

ANN ARBOR CHARTER TOWNSHIP BOARD OF TRUSTEES MEETING AGENDA

Monday, August 19, 2024, at 7:30 PM

Township Office, 3792 Pontiac Trail, Ann Arbor MI 48105

To participate via video conference call - [Click here to register](#) or [Visit aatwp.org](http://Visit.aatwp.org)

I. CALL TO ORDER, ESTABLISH QUORUM

II. APPROVAL OF BOARD OF TRUSTEES MINUTES

- A. Regular Meeting July 15, 2024
- B. Special Meeting August 1, 2024, Open Session
- C. Special Meeting August 1, 2024, Closed Session

III. **CITIZEN PARTICIPATION** 7:30 - 7:45 - Citizen Participation on Agenda items only. Call the Township Office for reserved time- 663-3418 - before noon on the day of the meeting. Public Comment regarding non-agenda items is at the end of the meeting.

IV. APPROVE THE AGENDA AND CONSENT AGENDA

- A. Claims Listing: 7-12-24 to 8-15-24 for \$819,101.65
- B. Agreement for Pipeline Assessment, Cleaning, CCTV, CIPP, and other Sewer Rehab

V. ANNEXATIONS, ORDINANCES, ZONING, RESOLUTIONS

- A. Presentation of the Revised Escrow Management Procedure – Iomar Whitt, Accounts Manager and Deputy Treasurer
- B. Massey Lake and Wetland Evaluation, Mid-Michigan Materials, Vella Pit – Patti McCall, Tetra Tech
- C. Land Division and Variance Request for 3800 Warren Road.
 - 1) Discussion of Process, Approvals Required.
 - 2) Public Hearing: Request for Variance from Chapter 50, Article II, Private Roads, Section 50-28, for 3800 Warren Road, to permit a shared driveway.
 - 3) Appeal Pursuant to Chapter 58, Subdivision and other Division of Land, Section 58-280, to vary the Depth to Width Ratio required pursuant to Section 58-281.
- D. Introduction to the Amendment of Chapter 74, Zoning, Article V Supplementary District Regulations to Adopt Mineral Mining Code Section 74-592a and Repeal Section 74-592

VI. REPORTS, DISCUSSIONS

A. Supervisor's Report

- 1) **Community Survey**
- 2) **Ed Swope Retirement**

B. Clerk's Report

C. Treasurer's Report

D. Planning Commission Report August 8, 2024

E. Committee Report

- 1) **Farmland Open Space and Preservation Board Report – July 22, 2024**
- 2) **Utility Committee**
- 3) **Climate Resilience Committee – August 14, 2024**
- 4) **Zoning Board of Appeals – August 20, 2024**
- 5) **Public Safety Committee**
- 6) **Roads Committee**

F. Utilities Department Report

G. Public Safety Report

- 1) **Washtenaw County Sheriff's Department**
- 2) **Fire Department – Chief Mark Nicholai**

H. Building Department Report

VII. INFORMATION ONLY ITEMS

VIII. NON-AGENDA ITEMS

IX. PUBLIC COMMENT

X. ADJOURNMENT

ANN ARBOR CHARTER TOWNSHIP
BOARD OF TRUSTEES MEETING
MINUTES OF MEETING – MONDAY, JULY 15, 2024
TOWNSHIP OFFICES - 3792 PONTIAC TRAIL, ANN ARBOR MI

I. CALL TO ORDER, ESTABLISH QUORUM

Supervisor O'Connell called the Ann Arbor Charter Township Board of Trustees meeting to order at 7:30 pm on July 15, 2024.

Present: Supervisor Diane O'Connell
Clerk Rena Basch
Trustee John Allison
Della DiPietro
Trustee Michael Moran
Trustee Kristine Olsson

Absent: Treasurer Carlene Colvin-Garcia

Also Present: Township Attorneys Gabis and Dupes, Bodman PLC
Township Planner Elmiger, Carlisle Wortman
Utilities Director Judkins
Township Engineer Humesky, Stantec

II. APPROVAL OF BOARD OF TRUSTEES MINUTES

A. Regular Meeting June 17, 2024

MOTION by Allison, support by Basch, to amend and approve the minutes of the June 17, 2024 regular meeting as follows:

- P. 4, Motion to approve at bottom of page, first bullet, correct to read: (to be 7 days after publication).
- P. 6, 4th bullet, correct to read: "It was suggested that perhaps the Board should take a step back . . . "
- P. 6, 5th bullet, correct to read: "~~However,~~ Trustee Allison stated that roughly . . ."

Motion passed unanimously by voice vote.

B. Special Meeting June 26, 2024 Open Session

MOTION by Olsson, support by Allison, to approve the June 13, 2024 special meeting open session minutes as submitted.

Motion passed unanimously by voice vote.

C. Special Meeting June 26, 2024 Closed Session

MOTION by Allison, support by Moran, to approve the Special Meeting June 13, 2024 closed session minutes as submitted.

Motion passed unanimously by voice vote.

III. CITIZEN PARTICIPATION

Eric Kaljian, 3177 Warren, made the following points:

- He had a residential well 1 mile from the Vella Mine and a farm well about 1.2 miles from the Vella mine. The original water level of the residential well was 27'. In November 2023 the level had dropped to 58'. Since the dewatering was halted, the water level had risen 2.5', an increase of roughly 5' per year. At that rate, the residential well should return to its original level in a little more than six years. The original water level of the farm well was 45'. In November 2023 the water level had dropped to 62'. Since the dewatering was halted, the water level had risen 2', an increase of about 4' per year. At that rate, the farm well should return to its original level in a little more than four years. Per a more formal mathematical prediction model of static water levels developed by Michael Watts, the time to restore levels varies by proximity to the mine and ranges from just under a year to 8 years. While the moratorium on dewatering is working, the significant damaging effects on the aquifer will take years to undo.
- Regarding the recent court order regarding dredging operations, when the well water issue became an emergency, many in the affected area asked why dredging was not used to collect gravel, since dredging does not have the same severity of impact as the removal of hundreds of millions of gallons of water in the aquifer. The change to dredging would not have happened without the Township's aggressive legal action. The temporary time-capped experimental approach to dredging with continued well monitoring and the measurement of noise levels to provide evidence for further evaluation seems rational, although there are still issues regarding the mine's compliance with important legal regulations. The mine operators have demonstrated that they cannot be trusted to act in the best interest of the community but do respond to legal pressure. Mr. Kaljian supports the Board using all the "arrows in its quiver" and those of the State as well.
- While recognizing the legal constraints on the Board regarding the mine litigation, whatever the Board can share in the interest of transparency would be well received.

Peter Kotila, 356 Au Sable Place, Planning Commission Chair, made the following points:

- The Planning Commission is ready to take up the mining ordinance revision as soon as it is available.
- Mr. Kotila recommended a "trust and verify" approach, and that the new ordinance language has compliance requirements that will allow the Planning Commission to collect necessary detailed information in order to write a use that is acceptable to all parties. The "verify" component is critical.
- The new grant writing/communications consultant should assist in exploring ways to communicate with all residents. Mr. Kotila recommended that priority be placed on researching ways to have safe, secure, and timely ways to communicate information and data.

- Regarding the court order relative to dredging, there is a stipulation that sound measurements be communicated to the Township daily. Daily transparent communication of this information to the residents would build trust.

Michael Watts, Ann Arbor Township resident, made the following points:

- Mr. Watts thanked the Board for their effort and work in moving the issues of the Vella Pit mining operation forward. However, in November residents were promised monthly updates on the Township website, but no new updates have appeared since March 2024. This was not the best way to find out that federal and state law is being circumvented in order to allow the mine to do its testing, as the mine is still in process of obtaining a Part 301 permit. Under Part 301, the mine is not allowed to dredge, infill bottomland, alter the lake, enlarge it, reduce its size, or connect it to channels or artificial waterways. Monthly satellite maps of every month since the dewatering pump has been turned off show constant filling in of the 8.4-acre lake, resulting in Mid Michigan Materials being out of compliance.
- Mr. Watts was concerned about potential legal and environmental repercussions of allowing the mine to conduct dredging without the necessary permits, and the broader implications of setting a precedent for non-compliance with state and federal environmental laws.

A resident (no name given) distributed pictures of sediment from the mine that filled Massey Lake during a recent rainstorm event. A neighbor who recently dived in the lake reported that the sediment that is coming from the mine had created a dead zone at the lake bottom.

IV. APPROVE THE AGENDA AND CONSENT AGENDA

MOTION by Allison, support by Moran, to amend and approve the Agenda and Consent Agenda as follows:

- **Move Consent Agenda Items IV.E and IV.F to V.A and V.B respectively.**
- **Move V.D. to be V.H.**

Motion passed unanimously by voice vote.

Consent Agenda:

1. Claims Listing 6-13-24 to 7-11-24 for \$216,222.84
2. Appoint Lee Gorman to the Planning Commission for a term ending July 1, 2027.
3. Appoint Carlene Colvin-Garcia to the Climate Resilience Committee.
4. Approve 2024 Middle Huron Partners Invoice for \$5,486.09.

V. ANNEXATIONS, ORDINANCES, ZONING, RESOLUTIONS

A. Approve Engagement of Grant Writing Consultant for performing grant writing services in an amount of \$50 an hour for a maximum of 10 hours a week, and to authorize Supervisor to execute an Agreement subject to Township Attorney review.

Supervisor O'Connell explained that the goals for this new position are to a) have someone on staff who is dedicated to grant writing, and b) to have someone who can spend a short time each week making sure that important communications are going out to the

community via the website, and who can work with the Township's 2-hour per week web developer.

Ann Burke is a Township resident who was instrumental in the Warren Road Natural Beauty Road effort. She has also assisted on some Climate Resilience Committee activities. Her resume is in the packets.

Ms. Burke introduced herself via ZOOM and reviewed her professional background grant writing and project management, as well as her work teaching web design at Michigan State University and her professional experience using social media to communicate with a wide variety of stakeholders.

After a wide-ranging discussion of the communication and grant writing needs of the Township, including Fire Services grants and environmental grants, Supervisor O'Connell focused on a triage-type of organization: 1) the critical need to prioritize immediate needs relative to formal grant writing, 2) obtaining soft money support, 3) developing strategic communication processes. Regular updates to the Board will be required.

This position will involve some remote work and some on-site work.

MOTION by Allison, support by DiPietro, to approve the engagement of a grant writing consultant for performing grant writing services in an amount of \$50 an hour for a maximum of 10 hours a week, and to authorize the Supervisor to execute an Agreement subject to Township Attorney review.

Motion passed unanimously by voice vote.

B. Father Gabriel Richard High School Special Event Permit Approval for Annual Green and White Event.

Trustee Moran noted that this is the second out of three years that this application has come in late. In the present instance the requested permit is for an event on August 17. Trustee Moran raised concerns about inconsistencies in the application documents regarding property ownership. Historically ownership had been listed as the Diocese of Lansing. More recently documents have said the School owns the property. Documents submitted with this application list Carl Mingling, the Bishop of the Diocese of Lansing, as the owner, but the certificate of co-insurance says the property is owned by the Michigan Catholic Conference. It was unclear who the insurance company thinks they are insuring or whether the insurance company knows they are also insuring the Township.

Given the timing of the event combined with outstanding issues, the following motion was offered:

MOTION by Moran, support by DiPietro, to approve Father Gabriel Richard High School Special Event Permit for the August 17, 2024 Annual Green and White Event, with the following conditions:

- At applicant's expense, ownership of property determined to the satisfaction of the Township Attorney.
- Certificate of Insurance to clearly state Township is covered, to be reviewed by Township Attorney.

Motion passed unanimously by voice vote.

C. Public Hearing Confirming Blueberry Lane Public Roadway Special Assessment District Roll for Blueberry Lane from Maple to Englave and currently paved portion of Danbury Special Assessment District (SAD)

1) Resolution Confirming Blueberry Lane Special Assessment District Roll

Supervisor O'Connell explained that the Board was holding a public hearing regarding determining a public roadway special assessment district for Blueberry Lane, Englave Drive and Danbury Lane neighborhoods, pursuant to Public Act 188 of 1954, as amended, MCL.41.721 *et seq.* (the "Act 188").

Township Attorney Gabis explained that tonight's public hearing is the final step in establishing the Blueberry Lane Special Assessment District. The public hearing was set at the last Board of Trustees meeting and has been published in accordance with Statute. Tonight the Board will consider the roll that is attached to the Resolution, prepared by the Clerk and the Treasurer, and determine whether the Board wants to confirm that roll. Once confirmed, the roll is established and can be challenged within 30 days of tonight's hearing.

Supervisor O'Connell opened the public hearing.

James Stead, 2433 Blueberry Lane, said that he had started this project, and that everyone impacted by the SAD had agreed to support it. Neighborhood residents were excited to see the project completed. Residents were asking about adding traffic calming measures, and whether private driveways could be done when the road was paved.

Brent Schlack, Washtenaw County Road Commission, explained that the Road Commission would do driveway approaches within the right of way, but any work on private driveways in addition to that would need to be worked out between the homeowner and the private contractor.

Regarding traffic calming measures such as speed bumps, Mr. Schlack explained that the Road Commission could collect the necessary data based on the entire project being approved. Road conditions were scored; if conditions ranked a 10 or higher, traffic calming measures could be considered.

As no other public indicated they wished to speak, Supervisor O'Connell closed the public hearing and brought the matter back to the Board for further discussion and/or a motion.

MOTION by Allison, support by DiPietro, that the Ann Arbor Charter Township Board of Trustees adopt the July 15, 2024 RESOLUTION CONFIRMING BLUEBERRY LANE SPECIAL ASSESSMENT DISTRICT ROLL, UNDER MICHIGAN ACT 188 OF THE PUBLIC ACTS OF 1954, AS AMENDED.

Motion passed unanimously by voice vote.

2) **Authorize execution of the agreement with the Washtenaw County Road Commission**

MOTION by Basch, support by Olsson, that the Ann Arbor Charter Township Board of Trustees authorize execution of the agreement with the Washtenaw County Road Commission for Blueberry Lane, Englave Drive and Danbury Lane.

Motion passed unanimously by voice vote.

D. Request for Local Body Resolution for Charitable Gaming Licenses from Miles Jeffrey Roberts Foundation

Jeffrey Roberts, 2632 Wayside Drive, was present on behalf of this request for the Miles Jeffrey Roberts Foundation, a 501(c)(3) charitable foundation, to be recognized as a local civic organization for the Gaming Commission to issue a raffle license. The Miles Jeffrey Roberts Foundation was organized in 2019 in honor of Mr. Roberts' son. The purpose of the foundation is to empower youth athletic communities to promote mental well-being and suicide prevention. The Foundation has successfully implemented programs at local high schools and secured significant funding including grants for its initiatives. Mr. Roberts sought the Board's support in order to facilitate fundraising events, including raffles, to sustain and expand their programs.

In response to questions, Mr. Roberts described the Foundation's past and current programs, especially targeting student-athletes and their coaches, as described on the Foundation's website mrjfoundation.org.

MOTION by Allison, support by Basch, that the Ann Arbor Charter Township Board of Trustees approve the Local Governing Body Resolution for Charitable Gaming Licenses for the Miles Jeffrey Roberts Foundation.

Motion passed unanimously by voice vote.

E. Land Preservation Millage Renewal Resolution

Township Attorney Gabis explained that at the last BOT meeting the Board discussed the expiration of the Land Preservation Millage, which was adopted by voters at a rate of .7 mills in 2003, to be levied from 2004 through 2023 inclusive. A resolution is in the packets to approve ballot language for renewing this millage for 5 years, at the rollback renewal rate of 0.6712 mills, due to the Headley Amendment rollback. Attorney Gabis verified that the renewal can be levied from 2025 onward, even though it won't be levied in 2024.

Discussion focused on wordsmithing the Resolution and the ballot language.

MOTION by Allison, support by Moran, that the Ann Arbor Charter Township Board of Trustees approve RESOLUTION AUTHORIZING BALLOT PROPOSAL FOR LAND PRESERVATION MILLAGE RENEWAL, dated JULY 15, 2024, with the following changes:

- **Where appropriate, fill in the blanks showing the time period of the renewal as five (5) years, beginning in 2025 (2 places).**
- **Where appropriate, fill in the blanks for the final year of the levy to be 2030 (2 places).**
- **Strike Recital D of the Resolution.**

Motion discussion:

Clerk Basch opposed this renewal and advocated for a climate resilience millage instead. Her comments included:

- The original goal of preserving 2,000 acres can be achieved without renewal. There is still \$2.5M in the farmland fund, which if leveraged as in the past, could purchase 750 acres. Added to the 1,700 acres already preserved, this would bring preserved land to 2,450 acres, which exceeds the original goal.
- The renewal feels rushed, without giving time to discuss the issues. Why is the goal being changed? Why weren't additional high-quality acres identified earlier?
- The program benefitted a small number of landowners (14 in total), providing a transfer of public money to a few individuals.
- The millage language restricts the use of the funds to one land preservation tool – the purchase of development rights (PDR). Perhaps in the future a more flexible millage proposal could be put forward that addresses future needs, including climate resilience needs such as groundwater recharge areas.
- Clerk Basch suggested that large institutions should fund their own land preservation for carbon sequestration rather than relying on public money.
- Clerk Basch suggested that the Board take time to do the same type of study that was done 25 years ago when the millage was first adopted in order to consider a new millage that meets the future needs of the Township's land preservation efforts.

Trustee Moran supported the renewal:

- Trustee Moran believed that the PDR program is the most successful climate resilience action taken by the Township. Climate resilience was not the original focus but has been the effect.
- The renewal is only for 5 years and will allow the Township to finish this effort.
- Trustee Moran highlighted the program's role in encouraging similar practices in other townships and its contribution to slowing down the loss of farmland.
- Trustee Moran defended against claims of transfer of funds to a small number of people, emphasizing the positive impact of farmland preservation and development control.
- Some of the people who have gone through the Tilian Farm training have become some of the Township's most successful farmers.

Trustee Olsson supported renewal:

- Trustee Olsson believed PDR is a flexible and cost-effective way to protect land. She emphasized the long-term investment benefits and the necessity of preserving the ecosystem – including water quality – within the Township.
- Protecting land now avoids future tax increases required to support the infrastructure required by large development.
- The PDR is just one tool of several that helps preserve farmland and natural features. The natural features ordinances, open space protection ordinances, and other ordinances have helped to protect even more land.
- Trustee Olsson agreed that the Board should look at the scoring criteria system, including looking at more groundwater-related criteria.

Clerk Basch clarified that she is not opposed to the PDR tool, but is advocating for expanding the criteria to include climate resilience.

Trustee DiPietro supported renewal:

- Trustee DiPietro recalled past discussions about negative press related to Tilian Farm, not the PDR program itself.
- Trustee DiPietro emphasized the program's environmental and health benefits for all residents, as well as the financial benefit to the Township relative to preserving land rather than charging everyone the cost of new infrastructure for large development projects.
- Trustee DiPietro agreed with the financial advantages of avoiding extensive development, and emphasized that the program preserves open space, as well as preserving farming as a viable occupation in the Township.

Supervisor O'Connell supported renewal:

- Supervisor O'Connell supported the PDR program for environmental and land preservation reasons.
- To Clerk Basch's point, Supervisor O'Connell suggested a future climate resilience initiative and encouraged further study and planning on the best next step.

Trustee Allison supported renewal:

- Trustee Allison expressed pride in the PDR program's legacy. The land will be protected forever. The program has a positive impact on farmland preservation and community benefits.
- Trustee Allison advocated for pursuing both land preservation and climate initiatives.

Clerk Basch thanked everyone for the discussion, and said she also would support renewing the Land Preservation Millage if there was Board consensus to also push the Climate Committee to study the issues, and update the criteria for land preservation to include climate resilience concerns. The 5-year renewal gives the Township time to figure out the next best step.

Trustee Olsson thanked Clerk Basch for bringing up the issues as discussed.

Supervisor O'Connell called the motion on the floor.

Motion passed unanimously by voice vote.

F. Mining Ordinance Committee Update

1) Mining Ordinance Revision Subcommittee Update

Trustee Allison provided an overview of the Mining Ordinance Subcommittee's progress. The Subcommittee was made up of Trustees Allison and Moran, and Supervisor O'Connell; Attorneys Gabis and Redmond; Engineering Consultant Humesky, Environmental Consultant Wright, and Planning Consultant Elmiger.

The subcommittee has been meeting weekly and bi-weekly since spring 2024. The Committee's goal is to provide a comprehensive update to the mining ordinance, and address the shortcomings of the existing ordinance, which provides adequate regulation for small-scale mining but is not suitable for large-scale operations. The subcommittee is integrating elements from nine separate township ordinances, focusing particularly on those from Arlington Township and Freedom Township. Key features include hydrogeo study requirements, transportation route impacts, reservation exploration study, mine plan, reclamation plan, generally prohibiting discharge out of the mining area, and an annual report to the Board.

The subcommittee aims to present the revised ordinance to the Planning Commission by its August 8 meeting so that the Commission can hold a public hearing on September 5. The finalized ordinance will be before the Board for the October Board meeting (with a fallback to the November Board meeting). The ordinance will apply to new proposals and to renewals.

Board participants expressed pride in the work done so far, highlighting the intensive work and collaboration involved. The subcommittee's efforts aim to set a new standard for mining regulations, reflecting best practices and lessons learned from past experiences.

2) Resolution Extending Moratorium

Township Attorney Gabis explained that the Board had before them a Resolution to extend the 4-month moratorium on new and renewed mining permit applications in the Township, initially adopted March 18, 2024. The original moratorium had an option for a 3-month extension. The subcommittee had been meeting every week or every-other-week for at least two hours per meeting.

The extension is proposed for an additional three months to allow the subcommittee more time to complete the comprehensive update to the mining ordinance. The extension will ensure that the new ordinance is thorough and well-considered, addressing the known impacts of mining and establishing appropriate practices for the Township.

The extension should be until the last day of the 3rd month of the extension, or October 31, 2024.

MOTION by Allison, support by Moran, that the Ann Arbor Charter Township Board of Trustees approve the RESOLUTION EXTENDING MORATORIUM ON MINING APPLICATIONS, dated JULY 15, 2024, with the following changes:

- Under Recital B, eliminate “Resolution No. ____”.
- Under Recitals G and H, and Resolve 1, change “extended by three (3) months” to: “extended to October 31, 2024.”

MOTION passed unanimously by voice vote.

5. Update Regarding Court Stipulated Order Regarding Temporary Dredging Operations in the AA Township vs. Mid Michigan Materials Case No. 23-001234-CE

Noting that a copy of the Stipulated Order Regarding Temporary Dredging Operations was in the packet, Township Attorney and on the website, Township Attorney Dupes provided an update on the litigation with Mid Michigan Materials concerning dewatering and other issues. The injunction that was put in place to cease the dewatering process is still in force. The case has been stayed to allow the parties to observe the recovery of the aquifer, which was being monitored through various methods including residential well elevation measurements and data collection from on-site monitoring wells, as well as taking measurements from the pond that was being dewatered.

The Order regarding temporary dredging.

- The Order had been entered by Judge Connors on July 3, 2024, and is posted on the Township website. The purpose is to allow Mid Michigan Materials to explore potentially switching their operations to a dredging operation. The Township agreed to enter into this order to allow for a limited temporary dredging period of 45 days, starting approximately August 1. Mid-Michigan agreed to partially reimburse the Township for its attorney fees that have been incurred in dealing with the dewatering issue in this litigation. The temporary dredging will not create any rights or expectations on Mid Michigan’s part, nor will it override any of the Township’s authority to review and approve new or modified conditional use permit applications in the future or otherwise exercise its rights under the ordinances.
- The parties also further extended a stay in the case so that they can continue to pursue a potential resolution.
- Mid Michigan Materials is being required to install sound meters before and during the dredging operation. The operation will provide a baseline for future consideration and enforcement.
- The type of dredging used will be a large bucket attached to a boom. The dredging operation should not materially impact the cover of the aquifer. However, the reason for the trial period is to gauge the impacts of the dredging.
- The Inland Lakes and Streams Permit that Mid Michigan applied for is to create a 5-acre lake, and is not for dredging bottomlands in the public trust.
- Nothing in the Order compromises any of the Township’s claims. The Township has not released any of its claims in exchange for entering in this order, and the Order does not impact or prejudice the Township’s right in litigation.

Part 301 of Michigan's Natural Resource Environmental Protection Act, Inland Lakes and Streams Permit

When the dewatering ceased due to the injunction secured in litigation last fall, the active ponds started to fill back up with water, and in January 2024 Mid Michigan applied to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) for a permit to create a 5-acre lake. EGLE provided initial comments back. Mid Michigan has addressed the comments, including performing additional wetlands delineation. However, a new requirement emerged from a recent EGLE guidance document, necessitating modeling of potential evaporation from the proposed lake and its impact on the surrounding watershed. This additional modeling is expected to be completed by the end of September. Despite some perceptions of delay, Mid Michigan is responding in a timely manner and is working with EGLE to meet the new requirements. The delay in issuing the permit is attributed to the technical complexity of the new requirements rather than any lack of responsiveness from Mid Michigan. This scenario is not unusual in environmental permit processes, where additional time is often needed for compliance with evolving guidelines.

Sedimentation

A recent heavy storm led to significant erosion across the Township, particularly affecting dirt roads and other areas, causing muddy water and sediment issues. Reports were received from residents regarding potential erosion issues from Mid Michigan specifically. Stantec, the Township's engineering consultant, conducted an inspection of the site and met with Mid Michigan to discuss the impact. The inspection revealed that the berm on the north side of the mine, which had previously caused issues with adjacent wetlands and downstream Massey Lake, remained intact. The erosion control measures, including silt fencing installed by Mid Michigan at the urging of EGLE and the Township, were generally effective. However, the extreme volume of water from the storm overwhelmed some of these controls, allowing some fresh sediment to leave the site. Stantec highlighted these problem areas to Mid Michigan and requested corrective actions. While the storm exacerbated sedimentation issues, particularly in the wetlands and Massey Lake, it was noted that there was no significant new sedimentation leaving the site compared to past events. Ongoing investigations are focused on the sediment already present in the wetlands and its movement to Massey Lake, with reports expected soon.

Board discussion and questions

In response to questions, Attorney Dupes provided the following information:

- The Order regarding dredging does not allow for an extension of the dredging beyond 45 days, and the equipment must be removed at that time.
- The flow of erosion into Massey Lake that occurred last fall is undisputed. Discussions were ongoing as to the best way to mitigate this situation; it was important not to do more harm than good.
- A report from Tetra Tech will be released to the public within a couple of weeks.
- The existing injunction from last fall, which restricts dewatering and net groundwater loss, remains in effect. If Mid Michigan were to violate any aspect of this injunction or other regulatory conditions, the Township retains full rights to pursue enforcement actions.

- While on-site monitoring well data collected by Mid Michigan can be published, there are privacy concerns about residential well data which can be linked to specific addresses. In order to balance transparency with privacy the Board could release aggregated or anonymized well data. The Board should proceed with caution and only after first communicating to the property owners where wells are being monitored. Still, it would be useful for people to see any progress being made. Attorney Redmond will be asked to follow up on this question.

F. Maple Ridge

1) Resolution Approving the Private Wastewater System, Easements, Development Agreement, etc.

Township Attorney Gabis explained that the Board was being asked to consider a resolution to approve the Private Wastewater Treatment System Permit for the Maple Ridge development, as well as associated agreements and easements.

Township Engineer Humesky said that they had been through several rounds of reviews and met with the applicant several times to clarify certain technical items; all review comments on the plans are resolved. One minor electrical code item was still outstanding; this could be worked out administratively. The applicants did not have their permit from EGLE. There were a few details relative to the operation and maintenance manual and operation and maintenance schedule that are yet to be worked through.

Township Attorney Gabis noted that:

- The educational piece was not yet submitted. There is a provision in the agreements that requires this.
- Attorney Gabis has a copy of the covenant that must be given to all homeowners when they purchase their units.

Scott Hansen, Toll Brothers, made the following points:

- Toll Brothers anticipated receiving the permit from EGLE within the next few weeks.
- The estimated cost of the PWS is \$970K; \$450K will be submitted for escrow.
- Tonight's approval would enable Toll Brothers to proceed with pre-construction meetings in order to get pavement done this fall, after which a model home will be constructed.

