



**AGENDA**  
CHARTER TOWNSHIP OF MERIDIAN  
TOWNSHIP BOARD – REGULAR MEETING  
July 12, 2022 6:00 PM

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1. CALL MEETING TO ORDER
  2. PLEDGE OF ALLEGIANCE/INTRODUCTIONS
  3. ROLL CALL
  4. PRESENTATION
    - A. Police Officer of the Year-Chrissy Scaccia
    - B. Township Semi-Annual Report
    - C. Municipal Employees’ Retirement System (MERS) 2021 Actuarial Report
  5. CITIZENS ADDRESS AGENDA ITEMS AND NON-AGENDA ITEMS
  6. TOWNSHIP MANAGER REPORT
  7. BOARD MEMBER REPORTS OF ACTIVITIES AND ANNOUNCEMENTS
  8. APPROVAL OF AGENDA
  9. CONSENT AGENDA (SALMON)
    - A. Communications
    - B. Minutes-June 21, 2022 Regular Meeting
    - C. Bills
    - D. Ratification of New EMT/Firefighter Appointment
  10. QUESTIONS FOR THE ATTORNEY
  11. HEARINGS (CANARY)
    - A. Mixed Use Planned Unit Development #22-014-1621 & 1625 Haslett Road-Haslett Village Square
  12. ACTION ITEMS (PINK)
    - A. Ordinance 2022-10 – Decks in Planned Unit Developments-**Final Adoption**
    - B. Ordinance 2022-11 – Municipal Signage-**Introduction**
    - C. Planned Unit Development #22-014 – 3560 Hulett Road – Giguere Homes – **Set Public Hearing**
    - D. Police Department Ordinance Amendments and Additions-**Introduction**
    - E. Resolution to Authorize Issuance of General Obligation Unlimited Tax Bonds
  13. BOARD DISCUSSION ITEMS (ORCHID)
    - A. 1442 Haslett Road Boundary Correction Proposal
    - B. Ordinance 2022-08 – Traffic Impact Study Standards
    - C. Ordinance 2022-12 – Refuse/Storage Container Regulations
    - D. Prospective resolution to the Legislature and Governor regarding local control under the Michigan Fireworks Safety Act
  14. COMMENTS FROM THE PUBLIC
  15. OTHER MATTERS AND BOARD MEMBER COMMENTS
  16. CLOSED SESSION - Motion to go into closed session to discuss a proposed settlement agreement regarding the Winslow Mobile Home Park
  17. ADJOURNMENT
- 

All comments limited to 3 minutes, unless prior approval for additional time for good cause is obtained from the Supervisor. Appointment of Supervisor Pro Tem and/ or Temporary Clerk if necessary. Individuals with disabilities requiring auxiliary aids or services should contact the Meridian Township Board by contacting: Township Manager Frank L. Walsh, 5151 Marsh Road, Okemos, MI 48864 or 517.853.4258 - Ten Day Notice is Required.

Meeting Location: 5151 Marsh Road, Okemos, MI 48864 Township Hall  
Providing a safe and welcoming, sustainable, prime community.





**To: Board Members**

**From: Frank L. Walsh, Township Manager**

**Date: July 1, 2022**

**Re: Manager's Semi-Annual Report**

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On behalf of the Meridian Township M-Team, I'm pleased to present the 2022 Semi-Annual Report of activities. The past six months have been at times very challenging, yet at the same time very rewarding.

The highlights include the recruitment of a new Finance Director/CPA, the potential development in Haslett, the announcement of Trader Joe's construction in Meridian, the return of Celebrate Meridian, earning an unqualified (clean) 2021 Audit, the appointments of Supervisor Jackson, Trustee Hendrickson and Trustee Wilson, the extensive effort with the Daniels Drain, continuing our efforts with new community signs, managing the massive water main break and Boil Water Notice, the addition of our new Project & Operations Director, our Juneteenth Celebration, earning our highest ever funding position with MERS and taking the initial steps to overhaul our outdated IT Infrastructure. Our team is committed to providing unparalleled customer service. We will provide a brief overview of the Report at the Board's July 12 meeting.

After reviewing the document, please let me know if you have any questions.

## ASSESSING

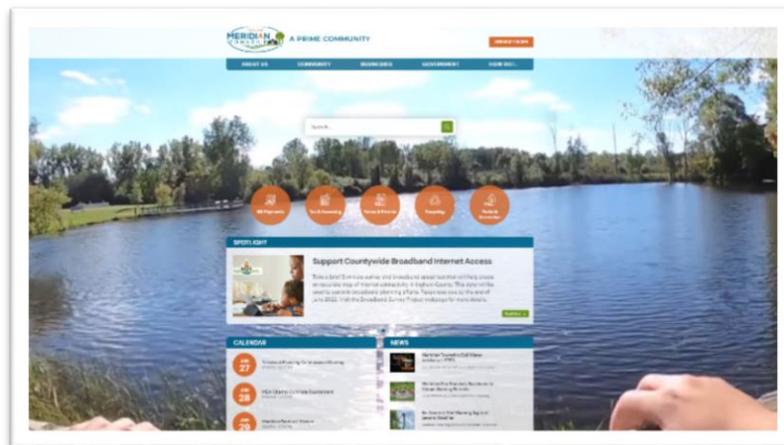
The Township's Board of Review has completed their meetings required by statute. The March meeting is an opportunity for property owners to appeal their assessment and apply for property exemptions. The Board of Review also meets one day in July and one day in December. The purpose of these meetings is to correct specific errors relative to the assessment of property and consider exemptions for poverty and veterans.

Efforts are continuing to defend and resolve appeals to the Michigan Tax Tribunal. The value in contention for pending appeals remains a low percentage of the Township's overall taxable value. Currently, four Michigan Tax Tribunal (MTT) appeals remain to be resolved for 2021. Efforts will be made to determine which of the pending cases can be resolved without a trial and which, if any, may need to be defended at trial. The 2022 appeal deadline has not yet occurred for all property classes; appeals will be received by the Township into the summer months.

The department has resumed the intern program, hiring two temporary staff members to assist with reappraisals this year. The reappraisal is currently focused on Hillbrook, Oak Grove and Ottawa Hills neighborhoods, roughly 360 parcels. Property owners are mailed questionnaires, the interns update photos, confirm structure measurements and note any changes since the previous inspection. This process allows us to ensure our assessment process is accurate and equitable, in addition to the work done by our full time appraisers.

## COMMUNICATIONS

### Meridian Township Website

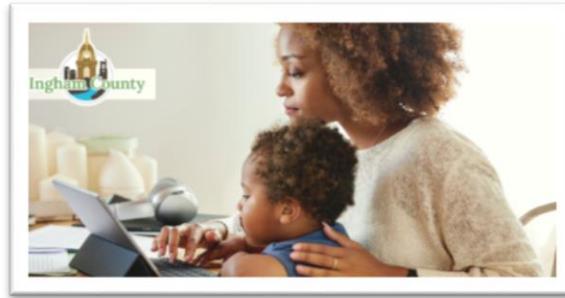


The Communications Department continues significant design and content revisions to the Township website with a deliberate effort to improve search engine optimization (SEO), accessibility, mobile friendliness as well as introduce new features and use of live web forms. Encouraging additional use and strengthening awareness of the Township web features is a goal of the Department. The reimplementations of QR Codes in print marketing materials have been successful in redirecting traffic to information on the Township website.

### Town Hall Room A/V Upgrades Project

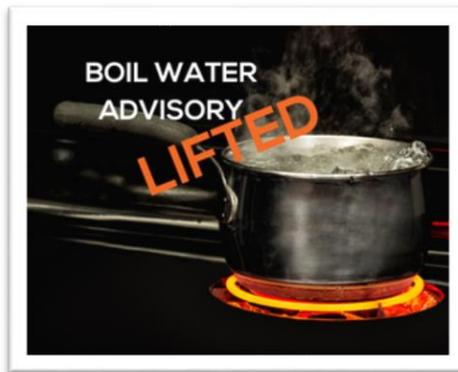
The purchase orders have been finalized and equipment for the Town Hall Room A/V Upgrades Project has been ordered. Due to supply chain issues, equipment is anticipated to arrive mid to late summer. The project install is slated for between the 2022 Primary and General Elections, tentatively September 2022. Smart Homes/Smart Offices engineers met with the electrical vendor, HR Electric LLC, to finalize the electrical work needed before all the new equipment is installed. The electrical work was completed at the end of May.

## Broadband



The Ingham County Board of Commissioners have committed a portion of the County's American Rescue Plan (ARP) funds to surveying residents and businesses to identify gaps in internet service. The Ingham County Broadband Task Force has partnered with Merit Network to create a survey to gather this valuable information. The survey launched on April 4. The Communications Department has created a broadband webpage, shared the information and will continue to promote the survey across our platforms to encourage Meridian Township residents to participate. Responses to the survey were due on June 3, 2022 and have been extended through the end of June or until the goal number of surveys have been reached.

## Marketing & Communications



The Communications Department worked with Administration and Department of Public Works staff on the release of emergency communications regarding the Boil Water Advisory issued on June 23 and lifted on June 25. Emergency communications efforts included website updates (emergency notification banner, news items & eNotification emails), Constant Contact digital newsletters (Meridian Happenings), HOMTV emergency notification TV crawl, press releases, media relations, and social media postings. Staff responded to multiple emails, social media and NextDoor comments during the Boil Water Advisory.



The Communications Team continues with the creation of marketing campaigns for Township events, department services and recruitment. These campaigns include press releases, event signage, pre-event signage, social media promotions, video promos, digital paid ads and website pages. The most recent campaigns include the Meridian Freedom Fest Honoring Juneteenth, Celebrate Meridian Festival and the 2022 Primary Election. Other promotions include department recruitment ads, flyers and signage.



As part of the year-long Wetland Education Campaign (#BuildBacktheBuffer), the Communications team continues sharing information about wetlands in the Township across multiple platforms. Recently, a Contractor Notice Flyer and Resident Notice Flyer was created to be mailed out. The purpose of the fliers was to remind residents of the Wetland Ordinance and what can and cannot be done near a wetland buffer.

Staff is excited to announce that Social News Desk, the Communications Department’s social scheduling provider, has added the LinkedIn platform. This allows for streamlined posting and scheduling on an additional social media account.

### **HOMTV Operations & Equipment**

Multimedia Production & Operations Specialist Diehl and local broadcast engineer continues to trace and label the cables in the HOMTV Server Room. In preparation for the Town Hall Room A/V Upgrades Project to take place in fall 2022, new schematics were created outlining the cables and ports from the Town Hall Room to the HOMTV Control Room to identify any issues before new equipment is installed.

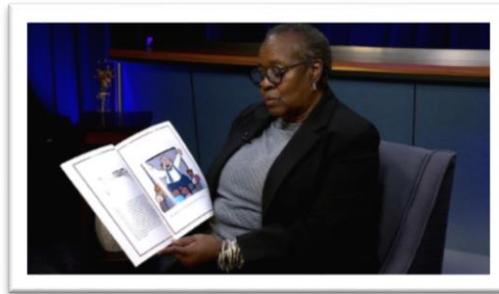
Staff has met with Comcast representatives to upgrade HOMTV’s internet bandwidth to improve streaming capabilities needed to produce live productions. A higher-level plan has been identified to allow for productions, including Township meetings, to once again be streamed on the HOMTV channel, website, YouTube and Facebook. Currently the quality of the video live streams have been impacted by slower internet speeds.

### **HOMTV Programming & Internship**

In 2022, HOMTV has started taking a different approach to storytelling. Instead of traditional news packages or longer format videos, staff has been utilizing creative storytelling techniques. This means that the videos are shorter format, anywhere from 30 seconds to 2 minutes, and are mostly shared on social media and includes graphics and music. The reason this change has been implemented is to better engage with the audience and to reach more viewers. Studies have shown that long format videos are not keeping the attention of viewers, especially while scrolling on social media. Staff learned the importance of these type of videos and examples of other stations implementing this approach by attending multiple video production webinars conducted by industry professionals.



Staff has contracted with a drone pilot to capture video footage and photos around Meridian Township during the summer and fall seasons of 2022. The drone video and photos will be utilized in upcoming promotional videos, social media posts, HOMTV programs/stories and publications. The most recent drone video is of the new Meridian Township logo painted on the North Water Tower.



As part of the Meridian Freedom Fest celebrating Juneteenth, HOMTV staff recorded a special video with Supervisor Patricia Herring Jackson. She read the book “Juneteenth – Celebrating Freedom”, which was written by Ingham County resident Julian Van Dyke. In addition to the storybook recording, HOMTV staff will be recording the Juneteenth Community Forum Discussion on June 19. This will be edited and scheduled for playback.

Staff is working with the Clerk’s Office to ensure “Your Choice 2022” election programming will help Meridian Township residents be aware of the upcoming 2022 election information, candidates and ballot proposals, as well as precinct and district changes in the Township. Primary election programs will begin in July.

The spring 2022 semester of the HOMTV Internship Program consisting of 5 interns ended on May 6. The summer 2022 semester began on May 16 with 3 new interns. Interns continue to be a valuable asset to the community by providing local news and information through interviews, programs, news stories, online articles, promos, meeting crew and more. Staff is working on revising the structure of the HOMTV Internship Program to attract more prospect interns to apply.

## **COMMUNITY PLANNING & DEVELOPMENT**

After a record setting year for construction activity in 2021, the beginning of 2022 has started at a slightly slower, but still heightened pace. The Building Division has seen an uptick in the number of single-family homes under construction and commercial construction is beginning to pick up. The 2021 work of the Planning Division is coming to fruition, with the Sparrow project on Jolly Road nearing completion, the Hypershine car wash on Grand River well underway, and the Trader Joe’s building starting construction. Code Enforcement continues to keep our focus on the Winslow Mobile Home Park, while addressing other issues, including tall grass complaints, which are up nearly 30% over last year. We expect the remainder of the year to be as busy as the first half, with the Master Plan update kicking off, several Brownfield Plans coming to fruition, and construction commencing on some long-awaited projects.



**With the support of the Planning Commission, Township Board, and residents, formulate a process to update the Township's 2017 Master Plan.**

Staff has begun the process of formulating a plan to present to the Planning Commission and Township Board and this will be the focus of our work for the remainder of the calendar year until completion of the plan.

**Develop a policy, criteria, and procedure for expanding both permanent and temporary public art installations within the Township.**

Directors Clark, Maisner, and Schmitt and have begun discussing how best to promote art within the community. We will continue to work on this goal to bring forward a plan to improve art within the Township, as we have several ideas of how to begin implementing things on a smaller scale, before putting together a broad policy and programming around art.

**Continue to seek a commonsense approach to broaden our affordable housing opportunities.**

This is a very difficult issue, especially in light of the macroeconomics of the global economy. However, there are some things that we can do locally to provide more options and Staff is beginning to prepare some options for discussion. Some initial thoughts on potential changes include allowances for accessory dwelling units (which the City of East Lansing is also taking up), elimination/reduction of minimum unit sizes (which can scare off smaller projects), and changes in parking requirements, which would reduce development costs and incentivize more units, which should bring costs down. There is no single answer that is going to solve this problem, and frankly, the best answer is a regional approach, but we will begin to push locally towards some solutions.

**Create consistent enforcement of our wetland ordinance.**

Staff continues to investigate every claim of wetland impact that we receive, between Code Enforcement and

Engineering (for Soil Erosion purposes). We resolved the fill issue that occurred around Lake Lansing late in 2021 earlier this year. To date this year, we have only had one issue brought to our attention, where a contractor placed fill in a small area of wetland and then walked away from the job, leaving the homeowner in a bad position. With the assistance of our consultant, we were able to confirm that only a small area of wetland was impacted and created an easy to implement restoration plan that a new contractor is now putting into place. We continue to raise the issue of wetlands and buffers with every new construction project that is near any known wetland.

**Consolidate the number of Single-Family Residential and Multiple-Family Residential zoning districts.**

The Township Board approved, after a unanimous recommendation from the Planning Commission, the elimination of the RRR Zoning District earlier this year. Staff has prepared a second change to eliminate another single-family zoning district, which we will be bringing to the Planning Commission in July for initial discussion. After this amendment, future changes will become much more complicated, due to the fragmented nature of our current Zoning Ordinance. Staff is working through a strategy to continue to streamline things for residents and builders, where possible.

**Review the Existing Land Use Map and patterns in the Township in preparation for the Master Plan update.**

Staff has met with the Planning Commission subcommittee to focus on specific areas in preparation of the Master Plan update this fall. Additional meetings are expected, allowing the Planning Commission to have some areas of focus at the start the Master Plan update.

**Determine the best approach for implementation of Form Based Code principles in the West Grand River Avenue corridor.**

Staff continues to research this issue to be able to make a recommendation if a Form Based Code is workable for this area and how we could implement it, or if there is an alternative ordinance structure that will move us towards the design goals we are looking for in the Township.

**Kick off the 2022 update to the Township's Master Plan for Land Use.**

Staff continue to work towards a kickoff in the second half of the year for the Master Plan for Land Use update. We expect to have a request for proposals on the street shortly for the public input piece of the process and intend on preparing the update in house, using the input gained through the use of an outside consultant.

**Continue to work with both the City of Mason and the City of East Lansing on process improvements relating to all building permits.**

Staff has met regularly with both Mason and East Lansing and are implementing additional changes to further improve our shared workload. Our access to Mason records should be full-time/real-time, with changes being made by our IT department, in conjunction with their systems. Additionally, we have closed out a substantial portion of Mason's backlogged/expired permits where inspections had not been called in by the homeowner or contractor. With East Lansing, we meet in person quarterly to discuss specific issues, most recently about scheduling conflicts. We are moving towards full-time/real-time access for the East Lansing inspectors, but are working through IT issues at the City. After this year, we hope to transition this goal to become a regular part of our work, to make sure that everything is running as smoothly as possible.

**Investigate the potential of going completely paperless for all permitting.**

Staff has been working on this for much of the year and we will be prepared with a budget request for 2023 to implement an online permitting system for the Building Division. The Planning Division has largely been able to go paperless, for any applicant that is able to submit in that way, while leaving a paper option available for some applicants. We hope to be completely paperless in 2023.

**Update the standards of review for the Zoning Board of Appeals to be more in line with the State enabling legislation.**

In May, the Township Board, after a unanimous recommendation from the Planning Commission, approved the changes to the Zoning Board of Appeals standards of review. The ZBA has used these new standards at two meetings and it has substantially streamlined their work and decision making.

**Complete Meridian Township’s recertification in the Redevelopment Ready Communities program.**

Staff continues to work on this item, through the other work we are doing. This includes:

- The upcoming Master Plan for Land Use update
- The Capital Improvement Plan, which Planning Staff is completely overhauling this year to be more forward looking
- Annually reviewing our fee schedule (see below)
- The Planning Commission Annual Report

We will continue to work on these items and several other items that will require Township Board approval, in advance of our recertification deadline of November 2023.

**Update all applications, forms, and fees that the Department utilizes.**

As mentioned previously, Staff is beginning our annual fee review, to determine if any changes need to be made for the upcoming year. In 2021, we recommended only minor changes to the fees. Along with the fees, we are planning on reviewing all applications and forms later this year, to make updates as necessary and ensure that we are meeting all brand standards for the Township. After this year, we hope to transition this goal to become a regular part of our work, to make sure that everything is always as up to date as possible.

**Modernize Vehicular Parking Standards for new developments in the Township.**

Staff has started research on this item, which will be a major overhaul to the Zoning Ordinance, but one that is warranted at this time. We plan on bringing an amendment to the Planning Commission by the end of the year for discussion.

**ECONOMIC DEVELOPMENT**

**External Activities**

The Meridian Area Business Association (MABA) Annual Golf Outing was a hit on June 10<sup>th</sup> with a sponsorship from the Meridian Economic Development Corporation (EDC). MABA supports the Haslett Robotics Clubs, small business awards, local community projects and of course small businesses.

Amber Clark, LuAnn Maisner, Ashley Winstead and Melissa Massie will make up a Rotary golf team for this Annual Golf Outing. We will meet with the community June 27<sup>th</sup> and show our support.

Conversations and Coffee is a program run by the MSU Foundation to allow for small business owners to intersect with government and other organizations that can support their vision. We will start to attend to better network the community with available resources.

The following businesses have recently opened their doors:

- Click Pawsitive Pet Clinic
- Reborn Kicks
- Premier Martial Arts
- Evergreen Vet Clinic
- Nothing Bundt Cakes
- King Pho Vietnamese



The following are businesses that will open soon:

Evergreen Vet Clinic and Animal Rescue

Icy Dental

Joes on Jolly

Haslett Marathon

Wild West Tobacco-Haslett

King Pho Vietnamese Restaurant



### **Haslett Road Development**

The business operator Redico, a well-known senior community property management firm will take over ownership of the Haslett Road development site in 2022. Redico will be the primary operators of the community and have elected not to demolish the 1655 Haslett Road (old L&L grocery store). They have also elected to change the project name from Pine Village to “American Homes Meridian” to align with the other communities operated by Redico.

Discussion with CATA continues as we pursue the requirement of the developer to place a CATA transit shelter and stop near the Haslett development complex site. CATA has requested the stop to be included inside the 1673 Haslett Road project site. This will allow CATA to continue the current service provided to the Haslett residents.

A demolition application was picked up by the general contractor for the 1673 Haslett Road Project. Conversations with Redico the new operator, indicate a new project name and new ownership of the property to come soon. We will be seeing demolition within 30 days and construction to follow soon after. Gas connection was shut down by Consumers Energy June 13<sup>th</sup>. Additional items are being concluded on the checklist to commence demolition. We hope for demolition prior to the week of July 5<sup>th</sup>.

### **Village of Okemos Development**

The Village of Okemos Development Project must continue the forward momentum on the project to ensure the grant and loan issued by Michigan Department of Environment, Great Lakes, and Energy (EGLE) remains available for use. For the project to remain eligible for the approved grant and loan, the developer must begin site demolition work by the end of 2022. The Township Board approved the use of the Meridian Redevelopment Fund (MRF) for about \$3.3M for infrastructure improvements in the public right of way. Staff are working with the Meridian Township legal team to draft an agreement to be made between the developer and the Township in support of how the funds will be used. The developer submitted a Brownfield Plan that was approved by the Brownfield Redevelopment Authority (BRA). The Township Board will see the plan before the end of summer to approve the final plans.

On May 31<sup>st</sup>, the Revitalization and Placemaking Grant was submitted by the Village of Okemos Development Team to the Michigan Economic Development Corporation (MEDC) by the intended deadline. Meridian Township staff assisted in the creation of a strong application to support a workforce housing development. The application requests the total \$5M grant from MEDC to support 80-120% AMI clients to find affordable housing in Meridian Township.

Consumers Energy (CE) is a major player in the approvals for the Village of Okemos Project related to the high voltage wire burial. Our Department is working to get the teams aligned and have a plan for relocation or burial from CE that is feasible.

**Business Retention Program**

Small Business Week was the first week in May with Small Business Month as a month to build awareness of our startup businesses. Meridian is a host to a small business incubator with the capacity to build new high paying jobs in our community. For this week we submitted items for small business owners to use to build their businesses and continue to promote our small startups. The businesses in the Van Camp building were strongly promoted.



**Match on Main Meridian**

We are happy to report the Match on Main Meridian has an interested business owner in the Downtown Development Authority (DDA). Keller Williams of Okemos may be looking to do some work on the property and could use the Match on Main Program! Details to come.

**FINANCE DEPARTMENT**

**New Finance Director**

On May 16<sup>th</sup>, we welcomed our new Finance Director, Amanda Garber. Amanda brings 10 years of experience as a Certified Public Accountant (CPA) and Municipal Finance Director.



**2021 Township Audit**

The annual audit has been presented and approved by the Board. All the required filings have also been submitted to the State of Michigan and other various agencies.

**Utility Billing**

Utility Billing (UB) is working short staffed with a maternity leave. We have a temporary worker that started on Monday, June 13<sup>th</sup> and is assisting the UB Department during the maternity leave.

**Pension**

Finance has received the actuarial report on the pension plan held with Municipal Employees’ Retirement System (MERS). The Plan is 72% funded as of December 31, 2021.

**Township Awarded Excellence in Financial Reporting**

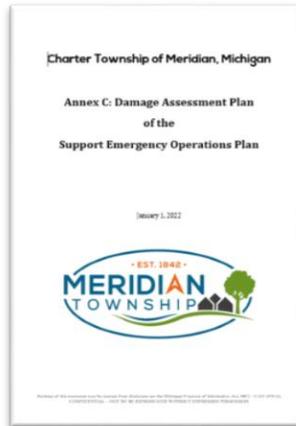
The Government Finance Officers Association of the United States and Canada (GFOA) awarded the 2020 Certificate of Achievement (COA) for Excellence in Financial Reporting to Meridian Township.

The Certificate of Achievement is the highest form of recognition in the area of governmental accounting and financial reporting. When a Certificate of Achievement is awarded to a government, an Award of Financial Reporting Achievement (AFRA) is also presented to the individual or department designated as primarily responsible for earning this honor.

**FIRE DEPARTMENT**

**Damage Assessment Plan**

The Damage Assessment Plan was presented to the Township Board earlier this year and has been approved. In March, the damage assessment team attended a two-hour training session. Forms have been developed. The next phase is training first responders on how to complete damage assessment “Windshield Surveys.”



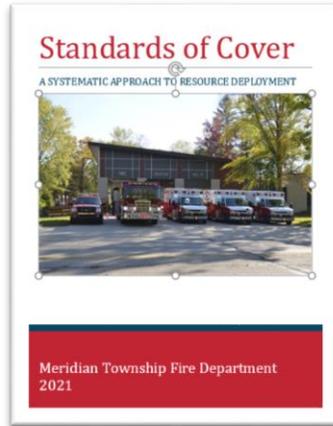
**Township Continuity of Operations Plan (COOP)**

The COOP plan is still under development. The Main Plan is complete; functional and support plans are still being developed.



### Standard of Cover Document

The department’s Standard of Cover document was started in late 2021 and is progressing on schedule. Additional research along with greater expansion on the main topics is expected throughout the rest of 2022.



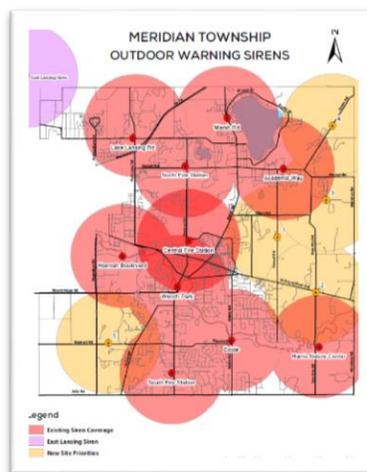
### Fire Department Strategic Plan

The orientation for this process has been developed and is under review. A committee will be formed in early summer to work through the Strategic planning process.



### Emergency Siren Project

The installation of the eleventh outdoor warning siren is being finalized with West Shore. The siren will be located at the intersection of Hagadorn Road and Bennett Road. The remaining four sirens will be installed on Cornell Road, Grand River and Van Atta, Green Road, and Tihart.



## Recruiting and Succession Planning

Recruiting and retention processes are continuing to be evaluated to ensure that the right employees are hired and will fit in well at the Meridian Township Fire Department. Over the past year, EMT/firefighters, paramedics, and firefighters have been hired part time and were sponsored to EMT, paramedic, and firefighter training.



The Department is currently sponsoring one individual, Brandon Curling, to EMT school, with the intent to send him to paramedic school in the fall of 2022. The goal is to hire Brandon full-time in January 2023 and fill a vacancy at that time.

The Department currently has 33 firefighters and is seeking qualified candidates to fill one vacancy. Working with Lansing Community College and Ascension Hospital, the Department has been recruiting paramedic students and EMTs to fill this vacancy along with three additional vacancies (two in January 2023 and one in June 2023). Four students have been interviewed thus far. This process will likely include sponsoring up to four individuals to paramedic school in the fall.

Two promotional processes have been completed in 2022 to fill a June Captain vacancy and two Battalion Chief positions in January 2023. Two Captains will be promoted to Battalion Chief in January, so a second Captain promotional process will occur in September to fill those positions.

### 2022 Retirements:

- Bill Richardson, Captain (6-22-2022)
- Bill Priese, Training/EMS Chief (4-1-2022)

### 2022 Promotions:

- Samantha Weber, promoted from Firefighter to Lieutenant (6-23-2022)
- Chris Johnson, promoted from Lieutenant to Captain (6-22-2022)
- Bob Caretti, promoted from Firefighter to Lieutenant (3-14-2022)
- TJ Booms, promoted from Lieutenant to Training/EMS Chief (3-7-2022)

### New Hires:

- Timothy Brighton (4-4-2022)
- Mike Weber (2-14-2022)
- Jared Gentner (2-7-2022)

## Apparatus Update

Across the country, supply chain and staffing issues have caused many delays in the build time and delivery of new vehicles. Updated delivery dates for Fire Department ordered vehicles:

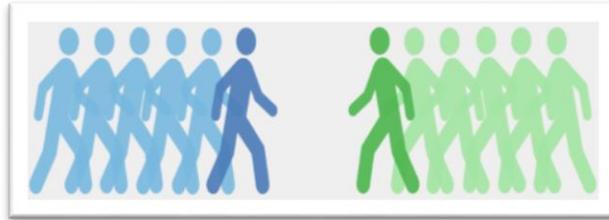
- 2020 ladder is scheduled for delivery in August 2022.
- 2022 ambulance chassis has been delivered to Braun as of June 22, 2022. Braun has estimated a delivery date of October 2022.
- 2022 command vehicle has been built by Ford as of June 22, 2022. An estimated delivery date is pending.

- 2023 pumper was ordered in December 2021 due to anticipated delivery delays and an increase in cost to order later. The estimated savings from purchasing early is approximately \$150,000. Currently, the build time for this pumper is 21 to 24 months with delivery expected in late 2023.

## HUMAN RESOURCES

### Employee Traffic

Since the last update in mid-April of this year, Human Resources welcomed more than twenty-seven new hires, including temporary election workers and temporary seasonal (summer) workers. There were ten departures, as well as two retirements, and two promotions.



### Union Contract Negotiations

Contract negotiations are under way with four of our unions whose contracts will expire at the end of the year. The Township first met with each group the week of May 9<sup>th</sup> and look forward to the next round of discussions coming up in July.

### Recruitment & Retention Wage Scale Adjustments and Stimulus Inflationary Payment (SIP)

- The Board-approved Police Officers' wage scale modification intended to improve recruitment and retention was implemented in May.
- The Board-approved Firefighters' wage scale modification intended to improve recruitment and retention was implemented in June.
- The Stimulus Inflationary Payments that were approved for all permanent Township staff were deposited into employee accounts on Friday, June 10<sup>th</sup>.

### COVID-19

The Township continues to manage COVID-related scenarios and works closely with staff in order to safely get through this leg of the journey. The current protocol still includes contact tracing for those who were in close contact with someone who tested positive, helping employees when they are symptomatic and working through the steps with employees who test positive for the virus.

- Effective Tuesday, February 22, 2022 the Township no longer required, but permitted optional masking for employees and visitors. Employees working through COVID-related circumstances (i.e.; close contact, symptoms, and/or positive test result) notify our designated COVID coordinator(s) and may be required to mask temporarily based on the appropriate protocol for their circumstances.
- Since April, the Township has completed more than 80 COVID-related communications with employees, including close contact notifications, walking employees through the protocol, and any required follow-ups/reporting.



## **INFORMATION TECHNOLOGY**

### **Brightline IT Presentations and Work**



Brightline made presentations of their network findings to various internal groups and finalized with a presentation to the Township Board. With funding and budget amendments approved by the Township Board, initial network hardware has been ordered, and project kickoffs are scheduled to start as the second quarter of 2022 ends.

### **Evaluation of Meraki Firewall & Switches**



Updated switches and firewalls are here for testing in our environment. The switch that manages the Township's external connections has been replaced with a fully functional Meraki device that is already improving throughput to network devices and internal users. Configuration of the test firewall is still under way.

### **Reconfiguration of Voice & Data Connections to Township Facilities**

Township Staff continues work with AT&T to upgrade telecom connections to all of our remote facilities. This work is expected to be completed before the end of the first quarter of 2022.

### **Shared Mechanical Inspection Calendars for Meridian Township & City of East Lansing**

Township Technology staff continues to work with the Department of Community Planning & Development in conjunction with the City of East Lansing to find a way to make the mechanical inspection process more efficient for people in both jurisdictions.

### **Email Report Support for Police Department & Community Planning & Development**

Several incidents brought about the need to review mailboxes for content matching specific criteria presented themselves at various points throughout the second quarter. IT staff assisted with creation, execution, and then export of the requested content.

### **Evaluation of Upgrades to PowerDMS Compliance Management Software**

The Police Department is considering additional optional features available with the Compliance Management System. IT Staff helped to quantify the benefit of the additional features that translate to a tripling of the current costs. These are currently being evaluated based upon these improvements with respect to other 2022 budget amendments.

### **Evaluation of Purchase of JustFOIA Service to Help Manage FOIA Requests**

Several departments are considering new software to help Manage Freedom of Information Act requests. IT Staff helped to quantify the benefit of the new software that would cost approximately \$10,000/year. This expenditure is being evaluated based upon the expected increased efficiencies and with respect to other expected 2022 budget amendments.



### **Workspace Reconfiguration to Accommodate a Half Dozen New Summer Interns**

With the addition and relocation of various employees around our facilities, IT staff worked with end user departments to set up additional network accounts, workstations, and telephone extensions in a variety of locations.

### **Evaluation of Marketplace on the Green for Addition of Wi-Fi Services**



The Technology Team met with Parks & Recreation Staff and external contacts to discuss options to have Wi-Fi at the Marketplace on the Green Facility. The initial wireless network will be rolled out to meet the needs of staff & vendors operating on-site, and then expanded to offer limited Wi-Fi service to facility patrons and visitors.

### **Replacement Computers for Police Cars**



IT staff has completed configuration of all in-car computers used in police cars & motorcycle units. Installation of the new units is expected to be completed prior to the end of the second quarter.

### **Printer Services for 2022 Summer Taxes**

Technology Staff performed milestone services to the printers used in the Treasurer's Office to print tax bills. This was done to avoid any preventable issues as the Township transitions to a new style of tax bill.

## **PARKS & RECREATION**

### **Work in a cooperative manner with the Park Commission and the Department of Natural Resources to develop the 2022-2026 Five Year Parks and Recreation Master Plan.**

The Five-Year Parks and Recreation Master Plan provides an opportunity to obtain input from the community, as well as, identify trends to assist in determining future capital projects. The update was conducted by in-house staff and included community surveys, opportunities for public input, staff recommendations and a public hearing. Both the Park Commission and Township Board approved the updated plan before it was submitted to the Tri-County Regional Planning Office and to the Grants Division of the Michigan Department of Natural Resources. This plan is required by the MDNR to qualify for state and federal grant funding.

### **Work with the Environmental Commission to create a successful Wetland Campaign and Green Projects Initiative.**

The Wetland Campaign and the Build Back the Buffer Initiative were adopted into the Parks and Recreation Department Five-Year Parks and Recreation Master Plan 2022-2026. Emma Campbell, Stewardship Coordinator worked with a local Eagle Scout Candidate to develop and build a wetland buffer in an area in Central Park South adjacent to the existing pond. This project will serve as a demonstration area with interpretive signage and serve as an educational attraction in the park.

### **Demolish house on 5280 Okemos Road in preparation of building support facilities for the MSU to Lake Lansing Trail.**

The Township received a grant from the Michigan Natural Resources Trust Fund to assist in acquiring this parcel at the end of 2021. Demolition of the house and land restoration was completed in April, 2022. Site planning for development will occur later this year.

### **Improve capacity and safety by expanding parking at North Meridian Road Park and Central Park South.**

These paving projects are being planned and implemented in cooperation with the Engineering Department. Based on rising costs, we may only be able to complete one of these projects this year.

### **To improve water quality at Central Park South Pond, install floating purification islands planted with native vegetation.**

The five floating islands were ordered, received and planted utilizing native plants grown from seed collected in parks and land preserves. These islands are currently sitting on the shoreline for three weeks to control the watering schedule. They will be anchored out into the pond in the next week or so. The islands were planted by staff and volunteers. This method for water filtering was recommended by Park Commissioner Mark Stephens.

### **Foster an effective education plan regarding the Community Services Millage Renewal.**

Staff from the Parks and Recreation Office, Meridian Senior Center and Human Services are working cooperatively on messaging for this millage renewal with a final draft due shortly. This millage supports Recreation, Meridian Senior Center, and Human Services programs.

### **Recreation and Special Events**

- Moonlight Sledding took place in January at North Meridian Road Park with music, hot chocolate and a bon fire. 400 people took part in the family portion of the event and an additional 100 Teens participated in their own late-night time slot.
- Flashlight Easter Egg Hunt – took place on Saturday, April 16 with 410 children participating.
- Love a Park Day took place on Wednesday, April 20 with 30 volunteers, Park Commissioners and Staff participating. Other organizations such as the Haslett-Okemos Kiwanis Club and Forest Hills Neighborhood Association and others will conduct clean-up activities on an alternate date.
- Mom to Mom and Kid to Kid Garage Sale took place at Marketplace on the Green on Sunday May 1 with 46 vendor booths rented and over 200 customers.
- Music at the Market Summer Concert Series took place every Wednesday evening in June and will continue through September from 6:00 pm – 8:30 pm. Bands include Garage Sale Band, Showdown, Sea Cruisers, School of Rock and Atomic Annie! Sponsors include Orthopaedic Rehab Specialists Physical Therapy, Embassy Transportation, Fahey Schultz Burzych Rhodes PLC, Midwest Power Equipment and MSU Federal Credit Union.
- Celebrate Meridian Festival– On this beautiful day on June 25<sup>th</sup>, the community came together to recognize the July 4<sup>th</sup> holiday, as well as, our Prime community at Central Park and Marketplace on the Green. The event included a fun children’s area complete with kiddie rides, giant inflatables, games, fun foods, and tours of Nokomis and Historical Village. It was very exciting to utilize Marketplace on the Green for our first large special event since the pandemic. This venue was fully utilized with a beverage tent, multiple food vendors, outstanding entertainment on the Delta Dental Stage, business booths and at dusk, a fireworks finale! The day also kicked off with a full-house at the Farmers’ Market! Estimated attendance is as follows: Farmers Market – 3,000; Children’s game area – 3,500, Marketplace on the Green – 2,500; area

parking lots to watch the fireworks – 10,000. Estimated visitors who enjoyed the event: 20,000+/-.  
 Planning and execution of this festival included staff from nearly every Township Department and a large number of volunteers from Township Boards and Commissions, Township Staff, and a large contingent from 242 Church. A majority of the event was funded through generous donations from local businesses.

- Meridian Heritage Festival – Planning is underway for the return of the Meridian Heritage Festival. Meetings are underway with the Friends of Historic Meridian and Nokomis. The event is scheduled for Saturday, October 1, 2022.
- Youth Sports – Mike has been very busy this year with administering all of the following programs:
  - 262 basketball



- 202 registered in Baseball
- 758 registered in Soccer 80 teams
- 217 Baseball
- 153 Softball
- 163 Tee ball
- Playmakers running club 37 Participants
- Sporties for Shorties – 245- 4,5, and 6 year olds(Classses all full)



- Adult Sports
  - Kickball 4 teams
  - Sand volleyball 7 teams
  - Softball 7 teams
  - 55+ fitness group averaging 25+ per day (Monday-Wednesday-Friday program)

## **Dog Parks**

Our dog parks continue to be successful and popular with 553 Small Dog Park members and 661 Large Dog Park members. Dog parks are not just for dogs, they are for people too! Many friendships and social connections are made with fellow dog owners. In June, we hosted a “Yappy Hour” event at each of the Dog Parks with 30 large and 20 small dog participants. The event included doggie treats, people snacks, music, and BYO drinks.

