

CITY OF FRANKLIN  
QUARRY MONITORING COMMITTEE\*  
MEETING AGENDA

Franklin City Hall, **Council Chambers**  
9229 West Loomis Road, Franklin, Wisconsin 53132  
Thursday, March 25, 2021, 6:00 p.m.

- I. Call to Order, Roll Call and Pledge of Allegiance
- II. Approval of Minutes
  - a. Regular meeting of December 17, 2020.
- III. Citizen Comment Period  
PLEASE NOTE: Due to the anticipated number of citizens who may attend, each speaker may need to be limited to three minutes, allowing everyone who wishes the opportunity to speak.
- IV. Hearings
- V. Business (Action may be taken on any item)
  - a. Welcome new member Jon TenHaken.
  - b. Quarterly presentation by Stantec Consulting Services, Inc. (4<sup>th</sup> quarter of calendar year 2020).
  - c. Review and discussion on matters pertaining to citizen complaints, blasting data from Payne & Dolan and Stantec (the City's consultant).
  - d. Annual aerial photographs (2020).
  - e. Annual reclamation report (2020).
  - f. Reclamation Plan update; including previous Committee and Common Council actions.
- VI. Schedule Next Meeting
- VII. Adjournment

*\* Notice is given that a majority of the Common Council may attend this meeting to gather information about an agenda item over which the Common Council has decision-making responsibility. This may constitute a meeting of the Common Council per State ex rel. Badke v. Greendale Village Board, even though the Common Council will not take formal action at this meeting.*

*Notice is further given that upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information, please contact the Franklin City Clerk's office at (414) 425-7500.*

**City of Franklin**  
**Quarry Monitoring Committee Meeting**  
**Hearing Room, Franklin City Hall**  
**6:00 PM**  
**December 17, 2020**  
**Minutes**

unapproved

**I. CALL TO ORDER**

The December 17, 2020, Quarry Monitoring Committee meeting was called to order by Alderwoman Wilhelm at 6:00 p.m. in the Hearing Room at City Hall.

Alderwoman Kristen Wilhelm, Members Fred Knueppel and Dallas Schurg were present by phone. Citizen member Dina Swanson and Principal Planner Régulo Martínez-Montilva were present in the Hearing Room. Alderman Mike Barber was excused. The representatives of the quarry operator Clint Weninger and Derek Novotny as well as consultants Mike Roznowski and Kristen Gunderson-Inden were present by phone.

**II. APPROVAL OF THE MINUTES**

a. Regular meeting of September 24, 2020.

Member Knueppel moved and Alderwoman Wilhelm seconded to approve the minutes as presented. On voice vote, all members voted 'aye'; the vote was 3-0-1, motion carried.

**III. CITIZEN COMMENT PERIOD**

Citizen comment period opened at 6:02 p.m. and closed at 6:02 p.m. No citizen comments.

**IV. HEARINGS**

a. None.

No action needed. None taken.

**V. BUSINESS**

a. Welcome new non-voting member Dina Swanson.

Citizen member Dina Swanson introduced herself to the committee. No action needed, no action taken.

b. Review and discussion on quarry monitoring services scope of work for calendar year 2021 presented by Stantec Consulting Services, Inc.

Mike Roznowski of Stantec Consulting Services presented the scope of work for calendar year 2021. Member Knueppel moved and member Schurg seconded a motion to recommend approval of the quarry monitoring services scope of work for calendar year 2021 as presented. On voice vote, all members voted 'aye'; the vote was 3-0-1, motion carried.

c. Exceptional blast report for the September 15, 2020, blast event.

Principal Planner Martínez noted that this report was presented to the committee at the November 12, 2020, meeting but the complete document was not included in the meeting packet. Member Schurg moved and member Knueppel seconded a motion to accept and place on file the September 15, 2020, exceptional blast report. On voice vote, all members voted 'aye'; the vote was 3-0-1, motion carried.

**VI. SCHEDULE NEXT MEETING**

It was agreed that the next meeting of the Quarry Monitoring Committee would tentatively be on February 25, 2021, based on quorum.

**VII. ADJOURNMENT**

Member Knueppel moved and member Schurg seconded to adjourn the December 17, 2020, Quarry Monitoring Committee meeting at 6:21 p.m. All present voted 'aye'; motion carried.



**Stantec Consulting Services Inc.**  
1165 Scheuring Road  
De Pere, Wisconsin 54115  
Tel: (920) 592-8400  
Fax: (920) 592-8444

V.b.

January 19, 2021

Heath Eddy  
Planner - Department of City Development  
City of Franklin  
9229 W. Loomis Road  
Franklin, Wisconsin 53132  
[HEddy@franklinwi.gov](mailto:HEddy@franklinwi.gov)

**Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary**  
**Period: 4th Quarter 2020**  
**Stantec Project: 193707487**

Dear Mr. Eddy:

The enclosed information summarizes monitoring activities completed during the fourth quarter of 2020 by Stantec Consulting Services Inc. (Stantec) pertaining to the Franklin Aggregates, Inc. quarry (owned by Payne & Dolan, Inc.) located at 6211 W. Rawson Avenue, Franklin, Wisconsin (the Quarry). Stantec was retained by the City of Franklin to conduct a combination of direct observation (visual) monitoring, seismic monitoring of the quarry operations, and evaluation of citizen complaints. Separate description of services and project background are provided in Attachments A and B, respectively. This letter summarizes the results.

### **Direct Observation (Visual) Monitoring**

Copies of completed observation forms are prepared and posted to the project FTP site for review by City representatives. Copies of individual reports are not provided with this summary report.

One observation event was completed during the monitoring period. No noticeable dust or debris was observed on roads surrounding the quarry. The October event was unannounced and thus limited to the perimeter of the quarry, and there were no announced inspections in the fourth quarter that also included visual observations within the quarry.

### **Seismic Monitoring**

As contracted by the City, Stantec provided remote vibration monitoring using two seismographs co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street (VT1 and S1) and 5800 W. Allwood Drive (VT4 and S2). The monitoring provides continuous (24/7) remote monitoring. Payne & Dolan also has monitors at 7526 S. 51st Street (VT2) and southeast of the quarry (VT3). Summaries of blasting data, comparing the Payne & Dolan unit recordings, to the Stantec (Sauls Seismic) unit recordings, were prepared for the for the quarter and are presented in Attachment C. Figure 1 illustrates the locations of the blasts in the first quarter.

Highlights of the seismic data include the following:

- Between October 1 and December 31, 2020, a total of 17 blasting events occurred. A total of 14 (82%) of these blasts were confirmed by the Stantec monitors.
- Per the Planned Development District agreements (PDD), 85% of the quarry's blasts within any calendar year must be below the maximum permissible vibration (of 0.30 inches per second (in/sec), measured at the closest residence or inhabited structure not owned or controlled by the quarry. This is more stringent than State of Wisconsin regulations which require quarry operators to report any ground vibration levels to the Wisconsin Department of Natural Resources that are above 0.75 in/sec.
  - None of the blasting events measured by Payne & Dolan or Stantec had a vibration greater than 0.30 in/sec; thus 100% of the quarry's blasts were below this level.



Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary  
Period: 4Q2020

- Per the PDD, airblast resulting from P&D blasting shall not exceed 123 dB on at least 85% of its blasts within any single calendar year, measured at the residence or inhabited structure closest to the site of the blast which is not owned or controlled by the Operator. Notwithstanding any other provision in this subsection, the Operator shall not exceed the airblast limitation imposed by Wis. Adm. Code, SPS Ch. 307.
  - None of the blasting events measured by Payne & Dolan or Stantec had an air overpressure (AO) greater than 123dB; thus 100% of the quarry's blasts were below this level. This is in conformance with the PDD.
- The corresponding blast data measured by Stantec with the Sauls Seismic monitors closely aligned with the readings at each Payne & Dolan sponsored Vibra-Tech monitors. It should be noted that in addition to the fact the monitors are produced by different manufacturers, there are a variety of variables that can influence actual PPV readings.
- In general, the largest blast readings at each monitor appear to correlate with the proximity of the nearest adjacent blast location.

### **Blast Complaint Evaluation**

A compilation of all complaints received by Stantec for the period October 1 through December 31, 2020 is provided as Attachment C. Note that Attachment C does not provide the actual complainant details (name, address, and phone number) if known; it was decided to have this information remain confidential. The locations of all blasts and complaints are shown on Figure 1. The following highlights the results of the complaint evaluation:

#### **Complaints - General**

- 17 complaints – total (Note: some complaints were for multiple reasons)
- 17 complaints – regarding noise
- 0 complaints – regarding dust
- 0 complaints – miscellaneous
- 17 complaints – regarding vibration

#### **Complaints – Blast Related**

- 17 complaints – corresponding to actual blast events  
(two were from the same address for the same blast event)
- 0 complaints – corresponding to possible blast events
- 0 complaints – not corresponding to actual blast events
- 16 complaints – complainant location identified
  - 13 households that complained once each
  - 2 households that complained two times
  - 1 complaint – no name and address provided (requested confidentiality)

#### **Complaints (non-anonymous; confirmed blast related) - Locations**

- 2 complaints – east of 51<sup>st</sup> Street
- 14 complaints – south of Drexel Avenue
- 0 complaints – west of Root River

Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary  
Period: 4Q2020

### Blast Events

- 17 blast events - during monitoring period 4Q2020 (shot numbers 69 through 85)
- 2 blast events - corresponding to complaints
  - 0 weather: rain
  - 1 weather: partly to mostly cloudy, or cloudy
  - 1 weather: fair or scattered clouds
  - 1 time: prior to 12:00 pm (noon)
  - 1 time: after 12:00 pm
- 1 blast event with five complaints (October 14, 2020)
- 1 blast event with twelve complaints (October 2, 2020, an Exceptional Blast Letter Report was completed for this event)

### Quarry Blast Locations Producing Complaints

- 2 southern area of quarry
- 0 eastern area of quarry
- 0 northeastern area of quarry

Upon review of these results outlined above, on Figure 1, and in Attachment C, the following observations are made:

- Very few, if any, quarry operational complaints are made regarding dust or truck traffic. Most complaints focus on quarry blasting and resulting ground vibrations. There were fewer noise complaints this quarter than the last quarter.
- Most of the complaints (88%) in this quarter originate from residences south of Drexel Avenue.
- All of the complaints were related to two blasts (#69 on October 2 and #71 on October 14). Both blasts occurred in the southern portion of the quarry.
- No complaints came from west of the Root River or East of 51<sup>st</sup> Street.
- Complaints were made on days with varying types of weather (fair or cloudy).
- Due to COVID-19, residents may have been at home more during the day than historically typical.



January 19, 2021

Page 4 of 4

Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary  
Period: 4Q2020

Please feel free to contact Mike Roznowski at 920-278-3200 or [mike.roznowski@stantec.com](mailto:mike.roznowski@stantec.com); or Kristen Gunderson-Inden at 262-643-9156 or [kristen.gunderson-inden@stantec.com](mailto:kristen.gunderson-inden@stantec.com) if you have any questions.

Respectfully,

**STANTEC CONSULTING SERVICES INC.**

A handwritten signature in blue ink, appearing to read 'Kristen Gunderson-Inden'.

Kristen Gunderson-Inden  
Environmental Scientist

A handwritten signature in blue ink, appearing to read 'Michael B. Roznowski'.

Michael B. Roznowski, CHMM  
Senior Principal

Attachments    A - Franklin Quarry Seismic Monitoring Description of Services  
                      B - Franklin Quarry Seismic Monitoring Project Background  
                      C – Summary of Seismic Data – 4th Quarter 2020  
                      Figure 1 - Seismic Monitoring, Blasting, and Complaint Locations, 4th Quarter 2020

# **ATTACHMENT A**

## **FRANKLIN QUARRY SEISMIC MONITORING DESCRIPTION OF SERVICES**

## **DESCRIPTION OF SERVICES**

### **Direct Observation (Visual) Monitoring**

During 2020, Stantec will conduct a total of ten (10) qualitative site visits at the quarry to observe and document whether the site was compliant with operational parameters defined in the existing Planned Development District (PDD) agreements, and to evaluate whether the quarry's general operations are consistent with best management practices employed by other similar quarries. Site visits are a combination of announced and unannounced, but all are conducted during normal business hours. The days of the week and times of the day for the visits vary. The observations will be completed between April and October, when quarry operations are occurring, and airborne dust is more likely. Qualitative data to be collected includes the following:

- Visual observation of all aspects of the mining operation, including but not limited to:
  - Trucking operations, in particular pertaining to dust issues along Rawson Avenue
  - Operational issues that may affect local citizens in some form of adverse off-site impact
- Direct air quality observations, including:
  - General site and surrounding visual air quality, including opacity, in particular along Rawson Avenue
  - Dust control measures and issues on-site that may affect off-site receptors
  - Dust control issues directly adjacent off-site
  - Any other dust issues that may affect local citizens
- Quarry operations review (for announced visits), including:
  - Review of quarry records pertaining to dust control measures and recordkeeping, ensuring that the operator is following standard protocol to minimize off-site impacts, and evaluating how well and how quickly they respond to potential of actual off-site impact situations
  - Comparison of records to stated performance objectives and respective PDD compliance, only as they pertain to dust in general, and along Rawson Avenue in particular

The findings of each visit will be documented on a standard form previously approved by the City. The form will be filled out by hand during each site visit, and then scanned/posted to a project file transfer protocol (FTP) site for review by City representatives. Stantec also will obtain photos to document site or directly adjacent off-site conditions, and short-duration video clips (e.g., showing dust impacts). These photos and videos are also uploaded to the project FTP site.

In addition to the observations and record review, Stantec also will obtain and document on the inspection forms local meteorological conditions that were relevant to the observations (e.g., temperature, wind speed, wind direction, humidity, and precipitation).

Stantec also will notify the City Planning Manager of any condition (pertaining to air or dust monitoring, or other PDD condition) that we become aware of that exceeds the allowances outlined in the PDD. This communication will be completed prior to noon the business day following the day we become aware of any such event.

### **Seismic Monitoring**

Stantec provides remote vibration monitoring by using Nomis Seismographs. Sauls Seismic is subcontracted to operate two separate seismographs, each co-located with two existing Payne & Dolan (Vibra-Tech) monitors located at: 7301 S. 51st Street, and 5800 W. Allwood Drive. Each monitor was pole-mounted and provided with a weatherproof enclosure. Power is provided via an internal battery and an external battery connected to a solar panel. This type of configuration provides continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet.

Stantec also will notify the City Planning Manager of any condition (pertaining to blasting, noise or other PDD condition) that we become aware of that exceeded the allowances outlined in the PDD. This communication will be completed prior to noon the business day following the day we become aware of any such event.

### **Blast Complaint Evaluation**

Periodically the City forwards to Stantec specific information pertaining to quarry complaints received. Stantec evaluates each one on a quarterly basis to determine the following corresponding collaborative conditions:

- Off-site dust complaints: weather conditions (wind direction and speed) the day of the complaint
- Off-site seismic complaints: seismic data from both Stantec (if monitoring at the time) and Payne & Dolan placed monitors
- On occasion, the City may request an exceptional blast complaint evaluation if a blast event receives an unusually high number of complaints. A letter report will be issued by Stantec within approximately one week of the request that describes:
  - seismic data from both Stantec and Payne & Dolan placed monitors
  - weather conditions (wind direction and speed) the day of the complaint
  - a figure showing location of blast and complaints

## **ATTACHMENT B**

### **FRANKLIN QUARRY SEISMIC MONITORING PROJECT BACKGROUND**

## **Background Summary**

Seismic monitoring was completed to document whether the site was compliant with operational parameters defined in the existing Planned Development District (PDD) agreements. Prior to 2018, Stantec completed a variety of 2, 4, and 8-week seismic monitoring periods. During 2018, Stantec completed one 4-week period and one 16-week period of monitoring. Monitoring consisted of placing a city owned and maintained InstanTel MiniMate Plus fixed seismograph equipped with an external geophone at one of two city-established blast monitoring sites or vaults for each period. Seismic data was downloaded once every two weeks. Due to equipment limitations the data could not be downloaded remotely as it occurs (i.e., real time).

In 2019, Stantec provided remote vibration monitoring by using Nomis Seismographs. Sauls Seismic was subcontracted to install two separate seismographs, each co-located with two existing Payne & Dolan (Vibra-Tech) monitors located at: 7301 S. 51st Street, and 5800 W. Allwood Drive. Each monitor was pole-mounted and provided with a weatherproof enclosure. Power was provided via an internal battery and an external battery connected to a solar panel. This type of configuration provided continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet.

As contracted by the City, Stantec provided remote vibration monitoring using two seismographs co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street and 5800 W. Allwood Drive. The monitor provided continuous (24/7) remote monitoring. Monthly summaries of blasting data, comparing the Payne & Dolan (Vibra-Tech) unit recordings, to the Stantec (Sauls Seismic) unit recordings, were prepared for the months April through December.