Board discussion focused on the following:

- The 2,400 gallons per day capacity reserved for the Township per the development agreement.
- The operational structure of the sewer system, with Toll Brothers creating a separate entity, the Maple Ridge Sewer Authority, to manage the private community wastewater system. The sewer system would be transferred to the homeowners' association once 51% of the units were sold.
- Board members expressed concerns about the potential sale of the sewer system to another entity during the interim period before 51% of the units were sold. They discussed the need for provisions that would require township approval for any

operator changes, ensuring consistent management and accountability. The Board also considered increasing the threshold from 51% to a higher percentage to ensure a more significant portion of the community would be responsible for the PWS before it was fully transferred. Mr. Hansen expressed flexibility in adjusting this threshold.

- Detailed financial figures were provided. The 50% replacement reserve is set at \$385,185, while the initial two-year operational requirement, mandated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), is \$91,863. Additionally, there is a five-year requirement of \$284,539, which includes the initial two-year amount. These funds are essential to ensure the operation and maintenance of the system. The total financial commitment acts as a buffer to maintain the infrastructure before homeowners fully assume responsibility. It was clarified that these funds are separate from the replacement reserve, ensuring comprehensive coverage for various contingencies.
- The discussion further delved into the conditions under which escrow funds can be accessed. There is a structured process for releasing these funds, requiring affidavits from either the township or a resident of the homeowners' association, ensuring proper oversight. The agreement mandates that if these funds are used, they must be replenished by Toll Brothers or the responsible developer, maintaining a continuous financial safeguard for the infrastructure. This setup ensures that developers remain financially responsible until the homeowners have sufficient control and capability to manage the operations independently. The Board emphasized that the homeowners' fees and payments are the primary source for ongoing operations, with the escrow serving as a backup for unforeseen circumstances.
- The Board discussed the role of Infrastructure Alternatives, a company specializing in administering private municipal plants across Michigan. The Board stressed the need to thoroughly vet the company's capabilities. Township representatives will meet with Infrastructure Alternatives to ensure they meet all necessary criteria and expectations, including the provision of timely reports and effective maintenance services.
- The Board is seeking to ensure all agreements and conditions are clear and enforceable, particularly regarding the PWS's operation and maintenance. Mr. Hansen reiterated Toll Brothers' commitment to working with the Township to meet all requirements and ensure a smooth transition of the PWS to the homeowners' association.
- Trustee Allison emphasized that the easement that goes across the donated parcel should not preclude the ability to farm the property on top of the sewer pipe and suggested a change in the draft language as is stated in the motion below.

The Board reviewed the Resolution Approving Private Wastewater System and associated agreements and documents. After discussion and amendment, including discussion of the percentage of home ownership required before the PWS transitions to HOA control, and based on tonight's discussion, the following motions were offered.

MOTION by Basch, support by Olsson, that the Ann Arbor Charter Township Board of Trustees approve the resolution approving the PWS permit for Maple Ridge subject to

the attorney's modifications to the development documents to require 65% ownership of the units prior to developer transition of control.

Motion passed unanimously by voice vote.

MOTION by Allison, support by DiPietro, that the Ann Arbor Charter Township Board of Trustees approve the onsite Maple Ridge private wastewater system, sewer main and connection easement agreement.

Motion passed unanimously by voice vote.

MOTION by Allison, support by Moran, to approve the offsite easement agreement subject to the modification in paragraph three to permit maintenance of the easement only to the extent necessary, in order to also provide full preservation of farmland and existing natural features.

Motion passed unanimously by voice vote.

2) Resolution to Accept the Donated Parcel from Red Equities

In response to a question from Trustee Allison, Township Attorney Gabis said the donated parcel from Red Equities, associated with the Maple Ridge development, contains 100.168 acres.

After discussion and amendment, the following motion was offered:

MOTION by Allison, support by Moran, that the Ann Arbor Charter Township Board of Trustees approve the RESOLUTION ACCEPTING DONATED PARCEL, dated July 15, 2024, with the following amendment:

- Page 2, paragraph 4, add at the end: "The donated parcel must be permanently protected by conservation easement initiated and approved by the Township."

Motion passed unanimously by voice vote.

VI. REPORTS, DISCUSSIONS

A. Supervisor's Report – O'Connell

- Authorization – Tetra Tech

MOTION by Basch, support by DiPietro, to authorize the Supervisor to add \$8,500 for Tetra Tech for monitoring until October 2024.

Motion passed unanimously by voice vote.

- Earhart Road – The Township, Road Commission, and Mid Michigan representatives are still working to resolve the situation along Earhart Road.

- The Township received a Community Energy Management grant. The Township had asked for \$100K; the actual amount received is not yet known.
- Supervisor O'Connell, Attorney Gabis, and Planner Elmiger will be meeting with the Farmland Board next Monday night to explain certain sections of the Ordinance and to answer questions.
- Next Washtenaw County Supervisors' meeting will host both candidates for Sheriff.
- Supervisor O'Connell and Clerk Basch toured the Toyota facility; materials from the visit were in the packets.

B. Clerk's Report – Basch

- Written report is in the packets.

C. Treasurer's Report – Colvin-Garcia

- Materials provided.

D. Planning Commission – Allison

- 1) **June 26, 2024, Workshop**
- 2) **July 1, 2024, Meeting**

Trustee Allison reviewed the June 26, 2024 workshop meeting and the July 1, 2024 regular Planning Commission meetings.

E. Committee Report

- 1) **Farmland Open Space and Preservation Board Report** - Did not meet.
 - 2) **Utility Committee** - No report.
 - 3) **Climate Resilience Committee – Strategic Planning Summary**
Strategic Plan Meeting Summary is in the packets.
 - 4) **Zoning Board of Appeals – June 18, 2024**
Clerk Basch reviewed the June 18, 2024 ZBA meeting. Next meeting will be August 20.
 - 5) **Public Safety Committee** - Did not meet.
 - 6) **Roads Committee** - Did not meet.
- F. Utilities Department Report** - Did not meet.
- G. Public Safety Report**
- 1) **Washtenaw County Sheriff's Department**
Report is in the packets.
 - 2) **Fire Department – Chief Mark Nicholai**
June 2024 report is in the packets.
- H. Building Department Report** - Written report is in the packets.

VII. INFORMATION ONLY ITEMS - None

VIII. NON-AGENDA ITEMS - None

IX. PUBLIC COMMENT - None

X. ADJOURNMENT

MOTION by DiPietro, support by Allison, to adjourn the meeting.

Motion passed unanimously by voice vote.

The meeting was adjourned at 11:09 pm.

**ANN ARBOR CHARTER TOWNSHIP
BOARD OF TRUSTEES SPECIAL MEETING MINUTES
Thursday, August 1, 2024
TOWNSHIP OFFICES - 3792 PONTIAC TRAIL, ANN ARBOR, MI**

I. Call to Order, Establish Quorum

Supervisor O'Connell called the Ann Arbor Charter Township Board of Trustees meeting to order at 2:33 pm on August 1, 2024.

Present: Supervisor Diane O'Connell
Treasurer Carlene Colvin-Garcia
Trustee John Allison
Trustee Della DiPietro
Trustee Michael Moran
Trustee Kristine Olsson

Absent: Clerk Rena Basch

Also Present: Township Attorneys Sarah Gabis and Alex Dieck

II. Approve the Agenda

Olsson moved to change the order of the agenda items such that the open session topic of 'Resolution Authorizing the Ballot Proposal for Land Preservation Millage Renewal' is held after the Closed Session. Allison seconded the motion.

III. Closed Session - Consider the purchase or lease of real property pursuant to Section 8(1)(d) of the Michigan Open Meetings Act (MCL 15.268(1)(d)).

DiPietro moved to go into closed session per MCL 15.268(1)(d) of the Michigan Open Meetings Act, first to consider the purchase or lease of real property, and second to consult with Township attorneys regarding settlement strategy in connection with specific pending litigation pursuant to MCL 15.268(1)(e). Allison seconded the motion.

Roll call vote:

Allison – yes

Basch – absent

Colvin-Garcia – yes

DiPietro - yes

Moran - yes

O'Connell - yes

Olsson - yes

Motion passed 6-0. The Board of Trustees moved into closed session at 2:36 pm and left the meeting room.

At 3:53 pm the Board re-entered the Township meeting room and the following motion was offered:

MOTION by Olsson support by Allison that the Board move back into open session. Motion passed.

At 3:57 pm the Board resumed meeting in Open Session.

III. Open Session

A. Resolution Authorizing Ballot Proposal for Land Preservation Millage Renewal

O'Connell explained why we are rescinding the previous resolution and re-authorizing the ballot proposal.

Attorney Gabis explained what the changes are.

Allison moved to approve the Resolution Authorizing Ballot Proposal for Land Preservation Millage Renewal. Olsson Seconded.

Motion passed 6-0.

IV. Non-Agenda Items - None

V. Public Comment – None

VI. Adjourn

MOTION by DiPietro support by Colvin-Garcia to adjourn the meeting. Motion passed by voice vote, and meeting adjourned at 4:02 pm.

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 101 GENERAL FUND					
Dept 000 OTHER REVENUE ACCOUNT					
101-000-202.002	BCN ACCRUED LIABILITIES	BLUE CARE NETWORK	MEDICAL	7,250.52	2089700890
101-000-202.003	BCBS ACCRUED LIAB	BLUE CROSS & BLUE SHIELD	MEDICAL	16,320.39	2089700891
101-000-232.000	EMPLOYEE REIMBURSEMENT	VERIZON WIRELESS	CELLPHONES	40.03	2089700885
Total For Dept 000 OTHER REVENUE ACCOUNT				23,610.94	
Dept 101 BOARD OF TRUSTEES					
101-101-725.000	MEMBERSHIP-DUES	HURON RIVER WATERSHED	C FACILITATION, WATERSHED PLANNING, I	5,486.09	37857
101-101-725.000	MEMBERSHIP-DUES	SEMCOG	2024 ANNUAL MEMBERSHIP	924.00	37860
101-101-818.000	SERVICE CONTRACTS	CHERYL K. MCGUIRE	MINUTES	300.00	37849
101-101-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS PUBLI	BLUE BERRY LANE SAD	455.00	37851
101-101-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS PUBLI	SPECIAL ASSESSMENT NOTICE BLUEBERR	185.00	37851
101-101-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS PUBLI	ZONING ORDINANCE AMENDMENT NOTICE	40.00	37851
Total For Dept 101 BOARD OF TRUSTEES				7,390.09	
Dept 171 SUPERVISOR					
101-171-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	178.46	2089700893
Total For Dept 171 SUPERVISOR				178.46	
Dept 215 CLERK					
101-215-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	174.60	2089700893
101-215-715.002	DENTAL	DELTA DENTAL PLAN OF M	IDENTAL INSURANCE	147.42	2089700892
Total For Dept 215 CLERK				322.02	
Dept 228 TECHNOLOGY					
101-228-818.000	SERVICE CONTRACTS	ADOBE	ADOBE SOFTWARE	254.27	2089700885
101-228-818.000	SERVICE CONTRACTS	MICROSOFT CORPORATION	MICROSOFT 365	128.94	2089700885
101-228-818.000	SERVICE CONTRACTS	MICROSOFT CORPORATION	MICROSOFT 365	8.25	2089700885
101-228-818.000	SERVICE CONTRACTS	JCM MEDIA GROUP LLC	WEBSITE SERVICES	300.00	2089700894
101-228-818.000	SERVICE CONTRACTS	CIVICPLUS	MUNICODE FULL SERVICE CODE ONLINE I	400.00	37900
101-228-818.000	SERVICE CONTRACTS	CIVICPLUS	MUNICODE FULL SERVICE SUPPLEMENTAT	1,449.00	37900
101-228-980.000	PURCHASES	LENOVO	PC REPLACEMENT FOR DEPUTY TREASUREH	1,598.48	2089700885
Total For Dept 228 TECHNOLOGY				4,138.94	
Dept 253 TREASURER					
101-253-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	257.71	2089700893
101-253-715.002	DENTAL	DELTA DENTAL PLAN OF M	IDENTAL INSURANCE	43.71	2089700892
101-253-727.001	TAX BILLS	PRINT TECH INC.	SUMMER TAX MAILING	852.01	37858
101-253-818.000	SERVICE CONTRACTS	BS&A SOFTWARE	BS&A TAX AND ONLINE PERMIT APPLICA	1,335.00	37877
Total For Dept 253 TREASURER				2,488.43	
Dept 257 ASSESSOR					
101-257-818.000	SERVICE CONTRACTS	WAYNE COUNTY APPRAISAL	ASSESSING SERVICES	5,033.00	37868
Total For Dept 257 ASSESSOR				5,033.00	
Dept 261 OPERATIONS					
101-261-727.000	OFFICE SUPPLIES	ENGRAVING CONNECTION	JEFF SOUZA NAME PLATE	26.00	37853
101-261-727.000	OFFICE SUPPLIES	ENGRAVING CONNECTION	NAME PLATE	35.50	37901
101-261-727.000	OFFICE SUPPLIES	PRINT TECH INC.	ENVELOPES	211.67	37905
101-261-728.000	PRINTING/BINDING	OBM	OBM PRINTING	157.56	2089700885

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 101 GENERAL FUND					
Dept 261 OPERATIONS					
101-261-728.000	PRINTING/BINDING	LEAF	COPIER LEASE	302.50	2089700896
101-261-728.000	PRINTING/BINDING	ZENARTS DESIGN STUDIO	NEWLETTER	435.00	37872
101-261-728.000	PRINTING/BINDING	PRINT TECH INC.	NEWSLETTER	1,034.24	37905
101-261-730.000	POSTAGE & MAILING	PITNEY BOWES	POSTAGE	1,000.00	37889
101-261-730.000	POSTAGE & MAILING	PRINT TECH INC.	NEWSLETTER	654.17	37905
101-261-851.000	TELECOMMUNICATIONS	COMCAST CABLE	INTERNET & TV	65.00	2089700885
101-261-851.000	TELECOMMUNICATIONS	COMCAST CABLE	INTERNET & TV	65.00	2089700885
101-261-851.000	TELECOMMUNICATIONS	VERIZON WIRELESS	CELLPHONES	41.06	2089700885
101-261-956.004	Metro Act	Bodman PLC	Metro Act	280.00	37846
Total For Dept 261 OPERATIONS				4,307.70	
Dept 262 ELECTION					
101-262-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS	PUBI ADVERTISING	55.00	37851
101-262-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS	PUBI VOTING MACHINE ACCURACY TESTING	40.00	37851
101-262-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS	PUBI ELECTION COMMISSION	35.00	37851
101-262-909.000	ADVERTISING/PUBLISHING	DETROIT LEGAL NEWS	PUBI ELECTION NOTICE	65.00	37881
101-262-957.100	GENERAL OPERATING EXPENSES	SPECTRUM PRINTERS INC	MAILING SUPPLIES	161.73	37862
101-262-957.100	GENERAL OPERATING EXPENSES	WHAT'S COOKING	ELECTION LUNCHES	430.00	37908
101-262-980.000	PURCHASES	TAZ NETWORKS INC	ELECTION LAPTOP SETUP	737.08	37864
101-262-980.000	PURCHASES	HART INTERCIVIC INC	ELECTION EQUIPMENT	117.00	37903
Total For Dept 262 ELECTION				1,640.81	
Dept 265 BUILDINGS AND GROUNDS					
101-265-818.000	SERVICE CONTRACTS	JNS FACILITY MAINTENANC	JANITORIAL SERVICES	695.00	2089700895
101-265-920.000	Gas Charges : 3792 Pontiac Trl	DTE Energy Company	Gas Charges : 3792 Pontiac Trl	22.31	2089700883
101-265-920.000	Electric Charges : 3792 Pontiac Trl	DTE Energy Company	Electric Charges : 3792 Pontiac Trl	500.15	2089700883
101-265-933.000	REPAIR & MAINTENANCE	TRACTOR SUPPLY CREDIT	F GRASS SEED, GREASE CAN & COUPLER, 1	69.99	2089700897
Total For Dept 265 BUILDINGS AND GROUNDS				1,287.45	
Dept 266 LEGAL & PROFESSIONAL					
101-266-802.000	Task-200-General-Consultation	Stantec Consulting Mich	Task-200-General-Consultation-AAT-(	4,231.35	37863
101-266-811.000	General	Bodman PLC	General	2,170.00	37846
101-266-811.000	Ordinances	Bodman PLC	Ordinances	5,460.00	37846
101-266-811.000	LEGAL FEES	Bodman PLC	AT&T	980.00	37846
101-266-811.000	LEGAL FEES	Bodman PLC	Kim Bayer - CUP and Conservation E	280.00	37846
101-266-811.000	Blueberry Lane SAD	Bodman PLC	Blueberry Lane SAD	420.00	37846
101-266-811.000	LEGAL FEES	BARR, ANHUT & ASSOCIATE	LEGAL FEES	300.00	37896
101-266-811.010	Litigation - Mid Michigan Mat	Bodman PLC	Litigation - Mid Michigan Material	14,815.00	37846
101-266-811.014	LITIGATION- SUN COMMUNITIES	FOSTER, SWIFT, COLLINS	LEGAL SERVICES	1,140.00	37855
101-266-811.015	LITIGATION - BAYER	BARR, ANHUT & ASSOCIATE	LEGAL FEES	1,920.00	37896
Total For Dept 266 LEGAL & PROFESSIONAL				31,716.35	
Dept 272 FARMLAND SUPPORT					
101-272-920.001	4400 Pontiac Trl/Tilian Farm	DTE Energy Company	4400 Pontiac Trl/Tilian Farm	321.46	2089700883
Total For Dept 272 FARMLAND SUPPORT				321.46	
Dept 701 PLANNING COMMISSION					
101-701-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	127.41	2089700893
101-701-715.002	DENTAL	DELTA DENTAL PLAN OF MI	DENTAL INSURANCE	82.17	2089700892

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 101 GENERAL FUND					
Dept 701 PLANNING COMMISSION					
101-701-801.000	24 MP Update	CARLISLE-WORTMAN ASSOCI	24 MP Update	1,752.50	37848
101-701-801.000	Plan Consultation	CARLISLE-WORTMAN ASSOCI	Plan Consultation	1,950.00	37848
101-701-802.001	PREAPP MEETING EXPENSES	Bodman PLC	GABRIEL RICHARD	420.00	37846
101-701-811.000	Planning Commission	Bodman PLC	Planning Commission	840.00	37846
101-701-818.000	SERVICE CONTRACTS	CHERYL K. MCGUIRE	MINUTES	300.00	37849
Total For Dept 701 PLANNING COMMISSION				5,472.08	
Dept 702 ZONING					
101-702-806.000	Zoning Administration	CARLISLE-WORTMAN ASSOCI	Zoning Administration	1,105.00	37848
101-702-818.000	SERVICE CONTRACTS	CHERYL K. MCGUIRE	MINUTES	300.00	37849
Total For Dept 702 ZONING				1,405.00	
Total For Fund 101 GENERAL FUND				89,312.73	
Fund 105 DEVELOPMENT RIGHTS MONITORING					
Dept 266 LEGAL & PROFESSIONAL					
105-266-806.000	CONSULTANTS - OTHER	TREEMORE ECOLOGY & LANI	CONSULTING	123.76	37907
Total For Dept 266 LEGAL & PROFESSIONAL				123.76	
Total For Fund 105 DEVELOPMENT RIGHTS MONITORING				123.76	
Fund 205 PUBLIC SAFETY FUND					
Dept 301 POLICE/SHERIFF					
205-301-815.000	WASHTENAW COUNTY SHERIFF	WASHTENAW COUNTY TREAS	POLICE SERVICES	59,096.68	37867
Total For Dept 301 POLICE/SHERIFF				59,096.68	
Total For Fund 205 PUBLIC SAFETY FUND				59,096.68	
Fund 206 FIRE FUND					
Dept 228 TECHNOLOGY					
206-228-818.000	SERVICE CONTRACTS	MICROSOFT CORPORATION	MICROSOFT 365	244.06	2089700885
Total For Dept 228 TECHNOLOGY				244.06	
Dept 261 OPERATIONS					
206-261-727.000	Office Supplies	QUILL CORPORATION	Office Supplies	185.94	37859
206-261-728.000	PRINTING/BINDING	OBM	OBM PRINTING	165.70	2089700885
206-261-728.000	Printer / Copier Toner	OBM	Printer / Copier Toner	20.00	2089700885
206-261-728.000	PRINTING/BINDING	LEAF	COPIER LEASE	302.50	2089700896
206-261-742.000	6 Spanner Wrenches	FIRE SAFETY USA	6 Spanner Wrenches	198.65	2089700885
206-261-742.000	EMS Glove Holder	HEIMAN INC	EMS Glove Holder	119.83	2089700885
206-261-742.000	Accountability Tags	AMERICAN AWARDS AND ENG	Accountability Tags	72.50	37876
206-261-742.000	HDMI Cord, Oil, and Extensior	CARPENTER BROS. HARDWAR	HDMI Cord, Oil, and Extension Cord	80.96	37898
206-261-742.001	O2	AIRGAS USA LLC	O2	119.32	37874
206-261-798.000	Training Books	FIRE ENGINEERING BOOKS	Training Books	126.48	2089700885
206-261-818.000	SERVICE CONTRACTS	COMCAST CABLE	INTERNET AND TV	117.12	2089700885
206-261-818.000	SERVICE CONTRACTS	COMCAST CABLE	INTERNET & TV	186.38	2089700885
206-261-821.000	Dispatch Services	EMERGENT HEALTH PARTNEF	Dispatch Services	2,388.30	37852
206-261-821.000	Dispatch Services	EMERGENT HEALTH PARTNEF	Dispatch Services	2,388.30	37882
206-261-851.000	0	AT&T	FAX MACHINE	55.48	2089700885

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 206 FIRE FUND					
Dept 261 OPERATIONS					
206-261-851.000	TELECOMMUNICATIONS	COMCAST CABLE	INTERNET AND TV	111.95	2089700885
206-261-851.000	TELECOMMUNICATIONS	VERIZON WIRELESS	CELLPHONES	482.22	2089700885
206-261-933.000	Replacement Battery for Auto	ZOLL MEDICAL CORP	Replacement Battery for Autopulse	1,127.00	37869
206-261-933.000	Replacement Switch	ACE BARNES HARDWARE	Replacement Switch	17.67	2089700885
206-261-933.001	Cascade Sytem - Air Sampling	BREATHING AIR SYSTEMS	Cascade Sytem - Air Sampling	296.25	37847
206-261-955.000	Donuts for Fire Instructor I	DJ'S BAKERY	Donuts for Fire Instructor I Progra	30.00	2089700885
206-261-955.000	Donuts for Countywide Fire Ch	DJ'S BAKERY	Donuts for Countywide Fire Chief M	30.00	2089700885
206-261-955.000	Fire Instructor I Program - IDJ'S	BAKERY	Fire Instructor I Program - Donuts	30.00	2089700885
206-261-955.000	Fire Instructor I Program - IDJ'S	BAKERY	Fire Instructor I Program - Donuts	20.00	2089700885
206-261-955.000	Fire Instructor I Program - IDJ'S	BAKERY	Fire Instructor I Program - Donuts	30.00	2089700885
206-261-955.000	Fire Instructor I Program - IDJ'S	BAKERY	Fire Instructor I Program - Donuts	30.00	2089700885
206-261-955.000	Lunch for Hose Testing Day	DOMINOS PIZZA	Lunch for Hose Testing Day	58.18	2089700885
206-261-955.000	Fire Instructor I Program - ID	DOMINOS PIZZA	Fire Instructor I Program - Lunch	74.20	2089700885
206-261-955.000	Fire Instructor I Program - ID	DOMINOS PIZZA	Fire Instructor I Program - Lunch	148.32	2089700885
206-261-955.000	Lunch for Fire Instructor I	DOMINOS PIZZA	Lunch for Fire Instructor I Progra	93.20	2089700885
206-261-955.000	Fire Instructor I Program - I	GORDON FOOD SERVICE	Fire Instructor I Program - Lunch	163.01	2089700885
206-261-955.000	Fire Instructor I Program - I	GORDON FOOD SERVICE	Fire Instructor I Program - Lunch	14.86	2089700885
206-261-955.000	Fire Instructor I Program - I	GORDON FOOD SERVICE	Fire Instructor I Program - Lunch	50.82	2089700885
206-261-955.000	Gatorade / Ice / Hose Testin	GORDON FOOD SERVICE	GATORADE / ICE / HOSE TESTING DAY	49.97	2089700885
206-261-955.000	Bottled Water	GORDON FOOD SERVICE	Bottled Water	19.96	2089700885
206-261-955.000	Station Supplies	GORDON FOOD SERVICE	Station Supplies	46.33	2089700885
206-261-955.000	Live Fire Training Day	GUIDO'S PIZZA - AUBURN	Live Fire Training Day	128.34	2089700885
206-261-955.000	Agency EMS License	MICHIGAN DEPT. HEALTH A	Agency EMS License	200.00	2089700885
206-261-955.000	Bar Code Equipment Software	FORCA SCAN	Bar Code Equipment Software Progra	40.00	2089700885
206-261-955.000	Fire Instructor I Program - I	POLLY MARKET	Fire Instructor I Program - Lunch	31.61	2089700885
206-261-955.000	MISCELLANEOUS	POLLY ON THE LAKE MARKE	Fire Instructor I Program - Lunch	14.49	2089700885
206-261-955.000	Station Supplies	SAM'S CLUB/SYNCHRONY BA	Station Supplies	174.70	2089700885
206-261-976.000	Replacement TIC Vehicle Char	ALL-AMERICAN FIRE EQUIP	Replacement TIC Vehicle Charger - 1	572.63	37875
206-261-976.000	2 Replacment Air Cylinders (€	WEST SHORE FIRE, INC.	2 Replacment Air Cylinders (expire	3,014.00	37895
Total For Dept 261 OPERATIONS				13,627.17	
Dept 265 BUILDINGS AND GROUNDS					
206-265-920.000	Gas Charges : 3792 Pontiac Tr	DTE Energy Company	Gas Charges : 3792 Pontiac Trl	22.31	2089700883
206-265-920.000	4319 Goss Rd	DTE Energy Company	4319 Goss Rd	1,011.87	2089700883
206-265-920.000	Electric Charges : 3792 Pont	DTE Energy Company	Electric Charges : 3792 Pontiac Trl	500.15	2089700883
206-265-920.000	Fire Station 4301 GOSS RD BLD	DTE Energy Company	Fire Station 4301 GOSS RD BLDG B C	21.35	2089700883
206-265-933.000	Tool Mounting Hooks / Electr	HOME DEPOT USA INC	Tool Mounting Hooks / Electrical R	107.41	2089700885
206-265-933.000	Station 2 Bay Door Repair	ABBEY DOOR LLC	Station 2 Bay Door Repair	180.00	37873
206-265-933.000	Grass Kill / Nuts and Bolts	CARPENTER BROS. HARDWAR	Grass Kill / Nuts and Bolts	59.66	37898
206-265-933.000	Station 2 Airline Repair	CARPENTER BROS. HARDWAR	Station 2 Airline Repair	2.99	37898
206-265-933.000	Ant Traps	CARPENTER BROS. HARDWAR	Ant Traps	36.96	37898
206-265-933.000	Spackling	CARPENTER BROS. HARDWAR	Spackling	23.97	37898
Total For Dept 265 BUILDINGS AND GROUNDS				1,966.67	
Dept 270 PERSONNEL					
206-270-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	1,167.30	2089700893
206-270-715.002	DENTAL	DELTA DENTAL PLAN OF MID	DENTAL INSURANCE	732.48	2089700892
206-270-725.000	Inspc. 1 - Volger	NATIONAL FIRE PROTECTIC	Inspc. 1 - Volger	180.00	2089700885
206-270-746.000	County TRT Uniform Shirts	GREAT LAKES CUSTOM EMBF	County TRT Uniform Shirts	440.52	37884

