
To: Board of Adjustment
From: Land Use Management
Mtg. Date: April 28, 2025
Report Date: April 18, 2025

Agenda Item:

Request for Variance from Bruening Rock Products, an agent for the Kylo Trust (Owners) to operate a mining quarry within 1000 feet from the bank of the North Fork of the Zumbro River.

Application Information:

Property Owner: Lesley Kylo Trust
Agent for the Owners: Bruening Rock Products
Address of zoning request: 21249 260th Street, Zumbrota MN
Parcel: 47.034.1000
Township: Zumbrota Township
Zoning District: A-1 (Agricultural Protection) with partial floodplain and shoreland overlays

Attachments and Links:

Application and submitted attachments
Site Maps
Goodhue County Zoning Ordinance: [zoning_ordinance.pdf \(goodhuecountymn.gov\)](https://www.goodhuecountymn.gov/zoning-ordinance.pdf)

Site Summary

The Kylo property is 230 acres of primarily agricultural use in Zumbrota township, with an active farm site located south of the river along 460th Street. The Kylo's are proposing to lease 32.8 acres of land from their farm to Bruening Rock Products, for mining operations. The landowner will not change as the result of this variance request and is the party responsible for compliance issues on the site.

The County adopted updates to its mining regulations in 2013, and the regulations are incorporated into the Zoning Ordinance as Article 14 Mineral Extraction. Because of Minnesota buffer regulations, there is a protected vegetated buffer along the river, with the closest portion of the mine to be 150 feet from the river.

It should be noted that based on past aerial photography, it appears that this site did have an active mining operation on it as recently as 2010. However, the County has no evidence of any permits for the mine, although the County's permitting requirements were less restrictive prior to 2013.

The main reason for the variance request is based on geological rock formations, specifically, the documented rock formations of the Shakopee formation and St. Peter Sandstone are found in this exact location. See page 3 of the engineered plans submitted by G-Cubed. This limestone is used extensively throughout the region in construction, road construction, rip rap

for roads, ditches and bridges, and erosion control rip rap, among other uses. It is generally ideal to be able to source and extract land minerals as close as possible to its end use in order to be efficient on transportation impacts.

The purpose and intent of setbacks is to buffer uses of land from one another. In this case, the closest landowner is another mining site across the river, and agricultural land to the west. No homes exist within 1000 feet of the mining site, which is another requirement of the county's zoning ordinance.

Variance Standards:

Variances shall only be permitted when they are in harmony with the general purposes and intent of the Goodhue County Zoning Ordinance and when consistent with the adopted comprehensive plan. Variances may be granted when the applicant establishes that "practical difficulties" exist in complying with the existing official controls. Practical difficulties mean the applicant proposes to use the property in a reasonable manner not permitted by an official control, the plight of the landowner is due to circumstances unique to the property not created by the landowner, and the variance, if granted, will not alter the essential character of the locality. Economic considerations alone do not constitute practical difficulties.

Draft Findings of Fact:

1) Harmony with the general purposes and intent of the official control:

- The purpose and intent of the Mineral Extraction ordinance is to require additional oversight and review of mining sites in the County, and protections are in place to protect groundwater based on spacing of the mine from known wells.
- The applicants' plans to prevent erosion and sediment from entering the North Fork of the Zumbro river have been found to be acceptable.
- The Applicant's proposal appears in harmony with the purpose and intent of the official control.

2) The variance request is consistent with the adopted Comprehensive Plan:

- The Goodhue County Comprehensive Plan recognizing limestone as a resource that is rich in the unincorporated areas of Goodhue County.

The Applicant's screen porch request appears consistent with the Goodhue County Comprehensive Plan.

3) There are "practical difficulties" in complying with the official control (the applicant proposes to use the property in a reasonable manner not permitted by an official control; the plight of the landowner is due to circumstances unique to the property not created by the landowner, and the variance, if granted, will not alter the essential character of the locality):

- If the county were to require a 1000-foot setback for mineral extraction for this site, it would be beyond the reach of the limestone formation and therefore not be a practical site to mine.

4) No variance may be granted that would allow any use that is not allowed in the zoning district in which the subject property is located.

- Mining operations are allowed, conditionally in the A1 district.

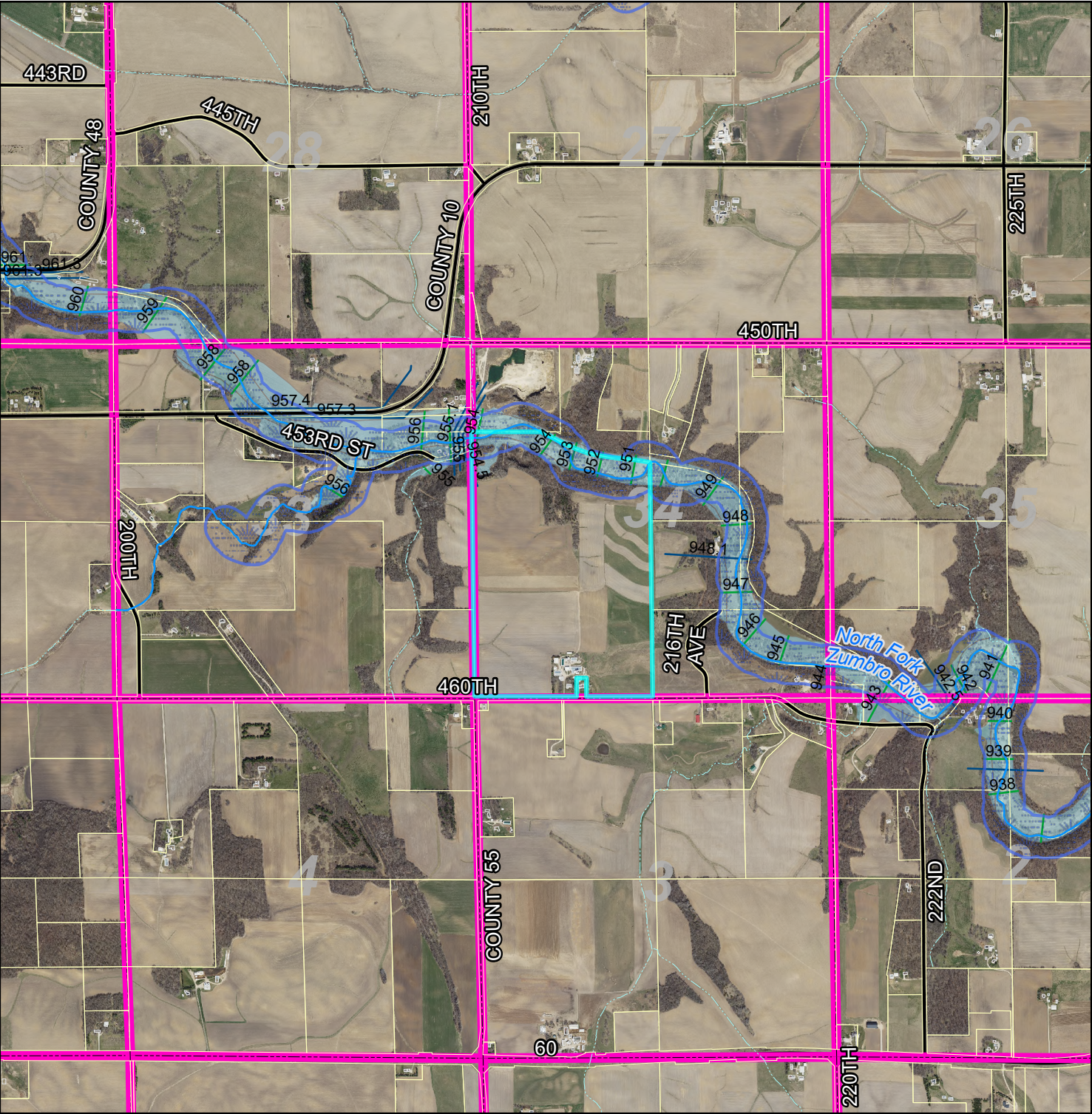
The draft Findings of Fact shall be amended to reflect concerns conveyed at the Board of Adjustment meeting and public hearing. The Board should specify the facts and reasons that are the basis of the Board's determination. In granting variances, the Board of Adjustment may impose conditions directly related to and bearing a rough proportionality with the impact(s) created by the variance.

Staff Recommendation:

- adopt the staff report into the record;
- adopt the findings of fact;
- accept the application, testimony, exhibits, and other evidence presented into the record; and

APPROVE the request for the Kylo Mining site to be located within 1000 feet of the North Fork of the Zumbro River, with the following conditions:

1. Mining operations as proposed are setback at least 150 feet from the ordinary high-water line of the North Fork of the Zumbro River and shall not move beyond that setback.
2. The owner of the property is responsible for implementation of the reclamation plan if and when mining operations cease
3. The property owner must ensure that the mining site is registered annually with the County as long as the site is in operation.
4. The owner must grant the County permission to inspect the site as requested, including inspections to the North Fork of the Zumbro river after blasting, rainfall, or other events that may cause site disturbances and erosion.
5. At all points in time for the duration of the use, the owner of the land must ensure that erosion and sediment control plans and best management practice are in place to protect the North Fork of the Zumbro River.
6. A conditional use permit (CUP) is required to operate a mining site in Goodhue County and if the CUP is revoked or expires, the variance becomes null and void.



BOARD OF ADJUSTMENT

Public Hearing
April 28th, 2025

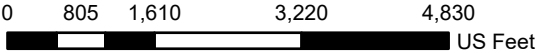
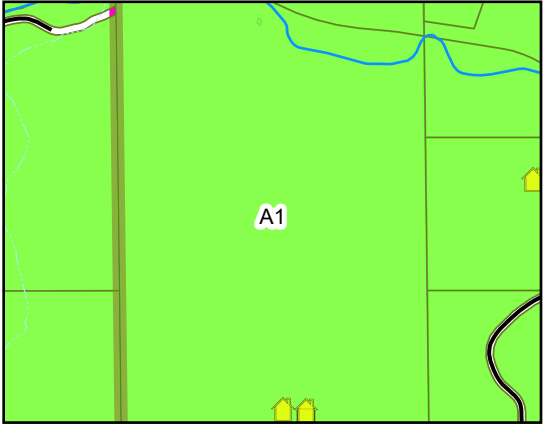
Ronald Fadness (Applicant) on behalf of
Lesley Kylo Trust (Owner)
A-1 Zoned District.

The SW1/4 and S1/2 of the NW1/4 of Sec 34
Twp 110 Range 15 in Zumbrota Township.

Request for Variance to allow a Quarry to
operate 150 feet from the stream bank of the
North Fork Zumbro River when a 1000-foot
setback is required.

Legend

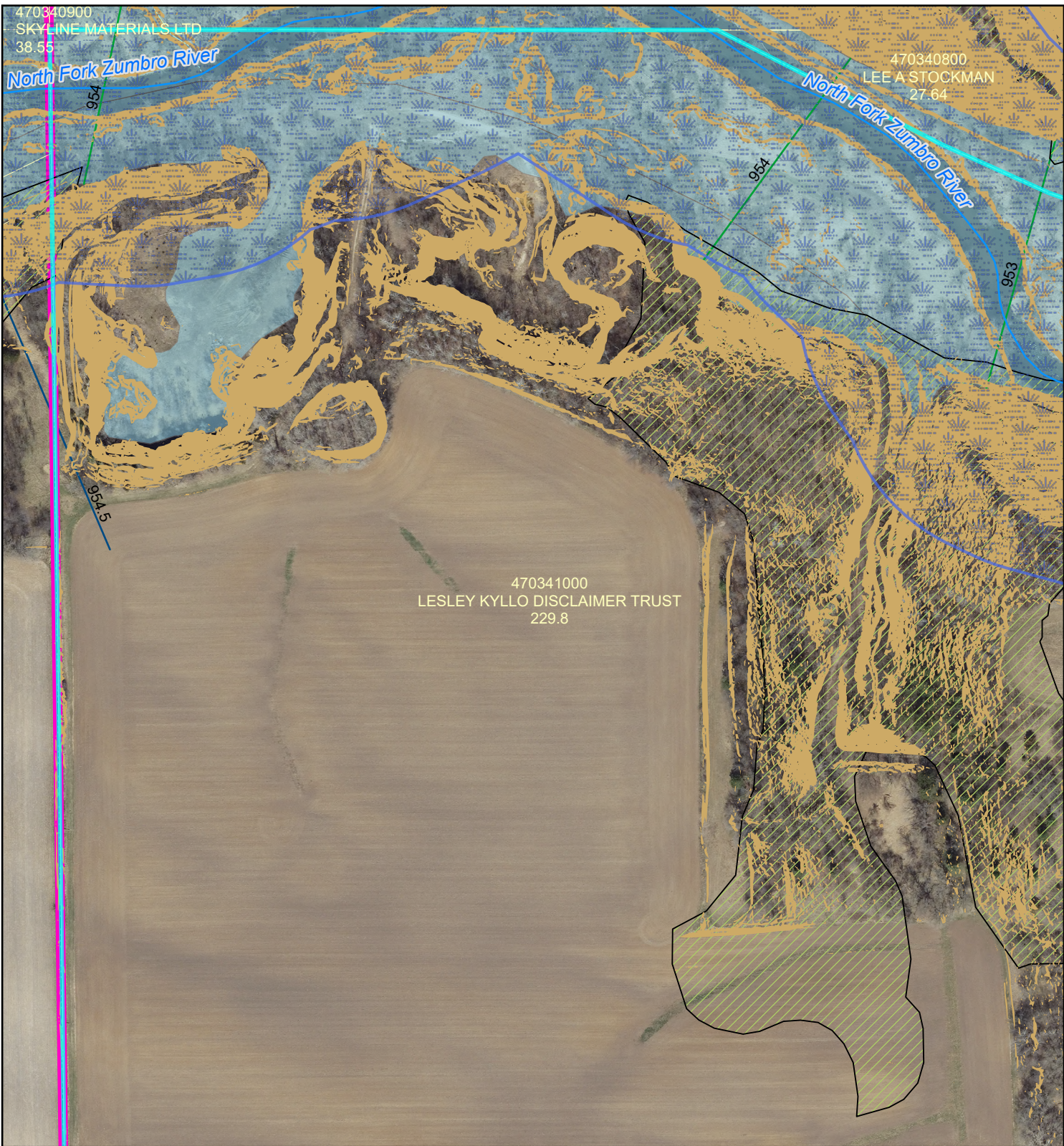
- | | |
|----------------------------|------------------------------|
| Intermittent Streams | Bluff Impact Zones (% slope) |
| Protected Streams | 20 |
| Lakes & Other Water Bodies | 30 |
| Shoreland | |
| Historic Districts | FEMA Flood Zones |
| Parcels | 2% Annual Chance |
| Registered Feedlots | A |
| Dwellings | AE |
| Municipalities | AO |
| | X |



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2024 Aerial Imagery
Map Created April, 2025 by LUM





SITE PLAN

State the use of the property. Show the size, shape and location of structures with distance to property lines and location of ALL wells and septic systems.