Per the PDD #23 and #24 Ordinances, 85% of the quarry's blasts within any calendar year must be below the maximum permissible vibration (also referred to as particle or ground velocity) of 0.30 inches per second (in/sec), measured at the closest residence or inhabited structure not owned or controlled by the quarry. This is more stringent than State of Wisconsin regulations (Wisconsin Department of Industry, Labor and Human Relations in ch.ILHR 7, Wis. Adm. Code on any blast [new reference now Wis. Adm. Code, Safety and Professional Services (SPS) Chapter 307]) which require quarry operators to report any ground vibration levels to the Wisconsin Department of Natural Resources that are above 0.75 in/sec.

Per the PDD #23 and #24 Ordinances, airblast resulting from P&D blasting shall not exceed 123 dB on at least 85% of its blasts within any single calendar year, measured at the residence or inhabited structure closest to the site of the blast which is not owned or controlled by the Operator. Notwithstanding any other provision in this subsection, the Operator shall not exceed the airblast limitation imposed by Wis. Adm. Code, SPS Ch. 307.

In addition to obtaining and reviewing the blast data from the city-owned, fixed seismograph, Stantec also received data from Payne & Dolan's Vibra-Tech meters, which provided independently monitored Franklin Aggregate blasting data for the entire calendar year. Four monitors are used by Vibra-Tech, three along South 51<sup>st</sup> Street, and one just south of West Drexel Avenue. This independently monitored data was compared to the Stantec-obtained data.



# **ATTACHMENT C**

SUMMARY OF SEISMIC DATA – 4<sup>th</sup> QUARTER 2020

Payne & Dolan Blast Monitoring Data								Stantec Blast Monitoring Data		Comparison of P&D and Stantec Monitoring Data		Complaint Information			Weather (for complaints only)								
Date	Time	Activity Number	General Quarry Blast Location	Monitor Location	Distance (feet)	PPV (in/sec)	AO (dB)	PPV (in/sec)	AO (dB)	Difference in PPV Values	Difference in AO dB Values	Com-plaints?	#	Primary direction of complaints (from quarry)	Wind Direc-tion	Wind Speed (mph)	Wind Gusts (mph)	Press-ure (in)	Humi-dity (%)	Condi-tions	Precip-itation	Temp. (°F)	
10/2/20	10:43 AM	69	south	5800 ALLWOOD	1,586	0.12	119	0.16	115	-0.04	4	yes	12	south	NNW	14	18	29.45	46	fair	none	50	
10/2/20	10:43 AM	69	south	7301 S 51st Street	2,901	0.033	95	N/D	N/D	--	--												
10/2/20	10:43 AM	69	south	7526 S. 51st Street	1914	0.12	111																
10/2/20	10:43 AM	69	south	SE of Quarry	1,254	0.25	106																
10/6/20	9:20 AM	70	north	5800 ALLWOOD	3,269	N/D	N/D	N/D	N/D	--	--												
10/6/20	9:20 AM	70	north	7301 S 51st Street	1,353	0.058	106	N/D	N/D	--	--												
10/6/20	9:20 AM	70	north	7526 S. 51st Street	1,275	0.068	111																
10/6/20	9:20 AM	70	north	SE of Quarry	1,928	0.023	99																
10/14/20	1:43 PM	71	south	5800 ALLWOOD	1,310	0.088	106	0.12	105	-0.03	1	yes	5	south	SSE	17	none	28.78	50	m. cloudy	none	62	
10/14/20	1:43 PM	71	south	7301 S 51st Street	3,182	N/D	N/D	N/D	N/D	--	--												
10/14/20	1:43 PM	71	south	7526 S. 51st Street	2,150	0.043	110																
10/14/20	1:43 PM	71	south	SE of Quarry	1,353	0.118	108																
10/15/20	11:41 AM	72	south	5800 ALLWOOD	1,913	0.023	105	N/D	N/D	--	--												
10/15/20	11:41 AM	72	south	7301 S 51st Street	2,577	0.025	96	N/D	N/D	--	--												
10/15/20	11:41 AM	72	south	7526 S. 51st Street	1,592	0.095	106																
10/15/20	11:41 AM	72	south	SE of Quarry	1,077	0.12	109																
10/19/20	10:10 AM	73	east	5800 ALLWOOD	3,361	N/D	N/D	N/D	N/D	--	--												
10/19/20	10:10 AM	73	east	7301 S 51st Street	1173	0.073	99	0.07	102	0.00	-3												
10/19/20	10:10 AM	73	east	7526 S. 51st Street	1,056	0.1	108																
10/19/20	10:10 AM	73	east	SE of Quarry	1,825	0.025	106																
10/21/20	11:55 AM	74	east	5800 ALLWOOD	3,800	N/D	N/D	N/D	N/D	--	--												
10/21/20	11:55 AM	74	east	7301 S 51st Street	1635	0.058	114	0.08	101	-0.02	13												
10/21/20	11:55 AM	74	east	7526 S. 51st Street	2,124	0.048	113																
10/21/20	11:55 AM	74	east	SE of Quarry	2,819	0.02	108																
10/26/20	12:05 PM	75	east	5800 ALLWOOD	3,782	N/D	N/D	N/D	N/D	--	--												
10/26/20	12:05 PM	75	east	7301 S 51st Street	943	0.063	106	0.09	104	-0.03	2												
10/26/20	12:05 PM	75	east	7526 S. 51st Street	1,398	0.065	108																
10/26/20	12:05 PM	75	east	SE of Quarry	2,297	0.028	104																
11/2/20	10:58 AM	76	east	5800 ALLWOOD	3,394	N/D	N/D	N/D	N/D	--	--												
11/2/20	10:58 AM	76	east	7301 S 51st Street	1,153	0.085	109	0.07	103	0.02	6												
11/2/20	10:58 AM	76	east	7526 S. 51st Street	1,088	0.083	110																
11/2/20	10:58 AM	76	east	SE of Quarry	1,869	0.025	106																
11/4/20	10:20 AM	77	east	5800 ALLWOOD	3372	N/D	N/D	N/D	N/D	--	--												
11/4/20	10:20 AM	77	east	7301 S 51st Street	1,270	0.058	111	0.05	103	0.01	8												
11/4/20	10:20 AM	77	east	7526 S. 51st Street	1,295	0.06	117																
11/4/20	10:20 AM	77	east	SE of Quarry	2,005	N/D	N/D																
11/5/20	10:52 AM	78	north	5800 ALLWOOD	3,785	N/D	N/D	N/D	N/D	--	--												
11/5/20	10:52 AM	78	north	7301 S 51st Street	1,594	0.068	108	0.1	99	-0.03	9												
11/5/20	10:52 AM	78	north	7526 S. 51st Street	2,075	0.048	111																
11/5/20	10:52 AM	78	north	SE of Quarry	2777	N/D	N/D																
11/16/20	12:50 PM	79	east	5800 ALLWOOD	3,450	N/D	N/D	N/D	N/D	--	--												
11/16/20	12:50 PM	79	east	7301 S 51st Street	1,109	0.073	104	0.07	98	0.00	6												
11/16/20	12:50 PM	79	east	7526 S. 51st Street	1,118	0.073	110																
11/16/20	12:50 PM	79	east	SE of Quarry	1,924	0.023	96																
11/19/20	10:30 AM	80	north	5800 ALLWOOD	3,792	N/D	N/D	N/D	N/D	--	--												
11/19/20	10:30 AM	80	north	7301 S 51st Street	1,548	0.133	114	0.17	101	-0.04	13												
11/19/20	10:30 AM	80	north	7526 S. 51st Street	2,037	0.088	111																
11/19/20	10:30 AM	80	north	SE of Quarry	2,753	N/D	N/D																
12/1/20	12:06 PM	81	east	5800 ALLWOOD	3,303	N/D	N/D	N/D	N/D	--	--												
12/1/20	12:06 PM	81	east	7301 S 51st Street	1,209	0.113	98	0.1	96	0.01	2												
12/1/20	12:06 PM	81	east	7526 S. 51st Street	981	0.1	107																
12/1/20	12:06 PM	81	east	SE of Quarry	1,733	0.035	96																
12/9/20	10:12 AM	82	east	5800 ALLWOOD	3,474	N/D	N/D	N/D	N/D	--	--												
12/9/20	10:12 AM	82	east	7301 S 51st Street	1,139	0.07	111	0.06	103	0.01	8												
12/9/20	10:12 AM	82	east	7526 S. 51st Street	1,232	0.06	115																
12/9/20	10:12 AM	82	east	SE of Quarry	2,019	0.03	115																
12/11/20	9:00 AM	83	east	5800 ALLWOOD	3,570	N/D	N/D	N/D	N/D	--	--												
12/11/20	9:00 AM	83	east	7301 S 51st Street	943	0.033	93	N/D	N/D	--	--												
12/11/20	9:00 AM	83	east	7526 S. 51st Street	989	0.025	89																
12/11/20	9:00 AM	83	east	SE of Quarry	1,906	N/D	N/D																
12/15/20	11:08 AM	84	east	5800 ALLWOOD	3,516	N/D	N/D	N/D	N/D	--	--												
12/15/20	11:08 AM	84	east	7301 S 51st Street	1,037	0.09	106	0.09	98	0.00	8												
12/15/20	11:08 AM	84	east	7526 S. 51st Street	1,102	0.09	110																
12/15/20	11:08 AM	84	east	SE of Quarry	1952	0.038	106																
12/18/20	11:00 AM	85	east	5800 ALLWOOD	3,477	N/D	N/D	N/D	N/D	--	--												
12/18/20	11:00 AM	85	east	7301 S 51st Street	1,150	0.085	109	0.09	99	0.00	10												
12/18/20	11:00 AM	85	east	7526 S. 51st Street	1,256	0.065	117																
12/18/20	11:00 AM	85	east	SE of Quarry	2038	0.045	114																
<b>Totals</b>												2	17	events with complaints / total complaints									

**Notes:** Shaded cells do not have a meter in that location  
N/D = not detected, meter did not detect blast

## **FIGURE 1**

SEISMIC MONITORING, BLASTING, AND COMPLAINT LOCATIONS, 4<sup>th</sup> QUARTER 2020





Figure No.

1

**Title**  
**Seismic Monitoring, Blasting, and Complaint Locations - 4th Quarter 2020**

**Client/Project**  
 City of Franklin  
 Vicinity of Payne and Dolan Quarry

193707487

**Project Location**  
 C. of Franklin, Milwaukee Co., WI

Prepared by AJS on 2021-01-12  
 TR by JH on 2021-01-12  
 IR by KGI on 2021-01-12



0 500 1,000  
 Feet  
 (At original document size of 11x17)  
 1:12,000

**Legend**

**Seismic Monitoring Location**

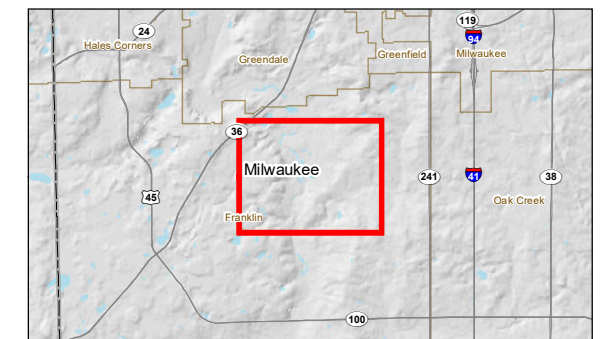
- (A) Vibra-Tech(VT1) and Stantec(S1)
- (B) Vibra-Tech(VT2)
- (C) Vibra-Tech(VT3)
- (D) Vibra-Tech(VT4) and Stantec(S2)

**Blast Location**

- Blast #69
- Blast #71
- Non-complaint Blast Locations

**Blast Complaint**

- ▲ Blast #69
- ▲ Blast #71



- Notes**
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
  2. Data Sources: Stantec, SCO, WDNR, WisDOT
  3. Orthophotography: ESRI Clarity Imagery







Welcome City of Franklin

[Logout](#)

- [Home/View](#)

CSVPDF

Show  entries

Search:

Date	Time	Shot #	Seismo Loc	PPV	AO
3/12/2021	12:16 pm	4	Franklin Quarry (5800 ALLWOOD)	0.043	114
3/12/2021	12:16 pm	4	Franklin Quarry (7301 S 51st Street)	N/T	N/T
3/12/2021	12:17 pm	4	Franklin Quarry (7526 S. 51st Street)	0.065	109
3/12/2021	12:16 pm	4	Franklin Quarry (SE of Quarry)	0.135	108
1/21/2021	12:00 pm	3	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
1/21/2021	11:56 am	3	Franklin Quarry (7301 S 51st Street)	0.068	116
1/21/2021	11:56 am	3	Franklin Quarry (7526 S. 51st Street)	0.060	115
1/21/2021	11:56 am	3	Franklin Quarry (SE of Quarry)	0.043	115
1/15/2021	10:15 am	2	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
1/15/2021	10:14 am	2	Franklin Quarry (7301 S 51st Street)	0.028	96
1/15/2021	10:15 am	2	Franklin Quarry (7526 S. 51st Street)	N/T	N/T
1/15/2021	10:15 am	2	Franklin Quarry (SE of Quarry)	N/T	N/T
1/13/2021	11:40 am	1	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
1/13/2021	11:39 am	1	Franklin Quarry (7301 S 51st Street)	0.088	107
1/13/2021	11:39 am	1	Franklin Quarry (7526 S. 51st Street)	0.080	111

<b>Date</b>	<b>Time</b>	<b>Shot #</b>	<b>Seismo Loc</b>	<b>PPV</b>	<b>AO</b>
1/13/2021	11:39 am	1	Franklin Quarry (SE of Quarry)	0.035	108
12/18/2020	11:00 am	85	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
12/18/2020	11:00 am	85	Franklin Quarry (7301 S 51st Street)	0.085	109
12/18/2020	11:00 am	85	Franklin Quarry (7526 S. 51st Street)	0.065	117
12/18/2020	11:00 am	85	Franklin Quarry (SE of Quarry)	0.045	114

Showing 1 to 20 of 338 entries

FirstPrevious12345...17NextLast

Franklin Quarry

© 2006-2021 Geosonics/Vibra-Tech Engineers Inc v20120709

November 12, 2020

Mr. Heath Eddy  
Department of City Development  
9229 W. Loomis Road  
Franklin, WI 53132

**Subject: Annual Aerial Photos (2020)**

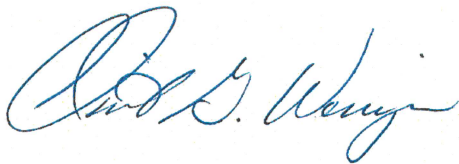
Dear Mr. Eddy:

As required by PDD #97-1456 & PDD #97-1457 (or PDD #23 and PDD #24), I have enclosed two copies of the 2020 aerial photo of the Franklin Aggregates quarry located on Rawson Avenue. The photo was taken in September 2020 and encompasses an area large enough to include both PDD #23 and PDD #24.

Please do not hesitate to contact me in the office at (262) 524-1258, if you have any additional questions and/or would like some additional information.

Sincerely,

**Payne & Dolan, Inc.**



Clint Weninger, P.G.  
Land Resources Manager

**Franklin**

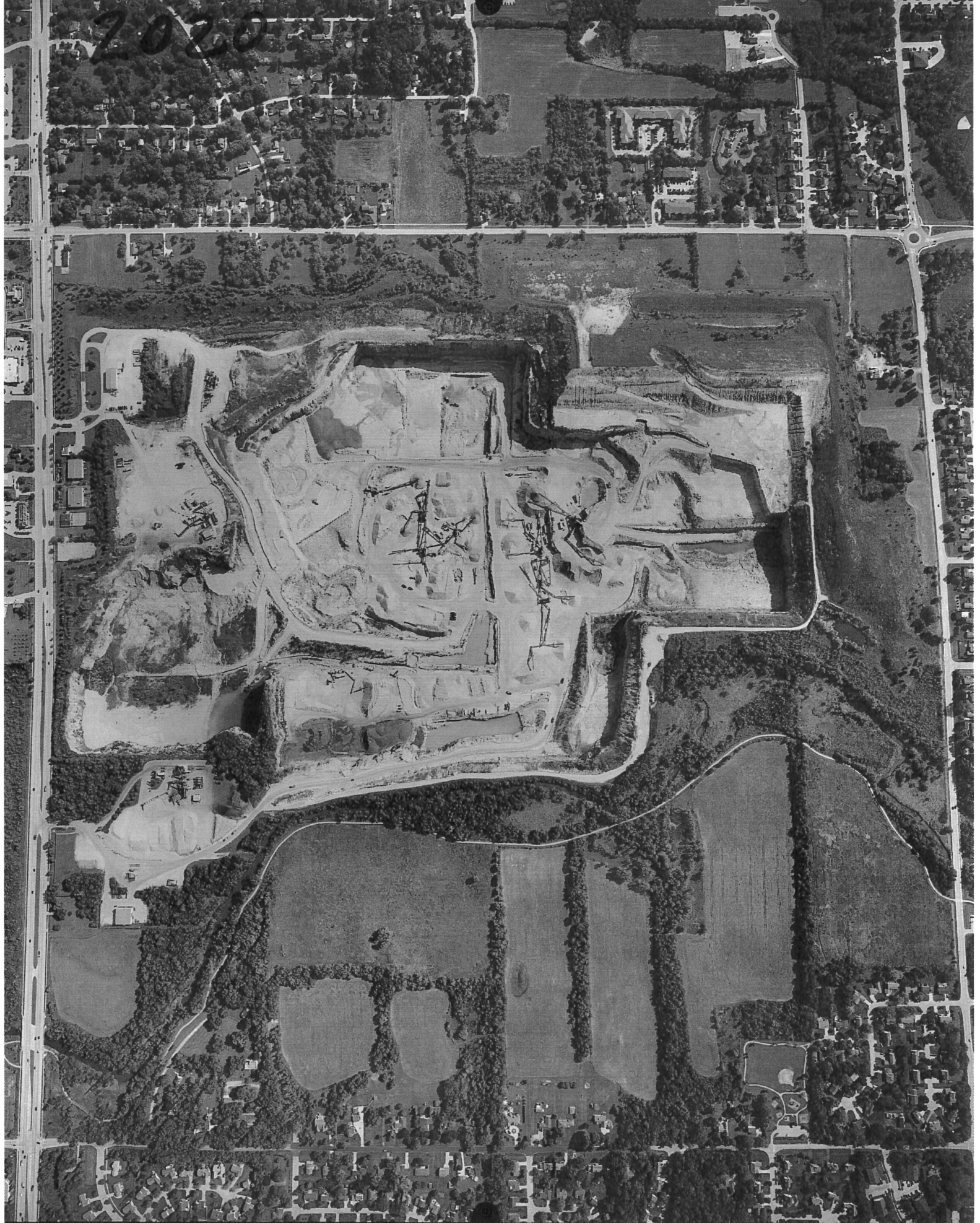
**NOV 12 2020**

**City Development**





2020





V.d.2

---

**PAYNE & DOLAN**  
INCORPORATED  
A WALBEC GROUP COMPANY

January 23, 2020

Mr. Regulo Martinez-Montilva  
Department of City Development  
9229 W. Loomis Road  
Franklin, WI 53132

**Subject: Annual Aerial Photos (2019)**

Dear Mr. Martinez-Montilva:

As required by PDD #97-1456 & PDD #97-1457 (or PDD #23 and PDD #24), I have enclosed two copies of the 2019 aerial photo of the Franklin Aggregates quarry located on Rawson Avenue. The photo was taken in September 2019 and encompasses an area large enough to include both PDD #23 and PDD #24.