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 206 FIRE FUND					
Dept 270 PERSONNEL					
206-270-746.001	Fire Hood and Gloves	MUNICIPAL EMERGENCY SEF	Fire Hood and Gloves	702.55	37887
206-270-746.001	Fire Hood Gloves	MUNICIPAL EMERGENCY SEF	Fire Hood Gloves	932.55	37887
206-270-746.001	Structural Gloves and Hood	MUNICIPAL EMERGENCY SEF	Structural Gloves and Hood	391.13	37887
206-270-746.001	Gear Repair x 1	TURNOUT RENTAL LLC	Gear Repair x 1	466.00	37893
206-270-746.001	12 Extrication Gloves	VICTORY STEEL	12 Extrication Gloves	672.00	37894
206-270-746.001	Replacement SCBA Mask	WEST SHORE FIRE, INC.	Replacement SCBA Mask	368.38	37895
206-270-961.000	FDTN Annual Membership Fee	FIRE DEPARTMENT TRAININ	FDTN Annual Membership Fee	300.00	37883
206-270-961.001	Forcible Entry Prop Supplies	HOME DEPOT USA INC	Forcible Entry Prop Supplies - Pro	29.92	2089700885
206-270-961.001	Live Fire Training	OAKLAND COMMUNITY COLLE	Live Fire Training	2,800.00	37888
206-270-961.001	EMT Testing Software - Licer	PLATINUM EDUCATIUNAL G	EMT Testing Software - License Fee	500.00	37890
Total For Dept 270 PERSONNEL				9,682.83	
Dept 596 TRANSPORTATION					
206-596-748.000	Utility 12-3	Casey's General	Utility 12-3	28.91	2089700885
206-596-748.000	Utility 12-3	CC Food Market	Utility 12-3	112.11	2089700885
206-596-748.000	Utility 12-3	SPEEDWAY	Utility 12-3	59.67	2089700885
206-596-748.000	Fuel	CORRIGAN OIL COMPANY NC	Fuel	719.05	37879
206-596-748.000	Fuel	CORRIGAN OIL COMPANY NC	Fuel	936.96	37879
206-596-748.000	Fuel	CORRIGAN OIL COMPANY NC	Fuel	883.19	37879
206-596-748.000	GASOLINE & DIESEL	BP PRODUCTS NORTH AMER	BP GAS	552.03	2089700901
206-596-933.000	Grease Gun - Station 1	AMAZON.COM LLC	Grease Gun - Station 1	212.88	2089700885
206-596-933.000	Tanker 12-1 / Light Replacem	AMAZON.COM LLC	Tanker 12-1 / Light Replacements	157.76	2089700885
206-596-933.000	U12-3 Tire Repair	Dobbs Tire Auto Center	U12-3 Tire Repair	29.95	2089700885
206-596-933.000	U12-3 / LOF	DUNNING TOYOTA ANN ARB	U12-3 / LOF	198.47	2089700885
206-596-933.000	Station 2 - Sump Pump Replac	HOME DEPOT USA INC	Station 2 - Sump Pump Replacement	224.92	2089700885
206-596-933.000	REPAIR & MAINTENANCE	ZIPPY AUTO WASH LLC	UNLIMITED FAST PASS RENEWALS	29.99	2089700885
206-596-933.000	REPAIR & MAINTENANCE	ZIPPY AUTO WASH LLC	UNLIMITED FAST PASS RENEWALS	29.99	2089700885
206-596-933.000	REPAIR & MAINTENANCE	ZIPPY AUTO WASH LLC	UNLIMITED FAST PASS RENEWALS	29.99	2089700885
206-596-933.000	L-2 Outrigger Switches / Safe	CSI EMERGENCY APPARATUS	L-2 Outrigger Switches / Safety Re	2,715.48	37880
206-596-933.000	L-2 and E-2 - Replacement LEI	PRIORITY ONE EMERGENCY	L-2 and E-2 - Replacement LED Light	393.98	37891
206-596-933.000	E-2 Tires	SHRADER TIRE & OIL INC	E-2 Tires	1,654.53	37892
206-596-933.000	R-1 Tire Replacement	SHRADER TIRE & OIL INC	R-1 Tire Replacement	2,698.61	37892
206-596-933.000	R-1 Tires	SHRADER TIRE & OIL INC	R-1 Tires	334.81	37892
206-596-955.100	Toll Road Fee - EXEPENSE VOUC	ITR Concessions Company	Toll Road Fee - EXEPENSE VOUCHER	2.50	2089700885
206-596-955.100	Toll Road Fee - EXEPENSE VOUC	ITR Concessions Company	Toll Road Fee - EXEPENSE VOUCHER	1.70	2089700885
Total For Dept 596 TRANSPORTATION				12,007.48	
Total For Fund 206 FIRE FUND				37,528.21	
Fund 211 GRANTS FUND					
Dept 751 PARKS AND RECREATION					
211-751-802.000	Task-600-Final-Engineering-Di	Stantec Consulting Mich	Task-600-Final-Engineering-Dixboro	1,088.14	37863
Total For Dept 751 PARKS AND RECREATION				1,088.14	
Total For Fund 211 GRANTS FUND				1,088.14	
Fund 219 STREET LIGHTING FUND					
Dept 265 BUILDINGS AND GROUNDS					
219-265-920.000	FC streetlights	DTE Energy Company	FC streetlights	420.70	2089700884

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 219 STREET LIGHTING FUND					
Dept 265 BUILDINGS AND GROUNDS					
Total For Dept 265 BUILDINGS AND GROUNDS				420.70	
Total For Fund 219 STREET LIGHTING FUND				420.70	
Fund 225 FARMLAND PRESERVATION					
Dept 266 LEGAL & PROFESSIONAL					
225-266-806.000	CONSULTANTS - OTHER	TREEMORE ECOLOGY & LAND	FARMLAND CONSULTING	733.76	37865
225-266-806.000	CONSULTANTS - OTHER	TREEMORE ECOLOGY & LAND	FARMLAND CONSULTING	917.52	37907
Total For Dept 266 LEGAL & PROFESSIONAL				1,651.28	
Total For Fund 225 FARMLAND PRESERVATION				1,651.28	
Fund 249 BUILDING DEPARTMENT FUND					
Dept 228 TECHNOLOGY					
249-228-818.000	SERVICE CONTRACTS	MICROSOFT CORPORATION	MICROSOFT 365	50.66	2089700885
249-228-818.000	SERVICE CONTRACTS	BS&A SOFTWARE	BS&A TAX AND ONLINE PERMIT APPLICAT	106.00	37877
Total For Dept 228 TECHNOLOGY				156.66	
Dept 261 OPERATIONS					
249-261-812.000	INSPECTOR COSTS	GARY WOELKE	INSPECTIONS	2,000.00	37902
249-261-812.000	INSPECTOR COSTS	JAMES RATLIFF	INSPECTIONS	920.00	37904
249-261-812.000	INSPECTOR COSTS	RICK PLISKO	INSPECTIONS	640.00	37906
249-261-851.000	TELECOMMUNICATIONS	VERIZON WIRELESS	CELLPHONES	123.18	2089700885
249-261-980.000	OFFICE EQUIP. & FURNITURE	JOHNETTA ELLIOT	REIMBURSEMENT FOR COFFEE CREAMER	7.88	37886
Total For Dept 261 OPERATIONS				3,691.06	
Dept 266 LEGAL & PROFESSIONAL					
249-266-806.000	CONSULTANTS - OTHER	CARLISLE-WORTMAN ASSOCI	49 S DIXBORO	405.00	37848
Total For Dept 266 LEGAL & PROFESSIONAL				405.00	
Dept 270 PERSONNEL					
249-270-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	300.67	2089700893
249-270-715.002	DENTAL	DELTA DENTAL PLAN OF M	IDENTAL INSURANCE	229.59	2089700892
Total For Dept 270 PERSONNEL				530.26	
Dept 596 TRANSPORTATION					
249-596-748.000	GASOLINE & DIESEL	BP PRODUCTS NORTH AMER	IBP GAS	95.28	2089700901
249-596-933.000	REPAIR & MAINTENANCE	VICTORY LANE QUICK OIL	AUTO SERVICE	79.98	37866
Total For Dept 596 TRANSPORTATION				175.26	
Total For Fund 249 BUILDING DEPARTMENT FUND				4,958.24	
Fund 592 UTILITIES FUND					
Dept 000 OTHER REVENUE ACCOUNT					
592-000-277.000	Sewer	ANN ARBOR PUBLIC SCHO	OLUB REFUND FOR ACCOUNT: EARH-003700-	26.61	37845
592-000-277.000	Water 2	ANN ARBOR PUBLIC SCHO	OLUB REFUND FOR ACCOUNT: EARH-003700-	19.24	37845
592-000-277.000	Water	ANN ARBOR PUBLIC SCHO	OLUB REFUND FOR ACCOUNT: EARH-003700-	6.20	37845
Total For Dept 000 OTHER REVENUE ACCOUNT				52.05	
Dept 228 TECHNOLOGY					

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 592 UTILITIES FUND					
Dept 228 TECHNOLOGY					
592-228-818.000	SERVICE CONTRACTS	MICROSOFT CORPORATION	MICROSOFT 365	36.84	2089700885
Total For Dept 228 TECHNOLOGY				36.84	
Dept 261 OPERATIONS					
592-261-727.000	OFFICE SUPPLIES	QUILL CORPORATION	PAPER FOR UTILITY BILLS	44.50	37859
592-261-779.000	SMALL TOOLS	HOME DEPOT USA INC	GREASE GUN AND OTHER TOOLS	356.77	2089700885
592-261-779.000	SMALL TOOLS	TRACTOR SUPPLY CREDIT F	GRASS SEED, GREASE CAN & COUPLER, 1	69.45	2089700897
592-261-818.000	SERVICE CONTRACTS	CITY OF ANN ARBOR	BACTI SAMPLE TESTING	120.00	37850
592-261-818.000	SERVICE CONTRACTS	PARKWAY SERVICES, INC	PORTABLE TOILET FEB - JUNE	520.00	2089700885
592-261-818.000	SERVICE CONTRACTS	PARKWAY SERVICES, INC	PORTABLE TOILET	130.00	2089700885
592-261-851.000	TELECOMMUNICATIONS	VERIZON WIRELESS	CELLPHONES	177.44	2089700885
592-261-933.000	REPAIR & MAINTENANCE	FERGUSON WATERWORKS #33	PIPE SLEEVES	3,279.04	37854
592-261-933.000	REPAIR & MAINTENANCE	GRAINGER	REPAIR & MAINTENANCE	18.49	37856
592-261-933.000	REPAIR & MAINTENANCE	GRAINGER	HARDWARE	6.82	37856
592-261-933.000	REPAIR & MAINTENANCE	SHRADER TIRE & OIL INC	AUTO-PARTS	334.81	37861
592-261-933.000	REPAIR & MAINTENANCE	SALENBIEN WELDING SERV	LABOR TO REPAIR CRACKS IN MOWER DE	175.00	2089700885
592-261-933.000	REPAIR & MAINTENANCE	TRACTOR SUPPLY CREDIT F	TRAILER HITCHES	394.98	2089700897
592-261-933.000	REPAIR & MAINTENANCE	JACK DOHENY SUPPLIES, I	HARD HAT	187.67	37885
592-261-933.000	REPAIR & MAINTENANCE	CARPENTER BROS. HARDWA	HARDWARE	29.98	37898
592-261-933.000	REPAIR & MAINTENANCE	CARPENTER BROS. HARDWA	HARDWARE	32.68	37898
592-261-976.000	EQUIPMENT PURCH UNDER \$5K	GFG INSTRUMENTATION	INGAS MONITORS	595.00	2089700885
Total For Dept 261 OPERATIONS				6,472.63	
Dept 265 BUILDINGS AND GROUNDS					
592-265-920.000	4620 E Huron Dr	DTE Energy Company	4620 E Huron Dr	99.12	2089700883
592-265-920.000	3701 Plymouth Rd	DTE Energy Company	3701 Plymouth Rd	20.52	2089700883
592-265-920.000	4231 Whitehall Dr	DTE Energy Company	4231 Whitehall Dr	1,068.05	2089700883
592-265-920.000	1300 Earhart Rd	DTE Energy Company	1300 Earhart Rd	29.69	2089700883
592-265-920.000	1947 N Dixboro Rd	DTE Energy Company	1947 N Dixboro Rd	551.40	2089700883
592-265-920.000	1343 Stark Strasse	DTE Energy Company	1343 Stark Strasse	248.28	2089700883
592-265-920.000	3695 Washtenaw	DTE Energy Company	3695 Washtenaw	140.55	2089700883
Total For Dept 265 BUILDINGS AND GROUNDS				2,157.61	
Dept 266 LEGAL & PROFESSIONAL					
592-266-802.000	Task-201-Utilities-Consultati	Stantec Consulting Mich	Task-201-Utilities-Consultation-AA'	2,162.25	37863
592-266-811.000	University of Michigan	Bodman PLC	University of Michigan	1,190.00	37846
592-266-811.000	Utilities	Bodman PLC	Utilities	1,120.00	37846
Total For Dept 266 LEGAL & PROFESSIONAL				4,472.25	
Dept 270 PERSONNEL					
592-270-715.001	LIFE INSURANCE	HARTFORD LIFE & ACCIDEN	LIFE INSURANCE	305.21	2089700893
592-270-715.002	DENTAL	DELTA DENTAL PLAN OF M	DENTAL INSURANCE	191.13	2089700892
592-270-955.200	CONVENTION & CONFERENCES	AMERICAN WATER WORKS AS	MICHIGAN SECTION ANNUAL CONFERENCE	570.00	2089700885
592-270-955.200	CONVENTION & CONFERENCES	BOYNE MOUNTAIN RESORT	HOTEL 06-09-24 TO 6-12-24	367.47	2089700885
592-270-955.200	CONVENTION & CONFERENCES	MICHIGAN RURAL WATER AS	MRWA OUTDOOR EXPO	495.00	2089700885
592-270-955.200	CONVENTION & CONFERENCES	MICHIGAN RURAL WATER AS	MRWA MEMBERSHIP DUES	105.00	2089700885
Total For Dept 270 PERSONNEL				2,033.81	
Dept 537 SALES/PURCHASES OF W&S					

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 592 UTILITIES FUND					
Dept 537 SALES/PURCHASES OF W&S					
592-537-813.000	WATER PURCHASE-CITY OF AA	CITY OF ANN ARBOR TREAS Q2 2024 WATER		273,341.38	37878
592-537-813.883	SEWER PURCHASES-CITY OF AA	CITY OF ANN ARBOR TREASQ2 2024 SEWER		250,000.27	37878
Total For Dept 537 SALES/PURCHASES OF W&S				523,341.65	
Dept 596 TRANSPORTATION					
592-596-748.000	GASOLINE & DIESEL	BP PRODUCTS NORTH AMERIBP GAS		594.89	2089700901
592-596-933.000	REPAIR & MAINTENANCE	BREWER'S INC. AUTO-SERVICE INVOICE 74749 & 74754		4,302.35	37897
592-596-933.000	REPAIR & MAINTENANCE	CARQUEST AUTO PARTS AUTO PARTS		67.63	37899
592-596-933.000	REPAIR & MAINTENANCE	CARQUEST AUTO PARTS AUTO PARTS		6.29	37899
Total For Dept 596 TRANSPORTATION				4,971.16	
Dept 901 CAPITAL PURCHASES					
592-901-976.001	EQUIP PURCH OVER \$5	FERGUSON WATERWORKS #33NEW METER SCANNING SYSTEM (NEPTUNI		13,207.30	37854
Total For Dept 901 CAPITAL PURCHASES				13,207.30	
Total For Fund 592 UTILITIES FUND				556,745.30	
Fund 701 GENERAL AGENCY FUND					
Dept 000 OTHER REVENUE ACCOUNT					
701-000-230.000	TAX COLLECTIONS TO DISBURSE-(ANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			7,818.51	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-(ANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			225.28	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-IANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			5,342.62	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-IANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			153.96	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-(ANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			3,140.78	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-(ANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			90.51	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-(ANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			3,390.72	2089700898
701-000-230.000	TAX COLLECTIONS TO DISBURSE-(ANN ARBOR PUBLIC SCHOOL TAX COLLECTIONS TO DISBURSE-OPER			97.72	2089700898
701-000-230.000	STATE ED TAX WASHTENAW COUNTY TREASU STATE ED TAX			7,509.98	2089700899
701-000-230.000	STATE ED TAX -INT WASHTENAW COUNTY TREASU STATE ED TAX			450.60	2089700899
701-000-230.000	COUNTY TAXES /WINTER WASHTENAW COUNTY TREASU STATE ED TAX			3,643.71	2089700899
701-000-230.000	COUNTY TAXES /SUMMER WASHTENAW COUNTY TREASU STATE ED TAX			5,446.22	2089700899
701-000-230.000	COUNTY TAXES /SUMMER INT WASHTENAW COUNTY TREASU STATE ED TAX			326.77	2089700899
701-000-230.000	TAX COLLECTIONS TO DISBURSE WASHTENAW INTERMEDIATE TAX COLLECTIONS TO DISBURSE			6,932.83	2089700900
701-000-230.000	TAX COLLECTIONS TO DISBURSE-]WASHTENAW INTERMEDIATE TAX COLLECTIONS TO DISBURSE			415.97	2089700900
701-000-230.000	DUE TO TAXING AUTHORITIES/TA]ANN ARBOR DISTRICT LIBF TAX COLLECTIONS TO DISBURSE			2,281.52	37870
701-000-230.000	DUE TO TAXING AUTHORITIES/TA]ANN ARBOR DISTRICT LIBF TAX COLLECTIONS TO DISBURSE			136.89	37870
701-000-230.000	TAX COLLECTIONS TO DISBURSE WASHTENAW COMMUNITY COI TAX COLLECTIONS TO DISBURSE			4,199.07	37871
701-000-230.000	TAX COLLECTIONS TO DISBURSE-]WASHTENAW COMMUNITY COI TAX COLLECTIONS TO DISBURSE			251.95	37871
Total For Dept 000 OTHER REVENUE ACCOUNT				51,855.61	
Total For Fund 701 GENERAL AGENCY FUND				51,855.61	
Fund 702 ESCROW FUND					
Dept 000 OTHER REVENUE ACCOUNT					
702-000-249.044	Northbrook - *South*	CARLISLE-WORTMAN ASSOCI	Northbrook - *South*	660.00	37848
702-000-249.077	Task-201-CP-01-23-Beckwith-Pr	Stantec Consulting Mich	Task-201-CP-01-23-Beckwith-Private-	169.00	37863
702-000-249.079	Task-203-CP-03-23-1555-Batte	Stantec Consulting Mich	Task-203-CP-03-23-1555-Battery-Sto:	859.00	37863
702-000-249.080	CP-01-24-Beztak-All-Seasons-I	Stantec Consulting Mich	CP-01-24-Beztak-All-Seasons-Phase--	207.00	37863
702-000-262.079	Task-228-SOI-28-20-Mid-Michiç	Stantec Consulting Mich	Task-228-SOI-28-20-Mid-Michigan-Ma	544.00	37863

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 702 ESCROW FUND					
Dept 000 OTHER REVENUE ACCOUNT					
702-000-262.083	Task-218-SOI-18-22-AAWWTP-Hea	Stantec Consulting Mich	Task-218-SOI-18-22-AAWWTP-Headwork:	228.00	37863
702-000-262.085	Task-201-SOI-01-23-Beckwith-(	Stantec Consulting Mich	Task-201-SOI-01-23-Beckwith-Soil-E:	760.00	37863
702-000-280.147	SP-07-15 BEZTAK ALL SEASONS (	Bodman PLC	Beztak/All Seasons	2,275.00	37846
702-000-280.147	Task-207-SP-07-15-All-Seasons	Stantec Consulting Mich	Task-207-SP-07-15-All-Seasons-of-Ai	616.00	37863
702-000-280.203	Task-205-SP-05-20-Maple-Ridge	Stantec Consulting Mich	Task-205-SP-05-20-Maple-Ridge-AAT-:	3,505.00	37863
702-000-280.229	PWS-01-23 MAPLE RIDGE	Bodman PLC	Maple (Arbor) Ridge	2,805.00	37846
702-000-280.229	PWS-01-23 MAPLE RIDGE	CARLISLE-WORTMAN ASSOCI	Maple Ridge	130.00	37848
702-000-280.229	Task-300-PWS-01-23-Maple-Rid	Stantec Consulting Mich	Task-300-PWS-01-23-Maple-Ridge-AAT-	69.00	37863
702-000-280.236	Task-202-SOI-02-24-DTENE-BEL	Stantec Consulting Mich	Task-202-SOI-02-24-DTENE-BELT-Soil-	684.00	37863
702-000-280.238	SP-02-24 TOYOTA 1555 SUBSTAT	Bodman PLC	Toyota Technical Center	2,810.00	37846
Total For Dept 000 OTHER REVENUE ACCOUNT				16,321.00	
Total For Fund 702 ESCROW FUND				16,321.00	

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INVOICE GL DISTRIBUTION REPORT FOR ANN ARBOR CHARTER TOWNSHIP
EXP CHECK RUN DATES 07/12/2024 - 08/15/2024
JOURNALIZED OPEN AND PAID
BANK CODE: POOL2

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund Totals:					
			Fund 101 GENERAL FUND	89,312.73	
			Fund 105 DEVELOPMENT	123.76	
			Fund 205 PUBLIC SAFET	59,096.68	
			Fund 206 FIRE FUND	37,528.21	
			Fund 211 GRANTS FUND	1,088.14	
			Fund 219 STREET LIGHT	420.70	
			Fund 225 FARMLAND PRE	1,651.28	
			Fund 249 BUILDING DEP	4,958.24	
			Fund 592 UTILITIES FU	556,745.30	
			Fund 701 GENERAL AGEN	51,855.61	
			Fund 702 ESCROW FUND	16,321.00	
			Total For All Funds:	<u>819,101.65</u>	

Agreement between Owner and Contractor

This Agreement between Owner and Contractor (the "Agreement") is effective 7/15/2024,

Between: SAK Construction, LLC ("Contractor"), a company organized and existing under the laws of the County of St. Charles, State of Missouri, with its head office located at:
864 Hoff Road
O'Fallon, MO 63366

And: Charter Township of Ann Arbor MI ("Owner"), a company organized and existing under the laws of the County of Washtenaw State of Michigan, with its head office located at:
3792 Pontiac Trail,
Ann Arbor, MI 48105

WHEREAS, Owner finds that the Contractor is qualified to perform the work, all relevant factors considered, and that such performance will be in furtherance of Owner's business, and

WHEREAS, Region 4 Education Service Center ("Region 4 ESC") is a Principal Procurement/Lead Agency for OMNIA Partners Public Sector ("OMNIA Partners"), and

WHEREAS, Owner has registered as a Participating Public Agency with OMNIA Partners to participate in the cooperative purchasing programs administered by OMNIA Partners and its affiliates and subsidiaries, and

WHEREAS, on behalf of itself and on behalf of OMNIA Partners the Region 4 ESC through its competitively solicited RFP #22-04 awarded the Contract to Contractor for "Trenchless Technology Rehabilitation and Related Products and Services" Contract #220402 ("Master Agreement") effective March 1, 2022 through February 28, 2025, with an option to renew for two (2) additional one-year periods through February 28, 2027, for the services to perform the work sought by the Owner, and

WHEREAS, this Master Agreement is structured with not-to-exceed pricing, in which case the Contractor may offer the Owner and the Owner may accept lower pricing, and

WHEREAS, Contractor is offering the Owner lower pricing than the Master Agreement not-to-exceed pricing by offering the preferred local pricing attached hereto as Exhibit A, which Contractor will honor for a period of three (3) years from the date this agreement is executed, providing the Charter Township of Ann Arbor the ability to address the work sought for a period of three (3) years.

NOW, THEREFORE, in consideration of the mutual covenants set forth herein and intending to be legally bound, the parties hereto agree as follows:

1. MATERIAL AND LABOR PROVIDED

The Contractor agrees to provide all the material and labor required to perform the following work for:

Pipeline Assessment, Cleaning, CCTV, CIPP and other Sewer Rehab on an AS NEEDED basis per the Preferred Local Pricing. (Exhibit A).

The Contractor agrees to provide and pay for all materials, tools and equipment required for execution and timely completion of the work. Unless otherwise specified, all materials shall be new and of good quality.

2. PAYMENT

"The Owner hereby agrees to pay the Contractor, for the aforesaid materials and labor AS NEEDED, the sum of Not to Exceed \$100,000.00 Annually in the following manner:

Net 30

3. COMPLETION OF THE WORK

The Contractor agrees that the above-described work shall be completed per work order on a mutually agreed upon schedule. Each calendar year the Not to Exceed Amount above will be used in full by the end of each year.

4. MODIFICATION TO THE WORK

All changes and deviations in the work ordered by the Owner must be in writing, the contract sum being increased or decreased accordingly by the Contractor. Any claims for increases in the cost of the work must be presented by the Contractor to the Owner in writing, and written approval of the Owner shall be obtained by the Contractor before proceeding with the ordered change or revision.

5. ACCESS

The Owner, Owner's representative and public authorities shall at all times have access to the work.

6. CONFORMITY WITH DRAWING AND SPECIFICATIONS

The Contractor agrees to re-execute any work which does not conform to the drawings and specifications, warrants the work performed, and agrees to remedy any defects resulting from faulty materials or workmanship, which shall become evident during a period of one year after completion of the work.

7. INSURANCE COVERAGE

The Owner agrees to maintain full insurance on the above-described work during the progress of the work, in his own name and that of the Contractor.

The Contractor agrees to obtain insurance to protect himself against claims for property damage, bodily injury or death due to his performance of this agreement.

8. DELAYS

In the event the Contractor is delayed in the prosecution of the work by acts of God, fire, flood or any other unavoidable causalities, or by labor strikes, late delivery of materials, or by neglect of the Owner, the time of completion of the work shall be extended for the same period as the delay occasioned by any of the aforementioned causes.

9. NO ASSIGNMENT

Neither the owner nor Contractor shall have the right to assign any rights or interest occurring under this agreement without the written consent of the other, nor shall the Contractor assign any sums due, or to become due, to him under the provisions of this agreement.

10. GOVERNING LAW

This agreement shall be interpreted under laws of the County of Washtenaw, State of Michigan.