## **Deer Management**

The Police Department culled 200 deer during January – February 2022. The program involved the support the Township Board, Departments of Public Works, Parks and Recreation, and Police, together with the Michigan Department of Natural Resources Wildlife Division, and the Sportsman against Hunger Organization. The culmination of efforts from these entities resulted in 330 deer harvested, 7,414 lbs. of venison donated to local food banks, and a 23% reduction in reported car/deer accidents from 2010. (200 deer were culled by the police in 2022 and 130 deer were harvested in fall of 2021 by the volunteer archers).

## **Consumers Energy Easement Request**

Received a donation of \$1,000 from Consumers Energy in exchange for an easement in Wonch Park that funded a new bench in Ferguson Park.

## **Grant Reimbursements**

All of the final paperwork for final grant reimbursements were completed for the following projects: Central Park Regional Pathway; Historical Village Bridge and Restroom; Harris Nature Center Pavilion; Harris Nature Center Waterless Restroom; and MSU to Lake Lansing Trail Hub Acquisition.

## **Hillbrook Park**

Worked with Ingham County Drain Commissioner’s Office to locate and plant 40 trees in the park as part of a recent drain project in the park.

## **Red Cedar Water Trail**

Several area Rotary clubs (Williamston Sunrise and Satellite; Haslett/Okemos; East Lansing; and Lansing) are teaming up to develop a program that strives to bring recreation back to the Red Cedar River. A water trail map developed by our staff has served as a model for this implementation plan. Our hope is that by working together with Ingham County, Williamston, Williamstown Township, East Lansing and Lansing, that grant monies can be found to fund launch sites, amenities, and signage as well as ongoing river maintenance.

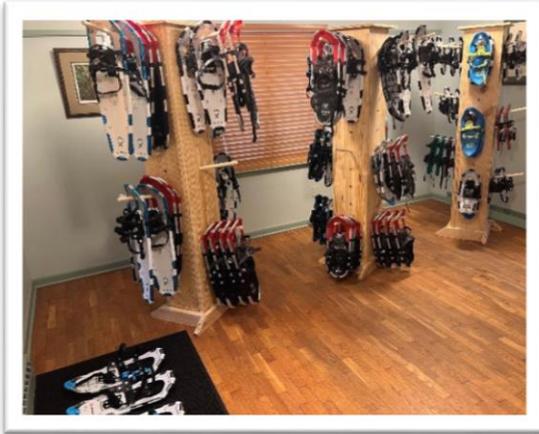
## **Park Maintenance Division**

Much of the work completed by the maintenance staff is repetitive in nature but extremely important in creating, maintaining and supporting our community’s prime image. This work includes: snow removal on pathways and parking lots, mowing and trimming in parks (130-acres) mowing and trimming along pathways, (72 miles), mowing 20 miles of park trails, pavilion and restroom cleaning, trash removal, and miscellaneous repair and maintenance. This year we experienced ongoing vandalism in multiple areas in the Central Park/Nancy Moore park area that demanded over \$4,000 worth of staff time and facility repair. The Police dedicated time to finding and apprehending the culprit.

## **Special Maintenance Projects**

- Built and installed a sled library at North Meridian Road Park and filled it with sleds for the public to use.
- Built and installed new snowshoe racks for renting snowshoes at the Harris Nature Center.
- Upgraded existing pole barn at 5280 Okemos Road with a new roof to utilize for storage temporarily until a formal plan is developed and implemented.
- Built two dumpster corrals (Central Park/Marketplace) in order to hide the dumpsters for a better aesthetics.
- Installed four foul poles on the softball field at Towner Road Park.
- Completed laying brick pavers around the Gazebo at Historical Village as part of an overall renovation project.

- Relocated pod to Marketplace to serve as an information booth for the Farmers' Market.
- Installed new collapsible bollards at trail/pathway entrances in Central Park, Nancy Moore Park and Nemoke Trail.
- Re-keyed all buildings in the Historical Village in order to create a much needed master key.
- Installed fresh impact material/safety surface at all playgrounds.
- Completed annual playground inspections.
- Installed new service gate at the Large Dog Park.
- Installed one electronic wind screen at Marketplace on the Green.
- AED installed at Towner Road Park funded by the pickle ball players.
- Completed laying brick pavers around the Gazebo at Historical Village as part of an overall renovation project.



### Stewardship in Parks and Preserves

January – June 2022 Stewardship Volunteer Hours = 452.5 hours of service completed.

- 19 Stewardship Saturdays: Invasive species removal, litter cleanup, native plant installations, wetland buffer restoration.
- Six Weekday Warriors (weekday volunteering opportunities): Invasive species removal, litter cleanup, native plant installations.
- Four trainings/Workshops completed: two Invasive Species Field Training (one community training, one staff training), two Vernal Pool Patrol volunteer monitor training.
- Over 2,800 pounds of litter removed from Central Park Drive, Nancy Moore Wetland, Red Cedar Natural Area, and Central Meridian Uplands.

### Meridian Conservation Corps (MCC) Educational Programs



- Wetland Education & Restoration Campaign launched February 2<sup>nd</sup>, 2022. Spearheaded by the Environmental Commission, the program is focused on educating residents and businesses on wetland protection and conservation. The Meridian Conservation Corps has offered programs and restoration work,

such as Wetland Walks, wetland cleanups throughout the Township, and native wetland buffer restoration.

- Five Wetland Walks hosted at different wetland sites in Township parks and preserves; 76 participants.
- Central Park South was a candidate for a wetland buffer restoration, to reduce flooding, and destructive mowing. Eagle Scout, Ethan Olds, agreed to take on the project with direction from staff. 112 native plant species were installed on June 4, 2022.
- Planting a Native Meridian in 2022
  - Thousands of seeds collected by volunteers from parks and preserves, grown by local native plant nurseries, and so far 348 transplants have been installed in Township preserves and parks.
  - Development of comprehensive Native Plant Guide for Homeowners as a way to increase awareness on the importance of native plants, provide direction and resources for garden installation, as well as increase deer resistance gardens in the Township.
  - Five Township residents are participating in our Grow a Native Meridian Program, where residents can adopt a native plant for their garden for future seed collection from the MCC.
- Continuation of educational presentations for the community covering the following topics; The Environmental Benefits of Planting Native, Wetland Conservation & Restoration, and Invasive Species Training.

## Harris Nature Center



- Annie's Big Nature Lesson was back for the spring of 2022 (5 schools, 8 classes, 189 students).
- 100 Kindergarteners from Hiawatha Elementary School in Okemos enjoyed full day programs this spring at the nature center. In addition, 205 Kindergarteners from Wilkshire Early Childhood Center in Haslett enjoyed field trips to the center this spring.
- Participated in MSU Science Festival Virtual Wildlife Programs: 11 classes, 264 students.
- Summer Camp began on June 21<sup>st</sup> with 481 children already enrolled for the summer. Only a few spots remain open.
- Work for the new paved trail leading to the bird observation deck is set to begin in June.
- HNC is celebrating its 25th Anniversary in 2022 with an event on July 23<sup>rd</sup>. Planning is well underway for an all-day free event with extended building hours.
- The spring Native Plant Sale was a huge success with HNC selling over \$7,000 worth of native plants. A second sale will be held on October 1<sup>st</sup>, 2022.
- HNC Foundation funded 7 school bus scholarships so far in 2022 for a total of \$700.
- HNC has welcomed over 2,000 drop-in visitors between January and June.

## Farmers' Market

- The Farmers Market continues to be a shining star in our community and began operations outdoors at Marketplace on the Green from January- April on two Saturdays per month.
- The number of vendors participating ranged 16 to 35 vendors, avg. 24 vendors/day.
- Customers: ranged 263 to 1,530 customers/day, avg/day – 536, Total – 4,288.
- The spring/summer season runs from May through October on Saturdays with Wednesdays starting in June.
- Vendors: ranged 44 to 56 vendors, avg. 50 vendors/day.
- Customers: ranged 2,403 to 3,304 customers per day, avg/day – 2,805, Total – 22,422.

- Wednesday Market started in June for the first time. Participating vendors ranged 20 to 31, avg. 24 vendors/day. Customers ranged 304 – 680, Avg. 432 customers/day, Total – 1,730.
- Food Assistance for Jan – June
  - Total EBT dispersed = \$5,533
  - Total Double Up Food Bucks dispersed = \$3,110
  - Total food assistance customers (incl. duplicates) = 173
  - Total New food assistance customers = 30
- Music at the Market Concert Series takes place every Wednesday evening in June through September, 6:00 pm – 8:30 pm. We have a great line-up, including Garage Sale Band, Showdown, Sea Cruisers, School of Rock and Atomic Annie!
- Gleaning at the Meridian Farmers Market- Total gleaned over 4 weeks = 104lbs. (only 2 vendors participating) this program provides an opportunity for vendors to “give away” leftover foods from market to donate to local food banks.
- Food Waste Recycling at the Meridian Farmers Market (Pilot Project) Slow start – Now have about 6-10 users per market, filling one 64 gallon cart per 2 weeks

## Meridian Senior Center



The Meridian Senior Center, located at Chippewa Middle School, provides for the educational, physical and social needs of adults aged 55 and over. Operation of the Meridian Senior Center is a collaborative effort between the Okemos School District and Meridian Township. With a current membership of 267, the Senior Center is an important community focal point for enrichment, socialization and fitness for our older adults. The Senior Center had 39 new members join between January and June 2022.

Over 600 programs were conducted during the first half of the year with the most popular being:

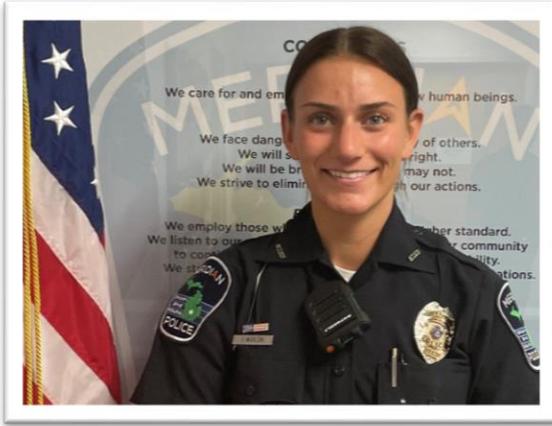
- Fitness and exercise: Jazzercise Lo, Balance and Core, Yoga and Warm Water Aquatics (with 908 participants)
- Health and Wellness: Massage, Reiki (with 90 participants)
- Games: Euchre, Bridge, Mah-Jong, Puzzles (with 87 participants)
- Education/Lifelong Learning (67 participants)
- Community Outreach Program: DJ Bingo and BBQ (50 participants)
- Congregate meal program (with 42 participants)

## POLICE DEPARTMENT

### Fill All Vacant Positions while Simultaneously Working Toward Creating a Diverse and Inclusive Workforce.

- Officer Isabela Acker and Officer Jack Akers graduated from the Mid-Michigan Police Academy in May and are currently in field training. Officer Acker received a sponsorship from MTPD to attend the academy.
- Recruitment of Danny Mora, Jacob Gonzalez and Natalie Tyndall to attend upcoming police academy with the intent to hire them.

- Recruit Patrick Sroufe is currently attending the Washtenaw Police Academy and is in the background process.



**Leverage Suggestions Made by the Recruitment and Retention Committee to Provide an Environment More Likely to Retain Employees while Attracting Potential Employees.**

- External vest carriers have been acquired thanks to a gift from a private donor. Feedback from officers has been extremely positive.
- Reviewing ideas to update the public safety building to improve its appearance and function.
- Change was made to appearance standards to allow female officers to wear their hair in a ponytail or other manner that still meets a professional appearance.

**Work to Improve Transparency of the Department's Actions through use of the Website, Social Media, and Community Meetings.**

- Creation of Social Media Committee.
- Significantly increased the number of posts to share actions of department and engage community.
- Continued review and updates to websites transparency page.
- Continue quarterly Neighborhood Leaders Meetings to share and receive information from our partners in the community.
- Participate in the monthly meeting of Advocates and Leaders for Police and Community Trust (ALPACT) to maintain a dialog between our regional community and the Police Department.



**Begin Preparations for the 2022 MLEAC Re-Accreditation Assessment, Which Will Take Place in December 2022.**

- Assignment of co-accreditation manager Sergeant Curt Squires.
- Assignment of officers on each platoon to make efforts toward completing re-accreditation.



**Prepare Staff for Succession Due to Retirements or Promotions through Training and Mentoring.**

Continue to provide training to supervisors through Michigan State University School of Staff and Command and First Line Supervisor courses.

Provide Officers and Sergeants with other task specific leadership training to better prepare them for promotions.



**Assist the Parks Department with the deer management efforts to reduce property damage and traffic crashes.**

- Two Sergeants and six Officers participated in removing 200 deer from herds that affect high accident locations.
- Accidents involving deer reduced from 51 in the first six months of 2021 to 29 in the first six months of 2022.



## **Provide Leadership in the Law Enforcement Community through Involvement in Collaborative Professional Law Enforcement Training.**

- Partnered with area law enforcement agencies to develop a critical skills training. Meridian Township Police Department provides instructors to countywide training for officers in decision-making process.
- Involvement in Michigan State University School of Staff and Command and First Line Supervisor schools as class facilitators and receiving free training for our officers in these classes.
- Involvement in countywide use of force instructor development course, to provide additional training to our use of force instructors.
- Early discussion regarding a large-scale AVI training in October involving law enforcement, fire, EMS, schools, tow companies, and many others. The intent of the training will be to bring the full scope of an AVI situation to light from many perspectives, identifying any area that needs to be improved.

## **PUBLIC WORKS & ENGINEERING**

### **2021, 2022 and 2023 Township Road Program**

We are nearly finished completing our 2021 reconstruction projects. We are finishing four 2021 roads located in White Hills Lakes: Pine Hollow Dr., Fenwick Ct., Mereford Ct., and Overglen Ct. This work began on June 6, 2022.

Our 2022 milling road projects (i.e. reconstruction) have begun, with the addition of the 1.03 miles thanks to the Board's appropriation of \$1.3 million of ARP funding for the Local Road Program. Adding the additional 1.03 miles to the 2022 local road program will save the Township considerable resources as these road projects won't be subject to 2023 inflation. We experienced 45% inflation per mile from 2021 to 2022 for reconstruction projects.

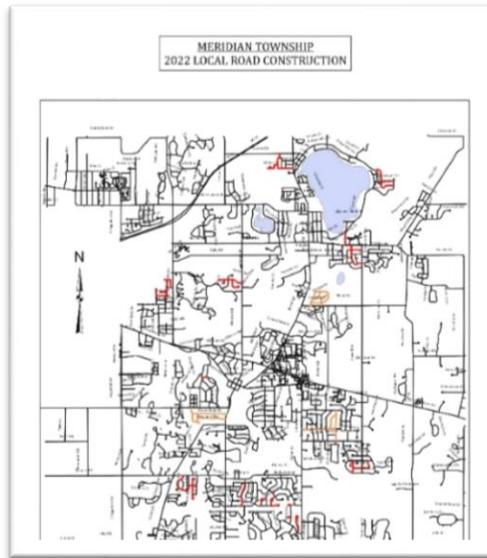
We did not complete any of the 2021 preventative maintenance road projects last year. We were able to get our 2021 preventative maintenance contractor to take on our 2022 projects at the same cost as their 2021 bid. This will save the Township considerable resources by avoiding inflationary costs over the past year and help get us back on schedule.

The 2021 and 2022 crack seal work on all of our roads and trails will be completed by early July. 2021 and 2022 cape sealing work will be completed in August and September. These will be the first cape seal projects the Township has done.

We are in final review of our 2022 crush-and-shape road bid with the Ingham County Road Department. This requires more engineering work due to the storm water drainage component of roads that do not have curb and gutter. We are also working to disconnect sump pumps from the sanitary sewer system and connect them to the storm drain system as part of our Timberlane St. Project, which requires additional engineering work for this bid. Once this RFP is completed in one to two weeks, we will have our 10-year road program back on schedule.

We are finalizing a list of 2023 road projects to begin engineering work on so we can bid them in November when we expect to get the lowest bids. The final list of roads will then be announced publicly in December or January.





### **Daniels Drain Update**

After 19 public meetings were held since 2015, we finalized the Daniels Drain Drainage Project Special Assessment Roll on May 3, 2022 with the Board's adoption. We conducted about 80 one-on-one meetings with residents, and responded to hundreds of phone calls and emails, regarding prospective assessments for the Daniels Drain project since November of 2021.

We received and completed a FOIA request for all eight years of documents and communications regarding the Daniels Drain.

We received one appeal of the Daniels Drain Drainage Project Special Assessment Roll and are in the process of preparing for this appeal.

### **Chapter 20 Drain Conversion**

We have held two meetings with the Ingham County Drain Commission office regarding converting our Chapter 20 drains to Chapter 3, 4 or 8 drains. We are currently having internal discussions about the pros and cons of converting our Chapter 20 drains.

It is clear that the Board would lose any and all authority to petition, or not petition, drain improvements for Chapter 20 drains if we convert them. Meaning the Board would no longer be able to prevent drain improvements it deems as unnecessary. If the Board converts the Chapter 20 drains, this authority would be solely held by the Ingham County Drain Commissioner.

We are working to determine what controls we would have over the Chapter 20 drains moving forward, outside of choosing to petition or not petition the improvements, if we were to keep them as Chapter 20 drains.

### **2022 Solar Project**

The RFP to construct two 20 kW solar arrays on the carports at the public safety building was successful.

We received two bids, one of which came in under the budgeted amount of \$100,000. We just received the signed contract back from the winning bidder and held a pre-construction meeting with the contractor.

Construction is scheduled to begin in early September and will take an estimated 1-2 weeks to complete.

This is the Township's fourth consecutive year of completing a solar project to help us meet our goal of 100% renewable energy use by 2035.

### **Grand River Ave Project**

We successfully completed our water main work in conjunction with the Grand River Ave construction project at the end of March.

### **Successfully Negotiated a Letter of Agreement with the Department of Public Works and the Department of Parks and Recreation Technical, Professional and Officeworkers Association of Michigan (TPOAM)**

This process was collaborative and helped build trust and relationships. It has also raised morale across the union.

This letter of agreement (LOA) is designed to compensate our lead workers appropriately for their supervisory responsibilities. Under this letter of agreement, effective March 17, 2022, lead workers will receive a \$4.81 hourly wage increase, which amounts to \$10,000 annually.

This letter of agreement is also designed to help compensate and incentivize our Department of Public Works and Department of Parks and Recreation employees for serving on-call and responding to emergencies after-hours. Our employees sign up to serve on-call for one-week shifts throughout the year. They are paid a \$250 stipend for serving an on-call shift and receive an additional \$100 for holiday weeks. This LOA increases the stipend to \$300 per week, \$400 for holiday weeks. It also establishes a new \$40 stipend for each after-hours response.

### **Okemos Road Bridge Project**

On March 2, 2022, the Ingham County Road Department informed the Township that the Okemos Road Bridge Project was one month behind due to delays caused by AT&T relocating their utilities. We worked with the Ingham County Road Department on a plan to get the project back on schedule, which the Board approved.

The plan allowed for work, only on this specific project, between 7 a.m. to 9 p.m. (i.e. the normal hours we permit construction work Monday through Saturday under our ordinance), on Sundays, but not holidays, until May 23, 2022.

This helped the contractor to meet EGLE's May 1 deadline for removal of old abutments and piers, as well as, installation of new abutments. It will also allow the bridge deck to be poured during the proper conditions for the concrete to cure.

We hope the project will stay on schedule and the new bridge will open in late November.



### **North Water Tower Construction Project**

The preventative maintenance of the north water tower was recently completed, as well as, two rounds of testing of the water quality. Both tests were negative.

The north water tower will become operational again on June 27, 2022. Our new Township brand is prominently displayed on the north water tower facing east and west traffic on Saginaw Hwy (M-78).

We thank the Board for waiving our ordinance prohibiting Sunday construction hours to get the North Water Tower operational again in the shorten timeframe possible.



### **Meridian Township Recycling Center Update**

We continue to work internally on a long-term solution to our transfer and recycling center. We submitted a grant application to EGLE on April 20 for a new recycling center located behind the Service Center.

We also completed 2022 grading work on the service drive to the transfer and recycling center. The service drive is in much better condition.

### **MSU to Lake Lansing Trail Update**

We have completed all land acquisition for the MSU to Lake Lansing trail with the acquisition earlier this year at the south end of Dawn Ave.

We have also completed the tree removal for Phase 1 of the MSU to Lake Lansing Trail.

We are currently going through the final review of the engineering plans for Phase I with MDOT. We must secure MDOT's approval of the engineering plans because they administer the federal TAP grant that is funding \$1.7 million, or 56.67%, of Phase I of the MSU to Lake Lansing trail.

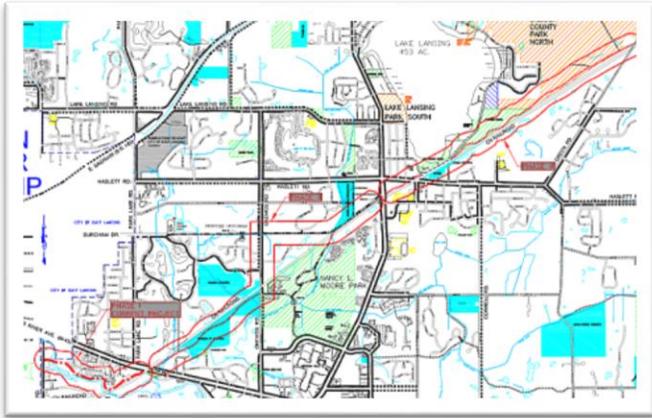
Here is a breakdown of the funding sources for Phase I of the MSU to Lake Lansing Trail:

1. \$1.7 million (TAP Grant)
2. \$950,000 (County Trails and Parks Millage)
3. \$350,000 (Township Pathway Millage)

We expect the bids to come in higher than our estimates and will work with the County to secure any remaining funding that is needed.

Once we have MDOT's approval, we will bid Phase I of the project, which is the most difficult to construct as it includes the bridge over the Red Cedar River behind the MSU Music School on Hagadorn Rd and the trail along the north side of the river to Grand River Ave.

We are working to complete the Phase II engineering plans. We are also in the process of securing the easement from Consumer's Energy for use of their right-of-way for Phase III of the MSU to Lake Lansing Trail.

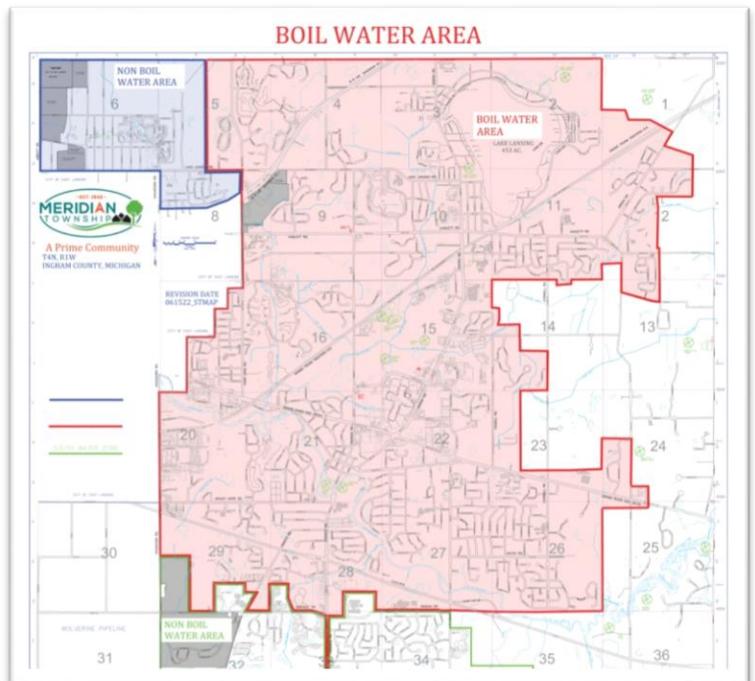


**Water Main Break at Haslett and Park Lake Roads**

One of the worst water main breaks the Township has ever experienced occurred on June 23 at 10:03 a.m. when our 24 inch water main running parallel to Park Lake Rd began to separate at the northwest corner of Park Lake and Haslett Roads due to road construction to widen the intersection to add dedicated left turn lanes to Haslett Rd.

The water main break was caused by the excavation of virgin soils acting as a thrust block to a 45 degree turn in our water main. When the road contractor excavated these soils, the bell and spigot began to separate at this 45 degree turn due to the pressure in the water main. However, the bolts held which prevented the main break from further depressurizing the Township’s water distribution system.

When reports first began coming in, we immediately activated our crews and our emergency contractor. We were able to restore water to all customers in 23 minutes by closing the valves to the north and south of the main break in concert with the East Lansing Meridian Water & Sewer Authority (ELMWSA).



We then worked with ELMWSA to determine which zones of the Township were impacted and produced a map to communicate this information and issue the boil water advisory by 12:26 p.m.

We then answered hundreds of phone calls and emails to address any and all concerns that residents had regarding the water main break. The boil water advisory was lifted on June 25 at 5:30 p.m. after both rounds of testing came back negative for microbial contamination.

Emergency repairs were completed on the water main by Friday at 7 a.m. (less than 24 hours). We poured concrete at the 45 degree turn in our water main to act as a new thrust block and prevent another contractor from removing the thrust block in the future. Our system functions perfectly fine with this section of water main isolated and out of service. Therefore, we gave the concrete the full weekend to cure before putting this section of water main back into service on June 27.

We will learn from this experience and work to get more residents subscribed to the Township’s emergency alert system (i.e. Everbridge). We currently have about 7,300 subscribers. We will look to increase this number by adding how and why residents should subscribe to our website, water bills and in other Township resources so more residents receive direct email and text alerts the next time we have an emergency.

### **Customer Service**

As always, we continue to work diligently to address all inquiries from residents, which ranged from 2 p.m. water main breaks, to getting a “Do Not Block the Intersection” sign installed for the Sylvan Glen neighborhood off of Dobie Rd, to making sure the Daniels Drain

## **PROJECT MANAGEMENT & OPERATIONS**

### **Township Sign Project**

We have a completed sign plan with corresponding draft RFP for the Municipal Complex, Central Park, Central Park South, Historical Village, Marketplace on the Green, Towner Road Park, Newton Road Park and the four welcoming signs at the borders of our Township.



We own the parcel for the northern welcoming sign on Marsh Road. This is the parcel where our existing welcoming sign is located. We are working to secure easements for the east, west and south welcoming signs. Letters have gone out to the property owners of our three desired locations and we have conversed with each of the owners. We are hoping to have the easements secured soon.

In May, we submitted an application with the Planning Commission for a special use permit for our digital message board signs, going in at the Municipal Building and Marketplace on the Green. Our application was approved at the June 13<sup>th</sup> meeting.

### **Okemos Library Roof Project**

The draft RFP is nearly completed, we are working to input the technical specifications needed.

## Computer Replacement Project

Along with the IT Department, we have been researching our options for computer replacements. At this point, we are gathering pricing information for both purchasing and leasing desktop and laptop units. It is our goal to improve the process in which we phase out computers and lessen the number of computers that lie dormant in storage after being phased out.

## Broadband & Fiber Upgrades

With help from Director Gebes and the IT Department, we are working to upgrade our broadband and fiber connections at all Township facilities. These upgrades coincide with the upgrades recommended by Brightline in their assessment.

## Railroad Quiet Zones

We have a meeting scheduled with OHM, the consultants we are using to walk us through the process of implementing railroad quiet zones, primarily the CN crossing on Okemos Road. At this meeting, we will be discussing the scope of the work and outlining responsibilities.

## Staff Directory

With the assistance of the Communications Department, a staff directory was published and distributed on June 2. After listening sessions provided feedback that employees would like a directory with employee pictures listed, headshots were scheduled with each department. We had an employee participation rate of 85% in getting photos taken for the directory.

Any updated information received when compiling contact information for the staff directory will be used to update the staff directory located on our website. These changes should be made by the end of July.





# Municipal Employees' Retirement System of Michigan

Annual Actuarial Valuation Report  
December 31, 2021 - Meridian Chtr Twp (3315)





Spring, 2022

Meridian Chtr Twp

In care of:  
Municipal Employees' Retirement System of Michigan  
1134 Municipal Way  
Lansing, Michigan 48917

This report presents the results of the Annual Actuarial Valuation, prepared for Meridian Chtr Twp (3315) as of December 31, 2021. The report includes the determination of liabilities and contribution rates resulting from the participation in the Municipal Employees' Retirement System of Michigan ("MERS"). This report contains the minimum actuarially determined contribution requirement, in alignment with the MERS Plan Document, Actuarial Policy, the Michigan Constitution, and governing statutes. Meridian Chtr Twp is responsible for the employer contributions needed to provide MERS benefits for its employees and former employees.

The purposes of this valuation are to:

- Measure funding progress as of December 31, 2021,
- Establish contribution requirements for the fiscal year beginning January 1, 2023,
- Provide information regarding the identification and assessment of risk,
- Provide actuarial information in connection with applicable Governmental Accounting Standards Board (GASB) statements, and
- Provide information to assist the local unit of government with state reporting requirements.

This valuation assumed the continuing ability of the plan sponsor to make the contributions necessary to fund this plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our scope of expertise and was not performed.

The findings in this report are based on data and other information through December 31, 2021. The valuation was based upon information furnished by MERS concerning Retirement System benefits, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal reasonability and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the information provided by MERS.

The Municipal Employees' Retirement Act, PA 427 of 1984 and the MERS' Plan Document Article VI Sec. 71 (1)(d), provides the MERS Board with the authority to set actuarial assumptions and methods after consultation with the actuary. As the fiduciary of the plan, the MERS Retirement Board sets certain assumptions for funding and GASB purposes. These assumptions are reviewed regularly through a comprehensive study, most recently in the Fall of 2021. The MERS Retirement Board adopted a Dedicated Gains Policy at the February 17, 2022 Board meeting. The Dedicated Gains Policy will automatically reduce the assumed rate of investment return in conjunction with recognizing excess investment gains to mitigate the impact on employer contributions the first year. The new policy is effective with this December 31, 2021 annual actuarial valuation, and is reflected in the funded status and fiscal year 2023 contributions as shown in the Executive Summary.

The Michigan Department of Treasury provides required assumptions to be used for purposes of Public Act 202 reporting. These assumptions are for reporting purposes only and do not impact required contributions. Please refer to the State Reporting page found at the end of this report for information for this filing.

For a full list of all the assumptions used, please refer to the division-specific assumptions described in table(s) in this report, and to the Appendix on the MERS website at:

<https://www.mersofmich.com/Portals/0/Assets/Resources/AAV-Appendix/MERS-2021AnnualActuarialValuation-Appendix.pdf>

**The actuarial assumptions used for this valuation, including the assumed rate of investment return, are reasonable for purposes of the measurement.**

**This report reflects the impact of COVID-19 experience through December 31, 2021. It does not reflect the ongoing impact of COVID-19, which is likely to influence demographic and economic experience, at least in the short term. We will continue to monitor these developments and their impact on the MERS Defined Benefit and Hybrid plans. Actual future experience will be reflected in each subsequent annual valuation, as experience emerges.**

This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge, the information contained in this report is accurate and fairly presents the actuarial position of Meridian Chtr Twp as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board, and with applicable statutes.

David T. Kausch, Rebecca L. Stouffer, and Mark Buis are members of the American Academy of Actuaries. These actuaries meet the Academy's Qualification Standards to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor. GRS maintains independent consulting agreements with certain local units of government for services unrelated to the actuarial consulting services provided in this report.



The Retirement Board of the Municipal Employees' Retirement System of Michigan confirms that the System provides for payment of the required employer contribution as described in Section 20m of Act No. 314 of 1965 (MCL 38.1140m).

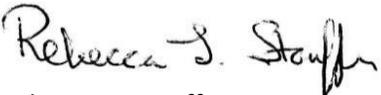
This information is purely actuarial in nature. It is not intended to serve as a substitute for legal, accounting, or investment advice.

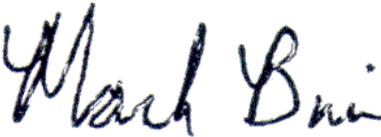
This report was prepared at the request of the MERS Retirement Board and may be provided only in its entirety by the municipality to other interested parties (MERS customarily provides the full report on request to associated third parties such as the auditor for the municipality). GRS is not responsible for the consequences of any unauthorized use. This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

If you have reason to believe that the plan provisions are incorrectly described, that important plan provisions relevant to this valuation are not described, that conditions have changed since the calculations were made, that the information provided in this report is inaccurate or is in anyway incomplete, or if you need further information in order to make an informed decision on the subject matter in this report, please contact your Regional Manager at 1.800.767.MERS (6377).

Sincerely,  
Gabriel, Roeder, Smith & Company

  
David T. Kausch, FSA, FCA, EA, MAAA

  
Rebecca L. Stouffer, ASA, FCA, MAAA

  
Mark Buis, FSA, FCA, EA, MAAA



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# Executive Summary

## Funded Ratio

The funded ratio of a plan is the percentage of the dollar value of the actuarial accrued liability that is covered by the actuarial value of assets. While the funded ratio may be a useful plan measurement, understanding a plan's funding trend may be more important than a particular point in time. Refer to Table 7 to find a history of this information.

	12/31/2021	12/31/2020
Funded Ratio*	72%	64%

\* Reflects assets from Surplus divisions, if any.

Throughout this report are references to valuation results generated prior to the 2018 valuation date. Results prior to 2018 were received directly from the prior actuary or extracted from the previous valuation system by MERS's technology service provider.

## Required Employer Contributions

Your required employer contributions are shown in the following table. Employee contributions, if any, are in addition to the employer contributions.

Effective for the December 31, 2021 valuation, the MERS Retirement Board has adopted a Dedicated Gains Policy which allows for recognition of asset gains in excess of a set threshold in combination with lowering the assumed rate of investment return (discussed below). Changes to these assumptions and methods are effective for contributions beginning in 2023. Effective with the 2020 and 2019 valuations respectively, the MERS Retirement Board adopted updated demographic and economic assumptions. The combined impact of the prior demographic and economic assumption changes may be phased in. The remaining combined phase-in period is three years for all assumption changes.

By default, MERS will invoice you based on the amount in the “No Phase-in” columns. This amount will be considered the minimum required contribution unless you request to be billed the “Phase-in” rates. If you wish to be billed using the phased-in rates, please contact MERS, at which point the alternate minimum required contribution will be the amount in the “Phase-in” columns.

	Percentage of Payroll				Monthly \$ Based on Projected Payroll			
	Phase-in	No Phase-in	Phase-in	No Phase-in	Phase-in	No Phase-in	Phase-in	No Phase-in
Valuation Date:	12/31/2021	12/31/2021	12/31/2020	12/31/2020	12/31/2021	12/31/2021	12/31/2020	12/31/2020
Fiscal Year Beginning:	January 1, 2023	January 1, 2023	January 1, 2022	January 1, 2022	January 1, 2023	January 1, 2023	January 1, 2022	January 1, 2022
<b>Division</b>								
01 - DPW	-	-	-	-	\$ 11,546	\$ 12,418	\$ 12,832	\$ 14,140
02 - Police Patrol	-	-	-	-	34,264	38,150	38,551	44,380
05 - Firefighters	-	-	-	-	125,654	133,710	124,049	136,133
10 - Admin Professional	-	-	-	-	6,747	8,071	7,907	9,893
11 - Teamsters	-	-	-	-	1,202	1,446	1,516	1,882
12 - Admin Prof on/aft 1/1/17	2.93%	2.99%	3.78%	3.88%	884	902	1,055	1,082
13 - DPW on/aft 01/1/17	3.98%	4.05%	3.40%	3.50%	1,468	1,492	1,248	1,284
20 - Police Command	-	-	-	-	58,499	62,229	55,625	61,220
21 - Command/Patrol on/aft 1/1/20	1.89%	1.89%	1.35%	1.35%	631	631	316	316
50 - Fire on/aft 1/1/17	3.68%	3.90%	2.76%	3.24%	2,121	2,247	1,094	1,283
<b>Total Municipality - Estimated Monthly Contribution</b>					\$ 243,016	\$ 261,296	\$ 244,193	\$ 271,613
<b>Total Municipality - Estimated Annual Contribution</b>					\$ 2,916,192	\$ 3,135,552	\$ 2,930,316	\$ 3,259,356

Employee contribution rates:

Valuation Date:	Employee Contribution Rate	
	12/31/2021	12/31/2020
<b>Division</b>		
01 - DPW	5.00%	5.00%
02 - Police Patrol	8.29%	8.29%
05 - Firefighters	7.76%	7.76%
10 - Admin Professional	5.00%	5.00%
11 - Teamsters	5.00%	5.00%
12 - Admin Prof on/aft 1/1/17	5.00%	5.00%
13 - DPW on/aft 01/1/17	5.00%	5.00%
20 - Police Command	11.24%	11.24%
21 - Command/Patrol on/aft 1/1/20	8.29%	8.29%
50 - Fire on/aft 1/1/17	7.76%	7.76%

The employer may contribute more than the minimum required contributions, as these additional contributions will earn investment income and may result in lower future contribution requirements. Employers making contributions in excess of the minimum requirements may elect to apply the excess contribution immediately to a particular division, or segregate the excess into one or more of what MERS calls “Surplus” divisions. An election in the first case would immediately reduce any unfunded accrued liability and



lower the amortization payments throughout the remaining amortization period. An election to set up Surplus divisions would not immediately lower future contributions, however the assets from the Surplus division could be transferred to an unfunded division in the future to reduce the unfunded liability in future years, or to be used to pay all or a portion of the minimum required contribution in a future year. For purposes of this report, the assets in any Surplus division have been included in the municipality's total assets, unfunded accrued liability, and funded status; however, these assets are not used in calculating the minimum required contribution.

**MERS strongly encourages employers to contribute more than the minimum contribution shown above. With the implemented Dedicated Gains policy, market gains and losses will continue to be smoothed over five years; however, since excess return are being used to lower the investment assumption, there will be less gains to smooth in down markets. Having additional funds in Surplus divisions will assist plans with navigating any market volatility.**

Assuming that experience of the plan meets actuarial assumptions:

- To accelerate to a 100% funding ratio in 10 years, estimated monthly employer contributions for the fiscal year beginning in 2023 for the entire employer would be \$367,795, instead of \$261,296.

### **How and Why Do These Numbers Change?**

In a defined benefit plan, contributions vary from one annual actuarial valuation to the next as a result of the following:

- Changes in benefit provisions (see Table 2),
- Changes in actuarial assumptions and methods (see the Appendix), and
- Experience of the plan (investment experience and demographic experience); this is the difference between actual experience of the plan and the actuarial assumptions.

These impacts are reflected in various tables in the report. For more information, please contact your Regional Manager.

## **Comments on Investment Rate of Return Assumption**

A defined benefit plan is funded by employer contributions, participant contributions, and investment earnings. Investment earnings have historically provided a significant portion of the funding. The larger the share of benefits being provided from investment returns, the smaller the required contributions, and vice versa. Determining the contributions required to prefund the promised retirement benefits requires an assumption of what investment earnings are expected to add to the fund over a long period of time. This is called the **Investment Return Assumption**.