Please do not hesitate to contact me in the office at (262) 524-1258, if you have any additional questions and/or would like some additional information.

Sincerely,

**Payne & Dolan, Inc.**

Clint Weninger, P.G.  
Land Resources Manager



2019



WLD 15/4 UAG-S  
Nr. 13391 153.00



2019



WLD 15/4 UAG-S  
N: 13381 153.00



January 20<sup>th</sup>, 2021

Mr. Régulo Martinez-Montilva  
Planning Manager  
City of Franklin Planning Department  
9229 W. Loomis Road  
Franklin, WI 53132

Dear Mr. Martinez-Montilva,

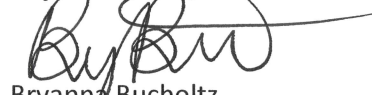
Enclosed are the 2020 annual reports and associated fees in the amount of \$2,850 for Payne & Dolan's nonmetallic mineral extraction sites located in the City of Franklin that have a received reclamation permit pursuant to Chapter NR135.18 Wisconsin Administrative Code and the City of Franklin Nonmetallic Mining Ordinance. These Sites Include.

Site Name	Reclamation Permit #	Location	Unreclaimed Acres	Current Fee Amount
Franklin – West (80370)	NONE	City of Franklin	92	\$1,425
Franklin – East (80370)	NONE	City of Franklin	150.7	\$1,425
			<b>Total</b>	<b>\$2,850</b>

If you have any questions and/or need additional information please do not hesitate contact me at (262) 366 -5124, [bbucholtz@payneanddolan.com](mailto:bbucholtz@payneanddolan.com).

Sincerely,

Payne & Dolan, Inc.



Bryanna Bucholtz  
Land Information Administrator

**Franklin**  
JAN 22 2021  
**City Development**

113197 CITY OF FRANKLIN

Check Number: 753736

Check Date: 01/20/2021

Stub 1 of 1

\$\*\*\*\*\*2,850.00

Invoice		Description	Gross	Deductions	Amount Paid
Number	Date				
012021	012021		2,850.00		2,850.00
		<b>Totals</b>			

113197 CITY OF FRANKLIN

Check Number: 753736

Check Date: 01/20/2021

Stub 1 of 1

Invoice		Description	Gross	Deductions	Amount Paid
Number	Date				
012021	012021		2,850.00		2,850.00
		<b>Totals</b>			

RETAIN THIS COPY FOR YOUR RECORDS



**PAYNE & DOLAN**  
INCORPORATED

P.O. Box 781  
Waukesha, WI 53187-0781

US BANK  
WAUSAU, WISCONSIN  
79-1160  
759

Check Number:

00753736

Date	Amount
01/20/21	\$*****2,850.00

Void If Not Cashed In 90 Days

TWO THOUSAND EIGHT HUNDRED FIFTY AND 00/100 \*\*\*\*\*

Pay To The Order Of  
CITY OF FRANKLIN  
9229 W LOOMIS RD  
FRANKLIN WI 53132-9728

BY

MP

Nonmetallic Mining Permit Number: NONE

Site Name: Franklin (West) - 80370

Report Date: 1-4-2021

Parcel ID No: 757-9969-000, 757-9970-000, 757-9971-000, 757-9972-000, 758-9922-000, 758-9987-001, 758-9987-002, 758-9987-003, 758-9990-000, 758-9991-000, 758-9993-000, 758-9994-000, 758-9995-002, 758-9997-000, 758-9998-000, 758-9999-000

Site Address: 6211 Rawson Avenue, Franklin, WI

Township: City of Franklin

Legal Description: Part of the E 1/2, NE 1/4 and the NE 1/4, SE 1/4 Section 10, lying east of the Root River and the SW 1/4 of Section 11, Town 5 North, Range 21 East

**Applicant / Operator**

Payne & Dolan, Inc.

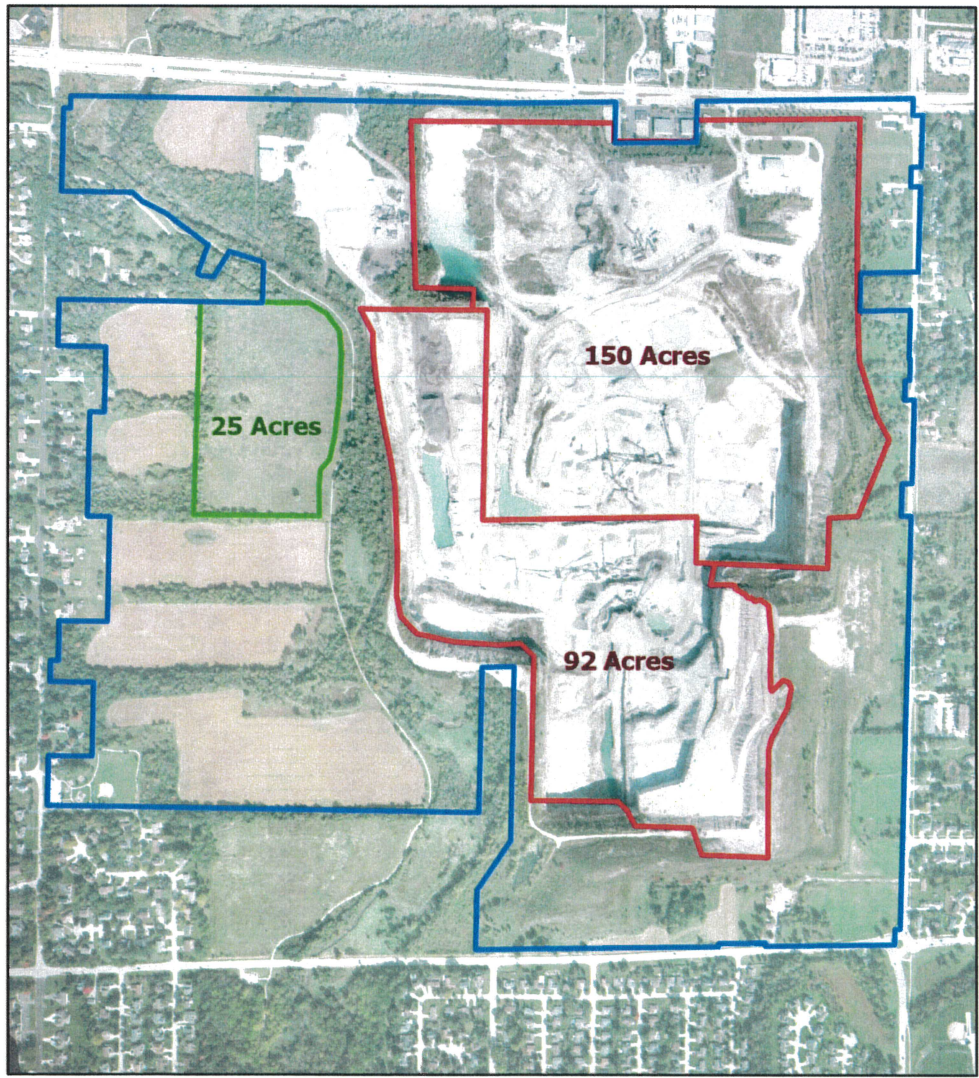
N3 W23650 Badinger Road

Waukesha, WI 53187

(262) 524-1700


bbucholtz@payneanddolan.com

**SAME**



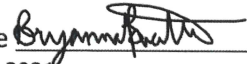
Acreege of Completed Reclamation: 25

Active, Unreclaimed Acreege: 92

-  Property Boundary
-  Active
-  Reclaimed

**Nonmetallic Mine Site Certification:**

"I hereby certify that this information is true and accurate and that the nonmetallic mining site described herein complies with all conditions of the applicable nonmetallic mining reclamation permit and chapter NR - 135, Wisconsin Administration Code."

Signature   
Date 1-4-2021



Nonmetallic Mining Permit Number: NONE

Site Name: Franklin (East) - 80370

Report Date: 1-4-2021

Parcel ID No: 757-9969-000, 757-9970-000, 757-9971-000, 757-9972-000, 758-9922-000, 758-9987-001, 758-9987-002, 758-9987-003, 758-9990-000, 758-9991-000, 758-9993-000, 758-9994-000, 758-9995-002, 758-9997-000, 758-9998-000, 758-9999-000

Site Address: 6211 Rawson Avenue, Franklin, WI 53132

Township: City of Franklin

Legal Description: Parts of Section 10, 11, 14, and 15 of Town 5 North, Range 21 East

**Applicant / Operator**

Payne & Dolan, Inc.

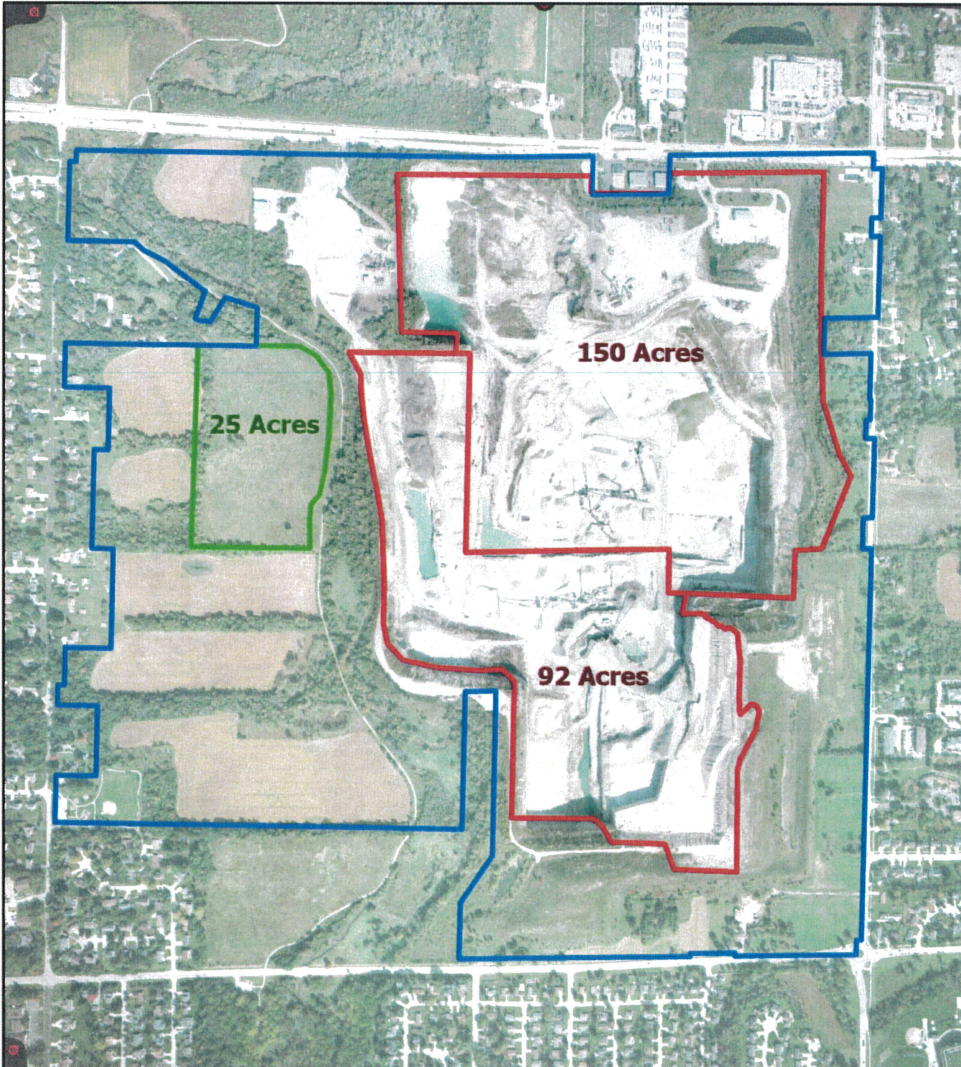
N3 W23650 Badinger Road

Waukesha, WI 53187

(262) 524-1700

bbucholtz@payneanddolan.com

**SAME**



Acreage of Completed Reclamation: 0

Active, Unreclaimed Acreage: 150.7

- Property Boundary
- Active
- Reclaimed

**Nonmetallic Mine Site Certification:**

"I hereby certify that this information is true and accurate and that the nonmetallic mining site described herein complies with all conditions of the applicable nonmetallic mining reclamation permit and chapter NR - 135, Wisconsin Administration Code."

Signature *Bryann Bucholtz*  
Date 1-4-2021





# ***FRANKLIN AGGEGATES***

***City of Franklin, Milwaukee County, WI***

***FINAL REVISION – September 1, 2020***

## I. Purpose and Scope

The purpose of this reclamation plan is to describe the activities necessary to reclaim the Franklin Aggregates Quarry site to a condition whereby future development is feasible after completion of mineral extraction activities. The plan was designed to achieve final site reclamation that is in compliance with uniform reclamation standards while fulfilling all the applicable requirements as outlined in PDDs #23 & #24, the City of Franklin Non-Metallic Mining Reclamation Ordinance and the state wide reclamation law referred to as NR-135. Implementation of this reclamation plan shall be completed within three (3) years after the cessation of extraction operations.

Reclamation of the site will result in environmental protection, a stable non-eroding site, productive end land uses, the potential to enhance wildlife habitat and increase land values and tax revenues.

The proposed land use to which this site will be reclaimed is Green/Open Space. This proposed land use (outside of the envisioned lake) is to be considered a temporary use. The final end use for the reclaimed site is not being proposed at this time. The ultimate land development and end use (beyond grading, vegetation and other requirements detailed in this plan) will be subject to future land use requirements.

No final end-use development proposals shall be implemented prior to submission of detailed end-use plans pursuant to then applicable City of Franklin ordinance requirements, and the granting of detailed zoning and land use approvals in accordance with such applicable ordinance requirements.

This approach of reclaiming the site to a temporary Green/Open Space land use, will allow for the site to be reclaimed to a proposed land use as required by NR-135 while maintaining flexibility in the land use and development of the site to meet the communities future needs.

Payne & Dolan has a history of completing successful reclamation at this site. After the crushing, stockpiling and loadout operations that were located adjacent to the Root River for many years were moved onto the floor of the quarry in 2003, Payne & Dolan successfully reclaimed the former operations area. See attached Fact Sheet for additional information.

## II. Proposed Earthwork and Reclamation

Prior to beginning mineral extraction, the topsoil and other overburden materials covering the nonmetallic mineral deposit are removed and stockpiled separately for future reclamation. Available topsoil and other overburden materials have been stored in berms adjacent to the north, south, and east portions of the active mineral extraction operations. Some overburden materials have also been placed in the bottom of the quarry in areas that have previously been mined.

Reclamation of the site will commence after all non-metallic minerals have been removed from the site. Reclamation of the site will include a 250 acre lake with restored slopes and rock faces surrounding the lake (see Sheet 3 – Final Conditions and Sheet 4 – Cross Sections). The stockpiled topsoil and other overburden materials will be placed over the reclaimed areas surrounding the lake, graded to conform with the surrounding land and seeded. The necessary topsoil and overburden are re-distributed across the parcel and fine graded to present a uniform appearance. Reclaimed slopes will be seeded upon completion of the fine grading.

