

# Dane County Conditional Use Permit Application

<b>Application Date</b>	<b>C.U.P Number</b>
12/28/2022	DCPCUP-2022-02584
<b>Public Hearing Date</b>	
03/28/2023	

OWNER INFORMATION	AGENT INFORMATION
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OWNER NAME JOSEPH AND DIANE RIPP	Phone with Area Code (608) 513-7810	AGENT NAME TRI COUNTY PAVING, INC.	Phone with Area Code (608) 846-4657
BILLING ADDRESS (Number, Street) 6756 OLD 113 RD		ADDRESS (Number, Street) 7579 MEIXNER ROAD	
(City, State, Zip) DANE, WI 53529		(City, State, Zip) DeForest, WI 53532	
E-MAIL ADDRESS dmripp@chorus.net		E-MAIL ADDRESS dgradel@tricitypaving.com	

ADDRESS/LOCATION 1	ADDRESS/LOCATION 2	ADDRESS/LOCATION 3
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ADDRESS OR LOCATION OF CUP	ADDRESS OR LOCATION OF CUP	ADDRESS OR LOCATION OF CUP
South of 7839 Bonetti Road		-
TOWNSHIP DANE	SECTION 1	TOWNSHIP
		SECTION
PARCEL NUMBERS INVOLVED	PARCEL NUMBERS INVOLVED	PARCEL NUMBERS INVOLVED
0908-014-8000-4	---	0908-014-9501-6

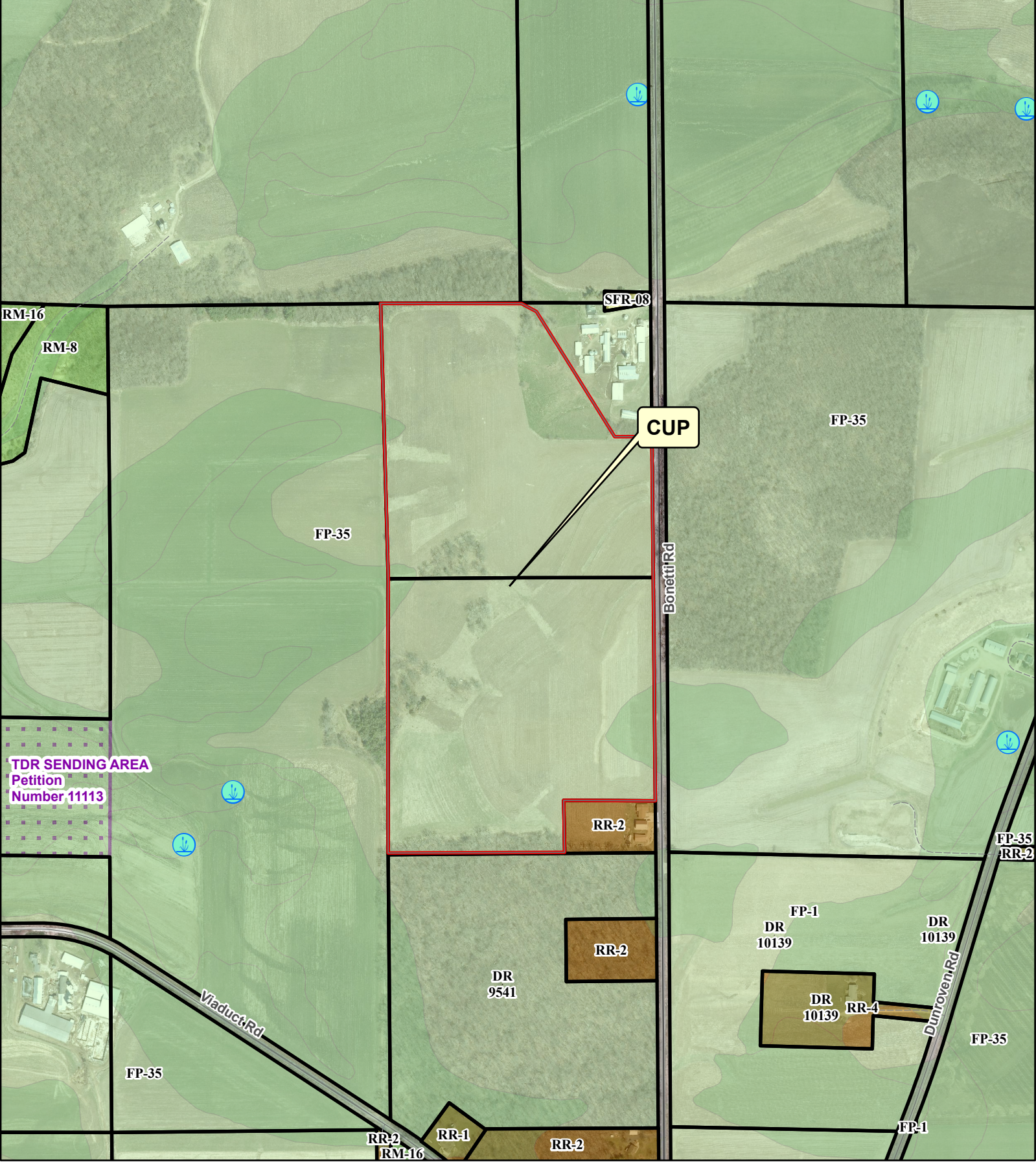
CUP DESCRIPTION
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Non-metallic mineral extraction operation, temporary concrete batch plant, and temporary asphalt plant

DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
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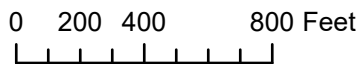
10.103(15) & (20)	47.68
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<b>DEED RESTRICTION REQUIRED?</b>	Inspectors Initials	<b>SIGNATURE:(Owner or Agent)</b>
<input type="checkbox"/> Yes <input type="checkbox"/> No  Applicant Initials _____	RWL1	<b>PRINT NAME:</b>
		<b>DATE:</b>



**Legend**

- Floodplain
- Wetland
- Significant Soils
- Class
- Class 1
- Class 2
- 6 in Color Orthophoto (2022) RGB
- Red: Red



**CUP 2584**  
**JOSEPH AND DIANE**  
**RIPP**

# J & D QUARRY

Conditional Use Permit Application

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**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)
<b>PERMIT FEES DOUBLE FOR VIOLATIONS OR WHEN WORK HAS STARTED PRIOR TO ISSUANCE OF PERMIT</b>	

## CONDITIONAL USE PERMIT APPLICATION

APPLICANT INFORMATION			
Property Owner Name:	Joseph & Diane Ripp	Agent Name:	Tri County Paving Inc.
Address (Number & Street):	6756 Old 113 Rd.	Address (Number & Street):	7579 Meixner Rd.
Address (City, State, Zip):	Dane WI. 5329	Address (City, State, Zip):	DeForest WI. 53532
Email Address:	dmripp@chorus.net	Email Address:	dgradeldj@tricitypaving.com
Phone#:	608-513-7810	Phone#:	608-846-4657

### SITE INFORMATION

Township:	Dane	Parcel Number(s):	090801480004, 090801495016
Section:	01	Property Address or Location:	just south of 7839 Bonetti Rd. Dane WI. 53529
Existing Zoning:	FP-35	Proposed Zoning:	CUP Code Section(s): 10.103(15) and 10.103(20)

### DESCRIPTION OF PROPOSED CONDITIONAL USE

<b>Type of conditional use permit</b> (for example: limited family business, animal boarding, mineral extraction, or any other listed conditional use): Mineral Extraction, temporary concrete batch plants, and temporary asphalt plants	<b>Is this application being submitted to correct a violation?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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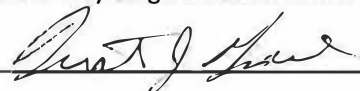
**Provide a short but detailed description of the proposed conditional use:**  
 This application to the Town of Dane and The County of Dane is a request for a Conditional Use Permit and Reclamation permit for a quarry operation for the purpose of extracting and processing of crushed stone material, also includes a temporary Asphalt and Concrete mix plant based on project/Market demand. The quarry operations will be located at the property of Joseph and Diane Ripp just south of 7839 Bonetti Rd. Dane WI. 53529. Tri County Paving Inc. is requesting to operate and conduct nonmetallic mineral extraction on the site. The site has approx: 75 years of reserves and will be used for various construction projects in and around Dane County area. We will sell to businesses and municipalities

### 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 ( <b>non-refundable</b> ), 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: 12-22-22

## **Eight Standards of a Conditional Use Permit**

**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.**

Berming; berms will be constructed as necessary and maintained to provide for visual and sound barriers to any adjoining residences. Dust Control; The entire access road will be paved with asphalt and watering will be done in the quarry as needed to control dust. Erosion Control and a storm water pollution prevention plan is in place. We will meet all MSHA requirements. We will meet all State Blasting regulations. The site will be secured by a fence along Bonetti Rd. and a locking gate at the driveway entrance into the quarry.

