

COMMITTEE OF THE WHOLE MEETING AGENDA

Tuesday, April 23, 2024

Starting at 6:15 p.m. or immediately following the 6:00 p.m.

Village Board meeting, whichever is later

Caledonia Village Hall - 5043 Chester Lane

1. **Meeting called to order**
2. **Roll Call**
3. **Approval of Minutes** – Committee of the Whole: 04/9/2024
4. **Public Comment** - Provides a two-minute opportunity for citizens to voice opinions to the Committee of the Whole. The Committee of the Whole cannot respond as this may conflict with open meeting requirements.
5. **New Business**
 - A. Fire Department Operations Overview Presentation (*CoW 4/9/24*)
 - B. Payne & Dolan – Racine Quarry - Explosives and Blasting Permit renewal and review
 - C. Discussion on changing address from Racine to Caledonia (*CC 4/17/24*)
 - D. Discussion on dates for the Public Safety Facility open house
6. **Continuing Business**
 - A. Discussion on sale methods for sale of former Fire Station #12, Douglas Ave. (*CoW 10/24/23*)
 - B. Discussion on creating commercial property development forms (*CC 3/12/24, 2-0, CoW 3/26/24 postponed, CoW 4/9/24 postponed*)
 - C. Discussion on creating residential property development forms (*CC 3/12/24, 2-0, CoW 3/26/24 postponed, CoW 4/9/24 postponed*)
 - D. Discussion on flow chart development for permitting/approvals (*CC 3/12/24, 2-0, CoW 3/26/24 postponed, CoW 4/9/24 postponed*)
7. **Closed Session Items:**
 - A. The Village Board will take up a motion to go into CLOSED SESSION, pursuant to Wis. Stat. S. 19.85(1)(c), considering employment, promotion, compensation or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility, specifically to discuss the position of Village Administrator.
 - B. The Village Board reserves the right to go back into OPEN SESSION, and possibly take action on the items discussed during the closed session and to move to the remaining items on the agenda.
8. **Adjournment**

**Committee of the Whole Meeting
April 9, 2024**

1 - Order

President Weatherston called the Committee of the Whole meeting to order at 7:45 p.m. at the Caledonia Village Hall.

2 – Roll Call

PRESENT: 7 – President Weatherston, Trustee Lambrecht, Trustee Martin, Trustee Pierce, and Trustee Wishau

EXCUSED: 2 – Trustee Stillman, Trustee McManus

STAFF: Administrator Kathryn Kasper, Clerk Jennifer Olsen, Finance Director Wayne Krueger, Development Director Peter Wagner, Police Chief Christopher Botsch, Fire Chief Jeff Henningfeld, Village Attorney/HR Manager Tyler Helsel and Village Attorney Elaine Ekes.

3 – Approval of Minutes

A motion was made by Trustee Martin to approve the Committee of the Whole minutes of 03/26/24, seconded by Trustee Lambrecht . The motion carried 5-0.

4 – Public Comment

The following people appeared to speak before the Committee:

None

5 – New Business

A. Liquor and Tobacco License ordinance changes; Reference: Title 7, Ch. 2 Fermented Malt Beverages and Intoxicating Liquor and Title 7, Ch. 3 Cigarette License; Soda Water Beverage License

Staff presented on the item, summarizing the material provided in the packet.

A motion was made by Trustee Martin to move the item to the Village Board, seconded by Trustee Pierce. The motion carried 5-0.

B. Committee Liaison reports (RCICC & Real Racine)

Trustees presented reports from the RCICC and Real Racine.

C. River Bend Lift Station Pump Replacement Sole Source (*Utility District Commission 3/6/2024*)

A motion was made by Trustee Wishau to move the item to the Village Board, seconded by Trustee Martin. The motion carried 5-0.

D. Suggested items to be placed on the next meeting agenda (With No Action)

1. Fire Department Consolidation with South Shore if there is something to report
2. Fire department presentation at next CoW meeting

6 – Continuing Business

- A. Continuing Discussion regarding livestock fencing requirements and animals running at large; Reference: Title 7, Ch. 1 Animal control and Title 11, Ch. 6 Nuisances (CoW 1/23/24 direct staff to review, CoW 2/13/24 postponed, CoW 2/27/24 postponed, CoW 2/27/24 directed staff to review, CoW 3/12/24 directed staff to continue review, CoW 3/26/24 postponed until 4/9)**

Staff presented on the item, summarizing the material provided in the packet.

A motion was made by Trustee Martin to move the item to the Village Board, seconded by Trustee Pierce. The motion carried 5-0.