Legend

- Dwelling Point

Section Lines

Tax Parcels

Shoreland
- Protected

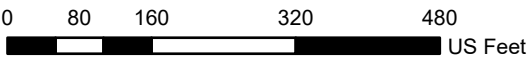
Blufflands

Soils_Type

Slope

Soils
- Intermittent

Streams

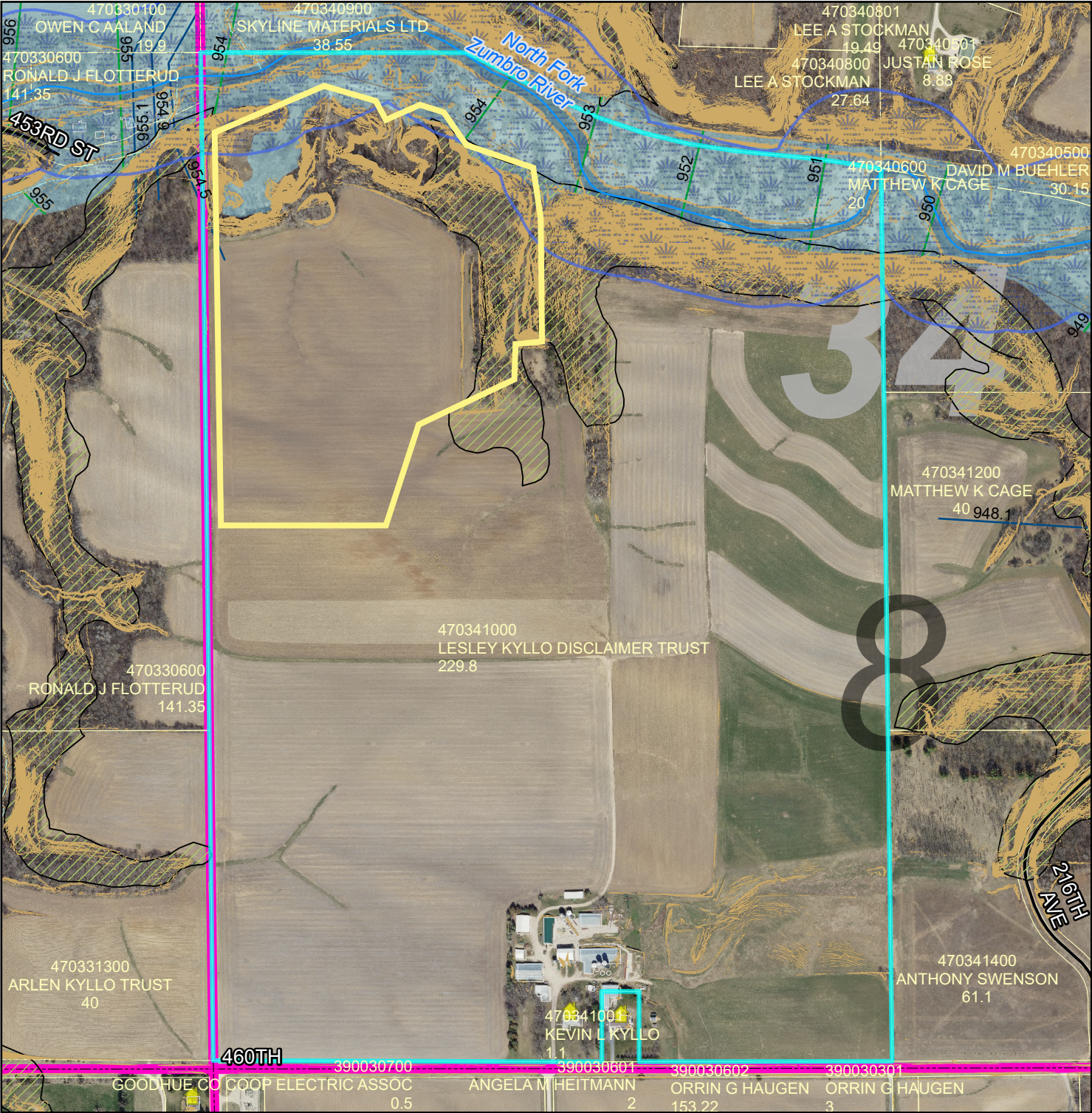


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2024 Aerial Imagery
Map Created April, 2025 by William Lenzen



MAP 01: PROPERTY OVERVIEW



BOARD OF ADJUSTMENT

Public Hearing
April 28th, 2025

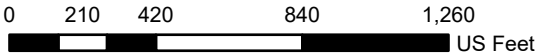
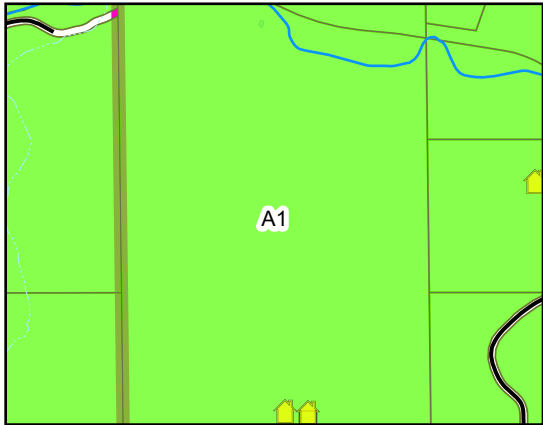
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Legend

- Intermittent Streams
 - Protected Streams
 - Lakes & Other Water Bodies
 - Shoreland
 - Historic Districts
 - Parcels
 - Registered Feedlots
 - Dwellings
 - Municipalities
- | Bluff Impact Zones (% slope) | |
|------------------------------|----|
| 20 | 30 |
- | FEMA Flood Zones | |
|------------------|----|
| 2% Annual Chance | A |
| AE | AO |
| X | |



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2024 Aerial Imagery
Map Created April, 2025 by LUM





Variance

For Staff Use Only	
Permit #	225-0013
\$400 Receipt #	18618
DATE:	3/31/25

SITE ADDRESS, CITY, AND STATE	ZIP CODE
21249 460th St., Zumbrota, MN	55992

LEGAL DESCRIPTION				
See Attached				
PID#	ZONING DISTRICT	LOT AREA (SF/ACRES)	LOT DIMENSIONS	STRUCTURE DIMENSIONS (if applicable)
47.034.1000	A1	32.8 Acres	varies	NA

APPLICANT OR AUTHORIZED AGENT'S NAME	
Ronald Fadness Bruening Rock Products	
APPLICANT'S ADDRESS	TELEPHONE
900 MONTgomery St, Decorah, IA 52101	(563) 382-2933
	EMAIL
	rdf@brueningrock.com

PROPERTY OWNER'S NAME	
Same as Above Lesley Kylo Trust	
PROPERTY OWNER'S ADDRESS	TELEPHONE
21249 460th St., Zumbrota, MN 55992	
	EMAIL

CONTACT FOR PROJECT INFORMATION	
Same as Above Chris Priebe G-Cubed Engineering, Surveying, and Planning	
ADDRESS	TELEPHONE
14070 Hwy 52 SE, Chatfield, MN 55923	507-867-1666
	EMAIL
	chrisp@ggg.to

VARIANCE REQUESTED TO: (check all that apply)	CURRENT OR PREVIOUS USE
<input type="checkbox"/> Road Right-Of-Way Setbacks	Rock Quarry and Aggricultural
<input type="checkbox"/> % Lot Coverage	PROPOSED USE:
<input type="checkbox"/> Property Line Setbacks	Rock Quarry
<input type="checkbox"/> Bluff Setbacks	BUILDING APPLICATION PERMIT NO.: (if filed)
<input type="checkbox"/> Height Limits	DATE FILED:
<input checked="" type="checkbox"/> Shoreland Setbacks	
<input type="checkbox"/> Lot Width &/or Area	
<input type="checkbox"/> Other (specify)	
<input type="checkbox"/> Subdivision Regulations	

TOWNSHIP SIGNATURE		
By signing this form, the Township acknowledges they are aware of the Applicant's variance request. In no way does signing this application indicate the Township's position on the variance request.		
TOWNSHIP OFFICIAL'S SIGNATURE	TOWNSHIP OFFICIAL'S PRINTED NAME AND TITLE	DATE
<i>Laurie Hornemann</i>	Laurie Hornemann, Clerk	4-8-2025

By signing below, the applicant acknowledges:

1. The undersigned is the owner or authorized agent of the owner of this property.
2. The information presented is true and correct to the best of my knowledge.
3. If I am unable to be present at the hearing where my request is acted upon, I agree to accept the Notice of Decision via mail.
4. Additional information or applications may be required

Applicant's Signature:

Orlen Kylo

Date:

3-27-25

REQUEST SUMMARY

Please cite the Ordinance Article(s) and Section(s) you are requesting a variance from:

Article: 14 Section: 4 Name: Mineral Extraction Permit Required

Article: _____ Section: _____ Name: _____

SUPPORTING INFORMATION& JUSTIFICATION

You, or your agent, bear the burden of providing information to convince the Board to rule in your favor. Please provide answers to the following questions in the spaces below or in an attached document. You may also attach any additional supporting documentation you desire the board to review.

Discuss your current use of the property and the reason for your variance request:

The existing rock quarry has been inactive and unregistered with the county for many years. Brueing Rock Products has leased the property from the Kylo family and would like to reactive the quarry operations. The proposed quarry operations would not work closer to the Zumbro River but will actively work from the existing quarry face away from the river.

Describe the effects on the property if the variance is not granted:

The existing quarry will still remain within the 1000 foot setback without active mining.

Describe any unique physical limitations that exist on your property, not generally found on others, which prevent you from complying with the provisions of the current ordinance:

The location of the Limestone product is located within the setback of the river.

Discuss alternatives you considered that comply with existing standards. If compliant alternatives exist, provide your reasoning for rejecting them:

The location of the limestone is within the river setback. If the 1000 foot setback is applied there is not enough product to operate the quarry.

Discuss alternatives you considered that would require a lesser variance. If you rejected such alternatives, provide your reasoning:

The operator and owner explored the remaining area of the property if the setback is applied and their is limited amount of aggregate available. The plan proposed is to work from the existing quarry away from the river. Vegetated buffers will remain, as well as safeguards placed in the plan to protect the river from site runoff.

In your opinion, do you think the granting of your variance request would alter the "essential character" of the neighborhood/area?:

There is an active quarry on the north side of the river, and an existing quarry we are proposing to to expand. There is not a dwelling within 1000 feet of the proposed quarry activity. We do not think this varience would alter the "essential character" of the area.



ENGINEERING
SURVEYING
PLANNING

Kyllo Quarry – Bruening Rock Products Application Supplemental

Goodhue Count Article 14 – Section 4. Mineral Extraction Permit Required.

Subd. 7 . Mineral Extraction Facilities shall be prohibited within 1000 feet from Public Waters as defined in MN 103G.005. We are unable to meet this requirement as the existing quarry is adjacent to the Zumbro River. The proposal is to work from the existing rock face away from the Zumbro River and the 100Yr flood plain. We are proposing to excavate a 10' bench at an elevation 1' above the 100' flood elevation at the existing quarry wall. This will minimize the potential for flood waters to enter the active quarry area and minimize any runoff from the quarry operations to the Zumbro River. We are applying to the Board of Adjustment for a variance on this regulation due to the proximity of the existing quarry to the river and the plans to continue to work away from the river with protections in place for the river.

Goodhue County Article 14 – Section 5. Conditional/Interim Use Permit Application Requirements for New Mineral Extraction Facilities.