**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.**

Adjacent Property owners will feel little to no impact with the proposed mineral extraction. The mechanized equipment used is not louder than typical farm machinery. Berms will be constructed and maintained to provide for visual and sound barriers to other properties in the neighborhood. Tri County Paving Inc. will pave the entire access road and watering will be done in the quarry to control dust as needed. There are only 2 residences within 1500 Feet of the site (1 of the residence's is owned by the owner of the property) a total of 9 houses within a ½ mile of the operation. The town designates this area as an Agricultural Preservation Planning area which greatly limits additional housing in the surrounding area. Most of the surrounding area is used for agricultural production.

**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.**

The existing land is currently used for row crops. The proposed reclamation plan will show that most of the site will be placed back to row crops with more gradual contours. The orderly development of the area is geared toward agricultural production. Very little residential development is allowed on adjacent properties. Once the limestone is extracted, the area will be returned to agricultural production.

**4: That adequate utilities, access roads, drainage and other necessary site improvements have been or are being made.**

The proposed conditional use is located in an area that will be satisfactorily served by and will not impose undue burden on any improvements, facilities, utilities or services provided by the public agencies serving the subject property. We will be using a newly constructed shared farm field entrance for access to the proposed quarry. Bonetti Road is capable of handling truck traffic. We will bond the road with the Township as per requirements. The quarry will have a portable scale and portable scale house. We will also install a high-capacity well in the future. Storm water will be contained in the proposed quarry, we have included the Storm Water Pollution Prevention Plan.

**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.**

Bonetti Road is 1.5 miles long and is a low volume road mainly used as farm access road with very minimal number of residential homes. Approx: 3 south of proposed entrance and 1 north of proposed entrance. We will construct a wide entrance for trucks to enter the site safely. The entire entrance and roadway to the quarry floor will be paved with asphalt. There will be a security gate installed.

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

Tri County Paving Inc. will follow all regulations/ordinances laid out by the State of Wisconsin, County of Dane, and Town of Dane. The new quarry will be located in an FP-35 Zoning District. FP-35 Zoning Districts allow for quarry operations under a conditional use permit. Tri County Paving Inc. also acknowledges the special requirements for mineral extraction found under DCCO 10.103(15).

**7: The proposed conditional use is consistent with adopted Town and County Comprehensive Plans.**

The Town of Dane and County of Dane will find that the proposed use is consistent with agricultural use and pursuant to Sect. 91.75(5) of the Wisconsin Statutes: (a) that the limestone quarry is an activity that will not convert land that has been used for primarily for agricultural purposes; (b) is not an activity which will conflict with agricultural operations subject to farmland preservation agreement of the subject property; and (d) is not an activity which will conflict with agricultural operations on other properties. The Town of Dane's Comprehensive Plan page 34 Item 5. States such uses are appropriate in the Agricultural Preservation Areas.

**8: If located in the Farmland Preservation (FP) area, the conditional use meets the necessary findings to be located in the district as per Dane County Code of Ordinances Section 10.220(1)**

- 1. The use and its location in the Farmland Preservation Zoning District are consistent with the purposes of the district.**

All measures will be made for as much land to be row cropped as possible, the reclamation of the quarry will create more gradual elevation contours that are more conducive for row cropping.

- 2. The use and its location in the Farmland Preservation Zoning district are reasonable and appropriate, considering alternative locations, or specifically approved under state or federal law.**

Non-Metallic Mining is allowable under Farmland Preservation, the quarry will be located in a rural area with very few homes adjacent to the property or even in the vicinity.

- 3. The use is reasonably designed to minimize the conversion of land, at and around the site of the use, for agricultural use or open space use.**

Tri County Paving Inc. will operate and maintain the quarry in order to allow row cropping to continue as material is extracted.

- 4. The use does not substantially impair or limit the current or future agricultural use of surrounding parcels of land that are zoned for or legally restricted to agricultural use.**

As Material is extracted and space allows Tri County Paving Inc. will begin reclamation to reestablish row crop farming as soon as possible.

- 5. Construction damage to land remaining in agricultural use is minimized and repaired, to the extent feasible.**

All measures will be made for as much land to be row cropped as possible. The reclamation of the quarry will create more gradual contours that are conducive to row cropping and help minimize erosion.



## BUSINESS PURPOSE AND PLANNED ACTIVITY

This application to the Town of Dane and County of Dane is a request for a Conditional Use Permit and Reclamation permit for a quarry operation for the purpose of extracting and processing of crushed stone material by Tri County Paving Inc. The quarry operations will be located at the property of Joseph and Diane Ripp, just south of 7839 Bonetti Rd, Dane Wisconsin 53529. Tri County Paving Inc is requesting to operate and conduct nonmetallic mineral extraction on the site. The site has approx: 75 years of reserves and will be used for various construction projects in and around the Dane County area. We would use the material at our existing Asphalt Plant and sell the material to local residences, businesses, and government agencies. Includes Temporary Asphalt and Concrete mix plant, based on project/market demand.

## Conditional Use Permit - Mineral Extraction Application Checklist

Applicant			Zoning
<b>Plan Requirement</b>	✓	<b>Location in plan - page #</b>	✓
1. <b>Legal description</b> - CSM and/or exact metes & bounds. Size of area requesting - acreage Parcel number(s)	✓	Page 17	
2. <b>Written statement that includes the following:</b>			
General description of the operation.	✓	Page 5 Para 3	
Existing uses of the land.	✓	Page 5 Para 4	
Existing natural features including depth to groundwater.	✓	Page 6 Para 6	
Types and quantities of materials that will be extracted.	✓	Page 6 Para 5	
Proposed dates to begin extraction, end extraction and complete reclamation.	✓	Page 6 Para 7	
Proposed hours and days of operation.	✓	Page 6 Para 8	
Geologic composition and depth to the mineral deposit.	✓	Page 6 Para 9	
Identify all major proposed haul routes to the nearest Class A highway or truck route. Indicate traffic flow patterns.	✓	Page 6 Para 10	
Proposed phasing plan (recommended for larger sites)	✓	Shown on Vierbicher Plans	
Types, quantities and frequency of use of equipment to extract, process and haul.	✓	Page 7 Para 12	
Frequency of blasting, drilling, mining, crushing, screening, washing, refueling.	✓	Page 7 Para 13	
Bulk fuel storage.	✓	Page 7 Para 13	
Asphalt batching or concrete mixing.	✓	Page 7 Para 13	
Proposed storage of recycled materials.	✓	Page 7 Para 14	
Does extraction occur below the water table / protection of groundwater.	✓	Page 7 Para 15	
Permanent or temporary structures.	✓	Page 7 Para 16	
Spill prevention and or dust control.	✓	Page 8 Para 17	
Proposed use after final reclamation as consistent with Ch. 74. Separate checklist for reclamation permit.	✓	Page 8 Para 20	

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

APPLICATION FOR CONDITIONAL USE PERMIT BY TRI COUNTY PAVING INC. FOR NON METALIC MINING ON PROPERTY OWNED BY Joseph and Diane Ripp, Just south of 7839 BONETTI ROAD, DANE, WISCONSIN 53529, TOWN OF DANE, DANE COUNTY, WISCONSIN.