The berms surrounding the extraction area will be removed and regraded (i.e. leveled) as shown on the reclamation plan view (Sheet 3 – Final Conditions). Excess overburden materials; including but not limited to silt, clay, sand, dirt, rock, gravel and other earth materials lying on top of the limestone; not used in the reclamation of the slopes surrounding the quarry will be placed in the bottom of the extraction area.

The reclamation plans has been designed to maintain pre-mine drainage patterns to the greatest extent possible and to improve upon existing conditions where feasible. Existing grading and stormwater features such as road side ditches, storm water drainage pipe, and the stormwater retention pond shall remain. However, the stormwater currently pumped from the quarry to the Root River will cease after the surrounding slopes are reclaimed and the quarry is allowed to fill with water and stormwater from within the site to create the lake.



**Photo Showing Approximate Location of Stormwater Drainage Pipe and Retention Pond**

Note: Constructed per Stormwater Management Plan dated August 8, 1997

Payne & Dolan will perform the necessary grading to achieve the final topography and drainage patterns as outlined in the attached reclamation plan view (Sheet 3 – Final Conditions). Grading activities along the west extent of the property shall be limited so as to minimize the grading that would occur towards the Root River.

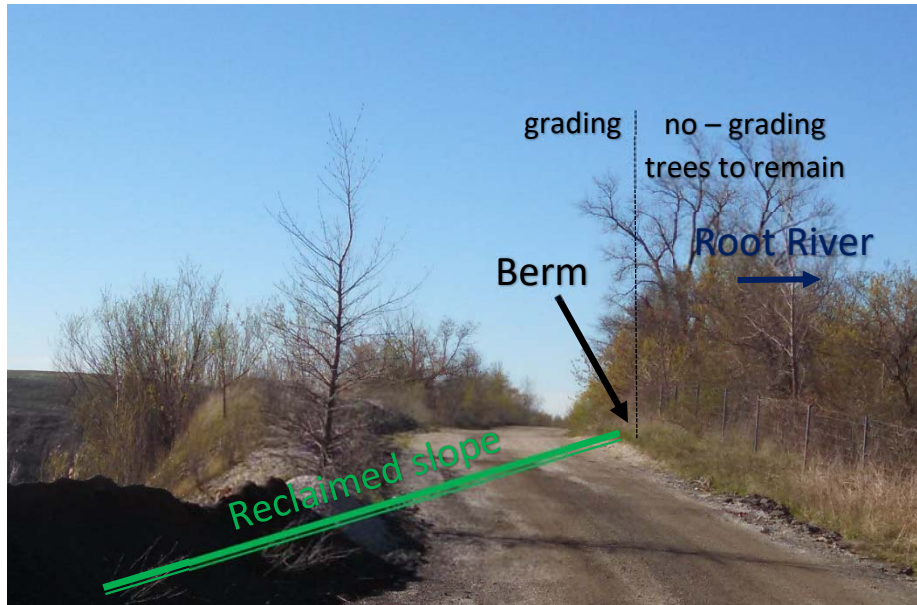


Photo Showing High Road Along West Edge of Quarry (looking South)

Note: A majority of the grading for the reclaimed slope along western edge of quarry will occur from the outside edge of the “high road” that extends around the quarry in this area.

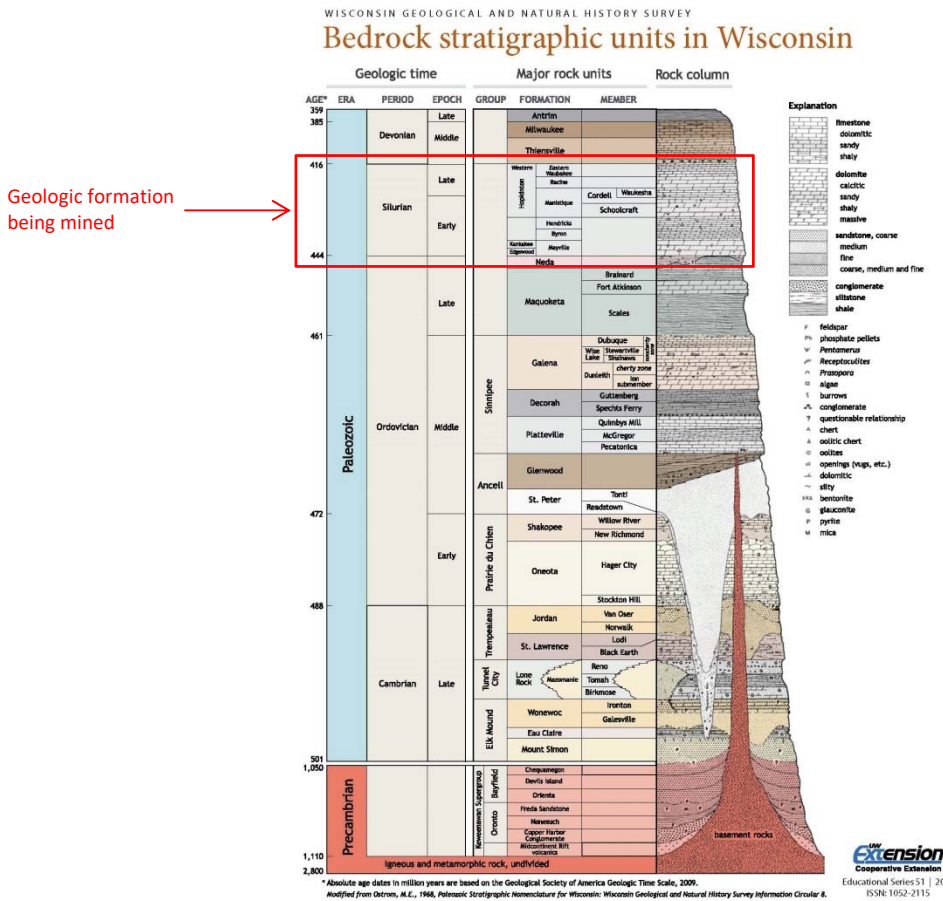
### III. Geologic Composition of the Site and Depth of the Nonmetallic Mineral Deposit

The mineral deposit currently extracted consists of Silurian age limestone & dolomite, approximately 210 - 250 feet thick, of which over 90% of which will be extracted from under the water table. The amount of overburden overlying the limestone varies across the site but averages approximately 40 feet. The overburden consists of primarily clay and silt.

Groundwater elevation and subsequent lake water elevation was originally obtained from a technical report published by the Southeastern Wisconsin Regional Planning Commission (Source: Groundwater Resources of Southeastern Wisconsin, Technical Report Number 37, 2002, SEWRPC and WSGNS, p 81). This information provided in this report for this location has been confirmed by two consultants; GAS (now Graef) and most recently by GZA GeoEnvironmental.

Also, groundwater elevations in a well monitored by the United States Geological Survey located on S92<sup>nd</sup> Street just south of Grange Ave. has shown little movement of the groundwater table from 1/7/2000 – 33.01 ft below the ground surface (bgs) to 1/28/2016 – 31.19 ft. bgs.





#### IV. Revegetation Plan

After the overburden materials have been placed over the reclaimed slopes, a minimum of 6" of topsoil (PDD's #23 and #24 specify a 4" minimum) will be spread over the reclaimed slopes, fine graded, seeded and mulched. Seeding activities will be carried out in accordance with accepted seeding specifications provided in the reclamation plan. Marginally steep slopes (greater than 3:1) will have either a minimum of 8" of topsoil or additional erosion control measures, such as coir (coconut fiber) erosion mat, to stabilize the slope during revegetation.

If any slopes toward the Root River must be re-graded, a seed mixture containing native grasses as provided by the City of Franklin or a WI DOT No. 70 series seed mix, shall be used. A mycorrhizal inoculant or acceptable alternative will be used when seeding any slopes toward the Root River.

TABLE 630-2 NATIVE SEED MIXTURES

SPECIES	SPECIES BOTANICAL NAME	PURITY & GERMINATION minimum %	MIXTURE PROPORTIONS in percent				
			NO. 70	NO. 70A	NO. 75	NO. 80	
FORBES	Canada Anemone	<i>Anemone canadensis</i>	PLS	2			
	Butterflyweed	<i>Asclepias tuberosa</i>	PLS		2		
	New England Aster	<i>Aster novae-angliae</i>	PLS	2	2		
	Partridge-pea	<i>Chamaecrista (Cassia) fasciculata</i>	PLS		2		
	Purple Prairie Clover	<i>Dalea (Petalostemum) purpurea</i>	PLS	2	2	4	
	Canada Tick-trefoil	<i>Desmodium canadense</i>	PLS	2			
	Flowering Spurge	<i>Euphorbia corollata</i>	PLS		2		
	Wild Geranium	<i>Geranium maculatum</i>	PLS	2			
	Western Sunflower	<i>Helianthus occidentalis</i>	PLS	3	2		
	Rough Blazingstar	<i>Liatris aspera</i>	PLS		2		
	Prairie Blazingstar	<i>Liatris pycnostachya</i>	PLS	2			
	Lupine	<i>Lupinus perennis</i>	PLS		3		
	Wild Bergamot	<i>Monarda fistulosa</i>	PLS	2			
	Horse Mint	<i>Monarda punctata</i>	PLS		2		
	Yellow Coneflower	<i>Ratibida pinnata</i>	PLS	2	2		
	Blackeyed Susan	<i>Rudbeckia hirta</i>	PLS			1	
	Showy Goldenrod	<i>Solidago speciosa</i>	PLS	2	2		
	Spiderwort	<i>Tradescantia ohioensis</i>	PLS	2	2		
	Golden Alexanders	<i>Zizia aurea</i>	PLS	2			
GRASSES	Big Bluestem	<i>Andropogon gerardi</i>	PLS	15	15	10	
	Sideoats Grama	<i>Bouteloua curtipendula</i>	PLS	15	20	20	25
	Canada Wildrye	<i>Elymus Canadensis</i>	PLS	15	15	35	23
	Slender Wheatgrass	<i>Elymus trachycaulus</i>	PLS				20
	Junegrass	<i>Koeleria macrantha</i>	PLS		5		
	Annual Ryegrass	<i>Lolium multiflorum</i>	<sup>[1]</sup>			10	10
	Switchgrass	<i>Panicum virgatum</i>	PLS				10
	Salt Grass	<i>Puccinella distans</i>	<sup>[1]</sup>				2
	Little Bluestem	<i>Schizachyrium (Andropogon) scoparium</i>	PLS	15	20	10	10
	Indiangrass	<i>Sorghastrum nutans</i>	PLS	15	15	10	
ALTERNATE FORBES	Sky Blue Aster	<i>Aster azureus</i>	PLS	<sup>[2]</sup>	<sup>[2]</sup>		
	White Wild Indigo	<i>Baptisia leucantha</i>	PLS	<sup>[2]</sup>	<sup>[2]</sup>		
	Pale Purple Coneflower	<i>Echinacea pallida</i>	PLS	<sup>[2]</sup>	<sup>[2]</sup>		
	White Prairie Clover	<i>Petalostemum candidum</i>	PLS	<sup>[2]</sup>	<sup>[2]</sup>		
	Stiff Goldenrod	<i>Solidago rigida</i>	PLS	<sup>[2]</sup>	<sup>[2]</sup>		
	Hoary Vervain	<i>Verbena stricta</i>	PLS	<sup>[2]</sup>	<sup>[2]</sup>		

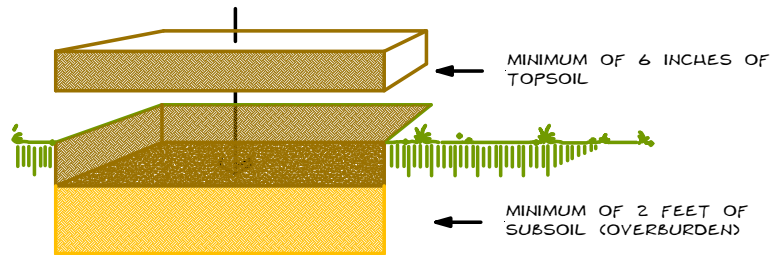
<sup>[1]</sup> Provide the minimum purity and germination specified in 630.2.1.5.1.1.1(3) in the table of highway seed mixtures.

Prepared soil will be seeded at any time during the growing season when soil conditions are suitable but not longer than 7 days after the final grading of reclaimed slopes. Seeding activities should not be carried out immediately following rain, when the ground is too dry, or during windy periods.

Trees that are located within the grading limits as shown on Sheet 3 – Final Conditions shall be removed during the reclamation grading. Trees located outside of the grading limits shall remain.

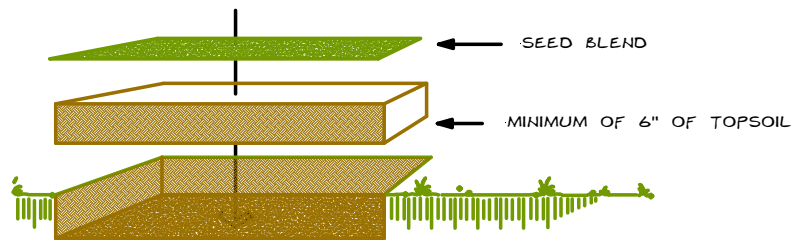
All seeding and mulching will be done in accordance with the State of Wisconsin Department of Transportation Standard Specifications for Seeding and Mulching, Sections 630 and 627, or as updated and amended.

*[QMC recommends use of a wildflower drill such as Tye, Brillion, or modified Truax instead of hydroseeding]*



RETAIN EXISTING TOPSOIL & SUBSOIL FOR DISTRIBUTION DURING RECLAMATION  
 STORE TOPSOIL AND SUBSOIL IN TEMPORARY BERMS DURING MINERAL EXTRACTION  
 NECESSARY TOPSOIL AND OVERBURDEN SHALL BE SPREAD BY GRADING  
 CONTRACTOR TO NON-QUARRIED AREAS ONLY  
 PROJECT MANAGER SHALL APPROVE FINISHED GRADE & UNIFORM  
 SLOPES PRIOR TO THE SOWING OF SEED

**TOPSOIL PRESERVATION**



EXISTING TOPOSIL WILL BE STOCKPILED ON SITE FOR RECLAMATION  
 PROJECT MANAGER SHALL APPROVE FINISHED GRADE & UNIFORM SLOPES  
 PRIOR TO THE SOWING OF SEED  
 ALL SEEDING WILL BE DONE IN ACCORDANCE WITH THE STATE OF  
 WISCONSIN DOT STANDARD SPECIFICATIONS FOR SEEDING AND  
 MULCHING, SECTIONS 630 AND 627  
 SEEDING TO BE COMPLETED WITHIN 7 DAYS OF FINAL TOPSOIL GRADING

**RECLAMATION SEED OEPRTATIONS**

## V. Erosion Control and Post Operational Maintenance

Upon completion of the mineral extraction operations, operator shall obtain a land disturbance permit, or any other permits required by the City of Franklin, prior to the commencement of the proposed earthwork for reclamation as described above.

Erosion control measures will be implemented as necessary to minimize off-site erosion until such time as permanent placement and shaping of overburden and topsoil and seeding is possible. Best Management Practices (BMP's) such as check dams, straw bales, silt fence, surface water diversions, energy dissipaters, mulch or artificial cover, cover crop of vegetation, buffer areas or other appropriate measures will be taken as necessary to limit off-site erosion. All erosion and sediment control practices will be periodically checked for stability and operation on a regular basis by Payne & Dolan and made available to the City.

Erosion control measures shall be inspected within 24 hours of the end of each rainfall event that exceeds 0.25", or daily during periods of prolonged rainfall, or weekly during periods without rainfall. Immediately repair and/or replace any and all damaged, failed, or inadequate erosion control measures. Operator shall maintain records of all inspections and any remedial actions taken on-site.

Remove any sediment reaching a public or private roadway, parking lot, sidewalk, or other pavement. Completely remove any accumulations not requiring immediate attention at least once daily at the end of the workday.

Frequently dispose of all waste and unused construction materials in licensed solid waste or wastewater facilities. Do not bury, dump, or discharge, any garbage, debris, cleaning wastes, toxic materials, or hazardous materials on the site, on the land surface or in detention basins, or otherwise allow materials to be carried off the site by runoff onto adjacent lands or into receiving waters or storm sewer systems.

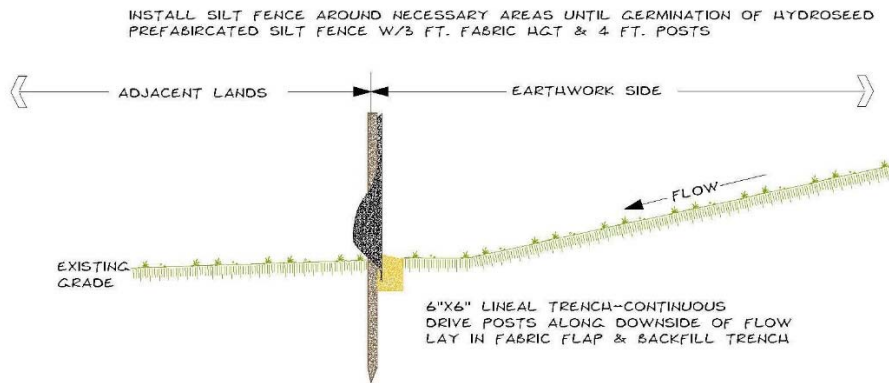
Environmental pollution mitigation will not be needed if all measures outlined in the reclamation plan are followed and adhered to.