Subd. 1. An application form shall be submitted to the County

A. The required Maps A, B, and C are attached and are 7 pages.

B. The operator contact shall be:

Bruening Rock Products, Inc
Attn: Ronald Fadness (General Counsel)
900 Montgomery Street
P.O. Box 127
Decorah, IA 52101
(563) 682-2933

C. The property owner contact is:

Lesley Kyllo Disclaimer Trust
21249 460th St
Zumbrota, MN 55992

D. The proposed quarry is 29.71 acres and is described on Sheet 2 of the attached maps. The adjacent properties are not owned by the same owners as the above referenced property.

E. Proposed material to be excavated is overburden material, road rock, and construction rip rap. Material will be excavated using common construction equipment. It will be run through a crusher and a screener for size. Material will be stored in stockpiles on-site. General stockpile location is shown on Sheet 5 of the attached maps. Blasting is proposed and depending on demand for material is proposed 1 to 3 times a year. This will be contracted to a licensed blasting contractor.

F. The facility is proposed to operate for approximately 50 years, Monday – Friday from 7:00 AM to 7 PM and 7:00 AM to 12:00 PM on Saturday. The quarry is estimated to be operational during the active construction season, April through

November. There is potential that the quarry will be open beyond these months if the demand is there.

- G. Typical construction equipment shall be utilized to extract the material from the quarry surface. The operator shall utilize excavators, front end loaders, haul trucks, screeners, and crushers. All equipment will be maintained.
- H. It is estimated that an average of 25 round-trip truck trips per day shall access the quarry and during construction season a peak day may have up to 40 round-trip truck trips per day.
- I. There will be no lighting pointing upward or towards any structure on adjoining properties.

Subd. 2. Supporting Documentation.

- A. The existing land use is agricultural and an existing non-active aggregate quarry.
- B. The current zoning of the property and adjacent properties is A-1 Agricultural Protection. The property adjacent to the south 460th St is A2 Agricultural.
- C. Soils are typically Silt Loam with slopes ranging from 2 to 18 percent across the agricultural area of the proposed quarry. The existing quarry contains complex soils that contain Silt Loam over cobbly loam and slopes range from 12 to 70%. Soil Boring logs are attached.
- D. The proposed quarry is a high point on the property with existing drainage flowing southerly, northerly, easterly. Although the hill will be excavated there will be minor impacts to the direction of surface water flow. The quarry will drain inward and infiltrate through sandy/aggregate floor of the quarry. Drainage around the quarry will continue to drain southerly, northerly, and easterly. It is not expected that groundwater will be encountered during mining activities. Per the Geological Atlas of Goodhue County, the water table depth is 50 to 200 feet. Most wells in the area show the Static Water Level greater than the depth of excavation.
- E. The mineral source is limestone aggregate. Depending on the rock formation it is proposed that up to 151 feet of depth may be excavated. This may vary based on material found on-site. The maximum proposed excavation is 3,062,821.19 Cu.yds of aggregate to be excavated. The aggregate to be excavated is to be used as road rock and other road or site construction related needs.
- F. All required local, state, and federal permits will be received prior to excavation activities.
- G. The proposed quarry is a high point on the property with existing drainage flowing westerly, southerly, and easterly. Although the hill will be excavated there will be minor impacts to the direction of surface water flow. The quarry will drain inward and infiltrate through sandy/aggregate floor of the quarry. Drainage around the quarry will continue to drain west, south, and southeast. It is not expected that groundwater will be encountered during mining activities.
- H. Quarry drainage shall be contained on-site. There should be minimal effects to the existing drainage patterns to the downstream area of the quarry.
- I. There are no wetlands on-site. The excavation will be protected from NW prevailing winds by the screening berm and the quarry itself. This should minimize any negative erosion. All surface water within the quarry shall be contained by the quarry to minimize any runoff erosion. Traffic will be routed to county highway system which is adequately sized for any increase in traffic. The noise will be

similar to any construction related activity and will be limited to the approved operating schedule.

- J. The site itself is in an A-1 district and is screened by existing tree vegetation. A vegetated berm is proposed around the West, East, and South sides of the quarry which will aid in screening the quarry. Due to the location of the quarry, there is a minimal risk of security issues therefore we are not proposing a fence at this time. There will be a sign with site rules and regulations at the entrance of the quarry.
- K. Complaints should be directed to Ronald Fadness, General Counsel of Bruening Rock Products, Inc. (563) 382-2933. All complaints will be investigated and a resolution sought out.
- L. See attached soil borings. It is not expected that groundwater is to be encountered during excavation.
- M. See Sheet 6 of the attached maps.
- N. A scale will be constructed at the entrance/exit of the pit. All vehicles will be weighed when entering and exiting to ensure they are within limits.
- O. The entrance of the quarry is 3,300 feet along a gravel access road prior to entering the county road access point. The length of travel will minimize any mud or debris from being tracked onto any public road.
- P. Dewatering is not proposed and will not be utilized.
- Q. In the case of a failure of the perimeter berm caused by erosion or blowout all stormwater would be retained within the pit boundary and filtered out through the quarry floor within the site. The perimeter berm failure would be repaired immediately and seeded within 7 days. The drainage pattern within the site will be to the center of the disturbed area which would prevent sediments from eroding from the site.

There is no processing proposed that would produce process water, or tailings. Fueling and oil changes are contracted to vendors who service equipment daily. Oil changes are performed with equipment which extracts used oil from engines mechanically which significantly reduces the chance of spillage. With the exception of the petroleum products in the construction equipment there should be no other form of chemical contamination on-site. If a fuel spill would happen, mitigation measures including: observing safety precautions, stopping the spill, calling 911 if fire or public safety hazards are created, containing the spilled material, reporting the spill to the Minnesota Duty Officer and clean up. Spill containment and emergency preparedness can minimize damage and cost of cleanup. Materials such as containment sorbent and pads may be kept on-site during construction and mining operations. Any spill greater than five gallons of petroleum requires the operator to contact the Minnesota Duty Officer at (651) 649-5451 or (800) 422-0798 and report the spill.

- R. A pre-blast survey will be performed by a Minnesota Licensed Engineer of surrounding dwellings and buildings within one half mile prior to initial blasting. Yearly seismic surveys will be offered and conducted by the engineer if blasting has occurred within the year.
- S. There will be a perimeter berm screening visibility of the quarry along with a sign at the entrance of the pit with contact information and regulations.

- T. There are no public schools, churches, campgrounds, nursing homes, and platted residential properties within one mile of the proposed quarry.
- U. No public monies will be utilized in the establishment, operation, monitoring, or reclamation aspects of the proposed quarry.

Kyllo Quarry – Bruening Rock Products Reclamation Estimate

The proposed end use of the Kyllo Quarry will be grassland to be used as animal habitat.

Once quarry operations have been completed the operator will be responsible for the removal of all internal roads, scale, scale house, and machinery (miscellaneous removals). The site shall then be graded per the reclamation map (common excavation). Once mass grading is complete 6" salvaged topsoil shall be spread across all disturbed areas (salvaged topsoil respread). Upon completion of topsoil spreading the entire site shall be seeded, mulched, and fertilized in accordance with the latest Minnesota Manual for Erosion Control and MnDOT Regulations. Vegetation shall be inspected at 6 months and 12 months, noxious weeds shall be removed and non-vegetated areas reseeded as needed (seed, fertilize and mulch).

Below is a cost estimate for final reclamation.

Kyllo Quarry - Bruening Rock Products Reclamation Estimate					3/26/2025
-	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
-					
<u>1</u>	Common Excavation (calculated as in place material excavated and placed as onsite to meet reclamation grades)	48400	CY	\$5.00	\$242,000.00
<u>2</u>	Salvaged Topsoil Respread (6" average depth)	24200	CY	\$8.00	\$193,600.00
<u>3</u>	Seed, fertilize and mulch	29.71	acre	\$2,500.00	\$74,275.00
<u>4</u>	Miscellaneous removals & disposals (internal roads, scale, scale house)	1	LS	\$12,500.00	\$12,500.00
-				Total =	\$522,375.00
-					
-					

Kyllo Quarry Test Borings by Bruening Rock Products on 03/12/2025

Boring #1 – Elev. 1070

0- 9' – Silty Loam Overburden

9'- 45' – Rock

45'- 49' – Seam of Sandy Rock

49'- 65' – Rock

65'- 69' – Seam of Sandy Rock

69'- 110' – Rock

110' End of Bore Elev. 960 – No groundwater encountered

Boring #2 – Elev. 1060

0- 8' – Silty Loam Overburden

8'- 40' – Rock

40'- 45' – Seam of Sandy Rock

45'- 70' – Rock

70'- 74' – Seam of Sandy Rock

74'- 100' – Rock

100' End of Bore Elev. 960 – No groundwater encountered

Boring #3 – Elev. 1050

0- 12' – Silty Loam Overburden

12'- 45' – Rock

45'- 49' – Seam of Sandy Rock

49'- 65' – Rock

65'- 69' – Seam of Sandy Rock

69'- 100' – Rock

100' End of Bore Elev. 950 – No groundwater encountered

Conservation Planning Report: Kylo Quarry

This document is intended for planning purposes only for the area of interest defined by the user. The report identifies ecologically significant areas documented within the defined area of interest plus any additional search distance indicated below. These ecologically significant areas can be viewed in the Explore Tab of the Minnesota Conservation Explorer. Please visit [MN Geospatial Commons](#) for downloadable GIS data.

This document does not meet the criteria for a Natural Heritage Review. If a Natural Heritage Review is needed, please define an Area of Interest in the Explore Tab and click on the Natural Heritage Review option.

This document does not include known occurrences of state-listed or federally listed species.

MBS Sites of Biodiversity Significance

Search distance = 330 feet

Minnesota Biological Survey (MBS) Sites of Biodiversity Significance are areas with varying levels of native biodiversity that may contain high quality native plant communities, rare plants, rare animals, and/or animal aggregations. A [Biodiversity Significance Rank](#) is assigned on the basis of the number of rare species, the quality of the native plant communities, size of the site, and context within the landscape. MBS Sites are ranked Outstanding, High, or Moderate. Areas ranked as Below were found to be disturbed and are retained in the layer as negative data. These areas do not meet the minimum biodiversity threshold for statewide significance but may have conservation value at the local level as habitat for native plants and animals, corridors for animal movements, buffers surrounding higher quality natural areas, or as areas with high potential for restoration of native habitat. The DNR recommends avoidance of MBS Sites of Biodiversity Significance ranked High or Outstanding.

Wetlands within MBS Sites of Outstanding or High Biodiversity Significance may be considered Rare Natural Communities under the Wetland Conservation Act. For technical guidance on Rare Natural Communities, please visit [WCA Program Guidance and Information](#).

For more information please visit [MBS Sites of Biodiversity Significance](#).

The following MBS Sites of Biodiversity Significance are within the search area:

MBS Site Name	Biodiversity Significance	Status
ZUMBROTA 34	Below	final

DNR Native Plant Communities

Search distance = 330 feet

A native plant community is a group of native plants that interact with each other and with their environment in ways not greatly altered by modern human activity or by introduced organisms. These groups of native plant species form recognizable units, such as oak savannas, pine forests, or marshes, that tend to repeat over space and time. Native plant communities are classified and described by considering vegetation, hydrology, landforms, soils, and natural disturbance regimes.

DNR Native Plant Community types and subtypes are given a [Conservation Status Rank](#) that reflects the relative rarity and endangerment of the community type in Minnesota. Conservation Status Ranks range from S1 (critically imperiled) to S5 (secure, common, widespread, and abundant). Native plant communities with a Conservation Status Rank of S1 through S3 are considered rare in the state. The DNR recommends avoidance of rare native plant communities.

Wetland native plant communities with a conservation status rank of S1 through S3 may also be considered Rare Natural Communities under the Wetland Conservation Act. For technical guidance on Rare Natural Communities, please visit [WCA Program Guidance and Information](#).

DNR Native Plant Communities may be given a Condition Rank that reflects the degree of ecological integrity of a specific occurrence of a native plant community. The Condition Rank is based on species composition, vegetation structure, ecological processes and functions, level of human disturbance, presence of exotic species, and other factors. Condition Ranks range from A-rank (excellent ecological integrity) to D-rank (poor ecological integrity). A Condition Rank of NR means Not Ranked and a Condition Rank of MULTI mean multiple ranks are present because the record is a native plant community complex.

For more information please visit [Minnesota's Native Plant Communities](#).

SEARCH RESULTS: No features were found within the search area.

Calcareous Fens

Search distance = 5 miles

A calcareous fen is a rare and distinctive peat-accumulating wetland that is legally protected in Minnesota under the Wetland Conservation Act (*Minnesota Statutes*, [section 103G.223](#)). Many of the unique characteristics of calcareous fens result from the upwelling of groundwater through calcareous substrates. Because of this dependence on groundwater hydrology, calcareous fens can be affected by nearby activities or even those several miles away. For more information regarding calcareous fens, please see the [Calcareous Fen Fact Sheet](#) or review the [List of Known Calcareous Fens](#).

SEARCH RESULTS: No features were found within the search area.