The MERS Investment Return Assumption is **7.00%** per year. This, along with all of our other actuarial assumptions, is reviewed at least every five years in an Experience Study that compares the assumptions used against actual experience and recommends adjustments if necessary. If your municipality would like to explore contributions at lower assumed investment return assumptions, please review the "What If" projection scenarios later in this report.

## **Assumption and Method Change in 2021**

Effective February 17, 2022, the MERS Retirement Board adopted a dedicated gains policy that automatically adjusts the assumed rate of investment return by using excess asset gains to mitigate large increases in



required contributions to the Plan. Full details of this dedicated gains policy are available in the Actuarial Policy found on the MERS [website](#). Some goals of the dedicated gains policy are to:

- Provide a systematic approach to lower the assumed rate of investment return between experience studies, and
- Use excess gains to cover both the increase in normal cost and any increase in UAL payment the first year after implementation (i.e., minimize the first-year impact (i.e., increase) in employer contributions).

The dedicated gains policy has been implemented with the December 31, 2021 annual actuarial valuation. After initial application of the smoothing method, remaining market gains were used to lower the assumed rate of investment return from 7.35% to 7.00%. The December 31, 2021 valuation liabilities were developed using this new, lower assumption. Additionally, as a result of recognizing excess market gains, the valuation assets used to fund these liabilities are 7.2% higher than if there were no dedicated gain policy. The combined impact of these changes will minimize the first-year impact on employer contributions and may result in an increase or a decrease in employer contributions.

## Comments on Asset Smoothing

To avoid dramatic spikes and dips in annual contribution requirements due to short-term fluctuations in asset markets, MERS applies a technique called **asset smoothing**. This spreads out each year's investment gains or losses over the prior year and the following four years. After initial application of asset smoothing, remaining excess market gains are used to buy down the assumed rate of investment return and increase the level of valuation assets, to the extent allowed by the dedicated gains policy. This smoothing method is used to determine your actuarial value of assets (valuation assets), which is then used to determine both your funded ratio and your required contributions. **The (smoothed) actuarial rate of return for 2021 was 17.04%, while the actual market rate of return was 13.97%.** To see historical details of the market rate of return compared to the smoothed actuarial rate of return, refer to this report's Appendix or view the "[How Smoothing Works](#)" [video](#) on the [Defined Benefit resource page](#) of the MERS website.

As of December 31, 2021, the actuarial value of assets is just below 100% of market value due to asset smoothing and dedicated gains. This means that rate of return on the actuarial value of assets should exceed the actuarial assumption in the next few years provided that the annual market returns meet or exceed the 7.00% investment return assumption. When all assumptions are met, contribution rates are expected to stay approximately level as a percent of payroll (dollar amounts are expected to increase with wage inflation of 3.0% each year).

As of December 31, 2021, the market value of assets and actuarial value of assets are very similar, resulting in a funded percentage that is not materially different.

## Alternate Scenarios to Estimate the Potential Volatility of Results ("What If Scenarios")

The calculations in this report are based on assumptions about long-term economic and demographic behavior. These assumptions will never materialize in a given year, except by coincidence. Therefore, the results will vary from one year to the next. The volatility of the results depends upon the characteristics of the plan. For example:

- Open divisions that have substantial assets compared to their active employee payroll will have more volatile employer contribution rates due to investment return fluctuations.



- Open divisions that have substantial accrued liability compared to their active employee payroll will have more volatile employer contribution rates due to demographic experience fluctuations.
- Small divisions will have more volatile contribution patterns than larger divisions because statistical fluctuations are relatively larger among small populations.
- Shorter amortization periods result in more volatile contribution patterns.

Many assumptions are important in determining the required employer contributions. In the following table, we show the impact of varying the Investment Return assumption. Lower investment returns would generally result in higher required employer contributions, and vice versa. The three economic scenarios below provide a quantitative risk assessment for the impact of investment returns on the plan's future financial condition for funding purposes.

The relative impact of the economic scenarios below will vary from year to year, as the participant demographics change. The impact of each scenario should be analyzed for a given year, not from year to year. The results in the table are based on the December 31, 2021 valuation and are for the municipality in total, not by division. These results do not reflect a phase-in of the impact of the actuarial assumptions updated in the 2020 and 2019 valuations. There is no phase-in with dedicated gains.

It is important to note that calculations in this report are mathematical estimates based upon assumptions regarding future events, which may or may not materialize. Actuarial calculations can and do vary from one valuation to the next, sometimes significantly depending on the group's size. Projections are not predictions. Future valuations will be based on actual future experience.

<b>12/31/2021 Valuation Results</b>	<b>Lower Future Annual Returns</b>	<b>Lower Future Annual Returns</b>	<b>Valuation Assumptions</b>
<b>Investment Return Assumption</b>	<b>5.00%</b>	<b>6.00%</b>	<b>7.00%</b>
Accrued Liability	\$ 109,300,082	\$ 95,495,030	\$ 84,252,364
Valuation Assets <sup>1</sup>	\$ 60,838,360	\$ 60,838,360	\$ 60,838,360
Unfunded Accrued Liability	\$ 48,461,722	\$ 34,656,670	\$ 23,414,004
<b>Funded Ratio</b>	56%	64%	72%
Monthly Normal Cost	\$ 112,939	\$ 76,805	\$ 50,295
Monthly Amortization Payment	\$ 332,016	\$ 269,325	\$ 211,001
<b>Total Employer Contribution<sup>2</sup></b>	\$ 444,955	\$ 346,130	\$ 261,296

<sup>1</sup> The Valuation Assets include assets from Surplus divisions, if any.

<sup>2</sup> If assets exceed accrued liabilities for a division, the division may have an overfunding credit to reduce the division's employer contribution requirement. If the overfunding credit is larger than the normal cost, the division's full credit is included in the municipality's amortization payment above but the division's total contribution requirement is zero. This can cause the displayed normal cost and amortization payment to not add up to the displayed total employer contribution.

## Projection Scenarios

The next two pages show projections of the plan's funded ratio and computed employer contributions under the actuarial assumptions used in the valuation and alternate economic assumption scenarios. All three projections take into account the past investment experience that will continue to affect the actuarial rate of return in the short term.

The 7.00% scenario provides an estimate of computed employer contributions based on current actuarial



assumptions, and a projected 7.00% market return. The other two scenarios may be useful if the municipality chooses to budget more conservatively and make contributions in addition to the minimum requirements. The 6.00% and 5.00% projection scenarios provide an indication of the potential required employer contribution if these assumptions were met over the long term.

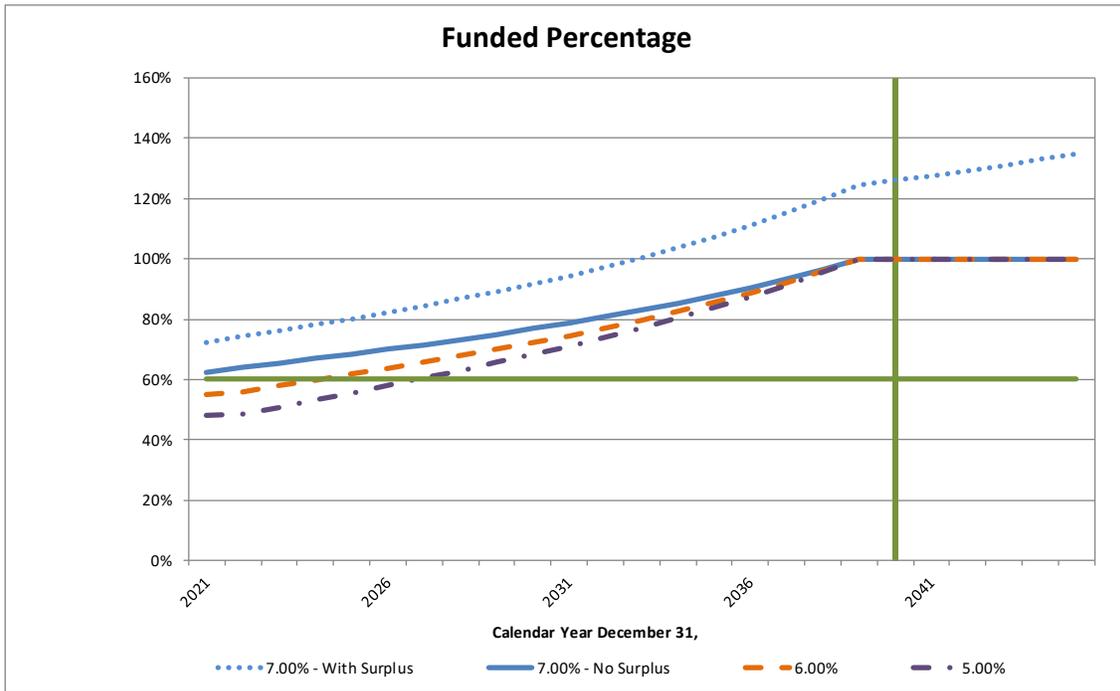
Your municipality includes one or more Surplus divisions. Extra contributions in a Surplus division may be used to reduce future employer contributions or to accelerate the date by which the municipality becomes 100% funded. The timing and use of these Surplus assets is discretionary. Certain employers have special funding arrangements that may differ from the Actuarial Policy.

The Funded Percentage graph shows projections of funded status under the 7.00% investment return assumption, both including the Surplus assets (contributed as of the valuation date), and without the Surplus assets. The graph including the Surplus assets assumes these Surplus assets grow with interest and are not used to lower future employer contributions. We modeled the projections including the Surplus assets in this fashion because the use of these assets is discretionary by the employer and we do not know when and how the employer will use them. Once the employer uses these Surplus assets, any future employer contributions are expected to be lower than those shown in the projections.

Valuation Year Ending 12/31	Fiscal Year Beginning 1/1	Actuarial Accrued Liability	Valuation Assets <sup>2</sup>	Funded Percentage	Estimated Annual Employer Contribution
<b>7.00%<sup>1</sup> - NO PHASE-IN</b>					
2021	2023	\$ 84,252,364	\$ 52,467,170	62%	\$ 3,135,552
2022	2024	\$ 86,600,000	\$ 55,400,000	64%	\$ 3,200,000
2023	2025	\$ 89,000,000	\$ 58,200,000	65%	\$ 3,270,000
2024	2026	\$ 91,300,000	\$ 61,100,000	67%	\$ 3,340,000
2025	2027	\$ 93,600,000	\$ 64,100,000	68%	\$ 3,420,000
2026	2028	\$ 95,900,000	\$ 67,100,000	70%	\$ 3,490,000
<b>6.00%<sup>1</sup> - NO PHASE-IN</b>					
2021	2023	\$ 95,495,030	\$ 52,467,170	55%	\$ 4,153,560
2022	2024	\$ 98,000,000	\$ 54,900,000	56%	\$ 4,270,000
2023	2025	\$ 100,600,000	\$ 58,200,000	58%	\$ 4,360,000
2024	2026	\$ 103,100,000	\$ 61,600,000	60%	\$ 4,450,000
2025	2027	\$ 105,500,000	\$ 65,100,000	62%	\$ 4,560,000
2026	2028	\$ 107,900,000	\$ 68,700,000	64%	\$ 4,660,000
<b>5.00%<sup>1</sup> - NO PHASE-IN</b>					
2021	2023	\$ 109,300,082	\$ 52,467,170	48%	\$ 5,339,460
2022	2024	\$ 112,000,000	\$ 54,300,000	49%	\$ 5,510,000
2023	2025	\$ 114,800,000	\$ 58,300,000	51%	\$ 5,620,000
2024	2026	\$ 117,500,000	\$ 62,500,000	53%	\$ 5,750,000
2025	2027	\$ 120,100,000	\$ 66,700,000	56%	\$ 5,880,000
2026	2028	\$ 122,600,000	\$ 71,000,000	58%	\$ 6,000,000

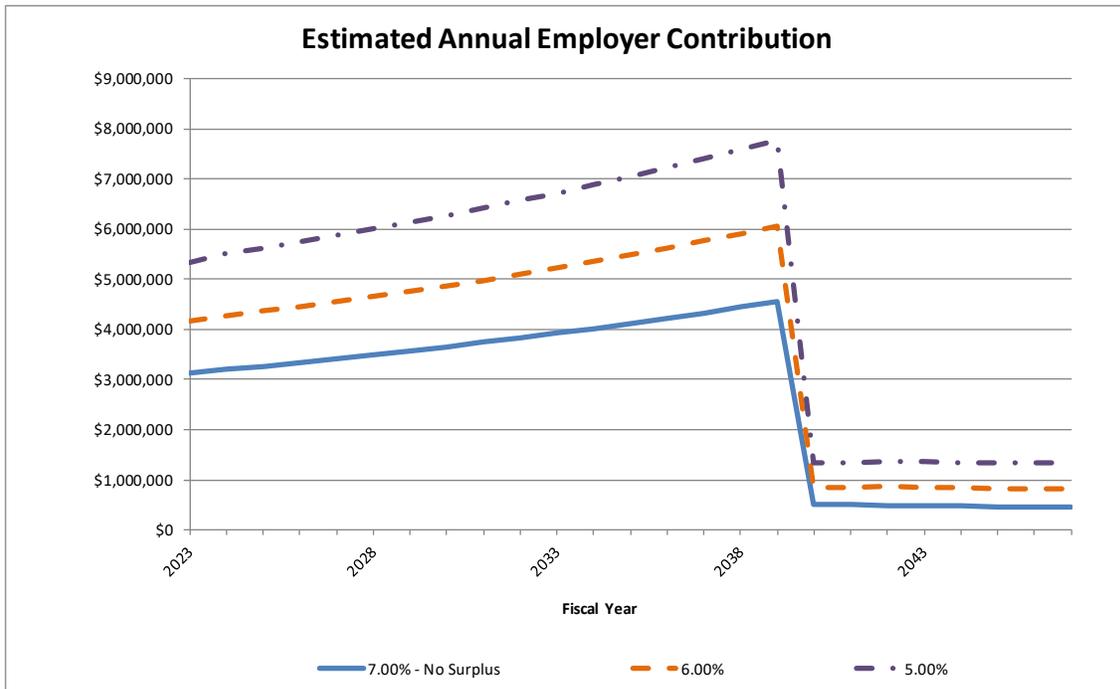
<sup>1</sup> Represents both the interest rate for discounting liabilities and the future investment return assumption on the Market Value of assets.

<sup>2</sup> Valuation Assets do not include assets from Surplus divisions, if any.



**Notes:**

All projected funded percentages are shown with no phase-in.  
 Assumes assets from Surplus divisions will not be used to lower employer contributions during the projection period.  
 The green indicator lines have been added at 60% funded and 19 years following the valuation date for PA 202 purposes.



**Notes:**

All projected contributions are shown with no phase-in.  
 Projected employer contributions do not reflect the use of any assets from the Surplus divisions.

## Table 1: Employer Contribution Details for the Fiscal Year Beginning January 1, 2023

Division	Total Normal Cost	Employee Contribut. Rate	Employer Contributions <sup>1</sup>			Computed Employer Contribut. With Phase-In	Blended ER Rate No Phase-In <sup>5</sup>	Blended ER Rate With Phase-In <sup>5</sup>	Employee Contribut. Conversion Factor <sup>2</sup>
			Employer Normal Cost <sup>6</sup>	Payment of the Unfunded Accrued Liability <sup>4</sup>	Computed Employer Contribut. No Phase-In				
<b>Percentage of Payroll</b>									
01 - DPW	12.17%	5.00%	-	-	-	-	14.96%	13.99%	
02 - Police Patrol	22.25%	8.29%	-	-	-	-	47.68%	44.09%	
05 - Firefighters	19.49%	7.76%	-	-	-	-	67.25%	63.21%	
10 - Admin Professional	11.30%	5.00%	-	-	-	-	15.97%	13.58%	
11 - Teamsters	0.00%	5.00%	-	-	-	-			
12 - Admin Prof on/aft 1/1/17	8.45%	5.00%	3.45%	-0.46%	2.99%	2.93%	15.97%	13.58%	0.80%
13 - DPW on/aft 01/1/17	8.90%	5.00%	3.90%	0.15%	4.05%	3.98%	14.96%	13.99%	0.88%
20 - Police Command	21.51%	11.24%	-	-	-	-	47.68%	44.09%	
21 - Command/Patrol on/aft 1/1/20	10.18%	8.29%	1.89%	0.00%	1.89%	1.89%	47.68%	44.09%	0.78%
50 - Fire on/aft 1/1/17	11.59%	7.76%	3.83%	0.07%	3.90%	3.68%	67.25%	63.21%	0.87%
<b>Estimated Monthly Contribution<sup>3</sup></b>									
01 - DPW			\$ 4,025	\$ 8,393	\$ 12,418	\$ 11,546			
02 - Police Patrol			15,245	22,905	38,150	34,264			
05 - Firefighters			16,957	116,753	133,710	125,654			
10 - Admin Professional			1,640	6,431	8,071	6,747			
11 - Teamsters			0	1,446	1,446	1,202			
12 - Admin Prof on/aft 1/1/17			1,040	(138)	902	884			
13 - DPW on/aft 01/1/17			1,437	55	1,492	1,468			
20 - Police Command			7,114	55,115	62,229	58,499			
21 - Command/Patrol on/aft 1/1/20			631	0	631	631			
50 - Fire on/aft 1/1/17			2,206	41	2,247	2,121			
<b>Total Municipality</b>			<b>\$ 50,295</b>	<b>\$ 211,001</b>	<b>\$ 261,296</b>	<b>\$ 243,016</b>			
<b>Estimated Annual Contribution<sup>3</sup></b>			<b>\$ 603,540</b>	<b>\$ 2,532,012</b>	<b>\$ 3,135,552</b>	<b>\$ 2,916,192</b>			

- <sup>1</sup> The above employer contribution requirements are in addition to the employee contributions, if any.
- <sup>2</sup> If employee contributions are increased/decreased by 1.00% of pay, the employer contribution requirement will decrease/increase by the Employee Contribution Conversion Factor. The conversion factor is usually under 1% because employee contributions may be refunded at termination of employment and not used to fund retirement pensions. Employer contributions will all be used to fund pensions.
- <sup>3</sup> For divisions that are open to new hires, estimated contributions are based on projected fiscal year payroll. Actual contributions will be based on actual reported monthly pays, and will be different from the above amounts. For divisions that will have no new hires (i.e., closed divisions), invoices will be based on the above dollar amounts which are based on projected fiscal year payroll. See description of Open Divisions and Closed Divisions in the Appendix.
- <sup>4</sup> Note that if the overfunding credit is larger than the normal cost, the full credit is shown above but the total contribution requirement is zero. This will cause the



displayed normal cost and unfunded accrued liability contributions not to add across.

- <sup>5</sup> For linked divisions, the employer will be invoiced the Computed Employer Contribution No Phase-in rate shown above for each linked division (a contribution rate for the open division; a contribution dollar for the closed-but-linked division), unless the employer elects to contribute the Blended Employer Contribution rate shown above, by contacting MERS at 800-767-MERS (6377).
- <sup>6</sup> For divisions with a negative employer normal cost, employee contributions cover the normal cost and a portion of the payment of any unfunded accrued liability.

**Please see the Comments on Asset Smoothing in the Executive Summary of this report.**

## Table 2: Benefit Provisions

### 01 - DPW: Closed to new hires, linked to Division 13

	2021 Valuation	2020 Valuation
<b>Benefit Multiplier:</b>	2.25% Multiplier (80% max)	2.25% Multiplier (80% max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	6 years	6 years
<b>Early Retirement (Unreduced):</b>	55/20	55/20
<b>Early Retirement (Reduced):</b>	50/25	50/25
	55/15	55/15
<b>Final Average Compensation:</b>	5 years	5 years
<b>Employee Contributions:</b>	5.00%	5.00%
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

### 02 - Police Patrol: Closed to new hires, linked to Division 21

	2021 Valuation	2020 Valuation
<b>Benefit Multiplier:</b>	2.75% Multiplier (80% max)	2.75% Multiplier (80% max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	50/25	50/25
<b>Early Retirement (Reduced):</b>	55/15	55/15
<b>Final Average Compensation:</b>	3 years	3 years
<b>COLA for Future Retirees:</b>	2.50% (Non-Compound)	2.50% (Non-Compound)
<b>Employee Contributions:</b>	8.29%	8.29%
<b>D-2:</b>	D2 (25%)	D2 (25%)
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

### 05 - Firefighters: Closed to new hires, linked to Division 50

	2021 Valuation	2020 Valuation
<b>Benefit Multiplier:</b>	Bridged Benefit: 2.75% Multiplier (80% max)-Termination FAC; 2.50% Multiplier (80% max)	Bridged Benefit: 2.75% Multiplier (80% max)-Termination FAC; 2.50% Multiplier (80% max)
<b>Bridged Benefit Date:</b>	12/31/2016	12/31/2016
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	50/25	50/25
<b>Early Retirement (Reduced):</b>	55/15	55/15
<b>Final Average Compensation:</b>	3 years	3 years
<b>COLA for Future Retirees:</b>	2.50% (Non-Compound)	2.50% (Non-Compound)
<b>Employee Contributions:</b>	7.76%	7.76%
<b>D-2:</b>	D2 (25%)	D2 (25%)
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)



**10 - Admin Professional: Closed to new hires, linked to Division 12**

	<b>2021 Valuation</b>	<b>2020 Valuation</b>
<b>Benefit Multiplier:</b>	Bridged Benefit: 2.50% Multiplier (80% max)-Termination FAC; 2.25% Multiplier (80% max)	Bridged Benefit: 2.50% Multiplier (80% max)-Termination FAC; 2.25% Multiplier (80% max)
<b>Bridged Benefit Date:</b>	12/31/2016	12/31/2016
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	55/25	55/25
<b>Early Retirement (Reduced):</b>	50/25 55/15	50/25 55/15
<b>Final Average Compensation:</b>	5 years	5 years
<b>Employee Contributions:</b>	5.00%	5.00%
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

**11 - Teamsters: Open Division**

	<b>2021 Valuation</b>	<b>2020 Valuation</b>
<b>Benefit Multiplier:</b>	2.00% Multiplier (no max)	2.00% Multiplier (no max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	6 years	6 years
<b>Early Retirement (Unreduced):</b>	55/20	55/20
<b>Early Retirement (Reduced):</b>	50/25 55/15	50/25 55/15
<b>Final Average Compensation:</b>	5 years	5 years
<b>Employee Contributions:</b>	5.00%	5.00%
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

**12 - Admin Prof on/aft 1/1/17: Open Division, linked to Division 10**

	<b>2021 Valuation</b>	<b>2020 Valuation</b>
<b>Benefit Multiplier:</b>	1.50% Multiplier (no max)	1.50% Multiplier (no max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	55/25	55/25
<b>Early Retirement (Reduced):</b>	50/25 55/15	50/25 55/15
<b>Final Average Compensation:</b>	5 years	5 years
<b>Employee Contributions:</b>	5.00%	5.00%
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)



**13 - DPW on/aft 01/1/17: Open Division, linked to Division 01**

	2021 Valuation	2020 Valuation
<b>Benefit Multiplier:</b>	1.50% Multiplier (80% max)	1.50% Multiplier (80% max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	6 years	6 years
<b>Early Retirement (Unreduced):</b>	55/20	55/20
<b>Early Retirement (Reduced):</b>	50/25	50/25
	55/15	55/15
<b>Final Average Compensation:</b>	5 years	5 years
<b>Employee Contributions:</b>	5.00%	5.00%
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

**20 - Police Command: Closed to new hires, linked to Division 21**

	2021 Valuation	2020 Valuation
<b>Benefit Multiplier:</b>	2.75% Multiplier (80% max)	2.75% Multiplier (80% max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	50/25	50/25
<b>Early Retirement (Reduced):</b>	55/15	55/15
<b>Final Average Compensation:</b>	3 years	3 years
<b>COLA for Future Retirees:</b>	2.50% (Non-Compound)	2.50% (Non-Compound)
<b>Employee Contributions:</b>	11.24%	11.24%
<b>D-2:</b>	D2 (25%)	D2 (25%)
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

**21 - Command/Patrol on/aft 1/1/20: Open Division, linked to Division 02, 20**

	2021 Valuation	2020 Valuation
<b>Benefit Multiplier:</b>	1.75% Multiplier (no max)	1.75% Multiplier (no max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	55/25	55/25
<b>Early Retirement (Reduced):</b>	50/25	50/25
	55/15	55/15
<b>Final Average Compensation:</b>	3 years	3 years
<b>Employee Contributions:</b>	8.29%	8.29%
<b>D-2:</b>	D2 (25%)	D2 (25%)
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)



**50 - Fire on/aft 1/1/17: Open Division, linked to Division 05**

	<b>2021 Valuation</b>	<b>2020 Valuation</b>
<b>Benefit Multiplier:</b>	1.75% Multiplier (no max)	1.75% Multiplier (no max)
<b>Normal Retirement Age:</b>	60	60
<b>Vesting:</b>	10 years	10 years
<b>Early Retirement (Unreduced):</b>	55/25	55/25
<b>Early Retirement (Reduced):</b>	50/25	50/25
	55/15	55/15
<b>Final Average Compensation:</b>	3 years	3 years
<b>Employee Contributions:</b>	7.76%	7.76%
<b>D-2:</b>	D2 (25%)	D2 (25%)
<b>Act 88:</b>	Yes (Adopted 7/10/2001)	Yes (Adopted 7/10/2001)

### Table 3: Participant Summary

Division	2021 Valuation		2020 Valuation		2021 Valuation		
	Number	Annual Payroll <sup>1</sup>	Number	Annual Payroll <sup>1</sup>	Average Age	Average Benefit Service <sup>2</sup>	Average Eligibility Service <sup>2</sup>
<b>01 - DPW</b>							
Active Employees	13	\$ 689,495	14	\$ 741,003	46.3	11.5	11.5
Vested Former Employees	5	63,196	4	52,056	42.8	10.0	11.0
Retirees and Beneficiaries	23	409,247	23	409,247	69.5		
Pending Refunds	5		5				
<b>02 - Police Patrol</b>							
Active Employees	19	\$ 1,279,034	23	\$ 1,487,021	33.8	7.5	8.5
Vested Former Employees	13	244,983	12	224,457	47.8	10.6	14.9
Retirees and Beneficiaries	17	761,338	17	745,718	60.1		
Pending Refunds	15		18				
<b>05 - Firefighters</b>							
Active Employees	25	\$ 1,868,267	26	\$ 1,972,595	44.8	16.1	16.4
Vested Former Employees	6	182,687	7	242,823	50.6	16.2	16.9
Retirees and Beneficiaries	33	1,710,901	31	1,588,879	64.1		
Pending Refunds	4		5				
<b>10 - Admin Professional</b>							
Active Employees	8	\$ 360,191	10	\$ 477,667	53.8	17.3	17.3
Vested Former Employees	12	115,348	11	100,503	53.2	10.5	17.7
Retirees and Beneficiaries	14	305,660	13	266,344	70.9		
Pending Refunds	10		12				
<b>11 - Teamsters</b>							
Active Employees	0	\$ 0	0	\$ 0	0.0	0.0	0.0
Vested Former Employees	0	0	0	0	0.0	0.0	0.0
Retirees and Beneficiaries	6	163,830	6	163,830	72.8		
Pending Refunds	0		0				
<b>12 - Admin Prof on/aft 1/1/17</b>							
Active Employees	7	\$ 275,297	5	\$ 223,836	38.6	1.0	1.6
Vested Former Employees	0	0	0	0	0.0	0.0	0.0
Retirees and Beneficiaries	1	1,682	1	1,682	68.2		
Pending Refunds	9		6				
<b>13 - DPW on/aft 01/1/17</b>							
Active Employees	8	\$ 362,436	8	\$ 362,277	40.6	2.8	2.8
Vested Former Employees	0	0	0	0	0.0	0.0	0.0
Retirees and Beneficiaries	0	0	0	0	0.0		
Pending Refunds	4		2				

**Table 3 (continued)**

Division	2021 Valuation		2020 Valuation		2021 Valuation		
	Number	Annual Payroll <sup>1</sup>	Number	Annual Payroll <sup>1</sup>	Average Age	Average Benefit Service <sup>2</sup>	Average Eligibility Service <sup>2</sup>
<b>20 - Police Command</b>							
Active Employees	10	\$ 854,662	10	\$ 867,021	44.6	19.3	19.5
Vested Former Employees	1	16,012	0	0	36.7	8.0	14.2
Retirees and Beneficiaries	16	878,349	15	803,880	61.3		
Pending Refunds	0		0				
<b>21 - Command/Patrol on/aft 1/1/20</b>							
Active Employees	6	\$ 262,449	3	\$ 102,595	23.8	0.8	0.8
Vested Former Employees	0	0	0	0	0.0	0.0	0.0
Retirees and Beneficiaries	0	0	0	0	0.0		
Pending Refunds	1		0				
<b>50 - Fire on/aft 1/1/17</b>							
Active Employees	9	\$ 418,360	6	\$ 291,070	32.9	1.7	5.2
Vested Former Employees	0	0	0	0	0.0	0.0	0.0
Retirees and Beneficiaries	0	0	0	0	0.0		
Pending Refunds	2		2				
<b>Total Municipality</b>							
<b>Active Employees</b>	<b>105</b>	<b>\$ 6,370,191</b>	<b>105</b>	<b>\$ 6,525,085</b>	<b>40.7</b>	<b>10.2</b>	<b>10.9</b>
<b>Vested Former Employees</b>	<b>37</b>	<b>622,226</b>	<b>34</b>	<b>619,839</b>	<b>49.0</b>	<b>11.3</b>	<b>15.6</b>
<b>Retirees and Beneficiaries</b>	<b>110</b>	<b>4,231,007</b>	<b>106</b>	<b>3,979,580</b>	<b>65.6</b>		
<b>Pending Refunds</b>	<b>50</b>		<b>50</b>				
<b>Total Participants</b>	<b>302</b>		<b>295</b>				

<sup>1</sup> Annual payroll for active employees; annual deferred benefits payable for vested former employees; annual benefits being paid for retirees and beneficiaries.

<sup>2</sup> Descriptions can be found under Miscellaneous and Technical Assumptions in the Appendix.

## Table 4: Reported Assets (Market Value)

Division	2021 Valuation		2020 Valuation	
	Employer and Retiree <sup>1</sup>	Employee <sup>2</sup>	Employer and Retiree <sup>1</sup>	Employee <sup>2</sup>
01 - DPW	\$ 4,787,404	\$ 313,396	\$ 4,398,606	\$ 275,930
02 - Police Patrol	11,420,008	1,544,766	10,471,052	1,467,558
05 - Firefighters	15,900,456	2,376,406	13,531,278	2,480,722
10 - Admin Professional	3,900,523	334,296	3,503,873	358,812
11 - Teamsters	1,334,511	0	1,306,330	0
12 - Admin Prof on/aft 1/1/17	54,965	27,823	42,653	17,575
13 - DPW on/aft 01/1/17	53,659	54,596	31,094	36,360
20 - Police Command	9,138,822	1,187,015	7,441,435	1,221,512
21 - Command/Patrol on/aft 1/1/20	7,818	19,532	507	2,101
50 - Fire on/aft 1/1/17	29,353	59,430	13,449	31,952
S1 - Surplus Assoc Fire	4,191,786	0	2,831,150	0
S2 - Surplus Assoc Police	4,191,786	0	2,831,150	0
<b>Municipality Total<sup>3</sup></b>	<b>\$ 55,011,090</b>	<b>\$ 5,917,261</b>	<b>\$ 46,402,577</b>	<b>\$ 5,892,521</b>
<b>Combined Assets<sup>3</sup></b>	<b>\$60,928,351</b>		<b>\$52,295,098</b>	

<sup>1</sup> Reserve for Employer Contributions and Benefit Payments.

<sup>2</sup> Reserve for Employee Contributions.

<sup>3</sup> Totals may not add due to rounding.

The December 31, 2021 valuation assets (actuarial value of assets) are equal to 0.998523 times the reported market value of assets (compared to 0.972357 as of December 31, 2020). Refer to the Appendix for a description of the valuation asset derivation and a detailed calculation of valuation assets.

Assets in the Surplus division(s) are employer assets that have been reserved separately and may be used within the plan at the employer's discretion at some point in the future. These assets are not used in calculating the employer contribution for the fiscal year beginning January 1, 2023.

### Table 5: Flow of Valuation Assets

Year Ended 12/31	Employer Contributions		Employee Contributions	Investment Income (Valuation Assets)	Benefit Payments	Employee Contribution Refunds	Net Transfers	Valuation Asset Balance
	Required	Additional						
2011	\$ 1,443,888	\$ 0	\$ 447,636	\$ 1,497,200	\$ (1,930,596)	\$ (15,477)	\$ 0	\$ 28,635,470
2012	1,502,982	0	440,059	1,394,558	(2,073,753)	0	0	29,899,316
2013	1,727,389	0	446,814	1,873,685	(2,184,485)	(7,344)	0	31,755,375
2014	1,863,475	0	445,419	1,878,815	(2,457,430)	(3,012)	106,873	33,589,515
2015	2,065,675	0	434,297	1,678,089	(2,837,027)	0	0	34,930,549
2016	1,835,443	999,999	442,227	2,065,803	(3,002,485)	(62,383)	12,712	37,221,865
2017	2,318,478	1,141,890	473,016	2,351,814	(3,092,898)	0	46,837	40,461,002
2018	2,302,708	1,500,041	500,743	1,572,989	(3,319,579)	(7,832)	0	43,010,072
2019	2,264,527	1,590,180	503,378	2,210,081	(3,573,024)	(2,615)	0	46,002,599
2020	2,472,037	1,704,767	507,807	4,027,028	(3,852,948)	(11,786)	0	50,849,504
2021	3,009,366	1,750,000	495,714	8,830,566	(4,077,886)	(58,196)	39,292	60,838,360

**Notes:**

Transfers in and out are usually related to the transfer of participants between municipalities, and to employer and employee payments for service credit purchases (if any) that the governing body has approved.

The investment income column reflects the recognized investment income based on Valuation Assets. It does not reflect the market value investment return in any given year.

The Valuation Asset balance includes assets from Surplus divisions, if any.

Years where historical information is not available will be displayed with zero values.



**Table 6: Actuarial Accrued Liabilities and Valuation Assets  
as of December 31, 2021**

Division	Actuarial Accrued Liability					Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
	Active Employees	Vested Former Employees	Retirees and Beneficiaries	Pending Refunds	Total			
01 - DPW	\$ 1,656,639	\$ 232,667	\$ 4,477,054	\$ 5,928	\$ 6,372,288	\$ 5,093,267	79.9%	\$ 1,279,021
02 - Police Patrol	3,188,667	1,592,586	11,539,115	131,118	16,451,486	12,945,624	78.7%	3,505,862
05 - Firefighters	10,834,330	1,565,411	23,377,005	11,082	35,787,828	18,249,867	51.0%	17,537,961
10 - Admin Professional	1,216,015	903,409	3,065,790	25,817	5,211,031	4,228,564	81.1%	982,467
11 - Teamsters	0	0	1,554,399	0	1,554,399	1,332,540	85.7%	221,859
12 - Admin Prof on/aft 1/1/17	31,292	0	20,372	14,326	65,990	82,666	125.3%	(16,676)
13 - DPW on/aft 01/1/17	107,738	0	0	7,174	114,912	108,096	94.1%	6,816
20 - Police Command	6,038,118	47,575	12,489,435	0	18,575,128	10,310,586	55.5%	8,264,542
21 - Command/Patrol on/aft 1/1/20	21,754	0	0	3,476	25,230	27,309	108.2%	(2,079)
50 - Fire on/aft 1/1/17	90,506	0	0	3,566	94,072	88,651	94.2%	5,421
S1 - Surplus Assoc Fire	0	0	0	0	0	4,185,595		(4,185,595)
S2 - Surplus Assoc Police	0	0	0	0	0	4,185,595		(4,185,595)
<b>Total</b>	<b>\$ 23,185,059</b>	<b>\$ 4,341,648</b>	<b>\$ 56,523,170</b>	<b>\$ 202,487</b>	<b>\$ 84,252,364</b>	<b>\$ 60,838,360</b>	<b>72.2%</b>	<b>\$ 23,414,004</b>

The following results show the combined accrued liabilities and assets for each set of linked divisions. These results are already shown in the table on the prior page(s).

**Table 6 (continued)**

Division	Actuarial Accrued Liability					Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
	Active Employees	Vested Former Employees	Retirees and Beneficiaries	Pending Refunds	Total			
Linked Divisions 12, 10	\$ 1,247,307	\$ 903,409	\$ 3,086,162	\$ 40,143	\$ 5,277,021	\$ 4,311,230	81.7%	\$ 965,791
Linked Divisions 13, 01	1,764,377	232,667	4,477,054	13,102	6,487,200	5,201,363	80.2%	1,285,837
Linked Divisions 21, 02, 20	9,248,539	1,640,161	24,028,550	134,594	35,051,844	23,283,519	66.4%	11,768,325
Linked Divisions 50, 05	10,924,836	1,565,411	23,377,005	14,648	35,881,900	18,338,518	51.1%	17,543,382

**Please see the Comments on Asset Smoothing in the Executive Summary of this report.**

The December 31, 2021 valuation assets (actuarial value of assets) are equal to 0.998523 times the reported market value of assets. Refer to the Appendix for a description of the valuation asset derivation and a detailed calculation of valuation assets.

## Table 7: Actuarial Accrued Liabilities - Comparative Schedule

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2007	\$ 38,924,237	\$ 21,360,928	55%	\$ 17,563,309
2008	42,180,888	23,244,719	55%	18,936,169
2009	43,641,255	25,330,637	58%	18,310,618
2010	45,576,292	27,192,819	60%	18,383,473
2011	48,645,859	28,635,470	59%	20,010,389
2012	50,274,592	29,899,316	60%	20,375,276
2013	53,345,909	31,755,375	60%	21,590,534
2014	56,783,968	33,589,515	59%	23,194,453
2015	61,743,003	34,930,549	57%	26,812,454
2016	64,160,503	37,221,865	58%	26,938,638
2017	65,850,156	40,461,002	61%	25,389,154
2018	68,549,666	43,010,072	63%	25,539,594
2019	74,014,966	46,002,599	62%	28,012,367
2020	79,103,874	50,849,504	64%	28,254,370
2021	84,252,364	60,838,360	72%	23,414,004

Notes: Actuarial assumptions were revised for the 2008, 2009, 2010, 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The Valuation Assets include assets from Surplus divisions, if any.

Years where historical information is not available will be displayed with zero values.

Throughout this report are references to valuation results generated prior to the 2018 valuation date. Results prior to 2018 were received directly from the prior actuary or extracted from the previous valuation system by MERS's technology service provider.

