

CITY OF FRANKLIN  
QUARRY MONITORING COMMITTEE\*  
MEETING AGENDA

Franklin City Hall, Common Council Chambers  
9229 W. Loomis Road, Franklin, Wisconsin 53132  
Thursday, March 28, 2019, 6:00 p.m.

- I. Call to Order and Roll Call
- II. Approval of Minutes
  - a. Regular meeting of February 28, 2019.
- 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
  - a. None.
- V. Business (Action may be taken on any item)
  - a. Update from the Quarry Monitoring Committee Aldermanic Representatives related to Item G.3. of the March 19, 2019 Common Council meeting, with further action(s) as may be needed as a result of the Council's direction. This is to include all items from the March 19th Council action sheet (attached)
  - b. Review and discussion of citizen questions pertaining to the Payne & Dolan quarry blast of October 1, 2018.
  - c. Status Report on the Updated Quarry Reclamation Plan prepared by Payne & Dolan and recommended for approval by the Quarry Monitoring Committee.
  - d. Updates from the Planning Manager about matters pertaining to citizen complaints, staff's quarry monitoring activities, and the consultant's quarry monitoring activities.
- 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**  
**February 28, 2019**  
**Minutes**

unapproved

**I. CALL TO ORDER**

Alderman Wilhelm called the February 28, 2019 Quarry Monitoring Committee meeting to order at 6:03 p.m. in the Common Council Chambers at Franklin City Hall, 9229 West Loomis Road, Franklin, Wisconsin.

Present were Alderman Kristen Wilhelm, Alderman Mike Barber, Member Margie Shore, Member Fred Knueppel, and Member Andrew Ruffing. Also present were Alderman John Nelson, Planning Manager Joel Dietl, Clint Weninger, Derek Novotny, and David Klein of Payne & Dolan, and Mike Spors of Vibratech.

**II. APPROVAL OF MINUTES**

- a. Regular meeting of January 31, 2019.

Member Knueppel moved and Member Ruffing seconded approval of the January 31, 2019 minutes of the regular meeting of the Quarry Monitoring Committee. On voice vote, all voted 'aye'. Motion carried.

**III. CITIZEN COMMENT PERIOD**

Eight persons spoke in regard to the status of the questions previously raised by neighbors of the quarry, information to be included within the City newsletter and website, the City's quarry complaint process, changes to the Planned Development District, etc.

**IV. HEARINGS**

- a. None.

No action needed. None taken.

**V. BUSINESS**

- a. Update from the Quarry Monitoring Committee Aldermanic Representatives related to Item G.4. of the January 22, 2019 Common Council meeting, with further action(s) as may be needed as a result of the Council's direction. This is to include all items from the January 22, 2019 Council action sheet, specifically but not limited to:
- i. Review and discussion related to quarry information updates needed on the City's website, informational pamphlet, etc.

The Quarry Monitoring Committee and Mr. Clint Weninger discussed the status of the aerial photograph of the Payne & Dolan quarry. The Committee and Planning Manager Dietl discussed the quarry related information presented in the current City newsletter.

- c. Information Presentation by Vibra-Tech regarding the Payne & Dolan quarry monitoring.  
[Note: This item was moved up on the agenda by the Quarry Monitoring Committee]

Alderman Barber noted that copies of the Payne & Dolan blast information for the months of December and January were available.

Mr. Mike Spors of Vibra-Tech gave a powerpoint presentation about Vibra-Tech's blast monitoring of the quarry, including a discussion of the PDD blast limits, and State and Federal blast limits.

The Quarry Monitoring Committee and citizens in the audience asked Mr. Spors various questions about recent blasts at the Payne & Dolan quarry.

Member Knueppel left at 7:42pm and returned at 7:45pm.

a.

- ii. Consideration for a suggested resolution via a detailed write up to the Common Council related to the survey and the centerline of S. 51<sup>st</sup> Street.

The Quarry Monitoring Committee discussed the draft Council Action Sheet prepared on this matter. The Committee and Mr. Weninger discussed blast monitoring and the provision of that information and a blasting schedule, to the City earlier if possible.

Alderman Barber noted that information about Payne & Dolan's tax revenues is now available, and will be provided in the next Committee packet.

The Committee also discussed the survey memos prepared by Stantect in 2016 and 2017.

The Committee discussed certain changes to the draft Council Action Sheet, and generally agreed that items #9 and #10 would be addressed at a future Common Council meeting, but that items #7 and #8 would be the main focus of the draft Council Action Sheet for presentation to the Council in March.

Alderman Barber moved and Member Knueppel seconded a motion recommending to the Common Council that 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 Quarry Monitoring Committee 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 comes from the General Fund, or as appropriate. The cost is estimated to be \$\_\_\_\_\_ (amount to be filled in by the Planning Manager based on the previously funded survey). On voice vote, all voted 'aye'. Motion Carried.

- iii. Status report on the review of the Planned Development District Ordinances by the Common Council, including discussion of the Fire Department review of blast records.

It was noted that this item was discussed during Item V.a.ii.

- iv. Status report on the Updated Quarry Reclamation Plan prepared by Payne & Dolan and recommended for approval by the Quarry Monitoring Committee.

It was noted that this item was discussed during Item V.a.ii., and will remain on future Committee agendas for discussion and eventual placement on a Council agenda.

v. Status of Quarry Monitoring Services for 2019.

Planning Manager Dietl indicated that a copy of the signed contract was provided to the Committee members. It was noted that Stantec is working on the placement of the two rented seismographs adjacent to two Payne & Dolan monitors.

- b. Review and discussion of citizen questions pertaining to the Payne & Dolan quarry blast of October 1, 2018.

It was discussed that Ms. Erickson would update the list of citizen questions and answers.

- d. Updates from the Planning Manager about matters pertaining to citizen complaints, staff's quarry monitoring activities, and the consultant's quarry monitoring activities.

Planning Manager Dietl indicated that the City had received two complaints since the Committee's last meeting. Of these, one unofficial complaint was about a gas leak in a home possibly due to quarry blasting, and one official complaint was about the Fire Department not receiving blasting records from Payne & Dolan. Alderwoman Wilhelm and Member Shore noted they were also aware of previous home gas leaks possibly due to quarry blasting, and that this item could be part of the future review of the Planned Development District standards.

**VI. SCHEDULE NEXT MEETING**

It was agreed that the next meeting of the Quarry Monitoring Committee would tentatively be on March 28, 2019 or March 22, 2019.

**VII. ADJOURNMENT**

Alderman Barber moved and Member Knueppel seconded to adjourn the February 28, 2019 Quarry Monitoring Committee meeting at 9:48 p.m. All present voted 'aye'; 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. 51<sup>st</sup> 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 51<sup>st</sup> 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 51<sup>st</sup> 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.