11. ATTORNEY'S FEES

Attorney's fees and court costs shall be paid by the defendant in the event that judgment must be, and is, obtained to enforce this agreement or any breach thereof.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

OWNER

SAK Construction, LLC

Authorized Signature

Authorized Signature

Print Name and Title

Print Name and Title

Exhibit A
Preferred Local Pricing
Charter Township of Ann Arbor

ITEM	DESCRIPTION	UNIT	UNIT PRICE
Section 1	SANITARY SEWER CLEANING		
1	Sanitary sewer cleaning, light, 8 inch to 72 inch diameter	linear foot	\$ 2.00
2	Sanitary sewer cleaning, heavy, 8 inch to 72 inch diameter	linear foot	\$ 5.00
3	Sanitary Sewer reaming, 8 inch to 72 inch diameter	linear foot	\$ 5.00
4	Removal of protruding lateral	each	\$ 100.00
Section 2	SANITARY SEWER VIDEO INSPECTION		
5	Sanitary sewer video inspection, 8 inch to 72 inch diameter	linear foot	\$ 8.00
Section 3	SANITARY SEWER SPOT LINER REPAIR		
6	Structural spot liner, 8 inch diameter - 3 feet to 10 feet length	each	\$ 3,000.00
7	Structural spot liner, 8 inch diameter - 10 feet to 20 feet length	each	\$ 4,000.00
9	Structural spot liner, 10 inch diameter - 3 feet to 10 feet length	each	\$ 3,500.00
10	Structural spot liner, 10 inch diameter - 10 feet to 20 feet length	each	\$ 4,500.00
12	Structural spot liner, 12 inch diameter - 3 feet to 10 feet length	each	\$ 4,000.00
13	Structural spot liner, 12 inch diameter - 10 feet to 20 feet length	each	\$ 5,000.00
15	Structural spot liner, 15 inch diameter - 3 feet to 10 feet length	each	\$ 4,500.00
16	Structural spot liner, 15 inch diameter - 10 feet to 20 feet length	each	\$ 5,500.00
18	Structural spot liner, 18 inch diameter - 3 feet to 10 feet length	each	\$ 5,200.00
19	Structural spot liner, 18 inch diameter - 10 feet to 20 feet length	each	\$ 6,000.00
21	Structural spot liner, 21 inch diameter - 3 feet to 10 feet length	each	\$ 6,000.00
22	Structural spot liner, 21 inch diameter - 10 feet to 20 feet length	each	\$ 7,000.00
24	Structural spot liner, 24 inch diameter - 3 feet to 10 feet length	each	\$ 6,500.00
25	Structural spot liner, 24 inch diameter - 10 feet to 20 feet length	each	\$ 7,500.00
Section 4	SANITARY SEWER LATERAL CLEANING AND REPAIR		
27	Lateral sewer video inspection	each	\$ 1,000.00
28	CIPP lateral liner, 6 inch diameter, up to 60 feet length	each	\$ 3,500.00
29	Installation of cleanout	each	\$ 1,500.00
Section 5	SANITARY SEWER JOINT TESTING AND SEALING		
29	Sanitary sewer pipe joint testing and sealing, 8 inch to 24 inch dia	joint	\$ 500.00
Section 6	CIPP SEWER PIPE LINING		
30	CIPP Sewer Lining, 8 inch diameter	linear foot	\$ 35.00
31	CIPP Sewer Lining, 10 inch diameter	linear foot	\$ 40.00
32	CIPP Sewer Lining, 12 inch diameter	linear foot	\$ 48.00
33	CIPP Sewer Lining, 15 inch diameter	linear foot	\$ 60.00
34	CIPP Sewer Lining, 18 inch diameter	linear foot	\$ 75.00
35	CIPP Sewer Lining, 21 inch diameter	linear foot	\$ 95.00
36	CIPP Sewer Lining, 24 inch diameter	linear foot	\$ 120.00
37	CIPP Sewer Lining, 30 inch diameter	linear foot	\$ 200.00
38	Reinstate lateral service connections	each	\$ 250.00
Section 7	MANHOLE REHABILITATION		
38	Calclum aluminate lining	vertical foot	\$ 225.00
39	Epoxy	vertical foot	\$ 300.00
40	CIP lining	vertical foot	\$ 350.00
41	Seal spot leak in structure	each	\$ 300.00
42	Seal adjustment rings	each	\$ 1,500.00
43	Replace corbel	each	\$ 1,000.00



July 29, 2024

Diane O'Connell
Township Supervisor
Ann Arbor Charter Township
3792 Pontiac Trail
Ann Arbor, MI 48105

Sent via electronic mail

RE: Massey Lake Wetland Evaluation
Ann Arbor Charter Township, Michigan

Dear Ms. O'Connell,

Tetra Tech was contracted in December 2023, to evaluate the wetlands surrounding Massey Lake following a breach in the soil erosion and sedimentation control (SESC) measures that were in place at the Mid Michigan Materials Vella Pit facility. A sediment breach along the northern berm was released into wetlands to the north. Tetra Tech was asked to assess options for remediating Massey Lake and the wetlands that had been impacted, discuss the history and actions requested by Michigan Department of Environment, Great Lakes, and Energy (EGLE) and review site inspection information from Stantec on behalf of Ann Arbor Charter Township (AACT). After Tetra Tech provided some initial feedback to the AACT Trustees, AACT requested that Tetra Tech conduct a more formal review and report. The following summarizes Tetra Tech's review of the information and recommendations.

SITE VISIT AND REVIEW OF DOCUMENTS

Tetra Tech reviewed aerial imagery and identified a sediment flow into the tributary to Massey Lake from the Vella Pit. On January 12, 2024, Tetra Tech personnel made a site visit to review impacts to Massey Lake, the tributary to Massey Lake and the surrounding wetlands that were accessible. Access was made through the home at 4715 Ridge Creek Lane. Prior to and after the site visit, Tetra Tech had a conversation with personnel at EGLE.

According to discussions with EGLE and Stantec personnel, a berm located on the north side of Vella Pit appears to have destabilized and moved, causing significant outwash into the adjacent wetland to the north. The tributary to Massey Lake does appear to have sediment buildup. Additionally, the discoloration of water in the tributary and portions of Massey Lake are visible in aerial imagery and are assumed to be a result of the outwash from the berm.

In a conversation with EGLE personnel on March 18, 2024, they indicated that stabilization of the berm was requested of the mining company by seeding and reinstalling silt fence. While the silt fence was in place, according to EGLE, at that time the seeding had not taken place and the berm was not stabilized.

Subsequently, a meeting was held to discuss stabilization and site conditions on March 27, 2024. According to Ann Arbor Charter Township Representative Rick Judkins and Stantec Representative Eric Humesky, the fence between the berm and the wetland had been reinstalled, the silt fence was in place, and seed stabilization on the berm was planned for the upcoming growing season. Based on the

site conditions, it would be difficult to remove the sediment outwash from the wetland for the following reasons¹:

- Access to the sediment-filled portion of the regulated wetland is difficult without creating additional impacts. The northern slope is steep and the ability to place equipment along it to remove sediment across the fence is challenging to do safely. If it were possible to get the equipment on the slope, it is likely to damage the slope requiring restoration and vegetation stabilization. While awaiting stabilization, the potential for additional sediment releases would increase.
- Access across the wetland from the north to the south outside of the Vella Pit property, is equally challenging. The wetland is comprised of both emergent (largely herbaceous plants) and scrub shrub wetlands (woody plants generally less than 20-feet tall). Much of the current impact appears to be in an emergent wetland with scrub shrub on both sides. Bringing equipment into the emergent wetland area would require bog mats, timber mats or rail ties; and balloon tire equipment to reduce compaction on the soil. If attempted, restoration of the emergent wetland along the access pathway may require seeding and additional corrective action to ensure its success after equipment is removed. This is expected to be a larger area than the initially impacted outwash area.
- Access through the scrub shrub wetland would require cutting trees, altering the wetland type from a more desirable wetland to an emergent wetland. The tree stumps would have to remain because stump removal is a permitted activity through the State of Michigan. It is also unlikely that a permit would be approved because stump removal creates a large disturbance in the surrounding soil and removes hydric soil from the wetland system. Bog mats, timber mats or rail ties; and balloon tire equipment would again be required to reduce the impact but there would be stumps to navigate the pathway as well. Restoration and potentially corrective action would likely be required. This is also expected to be a larger area than the initially impacted outwash area.
- Excavation of the sediment that filled the wetland would have to be placed in an upland area upon removal. Because wetland is located west, east and north, the only location for the sediment placement is on the Vella Pit property across the fence, in the area from which the sediment originally came. The likelihood of the sediment returning to the wetland is high given the site conditions and history. The sediment could also be placed elsewhere on the mining site; however, access to the steep northern slope remains an issue. Driving equipment to the northern slope, excavating and driving to another area to place the sediment will continue to destabilize the vegetation and slope, potentially causing additional sediment to be released.

The most recent Stantec SESC inspection reports were reviewed by Tetra Tech. The report and the photos contained within, which document site conditions from spring through mid-June 2024, demonstrate adherence to the requirements for SESC measures, maintenance and stabilization of the northern slope with increased vegetative growth. The July 12, 2024 report, however, documents a breach in the second row of silt, due to heavy rains and additional sediment flow to the wetland. The

¹ Massey Lake sediment removal would have similar issues for access and impact to the habitat and water resources that are identified for the sediment removal in the regulated wetland. Principally, these relate to crossing regulated wetland and removing trees to access the area.

report also indicated that one of the corrective actions required is that the drainage ditch will continue to be excavated where required for water flow.

SUMMARY AND RECOMMENDATIONS

Based on review of the information provided, removal of the outwash within the adjacent regulated wetland is problematic, and any removal action is likely to have a further adverse impact on the wetland. First, access is limited by the size and extent of the wetland. Methods could be used to distribute pressure of equipment entering the wetland area to reduce compaction; however, a much larger area would have to be restored to reach this portion of the wetland. As described above, access to the wetland is limited from the north because of the extensive wetland system and from the south because of the steep northern slope. In addition, removal action is also problematic because the ability to place the excavated sediment somewhere other than in wetland is unlikely. The outwash area is surrounded by wetland on all sides except to the south where access would have to be from the Vella Pit property. Given the steep slope and history of failures, placing sediment on the northern slope is not recommended. Finally, the biota in the area may adapt to this increase in sediment. It is possible that the area will continue to be a wetland but that the vegetation may change over time from plants that previously required standing water to those that will prosper if they can access saturated soil in the upper 16 inches of the ground surface. However, continued monitoring would be required, and Vella Pit will need to ensure that no additional sediment is released. Tetra Tech recommends the following:

1. Under the Ann Arbor Charter Township Code of Ordinances, *Chapter 26 – Environment, Article VII Soil Erosion and Sedimentation Control*, the SESC measures should continue to be evaluated to ensure the effectiveness of the measures monthly and after significant rainstorm events; and complete corrective action when necessary.
2. The corrective stabilization of the berm on the northern slope was completed, including grading and vegetative growth to stabilize the slope from further sediment release. Continued inspections are necessary to ensure compliance with the permit issued.
3. The drainage ditch excavation to control water flow should also be evaluated in the inspections to ensure sediment laden water is not entering the wetlands for continued impact.
4. Additional SESC measures may be needed in areas where breaches are most common along the northern fence. This may include the addition of straw bales or wattles.
5. Broadcast seeding of native wetland species in the outwash area may help restore the wetland. Planting of wetland shrubs or whips in the wetland may also assist with stabilization of the soil and allow the wetland to prosper.

Sincerely,



Patti McCall, CPG, PWS
Principal Hydrogeologist



Carlisle | Wortman
ASSOCIATES, INC.

117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date: July 17, 2024

**Request for Variance to Township Board
For
Ann Arbor Township, Michigan**

Applicant:	Gary Kade, representing Green Communities, LLC 121 N. Dixboro Rd. Ann Arbor, MI 48105
Property Address:	3800 Warren Rd., Ann Arbor, Michigan 48104, and two abutting parcels (Parcels 09-09-100-012, 09-09-100-032, and I-09-09-100-021)
Zoning:	R-2, Single-Family Suburban Residential
Action Requested:	Variance for Shared Driveways on Parcels that Abut a Public Road

PROJECT DESCRIPTION

The property owner currently owns three parcels of land (Parcels A, B, and D), including 3800 Warren Rd. and two other abutting properties. The Township received a request for a land division involving these properties, as illustrated on the next page.

Figure 1. Aerial Photo of Subject Sites



Source: MapWashtenaw (Image Capture 2020)

The applicant would like to split off the rear of Parcels A and B, and create a new Parcel C. The applicant is proposing to access the two rear parcels (Parcel B and Parcel C) using shared driveways. Chapter 50, Article II, *Private Roads*, Sec. 50.28 states that shared driveways are allowed to access parcels that *do not abut a public road*. The proposal includes a shared driveway between Parcel A (which abuts a public road), and Parcel B. Similarly, a second driveway is shared between Parcel D (which abuts a public road) and

Parcel C. Because the proposal shares driveways with parcels that abut a public road, the Township Board will need to consider a variance for this request.

Note that the land division proposal also requires a variance from the Zoning Board of Appeals (ZBA). New parcels B and C don't have road frontage (which is a requirement of the Zoning Ordinance Sec. 74-2, *Definitions "lot"*). The ZBA will be considering this variance at their August 20, 2024 meeting.

Also, the Township Board will consider an appeal to the depth-to-width ratio requirement in Chapter 58, *Subdivision and other Divisions of Land, Sec. 58-281, Standards for approval of land division*. We have provided an analysis of this question under separate cover.

This review only considers the requested variance for a shared driveway with parcels that abut a public road.

SHARED DRIVEWAY PROCEDURES

Section 50-28, *Parcels of land exempted from this article* [Private Roads]; *permit requirements*, exempts certain situations from the Private Road requirements, "...where only one or two lots are used, or intended to be used, for no more than two single-family dwelling units and do not adjoin a public road..." As shown on the aerial photograph (Page 2 of this review), Parcel A abuts Warren Rd., and Parcel D abuts Pontiac Trail. Both of these parcels will share the driveway with the two interior properties (Parcel B and C), which isn't permitted. We believe the intent of this provision is to prohibit "flag" lots, and avoid issues regarding poor maintenance and financing disputes between adjoining property owners.

However, Sec. 50-38, *Variances*, gives the Township Board the power to vary or modify the application of the provisions of this article (Private Roads) so that the intent and purpose of this article shall be observed, public safety secured, and substantial justice done. The Board is required to hold a Public Hearing before deciding the question. The Township Supervisor has scheduled a Public Hearing for the August 19, 2024 Township Board meeting.

VARIANCE CONSIDERATIONS

Sec. 58-38, *variances*, in the Public Road Chapter allows the Township Board to approve a variance to the provisions where there are practical difficulties or unnecessary hardships in the way of carrying out the strict letter of this article, such as topographical and other physical characteristics of the lot.

To assist the Board in its deliberations, we have provided an analysis of the known physical characteristics of the properties in question.

1. **Stream/Wetlands on Site:** A stream traverses Parcels A, B and D. This stream also has associated wetlands, as shown by the blue hatch pattern on the aerial photo on the next page:

Figure 2. Existing Wetlands on Subject Sites



Source: MapWashtenaw

1. **Special Conditions.** The wetlands and stream on the subject site make accessing the rear parcels difficult. Even if Parcel C weren't created, accessing Parcel B would still require some type of stream crossing. Similarly, development of Parcel D would also still require some type of stream crossing to access the "upland" portion of that site. Installing a private road to access Parcels B and C would have a greater impact on the stream and wetlands, as the design and construction requirements are more expansive for a private road than a driveway. We consider these physical characteristics of the sites (and location of both shared driveways) to cause a practical difficulty for access to the land-locked parcels, and installing a shared driveway as proposed to be less impactful to the natural environment.
2. **Literal Interpretation Depriving Rights:** If all three existing properties owned by this owner were developed using the current zoning, the land could potentially realize 10-11, 1-acre home sites (with a private road). If the variance were granted under this proposal, the land would be divided into four parcels that are between 1.9 and 3.5-acres in size. Granting the variance would reduce the number of home sites, but this result is in line with the applicant's wishes.
3. **Conditions are not Self-Created:** The applicant did not create this parcel configuration, the fact that these properties are "land-locked" from public roads, or the challenges due to the existing stream and wetlands.
4. **Special Privileges:** Granting the appeal will reduce the number of home sites this land could realize if all three existing parcels were developed as one project. Granting the applicant's

July 17, 2024

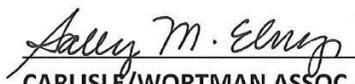
request to realize four (vs. 10-11) home sites does not grant any special privileges to the applicant, in our opinion.

5. **Minimum Necessary:** Allowing a shared driveway with a parcel that abuts a public road will substantially reduce the number of lots that could be accomplished under the current zoning designation. A shared driveway is also much less impactful to install than a private road.

6. **Proposal Meets Intent of Sec. 74-1.** The intent of this chapter (Sec. 74-1) is to: *“...ensure wise and economical use of land, preserve property values, conserve natural resources, limit overcrowding in the use of land, limit congestion of population and transportation systems, limit over-use of public facilities, provide reasonable restrictions and regulations for land uses to the end that this chapter will promote the health, safety and general welfare of the residents of the Township.”* As described above, the proposal will result in much less intense development behind the existing homes along Pontiac Trail and Warren Rd. This, in turn, would most likely benefit the neighborhood, and not injure it. Also, four home sites (vs. 10-11 with private road) will assist in protecting the existing wetlands and streams on the site.

RECOMMENDATIONS

In our opinion, the subject site contains conditions that create a practical difficulty in developing this land. The proposal is less intense than the current zoning district permits, and implementing this plan would better protect the existing stream and wetlands.



CARLISLE/WORTMAN ASSOC., INC.
Sally M. Elmiger, AICP, LEED AP
Principal

cc: Sarah Gabis, Township Attorney
Sinead Redmond, Township Attorney



Carlisle | Wortman
ASSOCIATES, INC.

117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date: July 17, 2024

**Request for Appeal to Township Board
For
Ann Arbor Township, Michigan**

Applicant: Gary Kade, representing Green Communities, LLC
121 N. Dixboro Rd.
Ann Arbor, MI 48105

Property Address: 3800 Warren Rd., Ann Arbor, Michigan 48104
(Parcels 09-09-100-012)

Zoning: R-2, Single-Family Suburban Residential

Action Requested: Appeal Depth-to-Width Ratio Requirement of the Land Division Standards

PROJECT DESCRIPTION

The property owner currently owns three parcels of land (Parcels A, B, and D), including 3800 Warren Rd. and two other abutting properties. The Township received a request for a land division involving these properties, as illustrated on the next page.

Benjamin R. Carlisle, *President* John L. Enos, *Vice President* Douglas J. Lewan, *Principal*
David Scurto, *Principal* Sally M. Elmiger, *Principal* R. Donald Wortman, *Principal* Craig Strong, *Principal*
Paul Montagno, *Principal* Megan Masson-Minock, *Principal* Laura Kreps, *Senior Associate*
Richard K. Carlisle, *Past President/Senior Principal*

Figure 1. Aerial Photo of Subject Sites



Source: MapWashtenaw (Image Capture 2020)

The applicant would like to split off the rear of Parcels A and B, and create a new Parcel C. Because of the shape of the existing Parcel A and the new Parcel A, the owner is appealing the depth-to-width ratio requirement in Chapter 58, *Subdivision and other Divisions of Land*, Sec. 58-281, *Standards for approval of land division*. This section requires that the ratio of depth-to-width of any parcel created by a division does not exceed a four-to-one ratio, exclusive of access roads, easements or nondevelopment sites. The

table below shows the ratios of the existing parcel, a compliant parcel (given the existing width), and the proposed parcel:

Table 1. Depth-to-Width Calculations for Parcel A

	Parcel Dimensions and Depth-to-Width Ratio
Existing parcel and dimensions	Depth: 1,342.70' Width: 91.55' Ratio: 14.67 to 1
Proposed parcel	Depth: 1,060.7' Width: 91.55' – 25' easement = 66.55' Ratio: 15.95 to 1
Compliant parcel example (given existing width at the front setback line)	Depth: 366.2' Width: 91.55' Ratio: 4 to 1

A compliant parcel could only have a depth of 366-feet, given the existing width of the parcel. If the shared driveway were considered in this calculation, the depth of Parcel A could only be 266-feet.

Note that the land division proposal also requires a variance from the Zoning Board of Appeals (ZBA). New parcels B and C don't have road frontage (which is a requirement of the Zoning Ordinance Sec. 74-2, *Definitions* "lot"). The ZBA will be considering this variance at their August 20, 2024 meeting.

In addition, the applicant is requesting a variance under Chapter 50, Article II, *Private Roads*, Sec. 50.28. This ordinance only allows shared driveways between parcels that *do not abut a public road*. The proposal includes a shared driveway between Parcel A (which abuts a public road), and Parcel B. Similarly, a second driveway is shared between Parcel D (which abuts a public road) and Parcel C. Because the proposal shares driveways with parcels that abut a public road, the Township Board will need to consider a variance for this request. This variance is discussed under separate cover.

This review only considers the requested appeal for the proposed depth-to-width ratio for Parcel A.

APPEAL CONSIDERATIONS

Sec. 58-280, *Procedure for review of applications for land division approval*, allows an applicant whose land division request has been denied by the Zoning Officer (in this case the Building Official), or his designee to appeal to the Township Board, or other body designated by the Township Board, to resolve such an appeal. The ordinance doesn't include any criteria to use in considering an appeal.

To assist the Board in its deliberations, we have provided our ZBA analysis below, and have applied it to the depth-to-width question for Parcel A.

1. **Special Conditions:** The existing Parcel A was created in the past, and is currently non-conforming in its depth-to-width ratio. This parcel is currently 4.64-acres in size. The new, shortened Parcel A will be 3.227-acres in size. The property is currently zoned R-2, Single-Family Suburban Residential, which

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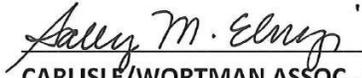
requires a minimum lot size of 1-acre. The properties surrounding the subject site range in size from 1-acre to 5-acres, with the majority of lots being in the 1 to 2.5-acre range, and front Pontiac Trail and Warren Road. Lastly, a stream traverses the middle of the property, reducing the developable area of the parcel.

While the proposal actually increases the non-conforming depth-to-width ratio, this is because a shared driveway easement is being added to the site, making the “width” narrower in the calculation. The actual property lines of the new parcel create a shape that is less long/narrow than the existing parcel. Also, a stream and wetlands divide the existing Parcel A in two, making access to the upland in the rear portion difficult. We consider these conditions to be special circumstances peculiar to this Parcel.

2. **Literal Interpretation Depriving Rights:** If all three existing properties owned by this owner were developed using the current zoning, the land could potentially realize 10-11, 1-acre home sites (with a private road). If the appeal were granted under this proposal, the land would be divided into four parcels that are between 1.9 and 3.5-acres in size. Granting the variance would reduce the number of home sites, but this result is in line with the applicant’s wishes.
3. **Conditions are not Self-Created:** As mentioned above, Parcel A was created in the past with a non-compliant depth-to-width ratio. This condition is not self-created by the applicant.
4. **Special Privileges:** Granting the appeal will reduce the number of home sites this land could realize if all three existing parcels were developed as one project. Granting the applicant’s request to realize four (vs. 10-11) home sites does not grant any special privileges to the applicant, in our opinion.
5. **Minimum Necessary:** Allowing the shortening of Parcel A (and therefore the land division) will substantially reduce the number of lots that could be accomplished under the current zoning designation.
6. **Proposal Meets Intent of Sec. 74-1.** The intent of this chapter (Sec. 74-1) is to: *“...ensure wise and economical use of land, preserve property values, conserve natural resources, limit overcrowding in the use of land, limit congestion of population and transportation systems, limit over-use of public facilities, provide reasonable restrictions and regulations for land uses to the end that this chapter will promote the health, safety and general welfare of the residents of the Township.”* We don’t consider the requested appeal which will allow the proposed land division to be injurious to the neighborhood, or otherwise detrimental to the public interest. This proposal will develop the land less intensively than if the current zoning were maximized, which will help to limit congestion of population and transportation systems. Also, four home sites (vs. 10-11 with private road) will assist in protecting the existing wetlands and streams on the site.

RECOMMENDATIONS

In our opinion, the appeal to modify the depth-to-width ratio for Parcel A creates a more desirable layout and intensity of development for this particular site, and part of the township.



CARLISLE/WORTMAN ASSOC., INC.

Sally M. Elmiger, AICP, LEED AP

Principal

cc: Sarah Gabis, Township Attorney
Sinead Redmond, Township Attorney

**ANN ARBOR CHARTER TOWNSHIP
BOARD OF TRUSTEES
AMENDMENT OF CHAPTER 74, ZONING, ARTICLE V SUPPLEMENTARY
DISTRICT REGULATIONS TO ADOPT MINERAL MINING CODE SECTION 74-592a
and REPEAL SECTION 74-592.**

_____, 2024

The Ann Arbor Charter Township Board of Trustees ordains and adopts the following amendments to Chapter 74, Zoning, Article V Supplementary District Regulations. It is hereby ordained as follows:

SECTION 1. Repeal of Code Section 74-592. Section 74-592 of the Ann Arbor Charter Township Code is repealed upon the effective date of this Ordinance.

SECTION 2. Adoption of New Code Section 74.592a. A new section 74-592a to the Ann Arbor Charter Township Code is hereby created to read in its entirety as follows:

(a) PURPOSE AND AUTHORITY

- (1) **Exportation of Non-Metallic Minerals and Importation of Fill Materials.** The Township recognizes that sand, gravel and other non-metallic minerals within the Township’s boundaries are nonrenewable natural resources necessary and beneficial to the welfare of its inhabitants and the surrounding region. To provide for utilization of these resources in a manner compatible with nearby residential uses, to protect human health and the environment, and to ensure complete reclamation for another land use at the conclusion of the extraction operation, it is necessary to regulate and provide procedures and standards for extraction of non-metallic minerals and for the reclamation of the land at the conclusion of the operation. These regulations are required because extraction operations and related activities, such as the importation of fill material, can cause unique and substantial impacts upon the environment and the welfare of adjacent properties and the community as a whole. They can disrupt the environment, impair water quality and quantity, cause noise and dust nuisances, damage roads and create conditions dangerous to Township residents.
- (2) **Preservation of Wetlands, Water Bodies and Groundwater.** Wetlands are indispensable and fragile natural resources that provide many public benefits, including maintenance of water quality through nutrient cycling and sediment trapping, and by serving as biological and chemical oxidation basins; flood and storm water runoff control through temporary water storage; groundwater recharge; and by providing open space, passive outdoor recreation opportunities, and fish and wildlife habitat. Preservation of Township wetlands, water bodies, aquifers and ground water in a natural condition is necessary to maintain hydrological, economic, recreational, and aesthetic natural resource values for existing and future Township residents.
- (3) **Applicability.** Subject to compliance with all other applicable statutes, ordinances, rules and regulations, this Ordinance does not apply to the following activities:

- a. Ordinary and necessary grading of land for the tilling and cultivation of soils for the growing of crops and trees.
- b. Ordinary and necessary grading or excavation for construction of buildings, structures or related septic systems pursuant to all required permits from the Township and any other governmental authority having jurisdiction over such activities.
- c. Ordinary and necessary grading, excavation, or maintenance within a public right-of-way by any governmental authority having jurisdiction over that public right-of-way road or drainage easement.
- d. Remediation of environmental contamination.
- e. Construction of solid waste disposal facilities in accordance with Michigan Department of Environmental Quality permits.

(b) DEFINITIONS

- (1) **Applicant/Owner/Operator.** The terms “applicant”, “owner”, and “operator” shall include the tenants, lessees, agents, servants or assigns thereof.
- (2) **Application.** Means an application for a conditional use permit pursuant to the Ann Arbor Charter Township Mineral Mining Ordinance.
- (3) **Application Fee.** Means a sum to be paid by the applicant to the Township which is fixed by resolution of the Township Board of Trustees.
- (4) **Aquifer.** Means a saturated permeable geologic unit capable of yielding a significant amount of groundwater to a well or spring.
- (5) **Base Document(s).** Means a document required to be submitted under the Ann Arbor Charter Township Mineral Mining Ordinance.
- (6) **Beneficiation.** Means to process the extracted materials for any of the following purposes: (i) Regulating the grain size of the desired product; (ii) Removing unwanted constituents; and (iii) Improving the quality and purity of the desired product.
- (7) **Commencement Date.** Means the date a permit is signed by the Township Supervisor and Chairperson of the Planning Commission.
- (8) **De-watering.** Means the use of a well, pump or other mechanism to remove water from a surface or subsurface area as part of a mineral mining operation to lower the groundwater or surface water elevation.

- (9) **Discharge.** Means the discharge of process water out of the extraction area either onsite or off site.
- (10) **Dredging.** Means the excavation of minerals carried out underwater or partially underwater and in which the water remains in place and minerals are removed via a scoop or bucket.
- (11) **Escrow fee.** Means a sum paid to the Township to defray reasonable actual costs and expenses incurred by the Township to review an application and/or administer a permit and includes (but not limited to) costs for engineering, geologic, hydrologic, land use planning, legal, and other expert assistance and analysis; testing; inspections; publications, mailings; recording fees; and special meetings.
- (12) **Extraction.** Means the digging, dredging, quarrying, excavation, or other removal of sand, gravel, soil, or other non-metallic minerals from a site.
- (13) **Extraction Area.** Means the area, as depicted on a topographical map, from which earth materials are removed or are intended to be removed.
- (14) **Mineral Mining Operation.** Means extraction from the earth of mineral aggregates or non-metallic minerals for sale or use by the operator and includes the use of mining equipment or techniques to remove materials from the in-place non-metallic mineral deposit, as well as associated activities such as excavation, grading and dredging. Also, it includes processes carried out at a non-metallic mining site that are related to the preparation or processing of the mineral aggregates or non-metallic minerals obtained from the nonmetallic mining site, such as, but not limited to, stockpiling of materials, blending mineral aggregates or non-metallic minerals with other mineral aggregates or non-metallic minerals, grading, crushing, screening, and scalping.
- (15) **Fill.** Means soil, rocks, sand, clay, that displaces soil or water or reduces water retention potential.
- (16) **Fines.** Means materials mined from the site passing 200 mesh sieve opening as defined by the National Standard Sieve Size (ASTM-E11) that are a by-product of any extraction operations at the site.
- (17) **Fixed Costs.** Means costs incurred by the Township generally shared by all applications as determined time to time by the Board of Trustees.
- (18) **Groundwater.** Means water below the land surface in a zone of saturation.
- (19) **Groundwater Elevation.** Means the level to which groundwater will rise naturally in a well and measured in relation to sea level.