# Tables 8 and 9: Division-Based Comparative Schedules

## Division 01 - DPW

**Table 8-01: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 4,234,114	\$ 3,605,216	85%	\$ 628,898
2012	4,028,810	3,732,886	93%	295,924
2013	4,289,392	3,964,718	92%	324,674
2014	4,594,329	4,144,956	90%	449,373
2015	5,065,997	4,235,234	84%	830,763
2016	5,135,243	4,351,046	85%	784,197
2017	5,244,386	4,462,325	85%	782,061
2018	5,384,787	4,459,467	83%	925,320
2019	5,810,793	4,457,476	77%	1,353,317
2020	6,073,139	4,545,318	75%	1,527,821
2021	6,372,288	5,093,267	80%	1,279,021

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-01: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	19	\$ 881,149	12.86%	2.30%
2012	19	856,300	10.97%	2.30%
2013	20	946,020	11.06%	2.30%
2014	20	929,958	12.08%	2.30%
2015	20	901,017	15.07%	2.30%
2016	19	833,791	15.08%	2.30%
2017	18	851,342	\$ 9,180	5.00%
2018	18	840,383	\$ 10,172	5.00%
2019	15	717,406	\$ 13,093	5.00%
2020	14	741,003	\$ 14,140	5.00%
2021	13	689,495	\$ 12,418	5.00%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 02 - Police Patrol

**Table 8-02: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 9,045,395	\$ 7,155,998	79%	\$ 1,889,397
2012	9,936,249	7,733,715	78%	2,202,534
2013	10,905,480	8,360,322	77%	2,545,158
2014	11,449,292	8,871,931	78%	2,577,361
2015	12,319,976	9,279,287	75%	3,040,689
2016	12,838,642	10,013,827	78%	2,824,815
2017	13,859,271	10,769,157	78%	3,090,114
2018	14,165,177	10,641,630	75%	3,523,547
2019	14,919,602	10,840,396	73%	4,079,206
2020	15,993,574	11,608,591	73%	4,384,983
2021	16,451,486	12,945,624	79%	3,505,862

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-02: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	28	\$ 1,754,080	16.25%	8.29%
2012	27	1,723,624	17.93%	8.29%
2013	28	1,773,779	19.10%	8.29%
2014	25	1,587,254	20.72%	8.29%
2015	27	1,649,619	22.66%	8.29%
2016	27	1,699,331	21.59%	8.29%
2017	28	1,777,631	22.53%	8.29%
2018	29	1,734,688	25.07%	8.29%
2019	29	1,692,903	28.95%	8.29%
2020	23	1,487,021	\$ 44,380	8.29%
2021	19	1,279,034	\$ 38,150	8.29%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 05 - Firefighters

**Table 8-05: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 21,458,833	\$ 9,979,003	47%	\$ 11,479,830
2012	21,924,381	10,296,036	47%	11,628,345
2013	23,137,298	10,871,647	47%	12,265,651
2014	24,841,557	11,507,153	46%	13,334,404
2015	26,584,583	11,924,919	45%	14,659,664
2016	27,867,803	12,930,519	46%	14,937,284
2017	28,177,223	13,516,293	48%	14,660,930
2018	28,979,635	13,874,155	48%	15,105,480
2019	31,435,292	14,460,949	46%	16,974,343
2020	33,615,834	15,569,380	46%	18,046,454
2021	35,787,828	18,249,867	51%	17,537,961

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-05: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	32	\$ 2,115,390	39.70%	7.76%
2012	32	2,070,575	43.48%	7.76%
2013	32	2,123,299	44.85%	7.76%
2014	32	2,061,494	49.38%	7.76%
2015	32	2,037,634	55.69%	7.76%
2016	32	2,086,805	56.20%	7.76%
2017	32	2,033,490	\$ 101,798	7.76%
2018	31	2,019,738	\$ 107,672	7.76%
2019	30	2,128,554	\$ 125,690	7.76%
2020	26	1,972,595	\$ 136,133	7.76%
2021	25	1,868,267	\$ 133,710	7.76%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 10 - Admin Professional

**Table 8-10: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 3,520,950	\$ 2,556,521	73%	\$ 964,429
2012	3,642,837	2,618,706	72%	1,024,131
2013	3,803,228	2,748,191	72%	1,055,037
2014	3,943,903	2,895,820	73%	1,048,083
2015	4,328,690	3,022,706	70%	1,305,984
2016	4,429,119	3,185,399	72%	1,243,720
2017	4,353,843	3,534,108	81%	819,735
2018	4,447,557	3,564,955	80%	882,602
2019	4,655,786	3,604,626	77%	1,051,160
2020	4,955,243	3,755,909	76%	1,199,334
2021	5,211,031	4,228,564	81%	982,467

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-10: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	18	\$ 704,419	15.99%	3.90%
2012	18	696,170	17.13%	3.90%
2013	19	770,061	16.56%	3.90%
2014	17	699,196	17.51%	3.90%
2015	19	756,724	19.68%	3.90%
2016	19	783,370	18.67%	3.90%
2017	17	673,625	\$ 7,925	5.00%
2018	15	617,920	\$ 8,416	5.00%
2019	13	556,959	\$ 9,370	5.00%
2020	10	477,667	\$ 9,893	5.00%
2021	8	360,191	\$ 8,071	5.00%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 11 - Teamsters

**Table 8-11: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 1,580,710	\$ 451,619	29%	\$ 1,129,091
2012	1,584,636	439,610	28%	1,145,026
2013	1,593,999	436,926	27%	1,157,073
2014	1,605,233	442,491	28%	1,162,742
2015	1,737,395	355,421	21%	1,381,974
2016	1,724,994	270,628	16%	1,454,366
2017	1,549,888	1,381,962	89%	167,926
2018	1,488,750	1,396,438	94%	92,312
2019	1,553,728	1,327,599	85%	226,129
2020	1,550,922	1,270,219	82%	280,703
2021	1,554,399	1,332,540	86%	221,859

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-11: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	2	\$ 131,835	53.91%	2.00%
2012	2	132,347	58.92%	2.00%
2013	2	135,314	58.76%	2.00%
2014	2	136,484	58.89%	2.00%
2015	1	66,496	352.21%	2.00%
2016	1	74,010	121.95%	2.00%
2017	1	78,313	13.62%	5.00%
2018	1	81,544	14.04%	5.00%
2019	0	0	\$ 1,516	5.00%
2020	0	0	\$ 1,882	5.00%
2021	0	0	\$ 1,446	5.00%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 12 - Admin Prof on/aft 1/1/17

**Table 8-12: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 0	\$ 0	0%	\$ 0
2012	0	0	0%	0
2013	0	0	0%	0
2014	0	0	0%	0
2015	0	0	0%	0
2016	0	0	0%	0
2017	222	3,915	1764%	(3,693)
2018	12,734	18,490	145%	(5,756)
2019	31,654	38,054	120%	(6,400)
2020	51,880	58,563	113%	(6,683)
2021	65,990	82,666	125%	(16,676)

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-12: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	0	\$ 0	\$ 0	0.00%
2012	0	0	\$ 0	0.00%
2013	0	0	\$ 0	0.00%
2014	0	0	\$ 0	0.00%
2015	0	0	\$ 0	0.00%
2016	0	0	\$ 0	0.00%
2017	2	77,819	5.59%	5.00%
2018	4	147,733	4.15%	5.00%
2019	4	141,313	2.43%	5.00%
2020	5	223,836	3.88%	5.00%
2021	7	275,297	2.99%	5.00%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 13 - DPW on/aft 01/1/17

**Table 8-13: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 0	\$ 0	0%	\$ 0
2012	0	0	0%	0
2013	0	0	0%	0
2014	0	0	0%	0
2015	0	0	0%	0
2016	0	0	0%	0
2017	5,967	5,217	87%	750
2018	20,539	17,555	85%	2,984
2019	40,155	34,950	87%	5,205
2020	74,930	65,589	88%	9,341
2021	114,912	108,096	94%	6,816

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-13: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	0	\$ 0	\$ 0	0.00%
2012	0	0	\$ 0	0.00%
2013	0	0	\$ 0	0.00%
2014	0	0	\$ 0	0.00%
2015	0	0	\$ 0	0.00%
2016	0	0	\$ 0	0.00%
2017	3	83,530	2.87%	5.00%
2018	4	152,299	2.97%	5.00%
2019	7	247,142	3.19%	5.00%
2020	8	362,277	3.50%	5.00%
2021	8	362,436	4.05%	5.00%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 20 - Police Command

**Table 8-20: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 8,805,857	\$ 4,887,113	56%	\$ 3,918,744
2012	9,157,679	5,078,363	56%	4,079,316
2013	9,616,512	5,373,571	56%	4,242,941
2014	10,349,654	5,727,164	55%	4,622,490
2015	11,706,362	6,112,982	52%	5,593,380
2016	12,164,702	6,470,446	53%	5,694,256
2017	12,659,356	6,788,025	54%	5,871,331
2018	14,043,572	7,460,719	53%	6,582,853
2019	15,548,130	7,938,996	51%	7,609,134
2020	16,737,169	8,423,476	50%	8,313,693
2021	18,575,128	10,310,586	56%	8,264,542

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-20: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	9	\$ 681,394	39.51%	11.24%
2012	9	687,414	43.46%	11.24%
2013	9	695,724	45.30%	11.24%
2014	9	685,804	49.49%	11.24%
2015	9	710,674	58.51%	11.24%
2016	9	720,662	59.49%	11.24%
2017	9	748,325	60.62%	11.24%
2018	10	822,149	63.21%	11.24%
2019	10	811,353	77.29%	11.24%
2020	10	867,021	\$ 61,220	11.24%
2021	10	854,662	\$ 62,229	11.24%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 21 - Command/Patrol on/aft 1/1/20

**Table 8-21: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 0	\$ 0	0%	\$ 0
2012	0	0	0%	0
2013	0	0	0%	0
2014	0	0	0%	0
2015	0	0	0%	0
2016	0	0	0%	0
2017	0	0	0%	0
2018	0	0	0%	0
2019	0	0	0%	0
2020	2,727	2,537	93%	190
2021	25,230	27,309	108%	(2,079)

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-21: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	0	\$ 0	\$ 0	0.00%
2012	0	0	\$ 0	0.00%
2013	0	0	\$ 0	0.00%
2014	0	0	\$ 0	0.00%
2015	0	0	\$ 0	0.00%
2016	0	0	\$ 0	0.00%
2017	0	0	\$ 0	0.00%
2018	0	0	\$ 0	0.00%
2019	0	0	\$ 0	0.00%
2020	3	102,595	1.35%	8.29%
2021	6	262,449	1.89%	8.29%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division 50 - Fire on/aft 1/1/17

**Table 8-50: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 0	\$ 0	0%	\$ 0
2012	0	0	0%	0
2013	0	0	0%	0
2014	0	0	0%	0
2015	0	0	0%	0
2016	0	0	0%	0
2017	0	0	0%	0
2018	6,915	7,943	115%	(1,028)
2019	19,826	19,985	101%	(159)
2020	48,456	44,146	91%	4,310
2021	94,072	88,651	94%	5,421

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

The percent funded does not reflect valuation assets from Surplus divisions, if any.

**Table 9-50: Computed Employer Contributions - Comparative Schedule**

Valuation Date December 31	Active Employees		Computed Employer Contribution <sup>1</sup>	Employee Contribution Rate <sup>2</sup>
	Number	Annual Payroll		
2011	0	\$ 0	\$ 0	0.00%
2012	0	0	\$ 0	0.00%
2013	0	0	\$ 0	0.00%
2014	0	0	\$ 0	0.00%
2015	0	0	\$ 0	0.00%
2016	0	0	\$ 0	0.00%
2017	0	0	\$ 0	0.00%
2018	2	57,481	1.63%	7.76%
2019	4	149,751	2.18%	7.76%
2020	6	291,070	3.24%	7.76%
2021	9	418,360	3.90%	7.76%

1 For open divisions, a percent of pay contribution is shown. For closed divisions, a monthly dollar contribution is shown.

2 For each valuation year, the computed employer contribution is based on the employee rate. If the employee rate changes during the applicable fiscal year, the computed employer contribution will be adjusted.

Note: The contributions shown in Table 9 reflect the employer contribution requirement without phase-in. If applicable, the current phase-in contribution is shown in Table 1.

See the Benefit Provision History, later in this report, for past benefit provision changes.

Years where historical information is not available will be displayed with zero values.

## Division S1 - Surplus Assoc Fire

**Table 8-S1: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 0	\$ 0		\$ 0
2012	0	0		0
2013	0	0		0
2014	0	0		0
2015	0	0		0
2016	0	0		0
2017	0	0		0
2018	0	784,360		(784,360)
2019	0	1,639,784		(1,639,784)
2020	0	2,752,888		(2,752,888)
2021	0	4,185,595		(4,185,595)

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

Years where historical information is not available will be displayed with zero values.

## Division S2 - Surplus Assoc Police

**Table 8-S2: Actuarial Accrued Liabilities - Comparative Schedule**

Valuation Date December 31	Actuarial Accrued Liability	Valuation Assets	Percent Funded	Unfunded (Overfunded) Accrued Liabilities
2011	\$ 0	\$ 0		\$ 0
2012	0	0		0
2013	0	0		0
2014	0	0		0
2015	0	0		0
2016	0	0		0
2017	0	0		0
2018	0	784,360		(784,360)
2019	0	1,639,784		(1,639,784)
2020	0	2,752,888		(2,752,888)
2021	0	4,185,595		(4,185,595)

Notes: Actuarial assumptions were revised for the 2011, 2012, 2015, 2019, 2020 and 2021 actuarial valuations.

Years where historical information is not available will be displayed with zero values.

## Table 10: Division-Based Layered Amortization Schedule

### Division 01 - DPW

**Table 10-01: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Initial	12/31/2015	\$ 830,763	23	\$ 872,059	17	\$ 70,716
(Gain)/Loss	12/31/2016	(82,526)	22	(88,705)	17	(7,200)
(Gain)/Loss	12/31/2017	5,781	21	6,160	17	504
Amendment	12/31/2017	(9,047)	21	(9,664)	17	(780)
(Gain)/Loss	12/31/2018	138,266	20	146,953	17	11,916
(Gain)/Loss	12/31/2019	222,251	19	234,846	17	19,044
Assumption	12/31/2019	192,311	19	198,754	17	16,116
Experience	12/31/2020	145,727	18	154,978	17	12,564
Experience	12/31/2021	(255,436)	17	(273,316)	17	(22,164)
<b>Total</b>				<b>\$ 1,242,065</b>		<b>\$ 100,716</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 02 - Police Patrol

**Table 10-02: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Initial	12/31/2015	\$ 3,040,689	23	\$ 3,123,871	17	\$ 253,332
(Gain)/Loss	12/31/2016	(280,062)	22	(301,018)	17	(24,408)
(Gain)/Loss	12/31/2017	260,150	21	277,754	17	22,524
(Gain)/Loss	12/31/2018	394,380	20	419,150	17	33,996
(Gain)/Loss	12/31/2019	(70,906)	19	(74,923)	17	(6,072)
Assumption	12/31/2019	581,584	19	601,243	17	48,756
Experience	12/31/2020	274,390	18	291,809	17	23,664
Experience	12/31/2021	(886,657)	17	(948,723)	17	(76,932)
<b>Total</b>				<b>\$ 3,389,163</b>		<b>\$ 274,860</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 05 - Firefighters

**Table 10-05: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Initial	12/31/2015	\$ 14,659,664	23	\$ 15,034,086	17	\$ 1,219,188
(Gain)/Loss	12/31/2016	(5,596)	22	(6,020)	17	(492)
(Gain)/Loss	12/31/2017	(236,519)	21	(252,506)	17	(20,472)
Amendment	12/31/2017	(168,365)	21	(179,745)	17	(14,580)
(Gain)/Loss	12/31/2018	375,305	20	398,890	17	32,352
(Gain)/Loss	12/31/2019	654,589	19	691,668	17	56,088
Assumption	12/31/2019	1,120,922	19	1,124,095	17	91,164
Experience	12/31/2020	968,055	18	1,029,496	17	83,484
Experience	12/31/2021	(526,655)	17	(563,521)	17	(45,696)
<b>Total</b>				<b>\$ 17,276,443</b>		<b>\$ 1,401,036</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 10 - Admin Professional

**Table 10-10: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Initial	12/31/2015	\$ 1,305,984	23	\$ 1,344,343	17	\$ 109,020
(Gain)/Loss	12/31/2016	(92,486)	22	(99,403)	17	(8,064)
(Gain)/Loss	12/31/2017	(403,688)	21	(430,998)	17	(34,956)
Amendment	12/31/2017	(24,631)	21	(26,302)	17	(2,136)
(Gain)/Loss	12/31/2018	87,723	20	93,229	17	7,560
(Gain)/Loss	12/31/2019	16,887	19	17,836	17	1,452
Assumption	12/31/2019	141,332	19	145,884	17	11,832
Experience	12/31/2020	138,093	18	146,852	17	11,904
Experience	12/31/2021	(223,987)	17	(239,666)	17	(19,440)
<b>Total</b>				<b>\$ 951,775</b>		<b>\$ 77,172</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 11 - Teamsters

**Table 10-11: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Initial	12/31/2015	\$ 1,381,974	23	\$ 1,306,904	17	\$ 105,984
(Gain)/Loss	12/31/2016	982	22	1,052	17	84
(Gain)/Loss	12/31/2017	(1,143,013)	21	(1,220,332)	17	(98,964)
Amendment	12/31/2017	(907)	21	(961)	17	(84)
(Gain)/Loss	12/31/2018	4,855	20	5,147	17	420
(Gain)/Loss	12/31/2019	89,079	19	94,118	17	7,632
Assumption	12/31/2019	44,293	19	46,098	17	3,744
Experience	12/31/2020	44,969	18	47,818	17	3,876
Experience	12/31/2021	(61,510)	17	(65,816)	17	(5,340)
<b>Total</b>				<b>\$ 214,028</b>		<b>\$ 17,352</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 12 - Admin Prof on/aft 1/1/17

**Table 10-12: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
(Gain)/Loss	12/31/2017	\$ (3,693)	15	\$ (3,578)	11	\$ (408)
(Gain)/Loss	12/31/2018	(1,776)	15	(1,776)	12	(192)
(Gain)/Loss	12/31/2019	(1,355)	15	(1,393)	13	(144)
Assumption	12/31/2019	778	15	814	13	84
Experience	12/31/2020	(372)	15	(391)	14	(36)
Experience	12/31/2021	(10,116)	15	(10,824)	15	(960)
<b>Total</b>				<b>\$ (17,148)</b>		<b>\$ (1,656)</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 13 - DPW on/aft 01/1/17

**Table 10-13: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
(Gain)/Loss	12/31/2017	\$ 750	15	\$ 721	11	\$ 84
(Gain)/Loss	12/31/2018	2,176	15	2,191	12	228
(Gain)/Loss	12/31/2019	1,609	15	1,642	13	168
Assumption	12/31/2019	461	15	446	13	48
Experience	12/31/2020	4,040	15	4,245	14	396
Experience	12/31/2021	(2,718)	15	(2,908)	15	(264)
<b>Total</b>				<b>\$ 6,337</b>		<b>\$ 660</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 20 - Police Command

**Table 10-20: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Initial	12/31/2015	\$ 5,593,380	23	\$ 5,751,650	17	\$ 466,428
(Gain)/Loss	12/31/2016	(22,439)	22	(24,124)	17	(1,956)
(Gain)/Loss	12/31/2017	129,426	21	138,192	17	11,208
(Gain)/Loss	12/31/2018	663,143	20	704,813	17	57,156
(Gain)/Loss	12/31/2019	374,994	19	396,229	17	32,136
Assumption	12/31/2019	574,489	19	580,257	17	47,052
Experience	12/31/2020	646,378	18	687,397	17	55,740
Experience	12/31/2021	(73,580)	17	(78,731)	17	(6,384)
<b>Total</b>				<b>\$ 8,155,683</b>		<b>\$ 661,380</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 21 - Command/Patrol on/aft 1/1/20

**Table 10-21: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Experience	12/31/2021	\$ (2,102)	15	\$ (2,249)	15	\$ (204)
<b>Total</b>				<b>\$ (2,249)</b>		<b>\$ (204)</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## Division 50 - Fire on/aft 1/1/17

**Table 10-50: Layered Amortization Schedule**

Type of UAL	Date Established	Original Balance <sup>1</sup>	Original Amortization Period <sup>2</sup>	Amounts for Fiscal Year Beginning 1/1/2023		
				Outstanding UAL Balance <sup>3</sup>	Remaining Amortization Period <sup>2</sup>	Annual Amortization Payment
Experience	12/31/2020	\$ 4,310	15	\$ 4,532	14	\$ 420
Experience	12/31/2021	779	15	834	15	72
<b>Total</b>				<b>\$ 5,366</b>		<b>\$ 492</b>

<sup>1</sup> For each type of UAL (layer), this is the original balance as of the date the layer was established.

<sup>2</sup> According to the MERS amortization policy, each type of UAL (layer) is amortized over a specific period (see Appendix on MERS website).

<sup>3</sup> This is the remaining balance as of the valuation date, projected to the beginning of the fiscal year shown above.

The unfunded accrued liability (UAL) as of December 31, 2021 (see Table 6) is projected to the beginning of the fiscal year for which the contributions are being calculated. This allows the 2021 valuation to take into account the expected future contributions that are based on past valuations. Each type of UAL (layer) is amortized over the appropriate period. Please see the Appendix on the MERS website for a detailed description of the amortization policy.

Note: The original balance and original amortization periods prior to 12/31/2018 were received from the prior actuary.

## GASB Statement No. 68 Information

The following information has been prepared to provide some of the information necessary to complete GASB Statement No. 68 disclosures. GASB Statement No. 68 is effective for fiscal years beginning after June 15, 2014. Additional resources, including an Implementation Guide, are available at <http://www.mersofmich.com/>.

Actuarial Valuation Date:		12/31/2021
Measurement Date of the Total Pension Liability (TPL):		12/31/2021
At 12/31/2021, the following employees were covered by the benefit terms:		
Inactive employees or beneficiaries currently receiving benefits:		110
Inactive employees entitled to but not yet receiving benefits (including refunds):		87
Active employees:		<u>105</u>
		302
Total Pension Liability as of 12/31/2020 measurement date:	\$	76,714,010
Total Pension Liability as of 12/31/2021 measurement date:	\$	81,695,314
Service Cost for the year ending on the 12/31/2021 measurement date:	\$	964,989
Change in the Total Pension Liability due to:		
- Benefit changes <sup>1</sup> :	\$	0
- Differences between expected and actual experience <sup>2</sup> :	\$	(817,059)
- Changes in assumptions <sup>2</sup> :	\$	3,259,691
Average expected remaining service lives of all employees (active and inactive):		4

<sup>1</sup> A change in liability due to benefit changes is immediately recognized when calculating pension expense for the year.

<sup>2</sup> Changes in liability due to differences between actual and expected experience, and changes in assumptions, are recognized in pension expense over the average remaining service lives of all employees.

Covered employee payroll (Needed for Required Supplementary Information):	\$	6,370,191
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Note: Covered employee payroll may differ from the GASB Statement No. 68 definition.

Sensitivity of the Net Pension Liability to changes in the discount rate:

	1% Decrease <u>(6.25%)</u>	Current Discount Rate <u>(7.25%)</u>	1% Increase <u>(8.25%)</u>
Change in Net Pension Liability as of 12/31/2021:	\$ 10,660,282	\$ 0	\$ (8,758,173)

Note: The current discount rate shown for GASB Statement No. 68 purposes is higher than the MERS assumed rate of return. This is because for GASB Statement No. 68 purposes, the discount rate must be gross of administrative expenses, whereas for funding purposes it is net of administrative expenses.

## GASB Statement No. 68 Information

This page is for those municipalities who need to “roll-forward” their total pension liability due to the timing of completion of the actuarial valuation in relation to their fiscal year-end.

The following information has been prepared to provide some of the information necessary to complete GASB Statement No. 68 disclosures. GASB Statement No. 68 is effective for fiscal years beginning after June 15, 2014. Additional resources, including an Implementation Guide, are available at [www.mersofmich.com](http://www.mersofmich.com).

Actuarial Valuation Date:		12/31/2021
Measurement Date of the Total Pension Liability (TPL):		12/31/2022
At 12/31/2021, the following employees were covered by the benefit terms:		
Inactive employees or beneficiaries currently receiving benefits:		110
Inactive employees entitled to but not yet receiving benefits (including refunds):		87
Active employees:		<u>105</u>
		302
Total Pension Liability as of 12/31/2021 measurement date:	\$	79,066,731
Total Pension Liability as of 12/31/2022 measurement date:	\$	83,970,638
Service Cost for the year ending on the 12/31/2022 measurement date:	\$	976,510
Change in the Total Pension Liability due to:		
- Benefit changes <sup>1</sup> :	\$	0
- Differences between expected and actual experience <sup>2</sup> :	\$	(679,071)
- Changes in assumptions <sup>2</sup> :	\$	3,315,314
Average expected remaining service lives of all employees (active and inactive):		4

<sup>1</sup> A change in liability due to benefit changes is immediately recognized when calculating pension expense for the year.

<sup>2</sup> Changes in liability due to differences between actual and expected experience, and changes in assumptions, are recognized in pension expense over the average remaining service lives of all employees.

Covered employee payroll (Needed for Required Supplementary Information):	\$	6,370,191
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Note: Covered employee payroll may differ from the GASB Statement No. 68 definition.

Sensitivity of the Net Pension Liability to changes in the discount rate:

	1% Decrease <u>(6.25%)</u>	Current Discount Rate <u>(7.25%)</u>	1% Increase <u>(8.25%)</u>
Change in Net Pension Liability as of 12/31/2022:	\$ 10,835,056	\$ 0	\$ (8,909,965)

Note: The current discount rate shown for GASB Statement No. 68 purposes is higher than the MERS assumed rate of return. This is because for GASB Statement No. 68 purposes, the discount rate must be gross of administrative expenses, whereas for funding purposes it is net of administrative expenses.



# Benefit Provision History

The following benefit provision history is provided by MERS. Any corrections to this history or discrepancies between this information and information displayed elsewhere in the valuation report should be reported to MERS. All provisions are listed by date of adoption.

## 01 - DPW

1/1/2017	Day of Work defined as 10 8 hour days
1/1/2017	Non Standard Compensation Definition
1/1/2017	Participant Contribution Rate 5%
12/1/2016	Service Credit Purchase Estimates - Yes
7/1/2005	Benefit B-3 (80% max)
7/1/2005	Member Contribution Rate 2.30%
7/10/2001	Covered by Act 88
7/1/1997	Benefit B-2
7/1/1997	Benefit F55 (With 20 Years of Service)
7/1/1995	Benefit FAC-5 (5 Year Final Average Compensation)
7/1/1995	6 Year Vesting
7/1/1995	Benefit C-1 (New)
7/1/1995	Member Contribution Rate 0.00%
7/1/1995	Fiscal Month - January
	Defined Benefit Normal Retirement Age - 60
	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years

## 02 - Police Patrol

1/1/2019	Day of work defined as 80 Hours a Month for All employees.
12/1/2016	Service Credit Purchase Estimates - Yes
1/1/2007	Member Contribution Rate 8.29%
12/1/2005	Benefit D2 Plan
12/1/2005	Benefit FAC-3 (3 Year Final Average Compensation)
12/1/2005	2.75% Multiplier (80% max)
12/1/2005	Member Contribution Rate 8.79%
1/1/2002	Member Contribution Rate 4.50%
7/10/2001	Covered by Act 88
1/1/2000	Benefit B-4 (80% max)
1/1/2000	Member Contribution Rate 6.50%
1/1/2000	E2 2.5% COLA for future retirees (01/01/2000)
1/1/1999	Member Contribution Rate 2.50%
7/1/1996	Benefit FAC-5 (5 Year Final Average Compensation)
7/1/1996	10 Year Vesting
7/1/1996	Benefit B-3 (80% max)
7/1/1996	Benefit F50 (With 25 Years of Service)
7/1/1996	Member Contribution Rate 3.50%
7/1/1995	Fiscal Month - January
	Defined Benefit Normal Retirement Age - 60
	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years

## 05 - Firefighters

1/1/2017	Day of work defined as 100.8 hours in a month
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## 05 - Firefighters

1/1/2017	Non Standard Compensation Definition
1/1/2017	Benefit B-4 (80% max)
12/31/2016	Current FAC
12/1/2016	Service Credit Purchase Estimates - Yes
1/1/2005	Member Contribution Rate 7.76%
1/1/2004	2.75% Multiplier (80% max)
1/1/2004	Member Contribution Rate 8.07%
7/10/2001	Covered by Act 88
7/1/1999	Benefit D2 Plan
7/1/1999	Benefit FAC-3 (3 Year Final Average Compensation)
7/1/1999	10 Year Vesting
7/1/1999	Benefit B-4 (80% max)
7/1/1999	Benefit F50 (With 25 Years of Service)
7/1/1999	Member Contribution Rate 4.19%
7/1/1999	E2 2.5% COLA for future retirees (07/01/1999)
7/1/1995	Fiscal Month - January
	Defined Benefit Normal Retirement Age - 60
	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years

## 10 - Admin Professional

4/1/2017	Participant Contribution Rate 5%
1/1/2017	Day of Work defined as 10 8 hour days
1/1/2017	Non Standard Compensation Definition
1/1/2017	Benefit B-3 (80% max)
12/31/2016	Current FAC
12/1/2016	Service Credit Purchase Estimates - Yes
1/1/2007	Benefit B-4 (80% max)
1/1/2007	Member Contribution Rate 3.90%
1/1/2004	Benefit B-3 (80% max)
1/1/2004	Member Contribution Rate 1.50%
7/10/2001	Covered by Act 88
7/1/2000	Benefit B-2
7/1/2000	Member Contribution Rate 0.60%
1/1/1998	Benefit FAC-5 (5 Year Final Average Compensation)
1/1/1998	10 Year Vesting
1/1/1998	Benefit C-1 (New)
1/1/1998	Benefit F55 (With 25 Years of Service)
1/1/1998	Member Contribution Rate 0.00%
7/1/1995	Fiscal Month - January
	Defined Benefit Normal Retirement Age - 60
	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years

## 11 - Teamsters

1/1/2018	Participant Contribution Rate 5%
12/1/2016	Service Credit Purchase Estimates - Yes
1/1/2004	6 Year Vesting
1/1/2002	Member Contribution Rate 2.00%
7/10/2001	Covered by Act 88
7/1/2000	Benefit FAC-5 (5 Year Final Average Compensation)



## 11 - Teamsters

7/1/2000	10 Year Vesting
7/1/2000	Benefit B-2
7/1/2000	Benefit F55 (With 20 Years of Service)
7/1/2000	Member Contribution Rate 0.00%
7/1/1995	Fiscal Month - January
	Defined Benefit Normal Retirement Age - 60
	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years

## 12 - Admin Prof on/aft 1/1/17

1/1/2017	Day of Work defined as 10 8 hour days
1/1/2017	Benefit FAC-5 (5 Year Final Average Compensation)
1/1/2017	Non Standard Compensation Definition
1/1/2017	10 Year Vesting
1/1/2017	Defined Benefit Normal Retirement Age - 60
1/1/2017	Service Credit Purchase Estimates - Yes
1/1/2017	Benefit C-1 (New)
1/1/2017	Benefit F55 (With 25 Years of Service)
1/1/2017	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years
1/1/2017	Participant Contribution Rate 5%
7/10/2001	Covered by Act 88
7/1/1995	Fiscal Month - January

## 13 - DPW on/aft 01/1/17

1/1/2017	Day of Work defined as 10 8 hour days
1/1/2017	Benefit FAC-5 (5 Year Final Average Compensation)
1/1/2017	Non Standard Compensation Definition
1/1/2017	6 Year Vesting
1/1/2017	Defined Benefit Normal Retirement Age - 60
1/1/2017	Service Credit Purchase Estimates - Yes
1/1/2017	1.5% multiplier (80% max)
1/1/2017	Benefit F55 (With 20 Years of Service)
1/1/2017	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years
1/1/2017	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years
1/1/2017	Participant Contribution Rate 5%
7/10/2001	Covered by Act 88
7/1/1995	Fiscal Month - January

## 20 - Police Command

1/1/2020	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years
1/1/2019	Day of work defined as 80 Hours a Month for All employees.
7/1/2018	Non Standard Compensation Definition
12/1/2016	Service Credit Purchase Estimates - Yes
8/1/2005	2.75% Multiplier (80% max)
8/1/2005	Member Contribution Rate 11.24%
1/1/2005	Member Contribution Rate 5.50%
1/1/2003	Member Contribution Rate 8.00%
1/1/2002	Member Contribution Rate 7.00%
1/1/2002	E2 2.5% COLA for future retirees (07/01/2001)
7/10/2001	Covered by Act 88



## 20 - Police Command

7/1/2001	Benefit D2 Plan
7/1/2001	Benefit B-4 (80% max)
7/1/2001	Benefit F50 (With 25 Years of Service)
7/1/2001	Member Contribution Rate 6.00%
1/1/2001	Member Contribution Rate 4.50%
1/1/1998	Benefit FAC-3 (3 Year Final Average Compensation)
1/1/1998	10 Year Vesting
1/1/1998	Benefit B-3 (80% max)
1/1/1998	Benefit F55 (With 15 Years of Service)
1/1/1998	Eligible at Age 52 (With 25 Years of Service)
1/1/1998	Member Contribution Rate 5.50%
7/1/1995	Fiscal Month - January
	Defined Benefit Normal Retirement Age - 60
	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years

## 21 - Command/Patrol on/aft 1/1/20

1/1/2020	Day of work defined as 80 Hours a Month for All employees.
1/1/2020	Benefit D2 Plan
1/1/2020	Benefit FAC-3 (3 Year Final Average Compensation)
1/1/2020	Non Standard Compensation Definition
1/1/2020	10 Year Vesting
1/1/2020	Defined Benefit Normal Retirement Age - 60
1/1/2020	Service Credit Purchase Estimates - Yes
1/1/2020	1.75% multiplier
1/1/2020	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years
1/1/2020	Benefit F55 (With 25 Years of Service)
1/1/2020	Participant Contribution Rate 8.29%
7/10/2001	Covered by Act 88
7/1/1995	Fiscal Month - January

## 50 - Fire on/aft 1/1/17

1/1/2017	Day of work defined as 100.8 hours in a month
1/1/2017	Benefit D2 Plan
1/1/2017	Benefit FAC-3 (3 Year Final Average Compensation)
1/1/2017	Non Standard Compensation Definition
1/1/2017	10 Year Vesting
1/1/2017	Defined Benefit Normal Retirement Age - 60
1/1/2017	Service Credit Purchase Estimates - Yes
1/1/2017	1.75% multiplier
1/1/2017	Benefit F55 (With 25 Years of Service)
1/1/2017	Early Reduced (.5%) at Age 50 with 25 Years or Age 55 with 15 Years
1/1/2017	Participant Contribution Rate 7.76%
7/10/2001	Covered by Act 88
7/1/1995	Fiscal Month - January

## S1 - Surplus Assoc Fire

7/1/1995	Fiscal Month - January
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**S2 - Surplus Assoc Police**

7/1/1995

Fiscal Month - January

# Plan Provisions, Actuarial Assumptions, and Actuarial Funding Method

Details on MERS plan provisions, actuarial assumptions, and actuarial methodology can be found in the Appendix. Some actuarial assumptions are specific to this municipality and its divisions. These are listed below.

## Increase in Final Average Compensation

Division	FAC Increase Assumption
All Divisions	1.00%

## Miscellaneous and Technical Assumptions

Loads – None.

**Amortization Policy for Closed Not Linked Divisions:** The default funding policy for closed not linked divisions, including open divisions with zero active members, is to follow a non-accelerated amortization, where each closed period decreases by one year each year until the period is exhausted. In select instances, closed not linked division(s) may follow an accelerated amortization policy.

## Risk Commentary

Determination of the accrued liability, the employer contribution, and the funded ratio requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability, the actuarially determined contribution and the funded ratio that result from the differences between actual experience and the actuarial assumptions.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contribution requirements based on the Plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

- **Investment Risk** – actual investment returns may differ from the expected returns;
- **Asset/Liability Mismatch** – changes in asset values may not match changes in liabilities, thereby altering the gap between the accrued liability and assets and consequently altering the funded status and contribution requirements;
- **Salary and Payroll Risk** – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability and contributions differing from expected;
- **Longevity Risk** – members may live longer or shorter than expected and receive pensions for a period of time other than assumed; and
- **Other Demographic Risks** – members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example, if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be expected to increase (or decrease). Likewise, if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

## PLAN MATURITY MEASURES

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of members in pay status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures include the following:

	<u>12/31/2021</u>	<u>12/31/2020</u>	<u>12/31/2019</u>	<u>12/31/2018</u>
1. Ratio of the market value of assets to total payroll	9.6	8.0	7.0	6.1
2. Ratio of actuarial accrued liability to payroll	13.2	12.1	11.5	10.6
3. Ratio of actives to retirees and beneficiaries	1.0	1.0	1.1	1.2
4. Ratio of market value of assets to benefit payments	14.7	13.5	12.7	11.8
5. Ratio of net cash flow to market value of assets (boy)	2.2%	1.8%	2.0%	2.4%

### **RATIO OF MARKET VALUE OF ASSETS TO TOTAL PAYROLL**

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll.

### **RATIO OF ACTUARIAL ACCRUED LIABILITY TO PAYROLL**

The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

### **RATIO OF ACTIVES TO RETIREES AND BENEFICIARIES**

A young plan with many active members and few retirees will have a high ratio of actives to retirees. A mature open plan may have close to the same number of actives to retirees resulting in a ratio near 1.0. A super-mature or closed plan may have significantly more retirees than actives resulting in a ratio below 1.0.

### **RATIO OF MARKET VALUE OF ASSETS TO BENEFIT PAYMENTS**

The MERS' Actuarial Policy requires a total minimum contribution equal to the excess (if any) of three times the expected annual benefit payments over the projected market value of assets as of the participating municipality or court's Fiscal Year for which the contribution applies. The ratio of market value of assets to benefit payments as of the valuation date provides an indication of whether the division is at risk for triggering the minimum contribution rule in the near term. If the division triggers this minimum contribution rule, the required employer contributions could increase dramatically relative to previous valuations.

### **RATIO OF NET CASH FLOW TO MARKET VALUE OF ASSETS**

A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a super-mature plan or a need for additional contributions.



## State Reporting

The following information has been prepared to provide some of the information necessary to complete the Public Act 202 pension reporting requirements for the State of Michigan’s Local Government Retirement System Annual Report (Form No. 5572). Additional resources are available at [www.mersofmich.com](http://www.mersofmich.com) and on the State [website](#).

Form 5572		
Line Reference	Description	Result
<b>10</b>	<b>Membership as of December 31, 2021</b>	
11	Indicate number of active members	105
12	Indicate number of inactive members (excluding pending refunds)	37
13	Indicate number of retirees and beneficiaries	110
<b>14</b>	<b>Investment Performance for Calendar Year Ending December 31, 2021<sup>1</sup></b>	
15	Enter actual rate of return - prior 1-year period	14.13%
16	Enter actual rate of return - prior 5-year period	9.96%
17	Enter actual rate of return - prior 10-year period	9.11%
<b>18</b>	<b>Actuarial Assumptions</b>	
19	Actuarial assumed rate of investment return <sup>2</sup>	7.00%
20	Amortization method utilized for funding the system's unfunded actuarial accrued liability, if any	Level Percent
21	Amortization period utilized for funding the system's unfunded actuarial accrued liability, if any <sup>3</sup>	17
22	Is each division within the system closed to new employees? <sup>4</sup>	No
<b>23</b>	<b>Uniform Assumptions</b>	
24	Enter retirement pension system's actuarial value of assets using uniform assumptions	\$56,319,549
25	Enter retirement pension system's actuarial accrued liabilities using uniform assumptions <sup>5</sup>	\$85,797,645
27	Actuarially Determined Contribution (ADC) using uniform assumptions, Fiscal Year Ending December 31, 2022	\$3,644,556

1. The Municipal Employees’ Retirement System’s investment performance has been provided to GRS from MERS Investment Staff and is included here for reporting purposes. The investment performance figures reported are net of investment expenses on a rolling calendar year basis for the previous 1-, 5-, and 10-year periods as required under PA 530.
2. Net of administrative and investment expenses.
3. Populated with the longest amortization period remaining in the amortization schedule, across all divisions in the plan. This is when each division and the plan in total is expected to reach 100% funded if all assumptions are met.
4. If all divisions within the employer are closed, “yes.” If at least one division is open (including shadow divisions), “no.”
5. Line 25 actuarial accrued liability is determined under PA 202 uniform assumptions which differ from the valuation assumptions. In particular, the assumed rate of return for PA 202 purposes is 6.85%.