- B. Discussion on creating commercial property development forms (CC 3/12/24, 2-0, CoW 3/26/24 postponed)**

A motion was made by Trustee Wishau to postpone the item until the next meeting, seconded by Trustee Martin. The motion carried 5-0.

- C. Discussion on creating residential property development forms (CC 3/12/24, 2-0, CoW 3/26/24 postponed)**

A motion was made by Trustee Wishau to postpone the item until the next meeting, seconded by Trustee Martin. The motion carried 5-0.

- D. Discussion on flow chart development for permitting/approvals (CC 3/12/24, 2-0, CoW 3/26/24 postponed)**

A motion was made by Trustee Wishau to postpone the item until the next meeting, seconded by Trustee Martin. The motion carried 5-0.

- E. Discussion on removing the sign at Highways 31 and 32 (CC 3/12/24 recommend removal, 2-0, CoW 3/26/24 postponed)**

Staff reported that the property owner would like to keep the sign, but the Village may pay to update or repair the sign. Staff was directed to get a repair quote and report back to CoW.

7. Adjournment

President Weatherston adjourned the meeting at 7:49 p.m.

Respectfully submitted:

*Jennifer Olsen
Village Clerk*

MEMORANDUM

Date: April 17, 2024

To: Committee of the Whole
Village Board

From: Ryan Schmidt, P.E.
Village Engineer

Re: **Payne & Dolan – Racine Quarry – Explosives and Blasting Permit**

BACKGROUND INFORMATION

The Village of Caledonia issues and annual Explosives and Blasting Permit for the Payne and Dolan Racine Quarry. The information and the required permit fees for the Permit was submitted by Payne & Dolan on April 15, 2024.

The information for the permit was reviewed by the Engineering Department and appears to be in order. There is one expired license as of the application date and two that will expire during the permit period that will need to be updated at those times. An updated Blaster List is required to be submitted for the Village Board Meeting on May 14th to correct the current expired license and if any modifications are made during the permit period, a new list shall be provided.

Assembly Bill 245 has recently been approved which limits a political subdivision to place limits on quarries, if they are not already in place. It prohibits conditions being added to current permits and operators are still required to meet conditions such as pre-blast notices and complying with blasting regulations. After discussion with Payne & Dolan, the AB 245 should not change anything as is currently established with the Blasting Permit.

This Explosive and Blasting Permit is valid from July 1, 2024, to June 30, 2025. This Explosive and Blasting Permit is hereby recommended for approval at the April 23rd Committee of the Whole meeting and the May 14th Village Board Meeting.

RECOMMENDATION

Move to approve the Explosive and Blasting Permit for Payne & Dolan, Inc. – Racine Quarry subject to the following:

- 1. An updated Licensed Blaster List for the Racine Quarry is submitted to the Village as licenses are renewed or staff are added so a current list is on file at the Village Hall.**

April 15th, 2024

Mr. Ryan Schmidt
Village of Caledonia
5043 Chester Lane
Caledonia, WI 53402

RE: Explosives Use Permit – Racine Quarry

Dear Mr. Schmidt:

In accordance with the Village of Caledonia's Code of Ordinances, Title 7, Chapter 10, Explosives and Blasting, Payne+Dolan respectively submits this application for renewal of the explosive use permit for our Racine Quarry located at 1501 Three Mile Road in the Village of Caledonia.


Concurrent with this application, Payne+Dolan will notify in writing all village residents or owners located within the scaled distance area in order that they may request a pre-blast survey as allowed by the above ordinance.

The following documents are enclosed and submitted in support of our application:

1. Permit fee of \$500.00 (Submitted via wire transfer on March 22nd, 2024)
2. Blasting procedures and types of explosive
3. Legal description of explosives use area
4. Scale distance calculations
5. Licensed blasters to be employed at the quarry
6. Explosives Use Permit Map
7. Copy of letter sent to residents or owners regarding the pre-blast survey
8. List of residents or owners notified
9. Copy of Performance Bond in the amount of \$50,000.00
10. Aerial photograph, scaling 1 inch = 200 feet with a 50' x 50' grid showing the permitted use area and the surrounding area within 500 feet

Thank you for your time and effort in this request. We appreciate the opportunity to work in your community. If you have any questions and/or need additional information, please do not hesitate to contact me at (262) 524-1258 or cweningen@walbecgroup.com

Sincerely,


Payne+Dolan, Inc.