- (20) **Groundwater Recharge.** Means the process involved in the addition of water to the zone of saturation or the amount of water added.
- (21) **Groundwater Recharge Area.** Means any area on the ground that facilitates the addition of water to the zone of saturation; generally, it is that portion of the drainage basin where the direction of groundwater flow near the surface is downward (e.g., away from the water table).
- (22) **Inert Materials.** Means a substance that will not decompose, dissolve, or in any other way form a contaminated leachate upon contact with water or other liquids, determined by the Township or the Michigan Department of Environment, Great Lakes and Energy (“EGLE”) as likely to be found at the fill area, percolating through the substance.
- (23) **Monitoring well. Also, “test” or “observation” well.** Means a well constructed with the purpose of obtaining information about groundwater. This includes water levels and sample collection for chemical analysis. Other uses, such as observation wells for pumping tests, may also apply.
- (24) **Non-Metallic Minerals.** Means a product, commodity or material consisting principally of naturally occurring, organic or inorganic, non-metallic, non-renewable material. Non-metallic minerals include, but are not limited to, stone, sand, gravel, clay, peat, and topsoil.
- (25) **Normal Routes.** Gravel roads and those paved roads that are subject to normal load and dimension maximums as defined by statute.
- (26) **Notice of Reclamation.** Means a document recorded with the Washtenaw County Register of Deeds, signed by the titleholder(s), which provides notice that a site is subject to a reclamation plan.
- (27) **Operator.** Means an owner and/or lessee of mineral rights or any other person engaged in or preparing to engage in extraction activities with respect to mineral rights within an existing or proposed extraction area.
- (28) **Ordinance.** Means the Ann Arbor Charter Township Mineral Mining Ordinance, as amended.
- (29) **Overburden.** Means earth materials situated below the layer of topsoil and above the mineral deposit to be extracted from the site which must be removed prior to mining.
- (30) **Permit.** Means a document issued pursuant to the Ann Arbor Charter Township Mineral Mining Ordinance which authorizes the extraction of natural resources.

- (31) **Person.** Means any individual or combination of individuals, corporations, limited liability companies, partnerships, or other legally recognized entity.
- (32) **Process Water.** Means any water used in processing of extracted materials from the Extraction area, or water from dewatering operations.
- (33) **Processing.** Means the washing, sorting, crushing, aggregating, grinding, blending, mixing, or cutting of extracted material from the extraction site.
- (34) **Reclamation.** Means to recondition, rehabilitate or restore the extraction area and associated property, or portions thereof, to a self-sustaining, long term useful purpose which is compatible with contiguous land uses, which protects the natural resources, including the control of erosion and the prevention of land or rock slides and air and water pollution, and which process shall include the re-establishment of vegetation, soil stability and establishment of safe conditions appropriate to the intended use of the land in accordance with the Township's Master Plan and the permit conditions allowing for excavation and/or processing on the site.
- (35) **Runoff.** Means water from rain, snowmelt, irrigation, or other source that flows over the land surface.
- (36) **Sediment (or Settling) Ponds.** Means a series of ponds that are designed to remove fine particles from water used for processing materials extracted from the site.
- (37) **Site.** Means a parcel of land in the Township upon which activities are conducted subject to the Ordinance.
- (38) **Surface Water.** Means water that is on the earth's surface, such as in a stream, river, lake or reservoir.
- (39) **Topsoil.** Means the fertile, dark-colored surface soil; the upper layer of soil, usually richer than the subsoil; generally, the "A" horizon.
- (40) **Water Table.** Means the surface of unconfined groundwater at which the pressure is atmospheric. The water table is found at the level at which water stands in wells that penetrate the unconfined groundwater zone.
- (41) **Wetland.** Means land characterized by the presence of water at a frequency and duration sufficient to support, and that under normal circumstances does support, wetland vegetation or aquatic life, and is commonly referred to as a bog, swamp, or marsh.

(c) **CONDITIONAL USE PERMIT REQUIRED.**

Mineral mining shall require a conditional use permit, as described in Chapter 74, Article II, Division 3, as amended.

(d) **REQUIRED INFORMATION.**

(1) **Comprehensive Plan.** The applicant shall submit a comprehensive plan that provides the following information:

a. All information required under Chapter 74, Article II, Division 3, Conditional Use Permits, and Chapter 74, Article II, Division 4, Site Plan Review.

b. **Property Use Plan.** The Applicant shall provide a plan for the use of the property during mining operations at the time of application for the permit. The property use plan shall provide the following information:

1. Boundary lines of the property; dimensions and bearings of the property lines, correlated with the legal description;
2. Aerial photo, showing property and adjacent areas, location and outline of wooded areas, streams, marshes, and other natural features;
3. Existing site improvements such as buildings, drives, wells, and drain fields;
4. Existing topography at contour intervals of two feet;
5. Extent of future mining areas and depth thereof;
6. Location and nature of structures, including pipes for water movement, and stationary equipment to be located on the site during mining operations; these structures shall also be shown on preliminary and final site plans.
7. Location and description of soil types;
8. An estimate of the kind and amount of material to be withdrawn from the site and the expected termination date of mining operations;
9. Description of all operations to be conducted on the premises, such as, but not limited to, digging, sorting, and washing operations, and the type, size, and nature of equipment to be used with each operation;

10. Location and width of drives, sight distances; on public roads at intersections of same with drives;
 11. Tree areas and other natural features to be retained;
 12. Description of pollution and erosion control measures;
 13. Certified statement by a qualified engineer, with supporting data and analyses, concerning expected impact on the water table and water supply wells in the vicinity of the site; and
 14. Map showing truck transportation routes to and from the site.
- c. **Market analysis.** The applicant shall submit a report prepared by a geologist or other experts with credentials satisfactory to the Township Board to demonstrate that the natural resources to be extracted are valuable, and the applicant can receive revenue and reasonably expect to profit from the proposed mineral mining operation. The applicant shall also provide documentation to demonstrate that there is a need for the natural resources to be mined by either the applicant or in the market served by the applicant.
- d. **Reserve/exploration map.** A Reserve/Exploration map and cross sections shall be prepared by an engineer or geologist and certified to the Township as true and accurate showing the extent, location and nature of all subsurface materials on the proposed extraction site on a topographic map including:
1. Estimated areal extent of deposit limits of materials to be mined;
 2. Depth and lowest elevations of exploration (e.g., drill holes) and the claimed deposit of materials to be extracted from the site;
 3. Groundwater elevations;
 4. Estimated quantity of reserves;
 5. Depth and estimated quantity of topsoil to be stripped;
 6. Depth, lower elevations and estimated quantity of overburden to be stripped; and
 7. Ten (10) foot contour intervals indicating the anticipated vertical and horizontal extent of excavation below the existing surface elevations.

- e. **Site Natural Features Inventory Map.** The Applicant shall provide a map and associated narrative describing the location and type of natural features on or adjacent to the site, including wetlands, watercourses, 100-year floodplains, woodlands, landmark trees, steep slopes, endangered species habitat as identified by the Michigan Department of Natural Resources, and groundwater recharge areas. This map shall be consistent with that required for the preliminary site plan pursuant to Section 74-175.
- f. **Hydrogeological Work Plan.** Prior to commencement of the hydrogeological study required in subsection g. below, a hydrogeological work plan shall be prepared and submitted to the Township to communicate aspects of the hydrogeological study. A pre-study conference shall be held with the Applicant and the Township and relevant consultants to discuss the work plan and the parameters of the proposed hydrogeological study. The hydrogeological work plan should contain:
1. A brief introduction;
 2. A brief assessment of geology and existing hydrogeological data in the vicinity (i.e., ¼ mile) of the proposed mining site. This should be based upon readily available literature and online references;
 3. Identify applicable guidance documents, conversations, or permit conditions;
 4. A description of the proposed drilling methodology and monitoring well installation methods to evaluate groundwater presence and flow direction;
 5. A table summarizing the number of proposed soil borings and monitoring wells, the likely depth of drilling, along with corresponding rationale;
 6. A table summarizing the number of surface water gauging locations;
 7. A site figure showing the proposed surface water gauging, soil boring, and monitoring well locations;
 8. A site figure showing the property boundary and the conceptual or anticipated direction of groundwater flow;
 9. A table summarizing the frequency to collect water level measurements;
 10. A description of proposed monitoring well construction; and
 11. A description of the survey methodology for determining groundwater and surface water elevations.

g. **Hydrogeological Study.** A hydrogeological study shall be prepared by a certified professional geologist or professional engineer who specializes in hydrogeology and who certifies the accuracy of the contents and findings of the study. The Planning Commission may have the study reviewed by the Township’s consultant at the Applicant’s expense. The hydrogeologic study is intended to document the hydrogeological conditions on site and within the influence of the site and assess any impact the proposed mining operation may have on the water resources of the Township (both on and off-site). The applicant’s consultant should provide a report addressing the following minimum hydrogeological data and evaluation requirements (the hydrogeological report shall be a “stand alone” document):

1. **Site and Mineral Mining Operation Description.**

i. Site location map(s) showing the regional setting. At a minimum, the map should cover an area with a two-mile radius measured in all directions from the center of the property. Depending on specific conditions for a particular site the township may require an increase in the geographic area covered by this map. The site location map must show the following features:

- (1) Township name;
- (2) Township and range numbers;
- (3) Scale and north arrow;
- (4) Section lines and numbers;
- (5) Highways and roads;
- (6) Location of existing lakes, streams, drainage ditches, surface impoundments and apparent wetlands within the geographic area covered by this map;
- (7) Boundaries for the property where the proposed mineral mining operation will occur;
- (8) Proposed limits of excavation;
- (9) Location and identification of any previous soil borings and wells, including abandoned and destroyed wells, and surface water monitoring points.

- ii. A detailed site map that covers an area that extends at least two thousand (2,000) feet beyond the property boundaries of the permit applicant. This map must depict:
 - (1) Scale and north arrow;
 - (2) Applicant's property boundaries;
 - (3) Boundaries and owner names for all adjoining land parcels;
 - (4) Based on available public information, provide the location of all existing lakes, streams, drainage ditches, and apparent wetlands on-site and within two thousand (2,000') feet of the property boundaries;
 - (5) Based on available public information, provide water surface elevation for all existing lakes, streams, drainage ditches, and wetlands located on-site and within two thousand (2,000') feet of the property boundaries.
 - (6) Wetlands expected to be impacted by the extraction operation;
 - (7) Boundaries of proposed extraction area; and
 - (8) Land surface elevations for the property shown by appropriately selected contour intervals.
- iii. Describe the existing land use, site conditions and the basic scope of the operation.

2. **Field Investigations.**

- i. Test borings must be drilled to determine the subsurface geology. A minimum of four (4) test borings shall be located outside the perimeter of the proposed Mineral Mining Operation. At least one boring shall be near the center of the proposed Extraction Area. These borings must be drilled to a depth sufficient to ascertain the geology of the aquifer systems that could be impacted by the Mineral Mining Operation. The locations of these borings must be clearly shown and labeled on the detailed site map. Descriptive logs for each boring should be prepared by a geologist using the Unified Soil Classification System ("USCS") to describe the different layers. Boring logs must contain the following minimum information:

- (1) Boring name;
- (2) Land surface elevation;
- (3) Depth of boring;
- (4) Description of different layers encountered to the bottom of the boring;
- (5) Construction details;
- (6) Depth to water.

- ii. Permanent monitor wells shall be installed on site near the perimeter of the site and outside of any proposed excavation or construction. If more than one aquifer is encountered in the test borings, separate monitor wells must be screened in each aquifer to determine the vertical head gradient between aquifers, groundwater flow direction, and water quality in each aquifer. Include monitor well construction logs in the report appendix. Monitor wells shall be constructed to requirements of the United States EPA, EGLE or Washtenaw County Environmental Health and retained for future monitoring. The groundwater monitoring system shall consist of a sufficient number of wells at appropriate locations and depths to collect groundwater samples that provide the required information. Such monitoring system shall accurately measure the quality of background groundwater that has not been affected by mining. Such monitoring system shall also accurately measure the quality of groundwater passing the downgradient boundary of the property which ensures detection of groundwater contamination or changes in water chemistry in the subject aquifer and other aquifers potentially affected by the extraction operation. In addition, the monitoring system must include a minimum of one upgradient and three downgradient monitoring wells; however, additional monitoring wells must be installed as necessary to accurately represent the quality of background groundwater and the quality of groundwater leaving the property boundary.
- iii. Water levels and water quality in the monitor wells and on-site wetlands, streams, and lakes shall be measured. All static water levels shall be related to a common USGS datum and elevations shown on a map and in a report table. Water quality parameters shall be collected in accordance with the process outlined in the baseline water quality section below.

3. **Baseline Water Quality.**

i. Groundwater Monitor Wells. All monitor wells shall be sampled and analyzed (in accordance with EGLE sampling and analysis protocols) prior to commencing extraction operations to establish background groundwater quality. A minimum of two (2) sampling events are required (four or more are preferred), one event during a high groundwater elevation and the other during a low groundwater elevation period. All laboratory testing shall be conducted in conformance with current applicable U.S. Environmental Protection Agency Test Methods, and data shall be compared to EGLE Generic Residential Cleanup and Screening Levels and Clean up Criteria identified in Part 201 of 1994 PA 451, as amended. Testing shall include the following indicator parameters:

- (1) static water level elevation;
- (2) groundwater temperature;
- (3) specific conductance;
- (4) pH;
- (5) dissolved oxygen;
- (6) redox potential;
- (7) total dissolved solids (TDS);
- (8) The concentrations of each the following: chloride, sodium, calcium, sulfate, bicarbonate, magnesium, manganese, iron, potassium, phosphorus, and nitrate nitrogen; and
- (9) total petroleum hydrocarbons (TPH);
- (10) If TPH is detected, then the following testing is also required:
 - (a) Polycyclic aromatic hydrocarbons (PAH)
 - (b) Resource Conservation and Recovery Act (RCRA) metals,
 - (c) Volatile organic compounds (VOCs) and Semi-volatile organic compounds (SVOCs)

(d) Methyl tert-butyl ether (MTBE)

iv. Surface Water. After conferring with the applicant's consultant, the Township's consultant shall determine, the number, type and location of surface water samples necessary to identify potential surface water impacts from extraction operations. Each river, stream and other readily flowing body of water shall be sampled in at locations to be determined in consultation with the Township's consultant for the following parameters:

(1) water elevation;

(2) base/bed elevation;

(3) pH;

(4) conductivity;

(5) total dissolved solids (TDS); and

(6) total suspended solids (TSS).

(7) total petroleum hydrocarbons (TPH);

(8) If TPH is detected, then the following testing is also required:

(a) PAHs;

(b) RCRA metals;

(c) VOCs and SVOCs

(d) MTBE.

4. **Site Characterization.**

i. Site conceptual model (written and illustrative) showing conceptual groundwater flow at the site shall be provided for each aquifer within the extraction zone or potentially affected by the extraction operation. The following site characterization data shall be provided:

(1) Description of Geologic Units. The composition, structure and distribution of each layer, and the range of variation in each including the soil or rock description and classification;

- (a) A map showing the location of geologic cross-sections;
 - (b) Multiple geologic cross-sections passing through the proposed Extraction Operation and all areas of concern (e.g., wetlands, streams, lakes, residential wells, etc.) to a distance of approximately two miles from the center of the site. On these cross-sections, show the following information:
 - (c) Vertical and horizontal scale;
 - (d) Existing land surface elevations;
 - (e) Boundaries and depth of any proposed excavation;
 - (f) Well locations and logs used to prepare the cross-sections;
 - (g) Thickness and extent of the subsurface geologic strata;
 - (h) Location and depth of all water supply wells, wetlands, streams, and lakes falling on and near the cross-section; and
 - (i) Static water level elevations.
- (2) Description of Hydrogeologic Units. Descriptions of the hydrogeologic units within the saturated zone including their thickness, hydraulic properties, such as transmissivity and storage coefficient or specific yield; descriptions of the role of each as confining beds, aquifers, or perched saturated zones; and their actual or potential use as water supply aquifers.
- (a) Brief discussion of the regional and local hydrogeology.
 - (b) A contour map of the water table elevations, including water-level elevation measurements from on-site wetlands, streams, and lakes and that depicts the site boundaries.

- (c) Description of the Flow System. Description of the groundwater flow system, illustrated with potentiometric contour lines and streamlines on appropriate plans, and specifically describing the following and discussing their significance with respect to groundwater
- (d) Direction and rates of groundwater movement within the identified hydrogeologic units, including the vertical components of flow. Seasonal or other temporal fluctuations in potentiometric head. The change in recharge rates that will occur due to the presence of the proposed mining operation, or for renewal plans the change in recharge rates that may have occurred
- (e) The role of confining beds with regard to limiting downward or upward movement of groundwater.
- (f) Tabulate and summarize water quality data with tools such as tables that highlight detection of organic compounds and graphics such as piper and stiff diagrams that highlight the distribution of cations and anions. Analytes shall be compared to water quality standards.
- (g) The applicant shall provide a numerical model of the area within a radius of two-miles from the site if deemed necessary by Township consultants based on the nature of proposed operations, the potential for contamination, or known or anticipated declines in water levels. The parameters of the numerical model shall be agreed to by the Township.

5. **Potential Environmental Impacts.** A narrative that documents existing site conditions and identifies potential short-term and long-term impacts on the Township water resources during and after the proposed Extraction Operations shall be provided. At a minimum, this section must contain the following elements:

- i. Description of present land use and the relationship of the site to surrounding properties. The site location map shall be used for this description.

- ii. Discussion of the proposed Extraction Operation and schedule, along with the intended future use of site. The topographic map showing proposed extent of the Extraction Operation and different phases, if applicable.
 - iii. Water quality impacts on existing surface water and groundwater quality.
 - iv. If applicable, prepare maps and cross-sections showing the nature and extent of the hydrogeologic impact(s), (e.g. water-level decline or increase).
 - v. Provide a conclusion discussing the expected impact to the water quality; and
 - vi. Elevations of groundwater (e.g. project water level decline/rise in each aquifer) and surface water bodies on and proximate to the site, considering both short-term and long-term potential impacts.
 - vii. If the Mineral Mining Operation creates or enlarges an excavated lake, potential impacts will be caused by increased evaporation from the new or increased lake surface and by the removal of aquifer material. The evaporation impact shall be analyzed through a water budget analysis using EGLE's applicable guidance for how to perform this analysis.
6. **Additional Hydrogeological Data.** The Planning Commission may require additional data related to the site, including, but not limited to, the following:
- i. If the applicant is applying to dewater, the applicant shall provide a numerical model of the area within a radius of two-miles from the site to determine water-level decline over the life of the mine at various distances from the center of the Mineral Mining Operation. The parameters of the numerical model shall be agreed to with the Township.
 - ii. Surface Water Diversions. Additional investigations may be needed to demonstrate that no diversion of surface water will impact existing surface water bodies or wetlands located on-site or very near the proposed Mineral Mining Operation. Site operation, stockpiling, and reclamation plans must be evaluated for the potential to divert water toward an excavation and away from an existing surface water body or wetland.

- iii. **Groundwater Diversions.** Where multiple aquifers are encountered by the test borings, monitor wells must be screened in each aquifer that is expected to be penetrated by an excavation. Measure hydraulic head (water level elevation) in each well to determine vertical differences in head between aquifers, the direction groundwater will move between aquifers, and to calculate the impacts from lowering the head in one aquifer and raising the head in the other aquifer.
- h. **Reclamation Lake Creation.** Where lakes are proposed as part of site reclamation a hydrogeological investigation, consistent with the standards of those required for EGLE Part 301, must be provided.
- i. **Transportation Routes.** The Township may, as a condition of the conditional use permit, designate which public roads within the Township that trucks or any other vehicle accessing the site may use. Any entrances and exits to and from the site shall be adjacent to all-season primary road, if possible. Transportation routes through the Township shall minimize truck traffic through residential areas. Trucks used to transfer the natural resources shall follow a route that poses the least interference with other traffic, minimizes traffic through residential areas, and uses public streets constructed for high volumes of heavy truck traffic. The applicant must submit a proposed transportation route plan including:
 - 1. The route to be used for the proposed operation, accompanied by a letter of preliminary comments from the road commission impacted by the transportation route.
 - 2. A description of all proposed transportation routes to be used to transport natural resources from the mining area to all freeways or state trunk line highways proposed to transport natural resources to destinations, other than for local deliveries.
 - 3. Estimated type, size and number of trucks leaving the site daily, during peak season and annually;
- j. **Mining Plan.** A mining plan shall be provided that contains the following:
 - 1. Topographical map;
 - 2. Nature of operation, including:
 - i. Methods of excavating, including excavation equipment;
 - ii. Methods of transporting material from mine site to processing plant, including earth handling equipment to be used on-site;

- iii. Types of processing activities, such as screening, washing, crushing, etc.;
 - iv. Estimated quantity, use and disposal of material fines;
 - v. Size of settling ponds;
 - vi. Estimated annual production in tons;
 - vii. A date for completing the mineral mining operation, such date to be based upon the estimated volume of material to be extracted and an average annual extraction rate; and
 - viii. If the proposed extraction activity includes beneficiation or treatment of the extracted material, the application documents shall include specific plans depicting the methods, techniques, and manufacturer's material safety data sheets on all chemicals, or other additives that are not natural to the site, that will be utilized in the process. The operator shall also obtain all applicable state and federal permits prior to beginning the beneficiation process.
- k. **Noise control plan.** A noise control plan prepared by a qualified professional estimating the noise levels at the property boundaries containing the extraction operation, at successive stages of the operation and along the transportation route shall be provided. See 74-592a(f)(15).
- l. **Erosion control plan.** An erosion control plan shall be provided which provides a complete description of all the soil erosion measures, including (but not limited to) all erosion strategies and control measures such as silt fences, vegetation screens, sediment basins, and settling ponds; location of control measures particularly on bare surfaces including steep slopes; time schedule and installation description for each control measure; all temporary and permanent measures and maintenance of each. The plan shall conform to any and all requirements of soil erosion and sedimentation requirements promulgated by Federal, State and County government as well as the Township soil erosion and sedimentation requirements pursuant to Section 58-119. The applicant shall submit this plan to the appropriate County agency for approval. The plan approved by the soil conservation department shall be incorporated into the extraction permit issued under this Ordinance.
- m. **Pollution prevention plan.** A pollution control plan containing a complete description of proposed pollution prevention methods based on National Fire Protection Association, State of Michigan or Washtenaw County pollution prevention laws shall be provided. The plan must address all sediment, storm water and settling basins, as well as any probable impacts from processor activities or on-site fuel or chemical storage;

- n. **Lighting plan.** A lighting plan showing the location of exterior lighting on the site including a photometric plan shall be provided. Exterior lighting shall conform to Section 74-606 of this ordinance.

- o. **Environmental impact analysis (EIA).** Applicant shall prepare an environmental impact analysis addressing the impact the operation will have on the site's natural features, flora, fauna as well as impacts on human and natural environments on adjacent lands and along the transportation route. Applicant shall identify any mitigation measures needed to eliminate or minimize these impacts.
 - 1. At a minimum the statement should address the following: noise; dust; mud; drainage; erosion; sedimentation; views of the mine site from adjacent roads and properties; wetlands; floodplains; special habitats; threatened or endangered species; areas and features of historic, archeological and natural significance; truck traffic and access to and from the site; traffic study; compatibility with adjacent land uses; impacts to residents adjacent to site and along transportation route; changes in social patterns and/or economic conditions of residents; and any additional items that the applicant, Planning Commission or Board of Trustees deems significant. This section is intended to provide an environmental impact analysis using the assembled data identified in the previous sections. The applicant should analyze how the various data interrelate and how the proposed operation will affect the human and natural environments. Environmental impacts identified in the hydrogeological study should be incorporated into the EIA and related to the discussions of other impacts; although the hydrogeological support data does not have to be re-stated, it should be referenced in the environmental impact analysis.

 - 2. In addition to the items in section (i), above, the EIA shall address the following issues:
 - i. An inventory of the physical environmental elements of the proposed site;

 - ii. A description of the environment as it exists prior to commencement of mining activity;

 - iii. A description of the environment as projected at the end of mining activity;

 - iv. Compatibility of the proposed extraction activity with adjacent existing land uses and future land use plans/Township Master Plan;

 - v. Impact of the proposed extraction activity on flora and wildlife habitats;

- vi. Economic impact of the proposed extraction activity on the surrounding area;
 - vii. Effects of the proposed extraction activity on groundwater supply, level, quality, and flow on site and within two miles of the proposed extraction activity;
 - viii. Effects of the proposed activity on adjacent surface water resources;
 - ix. Effect of the proposed activity on air quality within one thousand (1,000') feet of the proposed extraction;
 - x. Whether the proposed activity is located within one thousand (1,000) feet of a residence, two thousand (2,000) feet of a school, and/or 500 feet of a commercial development.
- p. **Property value impact analysis.** Applicant shall provide a report on the impact of the applicant's proposed mine use on property values in the vicinity of the mineral mining property and along the proposed transportation route serving the property..
- q. **Reclamation plan.** A reclamation plan showing that the entire property will be left in a form for development with uses that are permitted in the district, relating such reuse to existing uses or probable uses for surrounding properties, shall be provided and shall include the following elements:
1. All rehabilitation activity shall comply with soil erosion and sedimentation requirements of the Natural Resources and Environmental Protection Act, MCL 324.9101 et seq., Part 91 as amended.
 2. Proposed topography at contour intervals to provide adequate grading information, subject to the Township engineers recommendation, with two (2) feet being the minimum. Such grade and slope designations shall be included with respect to areas proposed to be beneath the surface of permanent water areas.
 3. Schedule of progressive rehabilitation: After mining is completed on one specified area, reclamation shall follow progressively in reasonable stages set forth in the plan before mining continues on other areas of the site.
 4. Proposed ground cover and other plantings to stabilize the soil surface and to beautify the restored area, as well as to protect from erosion and siltation.
 5. Concept plan(s) for the proposed end use of the site when restored including a plan for residential use, if proposed, drawn to scale, and prepared by a

professional engineer, or licensed landscape architect, registered in the State of Michigan. The concept plan shall include:

- i. The proposed circulation system, including the location of internal roads and connection to the external road network.
 - ii. Delineation of drainage patterns, identification of lakes, flood plains, wetlands, and conceptual layout of lots, if residential use is proposed.
 - iii. A description of the permits and other legal steps that would be required to implement the proposed end-use, and an estimate of the chance of successfully obtaining said permits and completing said steps.
 - iv. A landfill or other disposal or refuse site will not be considered a suitable or satisfactory use.
6. A description of the construction and rehabilitation techniques that will be used, including:
- i. A description of methods and materials to be used in restoring the site.
 - ii. The proposed date for completing all extraction operations and handling of all spoils and extraneous materials.
 - iii. The date for completing the final reclamation.
 - iv. A list of all seeding and planting materials, which must include native stock.