Page 2

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.

## Summary of Answers to Questions and Comments from Root River Heights Residents Regarding Quarry Blasting and Operations

### Overview

Because of an exceptionally large blast that shook our homes on October 1, 2018, residents of the Root River Heights Subdivision submitted questions, concerns, and comments to the Quarry Monitoring Committee at its November 2018 meeting regarding Quarry blasting, monitoring, PDDs 23 and 24, conflicts of interest, and more.

Following that November meeting, the QMC has addressed many of our communication concerns and brought them before the Common Council. And Stantec, the contractor that provides third-party monitoring of the Quarry has replied to our questions [noted in red].

### Questions answered by the QMC:

1. What tax revenue does the City receive from Payne & Dolan (Assessor's office)? [In 2018 Payne & Dolan paid a net total of \\$211,842.96 in property taxes to the City of Franklin. \[PDF provided\]. The City collected well over \\$1,000,000 in taxes from the Root River Heights subdivision alone. Add to that the other subdivisions to the East of 51st Street, we maintain that the residents in these neighborhoods have a right to protect our properties from unacceptable levels of vibration from Quarry blasting events.](#)
2. Per Clint (Payne & Dolan) the Quarry does not plan to expand its operations or add asphalt operations.

### *However, a number of our questions, concerns, and requested information remain outstanding, and require City staff to address, including:*

1. Determine "acceptable" blast limits for the Quarry given its close proximity to residences
2. Review current Quarry blasting as it relates to boundaries established in PDDs 23 and 24 — a survey of excavation limits in relation to Drexel Ave., 51st Street, and Rawson Ave.
3. Clear answers about making any amendments to PDDs 23 and 24
4. Why does the Quarry no longer report blast data to the Fire Department? PDDs 23 and 24 require such reporting. This sets a precedent for making changes to the PDDs.
5. As QMC member appointments expire, residents will have the opportunity to submit an application to serve on the QMC Committee.

### Items Addressed by the Quarry Monitoring Committee

- QMC Meetings Scheduled in the Evenings
- QMC Meetings held in Council Chambers
- QMC Meeting Agendas, Minutes, and Packets with audio posted on the City website **NOTE: The CC Chambers' Audio is defective and defeats the purpose of transparency. Residents cannot hear dialog over the incessant and loud buzz of the system.**
- QMC has followed up on previous recommendations to the Common Council that have not been presented due to staff's priorities

### Items the QMC has Received Council Direction On

1. Update and edit the City's website pages regarding Quarry information, including current aerial views of the Quarry. [Payne & Dolan \(Clint\) has promised since November 2018 to provide an aerial view of the Quarry that includes superimposed blasting boundaries. The QMC has yet to receive this photo.](#)
2. Future Franklin Newsletter notice announcing updated Quarry info with link to the City's website **NOTE: The Newsletter notice was published by administration WITHOUT the corrections and edits made by the QMC.**
3. Public access to Quarry blasting monitoring data — online link on City's website

4. Renew contract with Stantec to include 24/7 monitoring and evaluate complaint data regarding blasting, air quality, etc., and employ new seismograph equipment to record vibration data.
5. Bring the Quarry Reclamation Plan forward to the Common Council

### Answers from Stantec regarding 2018 Monitoring

#### Stantec Contract with City for Quarry Monitoring

What was the date of the Notice to Proceed for the 2018 Stantec Contract? *Executed on May 21, 2018. Received via email by Stantec on May 22, 2018.*

What is the total cost for Stantec's monitoring services annually? *The amount is capped by an agreement between Payne & Dolan and the City of Franklin. For 2018 the budget was \$43,300. However, due to equipment problems, the total amount invoiced to the City by Stantec was \$35,500.*

Does Payne & Dolan reimburse the City for the full fee that the City pays to Stantec for annual monitoring? *Yes*

#### Scope of Services: Stantec 2018

Does Stantec receive a blasting schedule from Payne & Dolan? *No*

Does Payne & Dolan receive a schedule of when Stantec is monitoring the quarry? *No (NOTE: Stantec does make announced visits to the Quarry)*

If so, who contacts Payne & Dolan with that information? *Not applicable.*

Is that a conflict of interest issue? *Not applicable.*

Please specify the scope of services in the Stantec contract:

- What seismograph equipment is used to monitor blast vibration? *Stantec uses City of Franklin owned equipment, consisting of an InstanTel MiniMate Plus*
- How often is the equipment calibrated? *Annually, prior to the initial monitoring.*
- Where is/are the seismograph(s) located? *There are two city-established blast monitoring sites or vaults used by Stantec for monitoring. The city locations are (1) at the southeast corner of 58th and Drexel, and (2) at the South 51st Street lift station. Since the predominance of quarry seismic activity was occurring along the northeast quarry perimeter, all monitoring performed by Stantec during 2018 was completed at the adjacent South 51st Street lift station.*

Is the location of the Stantec seismograph based on the provision in PDD 23 (Page 27):

#### *" T. Limits on Blasting*

*1. Ground vibration resulting from Operator's blasting shall not exceed 0.30 inches per second 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 ground vibration limitation imposed by the Wisconsin Department of Industry, Labor and Human*

*Relations in Figure 7.64 of ch. ILHR 7, Wis. Adm. Code, or 0.65 inches per second, whichever is more restrictive, on any blast."*

*Yes. The South 51<sup>st</sup> Street lift station is the closest inhabited structure to the site of the blasts.*

Where is the Stantec seismograph located in relation to the Payne & Dolan seismograph(s)? *During 2018, the Payne & Dolan (Vibratech) monitors were located at 7301 S. 51<sup>st</sup> St., 7351 S. 51<sup>st</sup> St., 7526 S. 51<sup>st</sup> St., southeast of the quarry prior to 51<sup>st</sup> St., and at 5800 Allwood. During the year one of the monitoring sites on 51<sup>st</sup> St. was discontinued.*

Does the Stantec equipment register data during the entire span of time that blasting occurs in a calendar year? *No. As selected by the City, Stantec planned to complete one 4-week period and one 16-week period of monitoring. Unfortunately, during a portion of the monitoring it was determined that the external geophone had malfunctioned. Upon verification with the City, the unit was sent in for diagnosis and repair. It has been returned in working order and will be ready for use in 2019.*



How often is data gathered and submitted to the City? **A separate report was prepared for the City for each 2-week period of monitoring.**

Please outline the blast complaint evaluation process:

Why does it cost \$225 to evaluate each complaint? **2018 was the first year that Stantec offered to conduct an evaluation off each complaint received by the city. Stantec evaluated each one to determine the following corresponding collaborative conditions:**

- weather conditions (wind direction and speed) the day of the complaint
- seismic data from both Stantec (if monitoring at the time) and Payne & Dolan placed monitors

**This information was compiled both on a Table and Figure throughout the year, and provided to the City. The effort to do this was predicted to be \$225 for each separate event, thus that is how the dollar amount was determined.**

What is the protocol if a blast complaint event occurs when Stantec is not monitoring? **As previously mentioned, Stantec was not hired by the City for continuous monitoring throughout the duration of the blasting season. Thus, there are plenty of complaints that occur outside the time of Stantec monitoring. These complaints were also evaluated by Stantec by reviewing Payne & Dolan (Vibratech) blasting data. Why are blast complaint evaluation summaries provided to the City only with the Year-End report? This is incorrect. Blast evaluation summaries were provided for each 2-week period of monitoring, and revised complaint evaluations (table/figure) were provided approximately 4 to 5 times throughout the year as listings of new complaints were forwarded to Stantec.**

#### **October 1, 2018 3:30 pm Blast Event**

**How do we know that the Stantec reading of this blast event is accurate?**

**The City-owned monitor was not properly operating on October 1<sup>st</sup> due to an external geophone malfunction. Thus, Stantec has no data to report from this blast event.** The QMC Meeting Minutes from January, 2018 include discussion on whether to relocate the City's seismic monitor away from the City's pump station on 51st Street because it appeared to be registering false readings when the pump turned on. The relocation was again discussed at the March 2018 QMC meeting. Has this seismograph placed near the pump station been relocated? If not, why not? **No. It was not proven that the pump station was providing false readings, it was stated that this may be occurring. Due the fact Payne & Dolan (Vibratech) has four additional full-time monitors, to which the City has access to the monitoring data, it was not deemed a priority to relocate the city monitor at that time.**

#### **Final Comments**

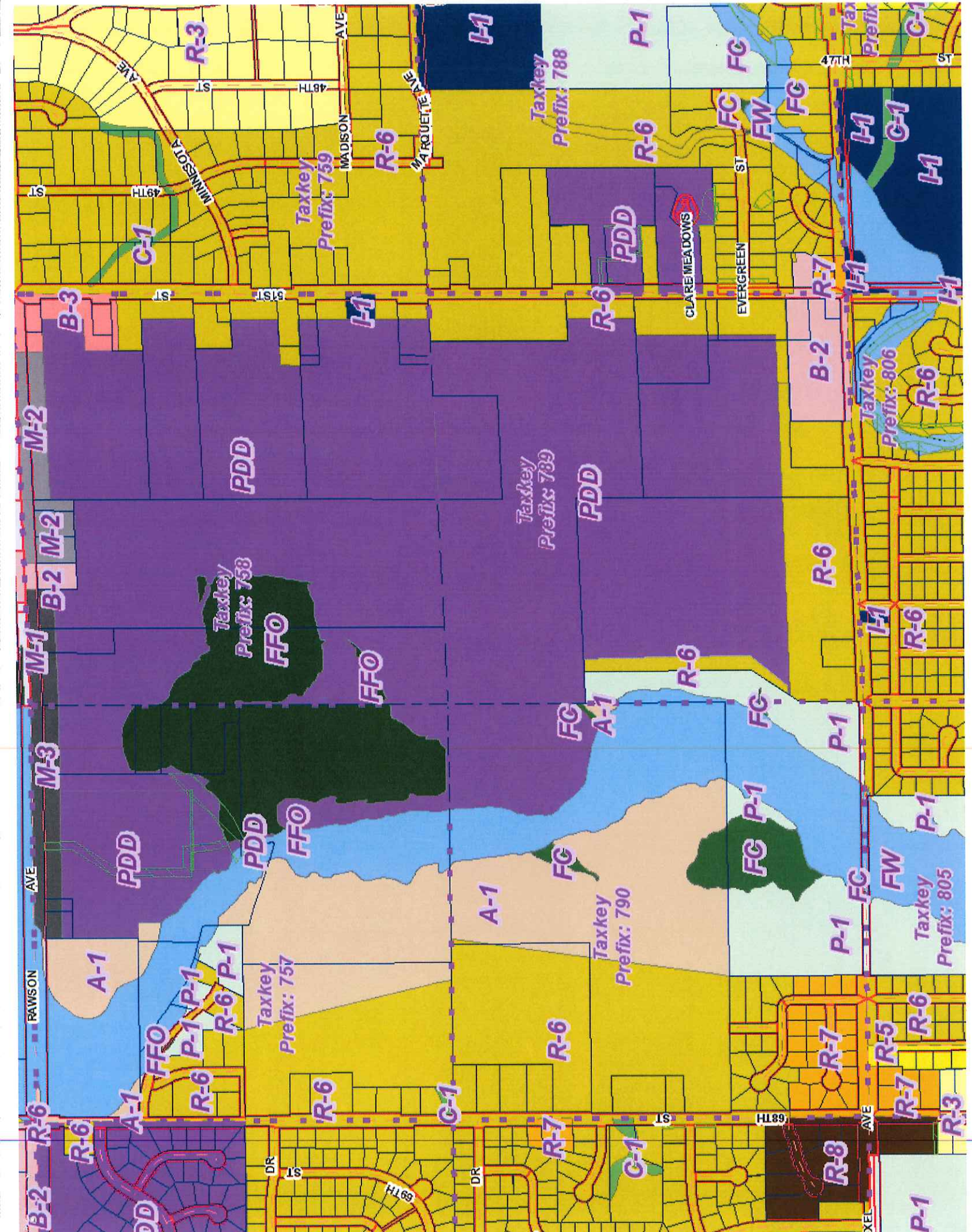
The residents in our neighborhood want to protect and retain the value in our homes. Cumulative blasting events that have shaken our houses over a period of 10, 20, 30+ years put our investments at risk. We want our elected government officials to acknowledge that the Quarry's existing blasting limits are far too high given the current blasting proximity to residential neighborhoods, and to establish lower limits to protect our properties. PDD 23 and PDD 24 contained Property Value Guarantee Agreement Acts that expired in 2007. Payne & Dolan has indicated there is no foreseeable closure date for the Quarry.