1. **LEGAL DESCRIPTION:** Located on Page 19<sup>17</sup>
2. **TAX PARCEL NUMBER:** Located on Page 19<sup>17</sup>
3. **DESCRIPTION OF OPERATIONS:** The proposed quarry will be used to produce aggregate mineral products for various purposes, including, but not limited to, construction of buildings and roads. The quarry operations will consist of: (a) removing topsoil and overburden to form berms at the perimeter of the quarry for the purpose of noise reduction, landscaping and reclamation, (b) blasting to loosen rock from the quarry wall, (c) crushing of the rock into appropriately sized material to meet government and private contractor specifications, (d) washing crushed rock to meet those same specifications, (e) stockpiling the crushed rock and other aggregate in accordance with appropriate size and physical characteristics, (f) selling and hauling the crushed rock and aggregate from the quarry site, and (g) related activities. Equipment to be used in the quarry operations include earthmovers, bulldozers, loaders, scrapers, trucks, rock drills, blasting equipment, conveyors, primary, secondary, and tertiary crushers, sizing and washing equipment, seismographic monitoring equipment: a platform scale and small portable office will be set for weighing the materials
4. **EXISTING USES OF THE LAND:** The existing use of the property is agricultural used for growing crops.

5. **TYPES AND QUANTITIES OF MATERIALS THAT WILL BE EXTRACTED:** Limestone is the major type of material. The limestone will be processed into different sized gravel. Tri County Paving Inc. has estimated there to be 9,000,000 tons to be processed.
  
6. **EXISTING NATURAL FEATURES INCLUDING DEPTH TO GROUNDWATER:** The existing natural feature of the land is a steep hill. The land is currently being used as cropland, with small area of trees. Groundwater is located at an elevation of 923' to 920' ASL.
  
7. **PROPOSED DATES TO BEGIN EXTRACTION, END EXTRACTION AND COMPLETE RECLAMATION:** Tri County Paving Inc. will begin extracting materials in 2023. We anticipate the materials will last till the year 2098 depending on the gravel market. Reclamation will be as soon as workable area permits and completed at the end of the quarry. We plan to put the area back to crop production as soon as possible.
  
8. **PROPOSED NUMBER OF EMPLOYEES, HOURS AND DAYS OF OPERATION:** Typically there will be 2-3 employees on site during crushing operations. During regular hours truck drivers will be in and out of the quarry. On busy days there will be a loader operator and a scale person who will be in the portable scale house weighing loads. Hours of operation will be Monday thru Friday 7:00 am to 6:00 pm. Saturdays 7:00 am to 4:00 pm.
  
9. **GEOLOGICAL COMPOSITION AND DEPTH TO THE MINERAL DEPOSIT:** Consist of approx: 12" of topsoil, 6-8 feet of clay and 45 - 85 feet of limestone. Sand stone is at the bottom of the lime stone Approx: 1015' ASL. Mineral extraction will stop at the beginning of the sandstone.
  
10. **WHERE MATERIAL WILL BE HAULED AND OVER WHAT ROUTES:** All material will be hauled from the Quarry south on Bonetti Rd to Viaduct Rd East to Dunroven Rd South to County Rd. DM.

11. **PROPOSED PHASING:** 2 phases are anticipated, and reclamation will begin as soon as enough space is available. Shown on Plans
  
12. **TYPES, QUANTITIES AND FREQUENCY OF USE OF EQUIPMENT TO EXTRACT, PROCESS AND HAUL:** Equipment used at site: Drills, Loaders, dozers, Haul trucks, Scrapers, Crushing Equipment, Dump Trucks. We anticipate +/- 60,000 ton of processed gravel to be extracted per year. The total amount will depend on the construction market and need for gravel.
  
13. **FREQUENCY OF BLASTING, DRILLING, MINING, CRUSHING, SCREENING, WASHING, REFUELING, ASPHALT BATCHING OR CONCRETE MIXING WOULD BE PERFORMED ON SITE:** Typically drilling, blasting, crushing operations will occur 6-8 times per year depending on market demand for gravel. Screening and washing will be conducted following blasting and crushing operations. All blasting done on site will be conducted in accordance with all state and federal regulations. Blasting hours will only be between 8:00 am to 2:00 pm Monday thru Friday. All residents located within 500 feet of the blasting location shall have a pre-blast survey conducted to ascertain the status of such residences. Residences within 500' will be notified 24 hrs in advanced of a blast. All blasting shall be preceded by horn blast. All blasters conducting blasting and drilling on the site shall have the insurance required of the permit holder hereunder at the time of any blasting under this permit. Refueling will take place daily or as needed. There shall be no permanent bulk fuel stored on site. On occasion there may be an Asphalt Batch on site based on a project/market demand. On occasion there may be a concrete mixing plant on site based on project/market demand.
  
14. **PROPOSED STORAGE OF RECYCLED MATERIALS:** We do anticipate storage of Concrete and Asphalt recycled materials on site.
  
15. **DOES EXTRACTION OCCUR BELOW THE WATER TABLE:** The limestone is underlined with sandstone will not be disturbed. All operations will be conducted above the water-table and there will have no impact on underground water.
  
16. **PERMANENT OR TEMPORARY STRUCTURE:** There will be a portable scale and scale house on site and a high capacity well. No permanent structures are anticipated.

17. **SPILL PREVENTION AND OR DUST CONTROL:** Education of plant personnel in safe petroleum product handling, proper maintenance procedures, and routine inspections of the plant and machinery during and after operation. Tri County Paving Inc. has contracted with Shaper Excavating and Petroleum LLC. to handle all fuel spills and or removal of any contaminated soils. Good Housekeeping practices are stressed for control of minor drips and leaks from daily maintenance and operation. Dust control will start with asphalt paving from the entrance at Bonetti road to the bottom or beginning of the quarry. Dust control in the quarry will be controlled by spraying water from a water tank truck as needed throughout the day. All berms and landscaped areas will be seeded. Tracked material onto the asphalt roadway will be cleaned as needed. We will meet and exceed all Town and County requirements.

18. **LIGHTING** : Minimal lighting is needed, the crushing equipment will have lights on it for operation purposes. The lighting will be screened by berms, and lighting will be directed towards the ground.

19. **NOISE:** The use of berms will be used and maintained as necessary to provide for visual and sound barriers to other properties in the neighborhood. Our equipment has new technology with electric motors and noise reducing capabilities. Testing was done at our Hahn Road pit while crushing operations were taking place.

Tri County Paving's Crusher, Generator, and Screen sound levels Wind 2-4 mph.

Immediately adjacent to the crushing equipment while running 84 dBA.

100' away in quarry 79.5 dBA, 200' away in quarry 77.2 dBA, 300' away from edge of quarry behind berm. Crusher 500' away 53 dBA.

For comparison:      50-60 dBA      Electric Toothbrush

                                 50-89 dBA      Electric Shaver

                                 60-85 dBA      Vacuum Cleaner

20. **PROPOSED USE AFTER FINAL RECLAMATION AS CONSISTENT WITH CH. 74:** The proposed reclamation plan will show that the majority of the CUP site will return to row crop production some areas will be too steep for row cropping and will be restore with grass areas.

# Dane County

## Non-Metallic Mining Reclamation Permit Application

CHAPTER 74 Dane County Reclamation Ordinance

Zoning office use only

Permit #: \_\_\_\_\_

Date: \_\_\_\_\_

Landowner: Joseph and Diane Ripp  
 Address: 6756 Old 113 Rd.  
Dane WI, 53529  
 Phone: 608-513-7810  
 E-mail: dmripp@chorus.net

Agent: Tri County Paving Inc  
 Address: P.O. Box 394  
De Forest WI 53532  
 Phone: 608-846-4657  
 E-mail: dgradel@tricitypaving.com

Address of site: 7839 Bonetti Rd Dane WI "Just south of"

(may need to be assigned)

Township: Dane  
 Parcel #: 090801480004  
 Parcel #: 090801495016  
 Parcel #: \_\_\_\_\_  
 Parcel #: \_\_\_\_\_

Parcel #: \_\_\_\_\_  
 Parcel #: \_\_\_\_\_  
 Parcel #: \_\_\_\_\_  
 Parcel #: \_\_\_\_\_

Type of aggregate: Limestone

Total site acreage: 47.67

Plan review fees: \$1,100.00

(Less than one acre: NO FEE, 1 to 25 acres: \$875.00, 25 to 50 acres: \$1,100.00, More than 50 acres: \$1,300.00)

Non-conforming: Yes or  No

Conditional use permit #: \_\_\_\_\_  
 Effective Date: \_\_\_\_\_  
 Expiration Date: \_\_\_\_\_

Erosion control/Stormwater permit #: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

I hereby request on behalf of the applicant a non-metallic mining permit. I certify, as duly authorized representative or agent that the operator listed above will comply with the statewide non-metallic mining reclamation standards established in ss. NR 135.05 through NR 135.15, Wis. Adm. Code. The applicant agrees to provide to Dane County an annual fee as established by county ordinance and site access for county officials necessary to evaluate this application and ensure compliance with a permit. Also, financial assurance standards as established in Ch. 74.141 of Dane County Code of Ordinances.