(e) CONDITIONAL USE PERMIT STANDARDS AND REVIEW CRITERIA

- (1) **Conditional use permit required.** Mineral mining shall require a conditional use permit, as described in Section 74-131. It shall be a violation of this Ordinance for any person or entity to engage in the extraction of natural resources without an approved conditional use permit approved by the Township, or to engage in mining activity that is not authorized in an approved conditional use permit.
- (2) **Conditional use permit standards.** If the Township finds any of the following: (i) that there are no valuable natural resources located on the property; (ii) that there is not a need for the natural resources by the applicant or in the market served by the applicant; or (iii) that a very serious consequence to the Township would occur from the proposed mining activity or (iv) if requirements of this ordinance have not been

met, the Township Board shall not grant a conditional use permit. The burden of demonstrating competent, material and substantial evidence meeting each standard is on the applicant. The applicant's failure to provide sufficient information, data or documentation necessary to meet a standard is a basis for denial of the application. In determining if "very serious consequences" would occur, the applicant and Township must consider the cumulative impacts of all adverse impacts. The following factors shall be considered in making that determination that a very serious consequence would occur:

- a. The relationship of extraction and associated activities with existing land uses.
- b. The impact on existing land uses in the vicinity of the property.
- c. The impact on property values in the vicinity of the property and along any proposed transportation route serving the property.
- d. The impact on pedestrian and traffic safety in the vicinity of the property and along any proposed transportation route serving the property, including:
 1. The average and maximum number of loaded trucks per day anticipated to leave the proposed operation during the operating season.
 2. The impact on motorized and non-motorized vehicular and pedestrian traffic, resulting from the number, size, weight, noise, and fumes of vehicles, vehicular control, braking, and vehicular movements in relation to routes of traffic flow, proximity and relationship to intersections, adequacy of sight distances, location and driveways and other means of access, off-street parking and provisions for pedestrian traffic.
 3. Overall, the impact of the proposed use, including transportation route(s), on children, older persons, and handicapped/disabled persons, with consideration to be given to the extent to which such persons shall be required to forego or alter their activities.
- e. The impact on other identifiable health, safety, and welfare interests in the township.
- f. The overall public interest in the extraction of the specific natural resources on the property.
- g. The impact on other important natural resources, such as wetlands, lakes, watercourses, aquifers, natural habitats and similar environmental resources, the preservation of which is necessary for the public health, safety and welfare of the Township.

- (3) In addition to the above standards, the proposed use must also meet the standards for all conditional use permits, Section 74-136 and 74-137, and for preliminary site plans, Section 74-175b and where applicable, final site plans, section 74-176c.
- (4) **Detailed mining requirements.**
- a. Side slopes around the active extraction-area perimeter shall have a grade not exceeding one (1) vertical foot per four (4) horizontal feet. The banks adjacent to any submerged areas shall have a grade not exceeding one (1) vertical foot per six (6) horizontal feet, out to a depth of six (6) feet.
 - b. Extraction areas which are inactive for over one year must be stabilized and slopes reduced to 1:4.
 - c. The post-reclamation use proposed in the concept plan must be acceptable based on a review of the zoning district, Township master plan, surrounding land uses, and site characteristics.
 - d. Upland Slope. All upland reclamation grades for extraction operations shall have a slope not steeper than one (1) foot vertical rise in a four (4) foot horizontal plane, except that the Planning Commission may approve plans that allow steeper reclaimed slopes in order to provide a smoother transition to undisturbed topographic features or the protection of existing environmental features.
 - e. Submerged slope. All submerged grades established by the excavation of material below the water table and the creation of a water body shall have underwater slopes as follows:
 - 1. For water bodies the submerged grades shall be one (1) foot vertical rise in a six (6) foot horizontal plane, or flatter, to a depth of six (6) feet, unless designated for future public access or the future use is not specified.
 - 2. For all water bodies where the future use is not specified or where progressive cell-unit extraction and/or reclamation plan designates a final use after mining as public access, the area designated for public access shall have submerged grades of one (1) foot vertical rise in a ten (10) foot horizontal plane, or flatter, to a depth of six (6) feet as measured from the low water elevation.
 - f. Wetlands. Mining in wetlands is generally not allowed. In instances where mining in a wetland is proposed, a township wetland use permit is required. If the wetland use permit has been approved by the Township, mitigation is required.

- g. Surface Water. Before disturbing the surface of the site and removing topsoil, all necessary measures for diversion and drainage of runoff from the site to prevent pollution of waters of the state shall be installed in accordance with approved site reclamation plans. Diverted or channeled runoff resulting from reclamation may not adversely affect neighboring properties. Site reclamation shall be conducted and completed in a manner that assures compliance with the EGLE water quality standards for surface waters.
- h. Groundwater. The site shall be reclaimed in a manner that does not cause a permanent lowering of the water table resulting in adverse effects on surface waters or a significant reduction in the quantity or quality of groundwater reasonably available for future users of groundwater. Site reclamation shall be conducted in a manner which does not degrade groundwater quality in the aquifers. Where on-site lakes or ponds are connected to the groundwater, to ensure that future on-site uses adjacent to these lakes and ponds do not lead to degradation of the quality of the groundwater, enforceable conditions that protect groundwater quality must be provided in a restrictive covenant or master deeds to run with the land.
- i. Endangered Species. If threatened or endangered species are identified within the extraction area boundaries, the extraction and reclamation plan shall indicate how the threatened or endangered species shall be protected.
- j. Setbacks. A two hundred (200') foot minimum setback distance from the property line to the reclamation area boundary line shall be provided on all reclamation plans. The Township may approve plans requiring more than the minimum setback to protect public health, safety, welfare, and the natural environment.
- k. Road track out control plan to alleviate mud, soils, dust and other materials from the under carriage, and wheels of trucks resulting from the mining operation, which may include sweeping; spraying the under carriage, wheels and wheel wells; or other best management practices. The plan shall include proposed management practices on both access roads and public roads, beyond normal maintenance of the road commission(s). This plan is to be reviewed annually by the Township Board;
- l. Dust control plan to alleviate dust resulting from mining operations, which may include sweeping, paving, spraying water, windbreaks, strategic placement of stockpiles, or other best management practices. The plan shall include proposed management practices on both access roads and public roads, beyond normal maintenance of the road commission(s). This plan is to be reviewed annually by the Township Board;

- m. Prior to coming on-site, all imported fill materials shall meet the following specifications: (i) Materials shall be inert materials; (ii) Materials shall be free of contaminants, (iii) meet the definition of fill provided in this ordinance. Ann Arbor Township may require imported materials be inspected and tested, at the applicant's expense, to determine that the materials are inert and free of contaminants. If the applicant, or persons associated with the applicant, seeks authorization from any federal, state or county governmental body or agency related to the importation of materials on a site, the applicant shall simultaneously file a copy of that application with the Township Clerk.

(f) SPECIFIC OPERATING CONDITIONS

- (1) **Dewatering.** Mineral Mining Operations shall not include dewatering operations for extraction or any other processing of natural resources. Exceptions may be considered by the Township if all of the following conditions are met to the satisfaction of the Township:
 - a. A comprehensive hydrogeological study demonstrates with a high degree of confidence and to the satisfaction of the Township that no adverse impacts will occur due to the proposed dewatering operations or related discharges on or offsite, including but not limited to, adverse impacts to domestic water supply wells or natural resources;
 - b. An aquifer monitoring plan, including monitoring wells installed and monitored at the operator's expense, is provided for Township review and, if satisfactory to the Township, approval; and
 - c. The Conditional Use Permit specifically states that if monitoring shows any indication of adverse impact to water resources, as determined by the Township, dewatering operations shall immediately cease and be reported to the Township Supervisor.
- (2) **Discharge.** Mineral Mining Operations shall not include discharge of process water out of the extraction area. Exceptions may be considered by the Township if the following conditions are met to the satisfaction of the Township:
 - a. A comprehensive hydrogeological study demonstrates with a high degree of confidence and to the satisfaction of the Township that any discharge out of the extraction area returns water directly and in a substantially undiminished volume to any aquifer affected by an approved dewatering operations and this discharge has no adverse impact to the quality and quantity of water feeding water supply wells that draw from the affected aquifer, wetlands, water bodies, or other natural features.

- b. The Conditional Use Permit specifically states that if monitoring shows any indication of adverse impact to water resources as determined by the Township, discharge operations shall immediately cease and be reported to the Township Supervisor.
- (3) **Access.** There shall be not more than one access point from a public road to such lot for each 660 feet of front lot line. Such entrance shall be located not less than 500 feet from an intersection of two or more public roads.
- (4) **Hours of Operation.** Mineral Mining Operations shall be permitted only between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, and between 8:00 a.m. and 12:00 noon on Saturday. Operations shall not be permitted on Sunday or legal holidays.
- (5) **Setbacks.**
 - a. A setback of the mining area from the nearest public road right-of-way or adjoining property line of not less than 100 feet, and not less than 500 feet from the nearest residential dwelling on adjacent property as of the date of submittal of the plan for extraction. Additional mitigation requirements for dust and noise may be required at the discretion of the Township.
 - b. The following minimum setbacks of fixed machinery, equipment and buildings, and equipment used for screening, crushing and washing:
 - 1. Not less than 300 feet from the nearest public road right of way.
 - 2. Not less than 300 feet from the nearest adjoining property line.
 - c. A setback of 150 feet from the perimeter of the site to internal roads, and 300 feet from the perimeter of the site to all stockpiles.
- (6) All roads, driveways, parking lots, and loading and unloading areas within 100 feet of any lot line shall be paved or treated in an environmentally sensitive manner so as to limit the impact of windborne dust on adjoining lots and public roads.
- (7) Each operator shall be held responsible for all public roads upon which trucks transport materials from the mineral mines to keep those roads in a drivable condition at least equal to that which existed prior to the beginning of mineral mining operations; and to keep the roads dust free and to clean any and all spillage of material and dirt, rock, mud, and any other debris carried onto the roads by these trucks or other equipment. Trucks must be limited to those that are within load and dimensional limits for County Normal Routes including seasonal load limits.
- (8) Any noise, odors, smoke, fumes, or dust generated on the site by any excavating, loading, or processing operation and able to be borne by the wind shall be confined

within the boundary lines of such site as much as possible so as not to impact any adjoining lot or public road.

- (9) All areas within a mineral mine shall be rehabilitated progressively as they are worked out or abandoned to a condition of being entirely lacking in hazards, inconspicuous, and blended with the general surrounding ground form so as to appear natural.
- (10) Only equipment owned or leased by the operator of the mineral mining operation and used in the operation of the mineral mine shall be stored overnight or for longer periods anywhere on the premises. Storage of any other equipment on the premises shall be prohibited.
- (11) Approval of a potable water supply and sanitary sewage disposal systems by the Washtenaw County Health Department.
- (12) All materials that are transported from the site must have been mined on site. No materials may be brought to the site for subsequent sale or transportation from the site.
- (13) Concrete, cement, or asphalt production shall not be allowed as part of a mineral mining operation unless located in a district which allows such use.
- (14) **Perimeter Berms.** Prior to the commencement of any extraction operations under any Conditional Use Permit the Applicant/Owner/Operator shall have completed construction of a berm in accordance with the approved site plan, seeded to prevent erosion around those areas of the site where adjacent properties are exposed to the views and noise of the extraction operation and as provided in the approved site plan. The berm shall be of variable height with the top and outside sides of the berm varying in slope from four (4') feet horizontal to one (1') foot vertical to ten (10') feet horizontal to one (1') foot vertical. The berms shall not be uniform or geometric in shape and shall be blended into the natural landscape. The lower or "valley" parts of the berm shall be heavily planted with a mix of evergreen and deciduous trees and shrubs to create an effective visual screen and as provided in the approved site plan. Each berm shall be constructed so as to prevent surface water running off the berm onto any property adjacent to the site. The location of the berm shall be noted in the approved site plan. Exterior facing berms for settling ponds or similar structures are considered perimeter berms and shall meet this standard.
- (15) **Noise.** Noise levels caused by applicant's truck traffic along the transportation route shall not exceed 82dB in a single occurrence, or 74dB based upon the average of daily readings during permitted hours of operations, such readings taken from noise monitors approved by the Township installed by the applicant at each entrance and exit to the site, and at off-site locations chosen at the discretion of the Township and installed by the Township at the expense of the applicant along the designated route. The applicant's Noise control plan referenced in Section 74-592a(d)(1)(k) shall include the acknowledgment and agreement that if such average readings exceed 74 dB at any

noise monitoring location, the applicant shall reduce the amount of daily trips to and from the mine until such noise readings fall within the permitted daily average limit of 74 dB, and the applicant shall reduce such trips accordingly upon each such occurrence.

- (16) The applicant shall demonstrate compliance with all of the provisions of Section 74-594, Performance Standards, as amended.

(g) ANNUAL REPORTS AND INSPECTIONS

- (1) **Annual Report.** Each year at the anniversary of approval of the Conditional Use Permit by the Township Board of Trustees, the Applicant/Owner/Operator shall submit a report to the Township, which shall be considered by the Township at the next meeting of the Township Board that is at least thirty (30) days after the date of submission of the report. The report shall include the following information:
- a. Tonnage and cubic yards of sand, gravel, and other materials removed from the mineral mining site.
 - b. Description of reclamation activities undertaken during the year.
 - c. Description of landscaping activities undertaken during the year.
 - d. Total acres of unrestored, disturbed land from one annual inspection date to the next, including processing plant area, un-seeded berms and slopes, un-reclaimed areas, un-reclaimed shorelines, areas stripped of topsoil, and water areas where active extraction is occurring.
 - e. Total acres of land reclaimed during the year, include amount and types of reclaimed land (e.g., acres of open water, acres of uplands, etc.) and total acres reclaimed since operations began at site.
 - f. Summary of truck trips. A truck trip is a one-way trip in or out of the mining site:
 1. Daily truck trip log with loaded truck weights for each operating day of the year
 2. An annual trip log containing weekly and monthly trip averages and weekly and monthly average average truck weights..
 - g. Applicant shall provide, as part of the annual report, the results of all water quality tests. Where a split sample is required by the Township, the applicant in the presence of the Township's consultant shall collect and split with the Township's consultant surface and groundwater samples. The applicant shall have an analysis of the samples performed at a state-certified water quality laboratory. Tests shall be performed on water supply and monitor wells in accordance with standards and parameters jointly established by the Township's expert and the applicant's expert taking into consideration the type and level of extractive activities which have and/or which will occur on the site. In the event the Township's expert and

applicant's expert disagree, then the Township's expert shall make the determination. At a minimum, monitor wells shall be sampled and analyzed annually for the indicator parameters and biannually for the full list of chemical parameters identified in Section 74-592a (d)(1)g.3.i., and compared to the EGLE Generic Cleanup and Screening Criteria, as well as baseline water quality data for the site, if available. At the option of the Township, annual residential and public water supply well sampling shall commence at a time based on consideration of groundwater flow rate, direction, and distance from the site boundaries. Water supply wells shall be sampled and analyzed for the parameters identified for baseline water quality data including water levels. The Township, at the expense of the applicant, may require additional testing frequency and/or analyses for additional parameters to better assess any potential water quality or quantity risks or concerns. The Township, at the expense of the applicant, may cause random tests to be performed on the split samples. Results of such tests shall be provided to the applicant.

- h. Statement and location of planned extraction and reclamation activities for the next year.
- i. Statement regarding conformance to the approved mineral mining operations and reclamation plans and compliance with required State and Federal regulations including but not limited to the volume of material excavated and removed from the site, the volume of restoration material stockpiled on site, and the sufficiency of the stockpiled material to restore the then excavated site pursuant to the approved Reclamation Plan.
- j. Description of any complaints received during the prior calendar year and procedures used to resolve the complaints.
- k. A list of all equipment that is located on and used at the site, whether temporary or permanent.
- l. An aerial photograph of the entire site on a scale not smaller than one (1") inch equals two hundred (200') feet, taken after extraction operations for the year have ceased and prior to the date of the Annual Report required under this Ordinance. In addition to the aerial photograph, upon recommendation from the Township Engineer, the Board of Trustees may require the submission of an aerial topographic photograph.
- m. List of all road improvements paid for by the Applicant.
- n. Written evidence that the financial guaranties and liability insurance required pursuant to the Ordinance are in full force for a period of not less than twelve (12) months from the date of the Annual Report.
- o. Applicable permits and/or reports that may be required from other governmental agencies.

p. Applicant shall provide a list of fill materials deposited on the site stating:

1. the nature of the materials;
2. location from which the materials were imported;
3. quantity of materials deposited from each such location; and
4. the location on the site where the materials were deposited. The Township may perform, at the expense of the applicant, such reasonable tests on the material to ensure that the materials do not pose a threat to health, safety or welfare of the public.

(2) **Additional Meeting(s).** Following receipt of the Annual Report, the Ann Arbor Charter Township Board of Trustees may require additional reports, presentations and/or meetings with representatives of the CUP holder to review the Annual Report and to discuss any existing or anticipated issues associated with the extraction operation.

(3) **Inspections.**

a. **Inspections and Testing.** The Township, at the expense of the applicant paid from the escrow account, may conduct such inspections and cause or perform such tests as are reasonable to ensure the activities conducted on the site comply with the Ann Arbor Charter Township Mineral Mining Ordinance, other applicable ordinances, rules and regulations.

b. **Annual Inspection.**

1. The Township Board of Trustees shall set an annual inspection date for the site. The Township Board of Trustees shall provide the applicant(s) written notice of an annual inspection at least fourteen (14) days before the annual inspection.
2. Representatives from the Township may include (but not limited to) zoning inspector, engineer, hydrogeologist and Township officials shall conduct an annual inspection of the site. A representative from the applicant(s) shall accompany the Township representatives on the annual inspection.
3. The Township shall take photographs of the site to establish a historic record of activities and changes on the site. The photographs shall be submitted to the Board of Trustees with a print to be submitted to the applicant. The photographs and prints shall be dated and signed by the person taking the photographs.

4. The Township, at the expense of the applicant to be paid from the escrow account, shall prepare a report to include the following:
 - i. An evaluation of the Annual Report submitted by the applicant,
 - ii. An evaluation of the site and operations in terms of its compliance with the conditional use permit, to include (but not limited to) conditions, base documents and reclamation plan, the Ann Arbor Charter Township Mineral Mining Ordinance and other applicable ordinances, rules and regulations;
 - iii. An evaluation of the water quality parameters, and
 - iv. Analysis and recommendation as to the appropriateness of the amount of the financial guarantees in light of the present circumstances. The report shall include the following:
 - (1) set forth any observed deviation from the base documents and non-compliance with a condition set forth in the permit,
 - (2) render an opinion whether the applicant is in compliance with the terms and provisions of the permit, Ann Arbor Charter Township Mineral Mining Ordinance, and other applicable ordinance, and
 - (3) make recommendations as deemed appropriate. The report shall be signed and dated by the person(s) preparing the report and submitted to the Board of Trustees, with a copy to the applicant.

(h) RENEWAL

The conditional use permit shall not be issued for a period to exceed five years from commencement date. Any extension of operations beyond that date shall require a new conditional use permit, which shall be applied for and processed as provided in this chapter upon proof by the applicant that restoration of areas that are no longer actively mined or proposed for future mining has begun. Applications for CUP Renewal shall include the same information required in 74-592a (d) and (g). Applications for renewal of conditional use permit shall be made not later than six months nor sooner than eighteen months prior to the expiration date of the current CUP.

(i) FINANCIAL GUARANTEE AND INSURANCE

(1) Financial Guarantees.

- a. Guarantee Performance. To ensure compliance with the provisions of the Ann Arbor Charter Township Mineral Mining Ordinance and the permit, to include (but not limited to) compliance with the systematic site reclamation, the applicant shall furnish a financial guarantee prior to the commencement of the extraction operation. The guarantee shall be set by the Township Board in an amount to cover

the contingencies posed by the permit, but in no event shall the guarantee at any time be less than Two Hundred and Fifty Thousand (\$250,000.00) Dollars. The guarantee may be revised from time to time to reflect the amount necessary to cover the contingencies.

- b. Guarantee for well replacement. To ensure that the quality of the water and the operation of wells are not adversely affected by the activities conducted on the site, the applicant shall furnish a financial guarantee prior to commencement of the mineral mining operation. The guarantee shall be set by the Board of Trustees in an amount to cover those wells likely to be affected by activities on the site.
- c. Form. Guarantees shall be in the form of a letter of credit or surety bond payable to Ann Arbor Charter Township executed by the applicant and a reputable surety company. The letter of credit or surety bond must be issued by a corporate surety licensed to do business in the State of Michigan and rated AAA, as provided by the current Best's Key Rating Guide. Ann Arbor Charter Township must be named as obligee. The letter of credit or surety bond must be renewed at least sixty (60) days prior to its expiration. In the event the guarantee is not renewed within sixty (60) days of its expiration, the Township may make a demand on all or some of the guarantee. If a guarantee lapses, all excavation activities on the site shall immediately cease and full reclamation commence.

(2) **Site Insurance.**

- a. Applicant shall provide a specific liability insurance policy of not less than Five Million Dollars (\$5,000,000.00) per incident for all liability claims arising out of the site issued by an insurer rated AAA, as provided by the current Best's Key Rating Guide. The adequacy of this amount shall be subject to yearly review by the Ann Arbor Charter Township Board of Trustee. The liability insurance is to cover property damage for surface and/or subsurface occurrences and bodily injury in an amount and form approved by the Ann Arbor Charter Township Board of Trustees, naming Ann Arbor Charter Township, its elected officials and appointed officials as additional named insureds and provide a copy of this policy to the Township Clerk. Said insurance shall provide an endorsement that provides that the general aggregate limit of the operations commercial and general liability applies separately to the site, and that Ann Arbor Charter Township shall be sent a notice of intent to cancel the insurance not less than thirty (30) days before the cancellation thereof. Failure of the operator, or any persons, firm or corporation named in the policy to maintain the insurance shall cause immediate suspension of the conditional use permit.

SECTION 3. SEVERABILITY.

The provisions of this Ordinance are hereby declared to be severable and if any part is declared invalid for any reason by a court of competent jurisdiction it shall not affect the remainder of this Ordinance which shall continue in full force and effect.

SECTION 4. REPEAL.

All other ordinances or parts of ordinances in conflict with this ordinance are hereby repealed, but only to the extent to give this Ordinance full force and effect.

SECTION 5. EFFECTIVE DATE.

This Ordinance shall take effect upon publication as provided by law.

Motion By:

Second By:

YEAS:

NAYS:

Abstain:

Absent:

ORDINANCE DECLARED ADOPTED

CERTIFICATION

It is hereby certified that the foregoing Ordinance was adopted by the Township Board of Ann Arbor Charter Township, Washtenaw County, Michigan at a meeting of the Board duly called and held on _____, 2024.

ANN ARBOR CHARTER TOWNSHIP

By: _____
Diane O'Connell, Supervisor

By: _____
Rena Basch, Clerk

First Reading:
Public Hearing:
Planning Commission Recommendation:
Approved by Board:
Effective: _____, 2024 (7 days after publication)

Communication Inventory Survey Drafts (2)-Residents and Township Representatives

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Overview

Below are two drafts for inventory surveys: 1. Survey to be distributed to township residents 2. Survey to be distributed to those who work or volunteer for the township (e.g. staff, board members, committee members, etc.). The purpose of each survey is to determine needs and interests related to township communication. Survey data will also inform an internal concept map for communications that will contribute to township strategy related to communication. The term “communication” is used broadly to consider things like communication engagement between the township and residents as well as pursuing grants for the township. The term communication is also based on the scope of my consultant role that will include communications related to community engagement and writing grant applications. Feedback is welcome on the proposed timeline for drafting, review, and distributions, as well as each survey draft before they are distributed. Once surveys are approved for distribution, I will transfer the draft to a preferred survey platform and generate a URL and QR code for the survey to be distributed through all appropriate and agreed upon channels.

Distribution timeline and tasks related to survey collection and analysis

(welcomed feedback below as the current outline is a guesstimate):

Date	Task	Point Person(s)
August 1-August 19	Review and approve surveys for distribution Discussion at August 19 meeting	Diane O'Connell, personnel committee, Board of Trustees, Ann Burke
August 19-23	Transfer drafts to survey platform and generate link to distribute	Ann Burke
Fall 2024	September/October: Distribute survey via email to township employees, Board of Trustees, committees, consultants October: Distribute resident survey link via email and, if possible, print and digital newsletter	Ann Burke with personnel committee/staff support
Fall 2024 (e.g. September/October)	Collect and analyze feedback	Ann Burke
Fall 2024 (e.g. October/early November)	Synthesize feedback for concept map (feedback will be synthesized with other information Ann has been collecting from things like desk research, meetings with staff, etc.)	Ann Burke
November 2024	Review synthesized data and concept map	Ann Burke and personnel committee
Early Winter 2024 (e.g. December)	Report data and concept map to board and staff	Ann Burke
Winter 2024/2025 (e.g. December-January)	Integrate board/staff feedback into concept map and further build out strategy to implement for 2025	Ann Burke

Survey Drafts

1. Resident Survey Draft

Introduction to survey

Dear Township Resident,

We at Ann Arbor Charter Township value your input and are committed to ensuring that our communication efforts effectively meet the needs of our community. As part of our ongoing efforts to improve how we keep you informed and engaged, the township is conducting a survey to better understand your preferences and interests regarding communication from us. Your feedback will also inform an internal concept map for communications that will contribute to township strategy related to communication. The term “communication” is used broadly to consider things like communication engagement between the township and residents as well as pursuing grants for the township. The survey should take 5-10 minutes to complete.

Your feedback is crucial in helping us enhance the ways we share important information, updates, and opportunities with you. Whether it’s through email updates, social media, or other channels, we want to ensure that you receive the information that matters most to you in the manner that best suits your needs.

We want to assure you that, unless you provide your contact information to participate in follow-up discussions, your responses will be anonymous. Our goal is to gather honest and valuable insights to help us improve our communication strategies and better serve you.

Thank you for taking the time to share your thoughts with us. Your feedback is essential in shaping the future of our community’s communication and engagement efforts.

Sincerely,

Diane O’Connell, Supervisor
Ann Arbor Charter Township

Survey Questions

General Information

1. How long have you lived in the township?

- Less than 1 year
- 1-5 years
- 6-10 years
- More than 10 years

2. What is your age group?

- Under 18
- 18-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65 and over

3. Please rank the following modes of communication with the township based on how frequently you use them, with 1 being the most frequently used and 7 being the least frequently used:

- Email
- Phone calls
- Social media
- Township website
- Postal mail
- In-person meetings/events
- Bulletin boards or display tables at township hall

Technology and Accessibility

4. Please indicate how strongly you agree or disagree with the following statements about your experience with the internet:

- a. **Ease of Use:** The internet is easy for me to navigate and use effectively.
- Strongly Disagree
 - Disagree
 - Neutral
 - Agree
 - Strongly Agree

b. **Reliability:** My household internet connection is reliable and consistently performs well.

- Strongly Disagree
- Disagree
- Neutral
- Agree
- Strongly Agree

c. **Access:** I have adequate access to the internet whenever I need it.

- Strongly Disagree
- Disagree
- Neutral
- Agree
- Strongly Agree

5. How comfortable are you with using digital communication tools (e.g., email, social media)?

- Very comfortable
- Somewhat comfortable
- Neutral
- Somewhat uncomfortable
- Very uncomfortable

Communication Preferences

6. How often would you like to receive communication from the township?

- Weekly
- Bi-weekly
- Monthly
- Quarterly
- Annually

7. Which communication channels do you prefer for receiving updates and information from the township? (Select all that apply)

- Email newsletters
- Text messages
- Phone calls
- Social media (e.g., Facebook, Twitter)
- Township website updates
- Printed materials (e.g., flyers, newsletters)
- Bulletin boards and display tables at township hall
- Public meetings

8a. What types of information are you most interested in receiving? Select all that apply.

- Township events and activities
- Local government news and updates
- Emergency alerts and public safety information
- Educational community programs and services
- Public meetings and hearings
- Infrastructure and development updates
- Volunteer opportunities
- Serving on a committee (e.g. roads, climate, etc.)

8b. Do you have additional ideas about information you would like to receive from the townships? If so, list your ideas below.

9a. If you belong to a business or community organization within the township, would you be interested in contributing to a community calendar facilitated by the township?

- Yes
- No
- Maybe
- N/A

9b. If you responded with “yes” or “maybe” to question 9a, please list ideas below about what kinds of events you could imagine contributing to the community calendar.

Content and Engagement

10. How satisfied are you with the current level of communication from the township?

- Very satisfied
- Somewhat satisfied
- Neutral
- Somewhat dissatisfied
- Very dissatisfied

Feedback and Suggestions

11. What aspects of the township’s communication efforts do you like? Please list these aspects below.

12. What improvements would you like to see in the township’s communication efforts? Please list these improvements below.

13. What, if any, additional information or resources would you like the township to provide?
Please list your ideas below.

14. Would you be interested in participating in a focus group or providing further feedback on township communications?

- Yes
- No
- Maybe

If you would like to be contacted to provide additional suggestions, please provide contact information below if interested. Please note that by providing your contact information below, your responses will no longer remain anonymous.

(Name, email, phone number)

15. Do you have any other comments or suggestions regarding township communication? If so, please write at least 1-2 sentences below.