9.A

**CONSENT AGENDA  
BOARD  
COMMUNICATIONS  
July 12, 2022**

**From:** Dan Opsommer <opsommer@meridian.mi.us>  
**Date:** July 5, 2022 at 5:52:29 PM EDT  
**To:** Steve Wight  
**Cc:** Board <Board@meridian.mi.us>  
**Subject:** RE: Fireworks?

Hi Mr. Wright,

Thank you for your email. Supervisor Jackson has asked me to respond to your email and get the data points you requested. Our Police and Fire Departments are compiling the data you requested in your second and third questions.

To answer your first question: How much revenue does the township get on the sale of fireworks here in the township? Both by permits for sellers and the amount from buyers?"

The Township does NOT receive any permit, sales tax or any other form of revenue involving fireworks.

Please bear with me as I walk through the 11 year history of how state law has changed dramatically as it relates to fireworks and the manner in which state law restricts local government regulation of fireworks. So I don't bury this critical information in this email, the Meridian Township Board has already adopted the most restrictive ordinance they are legally allowed to adopt under state law. The Township Board needs state lawmakers to allow for greater local control or to restore the statewide ban on most fireworks that was in effect prior to 2011. Should you wish to contact your state lawmakers after reviewing the rest of the information in this email, here is their contact information:

**State Sen. Curtis Hertel, Jr.**

Phone: 517-373-1734

Email: senchertel@senate.michigan.gov

**State Rep. Julie Brixie**

Phone: 517-373-1786

Email: juliebrixie@house.mi.gov

The growing issue with fireworks in Michigan was caused in 2011 when the Michigan Legislature legalized the sale, purchase, and use of fireworks by adults 18 or older. The law the Legislature passed is the Michigan Fireworks Safety Act, Public Act 256 of 2011 (the law is linked here and attached to this email for your review). Prior to this bill becoming law, it was unlawful to possess airborne fireworks and many other fireworks in Michigan. We had one of the most restrictive fireworks laws in the entire nation, which is why firework use was far less than it is today.

Forcing people to go to Indiana or Ohio greatly reduced the number of fireworks in the state and the outright ban made it much easier to enforce the law because simply possessing the fireworks was illegal. Now we have one of the least restrictive laws in the entire country and state law prevents local governments from regulating fireworks more strictly than state law. It's also terribly difficult to enforce the state law now because the number one enforcement mechanism was finding people who were in possession of illegal fireworks. It's difficult to catch people in the act of igniting them. This has always been true, but now there is nothing illegal about someone being in possession of the fireworks. Before this 2011 law, if someone ignited fireworks, was reported by their neighbors, and had fireworks in their possession when police responded, they could be ticketed and the fireworks could be taken. Now police have to catch people igniting them during a day and/or time that is not permitted under state law.

Additionally, the Michigan Fireworks Safety Act, as adopted in 2011, prohibited local governments from regulating the sale, purchase and use of fireworks more strictly than state law. Under this 2011 law, residents could use fireworks on 30 days established in the law.

After residents pushed back on lawmakers for seven years, the Legislature then amended the law in 2018 to allow local governments to reduce the number of days that residents can legally use fireworks down to a minimum of 12-13 days, which the Meridian Township Board did on April 23, 2019 when it adopted of the attached ordinance.

Under this 2018 amendment to state law, local governments must allow firework use on the following days beginning at 11 a.m.:

- Dec. 31 until Jan. 1 at 1 a.m.
- Saturday and Sunday before Memorial Day until 11:45 p.m.
- June 29 through July 4 until 11:45 p.m. each day
- July 5, if it falls on a Friday or Saturday, until 11:45 p.m. **(this is why it is 12-13 days)**
- Saturday and Sunday before Labor Day until 11:45 p.m.

We are working to compile the data you requested in your second and third questions. I will follow up with that information once it is compiled.

Thank you again for your email and please let me know if you have any questions.

Have a wonderful evening,

**Dan Opsommer**

Assistant Township Manager

Director of Public Works & Engineering

[opsommer@meridian.mi.us](mailto:opsommer@meridian.mi.us)

Work: 517.853.4440 | Fax: 517.853.4099

5151 Marsh Road | Okemos, MI 48864

**From:** Steve Wight <SteveWight@msn.com>

**Sent:** Tuesday, July 5, 2022 1:56 PM

**To:** Board <Board@meridian.mi.us>

**Subject:** Fireworks?

I have in the past sent emails concerning fireworks. I've gotten the very typical 'o well' replies. I've had it with fireworks and the number of days the township allows.

Many other cities, townships in Michigan have gone back on the number of days, times and types of fireworks they allow. It's well past time that Meridian Township does the same.

I'm going to ask a couple of questions.

Knowing that ya'll will come up with some excuse NOT to get me the information I'm looking for.

Question #1. How much revenue does the township get on the sale of fireworks here in the township? Both by permits for sellers and the amount from buyers?

Question #2. How many calls does the police, fire and emt depts respond to for firework incidents. Total can be for the year or by month as there are well over 30 days a year that YOU allow fireworks to be used?

Question #3, How many tickets are issued for firework ordinance violations? again, can be per year or month.

I've had enough of this. It's not gotten any better, it's gotten worse every year since you've gone to expand the number of days and times and types of fireworks.

Do you make enough money off the sale to actually pay for all the calls the police, fire and emt's have to respond to?

This past weekend as just ANOTHER example of how bad it is.

People have no concern of the direction the shoot these things off in.

I had debris raining down thru my trees and onto the roof of the house and garage.

Sat. night, July 2<sup>rd</sup> and Sun. Night, July 3<sup>rd</sup>, well after 1:00 am, there were still fireworks being shot off.

So, your time limit really doesn't seem to be working.

Monday night, July 4th. Things got a tad bit more concerning as a 'person' in the area of which I live. After shooting of fireworks in all directions at 'low' heights, thought his best idea was to take all the firework trash out to the side of franklin street in front of his house and set it ablaze. He walked back into his house and shut off all the lights. There was NO Water Hose. The Fire Dept was called, I wonder if any type of ticket was issued?

So here I am, pissed off that I have trash raining down, people not having any concern about others and now a FIRE on the side of the road.

It's time to go back and redo the fireworks ordinance.

There is ONLY 1 Day that I can really think of for this and it's July 4th.  
Also the types of fireworks need to be addressed. These high powered mortars have no place in the neighborhood's where house's and such are close to each other.

Do I think you will actually do anything about this?

Nope, not really.

You will send some automated reply and cave like you do.

More than likely, no one will get me the answer's to the questions I've asked.

S. Wight

**From:** Joyce  
**Date:** June 26, 2022 at 9:01:37 AM EDT  
**To:** Board <Board@meridian.mi.us>  
**Cc:** Dan Opsommer <opsommer@meridian.mi.us>  
**Subject:** Water main break

Township Board:

I would like to extend my sincere thanks to the M-Team for the outstanding work they did fixing the water main break, keeping our citizens informed and focusing on our safety. I'm so proud to be a part of our Prime Community. I appreciate all the work you do !

Sincerely,

Joyce Van Coevering.

Sent from my iPhone



June 1, 2022

Ms. Brandie Yates, Communications Manager  
Meridian Township  
5151 Marsh Road  
Okemos, MI 48864

RE: Regional Sports Networks

Dear Ms. Yates:

We are committed to keeping you and our customers informed about changes to Xfinity TV services. As you may know, many sporting events and broadcasts were put on hold during the pandemic. We have been working hard to recover the fees regional sports networks charged us for those sporting events and broadcasts during the hiatus to pass back to our customers.

We are currently notifying customers in your community of a courtesy adjustment related to these fees. This adjustment reflects what has been committed to us by the regional sports networks in your area to date. We will continue to work to recover additional funds where possible. We are committed to giving our customers 100% of what we receive.

Please feel free to contact me at 734-359-2077 if you have any questions.

Sincerely,

Benjamin Miller  
Director, External Affairs  
Comcast, Heartland Region  
1401 E. Miller Rd.  
Lansing, MI 48911



9.B

**CONSENT AGENDA  
PROPOSED BOARD MINUTES  
JULY 12th, 2022**

**PROPOSED MOTION:**

- (1) Move to approve and ratify the minutes of the Regular Meeting of June 21, 2022, as submitted.**

**ALTERNATE MOTION:**

- (1) Move to approve and ratify the minutes of the Regular Meeting of June 21, 2022 with the following  
  
amendment(s):[insert amendments]**

CHARTER TOWNSHIP OF MERIDIAN  
REGULAR MEETING TOWNSHIP BOARD 2022 **-DRAFT-**  
5151 Marsh Road, Okemos MI 48864-1198  
853-4000, Township Hall Room  
TUESDAY, June 21<sup>st</sup>, 2022 **6:00 pm**

PRESENT: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

ABSENT: Trustees Sundland, Wisinski

STAFF: Township Manager Walsh, Chief of Police Plaga, Community Planning and Development Director Schmitt, Director of Economic Development Clark, IT Director Gebes, Clerk's Assistant Zachary Lemaster, Multimedia Staff Samantha Diehl, Attorney Cullen Harkness

1. CALL MEETING TO ORDER

Supervisor Jackson called the meeting to order at 6:01 pm.

2. PLEDGE OF ALLEGIANCE/INTRODUCTIONS

Supervisor Jackson led the Pledge of Allegiance.

3. ROLLCALL

Clerk's Assistant Lemaster called the roll of the Board. Trustee Sundland and Trustee Wisinski were absent. All others present.

4. PRESENTATION-NONE

5. CITIZENS ADDRESS AGENDA ITEMS AND NON-AGENDA ITEMS

Supervisor Jackson opened Public Remarks at 6:02 pm.

NONE

Supervisor Jackson Closed Public remarks at 6:04 pm.

6. TOWNSHIP MANAGER REPORT

Manager Walsh thanked Ingham County and the Board of Commissioners for hosting a discussion concerning the Commercial Rehabilitation Act in Haslett. The Local Road Program is moving forward. The Okemos Road Bridge and the Grand River project are both on schedule. Thanked Judge Stokes for speaking at the township's Juneteenth celebration for employees. Tomorrow is a meeting with Director Schmitt and Williamstown Township Supervisor Bloomquist on potentially working together on Code Enforcement. The Township Semi-Annual report should be received by the first of July. Celebrate Meridian kicks off on Saturday following the Farmers Market. The Township Pension fund is closed and funded, Township

Retiree Health Care is funded at 98.5% and the MERS pension is funded at 72%. Two additional Police Candidates will be before the board shortly bringing the total to four potential officers in the academy. The Board of Water and Light is talking about potential blackouts in the future. There is a meeting tomorrow with Consumers on power lines for the Okemos Project. Thanked Fire Chief Mike Hamel for his four year anniversary and also being the outgoing Rotary Club President. He congratulated Treasurer Deschaine for becoming the new Rotary Club President and congratulated Trustee Wilson for being chosen as the annual Rotary Hero.

7. BOARD MEMBER REPORTS OF ACTIVITIES AND ANNOUNCEMENTS

Treasurer Deschaine

- Attended the CATA board meeting last week, ridership is up, and rates have remained the same
- Attended Zoning Board of Appeals meeting last week
- Tax notices will be mailed out in the next two weeks in a new format and taxes are due September 14<sup>th</sup>

Trustee Wilson

- Attended the Sunday Juneteenth Service at Trinity Church with Reverend Marvin Williams
- Attended Employee Juneteenth event on Monday

8. APPROVAL OF AGENDA

**Treasurer Deschaine moved to approve the agenda as presented. Seconded by Trustee Wilson.**

VOICE VOTE: YEAS: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

NAYS: None

Motion carried: 5-0

9. CONSENT AGENDA

Supervisor Jackson reviewed the Consent Agenda.

**Trustee Hendrickson to approve the Consent Agenda as presented. Seconded by Trustee Wilson.**

ROLL CALL VOTE: YEAS: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

NAYS: None

Motion carried: 5-0

A. Communications

**Trustee Hendrickson moved that the communications not already assigned for disposition be referred to the Township Manager or Supervisor for follow-up. Seconded by Trustee Hendrickson.**

ROLL CALL VOTE: YEAS: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

NAYS: None

Motion carried: 5-0

B. Approval of Minutes – June 7<sup>th</sup>, 2022 Regular Meeting

**Trustee Hendrickson moved to approve and ratify the minutes of June 7<sup>th</sup>, 2022 Regular Meeting as presented. Seconded by Trustee Hendrickson.**

ROLL CALL VOTE: YEAS: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

NAYS: None

Motion carried: 5-0

C. Bills

**Trustee Hendrickson moved to approve that the Township Board approve the Manager’s Bills as follows: Seconded by Trustee Hendrickson.**

<b>Common Cash</b>		\$	<b>446,756.08</b>
<b>Public Works</b>		\$	<b>514,426.96</b>
<b>Trust &amp; Agency</b>		\$	<b>0.00</b>
	<b>Total Checks</b>	\$	<b>961,183.04</b>
<b>Credit Card Transactions</b>		\$	<b>12,870.24</b>
<b>06/02/22 to 06/15/2022</b>			
	<b>Total Purchases</b>	\$	<b>974,053.28</b>
<b>ACH Payments</b>		\$	<b>1,035,235.94</b>

ROLL CALL VOTE: YEAS: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

NAYS: None

Motion carried: 5-0

10. QUESTIONS FOR THE ATTORNEY – NONE

11. HEARINGS-NONE

12. ACTION ITEMS

A. Ordinance 2022-10 – Decks in Planned Unit Developments-**Introduction**

Director Schmitt outlined Ordinance 2022-10, Decks in Planned Unit Developments for introduction.

Supervisor Jackson asked Director Schmitt for further explanation.

Director Schmitt replied the legal documents establishing these neighborhoods are for general condominiums. Condos generally have an envelope and in the past the envelope only covered the building itself which left out any additional space for decks. Changing the deck would change the open space in the project and this amendment would give these residents additional flexibility in this specific scenario.

**Treasurer Deschaine moved to adopt the resolution approving for introduction Zoning Amendment 2022-10 to amend the Zoning Ordinance of the Charter Township of Meridian at Section 86-439 to amend the standards for enlarging decks in Planned Unit Developments. Seconded by Trustee Wilson.**

Treasurer Deschaine thanked staff for helping the board address issues.

Trustee Wilson spoke in support of this item.

VOICE VOTE: YEAS: Supervisor Jackson, Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson

NAYS: None

Motion carried: 5-0

B. Fire Contract Modifications

Manager Walsh outlined Fire Contract Modifications for discussion.

**Trustee Wilson moved to support the Retention and Recruitment Program as outlined by the Manager in the memo, effective June 18<sup>th</sup>. Seconded by Clerk Guthrie.**

Trustee Wilson noted she views this as a step in the right direction.

Clerk Guthrie noted that our number one job is customer service and having pay that is equitable leads to good customer service.

Trustee Hendrickson echoed previous statements and stated this is the continuation of a series of actions made by the board and Manager Walsh to recruit and retain the best and brightest staff.

Treasurer Deschaine spoke in support of this item as Police and Fire are the highest rated services provided by the township.

ROLL CALL VOTE: YEAS: Clerk Guthrie, Treasurer Deschaine, Trustees Hendrickson, Wilson, Supervisor Jackson

NAYS: None

Motion carried: 5-0

### 13. BOARD DISCUSSION ITEMS

#### A. Mixed Use Planned Unit Development #22014-1621 & 1625 Haslett Road-Haslett Village

Director Schmitt outlined Mixed Use Planned Unit Development #22014-1621 & 1625 Haslett Road-Haslett Village for discussion. He detailed maps and square footage, different buildings and their purposes, the amenities the developers chose and stated there will be 291 residential units. The applicant is requesting waivers for setbacks on Haslett Rd., Marsh Rd., and along the railroad tracks on the southern side of the development. The applicant is also asking for a parking waiver. He noted the developers proposed a trailhead at the Lake Lansing-MSU trail, electric car charging stations, an outdoor seating plaza, and no more than 50% of any one dwelling unit type. Bottom tier amenities include greenspace, low flow plumbing fixtures, wireless access throughout and decorative lighting fixtures throughout.

Applicant Michael Bosgraf, 873 South Shore Dr., Holland, MI introduced the development team members Chad Koster, Mike Corby, Greg Petru who is not present and Dave Van Haaren. He thanked staff for their professionalism throughout the process.

Michael Corby, of Integrated Architecture 840 Ottawa, Grand Rapids, MI spoke about the project. He detailing the specifics such as the amenities, the social aspects and outdoor activities available to residents and floor plans. He stated there are presently plans for 1.7 parking spaces per unit with room to hit 1.8 spaces per unit if needed.

Trustee Hendrickson asked if building B1 and E1 could be moved closer to Marsh Rd.

Mr. Corby replied that Marsh Rd. rises and there is a utility easement blocking building E1 from moving. The utility easement runs along the east side of building B1 as well.

Trustee Hendrickson asked if the installation of amenities could be moved forward from 2024 to 2023 so as to see them quicker.

Mr. Bosgraf stated with the sidewalk and curb in front of the trailhead it would make it difficult to begin the trailhead without developing water, sewer and the road first.

Mr. Corby stated the social hub, street trees, lights and electric car charging will be part of phase one.

Trustee Hendrickson asked if passing this would approve the Special Use Permits for two drive-thrus.

Director Schmitt replied the Mixed Use Planned Unit Development would serve as all Special Use Permits for the project.

Treasurer Deschaine asked for examples previously used on the community space on I.

Mr. Corby stated similar projects use this kind of space for events like food trucks and dining.

Trustee Wilson asked if the developer is pursuing the Commercial Rehabilitation Act.

Chad Koster 940 Floral Ave SE, Grand Rapids, MI replied they do intend to take advantage of the Commercial Rehabilitation Act.

Clerk Guthrie asked if there will be bike parking.

Mr. Corby replied it's in the plan and will be spread out across the development.

Clerk Guthrie asked where the bus stop is located.

Director Schmitt replied that staff is working out the details but speculates around building A1.

Supervisor Jackson asked about the requests for setback 1 and 2.

Director Schmitt replied the applicant is asking for a 36 ft. waiver from the center line of Haslett Rd. to accommodate buildings H and A1, and a 26 ft. waiver from the center line of Marsh Rd to accommodate building H.

Supervisor Jackson asked about the traffic study.

Director Schmitt explained that even though the shopping center on site is not functional, the traffic study must show the highest potential traffic for a fully functional shopping center. This is why the study shows a decrease in traffic when there is currently very little traffic generated on the site.

Treasurer Deschaine asked if there is a size range for the one, two and three bedroom units.

Mr. Corby replied one bedrooms will be different sized based on the building.

Treasurer Deschaine asked if the greenspace requirement is located in the southeast triangle of the site plan.

Director Schmitt replied he can provide more detail at the next meeting, but a lot of the space is in the southeast and open space is included throughout.

## B. Ordinance 2022-11 – Municipal Signage

Director Schmitt outlined Ordinance 2022-11 – Municipal Signage for discussion. He explained this will allow the township to place its own signs outside of the Ordinance. He also noted township property is mostly zoned residential, which currently severely hinders signage.

Treasurer Deschaine asked if the township is exempt from the normal building process when it comes to small buildings.

Director Schmitt replied no.

Treasurer Deschaine asked if there is any other area where the township is exempt.

Director Schmitt replied he couldn't think of any off hand.

Treasurer Deschaine stated that it's not a good look for a public body to pass rules that they themselves are exempt from, but that this is a rare exception.

Trustee Hendrickson stated this is an area where giving themselves an exemption is merited as it allows the township to provide emergency information as needed.

Supervisor Jackson noted when a sign is placed in a new location the board will see it again.

Manager Walsh stated the signs have been vetted several times, but a few locations haven't been decided yet.

#### C. Police Department Ordinance Amendments and Additions

Chief Plaga outlined Police Department Ordinance Amendments and Additions for discussion.

Trustee Wilson stated this will bring us into alignment with State law and will provide a line of revenue.

Treasurer Deschaine asked why we are taking action on this now.

Chief Plaga stated it's due to statutes changing over time, and new statutes being brought forward.

Supervisor Jackson asked if the township would have more control over sentencing, punishment and resolution.

Mr. Harkness replied the barring an unfavorable judgment from a judge we have total control over resolution.

Treasurer Deschaine asked if this covers misdemeanors and felonies.

Mr. Harkness replied this only covers misdemeanors.

#### 14. COMMENTS FROM THE PUBLIC

Supervisor Jackson Opened Public Remarks at 7:55 pm.

NONE

Supervisor Jackson Closed Public Remarks at 7:55 pm.

15. OTHER MATTERS AND BOARD MEMBER COMMENTS

Treasurer Deschaine noted this Saturday is Celebrate Meridian.

Supervisor Jackson noted there will be fireworks at the end of Celebrate Meridian.

Manager Walsh noted how well the board has worked together in the last few months. He noted the July Township Board Meetings will be held on the 12<sup>th</sup> and the 26<sup>th</sup> and in August they will be held on Thursday the 4<sup>th</sup> and Tuesday the 16<sup>th</sup>.

Trustee Hendrickson noted absentee ballots will be sent out next week. He encouraged everyone to carefully read the upcoming ballot initiative as a yes vote is voting to opt out of adult use marijuana and a no vote is to allow adult use marijuana.

16. ADJOURNMENT

**Trustee Wilson moved to adjourn. Seconded by Trustee Hendrickson.**

VOICE/HAND VOTE: Motion carried 5-0

**Supervisor Jackson adjourned the meeting at 8:01 pm.**

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PATRICIA H. JACKSON,  
TOWNSHIP SUPERVISOR

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DEBORAH GUTHRIE  
TOWNSHIP CLERK



9.C

To: Board Members  
From: Amanda Garber, Finance Director  
Date: July 12, 2022  
Re: Board Bills

Charter Township of Meridian  
Board Meeting  
7/12/2022

MOVED THAT THE TOWNSHIP BOARD APPROVE THE MANAGER'S  
BILLS AS FOLLOWS:

COMMON CASH	\$	289,670.25
PUBLIC WORKS	\$	150,452.18
TRUST & AGENCY	\$	28,694.54
	TOTAL CHECKS:	\$ 468,816.97
CREDIT CARD TRANSACTIONS		
06/16/22 to 07/06/2022	\$	20,661.63
	TOTAL PURCHASES:	\$ <u>489,478.60</u>
ACH PAYMENTS	\$	<u>1,061,634.95</u>

Vendor Name	Description	Amount	Check #
1. US POSTMASTER	ANNUAL BULK MAILING PERMIT #28 FEE - USED BY ALL D	265.00	107419
	PSTG NEW RES ID CARDS & 16,0000 DUAL AV BALLOT APP	4,434.23	107465
	TOTAL	4,699.23	
2. AIRGAS GREAT LAKES	ORDER #1111180244 - MEDICAL OXYGEN	168.68	107425
3. ALLGRAPHICS CORP	HNC SUMMER DAY CAMP TSHIRTS	2,075.25	107426
4. ALLISON GOODMAN	MILEAGE REIMB JAN & FEB 2021	28.56	107427
5. AMERICAN RENTALS	6/1/22-7/21/22 - PORTABLE TOILET TRANSFER STATION	89.00	
6. APOLLO FIRE EQUIPMENT CO	GRANT EXTRICATION TOOLS/EQUIPMENT	556.36	
	STORZ ADAPTER 5" STORZ TO 5" NT FEMALE FOR SIDE IN	1,037.83	
	GRANT EXTRICATION TOOLS/EQUIPMENT	527.47	
	TOTAL	2,121.66	
7. AT & T	UNE 2022 ASE NET - THB - FS91 - 831.000.8214 218	3,748.23	107453
8. AT & T	JUNE 2022 - PRI TEL + 100 MB INT 831-001-1392 886	1,162.85	107454
9. AT & T MOBILITY	MAY 5 2022 - JUL 04 2022 - PRI TEL + 100 MB INT 83	76.71	107455
10. AT & T MOBILITY	MAY 7 2022 - JUNE 6 2022 - CELL SERVICE 2873120825	72.48	107456
11. AUTO VALUE OF EAST LANSING	SHOP SUPPLY - FLEET REPAIR PARTS	6.79	
	UNIT 116 FLEET REPAIR PARTS	4.99	
	12V BATTERY FLEET REPAIR PARTS	1,374.95	
	UNIT 55 FLEET REPAIR PARTS	146.40	
	UNIT 150 FLEET REPAIR PARTS	16.59	
	UNIT 20 FLEET REPAIR PARTS	647.97	
	BATTERY RETURNED FLEET REPAIR PARTS	(1,374.95)	
	UNIT 19 FLEET REPAIR PARTS	431.98	
	UNIT 150 FLEET REPAIR PARTS	33.18	
	UNIT 7 FLEET REPAIR PARTS	70.79	
	UNIT 675 FLEET REPAIR PARTS	226.29	
	UNIT 116 FLEET REPAIR PARTS	8.59	
	UNIT 693 FLEET REPAIR PARTS	31.98	
	UNIT 107 FLEET REPAIR PARTS	22.98	
	UNIT 151 FLEET REPAIR PARTS	19.42	
	UNIT 133 - FLEET REPAIR PARTS	217.22	
	UNIT 133 - FLEET REPAIR PARTS	306.66	
	UNIT 67 FLEET REPAIR PARTS	4.63	
	SHOP TOOLS - FLEET REPAIR PARTS	73.97	
	TOOLS FLEET REPAIR PARTS	73.97	
	UNIT 120 - FLEET REPAIR PARTS	58.44	
	RETURNED SOCKET SET FLEET REPAIR PARTS	(73.97)	
	TOOL LOANER - FLEET REPAIR PARTS	128.13	
	UNIT 87 - FLEET REPAIR PARTS	7.19	
	LOANER TOOL RETURNED CREDIT - FLEET REPAIR PARTS	(128.13)	
	UNIT 122 - FLEET REPAIR PARTS	5.69	
	SHOP SUPPLIES - FLEET REPAIR PARTS	40.78	
	UNIT 146 - FLEET REPAIR PARTS	33.58	
	TOTAL	2,416.11	
12. BARYAMES CLEANERS	5/16/22-6/16/22 - POLICE UNIFORM CLEANING	595.21	107428
13. BECKY PAYNE	JUNE 2022 MILEAGE REIMB	39.38	
14. BOARD OF WATER & LIGHT	06/01/2022-07/01/2022 STREETLIGHT SERVICE	610.94	
	EMERGENCY UTILITIES - C. MARTIN	893.98	107460
	TOTAL	1,504.92	

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INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN  
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Vendor Name	Description	Amount	Check #
15. BOBCAT OF LANSING	MOTOR POOL - PARKS - UNIT 55 AND 699	1,173.22	
16. BOUNDTREE MEDICAL	ORDER #103769891 - MEDICAL SUPPLIES	1,934.25	
	ORDER #103780250 - MEDICAL SUPPLIES	682.00	
	ORDER #103780252 - MEDICAL SUPPLIES	1,016.55	
	ORDER #103780255 - MEDICAL SUPPLIES	2,291.39	
	TOTAL	5,924.19	
17. BOYNTON FIRE SAFETY SERVICE	2022 ANNUAL N. FIRE INSPECTIONS	310.00	107429
18. BRIGHTLINE TECHNOLOGIES	ENGINEERING & CONSULTING 50 HR BLOCK	11,500.00	107430
19. BRUNETTE EXTERIORS	CANCEL PERMIT NOT REQUIRED FULL REFUND	100.00	
20. BS&A SOFTWARE	4/8/22 TRAINING - TREASURER'S OFFICE	1,200.00	107431
21. BSN SPORTS	SAND VOLLEYBALL NETS (2)	1,054.93	
	STEEL DRAG MATS	989.94	
	TOTAL	2,044.87	
22. CAPITAL AREA TRANSPORTATION	REDI-RIDE BUS PASSES	600.00	107458
23. CDW	GETAC A140 COMPUTER FOR 2022 POLICE FLEET UPGRADE	3,134.34	107432
24. CENTRALSQUARE TECHNOLOGIES LLC	ANNUAL SOFTWARE RENEWALS 8/1/22-7/31/23	9,503.31	
	CRYWOLF ANNUAL ALARM 8/1/22 TO 7/31/23	3,069.15	
	TOTAL	12,572.46	
25. COLOR OF SOUND AUDIO	6/25/22 STAGE AUDIO SYSTEM - CELEBRATE MERIDIAN	1,200.00	107421
26. COMCAST	JUN 14 2022 - JUL 13 2022 - HOM TV	323.41	107457
	JUL 1 2022 TO JUL 31 2022 - INT+TV @THB	452.01	107457
	JUN 29 2022 - JUL 28 2022 - INT TV TEL @ HNC	225.41	107457
	JUN 29 2022 - JUL 28 2022 - PD	37.33	107457
	JUN 19 2022 - JUL 18 2022 - SCADA INET	151.85	107457
	TOTAL	1,190.01	
27. CONSUMERS ENERGY	EMERGENCY UTILITIES - K. HAGY	397.79	107462
	EMERGENCY UTILITIES - D. THOMPSON	600.00	107461
	TOTAL	997.79	
28. CONSUMERS ENERGY	2022 LAND RENT/LICENSE FEE ESO258	646.80	
29. CRYSTAL FLASH	MOTOR POOL - FLEET FUEL 6/20/22	17,716.33	
	MOTOR POOL - 6/20/22 DELIVERY FLEET FUEL	6,288.33	
	TOTAL	24,004.66	
30. CUMMINS INC	MOTOR POOL - ENGINE 91 - UNIT 150	380.16	107433
31. D VENTURE LLC	OVRPMT SPECIAL ASSESSMENT	1,312.83	
32. DAN HENRY DISTRIBUTING CO.	6/25/2022 CELEBRATE MERIDIAN FESTIVAL	3,739.40	107423
33. DAN THOMAS LAWN SPRINKLER CO	IRRIGATION INSTALL TRAINGLE PROP NEW GARDEN BED	632.00	
34. DANG T. NGUYEN	OVRPMT AMBULANCE ON 09/10/2021	48.20	
35. DBI	STENO BOOKS - ENGINEERING	20.28	107434
36. DESIGNS BY NATURE	HNC NATIVE PLANT SALE MAY 2022	3,541.00	

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37. DOUG STROUSE	LUNCH REIMB - FIREARMS INSTRUCTOR SCHOOL	16.00	
	DINNER REIMB - FIREARMS INSTRUCTOR SCHOOL	11.02	
	LUNCH REIMB - FIREARMS INSTRUCTOR SCHOOL	11.77	
	DINNER REIMB - FIREARMS INSTRUCTOR SCHOOL	22.00	
	TOTAL	60.79	
38. EDWARD BESONEN	LUNCH REIMB - 2022 HOMELAND SECURITY CONF	16.00	
39. ELECTION SOURCE	BALLOT BAGS FOR ELECTIONS	1,423.50	107435
40. FIRE SERVICE MANAGEMENT	FIRE GEAR REPAIR/CLEANING	1,464.40	
41. FISHBECK, THOMPSON, CARR & HUBER	PROF SRVCES THRU 6/10/2022	360.00	
	WDV22-02 - PROF SVICES THRU 6/10/2022	1,731.25	
	WDV 22-01 - PROF SERVICES THRU 6/10/2022	1,839.75	
	TOTAL	3,931.00	
42. FORESIGHT GROUP	TAX BILL ENVELOPES & PAPER STOCK	3,527.66	
	TOWNSHIP #10 ENVELOPES	643.82	
	WATER BILLS & POSTAGE 6/15/2022	519.44	
	UNIT 132 - POLICE VEHICLES LETTERING	1,059.65	
	SUPERVISOR -UNIT 131 POLICE VEHICLES LETTERING	1,059.65	
	SIGNS - SERVICE TRAILER FARMER'S MARKET	426.38	107436
	TOTAL	7,236.60	
43. FRANKLIN E. MAYS	OVRPMT AMBULANCE ON 01/06/2022	100.00	
44. GENERAL CODE	CODE OF ORDINANCE UPDATES	1,634.06	107437
45. GRAND TRAVERSE SAUCE COMPANY	FARM MARKET VENDOR	10.00	107438
	FARM MARKET VENDOR	10.00	107438
	FARM MARKET VENDOR	50.00	107438
	TOTAL	70.00	
46. GRANGER	MAY 2022 - MUN BLDG - 5151 MARSH RD - RECYCLING DI	86.96	107439
	MAY 2022 - ACCT #10159300 - HNC VAN ATTA RD - RUBB	193.98	107439
	TOTAL	280.94	
47. H.C. BERGER COMPANY	COPIER USAGE - CONTRACT CON3541-ABD-02	877.25	
48. HOLDER CORPORATION	TURN DIAMETER PER SAMPLE PART	40.00	
49. HUNTSMAN ADVANCED MATERIALS	EASEMENT PURCHASE FOR MSU TO LAKE LANSING PATHWAY	6,597.00	107440
50. INGHAM COUNTY REGISTER OF DEEDS	TRANSACTION #406416 - RECORDING FEE	30.00	107441
51. INTERNATIONAL CONTROLS & EQUIP	LARGE DOG PARK KEY FOBS	775.00	
	SMALL DOG PARK KEY FOBS	775.00	
	LARGE DOG PARK KEY FOBS - FINAL	750.00	
	TOTAL	2,300.00	
52. JENKS BROTHERS PLBG & HTG INC	MECHANICAL PERMIT CANCELLED 50% REFUND	62.50	107442
	CONTRACTOR OVERPAYMENT PLUMBING PERMITS	5.00	107442
	TOTAL	67.50	

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53. LAFONTAINE AUTOMOTIVE GROUP	MOTOR POOL - UNIT 670 REPAIR PARTS	403.20	
	MOTOR POOL - UNIT 87 REPAIR PARTS	119.00	
	MOTOR POOL - UNIT 87 REPAIR PARTS	18.45	
	MOTOR POOL - UNIT 659 REPAIR PARTS	65.66	
	MOTOR POOL - ENGINEERING - UNIT 121	140.00	
	TOTAL	746.31	
54. LAKEVIEW APARTMENTS	EMERGENCY RENT - V FOSTER	600.00	107464
55. LANSING SANITARY SUPPLY INC	JANITORIAL SUPPLIES PARKS 6/9/22	169.66	107443
	FIRE DEPT - CLEANING SUPPLIES	254.20	107443
	CASCADE DISHWASHING DETERGENT	126.39	
	BUILDINGS - CUSTODIAL SUPPLIES	270.87	
	BUILDINGS - CUSTODIAL SUPPLIES	374.55	
	TOTAL	1,195.67	
56. LANSING UNIFORM COMPANY	NAME TAGS - L VELASQUEZ	20.00	
	BOOTS - A DIETZ	179.95	
	FATIGUE PANTS - T KOZLOWSKI	59.95	
	UNIFORM POLOS - STOCK	314.75	
	UNIFORM ITEMS - C MALESKO	144.90	
	TOTAL	719.55	
57. LEAK PETROLEUM EQUIPMENT INC	2022 HOIST INSPECTION	459.25	
58. MADISON NATIONAL LIFE INS CO	ACCT #102753800000000 - JULY 2022 LIFE/DISABILITY	3,508.04	107444
59. MANNIK AND SMITH	PROF SRVICS THRU MAY 27, 2022	17,000.25	
60. MEDICAL MANAGEMENT SYSTEMS OF	JUNE 2022 COLLECTION FEE AMBULANCE BILLINGS	7,502.81	
61. MEGAN KLEIN	MEALS REIMB - HUMAN TRAFFICKING TRAINING	24.57	
	JUNE 2022 MILEAGE REIMB	78.75	
	TOTAL	103.32	
62. MERIDIAN TOWNSHIP	TRANSFER FLEX CHECKING 7/01/2022 PAYROLL	611.91	
63. MICHAEL PRELESNIK, LLC	KIDS RIDES/GAME TRAILER CELEBRATE MERIDIAN 6/25/22	2,800.00	107422
64. MICHIGAN ASSOCIATION OF PLANNING	PLANNING GROUP MEMBERSHIP 7/1/22 TO 6/30/23675	675.00	107445
65. MOSQUITO SQUAD OF GREATER LANSING	MOSQUITO BARRIER TREATMENT - CELEBRATE MERIDIAN FI	310.00	107446
66. NIGHT MAGIC DISPLAYS	6/25/2022 FIREWORKS DISPLAY	18,000.00	
67. PEOPLEFACTS LLC	PRE-EMPLOYMENT CREDIT CHECKS	27.60	
68. PHIL DESCHAINED	MILEAGE REIMB	91.88	
69. PHILIP A. SIEBERT	OVRPMT AMBULANCE ON 05/13/2022	100.00	
70. PIOTR LUPA	FULL REFUND BLDG PERMIT NOT APPROVED	75.00	
71. PITNEY BOWES BANK INC RESERVE ACCT	ACCT #24708851 - POSTAGE FOR TOWNSHIP	2,500.00	107420
	ACCT # 24708851 - POSTAGE AUG ELECTION	1,500.00	107420
	TOTAL	4,000.00	
72. PLANET X INC	6/25/22 CHILDREN'S AREA INFLATABLES CELEBRATE MERI	2,950.00	107424
73. PLM LAKE & LAND MANAGEMENT CORP	2022 LAKE LANSING HERBICIDE TREATMENT & HARVESTING	38,720.00	
74. POSTMASTER	POSTAGE BULK MAILING AUG 2022 BALLOTS	1,442.20	107459