Applicant signature: [Signature] Date: 11-17-20

If the person applying (submitting the application in-person, at the counter) is not the landowner, a notarized statement authorizing the applicant to act as the landowner's agent must be attached.

Permit received by: \_\_\_\_\_ Date: \_\_\_\_\_

Permit reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

**This application must be submitted in person M - F, 8 A.M. - 4 P.M.,  
 with two copies of all permit materials to:  
 Dane County Zoning, 210 Martin Luther King Jr. Blvd. Room 116, Madison, WI**

# Non-metallic Mining Reclamation Application Checklist

Applicant			Zoning	LCD
Plan Requirement	I	Location in Plan - page number	I	I
1. <b>Site information</b> - maps of the site including the general location, property boundaries, aerial extent, geologic composition and depth of the deposit, the distribution, thickness and type of soil, the approximate elevation of ground water, the location of surface waters and the existing drainage patterns.	✓	Page 9 Para 1 Vierbicher Plans		
2. <b>Biological resources</b> - plant communities and wildlife use at and adjacent to the site.	✓	Page 9 Para 2		
3. <b>Existing topography</b> - contour maps of the site at ten foot contour intervals.	✓	Vierbicher Plans		
4. <b>Location of manmade features</b> - on or near the site.	✓	Vierbicher Plans		
5. <b>Plan view</b> - (existing mines) showing the location and extent of land previously affected by non-metallic mining for existing sites.	✓	Not Applicable		
6. <b>Post-mining land use</b> - consistent with local land use plans/local zoning.	✓	Page 10 Para 7b		
7. <b>Under exclusive agricultural zoning?</b>	✓	Page 9 Para 6		
8. <b>Reclamation measures</b> - description of the proposed reclamation, including methods and procedures to be used and a proposed schedule for the completion of reclamation.	✓	Page 10 Para 7a → 7f		
9. <b>Proposed earthwork and reclamation</b> - final slope angles, high wall reduction, benching and terracing.	✓	Page 10 Para 7a Vierbicher Plans		
10. <b>Methods of topsoil</b> - topsoil substitute material removal and storage.	✓	Page 10 Para 7b		
11. <b>Anticipated topography of the reclaimed site.</b>	✓	Vierbicher Plans		
12. <b>Plan map that shows surface structures</b> - after the cessation of mining.	✓	Vierbicher Plans		
13. <b>Estimated cost of reclamation.</b>	✓	Page 11 Para 7g		
14. <b>Revegetation plan</b> - shall include timing and methods of seed bed preparation, rates and kinds of soil amendments, seed application timing, methods and rates, mulching and any other techniques needed to accomplish soil and slope stabilization.	✓	Page 12 Para 4		
15. <b>Standards for revegetation</b> - may be based on the percent of vegetative cover, productivity, plant density, diversity or other applicable measures.	✓	Page 12 Para 4		
16. <b>Erosion control and stormwater</b> - chapter 14 requirements.	✓	Pages 12+13 Vierbicher Plans		
17. <b>Description of interim reclamation.</b>	✓	Page 13 Para 2		
18. <b>Financial assurance</b> - \$1500/acre.	✓	Bonding Will be Provided		



## NON-METALLIC MINING RECLAMATION PLAN J & D QUARRY

1. **SITE INFORMATION:** Map of the site including the general location, property boundaries, aerial extent. (shown on Reclamation Plan) Geological composition Consists of 10" to 12" of topsoil, 6 to 8 feet of clay and 45-85 feet of Limestone. Sandstone is at the bottom of the lime stone. The ground water is 920 elevation in the Western end and 923 at the Eastern end of the property. The existing drainage pattern is shown on the topographic map provided, the majority of the water sheds to the west.
2. **BIOLOGICAL RESOURCES:** The adjacent properties consist of County roadways, agricultural land and single family homes. The surrounding lands are primarily agricultural. The terrain is rolling with wetlands to the north. These adjacent lands support native wild life such as coyotes, white tail deer, raccoons, fox, possums, skunks, various birds and other types of wild life commonly found in this part of Wisconsin. The native plant life in the minimal wooded area is typical of the woodland area of South Central Wisconsin. The surrounding agricultural fields are annually rotated between soybeans, wheat, corn, oats, and alfalfa.
3. **EXISTING TOPOGRAPHY:** Shown on Reclamation plan provided
4. **LOCATION OF MANMADE FEATURES:** The Owners, farm sheds and miscellaneous farm buildings.
5. **UNDER EXCLUSIVE AGRICULTURAL ZONING:** The property is located in the Farmland Preservation District.

6. **RECLAMATION MEASURES/EARTHWORK:** In order to comply with all mandates Tri County Paving Inc. is proposing the following reclamation measures:
- a) **Vertical Faces:** all vertical faces will be graded for a maximum of 3 to 1 slopes: wherever possible the slope angle will be decreased. While mining all high walls will be protected by berms so that motorized vehicles cannot go over. We will bench and terrace walls as much as possible.
  
  - b) **Grading/Topsoil:** All soils that are stripped will be stockpiled and the perimeter of the site and made into berms. When the area is worked out, these soils can then be used in the reclamation process. This process will take place as soon as the area and space become available. The soils will be spread at a minimum rate of 10" – 12" on the flat areas and 6-10" on the slopes, which is reflective of the current topsoil on the undisturbed areas of the site. Naturally, where more dirt is available it will be used on the level areas to promote agricultural land use. All stockpile soils will be seeded to prevent erosion. The post mining land use will fall under NR 135.19(3)(6) land used for non-metallic mineral extraction in areas zoned under exclusive agricultural use ordinance pursuant to S. 91.75 Stats., and shall be restored to agricultural use.
  
  - c) **SEEDING:** All slopes and non-farmable areas will be seeded at a rate of 7 pounds per 1000 sq.ft. of #20 Wisconsin DOT specification seed mixture within 7 days of completion of the grading operation. To optimize growth all planting will be conducted between May 15<sup>th</sup> in the spring and no later than September 15<sup>th</sup> in the Fall. Fertilizer shall be applied at a rate of 10 pounds per 1000 square ft. of 16-8-8 (NPK). The steeper slopes of the pit will be stabilized with seed and polymer treatment to prevent any erosion. As the long-range plan is to return this site to agriculture, the relatively flat or gentle sloping areas would be returned to row crops, such as corn, and soybeans or grass crops such as alfalfa. Therefore seeding the pit floor will be unnecessary except to allow for any waterways within the site.

- d) **DRAINAGE:** Currently the site drainage is to the natural drainage pattern. This pattern will be maintained. Final restoration will allow for surface water to be spread out over the entire area.
- e) **EROSION CONTROL:** During the mining operation and reclamation, disturbed areas will be closely monitored for potential erosion. The use of silt fencing, rip rap, hay bales and prompt seeding and mulching of the finished areas will minimize any erosion. All slopes will drain into the pit itself. Upon completion of restoration this site will be monitored to ensure that all erosion control measures are maintained and functioning as designed.
- f) **PROPOSED DATES TO BEGIN EXTRACTION, END EXTRACTION AND COMPLETE RECLAMATION:** Tri County Paving Inc. will begin extracting materials in 2023. We anticipate the materials will last till the year 2090 depending on the gravel market. Reclamation will be as soon as workable area permits and completed at the end of the quarry. We plan to put the area back to row crop production as soon as possible.
- g) **COST:** The cost incurred in this restoration plan is a \$ 3300.00 per acre to complete, Tri County Paving Inc. will do the majority of the work. In an ongoing operation concurrent with the mineral extraction process. This method allows for timely restoration at a lower cost per acre to complete.
- h) **FINANCIAL ASSURANCE:** Tri County Paving Inc. will provide bonding of \$ 1500.00 per acre.
- i) **CONCLUSION:** We feel that this plan is well designed and can be easily implemented while still meeting all requirements of the Town of Dane and Dane County.