DNR Old Growth Stands

Search distance = 330 feet

[Old-growth forests](#) are natural forests that have developed over a long period of time, generally at least 120 years, without experiencing severe, stand-replacing disturbances such as fires, windstorms, or logging. Old-growth forests are a unique, nearly vanished piece of Minnesota's history and ecology; less than 4% of Minnesota's old-growth forests remain. The DNR recommends avoidance of all DNR Old Growth Stands. The following DNR Old Growth Stands have been documented within the search area.

SEARCH RESULTS: No features were found within the search area.

MN Prairie Conservation Plan

Search distance = 330 feet

The [Minnesota Prairie Conservation Plan](#), a twenty-five year strategy for accelerating prairie conservation in the state, identifies Core Areas, Corridors, and Corridor Complexes as areas to focus conservation efforts. The Plan's strategies include protection, enhancement, and restoration of grassland and wetland habitat. To meet the Plan's goals, approaches within Core Areas will need to include restoration and approaches within Corridors will need to include conservation of grassland habitat which can provide stepping stones between larger Core Areas.

SEARCH RESULTS: No features were found within the search area.

Important Bird Areas

Search distance = 1 mile

[Important Bird Areas](#), identified by Audubon Minnesota in partnership with the DNR, are part of an international conservation effort aimed at conserving globally important bird habitats. They are voluntary and non-regulatory, but the designation demonstrates the significant ecological value of the area.

SEARCH RESULTS: No features were found within the search area.

Lakes of Biological Significance

Search distance = 330 feet

[Lakes of Biological Significance](#) are high quality lakes as determined by the aquatic plant, fish, bird, or amphibian communities present within the lake. To be included in this layer, a lake only needs to meet the criteria for one of these four community types. The lake is assigned a biological significance of Outstanding, High, or Moderate based on the community with the highest quality.

SEARCH RESULTS: No features were found within the search area.

USFWS Habitat Conservation Plans

A [Habitat Conservation Plan \(HCP\)](#) is a mechanism for compliance with the federal Endangered Species Act for a given set of activities and protected species. An HCP is required by the U.S. Fish and Wildlife Service (USFWS) as part of an application for an [incidental take permit \(ITP\)](#). The ITP allows the permit holder to proceed with activities covered in the HCP that could result in the unintentional take of federally listed species.

[Lakes States Forest Management Bat Habitat Conservation Plan \(Bat HCP\)](#): (search distance = 0; within area of interest only) This HCP was created to provide flexibility to the Minnesota Department of Natural Resources (DNR) to manage forests while addressing federal Endangered Species Act (ESA) regulations related to federally threatened and endangered bat species. The Bat HCP covers three bat species within Minnesota: northern long-eared bat, little brown bat, and tricolored bat. This report is intended to help non-federal, non-DNR landowners evaluate their potential eligibility for the Landowner Enrollment Program of the Bat HCP (For DNR-administered land, DNR staff should refer to the Bat HCP Implementation Policy).

[Landowner Enrollment Program](#) – DNR's incidental take permit may be extended through the Landowner Enrollment Program (LEP) to eligible non-federal landowners who conduct forest management activities. Landowners may be eligible to enroll in the LEP if they are a county land administrator, own more than 10,000 acres, or own land that overlaps a Bat HCP feature. The results below indicate if the defined area of interest overlaps a Bat HCP feature. For more information on how to enroll in the LEP, please visit the [Landowner Enrollment Program \(LEP\)](#).

SEARCH RESULTS: No Bat HCP features were found within the area of interest. Landowners are only eligible to apply for the Landowner Enrollment Program if they are a county land administrator or they own more than 10,000 acres.

USFWS Regulatory Layers

To ensure compliance with federal law, conduct a federal regulatory review using the U.S. Fish and Wildlife Service's (USFWS) online [Information for Planning and Consultation \(IPaC\) tool](#). This report is not a substitution for a Section 7 review.

For informational purposes only, this tool currently checks the following USFWS Regulatory Layers:

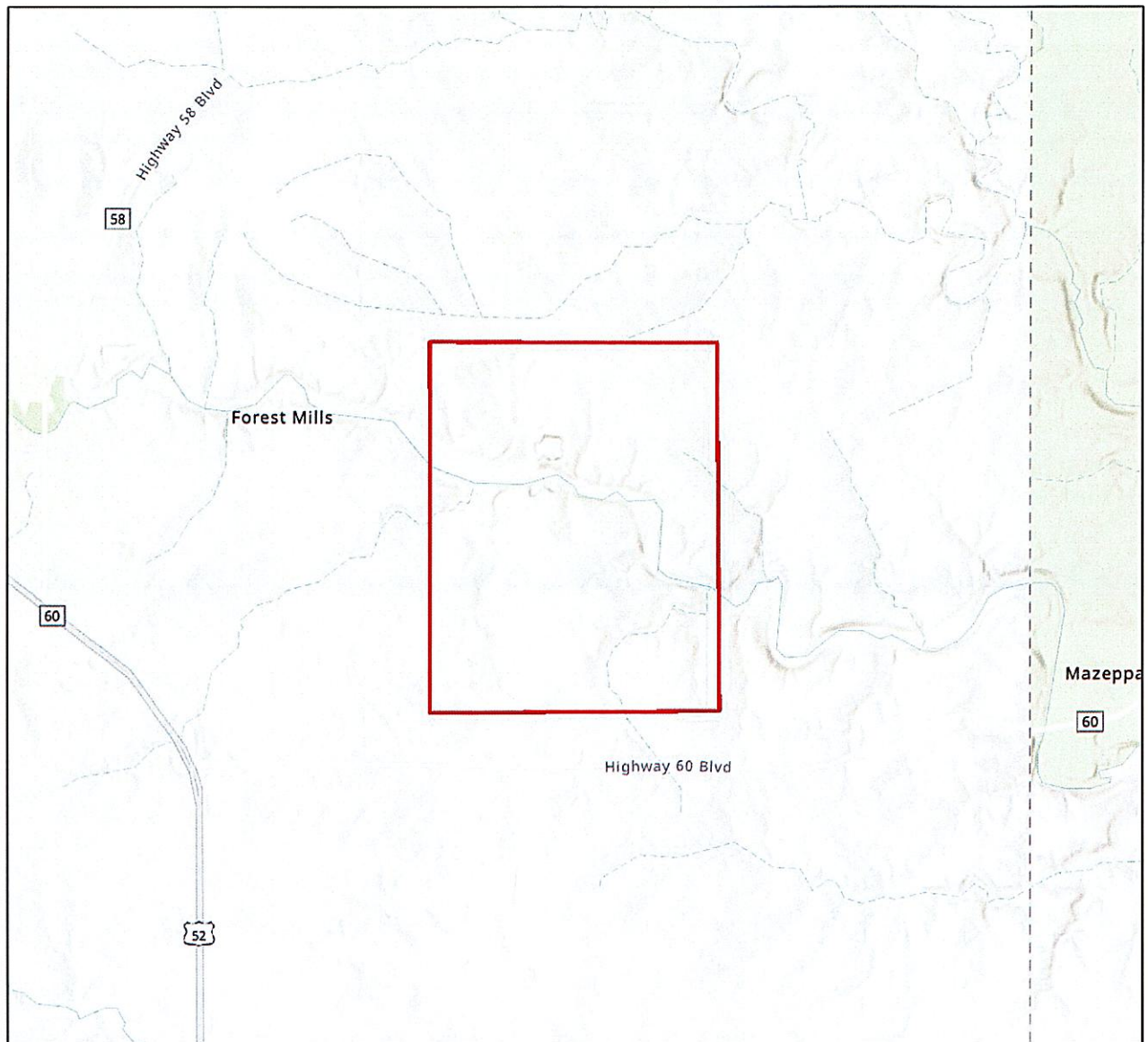
[Rusty Patched Bumblebee High Potential Zones](#): (search distance = 0; within area of interest only) The rusty patched bumble bee (*Bombus affinis*), federally listed as endangered, is likely to be present in suitable habitat within the high potential zones. From April through October this species uses underground nests in upland grasslands, shrublands, and forest edges, and forages where nectar and pollen are available. From October through April the species overwinters under tree litter in upland forests and woodlands. The rusty patched bumble bee may be impacted by a variety of land management activities including, but not limited to, prescribed fire, tree-removal, haying, grazing, herbicide use, pesticide use, land-clearing, soil disturbance or compaction, or use of non-native bees. The [USFWS RPBB guidance](#) provides guidance on avoiding impacts to rusty patched bumble bee and a key for determining if actions are likely to affect the species; the determination key can be found in the appendix. Please visit the [USFWS Rusty Patched Bumble Bee Map](#) for the most current locations of High Potential Zones.

The following USFWS Regulatory Species are within the search area:

- Rusty Patched Bumble Bee High Potential Zone

Kyllo Quarry

Conservation Planning Map



0 0.38 0.75 1.5 2.25 3 Miles

Area of Interest

Size (acres): 2,440.36

County(s): Goodhue

Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS
 Esri, NASA, IGA, USGS
 Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/IASA, USGS,





Formal Natural Heritage Review - Cover Page

See next page for results of review. A draft watermark means the project details have not been finalized and the results are not official.

Project Name: Kyllo Quarry

Project Proposer: Bruening Rock Products

Project Type: Mining, Sand / Gravel / Crushed Stone

Project Type Activities: Tree Removal

TRS: T109 R15 S2, T109 R15 S3, T109 R15 S4, T110 R15 S26, T110 R15 S27, T110 R15 S28, T110 R15 S33, T110 R15 S34, T110 R15 S35

County(s): Goodhue

DNR Admin Region(s): Central

Reason Requested: Local Government Permit

Project Description: A 50 year quarry where the excavation and crushing of rock will take place. There will be no waste generated.

Existing Land Uses: The existing land is ag land for farming.

Landcover / Habitat Impacted: Agricultural field and woodlands will be affected.

Waterbodies Affected: No waterbody will be affected in this process.

Groundwater Resources Affected: No groundwater will be affected.

Previous Natural Heritage Review: No

Previous Habitat Assessments / Surveys: No

SUMMARY OF AUTOMATED RESULTS

Category	Results	Response By Category
Project Details	Comments	Tree Removal - Recommendations
Ecologically Significant Area	Comments	Potential Local Conservation Value
State-Listed Endangered or Threatened Species	Needs Further Review	State-protected Species - Needs Further Review
State-Listed Species of Special Concern	Comments	Recommendations
Federally Listed Species	Comments	Visit IPaC for Federal Review RPBB High Potential Zone



February 25, 2025

Project Name: Kyllo Quarry
Project Proposer: Bruening Rock Products
Project Type: Mining, Sand / Gravel / Crushed Stone
Project ID: MCE #2025-00197

AUTOMATED RESULTS: FURTHER REVIEW IS NEEDED

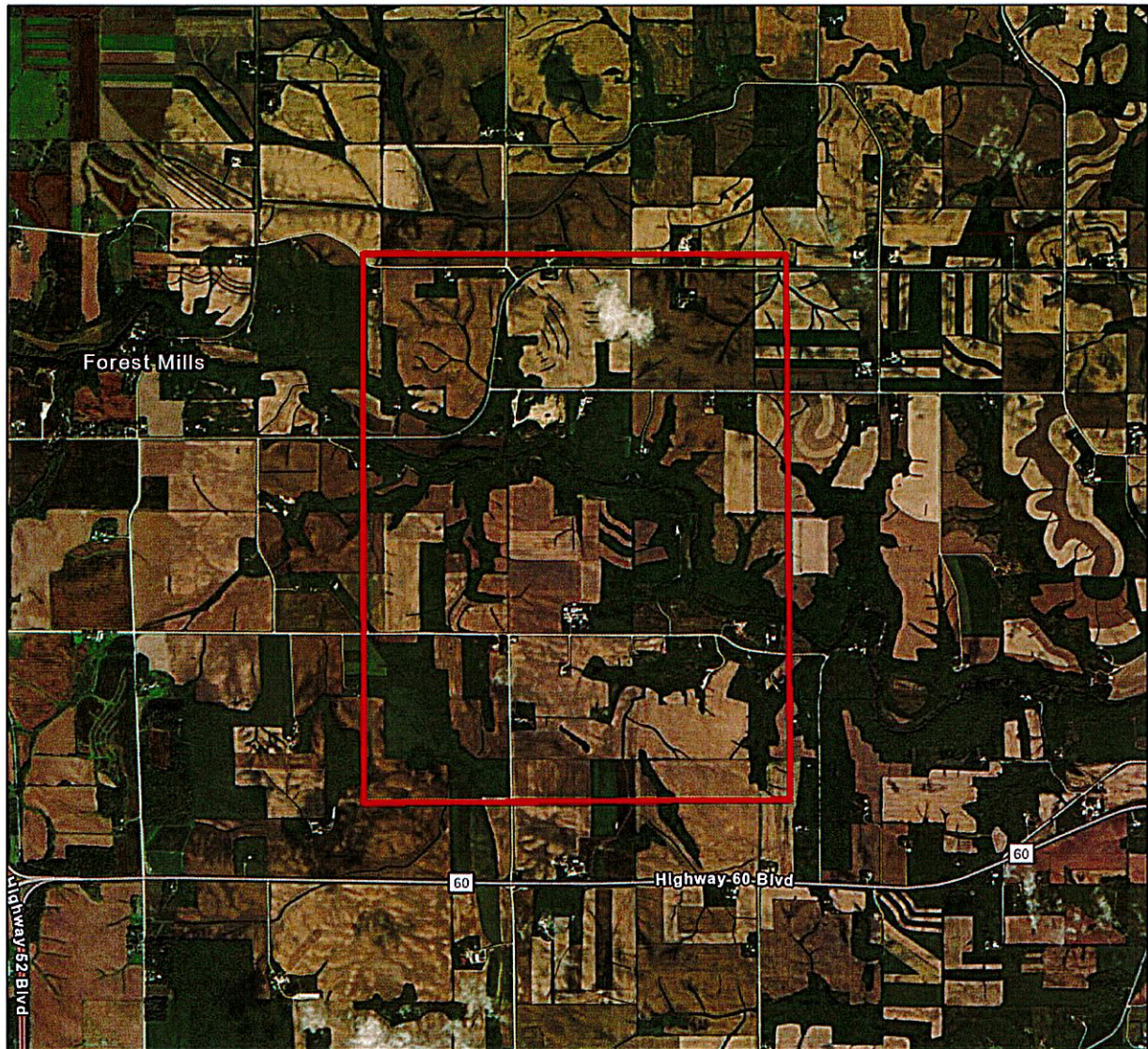
As requested, the above project has undergone an automated review for potential impacts to rare features. Based on this review, one or more rare features may be impacted by the proposed project and further review by the Natural Heritage Review Team is needed. You will receive a separate notification email when the review process is complete and the Natural Heritage Review letter has been posted.