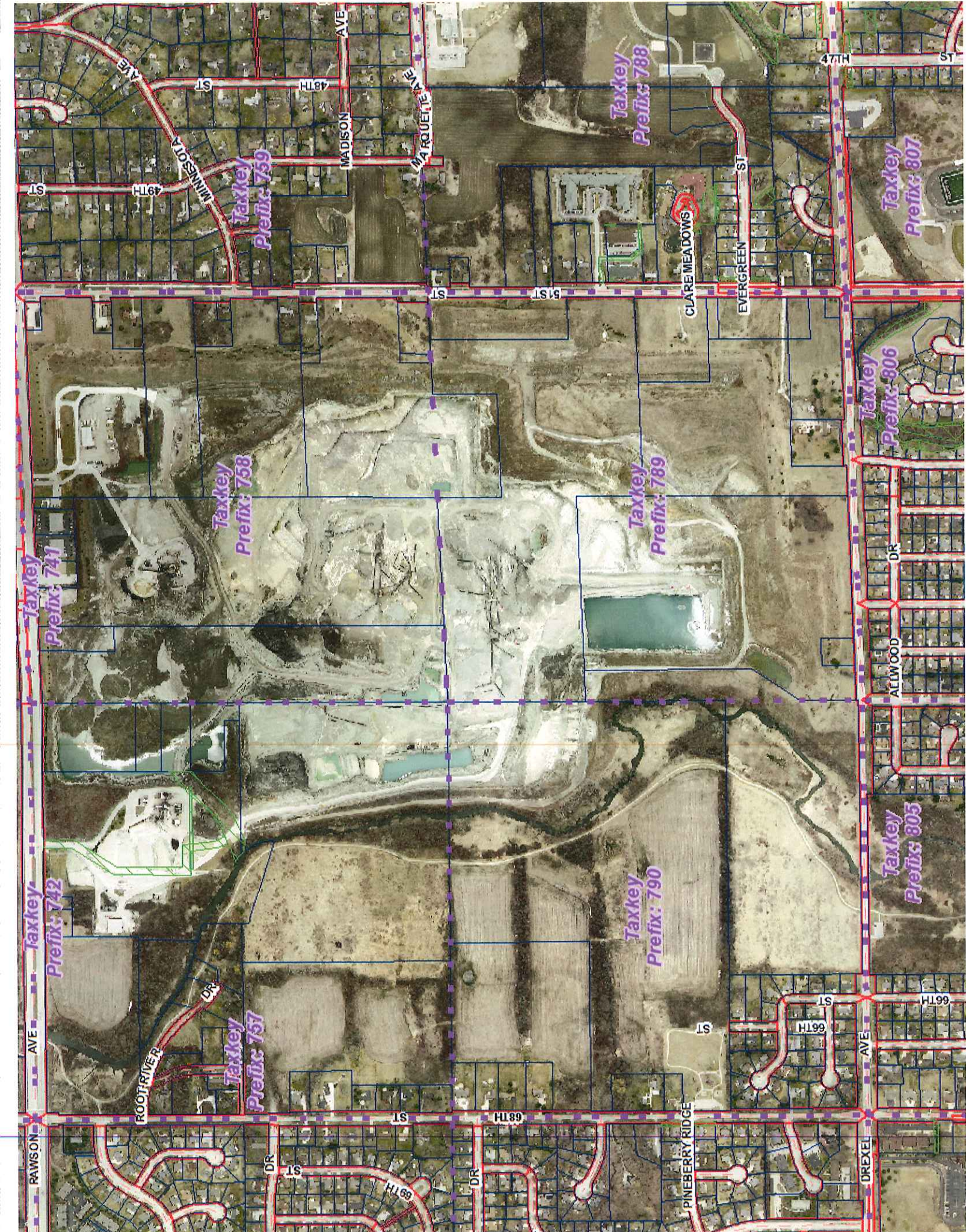
Residents have reviewed City campaign contribution records and determined that at least one elected official (Mayor Olson) has received donations from the President and Manager of Payne & Dolan and representatives of an asphalt plant which operate at the Quarry.

Submitted by Jill Erickson (compiled for resident reference and in assistance to the QMC)  
8016 S. 60th Street  
Franklin  
5th District  
January 31, 2019