2. Internal Survey to Township representatives

Introduction to survey

Hello!

My name is Ann Burke, and I will be serving as a consultant specializing in grant writing and communication for the township. To get started, I am reaching out to gather your feedback through this survey.

The purpose of this survey is to assess your needs and experiences related to communication support within the township. I am particularly interested in understanding how I can better assist you with various aspects of communication. Please note that the term “communication” is used broadly to consider things like communication engagement between the township and residents as well as pursuing grants for the township. The term communication is also based on the scope of my consultant role that will include communications related to community engagement and writing grant applications.

The survey should take 5-10 minutes to complete and your insights will be instrumental in helping us identify areas where additional resources or improvements may be needed. Please be assured that any response will be used solely for the purpose of improving the township’s communication support. I appreciate your time in completing this survey and look forward to using your feedback to make meaningful improvements.

Thank you for your feedback and please let me know if you have any questions!

Sincerely,

Ann Burke
Consultant for Grant Writing and Communication
consultant@aatwp.org

Survey Questions

General

1. What is your current role or title within the township?
2. How long have you been working with the township?
 - Less than 1 year
 - 1-3 years
 - 4-7 years
 - More than 7 years

Current Communication Efforts

3. What type of communication do you engage in as part of your role at the township? Select all that apply.
 - Grant writing
 - Resident engagement
 - Social media management
 - Internal communications
 - Event planning and promotion
 - Other (please specify): _____

Needs and Challenges

4. In what specific areas do you feel you need additional communication support? Select all that apply.
 - Grant writing and funding proposals
 - Public engagement and outreach
 - Social media and digital marketing
 - Event planning and coordination
 - Other (please specify): _____

5. What, if any, challenges do you face in your role that could be addressed with additional writing or communication support? Please write at least 1-2 sentences below.

Communication Tools and Resources

6. How familiar are you with the current communication tools and resources available to you?
 - Very familiar
 - Somewhat familiar
 - Neutral
 - Somewhat unfamiliar
 - Very unfamiliar

7. What additional tools or resources would be beneficial for improving your communication efforts? (Select all that apply)

- Grant writing consultation
- Grant writing software
- Resident engagement platforms
- Media monitoring tools
- Social media management tools
- Training workshops or seminars
- Templates and guidelines for communication materials
- Other (please specify): _____

Collaboration and Training

8. Would you benefit from communication support on any specific communication topics? Select all that apply.

- Grant writing
- Social media strategies
- Community outreach and engagement
- Other (please specify): _____

Feedback and Suggestions

9. Are there any opportunities that you think the township could take advantage of to pursue grants or improve communications? If so, please explain below in at least 1-2 sentences.

10. Are there any additional comments or suggestions you would like to provide regarding grant writing or communication support within the township? If so, please write at least 1-2 sentences.

11. Would you be interested in participating in a focus group or providing further feedback on township grant writing and other communications?

- Yes
- No
- Maybe

If you would like to be contacted to provide additional suggestions, please provide contact information below if interested. (Name, email, phone number)

Clerk's Report – August 19, 2024

I. Election/Voter Registration Administration

- a. Primary ran very smoothly; Kristine and Heather ran Election Day outstandingly well!
- b. Worked Saturday office hrs with Kristine. Worked Early Voting sites 3 full days as site supervisor.
- c. Trained Kristine on EPB, opening and closing procedures.
- d. Election stats:
 - i. Turnout in Washtenaw was very low at 26%; in AA Twp - 31%, lower than our usual. (In August 2020 it was 47%.) 1320 out of 4268 registered voted.
 - ii. Absentee voting – 1409 AV ballots issues; 995 returned. One of our military/overseas ballots arrived in the new 6-day post-election day window and was tabulated at the Board of Canvassers.
 - iii. Early voting – only 42 Township voters. Three had last name Basch.
 - iv. Election day voting – only 283 voted at the polls.

II. Records management/Open meetings

- a. Records, posting and publishing:
 - i. Open meeting minutes drafts converted to approved docs, posted and filed for Board, PC and FOSPB to Minutes Archive, township website and Laserfiche.
 - ii. Resolutions from July Board meeting completed and filed.
 - iii. Postings for regularly scheduled meetings completed.
 - iv. Posted Board of Trustees Special Meeting August 1.
 - v. Worked with Planning and Zoning staff to determine course(s) of action for complicated variance requests.
 - vi. Wrote, published, posted and did neighboring property mailing for Shared Driveway public hearing for August 19 Board meeting.
 - vii. Wrote, published, posted and did neighboring property mailings for
 1. ZBA variance requests for natural features setback and steep slopes for solar array installation.
 2. ZBA variance request for lot frontage.
 - viii. Wrote and published public hearing notice for Sept 5 PC meeting re Zoning Ordinance amendment re mineral mining.
- b. Prepared and posted digital packets for PC, ZBA and Board.
- c. Website updates in addition to postings listed in (a):
 - i. Updated Building permit forms, fees, Clerk's pages, MMM reports, Election info, posted Firefighter job, routine updates with agendas, minutes, and packets.
 - ii. Kristine assisting with updates – notice of early voting canvass, code enforcement officer email and new fillable form.

III. Zoning Board of Appeals – meets tomorrow August 20

IV. Other Projects/Responsibilities/Stuff

- a. Wrote and sent August Public Notices e-newsletter.
- b. Attended staff meetings.

**ANN ARBOR CHARTER TOWNSHIP
PLANNING COMMISSION MEETING MINUTES
Township Hall – 3792 Pontiac Trail
August 8, 2024 7:30 P.M.**

I. ROLL CALL, ESTABLISH QUORUM

Chair Kotila called the meeting to order at 7:34pm.

Present: John Allison
 Richard Bunch
 Lee Gorman
 Peter Kotila
 Jill Sweetman Lada
 Karen Mendelson
 Randolph Perry (left meeting approx. 9:20pm)

Absent: None

Also Present: Township Attorney Gabis (Bodman PLC); Township Planner Elmiger (Carlisle Wortman); Building Official and Zoning Administrator Pace; Planning Assistant Morris; Township Supervisor O’Connell

II. CITIZEN PARTICIPATION

Addressing Agenda Item VI.A, Jeff David, 767 Oakdale Road, President of the Barton Hills Maintenance Corporation (Homeowners Association for the Barton Hills Subdivision), said that the renaming of the new Maple Ridge Subdivision to Barton Ridge Subdivision was unacceptable to the 120-home community represented by the Barton Hills Maintenance Corporation. Barton Hills Subdivision has a rich history, including being founded in 1922, designed by the Olmstead Brothers, and being very well known as one of the oldest, most historic homeowners’ associations in the country. Barton Hills Subdivision exists as a distinct, historical community. The Barton Hills Maintenance Association is the largest landowner and the owner of all the roads within their community. Renaming the subdivision directly across the street Barton Ridge Subdivision would cause confusion to those who were looking for the entrance of Bartons Hills Subdivision.

III. APPROVAL OF MINUTES

- July 1, 2024, Draft AACT PC Meeting Minutes

MOTION by Allison, support by Mendelson, to approve the July 1, 2024 regular meeting minutes as submitted.

Motion passed unanimously by voice vote.

IV. COMMUNICATIONS

July 15, 2024, DRAFT Board of Trustees Meeting Minutes

Commissioner Allison reviewed the June 15, 2024 Board of Trustee meeting, highlighting the following:

- Grant writer and communications specialist hired.
- Five-year renewal of the Land Preservation Millage will be on the November ballot.
- Extended moratorium on mining and mineral mining applications for 3 months, to October 31, 2024.
- Discussed court-stipulated order allowing an experiment on dredging at Mid Michigan Materials mining pit for up to 45 days.
- Final documents for the private wastewater system for the Maple Ridge Subdivision were approved, along with the acceptance of 100-acre donation to the Township.

V. PUBLIC HEARINGS

- A. **ZC-02-24 Petitioner David R. Glass, Jr., (Midwestern Consulting) is requesting rezoning of parcel I-09-23-180-005, 4.60 acres including a single-family residence at 1575 Earhart Road from A-1 to R-3.**

Applicant presentation

Candice Briere, Midwestern Consultants, was present on behalf of this request to rezone a 4.6-acre parcel including a single-family residence from A-1 agricultural to R-3 residential. Property owner David Glass was also present, participating via ZOOM.

Ms. Briere made the following points:

- The property is located south of Plymouth Road, on the west side of Earhart, at the intersection of Earhart and Old Earhart.
- The existing single family residence dates to the Civil War era and is served by on-site well and septic.
- The site is within the Township sewer and water service area. There are existing sewer mains on the south side of Old Earhart and on the west side of Earhart.
- Property to the south is zoned A-1, to the east is zoned RRA, with PUD zoning to the north.
- The future land use designation for the parcel and surrounding areas is residential, with a recommended density of 2-4 dwelling units per acre.
- The existing parcel is nonconforming for minimum lot size of 10 acres in the A-1 district. The applicant is requesting rezoning request to R-3 which would allow single-family urban residential with a density consistent with the future land-use designation. The R-3 zoning is also compatible with the existing single-family residential development (a PUD) that is immediately to the north.
- There are no immediate plans to develop the site. Currently the owners are working on renovating the existing house. At the same time, they are trying to make the property more marketable should they decide to sell it. The rezoning is consistent with the master plan and makes sense.
- The applicant was asking for a positive recommendation to the Township Board.

Planner comments

Referencing her May 24, 2024 memorandum, Township Planner Elmiger agreed that the future land use designation of residential uses at 2-4 DU/AC is most closely associated with the R-3, Single-family Urban Residential zoning district. If the rezoning is approved and the property is redeveloped for residential purposes, the proposed R-3 zoning district would be

consistent with the planned use in the Master Plan. If the rezoned property is redeveloped for another use in the R-3 district, the uses allowed in this district would be more consistent with the current surrounding land uses than the existing A-1 zoning.

Public Hearing

Chair Kotila opened the public hearing.

Owner David Glass said the house has been dated by some historians as around 1830. His interest in the house is to preserve its historical aspects.

Payman Aqsa, Township resident, said he lived just north of this property. He asked if questions from their homeowners' association president, Rich Coleman, would be answered.

Chair Kotila closed the public hearing.

Commission deliberation

Commissioners thought this request was consistent and aligned with the master plan and Township zoning requirements.

Chair Kotila reviewed important considerations such as the ability to serve the parcel with water, impact on surrounding property values, consistency with surrounding parcels and the master plan, and the fact that the parcel was no longer viable for agricultural use.

Commissioner Allison noted that at the last public hearing Rich Coleman had asked about property lines; presumably these would be consistent with property lines to the south. The submitted written comments asked about a berm or landscaping, and also addressed traffic issues related to highway changes on US-23. These questions could be discussed during site plan review; they were not related to the question of rezoning. There would be no impacts to this parcel from northbound US 23, although it appeared the changes mentioned by Mr. Coleman were no longer being contemplated.

MOTION by Gorman, support by Mendelson, to table this agenda item and direct the Township Attorney to prepare a resolution for the Planning Commission's consideration at the next Planning Commission meeting recommending approval that includes the findings of fact discussed this evening relative to Section 74-310 of the zoning ordinance.

Motion passed unanimously by voice vote.

VI. NEW BUSINESS

A. SP-03-24 Maple Ridge Major Minor for a Community name change.

Scott Hansen and Jason Iacoangell, Toll Brothers, 2600 Town Center, Novi MI, were present this evening on behalf of this request for a minor amendment determination for a community name change from Maple Ridge Subdivision to Barton Ridge Subdivision.

Planner comments

Referencing her July 19, 2024 memorandum, Township Planner Elmiger reviewed the ordinance criteria for determining whether the requested change is a major amendment to the PUD under Section 74-542i:

- (1) Change in concept of the project;
- (2) Change in use or character of the project;
- (3) Change in type of dwelling unit as identified on the approved site plan;
- (4) Change in the number of dwelling units;
- (5) Change in non-residential floor area of over five percent;
- (6) Change in GFC, FAR or stormwater impact surface of the project of over one percentage point;
- (7) Rearrangement of lots, blocks, or building tracts;
- (8) Change in the character or function of any street;
- (9) Reduction in land area set aside for common open space or the relocation of such area;
or
- (10) Increase in building height.

Planner Elmiger concluded that the name change did not meet any of the criteria for a major change, and she recommended the Commission consider the request as a minor amendment.

Commission deliberation

In response to comments and questions regarding naming of the subdivision, Township Attorney Gabis addressed issues of free speech under the First Amendment. Generally speaking, the government cannot regulate content-related aspects of speech, except under certain specific circumstances when that speech results in obscenity or hate speech of some sort.

Commissioner Perry disclosed that he is a resident of Barton Hills Village, but not a member of Barton Hills Subdivision. Chair Kotila asked the Commissioners' opinion in this matter, and by consensus, under the Township's conflict of interest policy, Commissioners felt that Commissioner Perry did not need to be recused.

Commissioner Perry argued the following:

1. While the ordinance lists specific criteria for major amendments, it also allows the Planning Commission to consider and request additional information, and the Commission's authorities and responsibilities under the ordinance permit the Commission to consider a name change under these circumstances as a major amendment, as a legal issue and not a planning issue. The Michigan Supreme Court has held that the word "includes" means "includes but not limited to," and in this case, this particular name change could be evaluated under further considerations and would be a major modification to the PUD.
2. Also, despite what the developer stated in the submitted materials, there is a Barton Hills Subdivision, directly across the street from the Maple Ridge Subdivision. The Barton Hills Subdivision assesses its members and performs an active role for members such as architectural review of building plans.
3. Being located right across the street from the Barton Hills Subdivision, renaming Maple Ridge to Barton Ridge presents a high risk of confusion and misidentification with Barton Hills Subdivision, and should be considered a major modification to the PUD.

Discussion followed. Commissioners expressed differing viewpoints regarding the issues brought forward, and after significant debate and discussion, Township Attorney Gabis suggested that before the Commission acts on this matter, she prepare a memorandum regarding the First Amendment implications of this case as well as the implications stated by Commissioner Perry related to the statutory construction of the word “includes.” She advised that Commissioners should be aware of the standards of the law before deciding on the minor/major question that was before the Commission this evening.

In response to comments, the applicants said that they had chosen the name Barton Ridge, they were within their rights to name the project, and that is the name they wished to use.

MOTION by Allison, support by Bunch, to table SP-03-24, Maple Ridge, a request for a Major Minor determination for a community name change, to allow the Township Attorney to prepare a legal memorandum on the Board’s authorities and responsibilities in this matter, and to prepare two resolutions – one supporting a minor determination and one supporting a major determination, for the Board’s consideration.

Motion passed unanimously by voice vote.

B. NF-02-24 75 Laurin Drive Solar Panels Application

Applicant presentation

Steven Yarrows, 74 Laurin Drive, was present on behalf of this application for a solar array installation on his property. Applicant’s representatives Dave Friedrichs and Charles Hookham, Homeland Solar, were also present.

Mr. Yarrows made the following points:

- The house was constructed in the early 1800s and has a slate roof.
- Mr. Yarrows is interested in utilizing solar for their home, but solar cannot be located on a slate roof and must be a ground mounted array. The regulations for ground-mounted solar arrays are more complex than those for roof-mounted systems.
- Mr. Yarrows provided a brief video presentation to illustrate the proposed installation site located near the river, and discussed the challenges posed by the dense forest surrounding his property.
- Mr. Yarrows acknowledged that the proposed site is within 100 feet of the river, which violates the current ordinance, but the nature of the topography there – an elevation 32’ higher than the river, with dams on either side – made flooding highly unlikely.
- Mr. Yarrows acknowledged that there were competing interests in saving trees and having solar. Solar cannot be located within a forest.
- Mr. Yarrows acknowledged that he had removed trees without realizing that permission was required.

Planner and staff comments

Referencing her August 2, 2024 report, Township Planner Elmiger highlighted the following points:

- The Planning Commission's responsibility for this project is to evaluate the applicant's request for a Natural Features Permit and a Steep Slope Use Permit. Planner Elmiger's memorandum also evaluated the requirements for a Certificate of Zoning Compliance for the project. The project will require a variance because the current solar ordinance prohibits ground-mounted solar arrays within natural feature setbacks. Even if the natural features permit is issued, the variance must still be obtained, because the Township cannot issue a permit for something that is prohibited by ordinance. The Natural Features Permit could potentially be granted conditioned upon the applicant receiving a variance.
- In response to questions, Township Planner Elmiger said that the solar array ordinance specifically states that a ground-mounted, small-scale solar array cannot be located in a natural feature.
- The solar array ordinance requires that the location of all temporary and permanent access roads, driveways or other travel ways be shown on the plans, including the location of trees greater than 6" dbh (diameter at breast height) in the proposed travel way to be used by vehicles to reach the installation point. This has not been provided.
- The Certificate of Zoning Compliance requires a detailed plan showing the temporary access road for installation, the location of trees 6" dbh, as well as the extent of the disturbance for connecting the solar panels to the electrical system. These details are missing from the proposal and must be provided for the Commission to proceed.
- Small-scale, ground-mounted solar arrays are considered an accessory use to a residential property. In this instance, the solar array is on a separate parcel; there cannot be an accessory use on a lot without a principal use. This situation would also require a variance, which would have to meet the requirement that the hardship not be self-created.
- In response to a question, Planner Elmiger said the applicant had submitted an application to combine the two properties. This is not the same as combining parcels for tax purposes (where the parcels remain two separate lots).
- The Commission has not heard what alternative locations were considered, and why they were rejected.
- The vegetation along the river provides critical environmental benefits to the water quality of the Huron river, which water serves as a drinking water source. The required buffer is critical to the water.
- In conclusion, Planner Elmiger did not think the application met the criteria for the Natural Feature Setback Permit and the Steep Slope Use Permit. There are other locations on the property that can accommodate the solar panels outside of the setback/slopes. These other locations may require additional tree removal, but the change would meet both goals of encouraging renewable energy production while protecting the important ecological benefits that preserving vegetation along the Huron River provides. An alternative location would also communicate to other riverside property owners an appropriate location for solar panels. The protection of the riverbank should be prioritized over the location of the solar array.

Building Official and Zoning Administrator Pace provided the following:

- Building Official Pace confirmed that the proposed location for the solar array is within the slope and encroaches into the natural features buffer. The applicants had been

asked to find another location, and an engineer from Midwestern Consultant did find another location which the owner rejected.

- Moving the array out of the 100-foot buffer zone may require cutting down more trees.
- The owner had been asked multiple times to combine the lots, but he had not done so.
- The solar array needs to be removed from the steep slope area.

Commission discussion and deliberation

In response to questions, the applicants gave the following further information:

- The solar array will produce 13.3 kilowatts.
- The location at the top of the hill has a minimal grade and is the location where solar can be optimized.
- Bringing the solar panels closer to the house will not provide the aesthetics necessary to enhance the value of the property.
- There is approximately 400' of wire between the array and the inverters. The wire goes underground, and no trees are disturbed.
- The array requires 8 posts, driven straight down with no excavation and no cement. The arrays will be ~2' off the ground, so that the viewscape is not compromised from the house to the lake.
- The applicant had cut trees on the slope to be able to put a canoe on the river. He was happy to remediate the trees that had been removed.
- The applicant was willing to explore a boundary adjustment and/or lot combination but was also concerned about the potential impact on the property's marketability.

Commissioner Perry was reluctant to act on this request when any approval is dependent on at least two variances being granted, which variances are unlikely. Commissioner Gorman agreed.

Commissioner Gorman said that protecting one aspect of the environment (solar energy) should not come at the cost of damaging another (natural features and steep slopes). The Planning Commission has spent considerable time and effort protecting steep slopes and natural features in the area. These features are critical and should not be compromised, even for renewal energy projects.

Commissioner Mendelson added that the ordinance was crafted so that solar would not trump the protection of natural features and steep slopes.

In response to questions, Planner Elmiger said that per the submitted survey, the solar panels were located on steep slopes as defined by Township ordinance.

It came out in discussion that some relevant materials might have been submitted as part of the ZBA variance application.

Chair Kotila pointed out that this natural feature (the Huron River and riverbank) is arguably the most important natural feature of the region. It was important to understand why the array didn't work elsewhere.

Commissioner Allison added that per the Planner's analysis, the slope was a prohibitive steep slope, which should not be used for anything, not just solar arrays. The Commission needed written documentation of what alternative locations had been considered, and why they had been rejected. If the steep slope is the only alternative, perhaps a solar array could not be approved for this site. Even if the steep slope issue were resolved, there is still the setback issue. Information also needed to be provided relative to trenching, which would most likely require additional tree removal.

The consensus of the Commission was that a complete written narrative needed to be provided by the applicant regarding the issues raised this evening.

MOTION by Allison, support by Bunch, to table action on NF-02-24 75 Laurin Drive Solar Panels Application to allow the petitioner time to provide the additional information described in the Planner's memo, and in particular, to describe the alternative locations and why they were rejected, the area of disturbance, and to provide a topographic survey that extends into the residential area and the adjacent 3-acre lot.

MOTION passed unanimously by voice vote.

C. Review Draft Mineral Mining Ordinance Revision and set a Public Hearing.

Township Attorney Gabis explained that the action being requested this evening was to set the draft mineral mining ordinance revision for public hearing.

Commissioner Allison, who chaired the subcommittee that worked on this ordinance revision, explained the following:

- The subcommittee was made up of Township Supervisor O'Connell, Commissioner/Trustee Allison, Trustee Moran, and Township Attorney Gabis, with input from Township Planner Elmiger, Township Engineer Humesky (Stantec), and Environmental Consultant Dr. Wright.
- The committee reviewed ordinances from 8 townships.
- The revised ordinance:
 - Includes 13 separate documents covering various aspects to help the Township better assess what is being proposed, and to better understand the impacts of the proposal, such as market analysis, transportation routes, reclamation plans, etc.
 - Includes new requirements about setbacks and slopes.
 - Includes the understanding that very serious consequences are cumulative, not individual, and that multiple individual issues can collectively result in significant consequences.
 - Includes specific prohibitions and conditions around discharge of water out of the mine.
 - Proposes reduction of hours to 8am to 5pm. There are more stringent standards relative to truck noise. Annual reports and inspections will be required. There is narrative in the ordinance regarding rules and financial guarantees.
- There is a Township moratorium on new mineral mining applications until October 31, 2024. To keep to that schedule, the public hearing would need to be held at the September 5 meeting, and a recommendation to the Board of Trustees would then be made at either the September or October Planning Commission meeting, so that the

Board can make a decision prior to the October 31 moratorium deadline.

Township Attorney Gabis further explained that the Board of Trustees will be having a first reading of the ordinance at the August 19 BOT meeting, with the understanding that they will be receiving a recommendation from the Planning Commission after the public hearing.

Commission discussion

Commissioners acknowledged the complexity of the technical details in the revised ordinance and expressed appreciation for the detailed work done by the subcommittee and the consultants in drafting the revision.

Commissioners requested a workshop meeting to discuss the revisions in detail. This would be best scheduled after the public hearing, so that workshop discussion can also include public comments made at the September 5 meeting.

MOTION by Gorman, support by Bunch, to set a public hearing for the Draft Mineral Mining Ordinance Revision at the September 5, 2024 Planning Commission Meeting.

Motion passed unanimously by voice vote.

D. Confirm Tuesday, August 20, 2024, for next Master Plan Workshop

Workshop meeting dates were set as follows:

- Monday, August 26, 7:00pm – Master Plan Workshop
- Thursday, September 19, 7:00pm – Mineral Mining Ordinance Revision workshop

Township Engineer Humesky and Environmental Consultant Dr. Wright will be invited to the September 5 Mineral Mining Ordinance Revision public hearing and the September 19 workshop.

Commissioner Perry left the meeting at approximately 9:20pm.

VII. OLD BUSINESS

A. Review Revision(s) to Tree and Woodland Preservation Ordinance draft amendments.

Township Planner Elmiger led a discussion of the proposed revisions to the Tree and Woodland Preservation Ordinance draft amendments. The draft ordinance had been discussed at the July 1, 2024 meeting, and tonight's draft incorporates Commissioners' comments made at that meeting, highlighted in yellow. The changes made were mostly for clarification.

Commission discussion

- Clarify the language regarding total number of extensions allowed.
- The information as to when a tree removal permit is required is very confusing. The average user should not have to read an ordinance several times and then seek further information from City staff to understand the ordinance.

In response, Township Planner Elmiger pointed out the importance of the ordinance in

approving and enforcing tree removals for a variety of applications – small and large, residential and commercial – and suggested that perhaps the Communications Specialist could help with writing a fact sheet that would put the information in easily understood form and language especially targeted for the individual single-family property owner.

- (d)(2) Exemptions – Farming operations, references Generally Accepted Agricultural Management Practices (GAAMP) but GAAMP does not provide any specific mention of tree management. The reference to GAAMP should be removed.

Set for public hearing

As the draft amendments had been reviewed by the Planning Commission several times, and as the changes made this evening could be incorporated in the draft, and noting that the September public hearing and October meeting already have the potential to draw interested parties and involve lengthy discussion, the following motion was offered:

MOTION by Allison, support by Gorman, to set the public hearing for Tree and Woodland Preservation Ordinance draft amendments for the November 7, 2024 meeting.

Motion passed unanimously by voice vote.

VIII. ITEMS FOR DISCUSSION

Commissioner Leda asked that the Commission schedule review of the farming ordinances, perhaps starting in January.

IX. INFORMATIONAL ITEMS

None

X. PUBLIC COMMENT

None

XI. ADJOURNMENT

MOTION by Leda, support by Mendelson, to adjourn the meeting.

Motion passed unanimously by voice vote.

The meeting was adjourned at 9:41 pm.

DRAFT

**Ann Arbor Charter Township
FARMLAND AND OPEN SPACE PRESERVATION BOARD MEETING MINUTES
Monday, July 22, 2024
Township Offices, 3792 Pontiac Trail, Ann Arbor MI
7:30 PM**

I. Call to Order, Establish Quorum

Vice Chair Moghtader called to order the regular meeting of Ann Arbor Charter Township Farmland and Open Space Preservation Board at 7:30pm.

Present: John Allison
Alex Cacciari
Ali Kawsan
Jeremy Moghtader
Cynthia Stiles

Absent: Tom Bartoshesky
Ken Judkins

Also in attendance: Land Preservation Consultant Barry Lonik
Supervisor O'Connell
Township Planner Elmiger
Township Attorney Gabis
Planning Assistant Jennifer Morris

MOTION by Allison, support by Kawsan, to amend the agenda to add new *IV. Discussion on Ordinances in State Law relative to Farm Operations*, and renumber Agenda accordingly.

Motion passed unanimously by voice vote.

II. Approval of Minutes of May 28, 2024 meeting

A. Open Session

MOTION by Kawsan, support by Stiles, to approve the minutes of the May 28, 2024 Open Session meeting as submitted.

Motion passed unanimously by voice vote.

B. Closed Session

MOTION by Allison, support by Kawsan, to approve the minutes of the May 28, 2024 Closed Session meeting as submitted.

Motion passed unanimously by voice vote.

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III. Public Comments – None

IV. Discussion on Ordinances in State Law relative to Farm Operations

Supervisor O'Connell explained that in response to questions from the FOSPB at the March 25, 2024 meeting she had suggested that Township Planner Elmiger be invited to discuss ordinances specifically having to do with farmland and how the ordinances align with Michigan GAAMPs (Generally Accepted Agricultural and Management Practices – see <https://www.michigan.gov/mdard/environment/rtf/gaamps>). Planner Elmiger was here this evening as was Township Attorney Gabis, who had sent a confidential memo to the Board which could only be discussed in closed session.

Township Planner Elmiger explained that the zoning ordinance primarily aims to protect public health, safety, and welfare. Farm regulations in the ordinance addresses interactions between the public and farm operations rather than regulating farm activities themselves.

Ordinances that regulate farm activities include:

Section 74.607 - Keeping of animals: This section exempts farm operations from regulations if keeping animals is part of the farm operation. Hobby-type animal keeping is regulated elsewhere in the zoning ordinance.

Section 74.608 – Agricultural processing and food storage: This ordinance regulates buildings and structures used for preserving or processing agricultural products, covering aspects such as building location, parking, hours of operation, lighting, and nuisances. Processing facilities up to 2,500 square feet and food storage facilities up to 5,000 square feet are reviewed administratively; larger facilities are reviewed by the Planning Commission.