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75. PRINT MAKERS SERVICE INC	JUNE 2022 KIP COPIER SERVICE CONTRACT & METER CHAR	77.66	
76. PROGRESSIVE AE	PROF SVC THRU JUN 24 2022 - LAKE LANSING MGT	3,683.68	
77. PRO-TECH MECHANICAL SERVICES	W/O #41238 - FIRE - STATION 92 NORTH FIRE	1,091.10	107447
	PM BLDGS - JUNE 2022 HVAC SERVICES	4,206.25	107447
	TOTAL	5,297.35	
78. QUALITY COATING	UNDER COATING NEW TOOL CAT #699	1,050.00	
79. QUALITY TIRE INC	MOTOR POOL DISPOSAL TIRES	91.00	
	TIRES POLICE STOCK & UNIT #659	1,541.86	
	TOTAL	1,632.86	
80. RECLAIMED BY DESIGN	3RD QTR 2022 RECYCLING CENTER	6,000.00	
81. ROBERT HALF	WK 6/24/22 TEMP POSITION - W. DIENER	1,177.20	
82. ROBERT HALF FINANCE & ACCOUNTING	CUST #02240-0000268000 - WK ENDING 6/17/22 - W. DI	1,177.20	107448
83. SAFETY KLEEN	MOTOR POOL -SERVICE PARTS WASHER	338.06	107449
84. SARAH PARKER	PHOTOGRAPHY & GRAHPIC DESIGN SERVICES PROJECT	233.75	
85. SCHAEFFER MFG CO	MOTOR POOL - ENGINE OIL	3,568.40	
86. SCS SYSTEMS	WASTEWATER TREATMENT SYSTEM ANNUAL CONTRACT FOR PA	795.00	107450
87. SETCOM CORPORATION	MOTORCYCLE HELMET SPEAKERS	567.40	107451
88. SHAHEEN CHEVROLET INC	MOTOR POOL - RADIATOR - UNIT 663	350.87	
	MOTOR POOL - FIRE - UNIT 134	252.06	
	MOTOR POOL - FIRE - UNIT 134	240.59	
	MOTOR POOL - FIRE - UNIT 134	78.06	
	MOTOR POOL - FIRE - UNIT 134	312.31	
	TOTAL	1,233.89	
89. SKYLINE OUTDOOR	ADVERTISING CELEBRATE MERIDIAN SIGNAGE	2,473.50	
90. SPARTAN FENCE	FENCING PATHWAY TOWNER RD/MARSH (E. SIDE OF MARSH)	3,000.00	
91. SPICER GROUP	SERVICES THRU 4/23/2022 EGLE GRANT NEW RECYCLING C	6,500.00	107452
92. ST MARTHA CONFERENCE OF	EMERGENCY RENT - GARCIA/RYAN	881.00	107463
93. STAPLES	CUST #DET 27066262 - OPERATING SUPPLIES	441.61	
94. SUPREME SANITATION	NEWTON ST PORTABLE TOILET SV - JUNE 2022	90.00	
	KINAWA PORTABLE TOILET SV - JUNE 2022	90.00	
	EASTGATE PORTABLE TOILET SV - JUNE 2022	180.00	
	CHIPPEWA PORTABLE TOILET SV - JUNE 2022	180.00	
	NANCY MOORE PK PORTABLE TOILET SV - JUNE 2022	90.00	
	HILLBROOK PK PORTABLE TOILET SV - JUNE 2022	90.00	
	BENNETT WOODS PORTABLE TOILET SV - JUNE 2022	90.00	
	(10) PORTA-JONS CELEBRATE MERIDIAN EVENT	1,150.00	
	TOTAL	1,960.00	
95. T MOBILE	5/21/22-6/20/22 - BACKUP CELLULAR DATA SERVICE 517	29.85	
96. TEAM FINANCIAL GROUP	COPIER CONTRACT - JULY 2022	1,471.50	
97. TEE TO GREEN PRINTING	SPONSOR GIVEAWAYS	1,580.72	

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DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN  
EXP CHECK RUN DATES 07/12/2022 - 07/12/2022  
BOTH JOURNALIZED AND UNJOURNALIZED OPEN AND PAID  
BANK CODE: GF

Vendor Name	Description	Amount	Check #
98. THE HARKNESS LAW FIRM PLLC	JUNE 2022 - PROSECUTION SERVICES	6,671.88	
99. THE MERIDIAN COMPANY	OVRPMT OF \$10 PERMIT APP	10.00	
100 THE SHYFT GROUP USA, INC	MOTOR POOL - FIRE - ENGINE 91 - UNIT 150	885.00	
101 TRI-COUNTY EM CONTROL AUTHORITY	EMS FORMS (DRUG BOX EXCHANGE)	15.50	
102 VARIPRO BENEFIT ADMINISTRATORS	JULY 2022 FLEX SPENDING ADMINISTRATION COST	154.00	
103 VERIZON WIRELESS	MAY 24 TO JUN 23 2022 WIRELESS SERVICES	3,507.63	
104 WEST SHORE FIRE INC	SCBA (PART #804722-01)	6,401.45	
	HUD HOSE & MILEAGE 6/3/22	1,203.00	
	VOICE AMPLIFIERS & MOUNTING BRACKETS	1,894.50	
	SHIPPING CHARGES FOR ORDER	21.09	
	TOTAL	9,520.04	
105 YOUNG ST JOHNS CHEVROLET	MOTOR POOL - FIRE - UNIT 133	690.26	
106 ZOLL MEDICAL CORP	ORDER #2746468 EKG EQUIP/SUPPLIES	207.00	
TOTAL - ALL VENDORS		289,670.25	

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DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN  
EXP CHECK RUN DATES 07/12/2022 - 07/12/2022  
BOTH JOURNALIZED AND UNJOURNALIZED OPEN AND PAID  
BANK CODE: PWHZR

Vendor Name	Description	Amount	Check #
1. BANNASCH WELDING INC	WATER - VALVE TURNER BUILD OUT	1,290.89	
2. CARL SCHLEGEL INC	WATER - SAND 5/25/22	1,140.00	29015
3. CHRISTINA RASMUSSEN	OVRPMT WATER/SEWER - CLIFFDALE	46.00	
4. FEDEWA INC	N ELEVATED TANK EXTERIOR PAINTING AND MISC HATCH A	124,650.00	
5. FERGUSON WATERWORKS #3386	WATER - 1" METERS	4,241.30	
	WATER - PARTS FOR CUSTOMER INSTALLATION 2022	160.00	
	WATER - DISTRIBUTION SYSTEM REPAIR PARTS	374.12	
	WATER - PARTS FOR CUSTOMER INSTALLATIONS	38.94	
	TOTAL	4,814.36	
6. HYDROCORP	CROSS CONNECTION CONTROL PROG SERV	2,430.00	
7. JACK DOHENY COMPANIES INC	WATER - CLAMPS FOR VACTOR - UNIT 30	90.26	
8. JAY SCHMITT	OVRPMT FINAL SEWER/WATER BILL - MANSFIELD DR	96.43	
9. MADISON NATIONAL LIFE INS CO	ACCT #1027538000000000 JULY 2022 LIFE/DISABILITY IN	456.83	29016
10. MERIDIAN TOWNSHIP RETAINAGE	N ELEVATED TANK EXTERIOR PAINTING AND MISC HATCH A	13,850.00	
11. MICHIGAN RURAL WATER ASSOC	2022-2023 ANNUAL MEMBERSHIP FOR MERIDIAN TOWNSHIP	935.00	
12. MICHIGAN WATER ENVIRONMENT	2022/2023 MEMBERSHIP DUES - ROBERT MACKENZIE	80.00	
13. MIKE MONTGOMERY	REIMB FOR LOSS OF FOOD IN FREEZER	150.00	
14. VERIZON WIRELESS	MAY 24 - JUN 23 2022 WIRELESS SERVICES	422.41	
TOTAL - ALL VENDORS		150,452.18	

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INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN  
EXP CHECK RUN DATES 07/12/2022 - 07/12/2022  
BOTH JOURNALIZED AND UNJOURNALIZED OPEN AND PAID  
BANK CODE: TA

Vendor Name	Description	Amount	Check #
1. DAVID HOYT	REFUND- OVER PAYMENT SUMMER 2021 PROPERTY TAXES	44.12	13304
2. STATE OF MICHIGAN	MARSH POINTE - 2021 PMT IN LIEU OF TAXES	19,273.79	13303
	2021 MSHDA FEE ANNUAL RETURN	9,296.63	13306
	TOTAL	<u>28,570.42</u>	
3. THOMAS GOTTSCHALK	OVRPMT OF WINTER PROP TAXES - SHAW STREET	80.00	13305
TOTAL - ALL VENDORS		28,694.54	

**Credit Card Report 6/16/2022-7/6/2022**

<b>Posting Date</b>	<b>Merchant Name</b>	<b>Amount</b>	<b>Name</b>
2022/06/16	GFS STORE #1901	\$27.16	LAWRENCE BOBB
2022/06/16	THE HOME DEPOT #2723	\$377.48	LAWRENCE BOBB
2022/06/16	WPSG, INC.	\$801.15	MICHAEL HAMEL
2022/06/16	CARID.COM	\$126.27	MICHAEL HAMEL
2022/06/16	SCRIPPS MEDIA INC	(\$3.90)	ANDREA SMILEY
2022/06/16	WAL-MART #2866	\$109.57	ROBIN FAUST
2022/06/16	LAFONTAINE CDJR OF LANSI	\$292.50	TODD FRANK
2022/06/16	HITCHES + MORE	\$85.00	TODD FRANK
2022/06/16	MEIJER # 025	\$34.22	MICHAEL DEVLIN
2022/06/16	BIG CHEESE RODENT FACTORY	\$424.00	CATHERINE ADAMS
2022/06/16	ARROWHEAD ARCHERY	\$715.00	CATHERINE ADAMS
2022/06/16	PAS*PASSPT LANSING PR	\$2.10	ED BESONEN
2022/06/16	PAS*PASSPT LANSING PR	\$1.42	ED BESONEN
2022/06/17	CARID.COM	(\$7.15)	MICHAEL HAMEL
2022/06/17	MEIJER # 253	\$26.69	ALLISON GOODMAN
2022/06/17	THE HOME DEPOT #2723	\$20.48	ALLISON GOODMAN
2022/06/17	LANSING COMMUNITY COLL	\$10.00	TIMOTHY BOOMS
2022/06/17	FACEBK TFLR8FT9U2	\$175.00	ANDREA SMILEY
2022/06/17	TRACTOR SUPPLY #1149	\$14.98	CATHERINE ADAMS
2022/06/17	COVERT SCOUTING	\$33.35	ED BESONEN
2022/06/20	THE HOME DEPOT #2723	\$218.00	TYLER KENNEL
2022/06/20	AASHTO	\$188.68	NYAL NUNN
2022/06/20	HYATT PLACE FISHERS	(\$36.95)	ANDREW MCCREADY
2022/06/20	HYATT PLACE FISHERS	\$344.45	ANDREW MCCREADY
2022/06/20	HYATT PLACE FISHERS	\$344.45	ANDREW MCCREADY
2022/06/20	HOBBY LOBBY #360	\$13.94	ALLISON GOODMAN
2022/06/20	MEIJER # 253	\$16.17	DANIEL OPSOMMER
2022/06/20	IN *JOHNSON, ROBERTS, & A	\$17.50	KRISTI SCHAEING
2022/06/20	TST* NOTHING BUNDT CAKES	\$577.50	FRANK L WALSH
2022/06/20	ZOOM.US 888-799-9666	\$514.85	STEPHEN GEBES
2022/06/20	WESCO - # 3255	(\$81.04)	ROBERT MACKENZIE
2022/06/20	CANVA* I03454-24312801	\$119.99	LUANN MAISNER
2022/06/20	GFS STORE #1901	\$629.61	MICHAEL DEVLIN
2022/06/20	LANSINGSTATE JOURNAL	\$9.99	MICHELLE PRINZ
2022/06/20	FREEP.COM	\$9.99	MICHELLE PRINZ
2022/06/20	ULINE *SHIP SUPPLIES	\$690.45	CATHERINE ADAMS
2022/06/20	SUNOCO 0644113300	\$9.96	JANE GREENWAY
2022/06/20	THE HOME DEPOT #2723	\$31.90	JANE GREENWAY
2022/06/21	TARGET 00003657	\$34.32	DANIEL OPSOMMER
2022/06/21	THE UPS STORE 811	\$73.15	MARK VROMAN
2022/06/21	HUNGRY HOWIES HASLETT 2	\$445.71	FRANK L WALSH
2022/06/21	ELECTRICAL TERMINAL SERVI	\$5.50	TODD FRANK
2022/06/21	EGLE OP TRAIN AND CERT	\$95.00	YOUNES ISHRAIDI
2022/06/22	THE HOME DEPOT #2723	\$27.36	LAWRENCE BOBB
2022/06/22	CARID.COM	(\$96.98)	MICHAEL HAMEL
2022/06/22	BARYAMES CLEANERS INC 05	\$24.80	MICHAEL HAMEL
2022/06/22	QUALITY DAIRY 31280027	\$13.74	KEN PLAGA
2022/06/22	MIDWEST POWER EQUIPMENT	\$456.00	KEITH HEWITT
2022/06/22	USA ARCHERY	\$35.00	CATHERINE ADAMS
2022/06/22	SOLDAN S PET SUPPLIES	\$10.14	CATHERINE ADAMS
2022/06/22	PIONEER ATHLETICS	\$707.91	CATHERINE ADAMS
2022/06/22	PIONEER ATHLETICS	\$351.90	CATHERINE ADAMS

2022/06/22	PAS*PASSPT LANSING PR	\$0.52	ED BESONEN
2022/06/23	THE HOME DEPOT #2723	\$149.00	LAWRENCE BOBB
2022/06/23	THE HOME DEPOT #2723	\$87.60	LAWRENCE BOBB
2022/06/23	AMZN MKTP US*HS0NC5XF3	\$68.01	KRISTI SCHAEADING
2022/06/23	DMI* DELL K-12/GOVT	\$40.19	KRISTEN COLE
2022/06/23	MERS OF MICHIGAN	\$205.00	FRANK L WALSH
2022/06/23	USPS PO 2569800864	\$26.95	ROBIN FAUST
2022/06/23	LANSINGSTATE JOURNAL	\$9.99	MICHELLE PRINZ
2022/06/24	THE HOME DEPOT #2723	\$30.71	TYLER KENNELL
2022/06/24	CHICK-FIL-A #03695	\$35.04	ANDREW MCCREADY
2022/06/24	SOLDAN S PET SUPPLIES	\$94.47	ALLISON GOODMAN
2022/06/24	MEIJER # 025	\$21.45	ALLISON GOODMAN
2022/06/24	JONES & BARTLETT LEARNING	\$82.64	TIMOTHY BOOMS
2022/06/24	THE HOME DEPOT #2723	\$25.16	TIMOTHY BOOMS
2022/06/24	MERS OF MICHIGAN	\$205.00	FRANK L WALSH
2022/06/24	GRAND TRAV RESORT	\$209.00	FRANK L WALSH
2022/06/24	CONSTRUCTION SW RENEW	\$96.90	YOUNES ISHRAIDI
2022/06/24	IN *CHIEF CART, INC.	\$350.00	LUANN MAISNER
2022/06/24	OFFICEMAX/OFFICEDEPT#3379	\$30.76	MICHAEL DEVLIN
2022/06/24	MEIJER # 025	\$6.87	MICHAEL DEVLIN
2022/06/24	COMCAST	\$155.88	BART CRANE
2022/06/27	THE HOME DEPOT #2723	\$44.55	LAWRENCE BOBB
2022/06/27	THE HOME DEPOT #2723	\$79.96	LAWRENCE BOBB
2022/06/27	THE HOME DEPOT #2723	\$9.47	TYLER KENNELL
2022/06/27	GFS STORE #1901	\$25.74	RUDY GONZALES
2022/06/27	HYATT PLACE FISHERS	(\$344.45)	ANDREW MCCREADY
2022/06/27	EATON FARM COOP MASON	\$130.00	JACOB FLANNERY
2022/06/27	COSTCO WHSE#1277	\$44.85	JACOB FLANNERY
2022/06/27	FACEBK WFFVYYE39U2	\$142.85	ANDREA SMILEY
2022/06/27	PRO CLEAN	\$16.50	ANDREA SMILEY
2022/06/27	GRAND TRAV RESORT	\$209.00	FRANK L WALSH
2022/06/27	HITCHES + MORE	\$43.00	TODD FRANK
2022/06/27	STAPLS7359439678000001	\$598.76	STEPHEN GEBES
2022/06/27	STAPLS7358651641000001	\$679.96	STEPHEN GEBES
2022/06/27	STAPLS7358651641000002	\$34.76	STEPHEN GEBES
2022/06/27	THE HOME DEPOT #2723	\$300.00	ROBERT MACKENZIE
2022/06/27	QUALITY DAIRY 31280027	\$15.87	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$48.65	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$38.65	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$38.65	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$38.65	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$38.65	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$48.65	LUANN MAISNER
2022/06/27	DOMINO'S 1206	\$48.65	LUANN MAISNER
2022/06/27	BP#8526386BELLAIRE BP	\$90.03	KEN PLAGA
2022/06/27	HAMMOND FARMSLANDSCAPE SU	\$109.50	KEITH HEWITT
2022/06/27	OFFICEMAX/OFFICEDEPT#3379	\$14.34	MICHAEL DEVLIN
2022/06/27	MEIJER # 025	\$13.96	MICHAEL DEVLIN
2022/06/27	COSTCO WHSE#1277	\$258.08	MICHAEL DEVLIN
2022/06/27	COSTCO WHSE#1277	\$68.77	MICHAEL DEVLIN
2022/06/27	AMZN MKTP US*C28JC96P3	\$20.60	MICHELLE PRINZ
2022/06/27	AMZ*WSJBARRON'S	\$4.00	MICHELLE PRINZ
2022/06/27	MERIDIAN CHARTER TOWNSHIP	\$1.01	MICHELLE PRINZ
2022/06/27	MERIDIAN CHARTER TOWNSHIP	\$1.00	MICHELLE PRINZ
2022/06/27	MERIDIAN CHARTER TOWNSHIP	\$1.00	MICHELLE PRINZ
2022/06/27	FAST EDDIE S - OFFICE	\$475.00	BART CRANE

2022/06/27	TARGET 00003657	\$151.14	JANE GREENWAY
2022/06/27	DOMINO'S 1206	\$29.14	JANE GREENWAY
2022/06/27	OFFICEMAX/OFFICEDEPT#3379	\$40.92	BRIDGET CANNON
2022/06/27	TARGET 00003657	\$85.95	BRIDGET CANNON
2022/06/27	AMZN MKTP US*TY71N1H13	\$49.82	PHIL DESCHAIINE
2022/06/28	HAMMOND FARMSLANDSCAPE SU	\$54.75	TYLER KENNELL
2022/06/28	DAVIS & STANTON	\$244.00	KYLE ROYSTON
2022/06/28	NATIONAL ASSOC FOR INTER	\$75.00	ALLISON GOODMAN
2022/06/28	WAL-MART #2866	\$16.48	ROBIN FAUST
2022/06/28	AC&E RENTALS INC	\$556.00	LUANN MAISNER
2022/06/28	TST* BELLAIRE BAR AND TAP	\$20.12	KEN PLAGA
2022/06/28	AMZN MKTP US*OM8VW2E63	\$51.24	MICHELLE PRINZ
2022/06/29	SITEONE LANDSCAPE SUPPLY,	\$227.74	LAWRENCE BOBB
2022/06/29	THE HOME DEPOT #2723	\$29.97	TYLER KENNELL
2022/06/29	THE HOME DEPOT #2723	\$159.92	RYAN CAMPBELL
2022/06/29	SOLDAN S PET SUPPLIES	\$10.14	ALLISON GOODMAN
2022/06/29	FRAMER'S EDGE	\$329.46	ROBIN FAUST
2022/06/29	ID CARDS INSTANTCARD	\$100.00	CAROL HASSE
2022/06/29	GRAINGER	\$101.16	ROBERT MACKENZIE
2022/06/29	GRAINGER	\$77.22	ROBERT MACKENZIE
2022/06/29	GRAINGER	\$75.70	ROBERT MACKENZIE
2022/06/29	USA BLUE BOOK	\$343.39	ROBERT MACKENZIE
2022/06/29	PELICAN NEST	\$20.09	KEN PLAGA
2022/06/30	HYATT PLACE FISHERS	(\$344.45)	ANDREW MCCREADY
2022/06/30	THE HOME DEPOT #2723	\$25.94	JACOB FLANNERY
2022/06/30	PAPA KS BELLAIRE	\$23.80	KEN PLAGA
2022/06/30	MCDONALD'S F3711	\$13.22	KEN PLAGA
2022/06/30	AMZN MKTP US*4R8LX88N3	\$14.48	MICHELLE PRINZ
2022/07/01	HYATT PLACE FISHERS	\$344.45	ANDREW MCCREADY
2022/07/01	USPS PO 2569800864	\$9.25	TIMOTHY BOOMS
2022/07/01	OPENTIMECLOCK	\$25.00	KRISTEN COLE
2022/07/01	MEIJER # 025	\$26.96	LUANN MAISNER
2022/07/01	SHANTY CREEK RESORTS -	\$416.72	KEN PLAGA
2022/07/01	HASLETT TRUE VALUE HARDW	\$2.99	KEITH HEWITT
2022/07/01	GOVERNMENT FINANCE OFFIC	\$150.00	MICHELLE PRINZ
2022/07/01	AMAZON.COM*JX9101F43 AMZN	\$16.98	MICHELLE PRINZ
2022/07/01	MGFOA REGISTRATION FEE	\$305.00	MICHELLE PRINZ
2022/07/01	COURTYARD OKEMOS	\$143.10	MICHELLE PRINZ
2022/07/04	THE HOME DEPOT #2723	\$102.20	LAWRENCE BOBB
2022/07/04	LAERDAL MEDICAL CORP	\$442.98	MICHAEL HAMEL
2022/07/04	THE HOME DEPOT #2723	(\$41.91)	KYLE FOGG
2022/07/04	THE HOME DEPOT #2723	\$41.91	KYLE FOGG
2022/07/04	AMZN MKTP US*UY0YX4VK3	\$9.49	KRISTEN COLE
2022/07/04	AMZN MKTP US*NN04T2O53	\$51.73	KRISTEN COLE
2022/07/04	THE FAIRMONT HOTEL CHICA	\$771.33	ANDREA SMILEY
2022/07/04	AMZN MKTP US*ZJ7GE4N13	\$25.60	STEPHEN GEBES
2022/07/04	USPS PO 2569800864	\$16.05	CAROL HASSE
2022/07/04	THE HOME DEPOT #2723	\$47.94	KEITH HEWITT
2022/07/04	QUALITY LOGO PRODUCTS	\$357.07	MICHAEL DEVLIN
2022/07/04	MGFOA MEMBERSHIP DUES	\$120.00	MICHELLE PRINZ
2022/07/04	COURTYARD OKEMOS	\$250.00	MICHELLE PRINZ
2022/07/04	BARYAMES CLEANERS INC 17	\$30.90	EMMA CAMPBELL
2022/07/04	TARGET 00003657	(\$3.29)	JANE GREENWAY
2022/07/04	TARGET 00003657	(\$49.98)	BRIDGET CANNON
2022/07/04	GFS STORE #1901	(\$419.74)	BRIDGET CANNON

2022/07/05	SHANTY CREEK RESORTS -	\$169.72	ASHLEY WINSTEAD
2022/07/06	LANGUAGE LINE	\$12.60	KRISTI SCHAEING
2022/07/06	MI STATE POLICE PMTS	\$30.00	KRISTI SCHAEING
2022/07/06	VAN ATTA'S GREENHOUSE	\$324.78	BRIDGET CANNON
<b>Total</b>		<b>\$20,661.63</b>	

ACH Transactions

Date	Payee	Amount	Purpose
6/16/2022	ICMA	\$ 42,532.73	Payroll Deductions 06/17/2022
6/17/2022	ELAN	\$ 20,649.05	Credit Card Payment
6/17/2022	Nationwide	\$ 6,211.88	Payroll Deductions 06/17/2022
6/17/2022	State of Michigan	\$ 15,786.69	MI Business Tax
6/17/2022	IRS	\$ 105,717.01	Payroll Taxes 06/17/2022
6/17/2022	Various Financial Institutions	\$ 294,177.75	Direct Deposit 06/17/2022
6/22/2022	Consumers Energy	\$ 52,757.04	Utilities
6/22/2022	MCT Utilities	\$ 47.00	Water/Sewer for MCT
6/24/2022	Blue Care Network	\$ 20,558.51	Employee Health Insurance
7/1/2022	Nationwide	\$ 23,911.40	Payroll Deductions 07/01/2022
7/1/2022	ICMA	\$ 42,254.96	Payroll Deductions 07/01/2022
7/1/2022	Health Equity	\$ 227.25	Employee Health Savings Account
7/1/2022	IRS	\$ 107,743.50	Payroll Taxes 07/01/2022
7/1/2022	Various Financial Institutions	\$ 296,706.44	Direct Deposit 07/01/2022
7/5/2022	Eyemed	\$ 1,837.72	Employee Vision Insurance
7/6/2022	Blue Care Network	\$ 26,495.21	Employee Health Insurance
7/6/2022	Alerus Retirement	\$ 4,020.81	Employee Health Insurance
<b>Total ACH Payments</b>		<u><u>\$ 1,061,634.95</u></u>	



**To: Board Members**  
**From: Michael Hamel, Fire Chief**  
**Date: July 6, 2022**  
**Re: Ratification of New EMT/Firefighter**

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Nicholas Irving, from Wheeler, Michigan, completed the EMT Program at Polk State College (Florida) in 2017 and began his career working for American Medical Response. From 2018 to 2021, he was an EMT for Sumter County EMS and Legoland, and after moving to Michigan in 2021, he began working for Breckenridge Wheeler Fire Rescue and Mobile Medical Response. He graduated from the Saginaw Township Fire Academy in April 2022 and holds Firefighter I & II and Hazmat Operations certifications.

**Move to authorize the Fire Department to appoint Nicholas Irving to Full-Time EMT/Firefighter.**



**To:** Board Members

**From:** Timothy R. Schmitt, *AICP*  
Director of Community Planning and Development

**Date:** July 6, 2022

**Re:** Mixed Use Planned Unit Development 22-014 – Haslett Village Square  
Public Hearing

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The Township Board, Planning Commission and Staff have been reviewing the proposed redevelopment project for 1621 and 1655 Haslett Road, commonly known as the Haslett Village Square project, for several months. The Planning Commission recommended approval of the Mixed Use Planned Unit Development (MUPUD) proposal at their May 23, 2022 meeting, after extensive discussion at meetings in April and May. The Township Board briefly discussed the project at their June 7, 2022 meeting and set a public hearing for the request for the July 12, 2022 meeting. The Board also discussed the project at length during their June 21, 2022 meeting, raising no project derailing concerns, but offering good feedback to the development team as they move forward.

As mentioned previously, the proposed development would include the demolition of the majority of buildings on the current site, with only the 10,500 square foot building that currently houses Solid Rock Baptist Church remaining after redevelopment. The project is proposed to include the construction of 290 residential units and 21,750 square feet of non-residential space in 20 new buildings and the one remaining building, which will be retrofitted for a community hub and retail/restaurant space. As required by the MUPUD ordinance, the applicant is proposing a number of amenities to offset the waivers requested to build the project as proposed.

The Planning Commission held a public hearing on this request at their April 25, 2022 meeting and received a small amount of public input. The Township Board, pursuant to the ordinance requirements in the MUPUD district, is also required to hold a public hearing on the request. After the public hearing, Staff and the development team will take the public comment into account and determine next steps. If major changes are needed, Staff may suggest the matter be referred back to the Planning Commission. If the public is generally supportive, the matter will return to the Township Board for potential final action at the July 26<sup>th</sup> Board meeting.

#### **Attachments**

1. June 21, 2022 Township Board packet materials



**To: Board Members**

**From: Timothy R. Schmitt, AICP  
Director of Community Planning and Development**

**Date: June 15, 2022**

**Re: Mixed Use Planned Unit Development 22-014 – Haslett Village Square**

The Planning Commission and Staff have been reviewing the proposed redevelopment project for 1621 and 1655 Haslett Road, commonly known as the Haslett Village Square project, for several months. The Planning Commission recommended approval of the Mixed Use Planned Unit Development (MUPUD) proposal at their May 23, 2022 meeting, after extensive discussion at meetings in April and May. The Township Board very briefly discussed the project at their June 7, 2022 meeting and set a public hearing for the request for the July 12, 2022 meeting.

As mentioned previously, the proposed development would include the demolition of the majority of buildings on the current site, with only the 10,500 square foot building that currently houses Solid Rock Baptist Church remaining after redevelopment. The project is proposed to include the construction of 290 residential units and 21,750 square feet of non-residential space in 20 new buildings and the one remaining building, which will be retrofitted for a community hub and retail/restaurant space. As required by the MUPUD ordinance, the applicant is proposing a number of amenities to offset the waivers requested to build the project as proposed. Details on the waivers and amenities are included in the attached Staff reports.

In response to a discussion about parking at the Planning Commission level, the applicant has provided a plan that shows additional areas of parking they can add to the site, if needed in the future. But they have indicated that their history and market research indicates that the amount of parking that they are proposing is adequate. They do not intend to install this additional parking at this time, but will have the ability to in the future, should the need arise or the Township determines that it should be installed. Other than the additional parking information, no major changes have been made to the attached plans since the Planning Commission's review.

### **Township Board Options**

The Township Board may approve or deny the proposed MUPUD. If the Board amends the proposal, the request may be referred back to the Planning Commission for a recommendation. A resolution will be provided at a future meeting for the Township Board's review.

### **Attachments**

1. Planning Commission Resolution Recommending Approval
2. Staff Report dated May 19, 2022
3. Planning Commission Minutes of April 25, 2022 and May 23, 2022
4. Application Information, including updates from Planning Commission discussion

**RESOLUTION TO RECOMMEND APPROVAL**

**MUPUD #22014  
1621 & 1625 Haslett Road**

**RESOLUTION**

At a regular meeting of the Planning Commission of the Charter Township of Meridian, Ingham County, Michigan, held at the Meridian Municipal Building, in said Township on the 23rd day of May, 2022, at 7:00 p.m., Local Time.

PRESENT: Chair Blumer, Vice-Chair Tresize, Commissioners Premoe, McConnell, Richards, Shrewsberry, and Snyder

ABSENT: Commissioner Cordill

The following resolution was offered by Vice-Chair Tresize and supported by Commissioner Premoe.

WHEREAS, SP Holding Company has requested approval of a Mixed Use Planned Unit Development (MUPUD) on an approximately 19 acre site made up of two parcels located at 1621 & 1625 Haslett Road; and

WHEREAS, the proposed MUPUD includes the demolition of two existing buildings on the site, redevelopment of one building on the site, and construction of 20 new buildings with a total of 290 dwelling units and 21,750 square feet of non-residential space; and

WHEREAS, the Planning Commission held a public hearing and discussed the request at its regular meeting on April 25, 2022 and at its regularly scheduled meeting of May 23, 2022; and

WHEREAS, the subject site is appropriately zoned C-2 (Commercial), which allows for a MUPUD project; and

WHEREAS, the proposed MUPUD has been designed to be harmonious and appropriate with the existing and potential future uses surrounding the site; and

WHEREAS, the proposed MUPUD meets the minimum design standards as outlined in Section 86-440(f) of the Code of Ordinances; and

WHEREAS, the requested waivers for building setbacks, parking lot setbacks, and number of parking spaces are appropriate and necessary to facilitate development of the property consistent with the intent of the MUPUD ordinance; and

WHEREAS, the number and type of amenities provided in the proposed MUPUD are consistent with the requirements, guidelines, and criteria stated in Section 86-440(e) of the Code of Ordinances; and

WHEREAS, public water and sanitary sewer are available to serve the subject property; and

WHEREAS, the proposed MUPUD project is consistent with Objective B of Goal 1 of the 2017 Master Plan to ensure new residential developments meet high standards of visual attractiveness, health and safety, and environmental sensitivity; and

**Resolution to Recommend Approval  
MUPUD #22014 (SP Holding Company)**

WHEREAS, the proposed MUPUD project is consistent with Objective A of Goal 3 of the 2017 Master Plan to upgrade commercial areas by encouraging redevelopment of the downtown Haslett Village area; and

WHEREAS, the proposed MUPUD project is consistent with Objective B of Goal 3 of the 2017 Master Plan to develop the Township's mixed use core into a viable and vibrant district.

NOW THEREFORE, BE IT RESOLVED THE PLANNING COMMISSION OF THE CHARTER TOWNSHIP OF MERIDIAN hereby recommends approval of Mixed Use Planned Unit Development #22014, subject to the following conditions:

1. Approval is in accordance with the site plan prepared by Kebs, Inc. dated February 21, 2022 (revision date April 29, 2022) and received by the Township on April 29, 2022.
2. Approval is in accordance with the building elevations, conceptual building plans, conceptual landscape plan, photometric plan, signage locations, amenity list, and project material list prepared by Integrated Architecture dated April 25, 2022 and received by the Township on April 29, 2022.
3. The waivers requested for building setbacks, parking lot setbacks, number of parking spaces, and parking setback are recommended for approval as depicted on the submitted site plan prepared by Kebs, Inc. dated February 21, 2022 (revision date April 29, 2022) and received by the Township on April 29, 2022.
4. The amenities proposed for the project are approved in accordance with the Amenities Plan prepared by Integrated Architecture dated April 25, 2022 and received by the Township on April 29, 2022.
5. Approval is subject to the applicant obtaining all necessary permits, licenses, and approvals from the Ingham County Road Department, Ingham County Drain Commissioner, Michigan Department of Environment, Great Lakes, and Energy (EGLE), and the Township, as applicable. Copies of all permits and approval letters shall be submitted to the Department of Community Planning and Development.
6. The utility, grading, and storm drainage plans for the site are subject to the approval of the Director of Public Works and Engineering and Ingham County Drain Commissioner and shall be completed in accordance with the Township Engineering Design and Construction Standards.
7. No grading or land clearing shall take place on the site until the site plan has been approved by the Director of Community Planning and Development and grading and soil erosion and sedimentation control (SESC) permits have been issued for the project.
8. All utility service distribution lines shall be installed underground.
9. Any future building additions or revisions to the site layout will require amendments to Mixed Use Planned Unit Development #22014.
10. The final design of the trash and recycling facilities and related enclosures shall be subject to the approval of the Director of Community Planning and Development.

**Resolution to Recommend Approval  
MUPUD #22014 (SP Holding Company)**

11. Site accessories such as railings, benches, exterior lighting fixtures, and bicycle racks shall be of commercial quality and complement the building design. Final design and location shall be subject to the approval of the Director of Community Planning and Development.
12. Landscaping shall comply with the provisions of the Code of Ordinances, including the standards outlined in Section 86-440(f)(4) and other applicable sections of the Ordinance pertaining to landscaping.
13. Site and building lighting shall comply with Article VII of Chapter 38 of the Code of Ordinances and shall be subject to the approval of the Director of Community Planning and Development.
14. All pathways and sidewalks shall be designed and constructed in accordance with Township Engineering Design and Construction Standards. The design and location of the sidewalks and pathways shall be subject to the approval of the Director of Public Works and Engineering.
15. All mechanical, heating, ventilation, air conditioning, and similar systems shall be screened from view by an opaque structure or landscape materials (if at street level) selected to complement the building. Such screening is subject to the approval by the Director of Community Planning and Development.

ADOPTED: YEAS: Chair Blumer, Vice-Chair Tresize, Commissioner Premoe, McConnell, Shrewsberry, and Snyder

NAYS: Commissioner Richards

STATE OF MICHIGAN )

) ss

COUNTY OF INGHAM )

I, the undersigned, the duly qualified and acting Chair of the Planning Commission of the Township of Meridian, Ingham County, Michigan, DO HEREBY CERTIFY that the foregoing is a true and a complete copy of a resolution adopted at a regular meeting of the Planning Commission on the 23rd day of May, 2022.

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Mark Blumer  
Planning Commission Chair



**To:** Planning Commission

**From:** Brian Shorkey, AICP, Senior Planner

**Date:** May 19, 2022

**Re:** Mixed Use Planned Unit Development #22014 (SP Holding Company),  
construct Haslett Village mixed-use planned unit development at 1621 & 1655  
Haslett Road.

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### **Introduction**

SP Holding Company (applicant) has submitted a mixed use planned unit development (MUPUD) proposal to redevelop the eastern half of the Haslett Village Square shopping center on Haslett and Marsh Roads. The project (Haslett Village) is located at 1621 & 1655 Haslett Road, is zoned C-2 (Commercial), and is proposed to be developed in six phases. The project area is approximately 19 acres. The Planning Commission held a public hearing for this application on April 25, 2022. Staff received updated materials on April 29, 2022.

The subject property currently contains a multi-tenant building and two stand alone buildings fronting on Haslett Road. The multi-tenant building is a mostly vacant 71,018 square foot building that currently contains two businesses, a Little Caesar's Pizza and The Fringe Hair Design. The 1,619 square foot former PNC Bank building is located at the northeast corner of the site and is proposed to be demolished with a new building built in its location. The other building, approximately 10,500 square feet, is a former video store that now houses Solid Rock Baptist Church. That building is proposed to be redeveloped with a drive-through and house the development's Community Center.

The proposal includes 290 residential units and 21,750 square feet of non-residential space. The 290 dwelling units are made up of 58 apartment units, 204 stacked flats, and 28 townhouses. The apartments are a mix of studios, one-bedroom units, and two-bedroom units. The stacked flats are a mix of one, two, and three-bedroom units. The townhouses are a mix of two-bedroom and three-bedroom units.

Because the project includes redevelopment of the one of the existing buildings, the residential density is allowed to be 14 dwelling units per acre. The proposed residential density is approximately 15.2 dwelling units per acre. The extra density is allowed if four extra amenities are provided.

Municipal water and sanitary sewer are available. If the project is approved, the location and capacity of utilities for the proposed development will be reviewed in detail by Public Works and Engineering staff during the site plan review process.

### **Staff Analysis**

Staff has reviewed this application using the standards found in Sec. 86-440 – Mixed Use Planned Unit Development. When reviewing the proposal, the Planning Commission needs to consider the appropriateness of the requested waivers, the proposed amenities and related review criteria, and the

MUPUD design standards as outlined in Section 86-440(f) of the Code of Ordinances. The following is a summary of the project's consistency with the MUPUD ordinance standards:

### **1. Waivers and amenities**

The applicant is requesting the following waivers for the Haslett Village project.

- Setback 1 – The applicant is requesting a 36.38-foot waiver from the 100-foot building setback from the center line of Haslett Road.
- Setback 2 – The applicant is requesting a 26.6-foot waiver from the 100-foot building setback from the center line of Marsh Road.
- Setback 3 – There is a requirement that buildings be 100 feet from any residentially zoned property. Property to the south is zoned RA – Residential. The requested waiver is 57 feet.
- Parking – 834 parking spaces are required for the project. The applicant is requesting a waiver of 352 parking spaces.
- Parking setback – Parking areas are required to be setback from a road right-of-way at least 20 feet. The applicant is requesting a 3.85-foot waiver.

There are three tiers of amenities. Tier One amenities count as three and, as noted before, at least one such amenity is required when at least four total amenities are requested. Tier Two amenities count as two amenities each. Tier Three amenities count once each, but only one amenity from this level count toward the total. Amenities proposed by the applicant are detailed below:

- Tier One
  - Community focused bundle, including a trailhead that is being deeded to the Township
- Tier Two
  - Electric car charging stations
  - Public outdoor seating area
  - Public recreation resource
- Tier Three
  - Green space
  - Low-flow plumbing fixtures
  - Wireless access points
  - Decorative lighting along streets and drives, and in parking areas

The number of required amenities is calculated as follows:

- The MUPUD ordinance requires that all proposals incorporate at least **one** amenity.
- Each requested waiver from the zoning ordinance requires an amenity on a one-for-one basis. Five waivers are requested, meaning that **five** more amenities are required.
- The request for the density bonus requires **four** more amenities.

As a result, the proposed MUPUD requires ten amenities, one of which must come from Tier One. Ten amenities have been provided and the amenity requirements for this project have been met.

It is possible that a new bus stop may be added to the site in the future, in coordination with the approved bus stop on the adjacent American Home Meridian site. The applicant is not counting this as an amenity. Staff is working to coordinate this with CATA, and if it is built, it will be handled during the site plan approval process.

## **2. Design standards**

The project has been reviewed against the design standards found in Sec. 86-444(f).

*Parking:* Off-street parking in an MUPUD is required to comply with Sec. 86-755 in the Township Code of Ordinances. The applicant has correctly calculated that 834 parking spaces are required and has requested a waiver of 352 spaces.