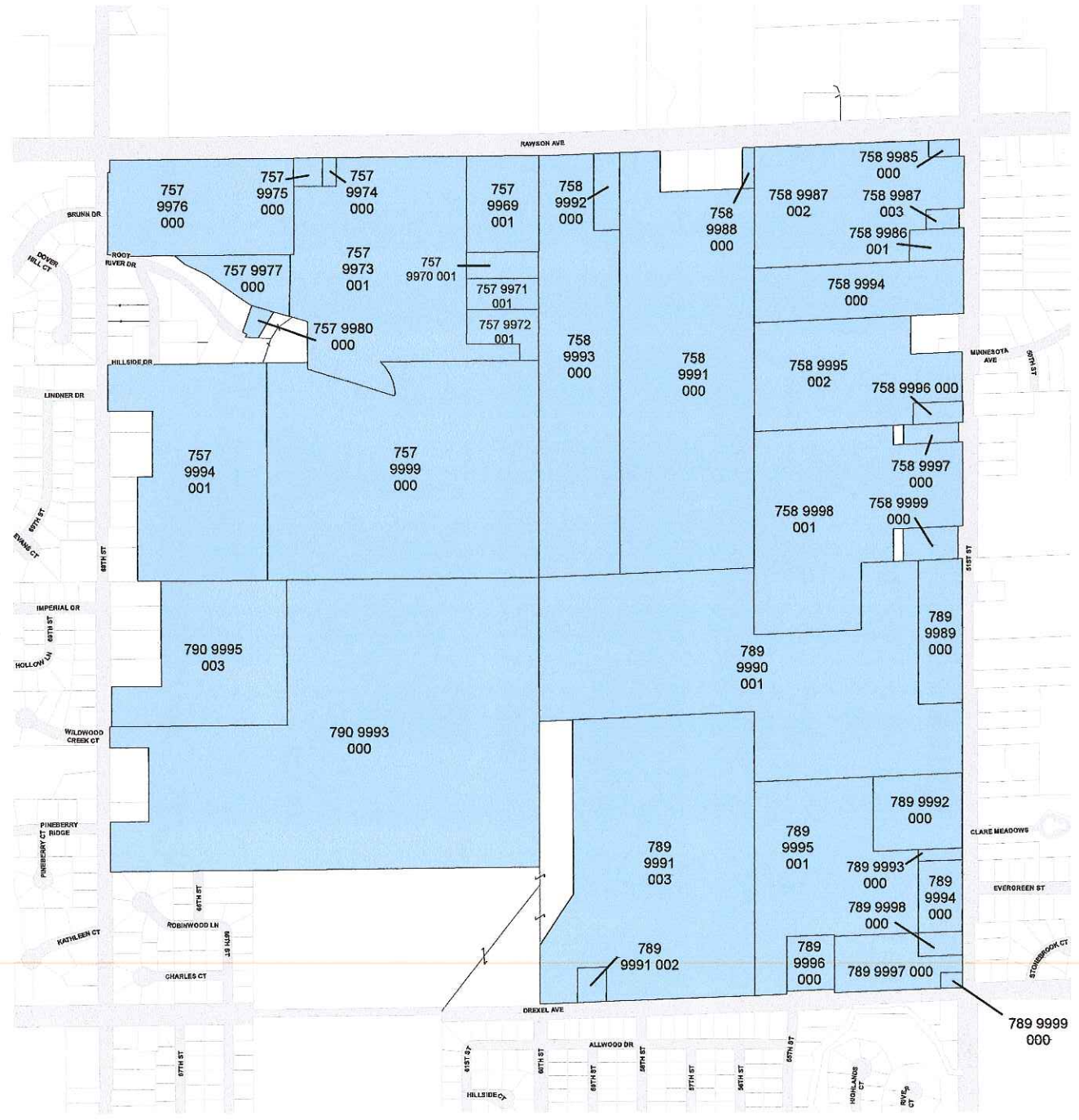
Rev. 3/14/2019

ACCOUNT_NO	CLASS	ZONE	2018 LAND	2018 BLDG	2018 TOTAL	OWNER_NAME_1	OWNER_NAME_2	MAILING_ADDRESS_1	CITY	ST	ZIP	PROPERTY_LOCATION	ACRES
757 9969 001	360	M-3/PDD/FFO	\$163,700	\$11,800	\$175,500	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5713 RAWSON AVE W	5.85
757 9970 001	360	FFO	\$35,200	\$0	\$35,200	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5713 RAWSON AVE W	1.61
757 9971 001	360	FFO	\$40,400	\$0	\$40,400	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5713 RAWSON AVE W	1.90
757 9972 001	360	FFO	\$51,000	\$0	\$51,000	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5713 RAWSON AVE W	2.40
757 9973 001	360	M-3/PDD/FFO/A-1/FW	\$756,400	\$317,200	\$1,073,600	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	6211 RAWSON AVE W	30.19
757 9974 000	360	M-3/PDD	\$32,400	\$0	\$32,400	PAYNE & DOLAN CO INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5831 RAWSON AVE W	0.33
757 9975 000	160	M-3/PDD	\$67,800	\$0	\$67,800	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	6331 RAWSON AVE W	0.70
757 9976 000	460	A-1/FW	\$7,800	\$0	\$7,800	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	RAWSON AVE W	15.71
757 9977 000	160	A-1/FW	\$24,500	\$0	\$24,500	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	6600 ROOT RIVER DR W	3.06
757 9980 000	160	R-6	\$60,500	\$0	\$60,500	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53187	6526 ROOT RIVER DR W	0.44
757 9994 001	460	A-1/R-6	\$5,100	\$0	\$5,100	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	68TH ST S	24.90
757 9995 000	360	A-1/PDD/FW/FFO	\$841,100	\$0	\$841,100	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5831 RAWSON AVE W	48.36
758 9985 000	260	B-3	\$117,900	\$122,300	\$240,200	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5111 RAWSON AVE W	0.44
758 9986 001	160	R-6/B-3	\$89,000	\$100,900	\$189,900	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7201 51ST ST S	1.31
758 9987 002	360	B-3/PDD	\$583,500	\$229,500	\$813,000	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5335 RAWSON AVE W	19.41
758 9987 003	260	M-2/B-3/PDD	\$70,500	\$179,400	\$249,900	PAYNE AND DOLAN INC		N3W23650 BADINGER RD	WAUKESHA	WI	53188	5335 RAWSON AVE W	0.55
758 9988 000	360	M-2	\$45,800	\$91,600	\$137,400	PAYNE AND DOLAN INC		N3W23650 BADINGER RD	WAUKESHA	WI	53188	7151 51ST ST S	0.42
758 9991 000	360	M-3/PDD/FFO	\$788,200	\$9,400	\$797,600	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5507 RAWSON AVE W	45.31
758 9992 000	360	M-3/PDD	\$57,400	\$9,200	\$66,600	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5713 RAWSON AVE W	1.73
758 9993 000	360	M-3/PDD/FFO	\$633,600	\$12,000	\$645,600	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5713 RAWSON AVE W	27.43
758 9994 000	160	R-6/PDD	\$136,700	\$0	\$136,700	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7241 51ST ST S	9.54
758 9995 002	160	R-6/PDD	\$165,200	\$0	\$165,200	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	51ST ST S	16.67
758 9996 000	160	R-6	\$83,000	\$130,400	\$213,400	PAYNE & DOLAN, INC.		PO BOX 781	WAUKESHA	WI	53187	7351 51ST ST S	0.82
758 9997 000	160	R-6/PDD	\$84,400	\$97,300	\$181,700	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7369 51ST ST S	0.92
758 9998 001	160	PDD	\$236,200	\$0	\$236,200	PAYNE AND DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7395 51ST ST S	28.27
758 9999 000	160	R-6/PDD	\$90,400	\$0	\$90,400	PAYNE AND DOLAN INC		N3W23650 BADINGER RD	WAUKESHA	WI	53188	7465 51ST ST S	1.49
789 9989 000	160	R-6	\$111,500	\$0	\$111,500	PAYNE & DOLAN INC	RICHARD J MELZER	N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7575 51ST ST S	5.39
789 9990 001	360	R-6/PDD	\$837,400	\$0	\$837,400	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5831 RAWSON AVE W	54.12
789 9991 002	160	R-6/PDD	\$75,600	\$0	\$75,600	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5704 DREXEL AVE W	0.84
789 9991 003	460	R-6/PDD	\$174,800	\$0	\$174,800	PAYNE & DOLAN INC	SIEVERT, DELLWYN & ELAINE	N3 W23650 BADINGER RD	WAUKESHA	WI	53188	DREXEL AVE W	45.30
789 9992 000	160	R-6	\$112,600	\$0	\$112,600	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7721 51ST ST S	5.67
789 9993 000	160	R-6	\$19,000	\$0	\$19,000	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	51ST ST S	0.44
789 9994 000	160	R-6	\$99,900	\$0	\$99,900	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7801 51ST ST S	2.67
789 9995 001	160	R-6/PDD	\$363,200	\$0	\$363,200	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	DREXEL AVE W	21.32
789 9996 000	160	R-6	\$96,200	\$167,000	\$263,200	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5324 DREXEL AVE W	2.21
789 9997 000	160	B-2	\$115,700	\$0	\$115,700	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	5214 DREXEL AVE W	4.65
789 9998 000	160	B-2	\$77,000	\$0	\$77,000	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	51ST ST S	0.89
789 9999 000	160	B-2	\$58,800	\$0	\$58,800	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	7877 51ST ST S	0.28
790 9993 000	160	R-6/PDD/FW/A-1	\$420,500	\$0	\$420,500	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	DREXEL AVE W	80.50
790 9995 003	160	R-6/A-1	\$167,400	\$0	\$167,400	PAYNE & DOLAN INC		N3 W23650 BADINGER RD	WAUKESHA	WI	53188	68TH ST S	17.22