Clint Weninger, P.G.
Land Resources Manager

Explosives Use

Blasting Designs: • Generally, there are seven different blasting designs that could be used at the Payne & Dolan Racine Quarry. The specific blast design used varies with the blast location, rock formation and/or face height being blasted. All standard blast designs can be described as one of the seven following types:

Type 1: Production shot, 3-1/2" hole, no deck

Type 2: Production shot, 3-1/2" hole, single deck

Type 3: Production shot, 4" hole, no deck

Type 4: Production shot, 4" hole, single deck

Type 4: Production shot, 3" hole, no deck

Type 5: Production shot, 3" hole, single deck

Type 6: Production shot, 3" hole, double deck

Variations on these methods are occasionally used when development is taking place.

Explosives Supplier: Different manufacturers according to cost, efficiency, and availability may supply explosives used in the quarry. The emulsion based blasting agent is supplied by Quick Supply, and is the current standard blasting agent supplier in use at the Racine Quarry. Payne & Dolan, in following normal operating procedures, does intend to seek improvements in blast performance by the introduction of new and/or different explosive products as available. No dynamite products are used at the Racine Quarry.

Blasting Systems: An electronic blasting system is the form of blasting technique in use:

Quick Supply: The Digital Control System previously used has been replaced by the new and improved Electronic System which enables previously unobtainable levels of blasting control through its precision timing and flexibility. Delay periods can vary between 0-15,000 milliseconds, with a 1 millisecond increment according to the attached Standard Blast Designs. Electronic blasting system will allow us to be safer, environmental sound, and neighbor friendly.

Note: See "Standard Blast Designs" for additional details on the seven standard blast designs.

Standard Blast Design

Racine Quarry
 Village of Caledonia
 Racine County

Please Note:
 Depending upon distance, decks
 can be added or removed to reduce
 pounds/delay. All Main Charges are
 Emulsion. Timing between Holes &
 Rows are done electronically,
 measuring between 1 & 500 ms.

1	Stem	1 lb Booster *	1 lb Booster *	3.5 25-40 4-6 0 1/2 Wet	1 or 3/4	70-100 1-7	180 @ 1000'	
2	Stem	1 lb Booster *	Stem	3.5 20-60 4-6 1 1/2 Wet	1 or 3/4	70-100 1-7	180 @ 1000'	
3	Stem		1 lb Booster *	4 20-60 4-6 0 1/2 Wet	1 or 3/4	70-100 1-7	180 @ 1000'	
4	Stem	1 lb Booster *	Deck	4 20-60 4-6 1 1/2 Wet	1 or 3/4	70-100 1-7	180 @ 1000'	
5	Stem		1 lb Booster *	3 25-40 4-6 0 1/2 Wet	1 or 3/4	70-100 1-7	180 @ 1000'	
6	Stem	1 lb Booster *	Stem	3 20-60 4-6 1 1/2 Wet	1 or 3/4	70-100 1-7	180 @ 1000'	
7	Stem	1 lb Booster *	Stemming Deck	1 lb Booster *	Stemming Deck	1 lb Booster *	3 25-85 4-6 2 1/2 Wet	180 @ 1000'

Standard Hole Charge

Hole Diameter (inches)	
Hole Depth (feet)	
Stemming (feet)	
No. Decks	
Hold Condition (wet/dry)	

Explosive Type:

1. Bottom Load Booster (lbs)

Shot Layout

No. Holes	
No. Rows	
Max. LB/Delay:	

Explosives Use Area

Property Description – East Quarry

That portion of the SE ¼ of Section 29 and SW ¼ of Section 28, T4N-R23E, Village of Caledonia, Racine County, Wisconsin described as follows:

Commencing at the section corner common to Sections 29, 28, 32 and 33 of said T4N-R23E; thence N 39°43'33" W 42.92 feet to the intersection of the North right-of-way line of Three Mile Road and West right-of-way line of Vacated Charles Street, said intersection is the point of beginning of this description; thence, along said North right-of-way line, S 89°59'14" W 1096.15 feet; thence, continuing along said North right-of-way line, N 00°00'46" E 17.01 feet; thence, continuing along said North right-of-way line, N 89°59'18" W 394.00 feet to the easterly right-of-way line of Douglas Avenue; thence, along said easterly right-of-way line, N 44°25'45" W 113.67 feet; thence, continuing along said easterly right-of-way line, N 06°00'00" W 390.35 feet; thence, continuing along said easterly right-of-way line, on the arc of a 956.71 foot radius curve, concave to the southwest, the chord of which bears N 12°39'26" W 221.82 feet; thence, continuing along said easterly right-of-way line, N 19°30'13" W 313.94 feet; thence, continuing along said easterly right-of-way line, N 18°10'08" W 393.39 feet; thence N 40°23'05" E 162.93 feet; thence N 71°49'52" E 8.18 feet; thence N 18°10'08" W 221.10 feet; thence S 71°49'52" W 147.18 feet to said easterly right-of-way line of Douglas Avenue; thence, along said easterly right-of-way line, N 18°10'08" W 200.52 feet; thence S 89°45'06" E 1561.64 feet; thence N 01°17'40" E 462.90 feet; thence S 89°45'06" E 376.77 feet; thence on the arc of a 748.00 foot radius curve, concave to the northeast, the chord of which bears S 50°49'46" E 703.26 feet; thence on the arc of a 272.00 foot radius curve, concave to the southwest, the chord of which bears S 38°48'34" E 350.11 feet; thence S 01°15'02" W 1393.61 feet; thence N 89°50'28" W 634.97 feet to said West right-of-way line of Vacated Charles Street; thence, along said Vacated right-of-way line, S 01°00'35" W 200.09 feet to the point of beginning.