## **3. Required data**

The project has been reviewed against the standards found in Sec. 86-440(g)(4):

*Traffic.* The applicant has submitted a trip generation comparison prepared by Fishbeck. The comparison uses the Institute of Transportation Engineers (ITE) Trip Generation Manual (11<sup>th</sup> edition) to classify and compare traffic generation from both the existing and proposed land uses.

The traffic generation concluded that the proposed development would result in an overall increase of 57 new trips in the a.m. peak hour and an overall decrease of 106 trips in the p.m. peak hour. Sec. 86-440(g)(4)(h) states that a traffic study is required where a project will exceed 250 vehicle trips during the peak hour of the adjacent roadway. As a result, no traffic study is required.

## **4. Performance Criteria**

The project has been reviewed against the requirements of Sec. 86-440(c)(2)e, and Staff has the following comments:

*Architectural design:* The applicant has submitted a LEED Project Checklist scoresheet to describe the sustainability and environmental considerations that are included on the concept plan.

*Drive-through:* The project includes the installation of a drive-through on the redeveloped video store. The drive-through meets the standards as listed in Sec. 86-404(e)13.

## **5. Conclusion**

The applicant has addressed all concerns that were brought up at the April 25<sup>th</sup> public hearing with the updated materials that were submitted on April 29<sup>th</sup>. Staff is satisfied with the proposed waiver requests and the proposed amenities offered and recommends that the Planning Commission recommend **approval** to the Township Board for the MUPUD application. A resolution for approval is attached.

## **Planning Commission Options**

The Planning Commission may recommend approval, approval with conditions, or denial of the proposed MUPUD. The Planning Commission is required to make a recommendation on the MUPUD within 30 days of the date of the public hearing.

**Attachments**

1. Resolution of approval.
2. Application and narrative.
3. Response letter dated April 25, 2022.
4. Concept plan prepared by Kebs, Inc. dated April 28, 2022.
5. Architectural and building elevations prepared by Integrated Architecture dated April 28, 2022.
6. Trip generation comparison prepared by Fishbeck dated April 27, 2022.
7. LEED Project Checklist scoresheet.



Mr. Corby stated there isn't any land set aside for additional parking, however parallel parking could be changed to angled parking to increase parking density however he doesn't believe it will be necessary.

Vice-Chair Trezise asked when Commercial Building H1 is planned for building as it's not listed in the schedule.

Mr. Corby stated building H1 will be marketed immediately, and hopes it's part of the initial building phase.

Vice-Chair Trezise stated H1 is a significant part of the mixed use of this project and would like to see it in the construction plans.

Mr. Corby stated it could be included in plans, no later than the last phase.

Commissioner Snyder asked if previous development that have used 1.5 parking spaces per unit were mixed-use or primarily residential.

Mr. Corby replied they have been primarily residential.

Commissioner Snyder asked if potential food truck staging area parking spaces are included in the parking count.

Mr. Corby replied they are.

Commissioner McConnell asked about connecting the side walk on the west side at the Pine Village corner.

Mr. Corby stated they are fine with making the connection and making a cross walk.

Commissioner McConnell asked about the west most inner urban connection may need a different shape so it's not so steep.

Mr. Corby replied there is some berming that will be taken down with a small inlet though the berming.

Commissioner McConnell asked about the trailhead restrooms area.

Mr. Corby replied there will be drinking fountains, restrooms, a bike kiosk for bicycle maintenance, benches and a fenced in dog park, all of which will be available to the general public.

Chair Blumer asked if there has been a demographic projection.

Applicant Representative, Chad Koster, 940 Floral Ave., Grand Rapids, MI stated there has been a market study and one of the reasons the project was taken down to 290 is because they want more two bedroom units. They project residents who are younger professionals and older people who are looking for an easier way of life.

Commissioner Richards noted the plans show less than one parking lot per bedroom, and would like to see a comparable project to be sure planned parking will be sufficient.

Commissioner Premoe noted the applicant has stated a contingency plan for parking if it's not sufficient.

Commissioner Richards stated he would like to see how many parking spaces could be added if the current number isn't enough.

Mr. Corby stated he could show how many parking spaces could be added.

Commissioner McConnell stated the development is 8 minutes from the Meridian mall by CATA bus, and 24 minutes to MSU campus. He further stated CATA operates a shopping bus that serves shopping centers.

Chair Blumer asked what the drive through is for.

Mr. Corby stated the one on the corner could be a pharmacy but wasn't certain, while the other is planned for a coffee shop.

Commissioner Snyder asked where the playground will be located.

Mr. Corby replied the playground is likely to be close to building I.

**Vice Chair Trezise moved to approve Mixed-Use Planned Unit Development #22014. Seconded by Commissioner Premoe.**

ROLL CALL VOTE: YEAS: Commissioners McConnell, Premoe, Shrewsbury, Vice-Chair Trezise, Commissioner Snyder, Chair Blumer

NAYS: Commissioner Richards

Motion carried: 6-1

B. Text Amendment 2022-10 – PUD Decks

Director Schmitt outlined Text Amendment 2022 -10 –PUD Decks for discussion.

**Commissioner Trezise moved to approve Text Amendment 2022-10 – PUD Decks. Seconded by Commissioner Snyder.**

ROLL CALL VOTE: YEAS: Commissioners Richards, Shrewsbury, Premoe, McConnell, Snyder, Vice-Chair Trezise, Chair Blumer

NAYS: Commissioner

Motion carried: 7-0

**9. OTHER BUSINESS - NONE**

- Construction noise level screening
- Efforts to avoid erosion on the bank

Chair Blumer closed the Public Hearing at 8:02 pm.

- B. Special Use Permit #22-051 – 3830 & 3836 Okemos Road – Bickford House Expansion, structure greater than 25,000 square feet

Chair Blumer Opened the Public Hearing at 8:02 pm

Director Schmitt outlined Special Use Permit #22-051 – 3830 & 3836 Okemos Road – Bickford House Expansion, structure greater than 25,000 square feet for Public Hearing.

Chair Blumer called for a straw poll.

STRAW POLL:           YEAS: Commissioners McConnell, Premoe, Cordill, Richards, Snyder, Vice-Chair Trezise, Chair Blumer

NAYS: NONE

Chair Blumer Closed the Public Hearing at 8:05 pm.

- C. Mixed-Use Planned Unit Development #22014 – 1621 & 1625 Haslett Road – Haslett Village

Chair Blumer opened the Public Hearing at 8:05 pm.

Senior Planner Shorkey outlined Mixed-Use Planned Unit Development #22014 – 1621 & 1625 Haslett Road – Haslett Village for Public Hearing.

Commissioner McConnell stated the applicant needs two more amenity points from tier one amenities, and asked if they use one tier two amenity instead.

Senior Planner Shorkey replied not for the building height, but if they lower building A1 by one foot the requirement goes away.

Applicant's representative Mike Bosgraaf, 873 S. Shore Dr., Holland, MI introduced the other applicants representatives and stated their roles in the project.

Applicant's representative Mike Corby, 840 Ottawa Ave., Grand Rapids, MI, further outlined Mixed-Use Planned Unit Development #22014 – 1621 & 1625 Haslett Road – Haslett Village for Public Hearing and listed the amenities planned for including:

Tier 1

- Dog Park
- Trail Head

Tier 2

- Electric Car Charging Station
- Outdoor Public Seating Plaza with Wi-Fi

- 50% of units being one bedroom dwellings

Tier 3

- Greenspace
- Low Flow Plumbing Fixtures
- Wireless Access
- Decorative Lighting

Commissioner Cordill stated the drive through seems to defeat the idea of a pedestrian environment.

Mr. Corby stated they are trying to create loops and pathways to avoid pedestrians walking near large parking lots, but the section in G1 is not convenient and he is trying to work around it.

Commissioner Cordill asked if there will be an additional special use permit for the drive through within the MUPUD.

Director Schmitt replied there will not.

Commissioner Cordill stated a nice feature could be added to the round-about.

Mr. Corby stated they do plan on having something in the round about other than just grass.

Commissioner Cordill asked if there are plans to light the pickle ball courts.

Mr. Corby replied no.

Commissioner Cordill asked for elaboration on the dwellings.

Mr. Corby explained building A1 on Haslett Rd. will be stacked flats with a central corridor. The units on ground level will have front porches and their own entry points.

Mr. Bosgraff described the townhomes as two story units with one entrance, a back patio or porch, and a garage.

Mr. Corby explained the 12 and 24 unit buildings as having internal stairs and entrances for above ground units, while the ground units will have their own front doors.

Commissioner McConnell asked about an issue with pedestrian access to the community center from Haslett Rd.

Mr. Corby stated he could enhance the pedestrian access along Haslett Road.

Commissioner McConnell asked if there is any plan for outdoor seating at the retail restaurant on the south east corner.

Mr. Corby stated it's difficult to say at this point. Director Schmitt indicated that there was nothing that would prevent it if a user or tenant came along and wanted it.

Commissioner McConnell asked if the community center and pickle ball courts will be open to general public.

Mr. Corby replied the community center will be open to the general public, but the pickle ball courts will not.

Commissioner McConnell asked who will manage the dog park.

Mr. Bosgraff stated it's currently viewed as a public space, and the township will likely take over the Dog Park.

Commissioner Snyder asked about the placement of the playground.

Mr. Corby stated it's probably going to be placed by G1.

Commissioner Snyder asked about the townhomes becoming reconsidered for home ownership instead of rentals.

Mr. Bosgraff stated the townhomes are currently planned to be rentals.

Vice-Chair Trezise asked what structure will be built first.

Applicants Representative Chad Koster, 940 Floral Ave., Grand Rapids, MI stated demolition will start in summer. Underground construction of utilities and roads will begin in fall and winter of 2022 and continue into spring of 2023. Construction of buildings G1, A1, B3, B4, B5, and D4 will begin in spring of 2023.

Vice-Chair Trezise expressed concern with the possibility of commercial space becoming residential of the course of construction.

Commissioner Cordill asked about affordability of the residential areas.

Mr. Corby replied he is not planning for Michigan State Housing Development Authority affordability levels.

Commissioner Snyder asked for a ball park price point.

Mr. Bosgraff stated those numbers exist, however was not able to give a complete answer at this time.

Commissioner Premoe asked if there will be a continuing process of approval during construction to address possible project changes.

Director Schmitt stated if the changes would meet the definition of a major amendment under the Ordinance adopted then the project would be looked at again.

Neil Bowlby, 6020 Haslett Rd., spoke about the Haslett PICA zones and Haslett Village Project.

Director Clark spoke about her work in attracting businesses to the Village of Haslett Project.

Chair Blumer closed the Public Hearing at 9:27 pm.

## **8. UNFINISHED BUSINESS - NONE**

## **9. OTHER BUSINESS**

### **A. Bath Township Master Plan – Introduction**

Director Schmitt outlined and discussed the Bath Township Master Plan with the Planning Commission.

### **B. Zoning Board of Appeals Liaison – Appointment**

Director Schmitt outlined and discussed the Zoning Board of Appeals Liaison with the Planning Commission.

### **C. Municipal Signage – Text Amendment Introduction**

Director Schmitt outlined and discussed the Municipal Signage Text Amendment with the Planning Commission.

## **10. REPORTS AND ANNOUNCEMENTS**

### **A. Township Board update.**

Director Schmitt reported the Township Board has had initial discussion on six Ordinance Amendments and one rezoning request, 4 of them will be brought for introduction at the Tuesday April 26<sup>th</sup> meeting, and three more will be brought on the May 3<sup>rd</sup> meeting.

### **B. Liaison reports**

Commissioner Premoe

- The Brownfield Redevelopment Authority have not met recently

Commissioner Snyder

- The Transportation Committee will be meeting in May

## **11. PROJECT UPDATES**

### **A. New Applications**

NONE

### **B. Site Plans Received**

NONE

CHARTER TOWNSHIP OF MERIDIAN  
DEPARTMENT OF COMMUNITY PLANNING AND DEVELOPMENT  
5151 MARSH ROAD, OKEMOS, MI 48864  
PHONE: (517) 853-4560, FAX: (517) 853-4095

MIXED USE PLANNED UNIT DEVELOPMENT APPLICATION

Before submitting this application for review, an applicant shall participate in the pre-application conference with the Director of Community Planning and Development to discuss the requirements for a Mixed Use Planned Unit Development.

Part I

- A. Applicant SP HOLDING COMPANY LLC  
 Address of Applicant 148 S. RIVER ST., SUITE 100, HOLLAND, MI 49423  
 Telephone - Work (616) 437-7202 E-Mail SHAQ.KOSTER@PARAMOUNT Fax N/A  
 Interest in property (circle one): Owner  Tenant  Option  R.P. COM Other   
 (Please attach a list of all persons with an ownership interest in the property.)  
OWNERSHIP LETTER INCLUDED.
- B. Site address / location / parcel number 1621 & 1655 HASLETT RD / HASLETT / 33-02-02-10-401-005  
 Legal description (please attach if necessary) SEE PLANS  
 Current zoning C-2  
 Project name HASLETT VILLAGE
- C. Developer (if different than applicant) SAME  
 Address \_\_\_\_\_  
 Telephone: Work \_\_\_\_\_ E-Mail \_\_\_\_\_ Fax \_\_\_\_\_
- D. Architect, Engineer Planner or Surveyor responsible for design of project if different from applicant:  
 Name GRUB PETRU - KESB INC  
 Address 2116 HASLETT RD, HASLETT, MI 48840  
 Telephone(s) (517) 339-1014 E-Mail GPETRU@KESB.COM Fax 517 339-8047
- E. Acreage of all parcels in the project: Gross 19.04 Net 19.04
- F. Proposed Uses and Site Amenities:
1. Non-residential uses:
    - a. Type COMMUNITY CENTER / COMMERCIAL / RESTAURANT
    - b. Percent of project area 7.5%
    - c. Total square feet for non-residential uses 21,750 SF
    - d. Usable floor area 21,750 SF
    - e. Number of employees 16 FULL TIME / 45 PART TIME (BLOG. GI & HI)
    - f. Hours of operation 6AM-9PM (BLOG GI) 9AM-9PM (BLOG HI)
  2. Residential Uses:
    - a. Percent of project area 92.5%
    - b. Total dwelling units 302
    - c. Dwelling unit mix:
      - i. Number of single family detached: for Rent \_\_\_\_\_ Condo \_\_\_\_\_
      - ii. Number of duplexes: for Rent \_\_\_\_\_ Condo \_\_\_\_\_
      - iii. Number of townhouses: for Rent 28 Condo \_\_\_\_\_
      - iv. Number of garden style apartments: for Rent \_\_\_\_\_ Condo \_\_\_\_\_
      - v. Number of other dwellings: for Rent 274 Condo \_\_\_\_\_

3. Parking:
- a. Non-residential uses ± 130
- b. Residential uses ± 356
4. Proposed Amenities: Type LOW FLOW PLUMBING FIXTURES  
 (General) Type GREEN SPACE  
 Type WIRELESS ACCESS POINTS  
 Type DECORATIVE LIGHTING
- Proposed Amenities: Type PUBLIC RECREATION RESOURCE  
 (Density Bonus) Type PUBLIC OUTDOOR SEATING PLAZA  
 Type ELECTRIC CAR CHARGING  
 Type COMMUNITY-FOCUSED BUNDLE / DOG PARK, TRAIL HEAD, FOOD TRUCK COURT

G. The following support materials must be submitted with the application:

1. Nonrefundable fee. - MAILED BY OWNER
2. Legal Description of the property. (A sealed survey may be required)
3. Evidence of fee or other ownership of the property or a letter from the owner authorizing the request including the owner's proof of ownership. INCLUDED
4. A written description of the project including, but not limited to: a site analysis; the principal factors which influenced the site plan and architectural elements; and, the proposed phasing program for non-residential and residential uses, installation and/or construction of amenities. INCLUDED
5. Fourteen copies (Thirteen (13) 24"x36" and one 8½" x11") of a Site Plan drawn to a readable scale containing the following (may be a set of plans for readability):
  - Total property, its location in the Township, its relationship to adjacent properties - 3 COPIES
  - Boundaries of subject property - 11 X 17 SETS
  - Location and dimensions of all existing and proposed structures - PDF SET + MATERIALS
  - Approximate location and distance of all structures within 100 feet of the subject property
  - Proposed means of vehicular and pedestrian ingress and egress to the subject property
  - Public and private roads and streets, rights-of-way and easements indicating names and widths of streets which abut or cross the site
  - Existing and proposed parking spaces and vehicular and pedestrian circulation patterns
  - Dimensions of setbacks from streets, property lines and between buildings on the site
  - Location of proposed amenities
  - Location and size of existing utilities including power lines and towers, both above and below ground
  - Amount and location and calculation of all impervious surfaces
  - Verified boundaries of all natural water features and required setback lines
6. A reproducible two foot contour topographic map based on United States Geological Survey (USGS) drawn at the same scale as the site plan and showing existing relief features on the site.
7. A schematic layout of the proposed storm sewer system.
8. Architectural sketches of all elevations of proposed buildings or structures, including the project entrances, as they will appear upon completion. The sketches should be accompanied by material samples or a display board of the proposed exterior materials and colors.
9. Floor plans of proposed residential units.

- ~~10.~~ A Traffic Study (if the project will exceed 100 vehicle trips during the peak hours of the roadway(s), prepared by a qualified traffic engineer, based on the most current edition of *Evaluating Traffic Impact Studies: A Recommended Practice for Michigan Communities*, published by the State Department of Transportation.
- ~~11.~~ Natural Features Study for previously undeveloped properties which includes a written description of natural features proposed to be retained, removed, or modified. Natural features shall include, but are not limited to, wetlands, floodways, floodway fringe, waterbodies, significant stands of trees or individual trees greater than 12 inches dbh, identified groundwater vulnerable areas, slopes greater than 20 percent.
- ~~12.~~ Preliminary engineering reports in accordance with the adopted Township water and sewer standards, together with a letter of review from the Township Engineer. *met w/ YOUNES*
- ~~13.~~ A sign program illustrating size and location of each proposed sign type.
- ~~14.~~ A lighting plan (see Chapter 38, Article VII).
- ~~15.~~ Copies of comments from reviewing agencies such as, but not limited to, the following:
  - Ingham County Road Commission
  - Ingham County Drain Commission
  - Michigan Department of Transportation (if applicable)
  - Michigan Department of Environmental Quality (if applicable)
  - The appropriate school board (as applicable)

*— PLANS SUBMITTED TO EACH*

H. Any other information specified by the Director of Community Planning and Development which is deemed necessary to evaluate the application.

**Part II**

I (we) hereby grant permission for members of the Charter Township of Meridian's Boards and/or Commissions, Township staff member(s) and the Township's representatives or experts the right to enter onto the above described property (or as described in the attached information) in my (our) absence for the purpose of gathering information including but not limited to the taking and the use of photographs.

Yes     No    (Please check one)

By the signature(s) attached hereto, I (we) certify that the information provided within this application and accompanying documentation is, to the best of my (our) knowledge, true and accurate

*[Signature]*  
Signature of Applicant

*3/15/22*  
Date

*CHAD KOSTER*  
Type/Print Name

Fee: \_\_\_\_\_

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Pre-Application Meeting Held: \_\_\_\_\_  
Date

Application Complete: \_\_\_\_\_  
Date

By: \_\_\_\_\_  
Staff

We are excited to present our concept for the redevelopment at Haslet Village. Our overall vision is to create a vibrant mixed-use development with an emphasis on desirable quality of life characteristics. These include walkability, activities, amenities, quality living units and a strong sense of community.

### **Site Concept**

The site's land plan is to establish new corridors for vehicle and pedestrian movement that fosters safety and comfort with sidewalks, landscaping and architecture that relate well together.

These primary pathways knit together an interesting combination of retail community activities, hospitality, physical activity, and community amenities. Large areas of asphalt will give way to a well-choreographed neighborhood network of properly scaled buildings.

Our primary ingress/egress paths from Marsh and Haslett Roads will be in the same locations, and we have coordinated with the neighboring Pine Village Development to create an easily adapted reset to some of the site's current influences.

Our proximity to the current trail to the South allows us to plug into this community amenity. We are taking full advantage of this and are in fact, planning on a community accessed trail head from our property along with a dog park.

Our site's amenities are positioned throughout the neighborhood and include:

- Dog Park
- Trailhead with restroom
- Activity lawn/park
- Pickle ball courts
- Outdoor social space with open and covered terraces
- Outdoor pool and sundeck
- Food truck staging area with restrooms
- Robust network of sidewalks and paths

We are leaving the current natural area to the site's southwest for nature paths and green space.

The Haslett frontage will house our commercial uses, that includes a new development on the corner which better aligns its site relation to the current township's zoning and planning initiatives.

We are repurposing one of the existing buildings along Haslett Road to be our community social node with a community room, restrooms, a fitness and personal training studio, and a small restaurant with a drive-through. It will also be our staging area for events and social activities, include covered and open terraces with fire pits, an outdoor pool with sun deck, a playground, and hook-ups for food trucks.

### **Architecture**

As described above Haslett Road will be our predominantly commercial frontage with a new building/development planned on the corner as a retail or restaurant with potential drive-through, the repurposed center building with retail/restaurant and amenities; and our four-story residential building (A1) to the west. Our leasing office and central lobby will be on the corner of this building to provide a welcoming and inviting component to this key point of entry.

The architecture (see exterior elevations and renderings) is a more contemporary, yet familiar look, with a freshness created by simple forms and some splashes of color. Our material palette has brick with some vinyl siding for the residential structures, properly scaled gables, and residential detailing. Porches on the street sides of the buildings will contribute to a more pleasant feel to our streetscapes. Buildings (H1) and (G1) are expected to be single story. Building (A1) is planned as four-stories to match the scale of the adjacent Pine Village structure.

The internal residential buildings will be a mix of (12) and (24) unit, three-story walkups, as well as some two-story townhouses positioned on the southern end of the property.

We have taken great care to work with the existing utility network that is present on the site and have aligned our primary east/west internal road to accommodate primary utilities. Our road network will be private drives, however not restricted access. The walking network and most of our amenities will be available to the broader community.

This has been a careful and thoughtful decision to bring new life and a vibrant new neighborhood to the township, as well as bring community amenities and establish another social node to Meridian township.

**Proposed Phasing Program**

<b>Phase</b>	<b>Begin</b>	<b>End</b>	<b>Description</b>
1	Summer 2022	Fall 2022	Demolition of all structures on the property
2	Fall 2022	Winter/Spring 2023	Underground construction: utilities, roads
3	Spring 2023	Winter 2024	Buildings: G1, A1, B3, B4, B5, D4
4	Spring 2024	Winter 2025	Buildings: B1, B2, C1, D1, D2, D3, Pickleball courts, Activity Lawn, Dog park, Trailhead
5	Spring 2025	Winter 2026	Buildings: B6, B7, B8, C2, E1, E2
6	Spring 2027	Winter 2028	Buildings F1, F2



VIA ELECTRONIC MAIL

# Martin

March 15, 2022

**Van W. Martin,**  
CCIM, SIOR, CRE  
President and CEO

Charter Township of Meridian  
Community Planning and Development  
5151 Marsh Road  
Okemos, MI 48864

Attn: Tim Schmitt, Director

**RE: Haslett Village Square**

Tim:

I hereby acknowledge that LTG Haslett, L.L.C. is currently under contract with Lake Drive Group, LLC for a portion of the property at Haslett Village Square depicted as Parcel B and Parcel C on the attached Exhibit A. I am aware of and in agreement with the Buyer's request to submit the MUPUD application for the subject property.

You have my permission to proceed.

Sincerely,

LTG Haslett, L.L.C.  
Van W. Martin, CCIM, SIOR, CRE  
Manager

1111 Michigan Ave, Ste 300  
East Lansing, MI 48823

VWM/lb

Office: 517 351-2200

Direct: 517 319-9262

Cell: 517 881-2021

Fax: 517 351-2999

van.martin@  
[martincommercial.com](http://martincommercial.com)



DS DS  
MM MB

**REVISED EXHIBIT A**

To the Real Estate Sale Agreement  
Dated October 13, 2021  
Between LTG Haslett, L.L.C. as Seller  
And  
Lake Drive Group, LLC, as Buyer



8 5 0 2 7 7 9

Tx:4327837

10/16/2020 10:30:00 AM

INST. # 2020-035595

DERRICK QUINNEY

REGISTER OF DEEDS

INGHAM COUNTY MICHIGAN

RECORDED ON:

10/19/2020 04:04 PM

PAGES: 9

B 9 PG 992

**SURVEY**

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THE SPACE ABOVE THIS LINE IS RESERVED FOR RECORDER'S USE



Ingham County Register of Deeds

Derrick Quinney, Register

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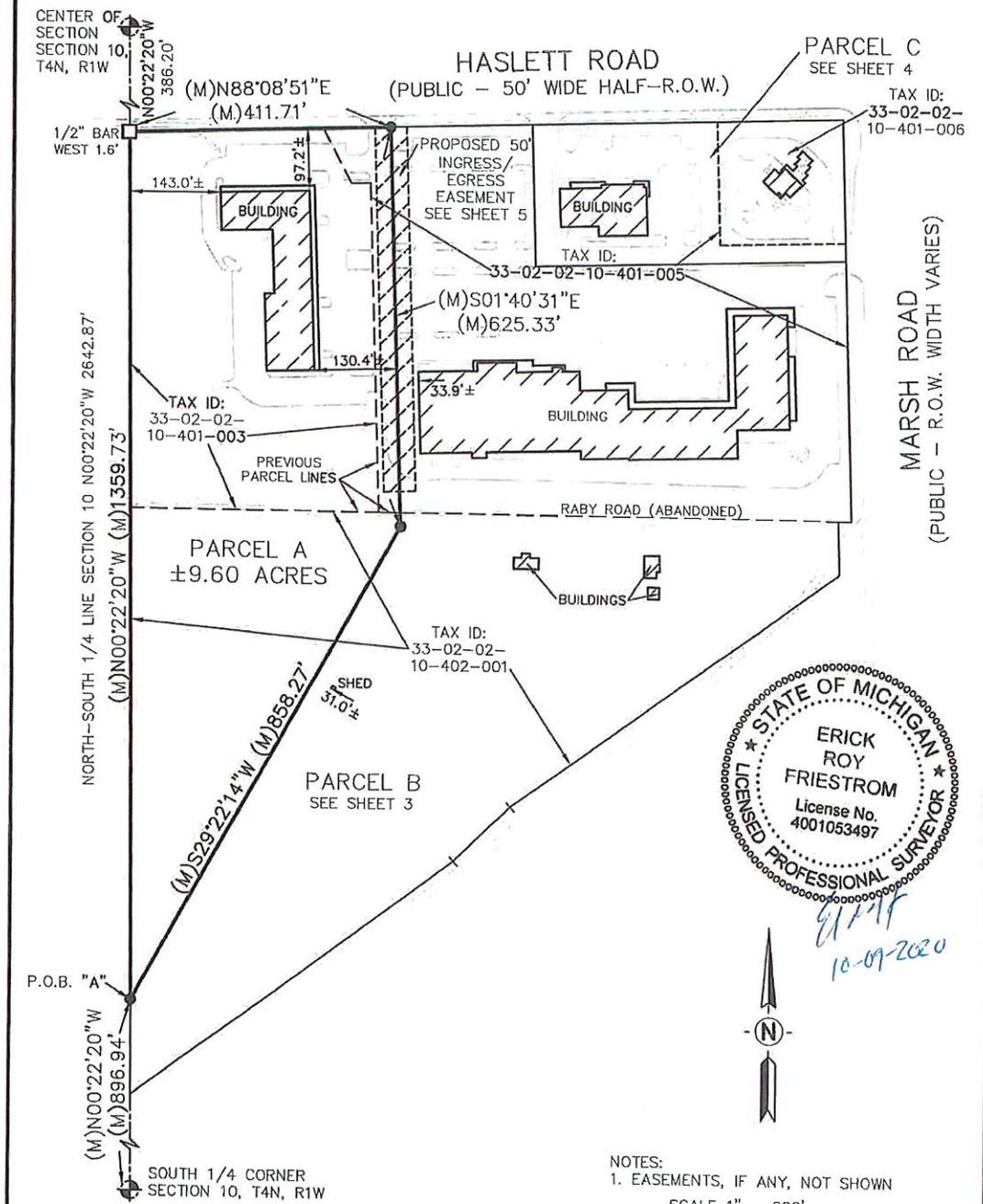
THIS PAGE IS ADDED TO ALLOW ADEQUATE ROOM FOR RECORDING INFORMATION

DO NOT REMOVE THIS PAGE



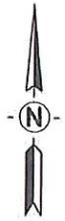
# CERTIFIED BOUNDARY SURVEY PARCEL A DETAIL

FOR: CYPRESS PARTNERS, LLC  
LTG HASLETT, L.L.C.



STATE OF MICHIGAN  
ERICK ROY FRIESTROM  
License No. 4001053497  
LICENSED PROFESSIONAL SURVEYOR

*ERIK*  
10-09-2020



NOTES:  
1. EASEMENTS, IF ANY, NOT SHOWN  
SCALE 1" = 200'

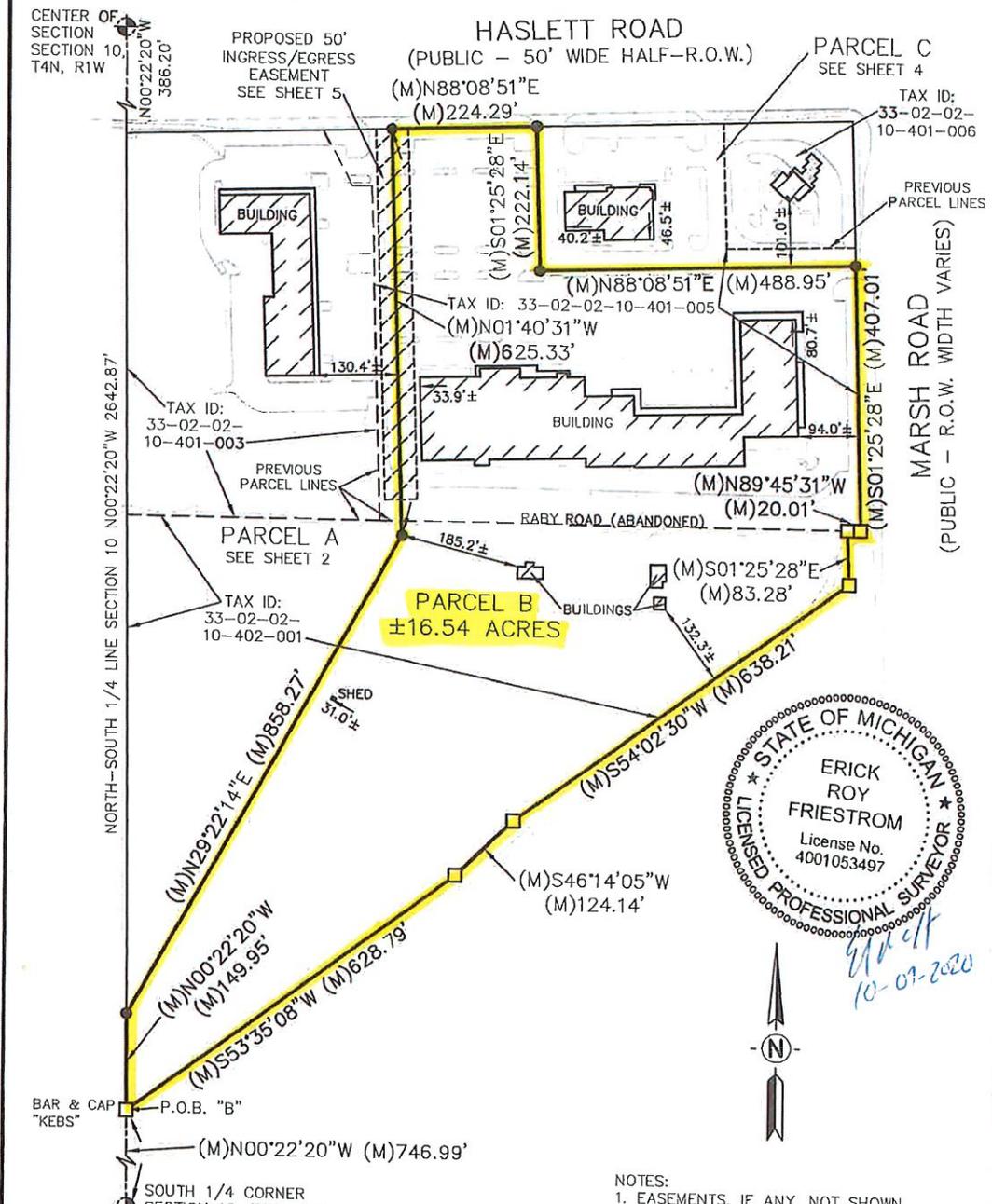


- LEGEND**
- (M) = Measured Distance
  - (R) = Record Distance
  - = Set 1/2" Bar with Cap
  - = Found Bar & Cap #53497 Unless Noted
  - = Survey Boundary Line
  - = Distance Not to Scale
  - x-x- = Fence
  - 0.0'± = Denotes Distance to the Survey Line
- All Dimensions are in Feet and Decimals Thereof.

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DRAWN BY <b>SSF</b>	SECTION 10, T4N, R1W	
FIELD WORK BY <b>NAW</b>	JOB NUMBER:	
SHEET <b>2</b> OF <b>8</b>	<b>95688.BND</b>	

# CERTIFIED BOUNDARY SURVEY PARCEL B DETAIL

FOR: CYPRESS PARTNERS, LLC  
LTG HASLETT, L.L.C.



NOTES:  
1. EASEMENTS, IF ANY, NOT SHOWN  
SCALE 1" = 200'



**LEGEND**

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- = Distance Not to Scale
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- 0.0'± = Denotes Distance to the Survey Line

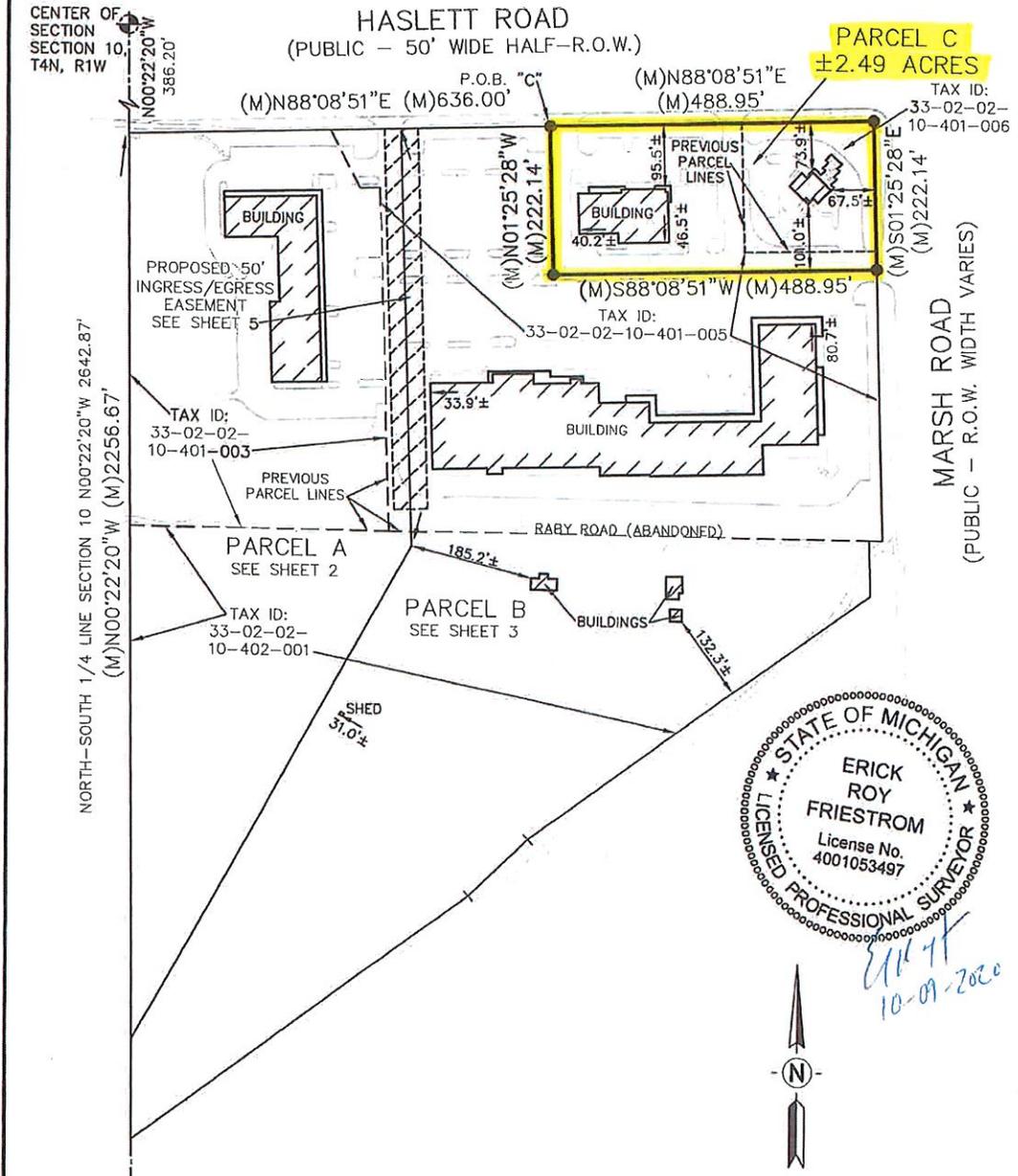
All Dimensions are in Feet and Decimals Thereof.

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	FIELD WORK BY NAW	JOB NUMBER:
SHEET 3 OF 8	95688.BND	

# CERTIFIED BOUNDARY SURVEY PARCEL C DETAIL

DS  
WMM MB

FOR: CYPRESS PARTNERS, LLC  
LTG HASLETT, L.L.C.