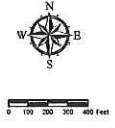




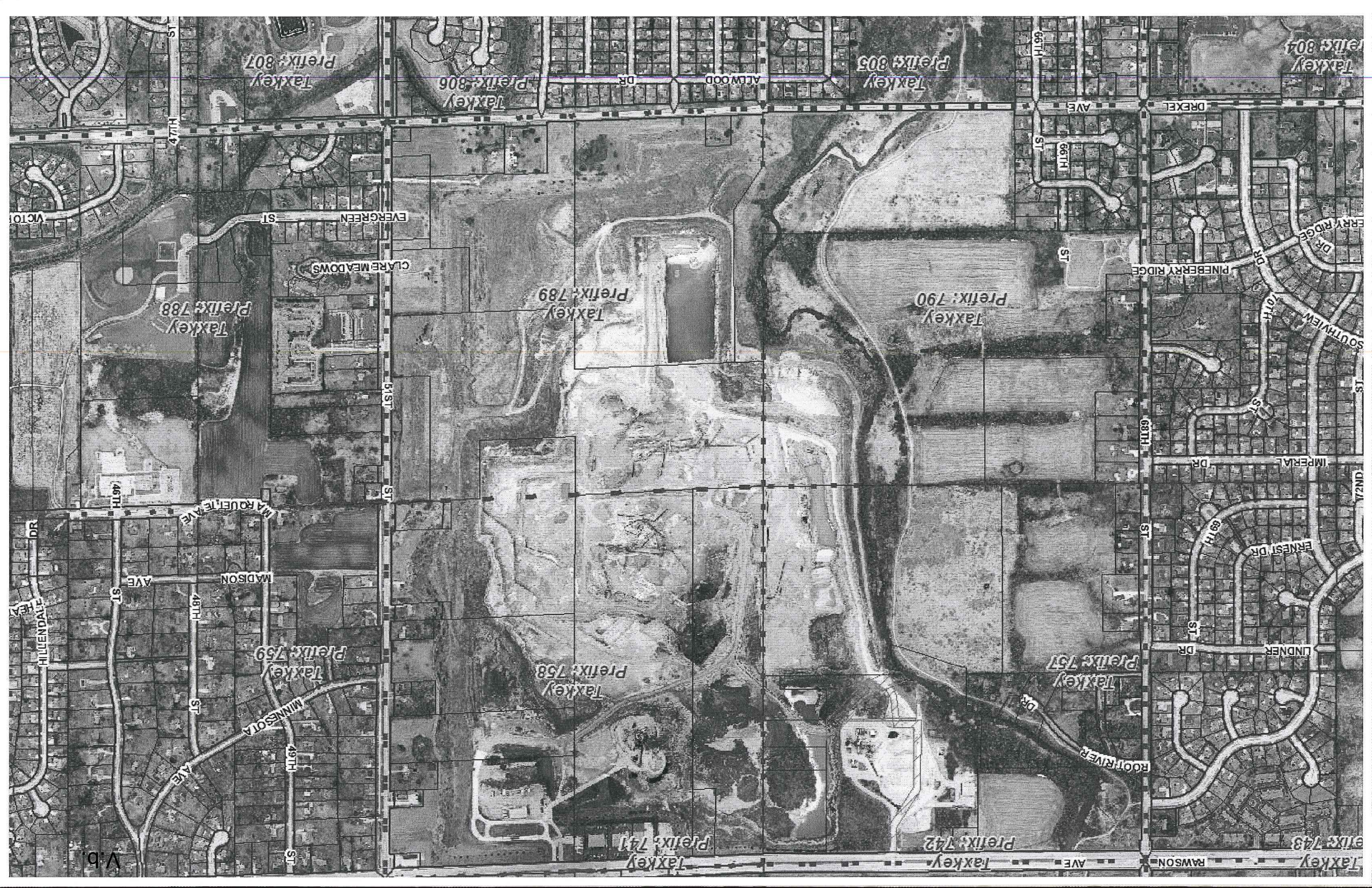


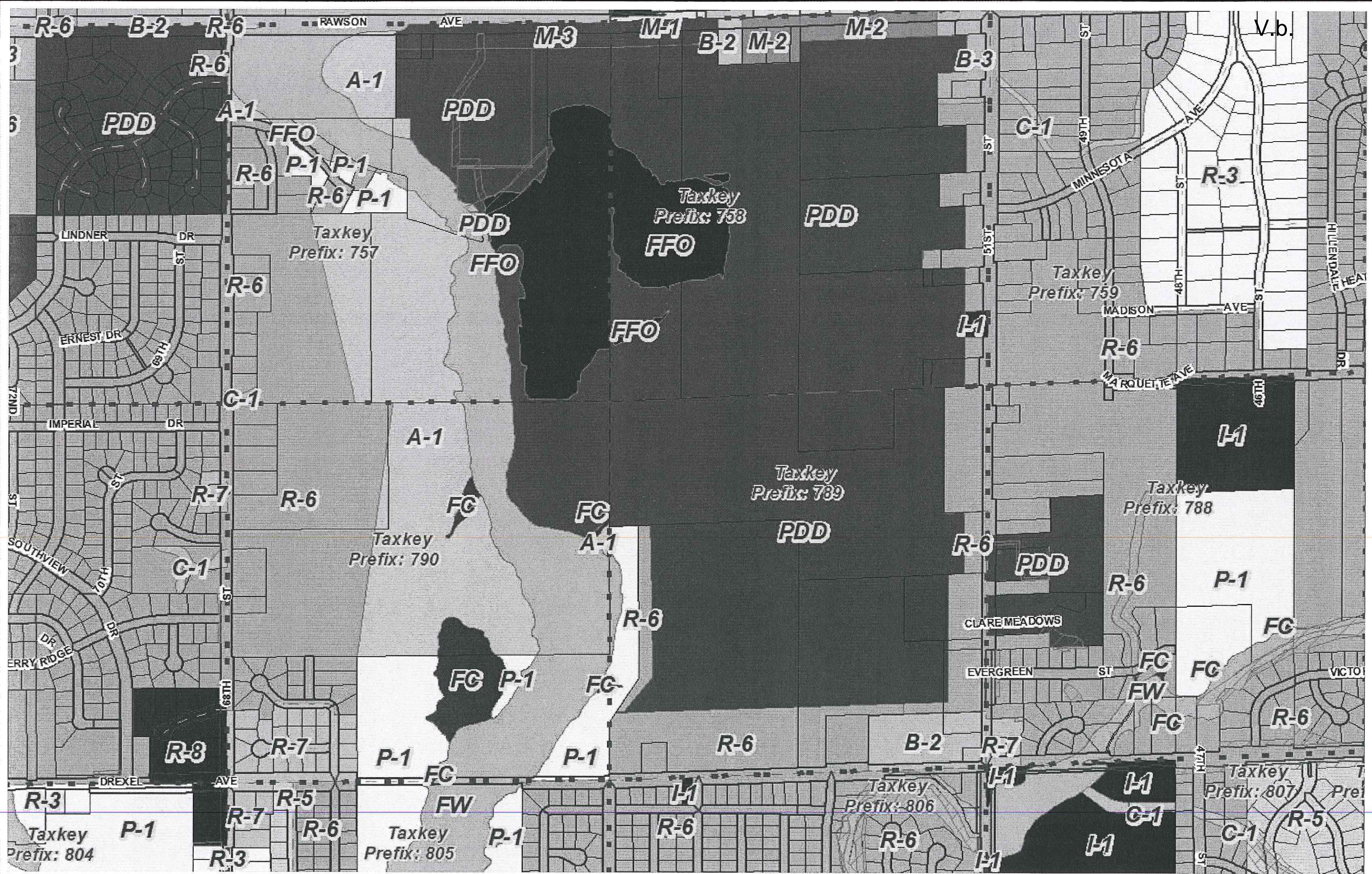
Payne and Dolan Properties in Franklin, WI