## **EROSION CONTROL AND STORMWATER MANAGEMENT PLAN**

### **EROSION CONTROL MEASURES:**

**ENTRANCE:** The entrance to this site will be paved with asphalt from Bonetti Rd. to the bottom of the quarry, which will prevent tracking of material on the public roads. All slopes are seeded with grass to provide cover.

**BERMS:** The stripped soils will be separated in stockpiles, the overburden will be stripped and used as the base of the berm, the topsoil will be used to top dress the berms. The topsoil and the subsoil will be used in the final restoration.

**SILT FENCING:** Silt Fencing is used as necessary when soils are being stripped and stockpiled.

**REVEGETATION PLAN AND STANDARDS:** All berms and non-farmable areas will be seeded at a rate of 7 pounds per 1000 square ft. of #20 WISDOT specification seed mixture. Within 7 days of completion of the grading operations. To optimize growth all planting will be conducted between May 15<sup>th</sup> in the Spring and no later than September 15<sup>th</sup> in the fall. Fertilizer shall be applied at a rate of 10 pounds per 1000 square ft. of 16-8-8 (NPK). The steeper slopes of the pit will be stabilized with seed and polymer treatment to prevent erosion. As the long-range plan is to return this site to agricultural. We intend to restore 100 % of the mining area back to row crop farming. The berms will be stabilized with 90 pounds per 1000 sq.ft. (2.5 tons/sq.ft.) of mulch.

**MAINTENANCE:** The berms will be inspected and repaired according to needs of the site. The driveway will be maintained free of sediment or soil deposits.

**INTERIM RECLAMATION:** We will reclaim the proposed mine as we open areas we will use the stripping material from the new areas of the mine to reclaim previously mined areas.

**CRITERIA FOR SUCCESSFUL RECLAMATION:** Reclamation of the site will involve returning the land to usable farmland. Planning and Zoning Staff will be contacted to inspect the site when the site is ready to be returned to useable farmland.

## OPERATIONS PLAN

1. This application to the Town of Dane and County of Dane is a request for a Conditional Use Permit and Reclamation permit for a quarry operation for the purpose of extracting and processing of crushed stone material by Tri County Paving Inc. The quarry operations will be located at the property of Joseph and Diane Ripp just south of 7839 Bonetti Rd Dane, WI 53529. Tri County Paving Inc is requesting to operate and conduct nonmetallic mineral extraction on the site. The site has approx: 75 years of reserves and will be used for Tri County Paving's Asphalt plant and various construction projects in and around the Dane County area. We would sell the material to local residences, businesses, and government agencies. The project area is 77.4 acres and the extraction area is 47.6 acres.
2. Hours of operation will be Monday thru Friday 7:00 am to 6:00 pm. Saturdays 7:00 am to 4:00 pm.
3. Typically there will be 2-3 employees on site during crushing operations. During regular hours truck drivers will be in and out of the quarry. On busy days there will be a loader operator and a scale person who will be in the portable scale house weighing loads.
4. **SPILL PREVENTION AND OR DUST CONTROL:** Education of plant personnel in safe petroleum product handling, proper maintenance procedures, and routine inspections of the plant and machinery during and after operation. Tri County Paving Inc. Has contracted with Shaper Excavating and Petroleum LLC. to handle all fuel spills and or removal of any contaminated soils. Good Housekeeping practices are stressed for control of minor drips and leaks from daily maintenance and operation. Dust control will start with asphalt paving from the entrance at Bonetti road to the bottom or beginning of the quarry. Dust control in the quarry will be controlled by spraying water from a water tank truck as needed throughout the day. All berms and landscaped areas will be seeded. Tracked material onto the asphalt roadway will be cleaned as needed. We will meet and exceed all Town and County requirements

5. **Berming** ; berms will be constructed as necessary and maintained to provide for visual and sound barriers to any adjoining residences. Access ; we will construct an entrance onto Bonetti Rd. There are 4 residential homes along this section of road. Dust Control ; The entire access road will paved with asphalt and watering will be done in the quarry as needed to control dust. Erosion Control ; A storm water pollution prevention plan is in place. A fence will be installed along Bonetti Rd. and on the South end of the site as shown on plans. We will also install a locking gate at the driveway entrance into the quarry.
6. **LIGHTING** : Minimal lighting is needed, the crushing equipment will have lights on it for operation purposes. The lighting will be screened by berms, and lighting will be directed towards the ground.
7. **NOISE**: The use of berms will constructed and maintained to provide for visual and sound barriers to other properties in the neighborhood. Our equipment has new technology with electric motors and noise reducing capabilities. Back up alarms will be used during operations for safety.
8. **TYPES, QUANTITIES AND FREQUENCY OF USE OF EQUIPMENT TO EXTRACT, PROCESS AND HAUL:** Equipment used at site: Drills, Loaders, dozers, Haul trucks, Scrapers, Crushing Equipment, Dump Trucks. We anticipate +/- 60,000 ton of processed gravel to be extracted per year. The total amount will depend on the construction market and need for gravel.
9. **FREQUENCY OF BLASTING, DRILLING, MINING, CRUSHING, SCREENING, WASHING, REFUELING, ASPHALT BATCHING OR CONCRETE MIXING WOULD BE PERFORMED ON SITE:** Typically drilling, blasting, crushing operations will occur 6-8 times per year depending on market demand for gravel. Screening and washing will be conducted following blasting and crushing operations. All blasting done on site will be conducted in accordance with all state and federal regulations. Blasting hours will only be between 8:00 am to 2:00 pm Monday thru Friday. All residents located within 500 feet of the blasting location shall have a pre-blast survey conducted to ascertain the status of such residences. Residences within 500' will be notified 24 hrs in advanced of a blast. All blasting shall be preceded by horn blast.

All blasters conducting blasting and drilling on the site shall have the insurance required of the permit holder hereunder at the time of any blasting under this permit. Refueling will take place daily or as needed. There shall be no permanent bulk fuel stored on site. On occasion there may be a concrete and asphalt mixing plant on site based on project/market demand.

10. **WHERE MATERIAL WILL BE HAULED AND OVER WHAT ROUTES:** All material will be hauled accessing Bonetti Rd. heading south to Viaduct Road then East on to Dunroven Road head south to County Rd. DM.
11. A portable toilet will be onsite and maintained by a service company.
12. A trash barrel will be located next to the portable scale house. This will be disposed of as needed.
13. Erosion control and Storm water management plan is attached to this application
14. All row crop land surrounding the proposed quarry will drain away from the quarry, so no manure spread on the row crop land will drain into the proposed quarry.
15. Signs to be installed. "No Trespassing Danger Open Pit". "Important Notice MSHA sign". "Important Notice Hazard Training". "End Loader has right of way". "No engine braking in township". "Speed Limit" " Operated By Tri County Paving". "J & D Quarry"



## J&D Quarry Parcel

Part of the NE 1/4 of the SE 1/4 and part of the SE 1/4 of the SE 1/4 of Section 01, Town 09 North, Range 08 East, Town of Dane, Dane County, Wisconsin, being more particularly described as follows:

Commencing at the East Quarter Corner of Section 01;

thence along the north line of the Southeast Quarter of said Section 01, S89°38'34"W, 661.20 feet to the Point of Beginning;

thence S61°45'35"E, 86.73 feet;

thence S32°02'54"E, 711.38 feet;

thence S89°29'54"E, 179.50 feet to the west right-of-way of Bonetti Road;

thence along said west right-of-way of Bonetti Road, S00°26'35"W, 1754.05 feet to the north line of Lot 1, Dane County CSM #6202;

thence along said north line of Lot 1, Dane County CSM #6020, S89°46'58"W, 447.00 feet to the northwest corner thereof;

thence along west line of Lot 1, Dane County CSM #6020, S00°27'25"E, 250.00.00 feet to the southwest corner thereof and the south line of the Southeast Quarter of Section 01;

thence along said south line of the Southeast Quarter, S89°46'58"W, 849.37 feet to the southwest corner of the Southeast Quarter of the Southeast Quarter of Section 01;

thence along said west line of the Southeast Quarter of the Southeast Quarter, N00°24'21"E, 1322.82 feet to the southwest corner of the Northeast Quarter of the Southeast Quarter of Section 01;

thence along the west line of said Northeast Quarter of the Southeast Quarter, N00°24'21"E, 1324.64 feet to the northwest corner thereof;

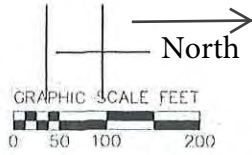
thence along the north line of said Northeast Quarter of the Southeast Quarter, N89°38'34"E, 628.69 feet to the Point of Beginning.