Follow up inspections of all reclaimed and otherwise stabilized surfaces along with all erosion control and sediment control practices will be conducted on a monthly basis to ensure their stability until such time as the vegetation required to support the post-mining land use (Green/Open Space) has been successfully established and the financial assurance has been released.

Seeded areas will be reseeded and fertilized as necessary to establish and maintain a dense self-sustaining cover over reclaimed slopes. Re-apply soil stabilizers, tackifiers, polymers and anionic polyacrylamides as needed to prevent erosion of exposed soil. Erosion and sediment control measures will be repaired and /or replaced as necessary. Other preventative measures not mentioned in this reclamation plan will be taken as necessary to minimize off-site erosion.

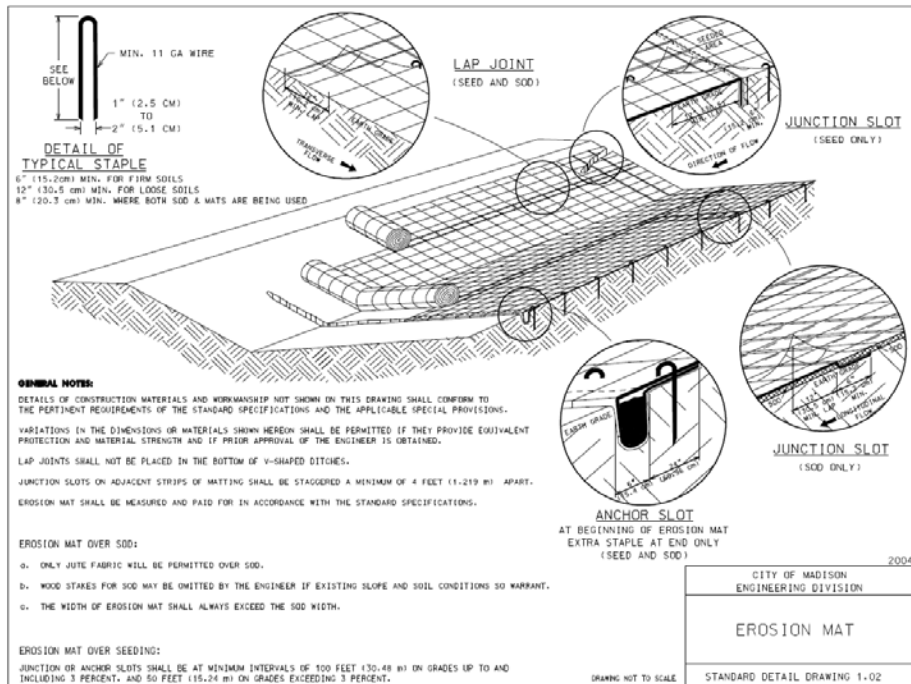
Such Best Management Practices shall be removed at time of final stabilization, as defined within Section 15-8.0303 of the City of Franklin's UDO as may be amended.





**Typical – Silt Fence**

Note: Silt fence or comparable to be installed around perimeter of site along grading limits as shown on Figure 3 – Final Conditions



**Typical - Coir (coconut fiber) Erosion Mat**

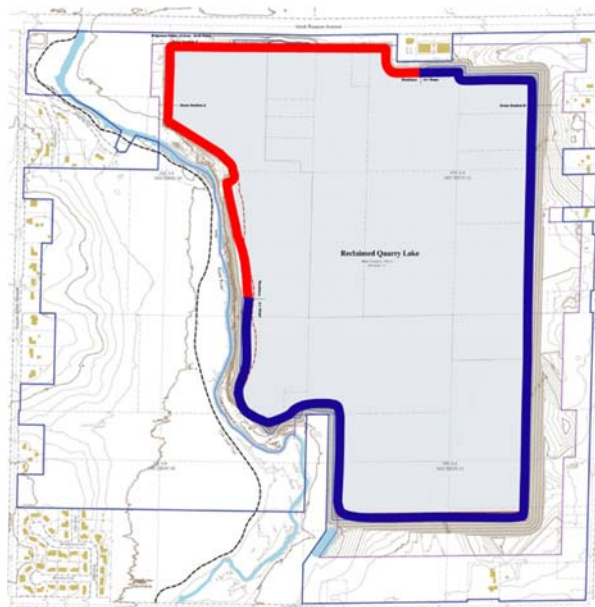
**VI. Costs of Reclamation**

Reclamation is an on-going process during mineral extraction, with a majority of the reclamation being completed during active mineral extraction. Final reclamation will consist of reclaiming the quarry perimeter upon completion of the mineral extraction activities. Approximately 75 acres will need to be reclaimed and the remaining 250 acres will become a lake.

The estimated costs of reclamation shall approximate the actual costs of reclamation including, but not limited to grading and shaping overburden around the lake perimeter as shown on the reclamation plan, distributing and placing of topsoil, developing public access, installing necessary erosion control measures, seeding, mulching, inspection and maintenance.

Activites	Unit	Cost/Unit	Unit	Total
Grade Topsoil & Subsoil - Rock Face	5,600	\$7.35	FT	\$41,160.00
Grade Topsoil & Subsoil - Slope into Water	8,800	\$23.50	FT	\$206,800.00
Grade Excess Overburden	1,000	\$175	Hour	\$175,000.00
Removal of buildings	2	\$20,000	LS	\$40,000.00
Misc. Cleanup	1	\$20,000	LS	\$20,000.00
Public Access Development	1	\$25,000	LS	\$25,000.00
Erosion Control	1	\$25,000	LS	\$25,000.00
Inspection & Maintenance	1	\$10,000	LS	\$10,000.00
Seed, Fertilize & Mulch (per DOT standards)	75	\$1,700	Acre	\$127,500.00
<b>Total</b>				<b>\$670,460.00</b>

**Estimated Costs of Reclamation**



**Map Showing Rock Face (red) and Reclaimed Slope Location (blue)**

Note: All overburden within the quarry extraction area have will have been moved to the floor of the quarry during active extraction operations and thus will not need to be moved during reclamation.

**VII. Assessing Successful Reclamation**

Payne & Dolan will assess successful reclamation with the approved reclamation plan using the following methods:

1. All buildings, structures and equipment associated with the mineral extraction activities, but not the ramps into the quarry, have been removed as part of the reclamation process
2. The available overburden and topsoil have been graded to the contours shown on the grading plan, and have been fine graded, seeded and mulched
3. Public access has been provided at the location specified on the reclamation plan
4. Adequate vegetation has been established to stabilize reclaimed surfaces. Adequate vegetation will be determined by utilizing the guideline outlined in the Wisconsin Technical Note-Agronomy-WI-1, Guidelines for Herbaceous Stand Evaluation, dated May 15, 1991 or by percent cover, which will be determined as total cover (minimum 70%) within one year of planting as measured by the canopy (vertical projection of plant parts) and will be recorded by species. Revegetation will be measured over the entire revegetated site at no less than 1 randomly placed 10 ft. x 10 ft. quadrant for each 1 acre area.
5. The Certification of Reclamation by the City of Franklin as outlined in Chapter 176 Nonmetallic Mining Reclamation.

§ 176-29 **Completed reclamation: reporting, certification and effect.**

- A. Reporting. The operator of a nonmetallic mining site may certify completion of reclamation for a portion or all of the nonmetallic mining site pursuant to a reclamation plan prepared and approved pursuant to this chapter and Chapter NR 135, Wisconsin Administrative Code.
- B. Reporting of interim reclamation. The operator of a nonmetallic mining site may report completion of interim reclamation as specified in the reclamation plan for the site prepared and approved pursuant to this chapter and Chapter NR 135, Wisconsin Administrative Code. Reporting of interim reclamation shall be done according to the procedures in Subsection A.
- C. Certification of completed reclamation. The City of Franklin shall inspect a nonmetallic mining site for which reporting of reclamation or interim reclamation has been submitted pursuant to this subsection within 60 days of receipt, and make a determination in writing in accordance with § 176-14A(7)(c). If it is determined that interim or final reclamation is complete, including revegetation, as specified in a reclamation plan that conforms with § 176-13, the City of Franklin shall issue the mine operator a written certificate of completion.
- D. Effect of completed reclamation. If reclamation is certified by the City of Franklin as complete under Subsection C for part or all of a nonmetallic mining site, then:
  - (1) No fee shall be assessed under § 176-27 for the area so certified.
  - (2) The financial assurance required by § 176-14 shall be released or appropriately reduced in the case of completion of reclamation for a portion of the mining site.
- E. Effect of inaction following/report of completed reclamation. If no written response, as required by Subsection C, for an area of the mine site reported as reclaimed or interim reclaimed is given within 60 days of receiving such request, any annual fee paid to the City of Franklin for it under § 176-27 shall be refunded.

## **VIII. Public Access**

Upon completion of reclamation, public access to the reclaimed quarry lake will be located on the north side of the site along Rawson Avenue, as shown on the reclamation plan, (Sheet 3 – Final Conditions). The public access will include greenspace and a ramp for lake access. The lake shall be a public resource, owned in common by all Wisconsin citizens under the State’s Public Trust Doctrine.

The public access will be transferred to the City of Franklin and P&D will provide a temporary easement from the public access to the quarry ramp to allow for public access to the lake while the quarry is filling with water.

Such temporary easement shall be made available for public access use on such terms and conditions as are mutually agreed upon by and between Payne & Dolan and the City of Franklin, which shall include an agreement by the City of Franklin to maintain, operate and manage the public access and to defend and hold harmless Payne & Dolan, from and against any claims, actions, or liability arising out of, or relative to public use of the temporary easement, excepting such claims, actions, or liability for which Payne & Dolan would be responsible due to its acts and/or omissions prior to the date of delivery of such temporary easement, but for such agreement. The temporary easement shall expire when water in the quarry reaches the 675 ft. msl elevation. A final contour map of the lake bed shall be provided at that time.

## **IX. Safety**

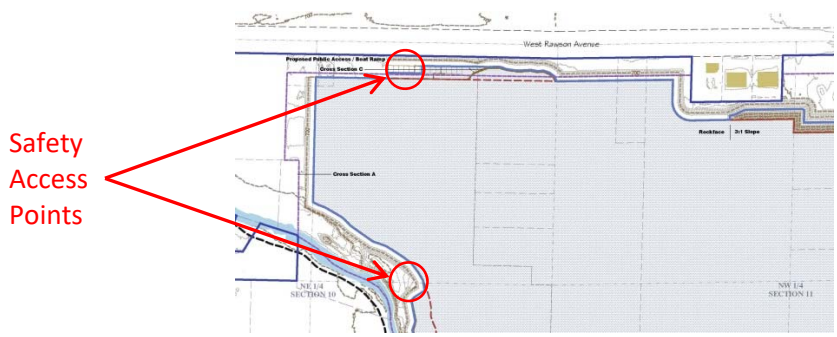
The reclamation of the site will help insure the long term safety to the general public. The site is currently enclosed by a safety fence to limit access. The safety fence shall remain after reclamation until the quarry has filled with water to the projected final lake level.

Approximately 65% of the reclaimed slope around the perimeter of the lake will have 3:1 safety slopes that extend to a minimum depth of 6 ft. as required by NR-135. The remaining 35% of the perimeter of the lake will consist of a rock face. However, there will still be two access points to the lake in this area: (1) the public access ramp and (2) the existing quarry ramp.

The exposed highwalls will have the unconsolidated material scaled back at least 25 feet from the quarry edge (drop-off) to form safety ledges as shown on Sheet 4 – Cross Sections. As an added measure of safety, exposed rock highwalls will be scaled (scraped) to remove loose rock and to minimize the potential for rock-falls.

During the time it takes the quarry lake to fill with water, the existing fence shall remain around the perimeter of the property until the quarry lake fills to the elevation outlined in the reclamation plan. At that time the fence may be removed by Payne & Dolan, however a fence shall remain along the reclaimed rock face high wall areas (as previously shown) until such time as those areas are developed.

Give the close proximity of the northwestern edge of the quarry to West Rawson Avenue, a berm or strategic placement of large boulders or beam guard in addition to the fence shall be added.



**X. Certification of Reclamation**

I hereby certify, as a duly authorized representative or agent, that the reclamation at this nonmetallic mining site will be carried out in accordance with the approved reclamation plan submitted by Payne & Dolan, Inc. I also certify that the information contained herein is true and accurate and complies with the local and statewide nonmetallic mining reclamation standards established in NR-135, Wisconsin Administrative Code.

Signature of representative or agent:

Date signed:

\_\_\_\_ September 1, 2020 \_\_\_\_

\_\_\_\_\_  
Clint G. Weninger, P.G.  
Land Resources Manager  
Payne & Dolan, Inc.



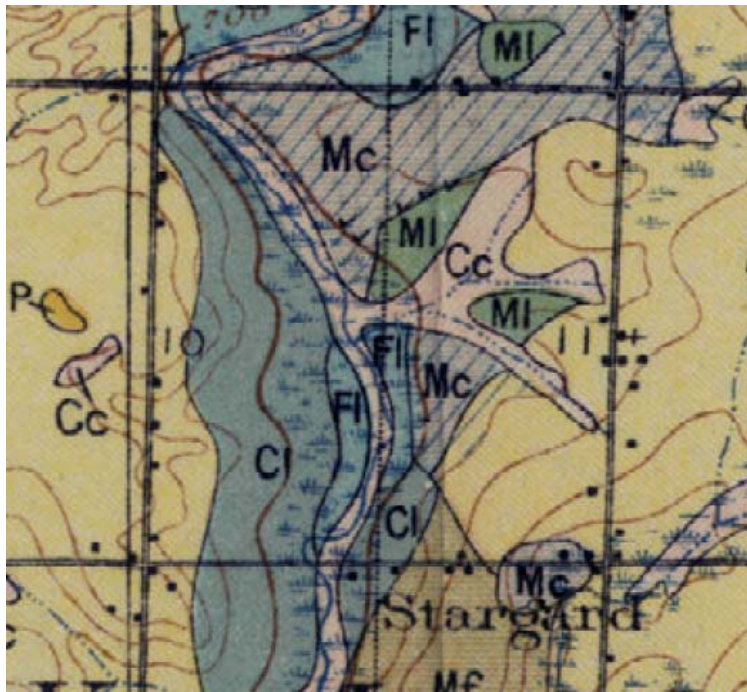
**XI. Soils**



**Current Soils Map**

Source: USDA-NCSS soils information utilizing Google Earth website, 2015

Note: All soils within the quarry extraction area have previously been disturbed.



Historical Soils Map (1918)

Source: USDA Soil Survey of Milwaukee County, WI (1918)

**HISTORICAL SOIL TYPES**

**MI – Miami Loam**

**MIAMI LOAM.**

The surface soil consists of 6 to 10 inches of yellowish or brownish-gray loam to fine sandy loam, and the subsoil differs very little from the soil. At 24 to 30 inches the material is a more compact, sticky yellowish-brown sandy clay loam or loam. Gravelly sandy loam is often encountered at 30 to 36 inches. The soil is slightly variable, being a sticky sandy clay loam in some places and a more open sandy loam in others. Gravel sometimes occurs on sharp knolls, and boulders originally were quite numerous, though most of these have been removed. This soil is intimately associated with the Miami clay loam and silty clay loam, and in places the boundary is largely arbitrary.

**Mc – Miami Clay Loam****MIAMI CLAY LOAM.**

The Miami clay loam consists of 4 to 8 inches of grayish-brown, compact clay loam or silty clay loam, overlying yellowish-brown to reddish-yellow heavy clay loam or clay. Yellowish-brown sandy clay loam or loam occurs at depths of 22 to 30 inches. From 30 to 36 inches the material contains some gravel and often considerable sand.

**Ms – Miami Silty Clay Loam****MIAMI SILTY CLAY LOAM.**

The Miami silty clay loam consists of dark grayish brown compact silt loam, 6 to 10 inches deep, and sometimes containing a relatively large proportion of very fine sand, resting on a subsoil of yellowish-brown clay loam. The material is reddish brown and contains limestone fragments below a depth of 24 to 36 inches.

**Cc – Clyde Clay Loam****CLYDE LOAM.**

The surface soil of the Clyde loam consists of dark-brown to black fine sandy loam, about 8 to 12 inches deep. The upper subsoil is a grayish-yellow or mottled sandy loam containing considerable gravel. The material below 24 to 30 inches is variable, but is generally a sticky clay or yellowish sandy clay loam.

**XII. Groundwater Elevation**

Groundwater elevation and subsequent lake water elevation was originally obtained from a technical report published by the Southeastern Wisconsin Regional Planning Commission. This information provided in this report for this location has been confirmed by two consultants; GAS (now Graef) and most recently by GZA GeoEnvironmental.