Please refer to the table on the cover page of this report for a summary of potential impacts to rare features. For additional information or planning purposes, use the Explore Page in Minnesota Conservation Explorer to view the potentially impacted rare features or to create a Conservation Planning Report for the proposed project.

If you have additional information to help resolve the potential impacts listed in the summary results, please attach related project documentation in the Edit Details tab of the Project page. Relevant information includes, but is not limited to, additional project details, completed habitat assessments, or survey results. This additional information will be considered during the project review.

Kyllo Quarry

Aerial Imagery With Locator Map



0 0.25 0.5 1 1.5 2 Miles

 Project Boundary

Project Type: Mining, Sand / Gravel / Crushed Stone

Project Size (acres): 2,440.36

County(s): Goodhue

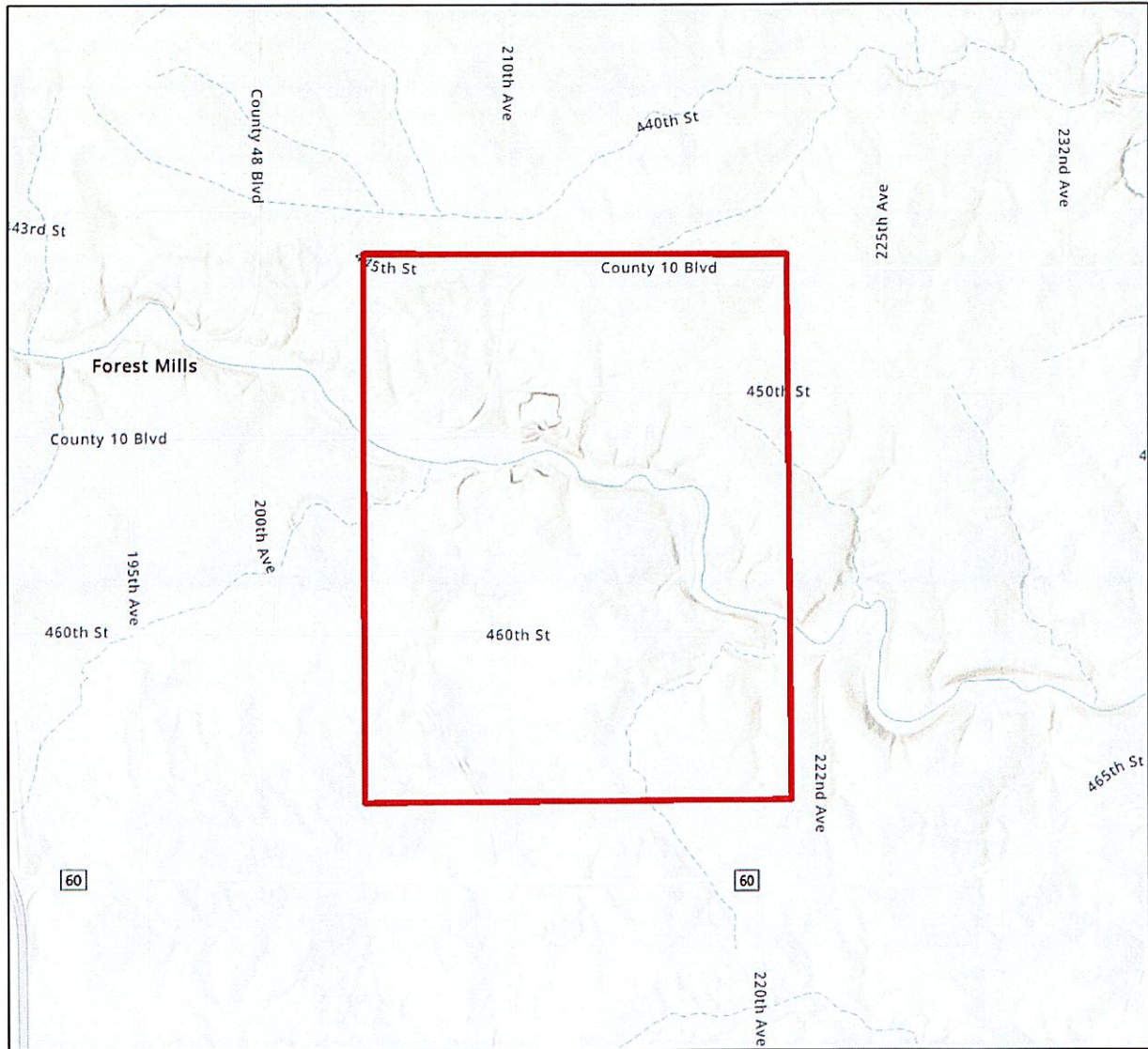
TRS: T109 R15 S2, T109 R15 S3, T109 R15 S4, T110 R15 S26, T110 R15 S27 +

Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS
Earthstar Geographics
Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/IASA, USGS,



Kyllo Quarry

USA Topo Basemap With Locator Map



0 0.25 0.5 1 1.5 2 Miles

 Project Boundary

Project Type: Mining, Sand / Gravel / Crushed Stone

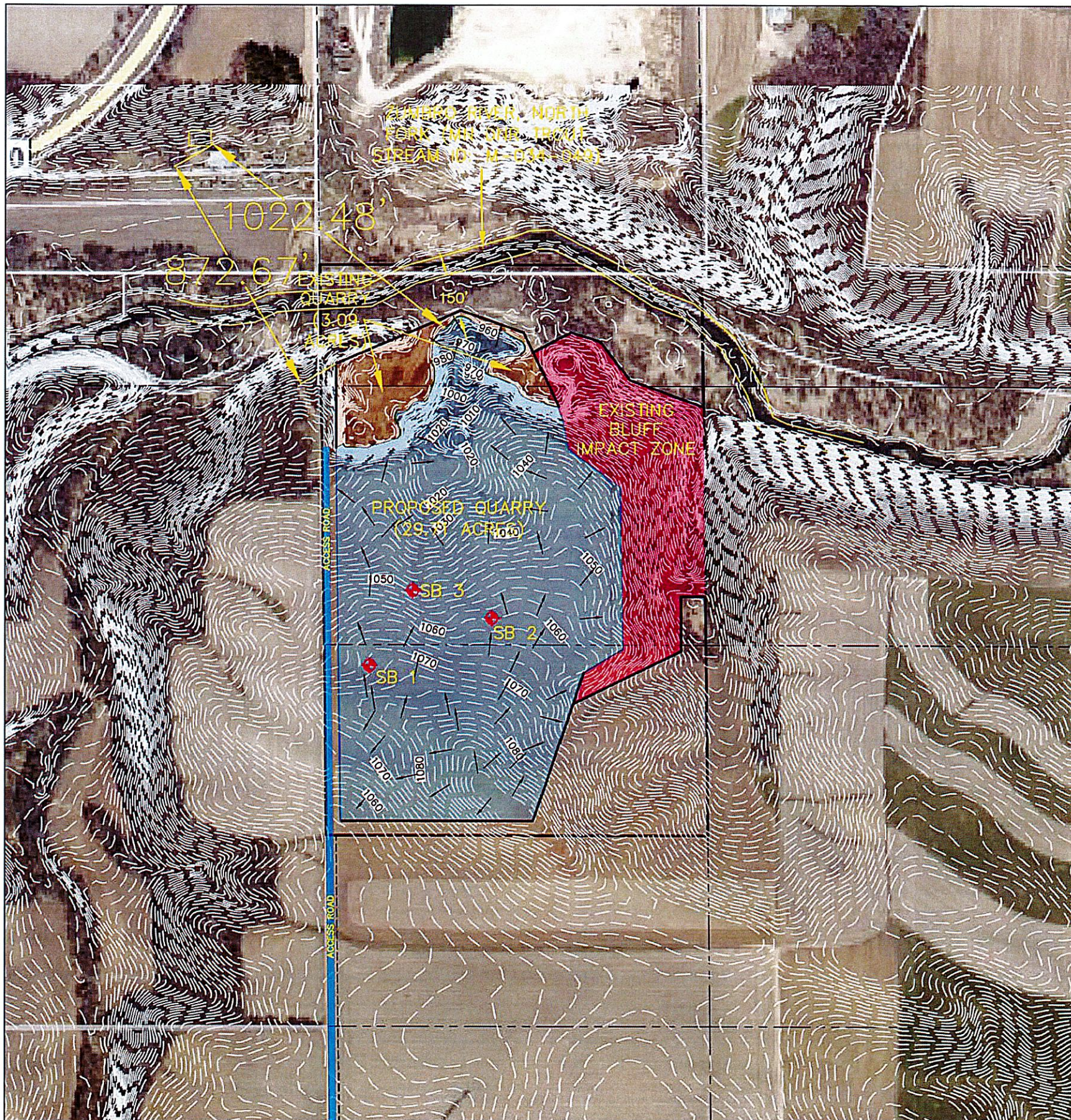
Project Size (acres): 2,440.36

County(s): Goodhue

TRS: T109 R15 S2, T109 R15 S3, T109 R15 S4, T110 R15 S26, T110 R15 S27 +

Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS
Esri, NASA, NOAA, USGS, FEMA
Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NOAA, USGS,

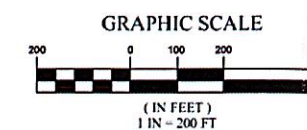




MAP A-EXISTING SITE CONDITIONS

- PROPERTY BOUNDARIES SURVEYED - SEE SHEET 2
- EXISTING CONTOURS FROM MN LIDAR
- EXISTING VEGETATION - AG. LAND AND TREES/SHRUBS
- EXISTING STRUCTURES - NA
- EXISTING POWERLINE RUNNING NORTH/SOUTH APPROXIMATELY 2' EAST OF WEST PROPERTY LINE. NO PIPELINES OR OTHER UTILITIES WITHIN QUARRY LIMITS.
- EXISTING EASEMENTS - NA
- EXISTING 33' ROAD RIGHT OF WAY FOR 460TH ST RUNNING EAST/WEST ALONG THE SOUTH PROPERTY LINE.
- ROAD ACCESS WILL BE FROM 460TH ST TO THE SOUTH WHICH IS MAINTAINED BY ZUMBROTA TOWNSHIP.
- EXISTING BLUFF IMPACT ZONE - SEE SHEET 1
- TEST BORING LOCATIONS - SEE SHEET 1
- THREATENED AND ENDANGERED SPECIES:
 - NHIS REQUEST SUBMITTED TO MnDNR 2/25/2025
- THICKNESS AND TYPE OF EXISTING TOPSOIL AND SUBSOIL - DOWNS-HERSHEY - > 6'. ACCORDING TO USDA-NRCS WEB SOIL SURVEY. SEE ATTACHED.
- NO EXISTING HISTORICAL, CULTURAL, ARCHEOLOGICAL FEATURES IDENTIFIED IN THE SHPO OR COUNTY DATABASE. SEE ATTACHED.
- EXISTING EXCAVATION OF QUARRY SHOWN ON MAP A(SHEET 1).