Total Parcel Area = 69.4 acres, more or less.

Active Quarry Area: Phase 1 = 26.92 Acres, Phase 2 = 20.76 Acres, Total = 47.68 Acres

Part of Dane County Parcel #'s

090801480004 and 090801495016



OWNER: DANIEL S BREUNIG  
 PARCEL NUMBER: 090812185110  
 ACRES: 39.2

OWNER: DANIEL S BREUNIG  
 PARCEL NUMBER: 090801490002  
 ACRES: 40.1

OWNER: DANIEL S BREUNIG  
 PARCEL NUMBER: 090801485009  
 ACRES: 40.0

OWNER: ROBERT H BENSON  
 PARCEL NUMBER: 090801190005  
 ACRES: 40.0

LIMITS OF QUARRY

PARCEL NUMBER: 090801495016  
 ACRES: 37.4

PARCEL NUMBER: 090801480004  
 ACRES: 39.9

OWNER: ROBERT H BENSON  
 PARCEL NUMBER: 090801195706  
 ACRES: 20.0

OWNER: FLOURISH LIKE ROOTS OF TREE LLC  
 PARCEL NUMBER: 090812180100  
 ACRES: 37.0

OWNER: TAYLOR LYVING TR  
 PARCEL NUMBER: 090801498406  
 ACRES: 2.8

PARCEL NUMBER: 090801195000  
 ACRES: 19.8

PARCEL NUMBER: 090801198507  
 ACRES: 0.3

R/W BONETTI ROAD

**J&D QUARRY - EXISTING CONDITIONS**  
 TOWN OF DANE, WISCONSIN  
 12/20/2022

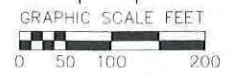
**vierbicher**  
 planners | engineers | advisors



Phone: (800) 261-3898

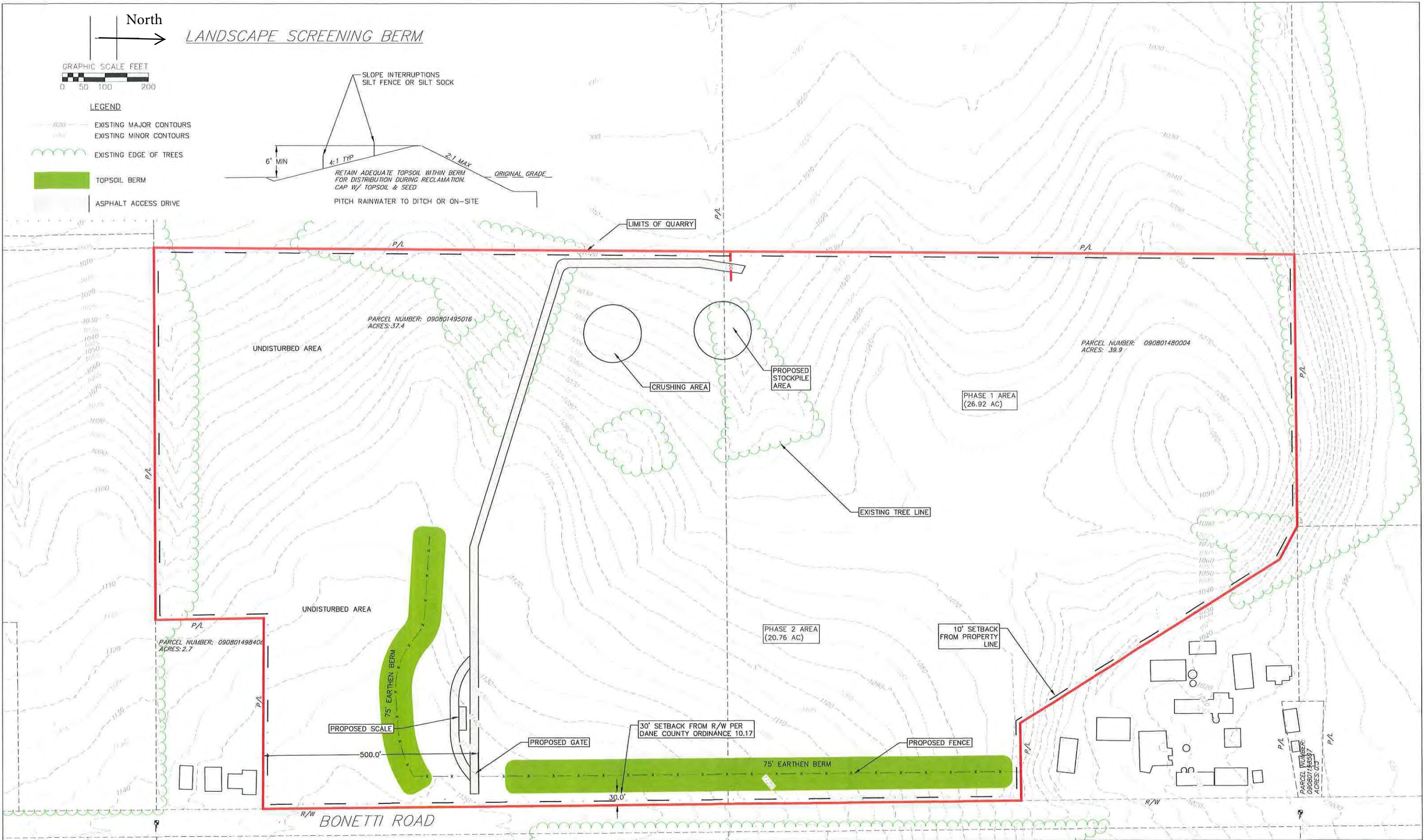
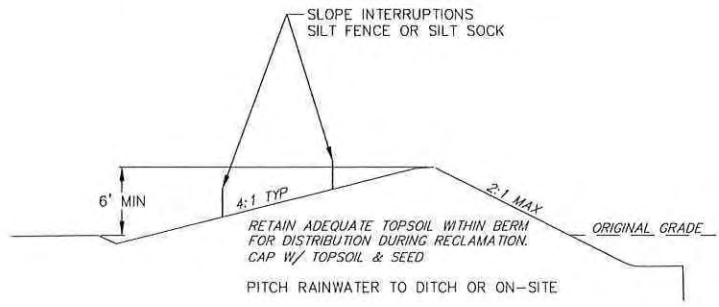
North

# LANDSCAPE SCREENING BERM



### LEGEND

- 10' — EXISTING MAJOR CONTOURS
- 5' — EXISTING MINOR CONTOURS
- EXISTING EDGE OF TREES
- TOPSOIL BERM
- ASPHALT ACCESS DRIVE