Also, groundwater elevations in a well monitored by the United States Geological Survey located on S92<sup>nd</sup> Street just south of Grange Ave. has shown little movement of the groundwater table from 1/7/2000 – 33.01 ft below the ground surface (bgs) to 1/28/2016 – 31.19 ft. bgs.



## Clint Weninger

---

**From:** Bernard Fenelon <bernard.fenelon@gza.com>  
**Sent:** Friday, February 26, 2016 5:16 PM  
**To:** Clint Weninger  
**Subject:** Franklin Quarry Water Levels  
**Attachments:** Recent Construction Reports for Nearby Wells.pdf; Approximate Site Location on SEWRPC Water Table Map.pdf; Map with Well Locations and Water Levels.pdf

You had asked for recent water levels around your Franklin quarry. Sue Karls in our office had this information for me more than a week ago and neglected to send it to you. I have attached a map of the locations of and water elevations in three wells drilled between 1997 and 2014 and after the SEWRPC groundwater flow map. In its map (see attached), SEWRPC had the groundwater elevation around the quarry in the range of 690 feet. Based on the surface elevations of the three homes with recent wells and water depths reported in the wells, the recent groundwater depths have been approximately 685 feet (1997 well) and 693 to 694 feet (2014 wells). Therefore, current groundwater elevations around the Franklin quarry are similar to those reported by SEWRPC. Let me know if you have any additional questions.

### **Bernard G. Fenelon**

#### **Sr. Project Manager**

GZA | 20900 Swenson Drive, Suite 150 | Waukesha, WI 53186  
o: 262-754-2567 | c: 262-424-2045 | [bernard.fenelon@gza.com](mailto:bernard.fenelon@gza.com) | [www.gza.com](http://www.gza.com)

**GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION/MANAGEMENT**



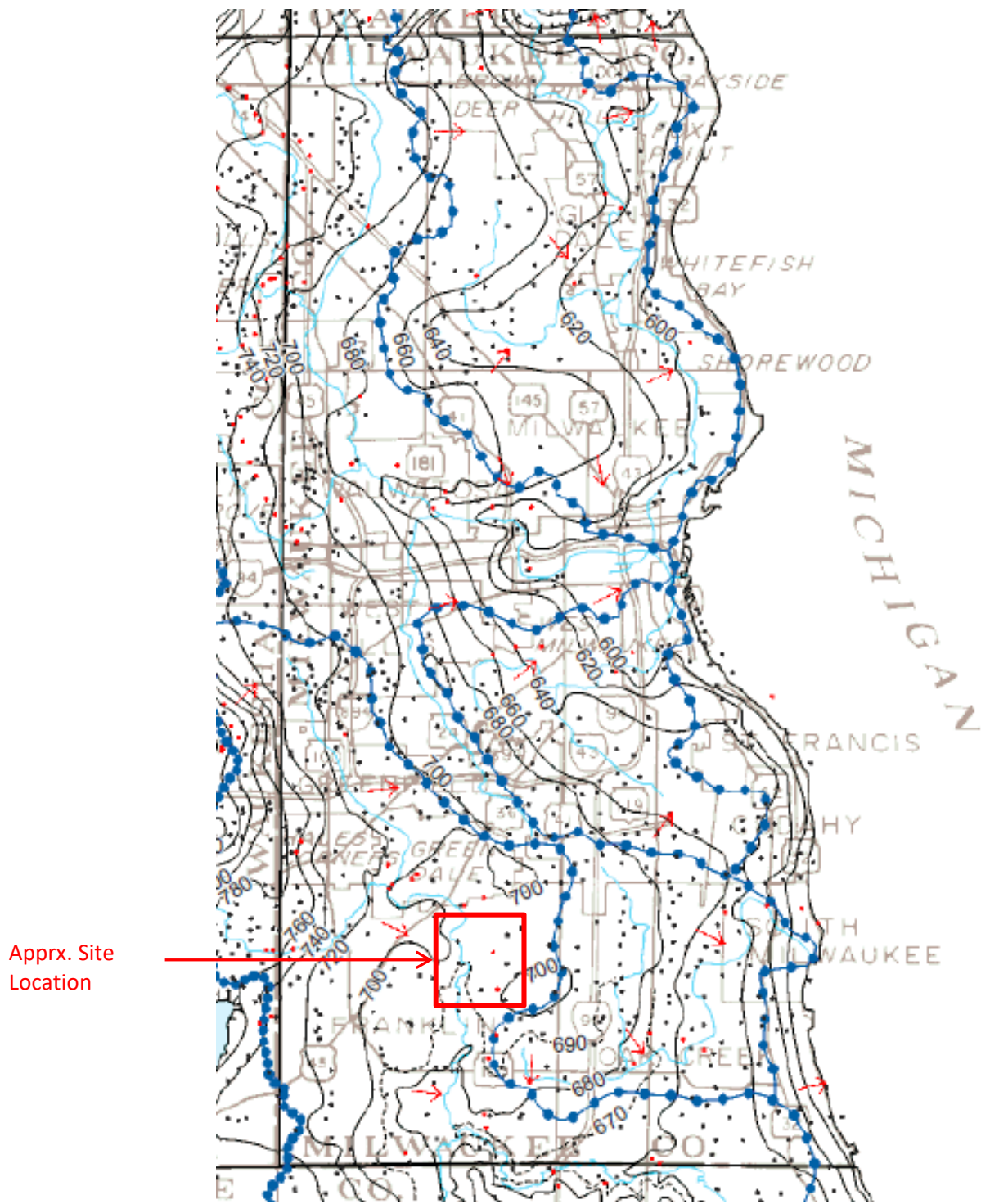
*Proactive by Design. Since 1964.*

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*For information about GZA GeoEnvironmental, Inc. and its services, please visit our website at [www.gza.com](http://www.gza.com).*



Groundwater Elevation Map

Source: Groundwater Resources of Southeastern Wisconsin, Technical Report Number 37, 2002, SEWRPC and WSGNS, p 81.

Map of the regional water table elevations developed by the Southeastern Wisconsin Regional Planning Commission and the Wisconsin State Geological and Natural History Survey. Note that the site is located at the 690 feet msl auxiliary contour.

PROJECT FACT SHEET

Franklin Aggregates Reclamation Project - Franklin, Wisconsin

Payne & Dolan currently operates Franklin Aggregates, a limestone quarry located in Franklin, Wisconsin. Payne & Dolan recently received approval from the City of Franklin to expand the site. The approval required the processing and operations activities that occurred on grade west of the Root River to be relocated and the area to be reclaimed prior to January 1, 2004. The project included (1) relocating the offices, scale and maintenance facilities to a location north of the Root River; (2) relocating the crushing, processing and stockpiling operations to the floor of the quarry; (3) removing the vehicle and equipment river crossings across the Root River; and (4) reclaiming the 25 acre former operations area.

After the office, scale and maintenance facilities were relocated and the crushing equipment and aggregate stockpiles were removed, clay soils and topsoil were re-distributed across the parcel and fine graded to present a uniform appearance. Upon completion of the fine grading, reclaimed slopes were seeded, fertilized and mulched to establish and maintain a dense self-sustaining vegetative cover. Seeding utilized a blend of grasses consisting of Kentucky Bluegrass, Red Fescue, Hard Fescue, Tall Fescue and perennial Ryegrass. Erosion control measures such as rip-rap, erosion mat, and silt fence were installed to minimize off-site erosion until a dense vegetative cover has been established.



PAYNE & DOLAN  
INCORPORATED







OPERATIONS AREA



RIVER CROSSINGS

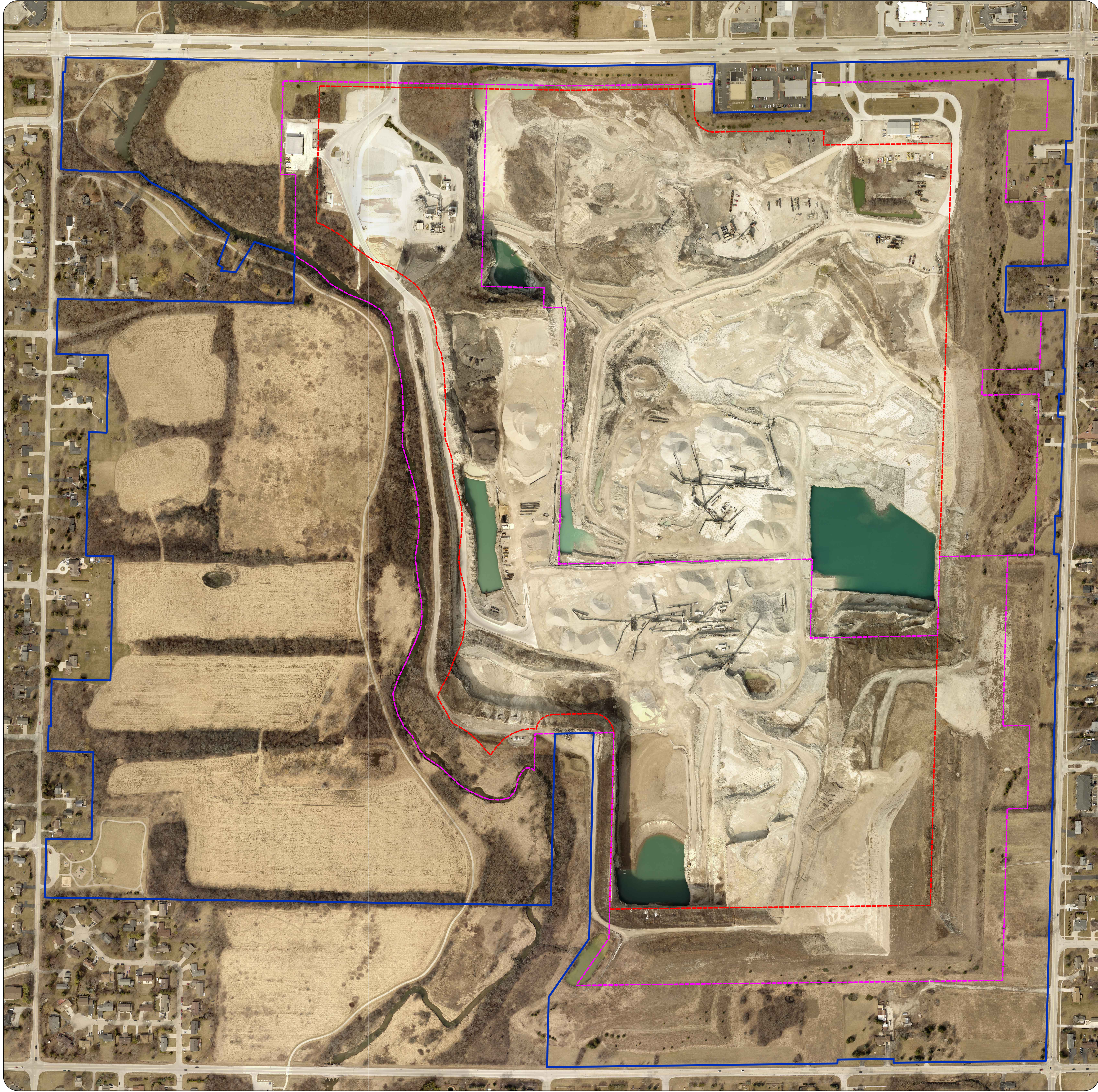




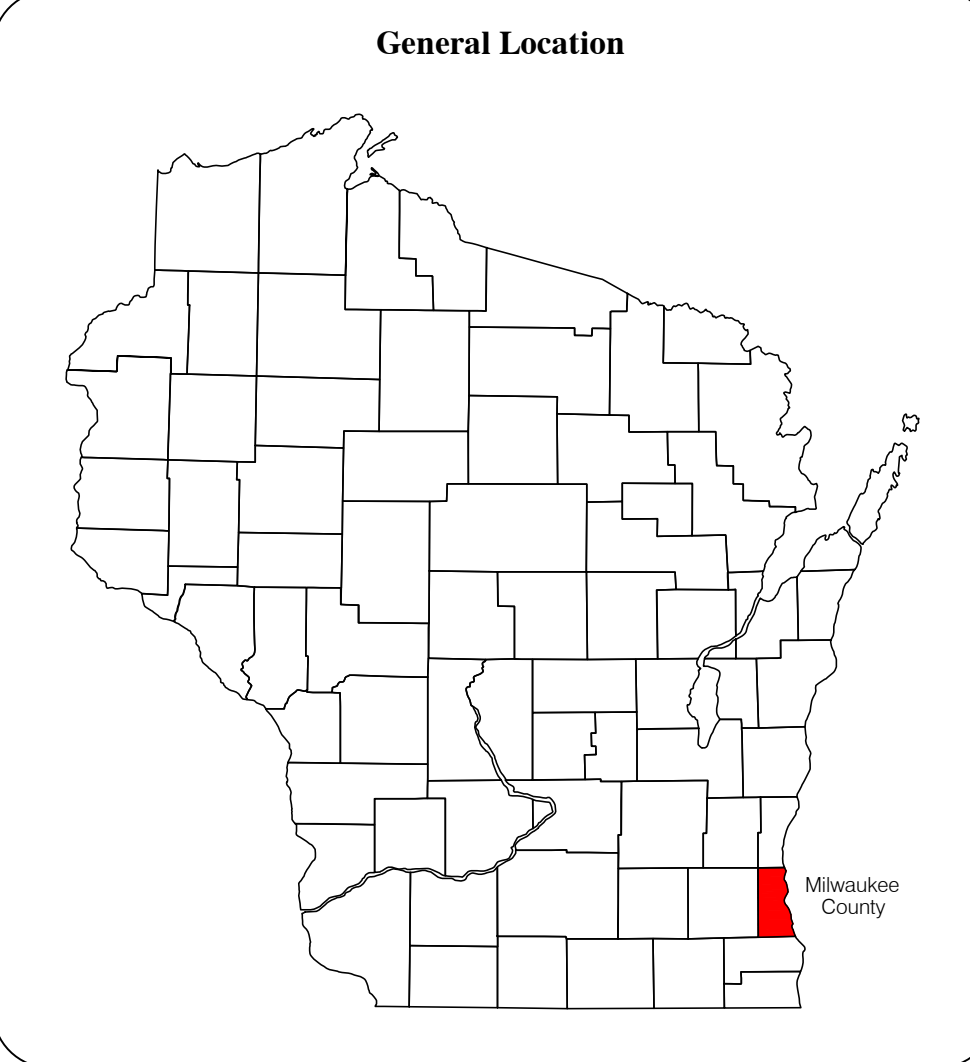
PDD REQUIREMENTS



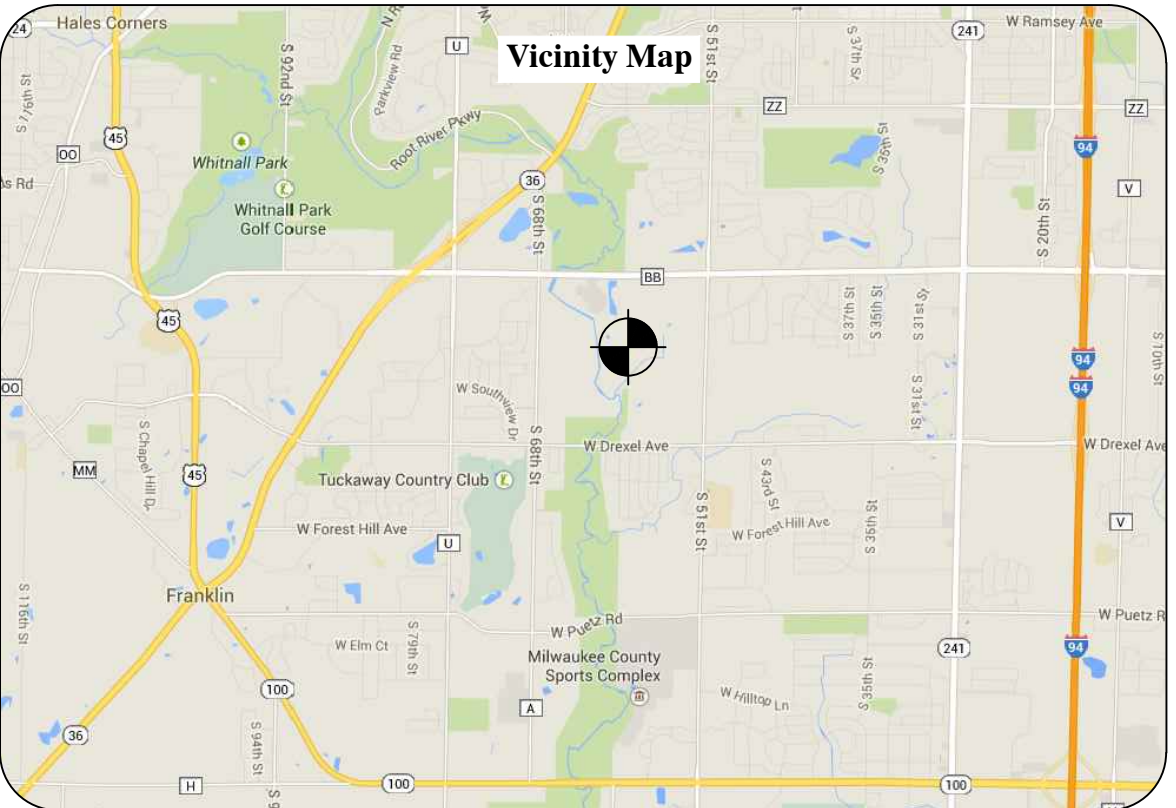




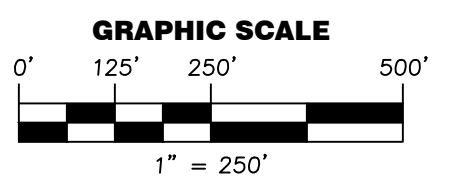
2018 Aerial obtained from Milwaukee County GIS



V.f.b.