Property Description – West Quarry

That portion of the SW $\frac{1}{4}$ and the SE $\frac{1}{4}$ of Section 29, T4N-R23E, Village of Caledonia, Racine County, Wisconsin described as follows:

Commencing at the $\frac{1}{4}$ section corner common to Sections 29 and 32 of said T4N-R23E; thence, along the North-South $\frac{1}{4}$ line of said Section 29, N 01°04'36" E 33.01 feet to the North right-of-way line of Three Mile Road and the point of beginning of this description; thence, along said North right-of-way line, S 89°57'20" W 1545.62 feet; thence N 00°44'40" E 407.00 feet; thence S 89°57'20" W 205.06 feet; thence N 00°44'40" E 1002.47 feet; thence S 89°54'57" E 472.03 feet; thence N 00°44'40" E 553.04 feet; thence S 89°54'57" E 910.70 feet, to the westerly right-of-way line of the Union Pacific Railroad; thence, along said westerly right-of-way line, S 19°48'26" E 1655.87 feet; thence, continuing along said westerly right-of-way line, on the arc of a 5729.58 foot radius curve, concave to the southwest, the chord of which bears S 17°42'05" E 421.06 feet, to said North right-of-way line of Three Mile Road; thence, along said North right-of-way line, N 89°59'14" W 346.68 feet to the point of beginning.

Scale Distance Calculation

In accordance with Regulation 3 (D) (2) (d) (v), a scale distance factor of 100 has been used to determine the area of pre-blast notification. There is no change to the maximum charge used at the explosives use boundary from previous renewals.

Larger charges may be used inside the explosives use boundary, however, the charge per delay and scale distance notification radius relationship will not exceed that of the max charge listed at the perimeter of each pit. For example, a charge of 125 lbs/delay could be used at 330 ft inside of the East Pit Explosives Use Boundary and be equivalent to the max of 62 lbs/delay at the explosives use boundary. (See Map 1)

The distances from the explosives use boundary for pre-blast notification were calculated as follows:

$$\text{Notification Radius (ft)} = \text{Scale Distance} \times \sqrt{\text{Max Charge at Perimeter} \left(\frac{\text{lbs}}{\text{delay}} \right)}$$

East Quarry Blasting

Max Charge at Explosives Use Boundary = 62 lbs/delay

$$\text{Notification Radius (ft)} = 100 \times \sqrt{62 \frac{\text{lbs}}{\text{delay}}}$$

Notification Radius = 788 ft

West Quarry Blasting

Max Charge at Explosives Use Boundary = 82 lbs/delay

$$\text{Notification Radius (ft)} = 100 \times \sqrt{82 \frac{\text{lbs}}{\text{delay}}}$$