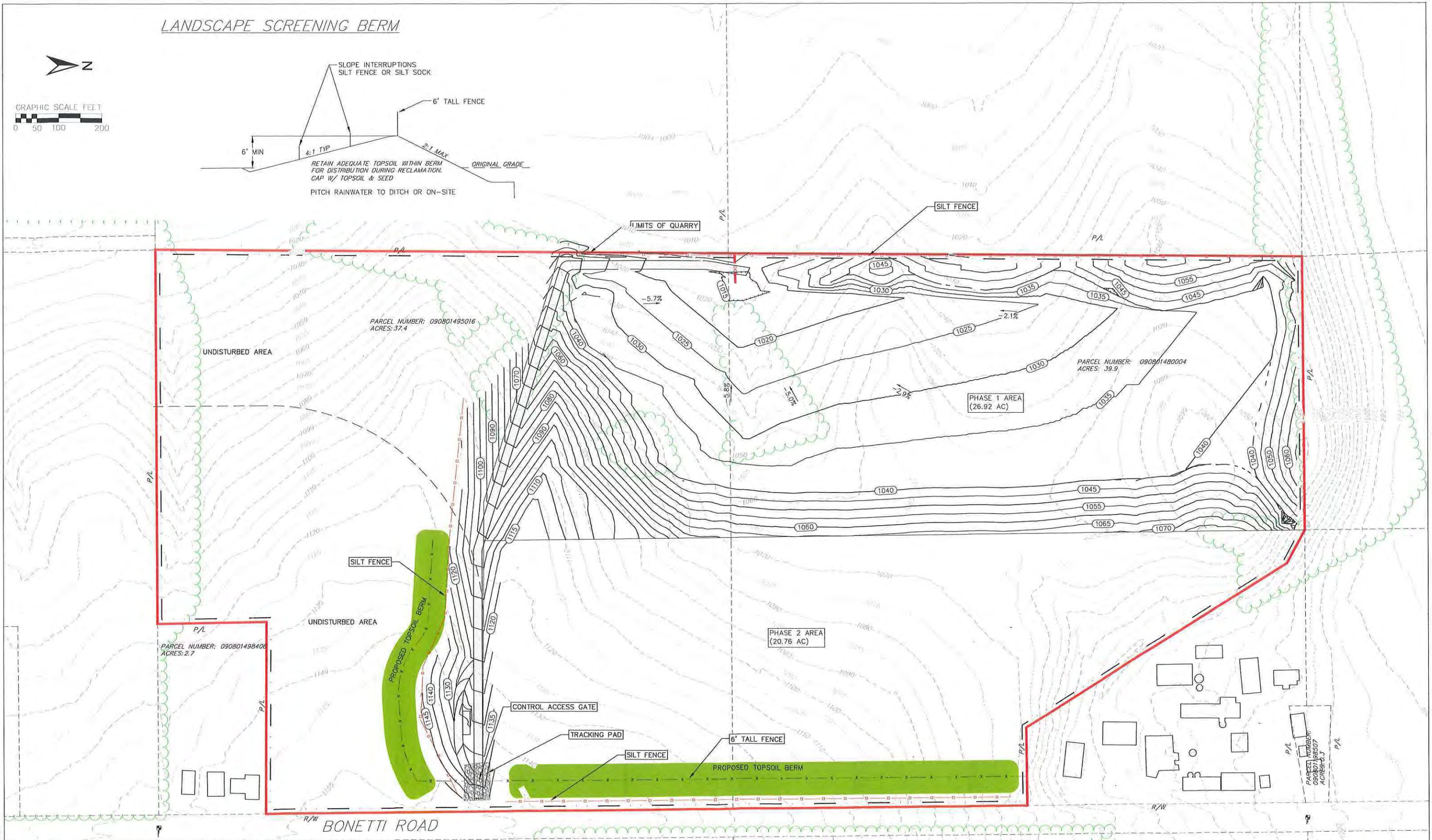
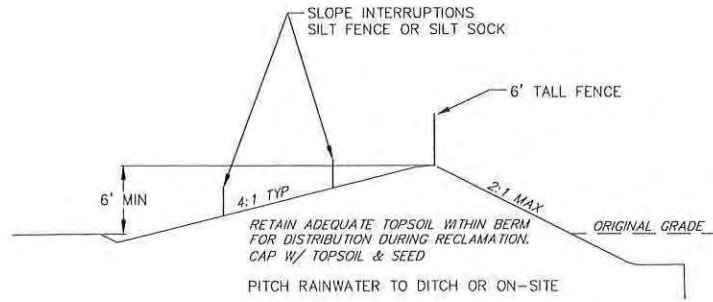


**J&D QUARRY - SITE PLAN**  
 TOWN OF DANE, WISCONSIN  
 12/20/2022

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LANDSCAPE SCREENING BERM

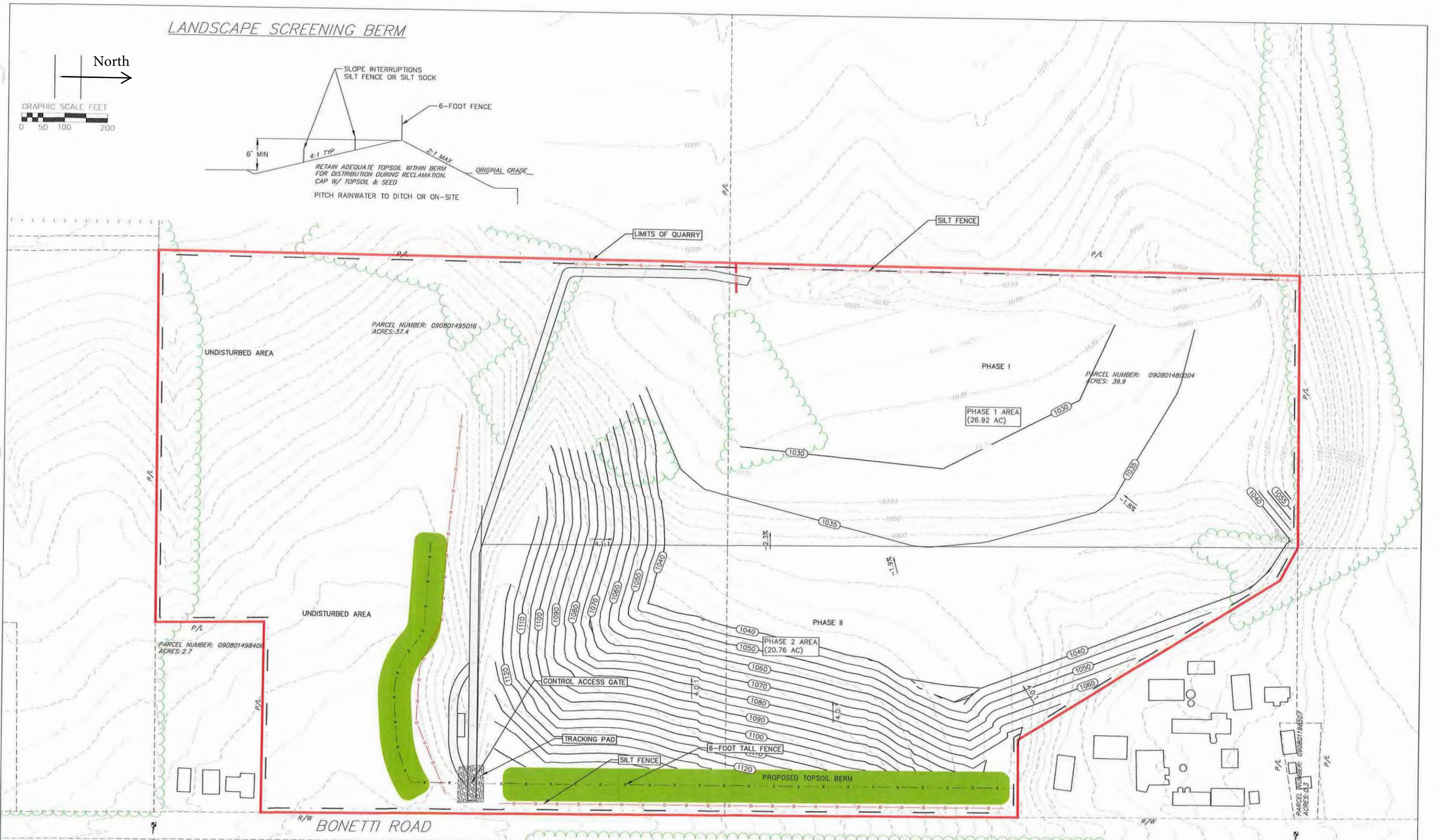
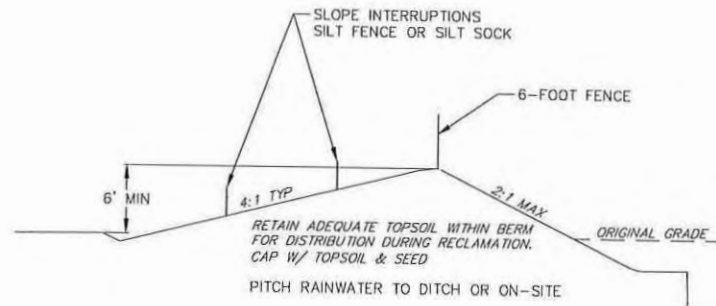
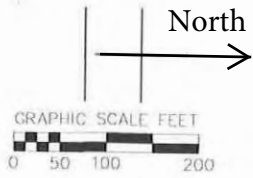