PLAN INDEX	
SHEET NUMBER	DESCRIPTION
1	AERIAL
2	EXISTING CONDITIONS
3	FINAL CONDITIONS
4	CROSS SECTIONS
5	FINAL CONDITIONS - CONCEPTUAL



**1**

SHEET 1 OF 5

**RECLAMATION PLAN - 2018 AERIAL**

Franklin Aggregate Site  
 East 1/2 Section 10, West 1/2 Section 11  
 Milwaukee County, Wisconsin

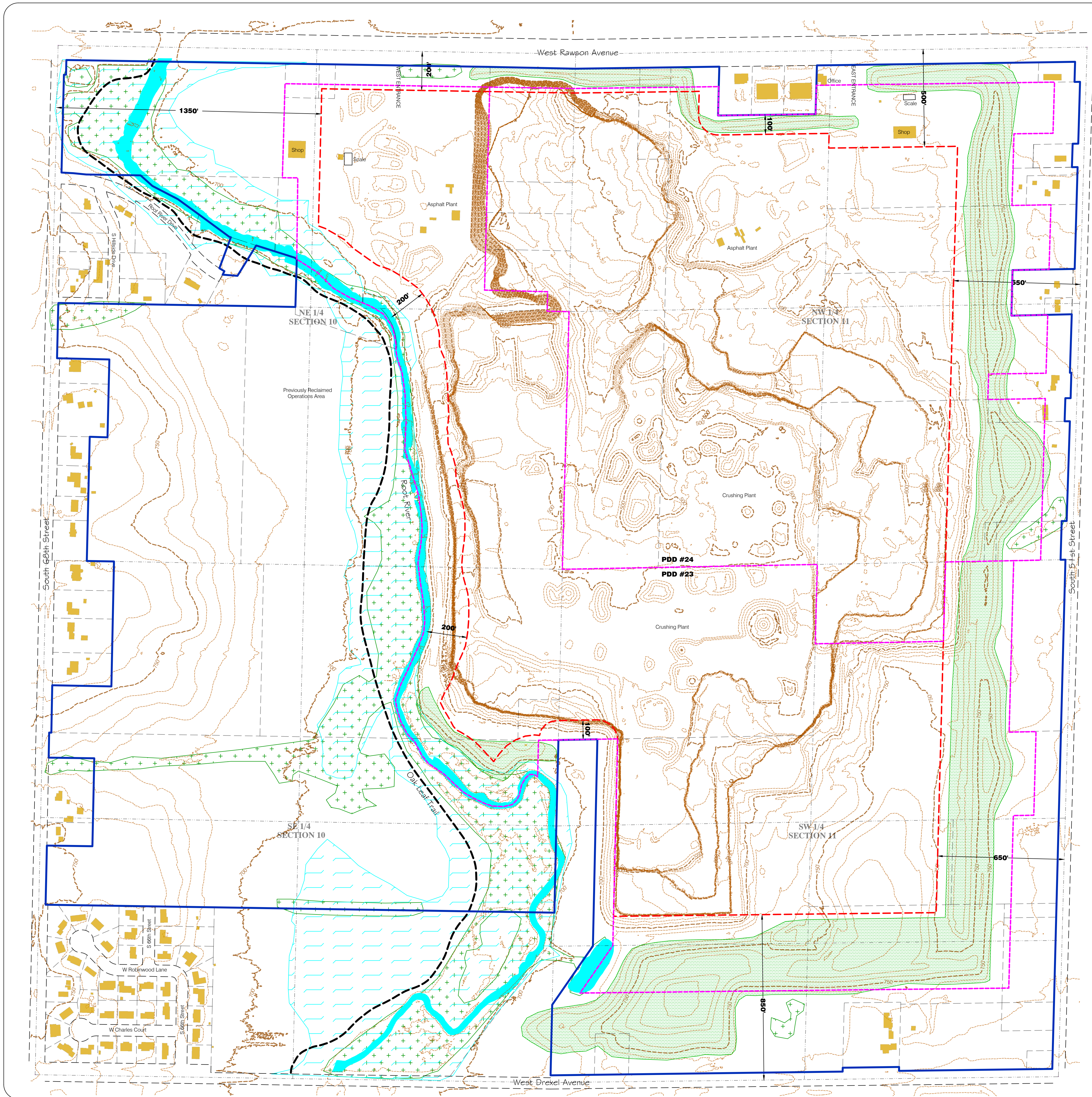
Date: August 2020 Site #: 80370 Drawn By: JS

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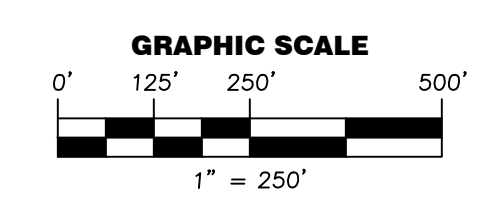


DISCLAIMER: Some of the information shown on these maps has been obtained and compiled from various state, county, municipal and private sources that are maintained by their sources for a wide variety of purposes and are of varying age, reliability and resolution. Therefore, the contents are supplied for reference purposes only and Payne & Dolan cannot guarantee the quality, content, accuracy, completeness or currency of the information obtained from these sources and provided herein.



**Legend**

- Property Boundary
- Planned Development District
- Mining Limit
- Existing Barrn
- Contour Major - 50' interval
- Contour Minor - 10' interval
- Section Lines
- Tax Parcel Lines
- Road Right-of-way
- Water Feature
- Wetlands
- Floodplain



Topographic and Parcel information obtained from Milwaukee County Land Information Office

**2** SHEET 2 OF 5

**EXISTING CONDITIONS**

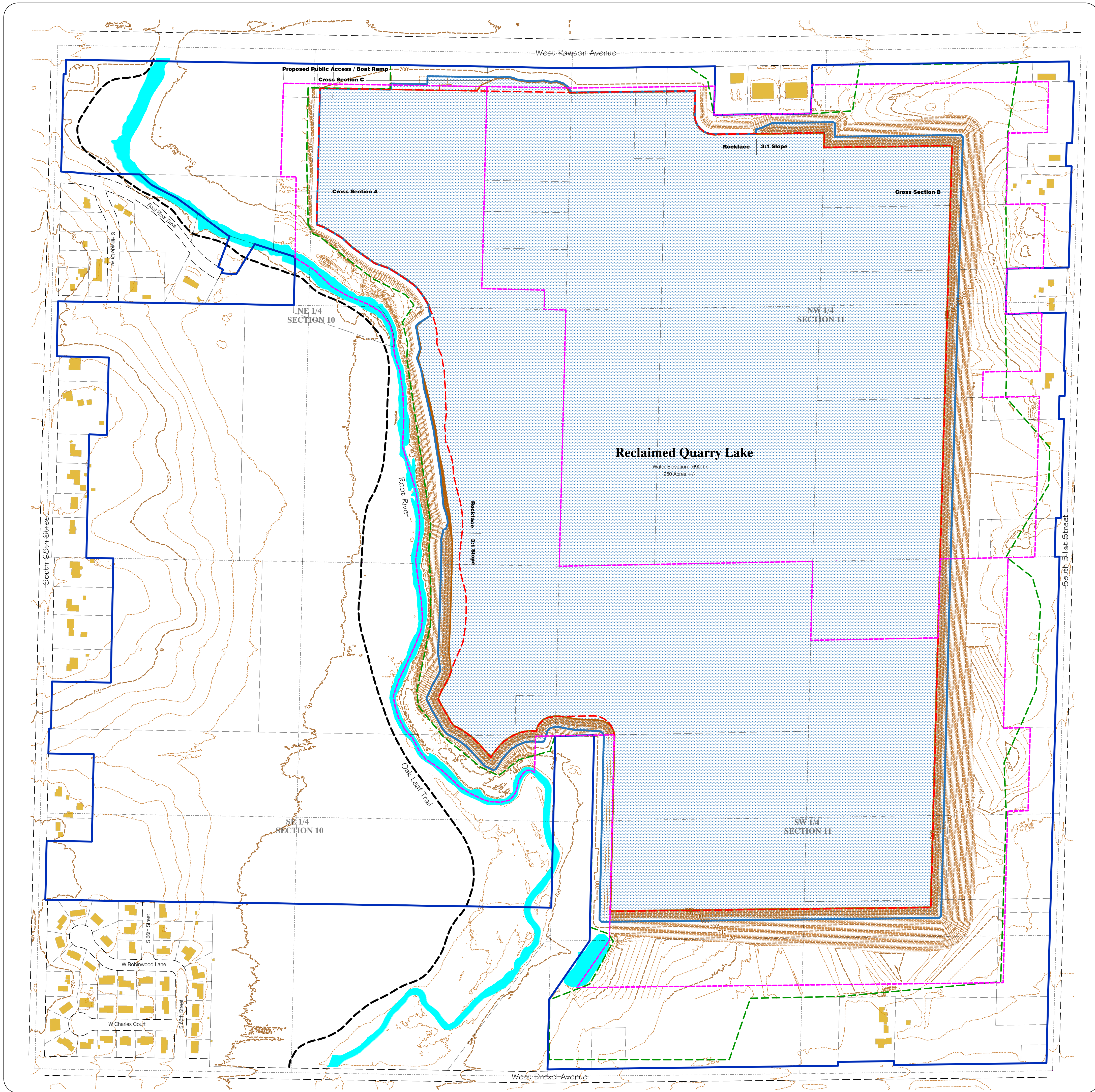
Franklin Aggregate Site  
East 1/2 Section 10, West 1/2 Section 11  
Milwaukee County, Wisconsin

Date: August 2020 Site #: 80370 Drawn By: JS

**Payne+Dolan**  
A VALDES COMPANY

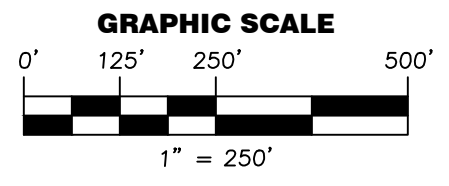
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**Legend**

- Property Boundary
- Planned Development District
- Mining Limit
- Grading Extent
- Proposed Lake
- Contour Major - 50' Interval
- Contour Minor - 10' Interval
- Contour Minor - 2' Interval
- Section Lines
- Tax Parcel Lines
- Road Right-of-way
- Water Feature



**3**

**FINAL CONDITIONS**

Franklin Aggregate Site  
East 1/2 Section 10, West 1/2 Section 11  
MILWAUKEE COUNTY, WISCONSIN

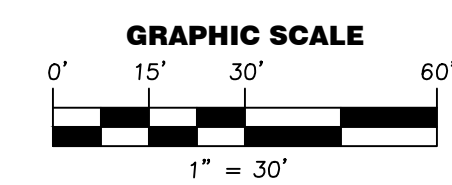
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SHEET 3 OF 5

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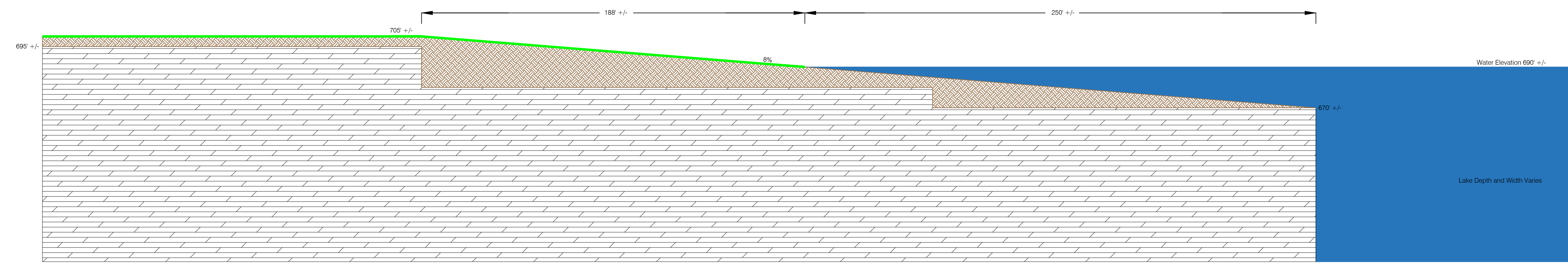


**Cross Section A - RockFace**

**Cross Section B - 3:1 Slope**



**Cross Section C - Boat Ramp**



**4**

SHEET 4 OF 5

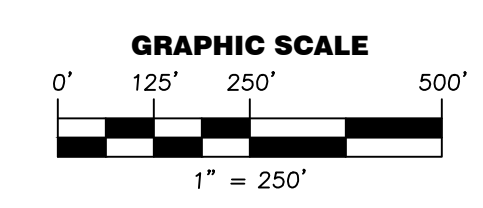
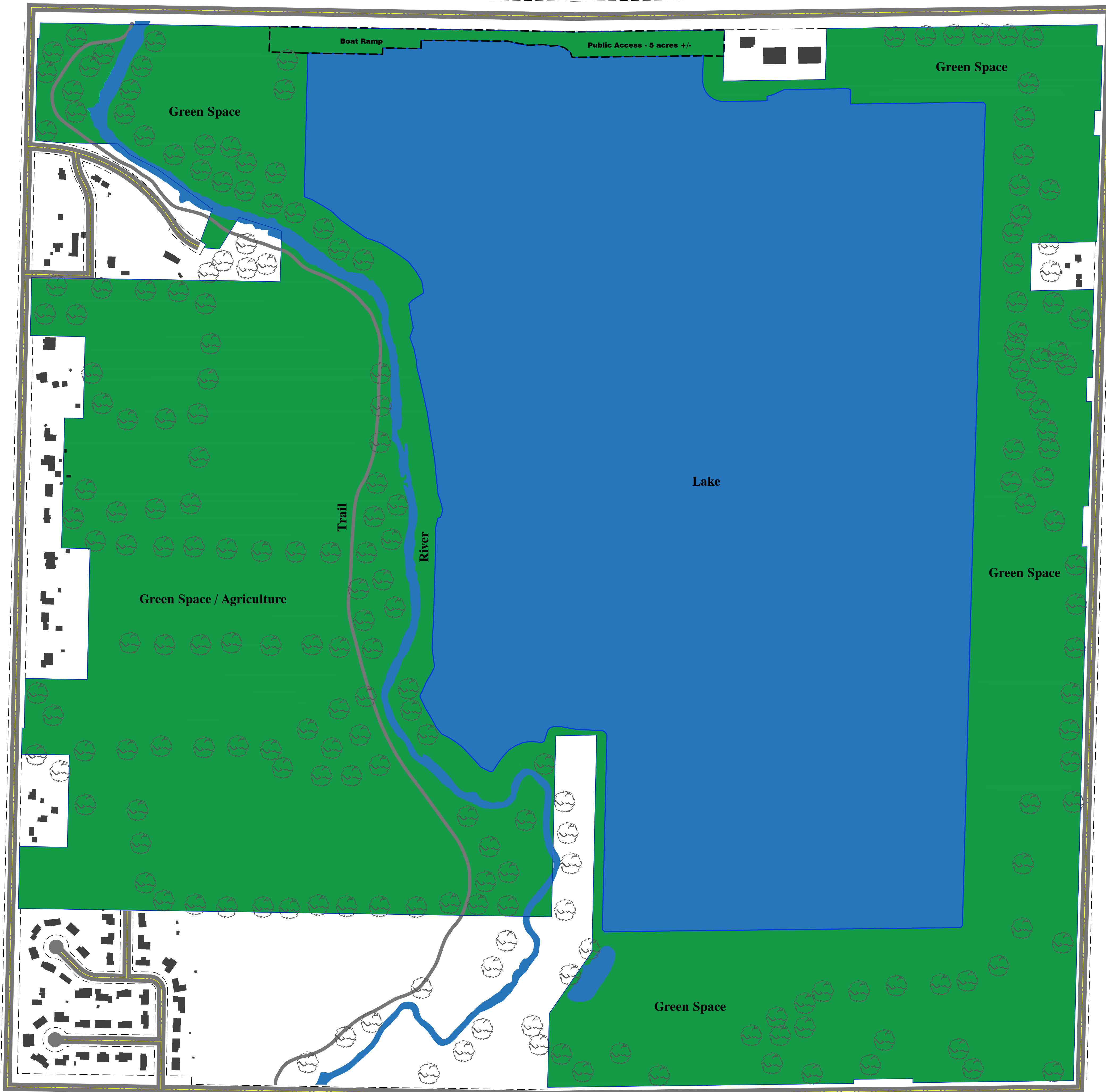
**CROSS SECTIONS**

Franklin Aggregate Site  
 East 1/2 Section 10, West 1/2 Section 11  
 Milwaukee County, Wisconsin

Date: August 2020 Site #: 80370 Drawn By: JS

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**FINAL CONDITIONS - CONCEPTUAL**

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Franklin Aggregate Site  
 Section 10, West 1/2 Section 11  
 Town of Franklin, Walworth County, Wisconsin  
 Date: August 2020 | Site #: 80370 | Drawn By: JS

**5**

SHEET 5 OF 5



<p style="text-align: center;"><b>APPROVAL</b></p> <p style="text-align: center;"><i>Slw</i></p>	<p style="text-align: center;"><b>REQUEST FOR COUNCIL ACTION</b></p>	<p style="text-align: center;"><b>MEETING DATE</b></p> <p style="text-align: center;">January 22, 2019</p>
<p style="text-align: center;"><b>REPORTS AND RECOMMENDATIONS</b></p>	<p style="text-align: center;"><b>Update from the Quarry Monitoring Committee on the suggested potential recommendations to address citizen questions and concerns, as directed the by Common Council.</b></p>	<p style="text-align: center;"><b>ITEM NUMBER</b></p> <p style="text-align: center;"><i>G.H.</i></p>

At the December 4, 2018 meeting of the Common Council, Alderman Taylor moved to direct staff to review and address all of the suggested potential recommendations from the Quarry Monitoring Committee (QMC) and return to the Common Council when appropriate upon sufficient fact finding, with an update no later than February 1, 2019. Seconded by Alderman Dandrea. All voted Aye: motion carried.