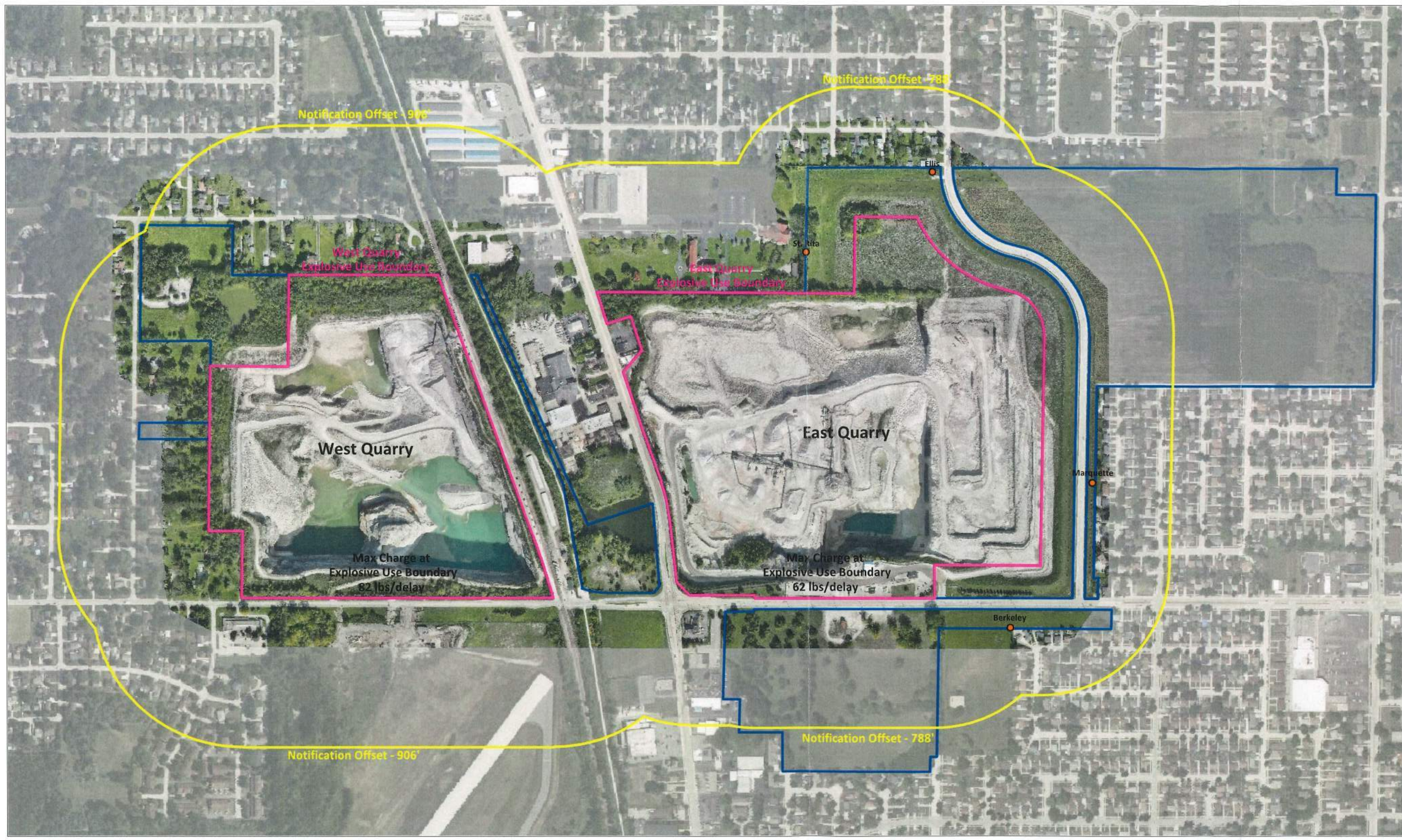
Notification Radius = 906 ft

Licensed Blasters

<u>Quick Supply Company</u>	<u>WI License #</u>	<u>Class</u>	<u>Expiration Date</u>
Thomas James Burke	1066454	5	4/3/2024
John Henry Sites	1056449	5	8/27/2027
Terry Gene Johnson	247772	7	2/22/2026
Gregorick Randall Johnson	1338104	5	1/26/2028
Robert McCollum	1522050	5	3/3/2025
Nicholas Rohloff	1286615	6	8/8/2026
Cory Fuss	844729	5	5/21/2025
Elias D Amundson-Minot	1543971	5	4/21/2026
Dustin Boerst	1043548	5&6	3/13/2027

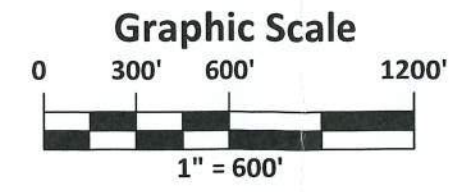
<u>Payne & Dolan</u>	<u>WI License #</u>	<u>Class</u>	<u>Expiration Date</u>
Quentin Maxwell	1243501	5	4/4/2025

Note: Additional Wisconsin licensed, minimum Class 5, blasters may be added or removed during the year.



LEGEND

- Property Boundary
- Explosives Use Boundary
- Current Permanent Seismograph Location
- Notification Radius
- Production Blasting Boundary



Explosives Use - Notification Radius

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Aerial Imagery Obtained from Racine County GIS
Aerial Date - Fall 2023

Date: 4/8/2024 Site #: 80360 Drawn By: BLB



1

SHEET 1 OF 1



- LEGEND**
- Property Boundary
 - Explosives Use Boundary
 - 50ft x 50ft Grid
 - 500' Explosives Use Offset