City of Franklin  
 City of Franklin  
 GIS Department  
 9229 W. Loomis Rd.  
 Franklin, WI 53132  
 www.franklinwi.gov



This map was prepared using a combination of aerial photography and ground survey data. The City of Franklin is not responsible for any errors or omissions on this map. The map is for informational purposes only and does not constitute a warranty or any other form of insurance.







**Franklin Aggregates**  
**Recorded Ground Vibration and Airblast Levels for PDDs #23 & 24**  
**December 2018**

Time	Event No.	Location	Distance	PPV	Freq	AO
12/21/2018 9:20	96	5800 ALLWOOD	3,361	N/T	N/T	N/A
12/21/2018 9:21	96	SE of Quarry	1,734	0.023	10.4	112
12/21/2018 9:21	96	7526 S. 51st Street	927	0.115	41.7	112
12/21/2018 9:21	96	7301 S 51st Street	1,141	0.08	45.5	109
12/21/2018 12:43	97	5800 ALLWOOD	3,294	N/T	N/T	N/A
12/21/2018 12:42	97	SE of Quarry	1,986	0.038	20.8	113
12/21/2018 12:42	97	7526 S. 51st Street	1,332	0.058	17.9	115
12/21/2018 12:42	97	7301 S 51st Street	1,360	0.088	38.5	107
12/17/2018 10:50	95	5800 ALLWOOD	3,371	N/T	N/T	N/A
12/17/2018 10:49	95	SE of Quarry	1,720	0.025	33.3	108
12/17/2018 10:49	95	7526 S. 51st Street	898	0.093	26.3	109
12/17/2018 10:49	95	7301 S 51st Street	1,126	0.07	55.6	108
12/14/2018 10:10	93	5800 ALLWOOD	3,066	N/T	N/T	N/A
12/14/2018 10:07	93	7301 S 51st Street	1,425	0.078	14.3	107
12/14/2018 10:07	93	SE of Quarry	1,492	0.053	29.4	101
12/14/2018 10:07	93	7526 S. 51st Street	900	0.13	27.8	107
12/14/2018 12:45	94	5800 ALLWOOD	3,194	N/T	N/T	N/A
12/14/2018 12:40	94	SE of Quarry	1,741	0.035	20	105
12/14/2018 12:40	94	7301 S 51st Street	1,344	0.09	50	108
12/14/2018 12:39	94	7526 S. 51st Street	1,091	0.103	38.5	111
12/12/2018 11:45	91	5800 ALLWOOD	3,346	N/T	N/T	N/A
12/12/2018 11:43	91	7526 S. 51st Street	960	0.15	27.8	109
12/12/2018 11:43	91	SE of Quarry	1,747	0.04	26.3	102
12/12/2018 11:43	91	7301 S 51st Street	1,162	0.093	38.5	107
12/12/2018 11:46	92	5800 ALLWOOD	3,143	N/T	N/T	N/A
12/12/2018 11:49	92	7526 S. 51st Street	884	0.083	33.3	109
12/12/2018 11:49	92	SE of Quarry	1,543	0.023	33.3	106
12/12/2018 11:49	92	7301 S 51st Street	1,349	0.07	45.5	109
12/10/2018 10:41	89	5800 ALLWOOD	3,332	N/T	N/T	N/A
12/10/2018 10:40	89	SE of Quarry	1,741	0.03	26.3	108
12/10/2018 10:40	89	7526 S. 51st Street	964	0.073	38.5	110
12/10/2018 10:40	89	7301 S 51st Street	1,178	0.063	50	111
12/10/2018 10:40	88	5800 ALLWOOD	3,312	N/T	N/T	N/A
12/10/2018 10:37	88	SE of Quarry	1,652	0.043	29.4	112
12/10/2018 10:37	88	7526 S. 51st Street	859	0.108	38.5	111
12/10/2018 10:37	88	7301 S 51st Street	1,179	0.073	41.7	110
12/10/2018 13:04	90	SE of Quarry	1,433	0.06	31.3	106
12/10/2018 13:04	90	5800 ALLWOOD	3,004	0.023	35.7	96
12/10/2018 13:04	90	7526 S. 51st Street	894	0.183	50	111
12/10/2018 13:04	90	7301 S 51st Street	1,485	0.05	55.6	108
12/6/2018 9:06	86	5800 ALLWOOD	3,321	N/T	N/T	N/A
12/6/2018 9:07	86	SE of Quarry	1,647	0.023	26.3	109
12/6/2018 9:07	86	7526 S. 51st Street	842	0.115	31.3	109

V.d.