**J&D QUARRY - GRADING PLAN - PHASE 1**  
 TOWN OF DANE, WISCONSIN  
 12/20/2022

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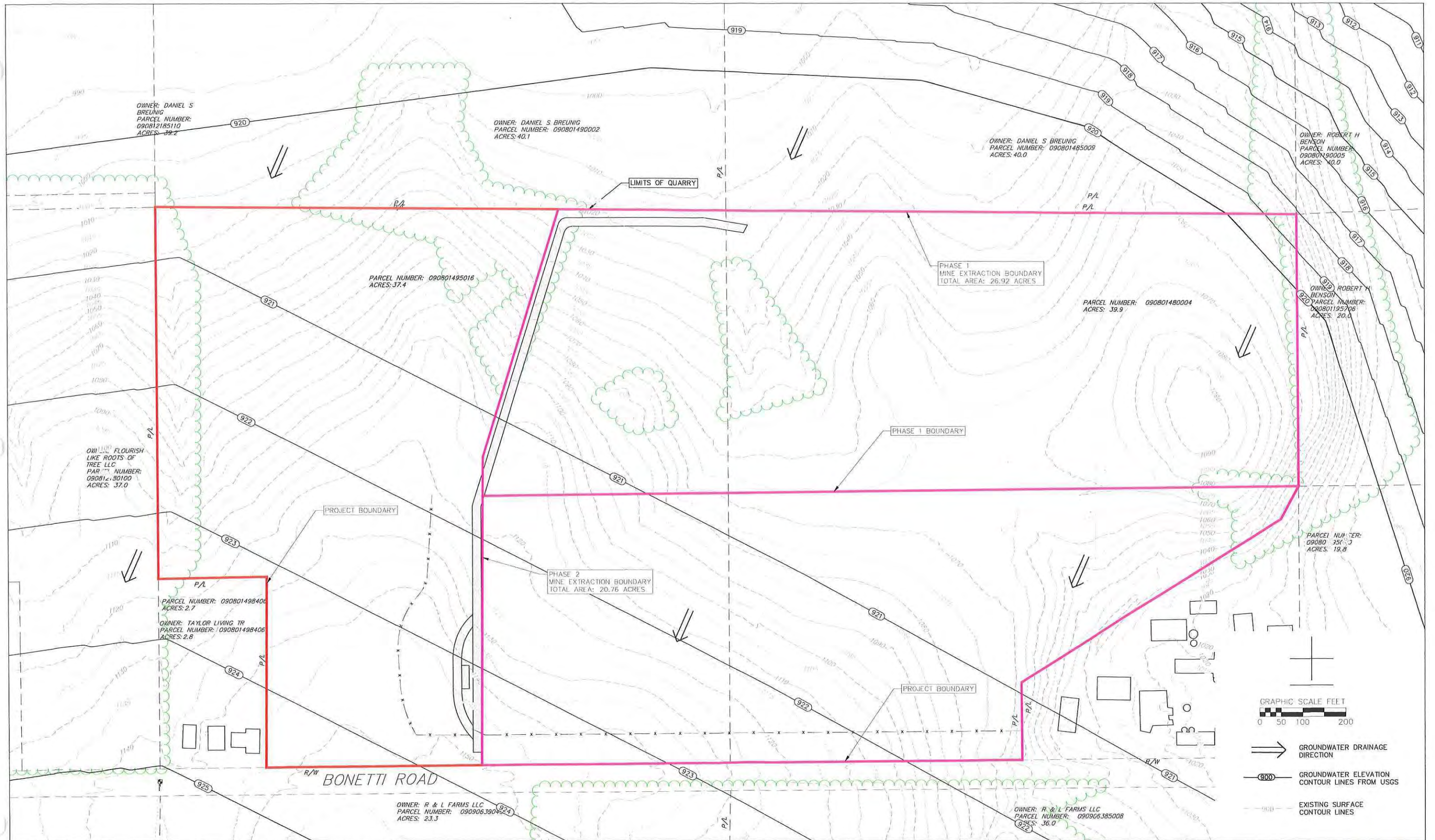
LANDSCAPE SCREENING BERM



J&D QUARRY - GRADING PLAN - PHASE 2

TOWN OF DANE, WISCONSIN  
12/20/2022

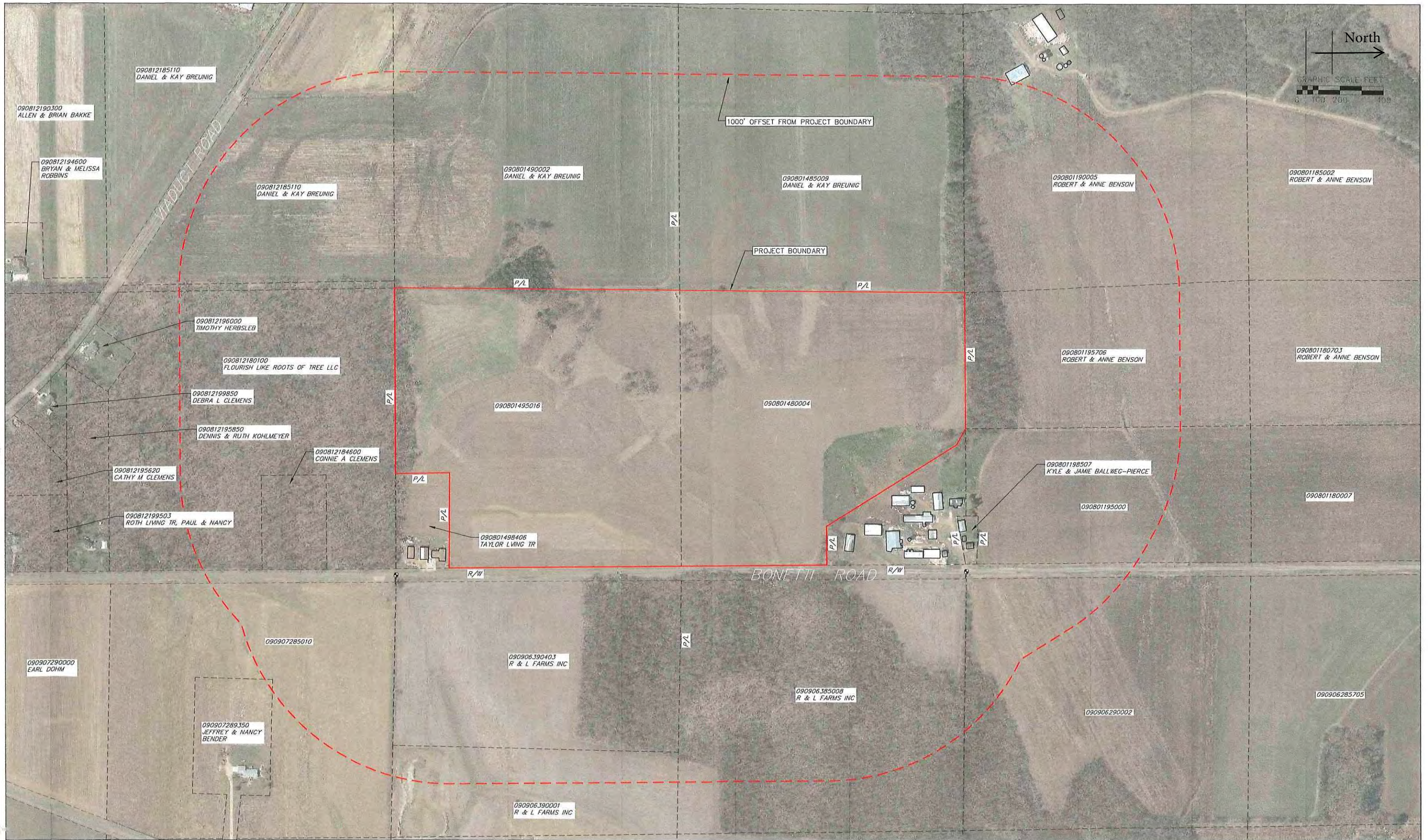




**J&D QUARRY - GROUNDWATER ELEVATION MAP**  
TOWN OF DANE, WISCONSIN  
12/20/2022

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**J&D QUARRY - 1000' OFFSET OF PROJECT BOUNDARY MAP**

TOWN OF DANE, WISCONSIN  
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