GEOLOGY SEE SHEET 3
HYDROLOGY SEE SHEET 4



OWNER:
LESLEY KYLLO TRUST
21249 460TH STREET
ZUMBROTA, MN 55992

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 02/24/2025
REG. NO.: 21940

DATE: 02/24/2025
Prepared For:
BRUENING ROCK PRODUCTS
900 MONTGOMERY STREET
DECORAH, IA 52101
FILE NO.: 23-066

G³
G-Cubed
14070 Hwy 52 S.E.
Chatfield, MN 55923

ENGINEERING
SURVEYING
PLANNING
Ph: 507-867-1666
Fax: 507-867-1665
www.g3g.com

DESIGNED: CMP
DRAWN: CMP
CHECKED: CMP

REVISED	BY	DATE
PRELIMINARY	CMP	02/24/2025

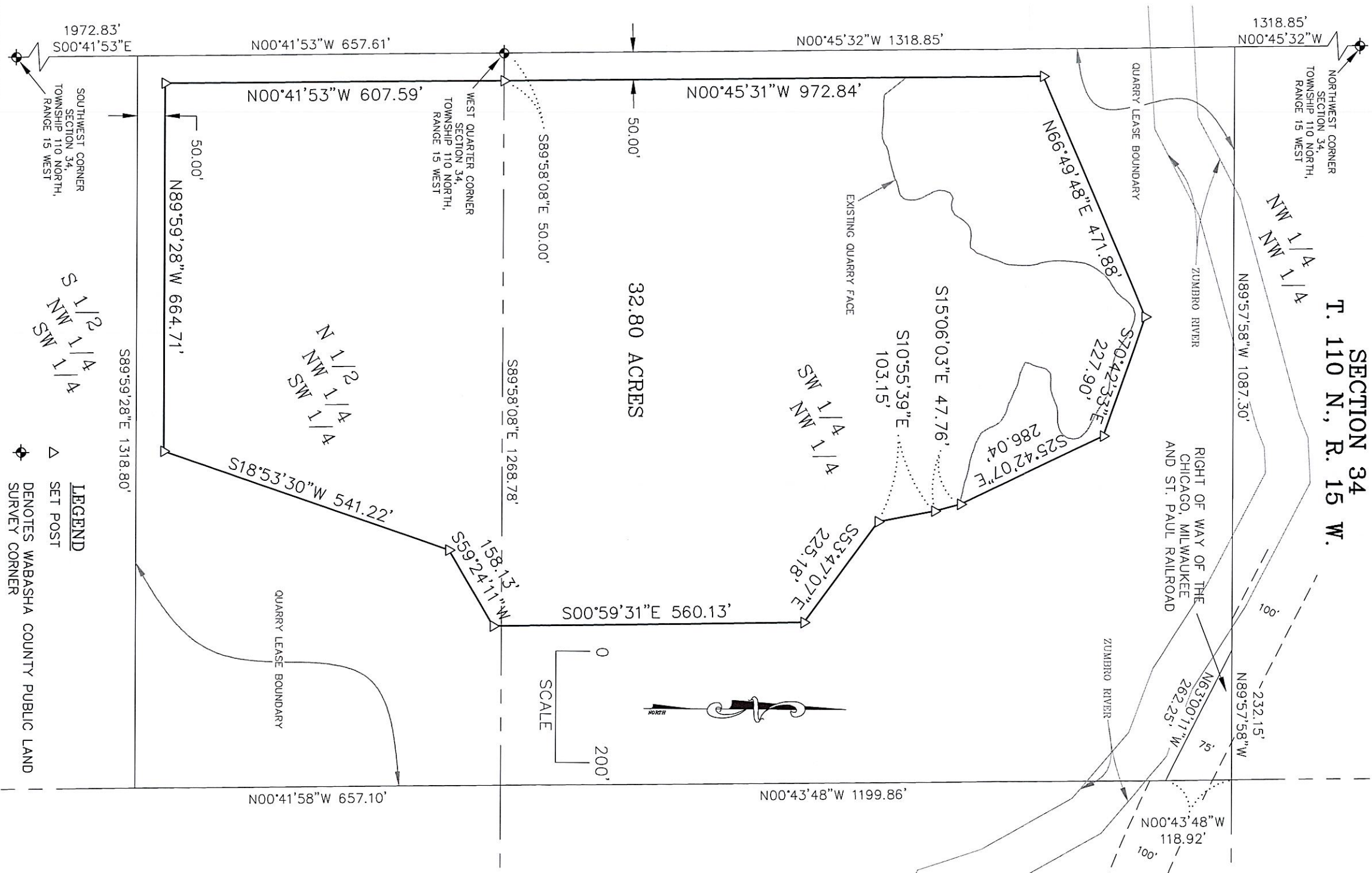
ZUMBROTA TOWNSHIP
GOODHUE COUNTY

KYLLO QUARRY
MAP A-EXISTING SITE CONDITIONS

NOTE: IMAGE FROM US GOODHUE COUNTY GIS SERVICES

SHEET 1
OF 7 SHEETS

SECTION 34
T. 110 N., R. 15 W.



QUARRY BOUNDARY DESCRIPTION:

That part of the Southwest Quarter of the Northwest Quarter and that part of the North Half of the Northwest Quarter of the Southwest Quarter, all in Section 34, Township 110 North, Range 15 West, Wabasha County, Minnesota, described as follows:

Commencing at the southwest corner of said Southwest Quarter of the Northwest Quarter; thence on an assumed bearing of South 89°58'08" East, along the south line of said Southwest Quarter of the Northwest Quarter, 50.00 feet to the point of beginning; thence North 00°45'31" West, along a line 50.00 feet easterly of and parallel with the west line of said Southwest Quarter of the Northwest Quarter, a distance of 972.84 feet; thence North 66°49'48" East 471.88 feet; thence South 70°42'33" East 227.90 feet; thence South 25°42'07" East 286.04 feet; thence South 15°06'03" East 47.76 feet; thence South 10°55'39" East 103.15 feet; thence South 53°47'07" East 225.18 feet; thence South 00°59'31" East 560.13 feet; thence South 59°24'11" West 158.13 feet; thence South 18°53'30" West 541.22 feet to a point 50.00 feet northerly of and parallel with the south line of said North Half of the Northwest Quarter of the Southwest Quarter; thence North 89°59'28" West, along a line 50.00 feet northerly of and parallel with said south line of the North Half of the Northwest Quarter of the Southwest Quarter, a distance of 664.71 feet to a point 50.00 feet easterly of and parallel with the west line of said North Half of the Northwest Quarter of the Southwest Quarter; thence North 00°41'53" West, along a line 50.00 feet easterly of and parallel with the west line of said North Half of the Northwest Quarter of the Southwest Quarter, a distance of 607.59 feet to the point of beginning.

DATE: 3/26/2025

Containing 32.80 acres, more or less.

I HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA

DATE 3/26/2025 REG. NO. 21940

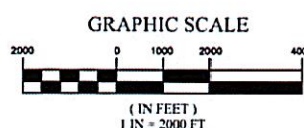
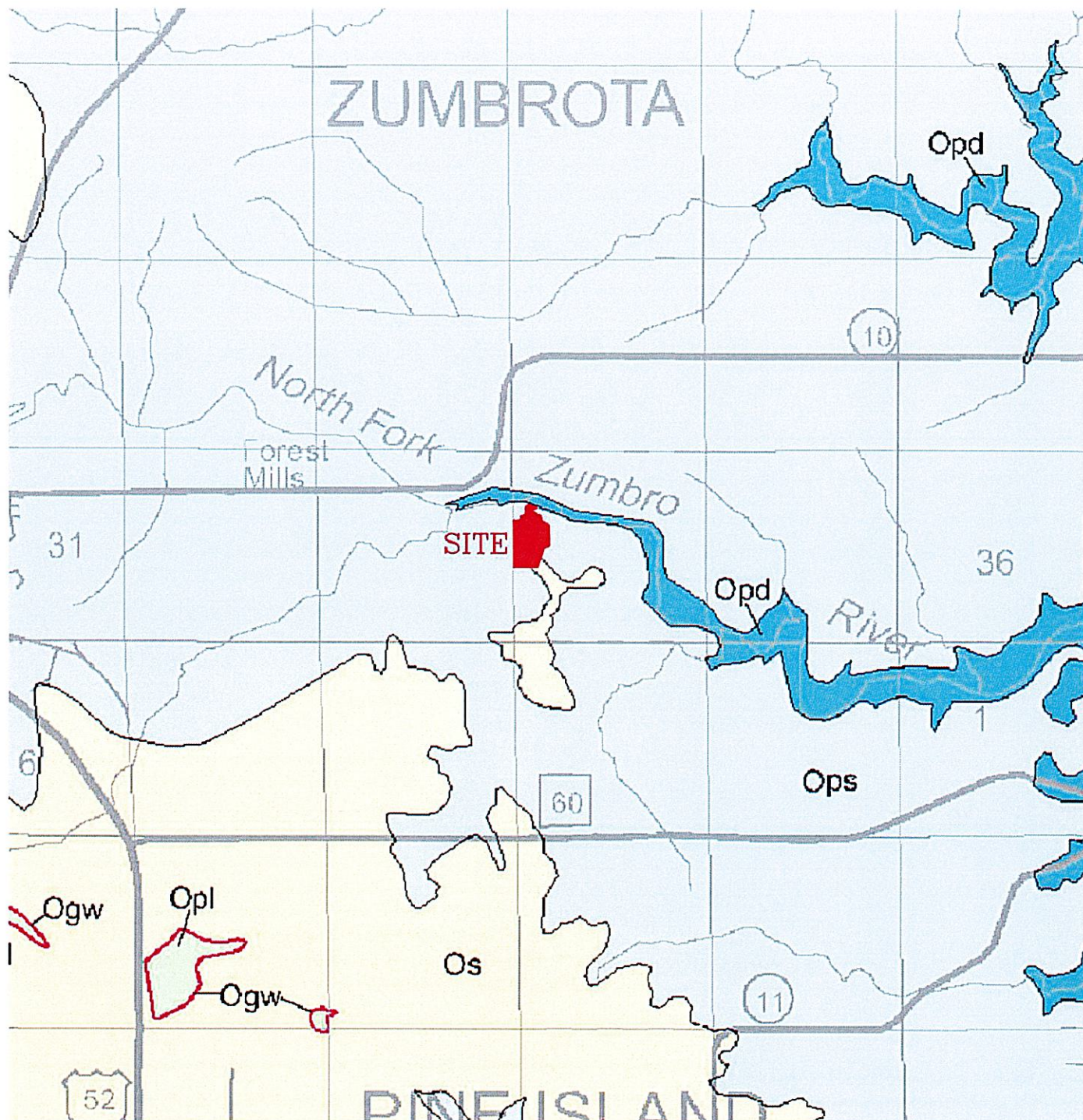
Geoffrey G Griffin

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G-Cubed

14070 Hwy 52 S.E.
Chatfield, MN 55923

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Fax 507-867-1665
www.egg.to

DATE: 9/20/2023	
Prepared For:	
Bruening Rock Products	
900 Montgomery St	
Deercorh,IA 52101	
SHEET 2 OF 7	FILE NO: 23-066



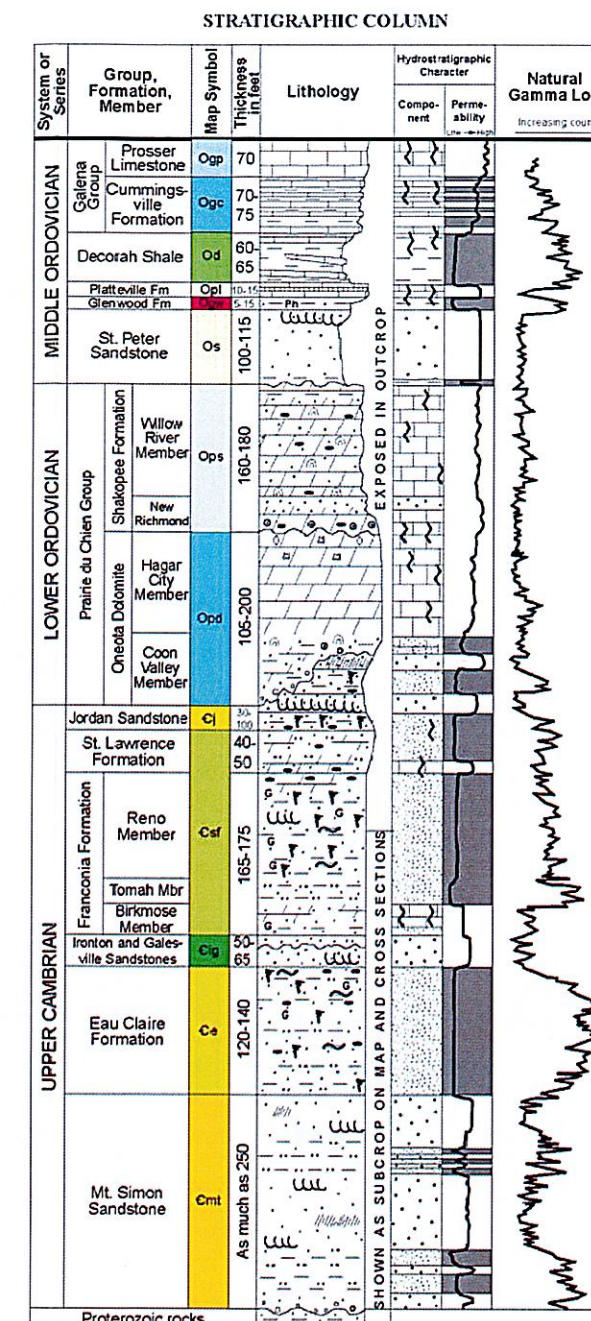
OWNER:
LESLEY KYLLO TRUST
21249 460TH STREET
ZUMBROTA, MN 55992

EXPLANATION FOR STRATIGRAPHIC COLUMN			
LITHOLOGY			
	LIMESTONE		Oolites
	DOLOSTONE		Glauconite
	SANDY DOLOSTONE		Phosphate pellets
	SANDSTONE		Algal domes; stromatolites
	SHALY SANDSTONE		Burrows
	SILTSTONE		Pebbles
	SHALE		Flat-pebble conglomerate
	Vugs (commonly filled with coarse calcite)		Cross-bedded (festoon)
	Breccia; brecciated		Cross-bedded (planar to tangential)
	K-bentonite bed (altered volcanic ash bed)		Hummocky cross-strata
			Dolomitic
			Contact marks a major erosional surface

HYDROSTRATIGRAPHIC CHARACTER	
COMPONENTS	
	Fine clastic (very fine sandstone, siltstone, or shale)
	Shale
	Coarse clastic (quartzose sandstone)
	Carbonate rock
	Mixed carbonate and clastic rocks
	Fracture or solution feature
RELATIVE PERMEABILITY	
	High (aquifer)
	Low (likely confining unit)

Os **St. Peter Sandstone**—Mostly very fine grained to medium-grained, poorly cemented sandstone. Lacks structure or, less commonly, shows subtle cross-stratification, especially in uppermost part. Some intensely burrowed, pale-green shaly intervals. Grain size becomes progressively finer upward in lower half, coarser upward in upper half. A shale bed as thick as one foot in lower three feet of formation extends laterally at least across the northern part of county. Possible unconformity along basal contact. Commonly exposed along steep hill slopes that are held in place by caps of Platteville Formation. Unit thickness, 100–115 feet.