The below potential recommendations are a direct result of citizen comments and questions. Given the QMC is a recommending body to the Council, any direction or action on the listed items would fall under the jurisdiction of the Common Council.

**Citizen requests that can be addressed by staff direction:**

1. Add Quarry packets to the online system (Mark L.)
2. Quarry information on the website to be updated (Mark L.)
3. QMC meetings held in the Council chambers for better sound and recording (Joel D.)
4. Previous QMC article to be distributed to residents (1-pg. newsletter of website information and associated cost)
5. Allow citizen access to online blasting information (in progress – Joel/Stantec)
6. Continue to work on citizen questions to bring back before the Council (as previously directed)
  - Note: Many of the questions pertaining to item 6 have been answered but need to be collated and summarized. This is to be placed on the February agenda.

**Citizen requests that involve additional Council attention:**

1. Renew the monitoring contract (see Stantec contract on agenda)
  2. Provide additional monitoring when blasting is not halted over the winter season (see Stantec contract)
  3. Approval a different monitoring system as suggested by Stantec (see Stantec contract)
  4. Review of the Stantec survey related to the blasting distance from the S. 51<sup>st</sup> St. centerline (as set within the PDD)
  5. Review proximity to homes and current blasting levels allowed (as set within the PDD)
  6. Review QMC appointments in consideration of adding interested citizens (some terms are ending in 2019)
  7. Update the Council on the content and status of the *Quarry Reclamation Plan* (QMC completed its review)
- \* Note: 1-3 Could be addressed within the renewed Stantec monitoring contract on the agenda.

**COUNCIL ACTION REQUESTED**

1. Motion to direct staff to act upon the citizen requests as enumerated within items 1-6 (state which or all items to be acted upon) with an update by (set date).  
and
2. Motion to bring forth for Council action items 1-7 (or state which items) with an update by (date).



**APPROVED FEBRUARY 5, 2019**CITY OF FRANKLIN  
COMMON COUNCIL MEETING  
JANUARY 22, 2019  
MINUTES

- |   |      |  |
|---|------|--|
| ROLL CALL   | A.   | The regular meeting of the Common Council was held on January 22, 2019 and called to order at 6:30 p.m. by Mayor Steve Olson in the Franklin City Hall Council Chambers, 9229 W. Loomis Road, Franklin, Wisconsin. On roll call, the following were in attendance: Alderman Mark Dandrea, Alderman Dan Mayer, Alderwoman Kristen Wilhelm, Alderman Steve F. Taylor, Alderman Mike Barber and Alderman John R. Nelson. Also present were City Engineer Glen Morrow, Dir. of Administration Mark Luberd, City Attorney Jesse A. Wesolowski and City Clerk Sandra Wesolowski. |
| CITIZEN COMMENT   | B.1. | Citizen comment period was opened at 6:31 p.m. and closed at 7:02 p.m.   |
| JANUARY ICC MEETING   | B.2. | Mayor Olson reported on the Intergovernmental Cooperation Council meeting held on January 14, 2019 in the Village of Greendale.  |
| MINUTES JANUARY 8, 2019   | C.1. | Alderman Barber moved to approve the minutes of the regular Common Council meeting of January 8, 2019, as presented. Seconded by Alderman Dandrea. All voted Aye; motion carried.  |
| MAYORAL PROCLAMATION  | G.1. | Mayor Olson presented a Proclamation for Light and United RED (County-wide annual initiative to shine a spotlight on the dangers of substance misuse).   |
| APPT. OF DIR. OF HEALTH & HUMAN SERVICES  | G.2. | Alderman Barber moved to confirm the Mayoral appointment of Courtney Day, RN, BSN, as Director of Health and Human Services conditioned on a successful background check, drug screen, and State certification. Seconded by Alderman Mayer. On roll call, all voted Aye. Motion carried.   |
| DONATION TO FIRE DEPT.  | G.3. | Alderman Mayer moved to accept the donation in the amount of \$300 from Salvador and Erlinda Salud to the Fire Department to be used for fire prevention, education programs and other safety initiatives in the community. Seconded by Alderwoman Wilhelm. All voted Aye; motion carried.   |
| <div style="border: 2px dashed orange; padding: 5px; display: inline-block;">           QUARRY MONITORING COMMITTEE UPDATE         </div> | G.4. | Alderwoman Wilhelm moved to direct staff to act upon the following citizen requests, with an update by the second meeting in March, 2019: Add Quarry Monitoring meeting packets to the online system; Update Quarry information on the website; Quarry   |

Monitoring meetings to be held in the Council Chambers for better sound and recording; Allow citizen access to online blasting information; Continue to work on citizen questions to be brought before the Common Council; and further that the previous Quarry Monitoring Committee newsletter article be addressed as a short write-up with a link to the website. Seconded by Alderman Barber. All voted Aye; motion carried.

Alderman Wilhelm further moved to bring forth the following Council action items, with an update by the second meeting in March, 2019: Review of the Stantec survey related to the blasting distance from the S. 51st Street centerline (as set within the Planned Development District); Review the proximity to homes and current blasting levels allowed (as set within the PDD); Update the Common Council on the content and status of the Quarry Reclamation Plan; and Review the Quarry Monitoring Committee appointments in consideration of adding interested citizens, with this item to be addressed in the Mayor's appointments. Seconded by Alderman Barber. All voted Aye; motion carried.

CONTRACT FOR 2019  
QUARRY  
MONITORING

G.5. Alderman Barber moved to approve the 2019 Quarry Monitoring Professional Services Agreement with Attachment A containing service details and costs as provided by Stantec Consulting Services, Inc., contingent upon review by the Quarry Monitoring Committee and if no objections, with the Mayor's signature to be held until the Quarry Monitoring Committee makes its final recommendation, and to authorize staff to enter into said agreement not to exceed \$46,000 subject to technical corrections by staff and the City Attorney. Seconded by Alderman Nelson. All voted Aye; motion carried.

HOFFER CLAIM FOR  
EXCESSIVE  
ASSESSMENT

G.6. Alderman Wilhelm moved to table to the next meeting the Claim for Excessive Assessment submitted by Lawrence Hoffer for Parcel 740-0122-000. Seconded by Alderman Mayer. Alderman Wilhelm withdrew her motion and Alderman Mayer then withdrew his second.

Alderman Taylor moved to deny the Claim on Excessive Assessment, Parcel 740-0122-000 by Lawrence Hoffer in accordance with Wis. Stats. §74.37 for the reasons submitted by City Assessor Mark Link in his memorandum dated January 14, 2019. Seconded by Alderman Dandrea. On roll call, Alderman Dandrea, Alderman Taylor, Alderman Barber voted Aye; Alderman Mayer, Alderman Wilhelm, and Alderman Nelson voted No. Mayor Olson broke the tie by voting in the affirmative. Motion carried.



<b>APPROVAL</b> <i>Slw</i>	<b>REQUEST FOR COUNCIL ACTION</b>	<b>MEETING DATE</b> 03/19/19
<b>REPORTS &amp; RECOMMENDATIONS</b>	<b>STATUS UPDATE FROM THE QUARRY MONITORING COMMITTEE (QMC) AS DIRECTED BY THE COMMON COUNCIL</b>	<b>ITEM NUMBER</b> <i>G, 3,</i>

At the December 4, 2019 Council meeting, Alderman Taylor moved to direct staff to review and address all of the suggested potential recommendations from the Quarry Monitoring Committee (QMC) and return to the Common Council when appropriate upon sufficient fact finding, with an update no later than February 1, 2019.

As a follow up to the February 1<sup>st</sup> deadline above, at the January 22, 2019 meeting, the Council approved to direct staff to act upon the below citizen requests, with an update by the second meeting in March, 2019:

1. Add Quarry Monitoring meeting packets to the online system **Status:** Complete
2. Update Quarry website information. **Status:** Ongoing, with map recently updated.
3. QMC meetings held in the Council Chambers **Status:** Acceptable, as room is available.
4. Citizens may request blasting information via Aldermen. **Status:** Available by request.
5. Citizen questions to come before the Council. **Status:** List needs staff information.
6. QMC newsletter article will be a short write-up with web link. **Status:** A version went to print.

The Council, on January 22, 2019 further approved a second motion to bring forth the following Council action items, with an update by the second meeting in March, 2019:

7. Review of the Stantec survey related to the blasting distance from the S. 51st Street.
8. Review the proximity to homes and current blasting levels allowed per the PDD.
9. Update the Common Council on the content and status of the Reclamation Plan.
10. Review the QMC appointments in consideration of adding interested citizens, with this item to be addressed in the Mayor's appointments

#### STATUS FOR ITEMS # 7 & 8

It should be noted that residents have requested items 7 & 8 be given the *highest priority*. Due to the amount of information needed and request to address items 7 & 8 as a higher priority, the QMC recommends items 9 & 10 be addressed at a future Council meeting.

7. **Stantec survey related to the blasting distance from S. 51<sup>st</sup> St.** - Stantec Consulting Services Inc. (Stantec) was retained by Franklin to complete survey services related to the 650 ft. blasting setback from 51<sup>st</sup> St. Stantec provided Field Survey Reports to the QMC dated July 15, 2016 and June 12, 2017. Survey data was requested to help identify the Extraction Limit set within PDD 23 & 24.

The City Attorney provided a memo dated January 11, 2017 in regard to the "centerline" and "extraction area". The memo advises that the Extraction Area Boundary is from the then centerline of 51st. Street out 650 feet and that no limestone shall be extracted from within that 650 feet. It further advises that where the centerline is now or was is an engineering matter.

It is clear that nothing is to be extracted from 650 feet west of the 51st Street centerline. Therefore, Stantec measured pavement to pavement to determine the centerline of the street. However, some individuals believe the centerline moved because the centerline was surveyed 1.4 to 2.6 feet from the section line.

Because of this difference, Stantec provided both the distance 650 feet from the section line and 650 feet from the centerline.

The 2016 survey indicates when using the centerline, the northern area B (not yet blasted) had *material* at its maximum of 9.61 feet over into the setback. For the southern area A (quarried) the *top of wall* at its maximum is 8.39 feet over into the setback. It is important to note, however, that a portion of the safety shelf in the northern portion of Area A has eroded thus causing the top of the wall measurement to be farther east than the actual vertical wall. Using the section line, the setbacks were 7.09 feet and for 6.66 feet over, respectively. (See survey attached).

The 2017 surveys are labeled Area B, the northern section, which had not previously been quarried. Both centerline and survey line for Area B indicate the excavation at its minimum is 4.16 feet clear of the setback. Therefore, one could conclude Area B surface *material* over into the setback in 2016 was not a factor in 2017 after a defined wall was blasted. (See survey attached).

8. **Review the proximity to homes and current blasting levels allowed per the PDD.** - Residents have compellingly requested if the blasting levels set forth within the Quarry operations guiding documents (known as PDD 23 & 24) can be reviewed to better protect the health, safety and welfare of the community. It has been pointed out to the QMC and the Council that the PDD's were approved in 1997 (22-years previously) and at that time, the blasting activity was much further from residential homes. The pertaining sections of the PDD are attached and the City attorney is asked to opine on the ability to revisit the standards.

Recommendation: Item 7: Due to the length of time from the last survey and also the need for defining the southern blasting area adjacent Drexel Avenue, where blasting is occurring more often, the QMC recommends a new survey of both the North/South boundary along 51<sup>st</sup> St and the East/West Drexel boundary and that a defined location of the centerline be set, and that surveying funds come from the General Fund, or as appropriate. The costs is estimated to be \$ 3,000 per survey/measurement (\$6,000 total) based on the previously funded survey.

Further, due to the question of the centerline being an engineering matter, it would save survey costs if there could be a determination on the proper survey point, thereby allowing survey data from one central point.

Recommendation: Item 8: Based on citizen request and concerns, the City attorney is asked to opine on the ability to revisit the PDD blasting standards.

### COUNCIL ACTIONS REQUESTED

Motion to approve an amendment to the Quarry Monitoring Professional Services Agreement for 2019 to include the addition of a new survey of both the North/South boundary along 51<sup>st</sup> Street and the East/West boundary along Drexel Avenue and that the surveying funds come from the General Fund, or as appropriate, at a cost not to exceed \$6,000 and to direct engineering to determine the survey point of reference prior to survey commencement.

Motion to direct the City Attorney to provide an opinion on the ability of the City to revisit the Planned Development District (PDD) No. 23 and 24 standards pertaining to blasting levels allowed by the two PDD's.

STATUS UPDATE FROM  
QUARRY MONITORING  
COMMITTEE AND  
PDD NO. 23 AND 24  
STANDARDS

G.3. Alderwoman Wilhelm moved to approve an amendment to the Quarry Monitoring Professional Services Agreement for 2019 to include the addition of a new survey of both north/south boundary along S. 51st Street and the east/west boundary along W. Drexel Avenue and that the surveying funds come from the General Fund (Contingency), or as appropriate, at a cost not to exceed \$6,000 and further that the survey point would be from the current centerline of S. 51st Street. Seconded by Alderman Barber. All voted Aye; motion carried.

Alderwoman Wilhelm moved to have staff address the existing complaint regarding the setback as it relates to the field of loose material beyond the blasting area, and the survey needs to address blasting areas and that a letter be sent to Payne and Dolan notifying them of the City's concerns and the request to fund an additional survey in the Stantec contract for this year, and to address any fine language within the letter. Seconded by Alderman Barber. All voted Aye; motion carried.

Alderwoman Wilhelm moved to direct the City Attorney to provide an opinion on the ability of the City to revisit the Planned Development District No. 23 and 24 Standards pertaining to blasting levels allowed by the two PDDs with a date to return back to the Council no later than the last meeting in June 2019. Seconded by Alderman Barber. All voted Aye; motion carried.

REPLACEMENT OF FIRE  
ENGINE

G.5. Alderman Taylor motion to authorize the Mayor and Director of Clerk Services, and other staff as required, to execute a purchase contract, funded through the Equipment Replacement Fund, with Seagrave Fire Apparatus, LLC, for replacement of Engine #206, a 1999 Fire Engine, with a 2019 Seagrave Model TB50CA, Marauder Pumper for \$633,395. Seconded by Alderman Dandrea. All voted Aye; motion carried.

RES. 2019-7474  
CONDITIONALLY  
APPROVING A  
CONDOMINIUM PLAT  
FOR PARK CIRCLE  
CONDOMINIUMS (9733  
S. 76TH ST.) (NEUMANN  
DEVELOPMENTS, INC.,  
APPLICANT)

G.6. Alderman Nelson moved to adopt Resolution No. 2019-7474, A RESOLUTION TO AMEND RESOLUTION NO. 2017-7291, A RESOLUTION CONDITIONALLY APPROVING A CONDOMINIUM PLAT FOR PARK CIRCLE CONDOMINIUMS AT APPROXIMATELY 9733 SOUTH 76TH STREET (NEUMANN DEVELOPMENTS, INC., APPLICANT), TO INCLUDE AND DEPICT ALL PROPOSED 54 CONDOMINIUM UNITS UPON THE PLAT, INCLUDING IN THE WIS. STAT. §703.26 EXPANDING CONDOMINIUM AREAS; TO RATIFY AND APPROVE NUNC PRO TUNC THE RECORDING OF THE PLAT ON FEBRUARY 21, 2019 AS DOCUMENT #10849951; TO WAIVE ANY PRIOR REGULATORY TIME LIMITS FOR THE RECORDING OF THE PLAT; TO AUTHORIZE DEPARTMENT