations will occur incrementally to preserve farmland. When the mineral resources at the site have been depleted, the site will be reclaimed to a freshwater lake surrounded by farm fields as outlined in an approved reclamation plan for the site.

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

The operation plan for the site identifies access roads and drainage for the site. The site will be accessed from the existing (north) quarry entrance on Center Road. An additional entrance will be created to access the expansion property to the south. The driveways will be will be protected with recycled asphalt, with seeding and erosion control along the side slopes. Operations will comply with permits issued by Wisconsin DNR and Dane County for erosion control and storm water pollution prevention.

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.

The quarry will be serviced by the existing north driveway on Center Road. Traffic on this section is light and offers easy access to US 14. The existing driveway has adequate room to facilitate turning into and out of the property. A stop sign will be erected to signal exiting trucks to stop prior to turning onto Center Road.

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

The existing quarry and proposed expansion is located in FP-35 (General Farmland Preservation) Zoning District. Nonmetallic mineral extraction is permitted in areas designated FP-35 through the issuance of a Dane County conditional use permit (CUP). Kevin Hahn will operate the quarry in compliance with the CUP, as well as all Federal MSHA, State of Wisconsin, Dane County, and Town of Rutland requirements.

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

The Town of Rutland has established Agricultural Preservation Districts as a means of preserving agricultural lands and rural character. The operation of the quarry is consistent with the adopted Town of Rutland Comprehensive (2007), and Dane County Zoning, FP-35 (General Farmland Preservation) which seeks to limit the density of residential development.

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):

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

Farmland Preservation Districts helps local government preserve farmland and minimize land use conflicts. The operation of the existing quarry is compatible with these purposes. Areas not used directly for quarrying activities will be maintained for agricultural production.

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

Aggregates can only be extracted where they occur in nature close to the surface, and the raw materials for aggregate production are not located in all areas. The aggregates at the site are accessible, and tested to meet State specifications for quality. Quarry operation is compatible with agricultural operations for many reasons; both:

- are reliant upon the geology and quality of native earth materials,
- are seasonal in nature,
- involve harvesting of resources using heavy equipment,
- are better suited to areas of low population, and
- require safe and efficient transportation access to ensure products make it to their market.

Given these reasons, extraction is both reasonable and appropriate for this location.

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

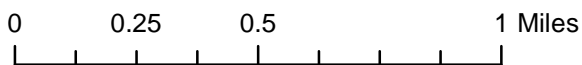
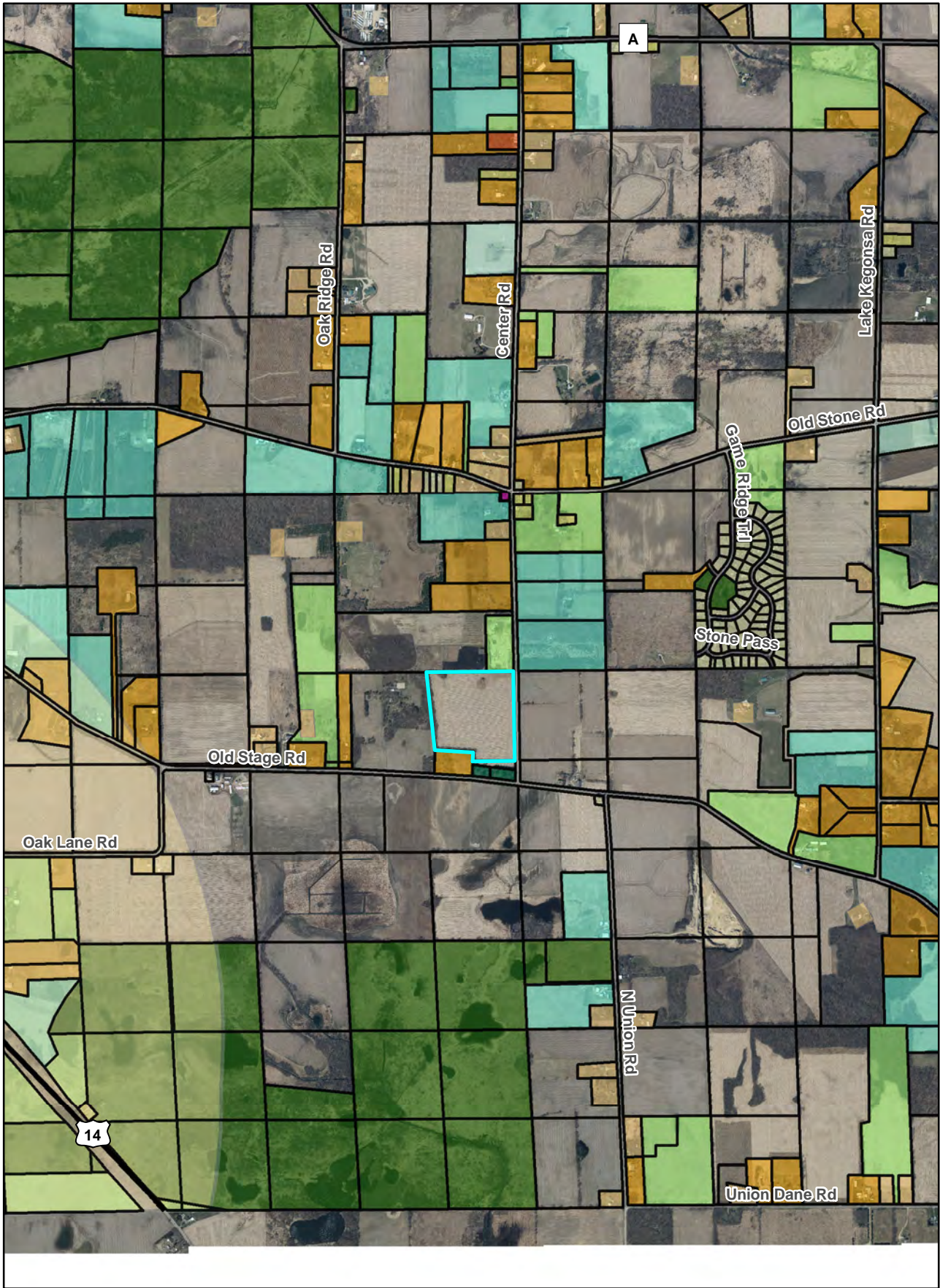
The site will be developed incrementally to preserve farmland as described in the operation plan for the site.

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

The site will continue to be utilized for agricultural production. After the resource is depleted, areas along the perimeter of the excavation will be returned to farmland.

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

Construction damage to land remaining in agricultural production will be minimized by the utilization of dedicated haul routes onto and through the property. Trucks and excavation equipment will not be allowed onto agricultural fields outside the CUP boundary.



Neighborhood Plan