Ops **Shakopee Formation**—160–180 feet thick.
Willow River Member—Thin- to medium-bedded dolostone, sandstone, sandy dolostone, and minor amount of shale. As much as 150 feet thick.
New Richmond Member—Quartzose sandstone as much as eight feet thick overlying intraclastic, oolitic dolostone and sandy dolostone. Basal contact is a disconformity. As much as 50 feet thick.



GEOLOGY:

- o. GEOLOGIC UNIT IS Os — ST. PETER SANDSTONE & OPS — SHAKOPEE FOUNDATION
- p. DEPTH TO BEDROCK IS AT 8'-12'
- q. CONFINING UNITS — NA
- r. FRACTURE PATTERNS AND TRACES — NA
- s. CAVES, JOINTS, FRACTURES, SINKHOLES, STREAM SINKS, AND SPRINGS — NA

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 11/11/2025 REG. NO.: 21940

DATE: 02/24/2025
Prepared For:
BRUENING ROCK PRODUCTS
900 MONTGOMERY STREET
DECORAH, IA 52101
FILE NO.: 23-066

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G-Cubed
14070 Hwy 52 S.E.
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DESIGNED: _____ CMP
DRAWN: _____ CMP
CHECKED: _____ CMP

REVISED	BY	DATE
PRELIMINARY	CMP	02/24/2025

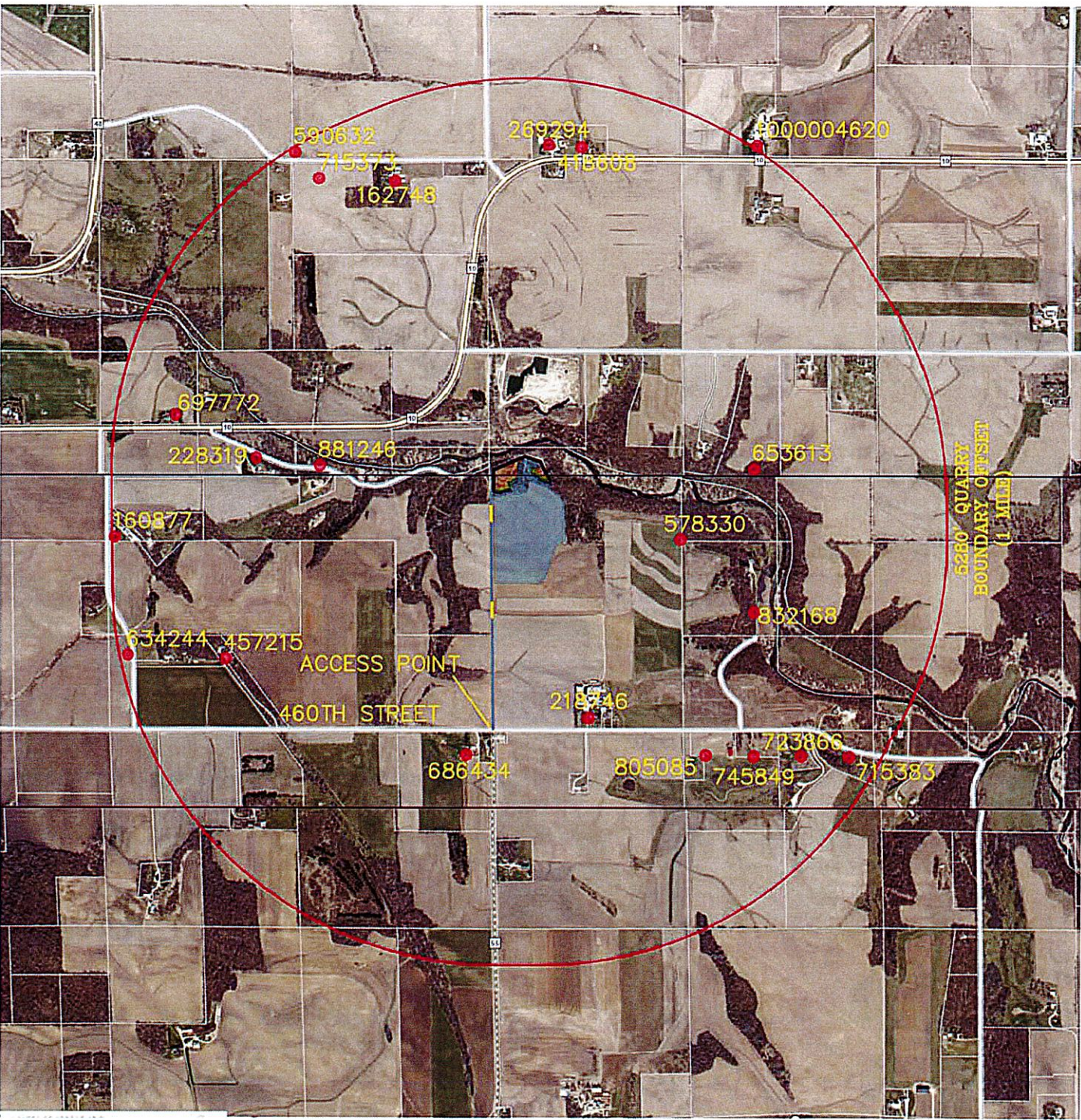
ZUMBROTA TOWNSHIP
GOODHUE COUNTY

KYLLO QUARRY
MAP A—EXISTING SITE CONDITIONS

NOTE: IMAGE FROM US GEOLOGICAL ATLAS OF GOODHUE COUNTY

GEOLOGY

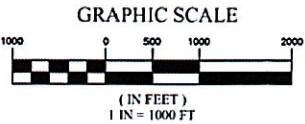
SHEET 3
OF 7 SHEETS



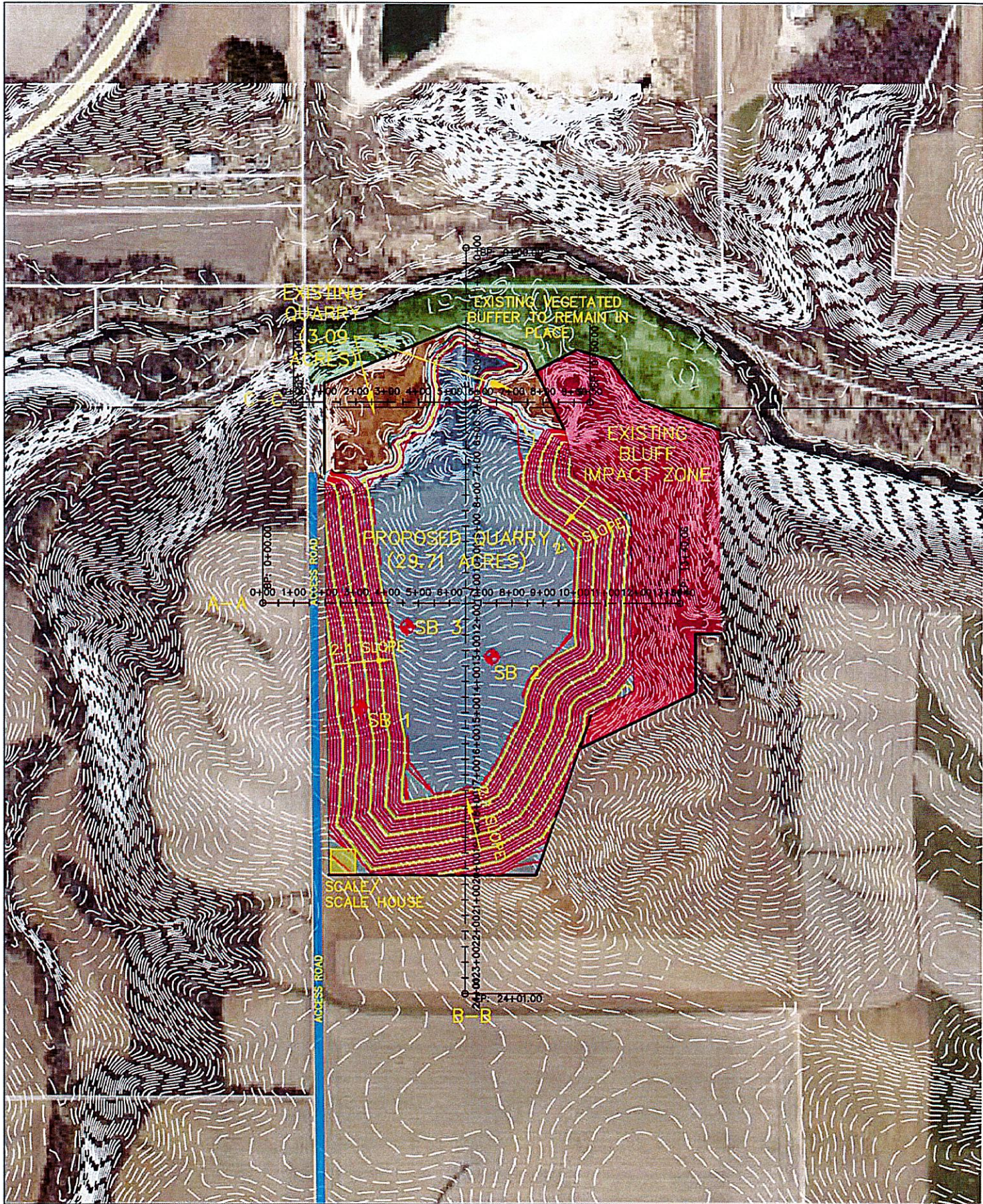
Well ID	Well Name	Address	Township	Range	Section	Well Depth (ft)	Elev. (ft)	Casing Depth (ft)	Casing Dia. (in)
218746	KYLLO, ARLEN	NA	110	15	34	380	1072	320	4
162748	TRI, BOB	NA	110	15	28	360	1082	310	4
160877	ELLINGSON, MELVIN	45494 200TH AV	110	15	33	340	1012	307	4
418608	BUCK, DONNELL	21267 445TH ST	110	15	27	320	1068	285	4
269294	LOHMAN, JAMES	NA	110	15	27	NA	1085	NA	NA
457215	RYAN, RICHARD	20449 460TH ST W	110	15	33	320	1021	305	4
228319	BENITT, LLOYD	NA	110	15	33	140	990	119	4
4620	STILLER, DALE	NA	110	15	27	180	1085	NA	NA
805085	HAUGEN, ORRIN	21304 460TH ST	109	15	3	375	NA	344	4
745849	HOUSE, JEFF	21790 460TH ST	109	15	3	300	NA	275	4
686434	KYLLO, NEIL & WENDY	20950 460TH ST	109	15	4	375	NA	344	4
634244	RAASCH, JIM	45814 200TH AV	110	15	33	380	NA	336	4
832168	CAGE, MATT & DEBRA	45600 216TH AV	110	15	34	280	NA	252	4
578330	ANDERSON, EDWARD	21879 460TH ST	110	15	34	280	NA	245	4
653613	PETERS, DION AND AMANDA	21588 450TH ST	110	15	34	335	NA	300	4
881246	FLOTTERUD, DERIK	20688 453RD ST WA	110	15	33	340	NA	294	4
697772	RING, GARRY	20179 COUNTY 10 BL	110	15	33	320	NA	293	4
715373	MICHEL, SAM & JAN	20648 445TH ST	110	15	28	440	NA	399	4
590632	KAROW, GREG	20950 CTY.10 BL	110	15	28	295	NA	265	4
625813	JENSCH, BILL	20138 445TH ST	110	15	28	415	NA	385	4

ALL WELL INFORMATION IS FROM THE MN DEPARTMENT OF HEALTH COUNTY WELL INDEX

- t. DRAINAGE PATTERNS – SEE CONTOURS SHEET 1
- u. PER GEOLOGIC ATLAS OF GOODHUE COUNTY PLATE 7, THE WATER TABLE DEPTH IS 50’–200’+. THE GROUNDWATER FLOW IS NORTH.
- v. WELLS WITHIN 1 MILE DEPICTED ON SHEET 4 DEPTHS ON CHART.
- w. THERE ARE NO KNOWN SPRINGS WITHIN 600’ OF THE PROPERTY.
- x. THERE ARE NO KNOWN SEPTICS WITHIN 600’ OF THE PROPERTY..
- y. MN DNR DESIGNATED TROUT STREAM SHOWN ON MAP. ZUMBRO RIVER, NORTH FORK (MN DNR TROUT STREAM ID:M-034-049).