Section 74.609 – Community supported agriculture (CSA) distribution site and U-pick/pick your own (PYO) operation distribution site. This section addresses where the public interacts with farming operations, focusing on building and structure, building location, parking, hours of operation, and lighting. Approval is by administrative review of the operation against ordinance standards.

Section 74.610 – Farm market/roadside stand. This is the only section that intersects with GAAMPs and covers things listed in the Right to Farm Act. The ordinance regulates farm markets based on size, with different review processes depending on the market's square footage. Buildings under 2500 square feet are reviewed administratively. Buildings over 2500 square feet are reviewed by the Planning Commission. The ordinance does not regulate topics covered by GAAMPs.

Section 74-611 – Agricultural commercial kitchen. This section allows a small-scale facility to be used by local farmers and local producers of farm products to create small volumes of value-added products. This section distinguishes between minor agricultural commercial kitchens (administrative review), and major agricultural commercial kitchens (Planning Commission review).

DRAFT

Section 74-612 – Agricultural education. This section permits certain existing buildings to be used for agricultural education, with review requirements based on the number of attendees. The section distinguishes between a minor facility (administrative review) and a major facility (Planning Commission review).

Board discussion and questions focused on:

- The Township cannot regulate anything regulated by GAAMPs. However, GAAMPs does not talk about health, safety, and welfare, or lighting, parking, hours of operation, etc. Those are the things the Township is regulating.
- New regulation is coming from the State regarding prohibiting farm markets from locating in a site condominium or subdivision. See <https://www.michigan.gov/mdard/-/media/Project/Websites/mdard/documents/environment/rtf/2025-GAAMPs/Farm-Markets-DRAFT-2025-GAAMPs.pdf?rev=9004f8dbef0547ac9d610a4067ddc948&hash=28D237E3ED36C2D8F1222323C57C1EE>
- Township ordinances may need to be updated as GAAMPs are updated.
- Again, GAAMPs only applies to farm stand operations. There are no GAAMPs for agricultural processing or food storage operations, or CSA or UPicks, or education.
- It is important to understand what authorities the Township has under the Right to Farm Act and GAAMPs.

Board members had several questions about this issue, and as Township Attorney Gabis had provided a confidential and privileged memorandum regarding these matters, at 8:18pm the following motion was made:

MOTION by Moghtader, support by Cacciari, that the Farmland and Open Space Preservation Board enter into Closed Session to discuss a confidential legal opinion from Township Counsel pursuant to the Michigan Open Meetings Act, Section 8(1)(h).

Roll call vote:

Ayes – Moghtader, Stiles, Cacciari, Allison, Kawsan

Nays – None

Motion passed 5-0.

There was no public in Township Hall. The two people attending remotely provided their email addresses so they could be notified when the Board returned to open session.

The Board entered Closed Session at 8:19pm. At 9:00pm the Board re-entered Open Session and the following motion was made:

MOTION by Allison, support by Moghtader, to re-enter Open Session.

Motion passed unanimously by voice vote.

At 9:00pm the following motion was made:

DRAFT

MOTION by Allison, support by Stiles, that the Farmland and Open Space Preservation Board enter into Closed Session to discuss a confidential legal opinion from Township Counsel pursuant to the Michigan Open Meetings Act, Section 8(1)(h).

Roll call vote:

**Ayes – Moghtader, Stiles, Cacciari, Allison, Kawsan
Nays – None**

Motion passed 5-0.

At 9:01pm the Board entered Closed Session.

At 9:24pm the Board re-entered Open Session and the following motion was made:

**MOTION by Allison, support by Cacciari, to re-enter Open Session.
Motion passed unanimously by voice vote.**

Supervisor O’Connell discussed the importance of effective communication between the Township and the farming community and discussed the potential role of the Farmland Board in addressing issues within the community.

Supervisor O’Connell proposed holding a separate meeting with the farming community to discuss ongoing issues and explore potential improvements. A policy statement could be constructed once discussions are concluded. The newly hired communications and grant writer could help with this effort. Perhaps an online survey could be offered, specifically targeting the farming community.

Supervisor O’Connell noted that there is also a need for educational initiatives to guide residents through the regulatory landscape, particularly concerning permits and other requirements.

A list of small farms within the Township could be compiled.

- V. Update on General Property Tax Act regarding tax assessments on conserved easements**
Postponed until next meeting.
- VI. Update on funding from the 2024 Regional Conservation Partnership Program**
Land Preservation Consultant Lonik discussed a proposal that was submitted by the Legacy Land Conservancy for the Federal Resource Conservation Partnership Program. The proposal requested nearly \$25 million in funding, with a portion of that money—approximately \$2 million to \$4 million—allocated to Ann Arbor Township. However, the final amount of funding that will be received is still uncertain, as the decision is expected later in the year.
- VII. Project Updates – Land Preservation Consultant Lonik**
Briefly overviewed project updates as listed in his July 20, 2024 memorandum.

DRAFT

VIII. Millage Renewal – was passed by BOT

Millage renewal will be on the November ballot.

IX. Buy-Protect-Sell Updates from AA Township Council and Greenbelt

None.

X. New FOSPB ByLaws for approval to present to BOT for approval

Member Allison presented an updated draft of the FOSPB ByLaws, which the Board discussed, suggesting several minor edits and revisions. Member Allison will bring a modified draft to the next meeting.

The Board discussed the suggestion that the FOSPB agenda and packet materials be made available prior to a meeting per the current practice used by the Board of Trustees and the Planning Commission: Agenda one week prior to the meeting, and materials distributed Thursday before the meeting. This schedule also gives time for Attorney review of the agenda.

XI. Matters Arising

Member Allison reported that the Board of Trustees approved the 100-acre donation from the Maple Ridge development. The 100 acres must be protected by a conservation easement.

Member Cacciari advised that the Washtenaw County Conservation District is hosting a "Coffee & Conversation" event at the Bayer property, 4700 Whitmore Lake Road, August 8th, from 9am to 11am.

XII. Closed Session

At 9:53 pm the following motion was offered:

MOTION by Allison, support by Cacciari, that the Ann Arbor Township Farmland and Open Space Preservation Board enter into closed session under Sec. 8(1)(d) of the Open Meetings Act, to consider the purchase of real property.

Roll call vote:

Ayes – Moghtader, Stiles, Cacciari, Allison, Kawsan

Nays – None

Motion passed 5-0.

The Board re-entered Open Session at 10:07pm.

MOTION by Moghtader, support by Cacciari, to re-enter Open Session

Motion passed unanimously by voice vote.

XIII. Adjournment

DRAFT

MOTION by Stiles, support by Kawsan, to adjourn the meeting.

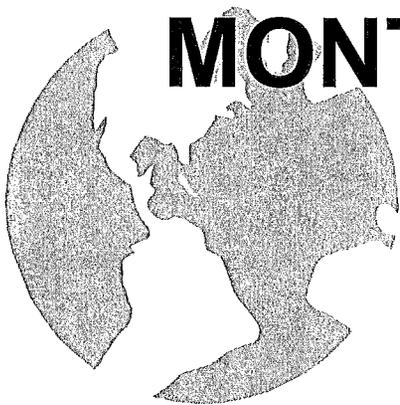
Motion passed unanimously by voice vote.

The meeting adjourned at 10:08pm.



Ann Arbor Charter Township

**UTILITIES
DEPARTMENT
MONTHLY REPORT**



July 2024

MAINTENANCE / PROJECTS

1. Water Samples to DEQ
2. Miss Dig Program
3. Sanitary Sewer Manhole Inspection
4. Working on Stop Box Cards
5. Weekly Generator Run Test
6. Locate and Fix Stop Boxes
7. Weekly Station Checks
8. GIS Updates
9. Mow Grass
10. Checked SCADA Alarms
11. Cleaned Stations
12. Cleaned Shop
13. Dump Truck Repair
14. Generator Maintenance
15. Fix Hydrant
16. Meter Billing
17. Working on Water Tank Updates
18. Mowing Sewer Easements
19. Serviced Tractor
20. Fixed Light at Shop
21. Replaced Water Meters
22. Soil Erosion
23. Clean Plymouth Path

MEETINGS – SEMINARS

1. **Lunch and Learn (Stantec)**
2. **Matt from EGLE Soil Erosion**
3. **MERS**
4. **Maple Ridge PWS**
- 5.

PLAN REVIEWS

1. **Maple Ridge PWS**
2. **Dixboro Trail**

TOPICS TO DISCUSS

- 1.
- 2.



WASHTENAW COUNTY OFFICE OF THE SHERIFF



JERRY L. CLAYTON
SHERIFF

2201 Hogback Road ♦ Ann Arbor, Michigan 48105-9732 ♦ OFFICE (734) 971-8400 ♦ FAX (734) 973-4624 ♦ EMAIL sheriffinfo@ewashtenaw.org

MARK A. PTASZEK
UNDERSHERIFF

August 12, 2024

To: Diane O'Connell, Ann Arbor Township Supervisor
From: John Cratsenburg, Lieutenant
Through: Keith Flores, Police Services Commander
Re: July 2024 Police Services Monthly Report

Monthly Numbers:

Calls for Service: 428
Traffic Stops: 54
Traffic Crashes: 6
Animal Complaints: 6
Citations: 20

Significant Incident:

24-51271 Death Investigation 300 Block of Village Green
Deputies were dispatched to a medical where a subject found their girlfriend unresponsive. During the investigation, it was learned that 54-year-old female had committed suicide inside of her apartment.
Open investigation.

24-55341 Death Investigation 400 Block of Hillspur Rd
Deputies were dispatched to a hospice death of a 90-year-old male with several terminal illnesses. No further information.

No other major incidents of note.

In/Out of Area Time:

Into Area Time: 20
Out of Ann Arbor Township – Collab: 1,397



ANN ARBOR TOWNSHIP MONTHLY POLICE SERVICES DATA

July 2024

JERRY L. CLAYTON
SHERIFF

Incidents	Month 2024	Month 2023	% Change	YTD 2024	YTD 2023	% Change
Traffic Stops	54	61	-11%	305	453	-33%
Citations	20	3	567%	52	65	-20%
Drunk Driving (OWI)	0	0	-	0	1	-
Drugged Driving (OUID)	0	0	-	1	0	+
Calls for Service Total	428	321	33%	2397	2297	4%
Calls for Service <small>(Traffic stops and non-response medicals removed)</small>	323	230	40%	1765	1623	9%
Robberies	0	0	-	1	0	+
Assaultive Crimes	0	0	-	1	6	-83%
Home Invasions	0	1	-	4	1	300%
Breaking and Entering's	0	0	-	1	0	+
Larcenies	1	0	+	14	9	56%
Vehicle Thefts	1	0	+	2	2	0%
Traffic Crashes	6	11	-45%	91	73	25%
Medical Assists	2	3	-33%	34	16	113%
Animal Complaints <small>(ACO Response)</small>	6	1	500%	39	7	457%
In/Out of Area Time	Month (minutes)	YTD (minutes)	+ = Positive Change - = Negative Change			
Into Area Time	20	636				
Out of Area - Collab	1397	9008				
Investigative Ops (DB)	1245	2205				
Secondary Road Patrol	0	5190				
County Wide	140	215				
Banked Hours	Hours Accum.	Previous Balance	Hours Used	Balance		
July - Collab						



Out of Area Time

For: 07/01/2024 thru 07/31/2024



Patrol Area	Reporting Area	Username	Location	Activity Category	Incident Number	Comments	Start Time	Duration in Minutes	Start Date
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLJ	E FOREST AVE/TWIN TOWERS ST	BACKUP DISPATCHED CALLS	240049722	ASSIST MSP - APPROV SGT PENNINGTON	03:45:00	15	7/1/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLD	WENDELL AVE	BACKUP DISPATCHED CALLS	240050552	BU YTOWN ON A FELONY DV. SGT PENNINGTON APPROVED.	20:30:00	15	7/3/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLD	BYNAN DR/GOLFSIDE RD	BACKUP DISPATCHED CALLS	240050833	BU Y TOWN ON A POSS SHOOTING. SGT ERBES APPROVED	18:30:00	20	7/4/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDNEDDOK	BYNAN DR/GOLFSIDE RD	BACKUP DISPATCHED CALLS	240050833	ASSIST YPT DEPUTIES ON REPORT OF A SHOOTING. APPROVAL TO ASSIST FROM SGT. BYNUM	18:30:00	30	7/4/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDMCGRADYP	BYNAN DR/GOLFSIDE RD	BACKUP DISPATCHED CALLS	240050833	assist w shots fired, sgt erbes approved	18:35:00	19	7/4/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDNEDDOK	WOODRUFF LN/APPLERIDGE ST	BACKUP DISPATCHED CALLS	240050928	REPORT OF INDIVIDUALS FIGHTING AND HAVING FIREARMS. APPROVAL TO ASSIST YPT DEPUTIES PER SGT. ERBES.	23:25:00	17	7/4/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDSAMAHAD	DUPONT AVE	BACKUP DISPATCHED CALLS	240052105	ASSISTED DEPUTY PHILLIPS WITH TRANSLATION WITH LT CRATS APPROVAL	16:35:00	40	7/8/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLO	WOBURN DR	BACKUP DISPATCHED CALLS	240053027	SGT ARTS APPROVED. RESPONED TO A FA ON WOBURN. I WAS IN THE AREA OF CLARK AND PROSPECT. HELD SCENE SECURITY UNTIL SGT ARTS ADVISED TO CLEAR SCENE.	18:00:00	20	7/11/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDNEDDOK	WOBURN DR	BACKUP DISPATCHED CALLS	240053027	BU YPSI TWP ON REPORT OF AN FA INVOLVING A KNIFE. APPROVAL TO ASSIST PER SGT. ARTS.	18:00:00	23	7/11/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDLECLAIRS	WOBURN DR	BACKUP DISPATCHED CALLS	240053027	SGT ARTS - BU FOR FA	18:05:00	20	7/11/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDBARABASF	WOODRUFF LN	BACKUP DISPATCHED CALLS	240053471	BACK YPSI TWP UNITS ON FULLY ENGULFED HOUSE ON FIRE. APPROVED PER SERGEANT ERBES	03:30:00	31	7/13/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDLECLAIRS	WOODRUFF LN	BACKUP DISPATCHED CALLS	240053471	OKAY PER SGT ERBES - FULLY ENGULFED HOUSE FIRE	03:30:00	10	7/13/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	SCIO TOWNSHIP	WDMCGRADYP	W HURON RIVER DR/N ZEEB RD	BACKUP DISPATCHED CALLS	240053543	assist w water rescue, sgt gebauer approved, canceled	11:18:00	27	7/13/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	SCIO TOWNSHIP	WDMCGRADYP	W HURON RIVER DR/N ZEEB RD	BACKUP DISPATCHED CALLS	240053563	assist w water rescue, sgt gebauer approved	12:56:00	64	7/13/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDLECLAIRS	APPLERIDGE ST	BACKUP DISPATCHED CALLS	240053701	DV WITH LARGE CROWD, OTHER UNITS REQUESTED OKAY PER SGT ERBES	21:45:00	20	7/13/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLJ	RAWSONVILLE I94 RAMP E/EB I94 ON	BACKUP DISPATCHED CALLS	240053750	ASSIST YPSI TWP WITH PURSUIT OF UDA - APPROV SGT ERBES	01:40:00	5	7/14/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLJ	WASHTENAW AVE	DISPATCHED CALLS	240053751	DISORDERLY - UTL - APPROV SGT ERBES - YPT UNITS TIED UP WITH UDA	01:45:00	20	7/14/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDLECLAIRS	RAWSONVILLE I94 RAMP E/EB I94 ON	BACKUP DISPATCHED CALLS	240053750	VAN BUREN PURSUIT OF UDA - ASSISTED WITH FEMALE SEARCH - OKAYED BY SGT ERBES	01:45:00	25	7/14/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLJ	INTERNATIONAL DR/GOLFSIDE RD	BACKUP DISPATCHED CALLS	240053753	ASSIST YPT WITH PBT - APPROV SGT ERBES	02:20:00	5	7/14/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDSAMAHAD	RUSSELL BLVD	BACKUP DISPATCHED CALLS	240053951	ASSISTED WITH TRANSLATION // SGT PENNINGTON'S APPROVAL	22:05:00	20	7/14/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDCLARKA	HOLMES RD	BACKUP DISPATCHED CALLS	240054092	bu Welfare Check, individual with warrants Sgt Houk approval	12:25:00	35	7/15/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDCLARKA	BYNAN DR	BACKUP DISPATCHED CALLS	240054690	BU Family Trouble Suspect with Warrants Sgt. Houk approval other units tied up	12:10:00	40	7/17/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDFARMERA	WOBURN DR	BACKUP DISPATCHED CALLS	240055004	Ypsi Twp Deputy advising they have two subjects that are obvious k, made the scene for security. Released after secure, ok per Sgt. Arts.	13:00:00	25	7/17/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDSIRIANNIJ	WASHTENAW AVE	BACKUP DISPATCHED CALLS	240054930	ASSIST YPT UNITS AT CUETER CHRYSLER FOR B&E / APPROVED BY SGT. GEBAUER	05:20:00	45	7/18/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDFARMERA	WOBURN DR	BACKUP DISPATCHED CALLS	240055004	Assisted Deputies with unattended death until they were secure on scene. Ok per Sgt. Arts.	13:00:00	25	7/18/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLJ	W MICHIGAN AVE/S MANSFIELD ST	BACKUP DISPATCHED CALLS	240055527	Assist on Fatal pdc - Suspect Transport - Approv sgt Williams	02:00:00	265	7/20/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDTRIPPB	W MICHIGAN AVE/S MANSFIELD ST	BACKUP DISPATCHED CALLS	240055527	ASSIST YPSILANTI TOWNSHIP UNITS WITH FATAL CRASH SCENE; PROVIDED FIRST AID FOR VICTIM; SCENE SECURITY; PER SGT WILLIAMS	02:05:00	70	7/20/2024
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHILLD	W MICHIGAN AVE/S MANSFIELD ST	BACK-UP TRAFFIC STOP	240055527	ASSIST YTOWN ON A CRASH WITH DEATH. SGT WILLIAMS APPROVED	02:10:00	111	7/20/2024
ANN ARBOR-						RFS. TAGS EXPIRED/ PASSENGER WARRANT ARREST. UNAVOIDABLE			



Into Area Time Ann Arbor TWP

For: 07/01/2024 thru 07/31/2024



Patrol Area	Reporting Area	Username	Location	Activity Category	Incident Number	Comments	Start Time	Duration In Minutes	Start Date
YPSILANTI TWP	ANN ARBOR TWP	WDOGERWIGB	MULBERRY WOODS CIR	BACKUP DISPATCHED CALLS	240055995	assisted ann arbor/superior deps with a possible B&E in progress w/ suspect still on scene // ok per sgt bynum	23:25:00	20	7/21/2024
							Sum:	20	



Memo

To: Ann Arbor Charter Township Board
From: Mark Nicholai – Fire Chief
Cc: N/A
Date: August 16, 2024
Re: Purchase Request – Replacement Structural Firefighting Gear

The fire department is requesting to purchase replacement structural firefighting gear. While conducting fire suppression operations at a commercial building fire in March of this year, the gear came into contact with a product that reduces the protective qualities of the fabric, thus making it unusable for our members.

The Township has received a check from the business's insurance company by way of the Green Oak Township Fire Department in the amount of \$45,875 to purchase the replacement gear.

The seven sets of structural firefighting gear (coats and pants) were specified through Sourcewell (MES Sourcewell Contract Number – 010424-MES), which is a cooperative purchasing program. The purchase price for seven sets would be \$30,751.84.

I recommend that the Board authorize the replacement gear purchase from Municipal Emergency Services in the amount to not exceed of \$30,900, the additional funding request is to cover any necessary shipping charges.

Mark A. Nicholai

Fire Chief

ANN ARBOR CHARTER TOWNSHIP
FIRE DEPARTMENT
JULY 2024 - TOWNSHIP BOARD REPORT





Fire Department Activity Report for July 2024

INCIDENTS:

- Vehicle Fire 1
- Smoke Scare 2
- Fire Alarm 6
- Haz-Mat/Gas Leak/CO 1
- Station Coverage 1
- EMS 49
- MVC w/injuries 11
- PDC 10
- Extrication/Tech Rescue 1
- Canceled before Arriving 12
- Good Intent 7
- Service Call 2

The department responded to a total of 103 incidents during the period.

During the month of July, the Ann Arbor Township Fire Department provided mutual aid nine (9) times, and received mutual aid assistance five (5) times.

PAID-ON-CALL (POC) STAFF ACTIVITY:

The department responded to 103 incidents during the month of July, and of those 103 incidents, paid-on-call staff responded to 76 incidents. This represents one or more paid-on-call firefighters responding to 74% of our dispatched incidents.

RECRUITMENT / RETENTION:

The department currently has four applicants for paid-on-call firefighter positions that are in various stages of the hiring process and one additional candidate has been given a conditional job offer.

TRAINING / EVENTS:

On July 1, 6, 8, 11, 13, 14, 20, 21, 22, 25, 27, and 29, fire department trainees attended the Ann Arbor Township Fire Department Fire Academy. The following topics were presented:

- ❖ Public Relations and Fire Prevention
- ❖ Firefighter Survival
- ❖ Vehicle Extrication
- ❖ Scenarios
- ❖ Live Fire Training
- ❖ Fire Suppression Techniques and Operations

❖ Salvage Operations

❖ Overhaul Operations



On July 15 through July 19, as part of a countywide initiative, Chief Nicholai completed the Blue Card Incident Command Train-the-Trainer program.



On July 23, fire department members attended training. This training was an approved State of Michigan EMS Continuing Education training program. Members were instructed on various Washtenaw / Livingston County Medical Protocol changes.

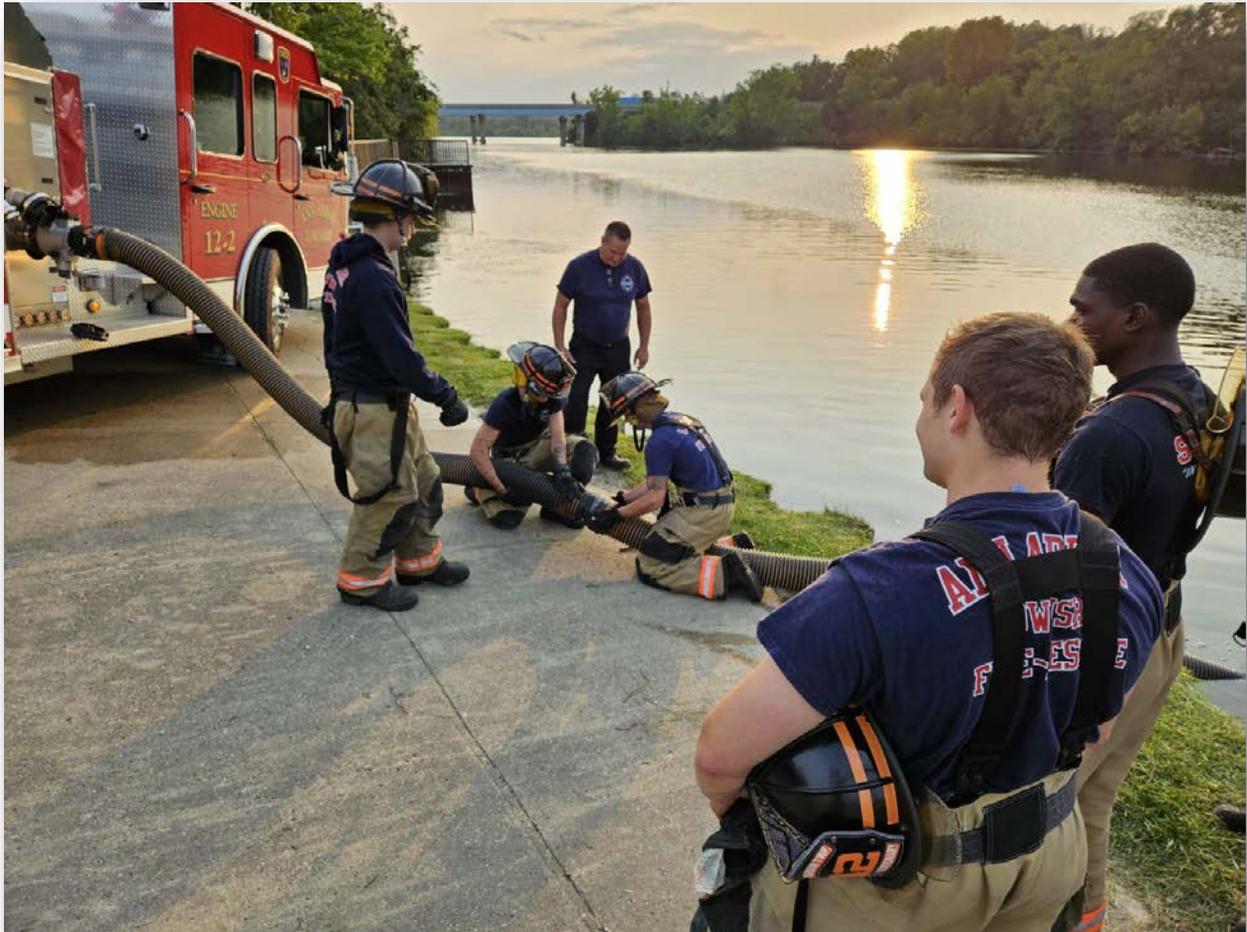
On July 27, fire department academy cadets, and department members participated in a live fire training in South Lyon. Members performed search and rescue, ventilation, and fire attack evolutions in live fire conditions.



On July 30, fire department command officers attended a command staff meeting.

On July 30, firefighters attended weekly training. Training was conducted on firefighter rescue techniques and use of the emergency air system, which would be utilized to provide breathing air to firefighters who become trapped in a structure with limited air supply.

On July 31, probationary firefighters attended training. Members were trained in drafting operations.



On July 31, newly hired fire department trainees attended their first orientation session. The recruits were issued personal protective equipment and were instructed on the department's orientation and training program.

DEPARTMENT NEWS:

Sgt. Jim Pastorino has announced his retirement from the Ann Arbor Township Fire Department effective September 6, 2024. Sgt. Pastorino was first employed by the Ann Arbor Township Fire Department as a paid-on-call firefighter in 1985, was promoted to fulltime status in 1992, and was later promoted to fire department sergeant in 1999.

Sgt. Pastorino is a well-known and respected member of this department. His reputation of being calm while under pressure is only overshadowed by his genuine concern for others, and his good heart. I would like to congratulate Sgt. Pastorino on his retirement and wish him a long and healthy retirement, and would like to thank Sgt. Pastorino for his dedicated service.

APPROVAL REQUESTS:

Please see the request to purchase replacement structural fire personal protective equipment (PPE).

Respectfully Submitted,

Mark A. Nicholai

Fire Chief

BUILDING REPORT

July 2024

Permit Record Type Totals	Records	Revenue	Records	Revenue
Building	17	4,305	112	47,158
Electrical	9	2,894	109	23,574
Mechanical	10	1,297	101	17,525
Plumbing	4	1,036	31	6,268
ZONING-LAND USE	2	150	5	300
Fence Permit	-	-	8	420
Sign Permit	-	-	1	160
Special Event	7	700	13	1,100
Total	49	10,382	380	96,504

Building				
Ann Arbor Township	17	3,605	103	39,881
Barton Hills	-	700	9	7,477

Electrical				
Ann Arbor Township	9	2,894	99	21,428
Barton Hills	-	-	10	2,146

Mechanical				
Ann Arbor Township	9	1,147	88	15,500
Barton Hills	1	150	13	2,025

Plumbing				
Ann Arbor Township	4	836	29	5,608
Barton Hills	-	200	2	660

ZONING-LAND USE				
Ann Arbor Township	2	150	5	300
Barton Hills	-	-	-	-

Fence Permit				
Ann Arbor Township	-	-	7	360
Barton Hills	-	-	1	60

Sign Permit				
Ann Arbor Township	-	-	1	160
Barton Hills	-	-	-	-

Special Event				
Ann Arbor Township	7	700	13	1,100
Barton Hills	-	-	-	-
Total	49	10,382	380	96,504