12/6/2018 9:07	86	7301 S 51st Street	1,169	0.09	62.5	107
12/6/2018 11:56	87	5800 ALLWOOD	2,941	0.038	33.3	101
12/6/2018 11:56	87	SE of Quarry	1,384	0.07	29.4	111
12/6/2018 11:56	87	7526 S. 51st Street	905	0.15	45.5	111
12/6/2018 11:56	87	7301 S 51st Street	1,548	0.068	41.7	106
12/4/2018 12:30	85	5800 ALLWOOD	3,301	N/T	N/T	N/A
12/4/2018 12:27	85	7526 S. 51st Street	1,012	0.098	35.7	108
12/4/2018 12:27	85	SE of Quarry	1,755	0.028	20.8	111
12/4/2018 12:27	85	7301 S 51st Street	1,219	0.075	41.7	108
12/4/2018 12:28	84	5800 ALLWOOD	3,303	N/T	N/T	N/A
12/4/2018 12:24	84	7526 S. 51st Street	834	0.14	38.5	109
12/4/2018 12:24	84	SE of Quarry	1,627	0.028	21.7	109
12/4/2018 12:24	84	7301 S 51st Street	1,187	0.088	41.7	109

**Franklin Aggregates**  
**Recorded Ground Vibration and Airblast Levels**  
**February 2019**

Time	Event No.	Location	Distance	PPV	Freq	AO
2/26/2019 11:47	14	5800 ALLWOOD	3,644	N/T	N/T	N/A
2/26/2019 11:47	14	SE of Quarry	2,234	N/T	N/T	N/A
2/26/2019 11:47	14	7526 S. 51st Street	1,406	0.035	45.5	116
2/26/2019 11:47	14	7301 S 51st Street	1,086	0.06	35.7	106
2/26/2019 9:58	13	5800 ALLWOOD	3,677	N/T	N/T	N/A
2/26/2019 9:58	13	7526 S. 51st Street	1,156	0.068	26.3	111
2/26/2019 9:58	13	SE of Quarry	2,078	0.023	12.8	113
2/26/2019 9:58	13	7301 S 51st Street	895	0.133	55.6	106
2/21/2019 12:16	12	SE of Quarry	2,227	N/T	N/T	N/A
2/21/2019 12:16	12	5800 ALLWOOD	3,596	N/T	N/T	N/A
2/21/2019 12:16	12	7526 S. 51st Street	1,432	0.048	41.7	83
2/21/2019 12:16	12	7301 S 51st Street	1,151	0.083	33.3	107
2/13/2019 13:45	11	5800 ALLWOOD	3,685	N/T	N/T	N/A
2/13/2019 13:45	11	SE of Quarry	2,316	N/T	N/T	N/A
2/13/2019 13:45	11	7526 S. 51st Street	1,493	0.038	33.3	113
2/13/2019 13:45	11	7301 S 51st Street	1,115	0.078	38.5	106
2/13/2019 11:28	10	5800 ALLWOOD	3,668	N/T	N/T	N/A
2/13/2019 11:28	10	SE of Quarry	2,068	0.023	17.2	114
2/13/2019 11:28	10	7526 S. 51st Street	1,147	0.068	41.7	112
2/13/2019 11:28	10	7301 S 51st Street	900	0.103	35.7	108

**Franklin Aggregates**  
**Recorded Ground Vibration and Airblast Levels for PDDs #23 & 24**  
**January 2019**

Time	Event No.	Location	Distance	PPV	Freq	AO
1/22/2019 11:00	9	SE of Quarry	2,228	N/T	N/T	N/A
1/22/2019 11:00	9	5800 ALLWOOD	3,571	N/T	N/T	N/A
1/22/2019 11:01	9	7526 S. 51st Street	1,452	0.053	23.8	121
1/22/2019 11:01	9	7301 S 51st Street	1,189	0.08	25	110
1/17/2019 11:50	8	SE of Quarry	2,117	N/T	N/T	N/A
1/17/2019 11:50	8	5800 ALLWOOD	3,549	N/T	N/T	N/A
1/17/2019 11:48	8	7526 S. 51st Street	1,312	0.07	27.8	113
1/17/2019 11:48	8	7301 S 51st Street	1,114	0.09	35.7	108
1/17/2019 8:51	7	5800 ALLWOOD	3,626	N/T	N/T	N/A
1/17/2019 8:49	7	SE of Quarry	2,015	0.025	11.9	108
1/17/2019 8:48	7	7301 S 51st Street	925	0.103	55.6	106
1/17/2019 8:48	7	7526 S. 51st Street	1,104	0.08	38.5	110
1/15/2019 11:00	6	5800 ALLWOOD	3,344	N/T	N/T	N/A
1/15/2019 10:56	6	SE of Quarry	1,907	0.025	17.9	114
1/15/2019 10:56	6	7526 S. 51st Street	1,183	0.068	41.7	116
1/15/2019 10:56	6	7301 S 51st Street	1,240	0.12	41.7	109
1/10/2019 12:41	5	SE of Quarry	2,194	N/T	N/T	N/A
1/10/2019 12:41	5	5800 ALLWOOD	3,531	N/T	N/T	N/A
1/10/2019 12:41	5	7526 S. 51st Street	1,435	0.03	35.7	108
1/10/2019 12:41	5	7301 S 51st Street	1,213	0.08	38.5	106
1/10/2019 12:40	4	5800 ALLWOOD	3,342	N/T	N/T	N/A
1/10/2019 12:38	4	SE of Quarry	1,858	0.028	25	111
1/10/2019 12:38	4	7526 S. 51st Street	1,118	0.063	38.5	114
1/10/2019 12:38	4	7301 S 51st Street	1,214	0.145	41.7	109
1/8/2019 14:00	3	SE of Quarry	2,108	N/T	N/T	N/A
1/8/2019 14:00	3	5800 ALLWOOD	3,539	N/T	N/T	N/A
1/8/2019 13:53	3	7526 S. 51st Street	1,306	0.06	33.3	118
1/8/2019 13:53	3	7301 S 51st Street	1,119	0.063	31.3	109
1/8/2019 10:51	2	SE of Quarry	2,018	N/T	N/T	N/A
1/8/2019 10:51	2	5800 ALLWOOD	3,603	N/T	N/T	N/A
1/8/2019 10:53	2	7526 S. 51st Street	1,127	0.083	27.8	115
1/8/2019 10:53	2	7301 S 51st Street	959	0.118	29.4	107
1/8/2019 10:50	1	5800 ALLWOOD	3,504	N/T	N/T	N/A
1/8/2019 10:50	1	SE of Quarry	2,160	0.02	25	115
1/8/2019 10:50	1	7526 S. 51st Street	1,407	0.033	33.3	118
1/8/2019 10:50	1	7301 S 51st Street	1,218	0.055	35.7	109