OWNER:
LESLEY KYLLO TRUST
21249 460TH STREET
ZUMBROTA, MN 55992



MAP B-PROPOSED OPERATIONS

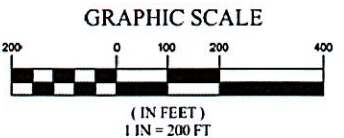
- a. BOUNDARY SURVEYED - SEE SHEET 2
- b. ALL EXISTING VEGETATION SHALL REMAIN UNTIL DISTURBANCE IS REQUIRED FOR THE MINING OPERATION. ALL NON-DISTURBED AREA SHALL REMAIN STABLE FROM EROSION UNTIL THE MINING OPERATION IS PRESENT AT THAT LOCATION. AT WHICH POINT ALL RUNOFF SHALL REMAIN WITHIN THE QUARRY BOUNDARY.
- c. ALL OVERBURDEN SHALL BE PLACED IN STOCKPILE WITHIN THE QUARRY LIMITS. TOPSOIL AND NON-SALEABLE MATERIAL SHALL BE SEEDED WHEN NOT ACTIVE FOR 7 CONSECUTIVE DAYS TO LIMIT EROSION.
- d. A SCALE AND SCALE HOUSE WILL BE CONSTRUCTED.
- e. AREA TO BE MINED APPROXIMATELY 29.71 ACRES. SEE CROSS SECTIONS SHEET 6 FOR MINING DEPTH.
- f. SEE CROSS SECTIONS SHEET 6 FOR OVERBURDEN DEPTHS.
- g. LOCATION OF PROCESSING AREAS WILL OCCUR IN THE WITHIN THE 32.80 ACRE MINING AREA. ALL VEHICLES WILL BE PARKED WITHIN THE QUARRY BOUNDARY. THESE TASKS ARE NOT STATIONARY AND WILL BE MOVED AS MINING MOVES ACROSS THE SITE.
- h. STORAGE OF MINED MATERIALS WILL ALL OCCUR WITHIN THE 32.80 ACRE MINING AREA. MATERIAL STOCK PILES WILL BE STORED ON THE ON THE QUARRY FLOOR AND WILL HAVE A MAXIMUM HEIGHT OF 35 FEET. THEY WILL MOVE THROUGHOUT THE QUARRY AS THE PROCESS MOVES.
- i. ALL VEHICLES SHALL BE PARKED WITHIN THE 29.71 ACRE QUARRY. TYPICALLY ALONG THE ACCESS ROAD BUT MAY MOVE THROUGHOUT AS OPERATIONS REQUIRE.
- j. EXPLOSIVES WILL NOT BE STORED ON-SITE.
- k. FUEL WILL NOT BE STORED ON-SITE.
- l. ALL DRAINAGE WILL BE INWARD. DISTURBED SLOPES NOT IN ACTIVE MINING FOR LONGER THAN 7 DAYS WILL BE SEEDED TO PREVENT EROSION.
- m. THE QUARRY ITSELF WILL ACT AS A WATER INFILTRATIONS BASIN. ALL DRAINAGE WITHIN THE QUARRY WILL FLOW TO THE QUARRY LOW POINT. ANY OVERFLOW ABOVE THE 100 YEAR FLOOD WOULD BE TO THE NORTH.
- n. ALL DRAINAGE IS WITHIN THE QUARRY. SEE PROPOSED CONTOURS SHEET 5.
- o. THE EXISTING ACCESS ROAD WILL BE UTILIZED.
- p. THERE WILL BE NO ADDITIONAL PROPOSED ROAD ACCESS POINTS.
- q. MATERIAL FROM THIS SITE WILL BE USED IN MULTIPLE CONSTRUCTION PROJECTS THROUGHOUT SE MINNESOTA. TRUCKS HAULING FROM THE SITE SHALL FOLLOW WEIGHT LIMITS ON ROADS LEAVING THE SITE AND TO THE FINAL DESTINATION.

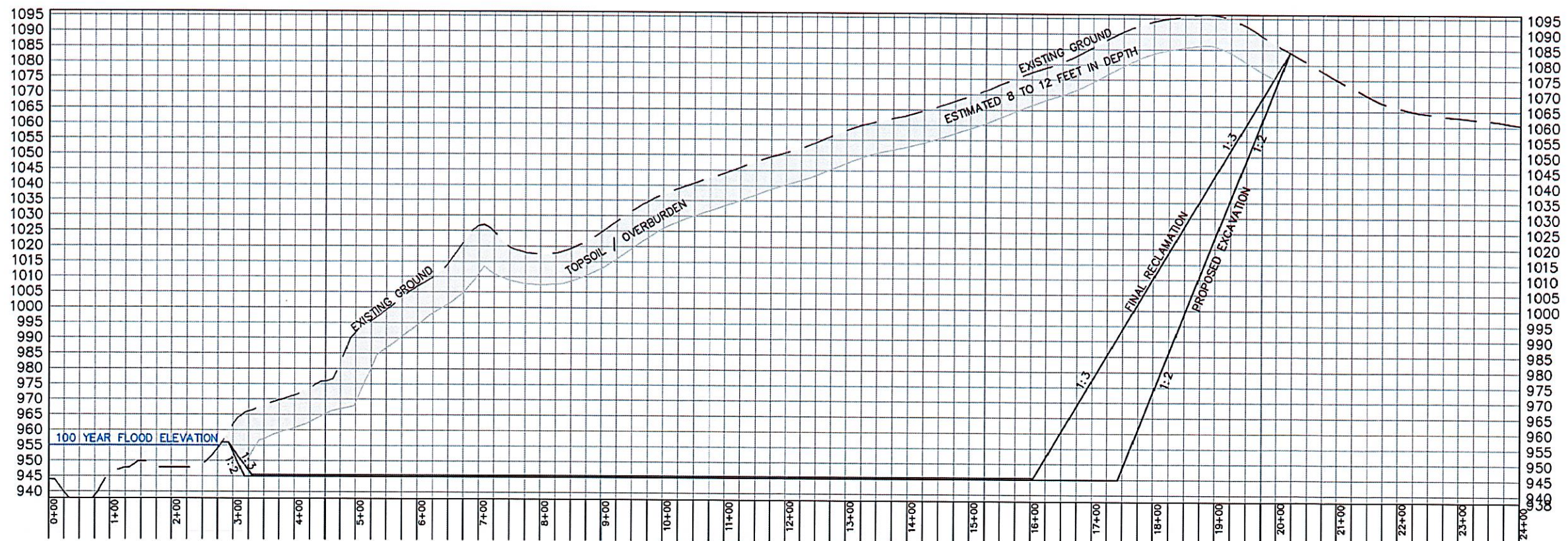
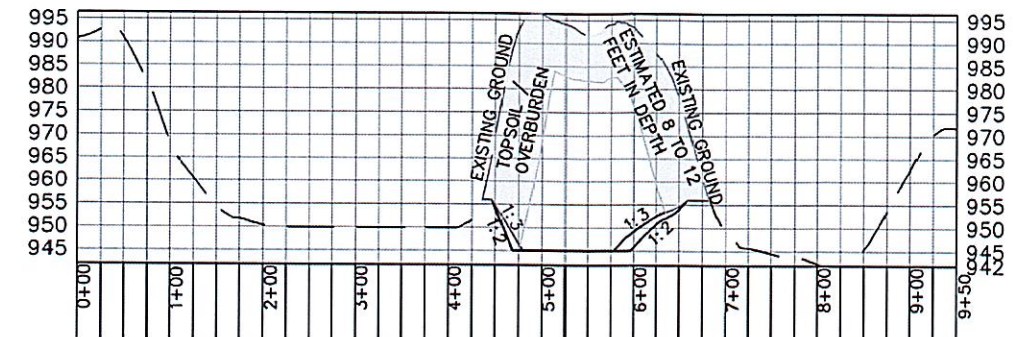
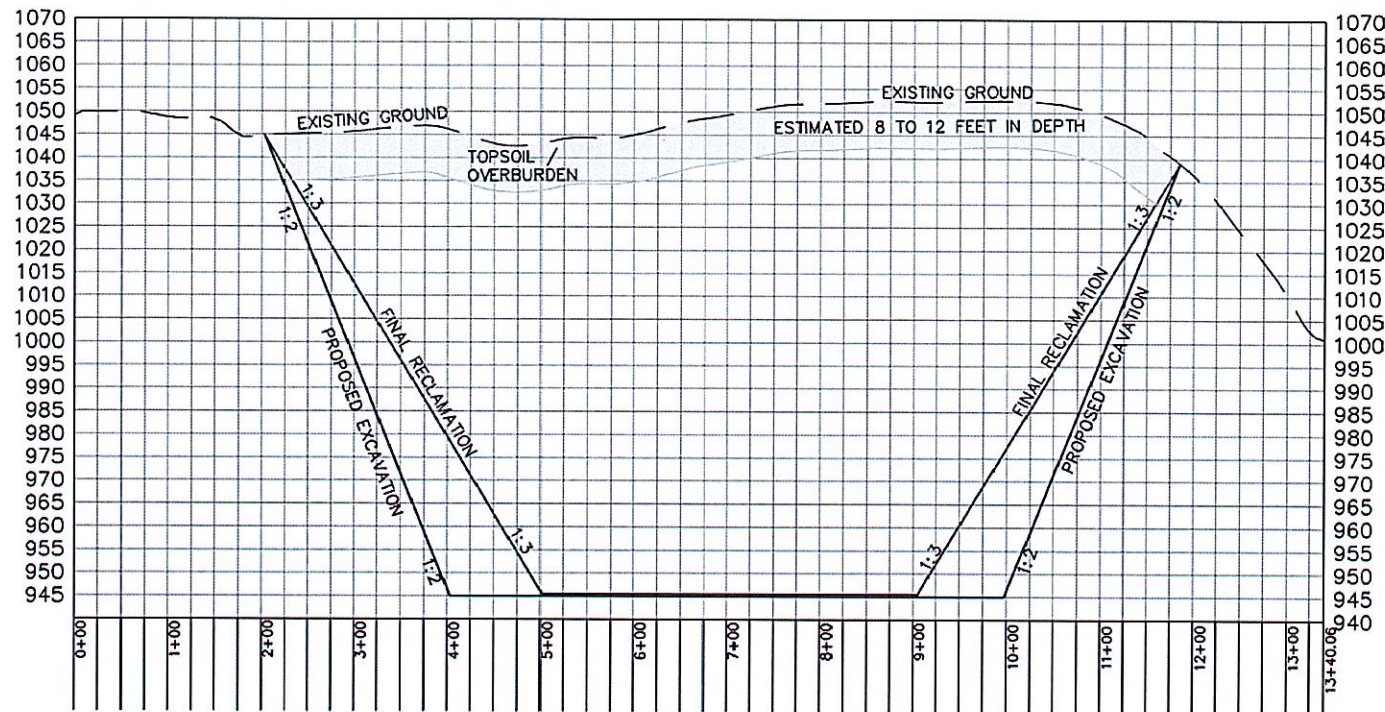
PROJECT PHASING - SECTION 6M
THIS PROJECT IS LESS THAN 40 ACRES AND WILL BE COMPLETED IN 1 PHASE. THE MINING OPERATION SHALL BEGIN WITH STRIPPING TOPSOIL AND PLACING IT IN THE PERIMETER BERMS AS PROPOSED ON MAP B. THE EXCAVATION OF THE AGGREGATE WILL BEGIN AT THE EXISTING QUARRY AND CONTINUE WESTERLY UNTIL ALL THE MARKETABLE MATERIAL IS EXTRACTED. RECLAMATION WILL COMMENCE UPON COMPLETION OF THE MINING PROCESS.

WEED CONTROL - SECTION 6N
THE OPERATOR WILL MOW VEGETATION WITHIN THE QUARRY TO CONTROL WEEDS AND MAINTAIN A REASONABLE APPEARANCE OF THE SITE.

WASTE DISPOSAL - SECTION 6O
ALL WASTE GENERATED FROM THE MINING OPERATION SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND COUNTY REQUIREMENTS.

OWNER:
LESLEY KYLLO TRUST
21249 460TH STREET
ZUMBROTA, MN 55992





I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 2/2/25 REG. NO. 21840

DATE: 02/24/2025
Prepared For:
BRUENING ROCK PRODUCTS
900 MONTGOMERY STREET
DECORAH, IA 52101
FILE NO.: 23-066

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G-Cubed
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REVISED	BY	DATE
PRELIMINARY	CMP	02/24/2025

ZUMBROTA TOWNSHIP
GOODHUE COUNTY

KYLLO QUARRY
MAP B - PROPOSED OPERATIONS

NOTE: IMAGE FROM US GOODHUE COUNTY GIS SERVICES

CROSS-SECTIONS

SHEET 6
OF 7 SHEETS