STATE OF MICHIGAN  
ERICK ROY FRIESTROM  
LICENSED PROFESSIONAL SURVEYOR  
License No. 4001053497

*ERIK F*  
10-09-2020



NOTES:  
1. EASEMENTS, IF ANY, NOT SHOWN  
SCALE 1" = 200'

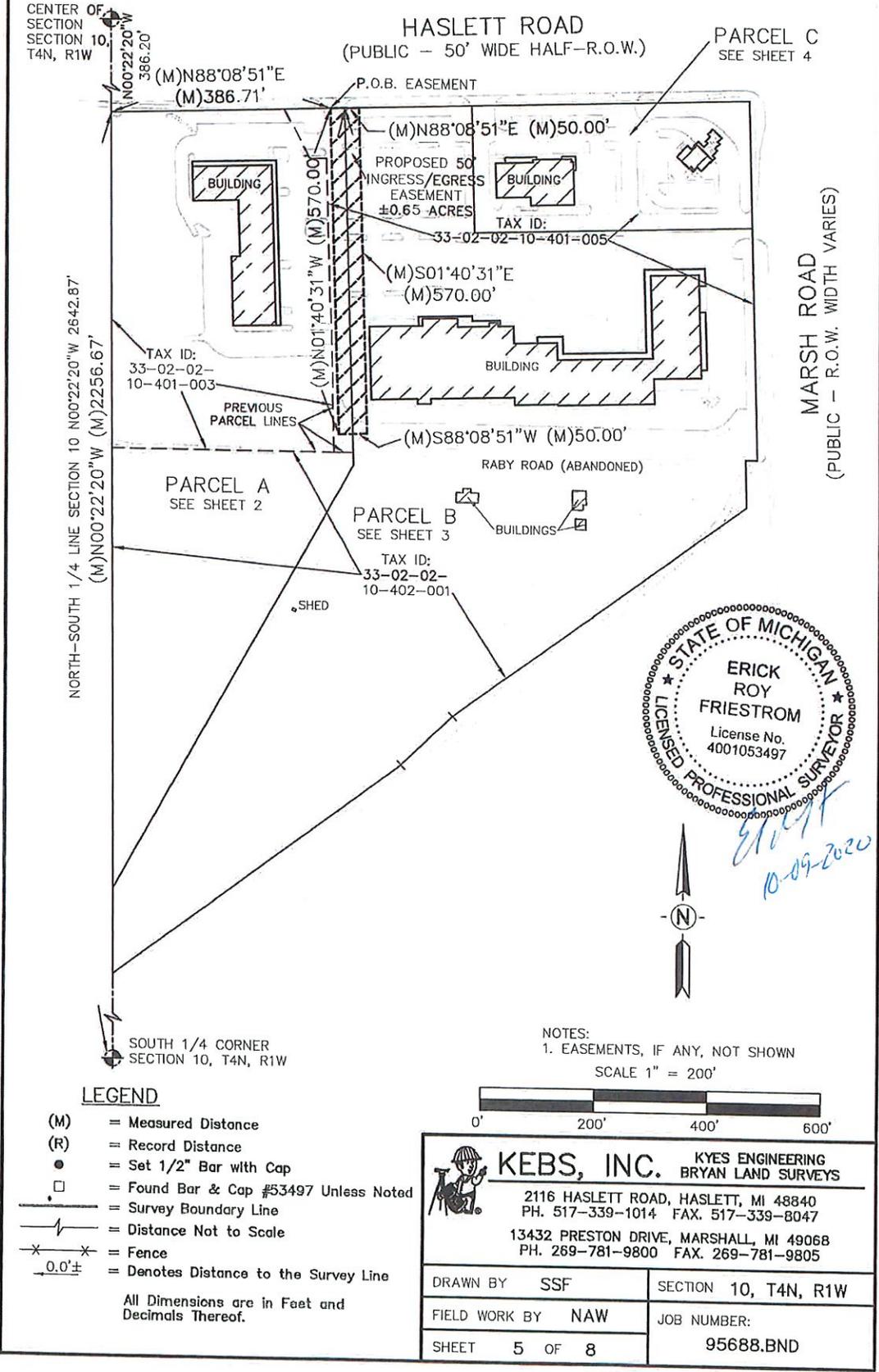


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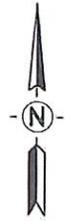
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FIELD WORK BY NAW	JOB NUMBER:	
SHEET 4 OF 8	95688.BND	

# CERTIFIED BOUNDARY SURVEY INGRESS/EGRESS EASEMENT DETAIL

FOR: CYPRESS PARTNERS, LLC  
LTG HASLETT, L.L.C.



STATE OF MICHIGAN  
ERICK ROY FRIESTROM  
LICENSED PROFESSIONAL SURVEYOR  
License No. 4001053497  
*Erik Roy Friestrom*  
10-09-2020



NOTES:  
1. EASEMENTS, IF ANY, NOT SHOWN  
SCALE 1" = 200'



**LEGEND**

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- = Distance Not to Scale
- x—x— = Fence
- 0.0'± = Denotes Distance to the Survey Line

All Dimensions are in Feet and Decimals Thereof.



**KEBS, INC.** KYES ENGINEERING  
BRYAN LAND SURVEYS

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13432 PRESTON DRIVE, MARSHALL, MI 49068  
PH. 269-781-9800 FAX. 269-781-9805

DRAWN BY SSF	SECTION 10, T4N, R1W
FIELD WORK BY NAW	JOB NUMBER:
SHEET 5 OF 8	95688.BND

## CERTIFIED BOUNDARY SURVEY

**CERTIFICATE OF SURVEY:**

I hereby certify only to the parties named hereon that we have surveyed and divided into two parcels, at the direction of said parties, three parcels of land previously described as:

(As provided by Transnation Title Agency, underwritten by Fidelity National Title Insurance Company, Commitment No. 183976LANS, dated June 13, 2016)

**PARCEL 1 (33-02-02-10-401-003):**

A parcel of land in the Southeast 1/4 of Section 10, Town 4 North, Range 1 West, Meridian Township, Ingham County, Michigan, described as: Commencing at the center of Section 10, Town 4 North, Range 1 West; thence South 00°32'45" East 386.20 feet along the North-South 1/4 line of said Section 10 to the point of beginning, said point being on the Southerly right of way line of Haslett Road; thence North 87°58'26" East 305.57 feet along said right of way line of Haslett Road; thence South 27°40'15" East 96.51 feet; thence North 87°58'26" East 30.00 feet parallel with said right of way line of Haslett Road; thence South 01°52'21" East 514.92 feet to a point on the centerline of Raby Road; thence North 89°55'56" West 391.40 feet along said centerline of Raby Road to the North-South 1/4 line of said Section 10; thence North 00°32'45" West 587.82 feet along said North-South 1/4 line to the point of beginning.

**PARCEL 2 (33-02-02-10-401-005):**

Commencing at the center of Section 10, South 00°32'45" East 386.2 feet along the North-South 1/4 line of Section 10; thence North 87°58'26" East 305.57 feet along the Southerly right of way line of Haslett Road to point of beginning; thence North 87°58'26" East 620.63 feet along said right of way; thence South 01°58'34" East 192.58 feet; thence North 88°19'10" East 198.59 feet to the Westerly right of way line of Marsh Road; thence South 01°52'21" East 453.47 feet along said right of way line to a point on the centerline of Raby Road; thence North 89°55'56" West 748 feet on said right of way line; thence North 01°52'21" West 481.92 feet; thence South 87°58'26" West 30 feet; thence North 27°40'15" West 96.51 feet to beginning, in Section 10, Town 4 North, Range 1 West, Meridian Township, Ingham County, Michigan. ALSO that part of abandoned Raby Road right of way recorded in Liber 2594, Page 568.

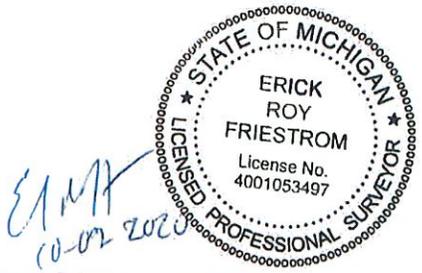
**PARCEL 3 (33-02-02-10-401-006):**

Commencing at the center of Section 10, Town 4 North, Range 1 West, Meridian Township, Ingham County, Michigan, South 00°32'45" East 386.2 feet along the North-South 1/4 line of said Section 10 to the South right of way line of Haslett Road, being 50 feet South of the centerline of said road, North 87°58'26" East 1125.14 feet on said South right of way line of Haslett Road to its intersection with the West right of way of Marsh Road, being 60 feet West of the centerline of said Road, said intersection of right of way's being point of beginning; thence South 01°52'21" East 193.78 feet on the West right of way line of Marsh Road; thence South 88°19'10" West 198.59 feet along the back of a curb of a Private Drive; thence North 01°58'34" West 192.58 feet along the back of the curb of the Private Drain to said South right of way line of Haslett Road; thence North 87°28'26" East 198.94 feet along said South right of way line to the point of beginning.

**PARCEL 4 (33-02-02-10-402-001):**

A parcel of land in the Southeast 1/4 of Section 10, Town 4 North, Range 1 West, Meridian Township, Ingham County, Michigan, described as: Beginning at a point on the North and South 1/4 line of said Section 1650 feet North of the South 1/4 post thereof; thence East 1191 feet to the center of the Okemos-Haslett Road; thence South in the center of said Road to the Northerly line of the Old M.U.R. right of way, thence Southwesterly along the Northerly line of said right of way to its intersection with the North and South 1/4 line; thence North to the place of beginning. EXCEPT: The East 80 feet thereof. ALSO EXCEPT: Easement for tower line granted to Consumers Power Company.

(Continued on Page 7)



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DRAWN BY <b>SSF</b>	SECTION 10, T4N, R1W
FIELD WORK BY <b>NAW</b>	JOB NUMBER:
SHEET <b>6</b> OF <b>8</b>	<b>95688.BND</b>

### CERTIFIED BOUNDARY SURVEY

(Continued from Page 6)

~~and that we have found or set, as noted hereon, permanent markers to all corners and angle points of the boundaries of said parcels and that the more particular legal descriptions of said parcels are as follows:~~

**PARCEL A:**

A parcel of land in the Southeast 1/4 of Section 10, T4N, R1W, Meridian Township, Ingham County, Michigan, the surveyed boundary of said parcel described as: Commencing at the South 1/4 corner of said Section 10; thence N00°22'20"W along the North-South 1/4 line of said Section 10 a distance of 896.94 feet to the point of beginning of this description; thence continuing N00°22'20"W along said North-South 1/4 line 1359.73 feet to the South right-of-way line of Haslett Road, said South line being South of and 50.00 feet measured perpendicularly to the centerline of Haslett road; thence N88°08'51"E along said South line 411.71 feet; thence S01°40'31"E 625.33 feet; thence S29°22'14"W 858.27 feet to the point of beginning; said parcel containing 9.60 acres more or less; said parcel subject to all easements and restrictions if any.

**PARCEL B:**

A parcel of land in the Southeast 1/4 of Section 10, T4N, R1W, Meridian Township, Ingham County, Michigan, the surveyed boundary of said parcel described as: Commencing at the South 1/4 corner of said Section 10; thence N00°22'20"W along the North-South 1/4 line of said Section 10 a distance of 746.99 feet to the point of beginning of this description; thence continuing N00°22'20"W along said North-South 1/4 line 149.95 feet; thence N29°22'14"E 858.27 feet; thence N01°40'31"W 625.33 feet to the South right-of-way line of Haslett Road, said South line being South of and 50.00 feet measured perpendicularly to the centerline of Haslett road; thence N88°08'51"E along said South line 224.29 feet; thence S01°25'28"E parallel with the West right-of-way line of Marsh Road 222.14 feet; thence N88°08'51"E parallel with said South line 488.95 feet to the West right-of-way line of Marsh Road, said West line being West of and 60.00 feet measured perpendicularly to the centerline of Marsh Road; thence along said West line S01°25'28"E 407.01 feet to the centerline of former Raby Road and a jog in the West right-of-way line of said Marsh Road; thence N89°45'31"W along said centerline and jog in right-of-way 20.01 feet to a point being West of and 80.00 feet measured perpendicularly to the centerline of Marsh Road; thence S01°25'28"E along said West line 83.28 feet to the Northerly line of a Consumers Energy tower line easement; thence along said Northerly line the following three courses: S54°02'30"W 638.21 feet, S46°14'05"W 124.14 feet; S53°35'08"W 628.79 feet to the point of beginning; said parcel containing 16.54 acres more or less; said parcel subject to all easements and restrictions if any.

**Parcel C:**

A parcel of land in the Southeast 1/4 of Section 10, T4N, R1W, Meridian Township, Ingham County, Michigan, the surveyed boundary of said parcel described as: Commencing at the South 1/4 corner of said Section 10; thence N00°22'20"W along the North-South 1/4 line of said Section 10 a distance of 2256.67 feet to the South right-of-way line of Haslett Road, said South line being South of and 50.00 feet measured perpendicularly to the centerline of Haslett road; thence N88°08'51"E along said South line 636.00 feet to the point of beginning; thence N88°08'51"E continuing along said South line 488.95 feet to the West right-of-way line of Marsh Road, said West line being West of and 60.00 feet measured perpendicularly to the centerline of Marsh Road; thence S01°25'28"E along said West line 222.14 feet; thence S88°08'51"W parallel with said South line 488.95 feet; thence N01°25'28"W parallel with said West line 222.14 feet to the point of beginning; said parcel containing 2.49 acres more or less; said parcel subject to all easements and restrictions if any.

(Continued on Page 8)

DS  
VMM MB



*10-07-2020*

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		DRAWN BY	SSF	SECTION
FIELD WORK BY	NAW	JOB NUMBER:		
SHEET	7 OF 8		95688.BND	



## Memo

**TO:** Darrel DeHaan – Integrated Architecture  
**FROM:** Michael Labadie, PE – Fishbeck  
**DATE:** April 27, 2022 **PROJECT NO.:** 220503  
**RE:** Haslett Village Mixed Use Planned Unit Development (MUPUD) Trip Generation Comparison

### Background

This memo will detail the comparison of forecast trips generated by the proposed Haslett Village in Meridian Township, Michigan with the trips generated by the existing development located on the site. The proposed site is in the southwest (SW) corner of the Haslett and Marsh Roads intersection as indicated in Figure 1, see below.

Figure 1 – Proposed Project Site Location Map



### Trip Generation Comparison

#### Existing Conditions

Due to several vacancies in the existing development, the information and methodologies specified in the latest version of the Institute of Transportation Engineer's (ITE) Trip Generation Manual (11th Edition, 2021) were used to forecast the potential weekday a.m. and p.m. peak hour trips associated with the existing shopping center located in the SW corner of the Haslett and Marsh Roads intersection. The results of the trip generation forecasts are provided in Table 1, see below.

**Table 1 – Existing Trip Generation**

Land Use	Land Use Code	Units	a.m. Peak Hour			p.m. Peak Hour			Weekday
			In	Out	Total	In	Out	Total	
Shopping Plaza (40-150k); Supermarket – No.	821	78,883 sft	84	52	136	200	209	409	5326
<b>Total</b>	-	-	<b>84</b>	<b>52</b>	<b>136</b>	<b>200</b>	<b>209</b>	<b>409</b>	<b>5,326</b>
Pass-By Rates, LUC 821: 40% p.m.			0	0	0	80	84	164	-
<b>Total New Trips</b>			<b>84</b>	<b>52</b>	<b>136</b>	<b>120</b>	<b>125</b>	<b>245</b>	<b>-</b>

Square foot/feet (SFT)

Not all the traffic generated by the development will be new traffic added onto the adjacent roadway network. As with most commercial developments, a significant amount of the site-generated traffic is considered “pass-by” traffic. Pass-by trips are trips already present on the adjacent roadway network, which are interrupted to visit the site. Pass-by trips are normally expressed as a percentage of trips generated by the development. These pass-by rates are published in the ITE Trip Generation Manual.

The ITE Trip Generation Manual suggests a 40 percent p.m. pass-by rate for the land use “Shopping Plaza (40 150k); Supermarket – No”. With the application of the pass-by trip factors, the site-generated trips can be classified as “pass-by” and “new” trips. The proposed development is expected to generate 136 total trips during the a.m. peak hour and 409 total trips during the p.m. peak hour. However, based on the application of pass-by trips, only 245 of the p.m. peak hour trips will be new traffic not currently using the adjacent street network, whose primary purpose is to visit the development.

**Future Conditions**

Using the information and methodologies specified in the latest version of the ITE Trip Generation Manual, Fishbeck forecasted the weekday a.m. and p.m. peak hour trips associated with the proposed mixed-use planned unit development located in the SW corner of the Haslett and Marsh Roads intersection. The land uses and sizes are based on the site plan provided by Integrated Architecture, dated April 25, 2022. The results of the trip generation forecasts are provided below in Table 2, see below.

**Table 1 – Proposed Trip Generation**

Land Use	Land Use Code	Units	a.m. Peak Hour			p.m. Peak Hour			Weekday
			In	Out	Total	In	Out	Total	
Strip Retail Plaza (<40k)	822	14,000 sft	20	13	33	50	49	99	762
Coffee/Donut Shop with Drive-Through Window	937	2,000 sft	88	84	172	39	39	78	1067
Recreational Community Center	495	5,750 sft	7	4	11	7	7	14	170
Single Family Attached Housing	215	28 DU	3	6	9	7	6	13	163
Multifamily Housing (Low-Rise)	220	204 DU	21	65	86	68	40	108	1383
Multifamily Housing (Mid-Rise)	221	58 DU	3	11	14	14	9	23	230
<b>Total</b>	-	-	<b>142</b>	<b>183</b>	<b>325</b>	<b>185</b>	<b>150</b>	<b>335</b>	<b>3,775</b>
Internal Capture Reductions: 14% a.m. (16% In, 13% Out); 34% p.m. (31% In, 38% Out)			23	23	46	57	57	114	-
<b>Total External Trips</b>			<b>119</b>	<b>160</b>	<b>279</b>	<b>128</b>	<b>93</b>	<b>221</b>	<b>-</b>
Pass-By Rates, LUC 821: 40% p.m.			0	0	0	20	20	40	-
Pass-By Rates, LUC 934: 50% a.m.; 55% p.m.			44	42	86	21	21	42	-
<b>Total New Trips</b>			<b>75</b>	<b>118</b>	<b>193</b>	<b>87</b>	<b>52</b>	<b>139</b>	<b>-</b>

In multi-use developments, not all the trips generated are from sources outside the boundaries of the development but are rather trips that are “internally captured” within the site. The methodology presented in the ITE Trip Generation Manual, 3rd Edition, 2017 was followed to determine an appropriate internal capture rate for the proposed development. The results of this analysis suggest a 14 percent (16% in, 13% out) a.m. internal capture rate and a 34 percent (31% in, 38% out) p.m. peak hour internal capture rate for the combination of land uses. With the inclusion of the internal capture reductions, the proposed development will generate 279 external trips during the a.m. peak hour (119 inbound and 160 outbound) and 221 external trips during the p.m. peak hour (128 inbound and 93 outbound).

Not all the traffic generated by the proposed development will be new traffic added onto the adjacent roadway network. As with most new commercial development, a significant amount of the site-generated traffic is considered “pass-by” traffic. As stated previously, pass-by trips are trips already present on the adjacent roadway network, which are interrupted to visit the site, and are normally expressed as a percentage of trips generated by the new development.

The ITE Trip Generation Manual suggests a 40 percent p.m. pass-by rate for the land use Strip Retail Plaza (<40k) and a 50 percent a.m. and 55 percent p.m. pass-by rate for the land use Coffee/Donut Shop with Drive-Through Window. With the application of the pass-by trip factors, the site-generated trips can be classified as “pass-by” and “new” trips. The proposed development is expected to generate 279 total external trips during the a.m. peak hour and 221 total external trips during the p.m. peak hour. However, only 193 of the a.m. peak hour trips and 139 of the p.m. peak hour trips will be new traffic not currently using the adjacent street network, whose primary purpose is to visit the new development.

## Conclusions

A comparison of the potential existing trips for the land use “Shopping Plaza (40-150k); Supermarket – No” to the resulting new trips for the mixed-use planned unit development shows an overall increase of 57 new trips in the a.m. peak hour and an overall decrease of 106 trips in the p.m. peak hour. The weekday total trips results in a decrease of 1,551 trips. The change in trips comparison is provided in Table 3, see below.

**Table 2 – Difference in Trips from Existing to Proposed**

	a.m. Peak Hour			p.m. Peak Hour			Weekday
	In	Out	Total	In	Out	Total	
Difference in Trips	-9	+66	+57	-33	-73	-106	-1551

By email

# Preliminary Opinion of Sustainability Initiatives - For Reference Only



## LEED v4 for Neighborhood Development Plan Project Checklist

Project Name: Haslett Village Development  
29-Apr-22  
Date:

Yes ? No		14 12 0			Smart Location & Linkage			28			0 0 0			Green Infrastructure & Buildings			31		
Y					Prereq	Smart Location		Required				Prereq	Certified Green Building		Required				
Y					Prereq	Imperiled Species and Ecological Communities		Required				Prereq	Minimum Building Energy Performance		Required				
Y					Prereq	Wetland and Water Body Conservation		Required				Prereq	Indoor Water Use Reduction		Required				
Y					Prereq	Agricultural Land Conservation		Required				Prereq	Construction Activity Pollution Prevention		Required				
Y					Prereq	Floodplain Avoidance		Required				Credit	Certified Green Buildings		5				
5	5				Credit	Preferred Locations		10				Credit	Optimize Building Energy Performance		2				
					Credit	Brownfield Remediation		2				Credit	Indoor Water Use Reduction		1				
3	4				Credit	Access to Quality Transit		7				Credit	Outdoor Water Use Reduction		2				
1	1				Credit	Bicycle Facilities		2				Credit	Building Reuse		1				
1	2				Credit	Housing and Jobs Proximity		3				Credit	Historic Resource Preservation and Adaptive Reuse		2				
1					Credit	Steep Slope Protection		1				Credit	Minimized Site Disturbance		1				
1					Credit	Site Design for Habitat or Wetland and Water Body Conservation		1				Credit	Rainwater Management		4				
1					Credit	Restoration of Habitat or Wetlands and Water Bodies		1				Credit	Heat Island Reduction		1				
1					Credit	Long-Term Conservation Management of Habitat or Wetlands and Water Bodies		1				Credit	Solar Orientation		1				
												Credit	Renewable Energy Production		3				
												Credit	District Heating and Cooling		2				
												Credit	Infrastructure Energy Efficiency		1				
												Credit	Wastewater Management		2				
												Credit	Recycled and Reused Infrastructure		1				
												Credit	Solid Waste Management		1				
												Credit	Light Pollution Reduction		1				
		<b>2 0 0</b>			<b>Innovation &amp; Design Process</b>			<b>6</b>											
1					Credit	Innovation		5											
1					Credit	LEED® Accredited Professional		1											
		<b>2 2 0</b>			<b>Regional Priority Credits</b>			<b>4</b>											
1					Credit	Regional Priority Credit: Region Defined		1											
1					Credit	Regional Priority Credit: Region Defined		1											
1					Credit	Regional Priority Credit: Region Defined		1											
1					Credit	Regional Priority Credit: Region Defined		1											
		<b>42 28 0</b>			<b>PROJECT TOTALS (Certification estimates)</b>			<b>110</b>											

Certified: 40-49 points, Silver: 50-59 points, Gold: 60-79 points, Platinum: 80+ points



15 June 2022

**Meridian Township**

**Mr. Timothy R. Schmitt, AICP**

Community Planning and Development Director

5151 Marsh Road

Okemos, MI 48864

**RE: Haslett Village MUPUD**

Dear Timothy,

Thank you and Staff as well as the Planning Commission on the continued MUPUD process support and approval for our project. In preparation for our review with the Township Board, we have updated the submission to address some of the commentary from the Planning Commission and to clarify certain aspects of our submission.

The basic and approved plan remains consistent in terms of site layout, unit count and parking. However, we are including additional information or clarifications with the following highlights:

1. Sheet #6 shows the proposed playground (for resident use) location
2. Sheet #3 indicates the potential to link our pedestrian network to the West in the event that Pine Village cooperates and allows for this link as well to the existing trail network.
3. Sheet #8 is a supplemental diagram that indicates potential additional parking that can be gained if there is a demand higher than anticipated. Our experience with communities such as this, is that the average parking space demand hovers around 1.5 spaces/unit. Our current ratio is closer to 1.7 spaces/unit. It is our intent to make certain adequate parking is available to accommodate demand. We feel the current plan addresses this.

This added diagram shows how, in the event that we determine the demand in this instance exceeds our typical (and expected) demand, how we can accommodate additional beyond proposed. We will be fortunately able to "test" this demand ratio as we are planning to phase the project. We will assess, through our phasing analysis and impact, if our 1.7 spaces/unit is not sufficient and address in the future phases, if necessary. It will obviously also confirm our expectations. In any event, it is important that we have enough supply to meet the demands and therefore have strategies to affect this.

In addition to the above information, as we discussed the phasing / sequencing for the project and have been asked to clarify the phasing plan, specifically Building "H". While we are indicating that Building "H" will be part of the initial phase of constructed buildings, (see phasing plan below), the caveat that we explained to the Planning Commission was that Building "H", as a very prominent and important position in our design will be initially marketed to a few key users that can provide services / goods / accommodations for both the broader community, but also our residents, encouraging a more walkable setting. To that end, we are going to be more discerning about specific user(s), and if it is in the best interest, long term, for achieving this, the actual construction may shift a bit later for Building "H". However, the construction of Building "H" will be completed, in any circumstance, with the fully phased plan.

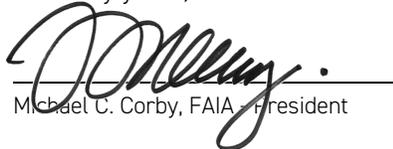
### Proposed Phasing Plan

PHASE	BEGIN	END	DESCRIPTION
1	Fall 2022	Fall 2022	Demolition of all structures on the property
2	Fall/Winter 2022	Spring 2023	Underground utilities, roads, and infrastructure
3	Spring 2023	Winter 2024	Buildings: A1, C1, C2, D2, D1, B1, I, H*
4	Spring 2024	Winter 2025	Buildings: E1, E2, E3, D3, C3, Pickleball courts, Activity lawn, Dog park, Trailhead
5	Spring 2025	Winter 2026	Buildings: C4, C5, B2, C6, G1, G2
6	Spring 2027	Winter 2028	Buildings: F1, F2

*\*Building "H" will be marketed for construction in our early phase, however, it may shift to latter phases.*

Thank you again for your assistance on this this process. Our team is continuing to be excited about this vision for a new, vibrant mixed-use neighborhood in the Township. We look forward to our opportunity to present this vision to the Board on the 21<sup>st</sup>!

Sincerely yours,



Michael C. Corby, FAIA – President

cc: Mike Bosgraaf – Lake Drive Group, LLC  
Chad Koster – Lake Drive Group, LLC  
Andrew Tjepkema – Integrated Architecture  
Darrel DeHaan – Integrated Architecture  
Greg Petru - KEBS

ATTACHMENT: Haslett Village Development MUPUD Submittal



**INTEGRATED ARCHITECTURE**  
840 OTTAWA AVE NW  
GRAND RAPIDS, MI 49503

**CONTEXT SITE PLAN**

**HASLETT VILLAGE DEVELOPMENT**  
HASLETT, MI

**MUPUD APPLICATION**  
21 JUNE 2022

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SITE LANDSCAPE CONCEPTS \_\_\_\_\_ 4

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SITE LIGHTING PHOTOMETRIC \_\_\_\_\_ 9

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CONCEPTUAL BUILDING PLANS \_\_\_\_\_ 20-24

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AMENITY & SIGNAGE DETAILS \_\_\_\_\_ 26

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---

**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

---

**APPLICANT:** *SP Holding Company LLC*  
**PREPARED BY:** *Integrated Architecture*

---

**PROJECT NO:** 20210604

---

**HASLETT VILLAGE**



**INTEGRATED**  
**ARCHITECTURE**

840 OTTAWA AVE NW  
GRAND RAPIDS, MI 49503

**CONTEXT SITE PLAN**

scale: 1" = 400'-0"   
0' 200' 400' 800'

**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC  
**PREPARED BY:** Integrated Architecture

**PROJECT NO:** 20210604

**HASLETT VILLAGE**

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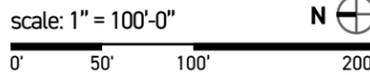
**ARCHITECTURAL SITE PLAN**

**KEYPLAN**

- TRASH LOCATIONS  
*(DETAILS ON PG.18)*
- BIKE PARKING  
*(43 SPACES MINIMUM)  
(72 SPACES SHOWN)*

RESIDENTIAL BREAKDOWN							
BUILDING	BLDG TYPE	UNIT DISTRIBUTION				UNIT TOTAL	BLDG AREA
		STU.	1BR	2BR	3BR		
A	APARTMENTS	4	38	15	-	57	48,000 GSF
B1	STACKED FLATS	-	12	-	-	12	9,020 GSF
B2	STACKED FLATS	-	12	-	-	12	9,020 GSF
C1	STACKED FLATS	-	-	12	-	12	12,100 GSF
C2	STACKED FLATS	-	-	12	-	12	12,100 GSF
C3	STACKED FLATS	-	-	12	-	12	12,100 GSF
C4	STACKED FLATS	-	-	12	-	12	12,100 GSF
C5	STACKED FLATS	-	-	12	-	12	12,100 GSF
C6	STACKED FLATS	-	-	12	-	12	10,370 GSF
D1	STACKED FLATS	-	3	6	3	12	10,370 GSF
D2	STACKED FLATS	-	3	6	3	12	10,370 GSF
D3	STACKED FLATS	-	3	6	3	12	10,370 GSF
E1	STACKED FLATS	-	24	-	-	24	18,660 GSF
E2	STACKED FLATS	-	24	-	-	24	18,660 GSF
E3	STACKED FLATS	-	24	-	-	24	18,660 GSF
F1	TOWNHOUSE	-	-	4	2	6	10,800 GSF
F2	TOWNHOUSE	-	-	4	2	6	10,800 GSF
G1	TOWNHOUSE	-	-	6	2	8	14,600 GSF
G2	TOWNHOUSE	-	-	6	2	8	14,600 GSF
TOTAL		4	143	125	17	289	274,800 GSF
			1%	49%	43%	6%	

COMMERCIAL BREAKDOWN		
BUILDING	BLDG TYPE	BLDG AREA
H	RETAIL	14,000 GSF
I	RETAIL/COMMUNITY	7,750 GSF



MUPUD SUBMITTAL  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: SP Holding Company LLC  
PREPARED BY: Integrated Architecture  
PROJECT NO: 20210604

**HASLETT VILLAGE**

**TREE LAYOUT SITE PLAN**

NOTE\*\*  
97 CANOPY TREES REQUIRED  
111 CANOPY TREES PROVIDED

NOTE\*\*\*  
ADDITIONAL LANDSCAPING REPRESENTED IS  
CONCEPTUAL. FINAL DESIGN AND COUNTS  
TBD. FINAL LANDSCAPE DESIGN TO ADHERE  
TO ALL DESIGN STANDARDS OUTLINED IN  
THE CHARTER TOWNSHIP OF MERIDIAN  
ZONING ORDINANCE CHAPTER 86 ARTICLE VIII  
(OFF-STREET PARKING AND LOADING) 86-758  
LANDSCAPING.

scale: 1" = 100'-0" N

0' 50' 100' 200'

**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC  
**PREPARED BY:** Integrated Architecture  
**PROJECT NO:** 20210604

**HASLETT VILLAGE**



**SITE AMENITY DIAGRAM**

**TIER 3 AMENITIES**

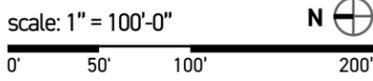
- 1** TRAILHEAD / DOG PARK / PAVILION  
RESTROOMS AND FACILITY SUPPORT

**TIER 2 AMENITIES**

- 2** ELECTRIC CAR CHARGING STATION
- 3** PUBLIC OUTDOOR SEATING PLAZA
- 4** DWELLING UNIT TYPES  
MAX 50% TIER UNITS

**TIER 1 AMENITIES**

- 5** GREEN SPACE  
EXCEEDING PERMEABLE SURFACE REGULATION BY 10%
- 6** LOW-FLOW PLUMBING FIXTURES
- 7** WIRELESS ACCESS POINTS  
AVAILABLE THROUGHOUT DEVELOPMENT
- 8** DECORATIVE LIGHTING  
ALONG PUBLIC STREETS, INTERNAL DRIVES, & PARKING



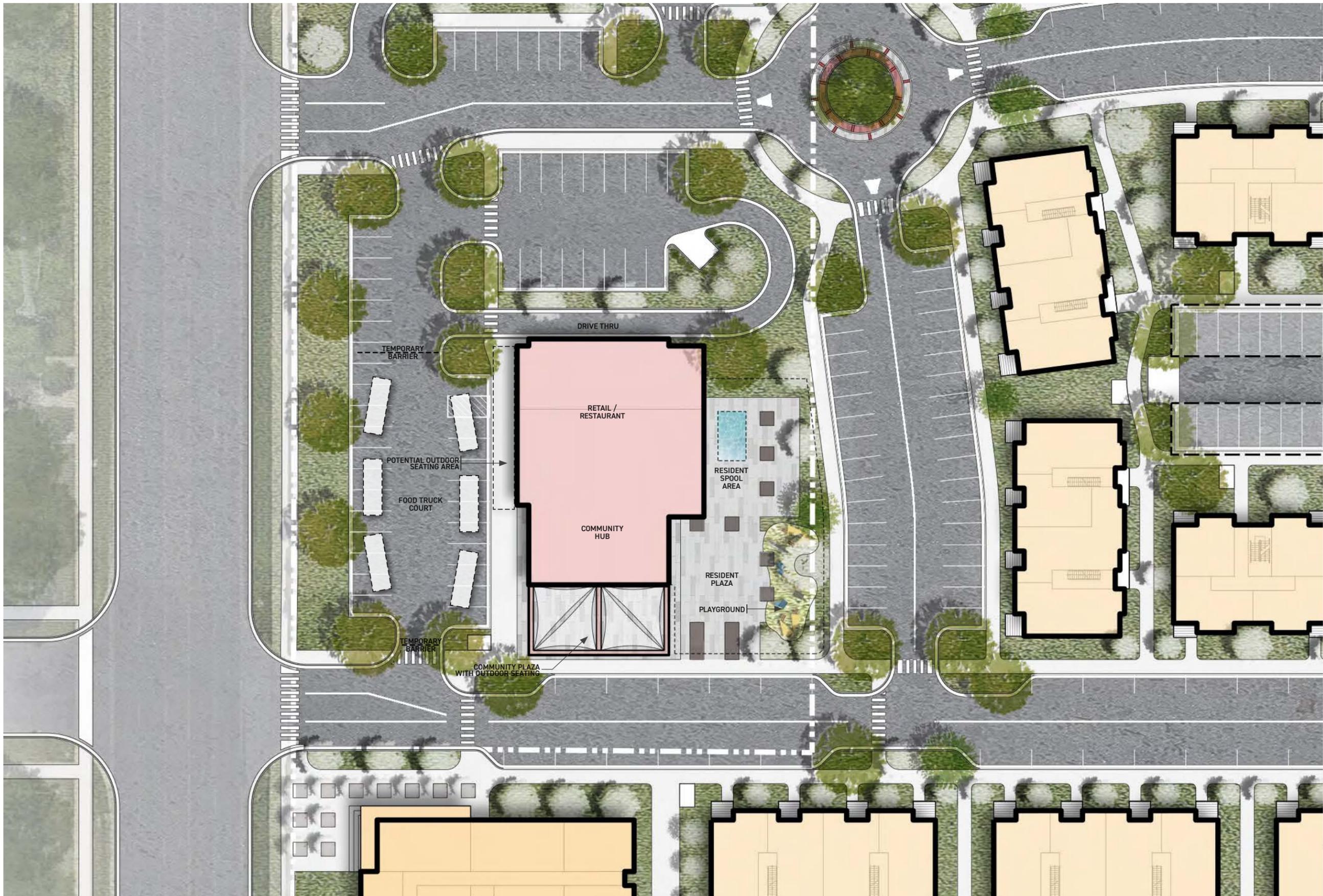
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ENLARGED SITE PLAN  
COMMUNITY HUB



scale: 1" = 40'-0"

0' 20' 40' 80'

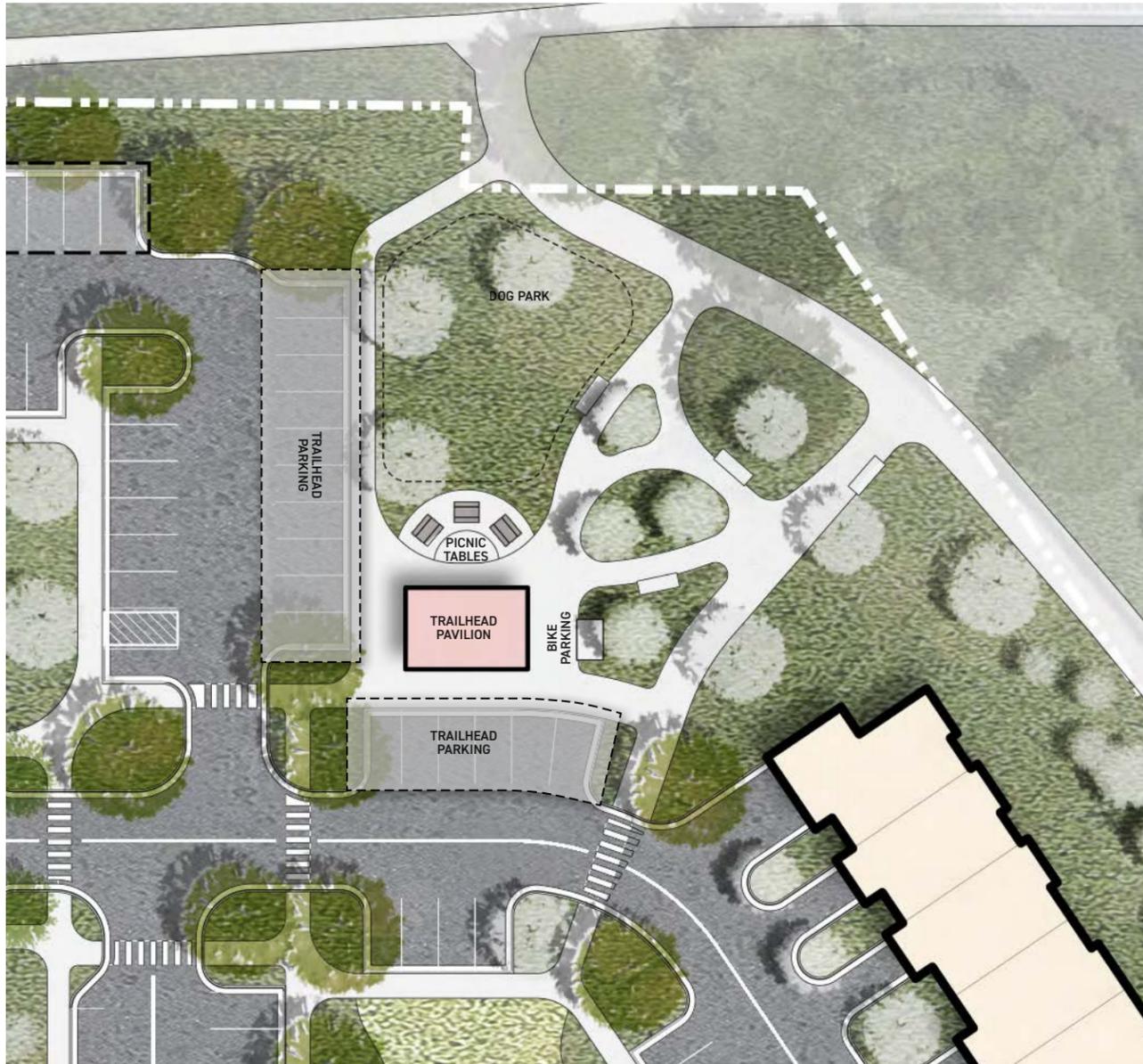
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MUPUD SUBMITTAL  
1621 Haslett Road  
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JUNE 21, 2022

APPLICANT: SP Holding Company LLC  
PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**



**INTEGRATED ARCHITECTURE**  
 840 OTTAWA AVE NW  
 GRAND RAPIDS, MI 49503

**ENLARGED SITE PLAN  
 TRAILHEAD PARK**



scale: 1" = 40'-0" N

0' 20' 40' 80'

**MUPUD SUBMITTAL**  
 1621 Haslett Road  
 Haslett, MI 48840  
 JUNE 21, 2022

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**PARKING EXPANSION  
OPPORTUNITY DIAGRAM**

CURRENT PARKING TOTAL:  
482 SPACES

REVISED NET PARKING ADDITIONS:  
44 SPACES

REVISED NET PARKING TOTAL:  
526 SPACES



scale: 1" = 100'-0" N

0' 50' 100' 200'

**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: SP Holding Company LLC

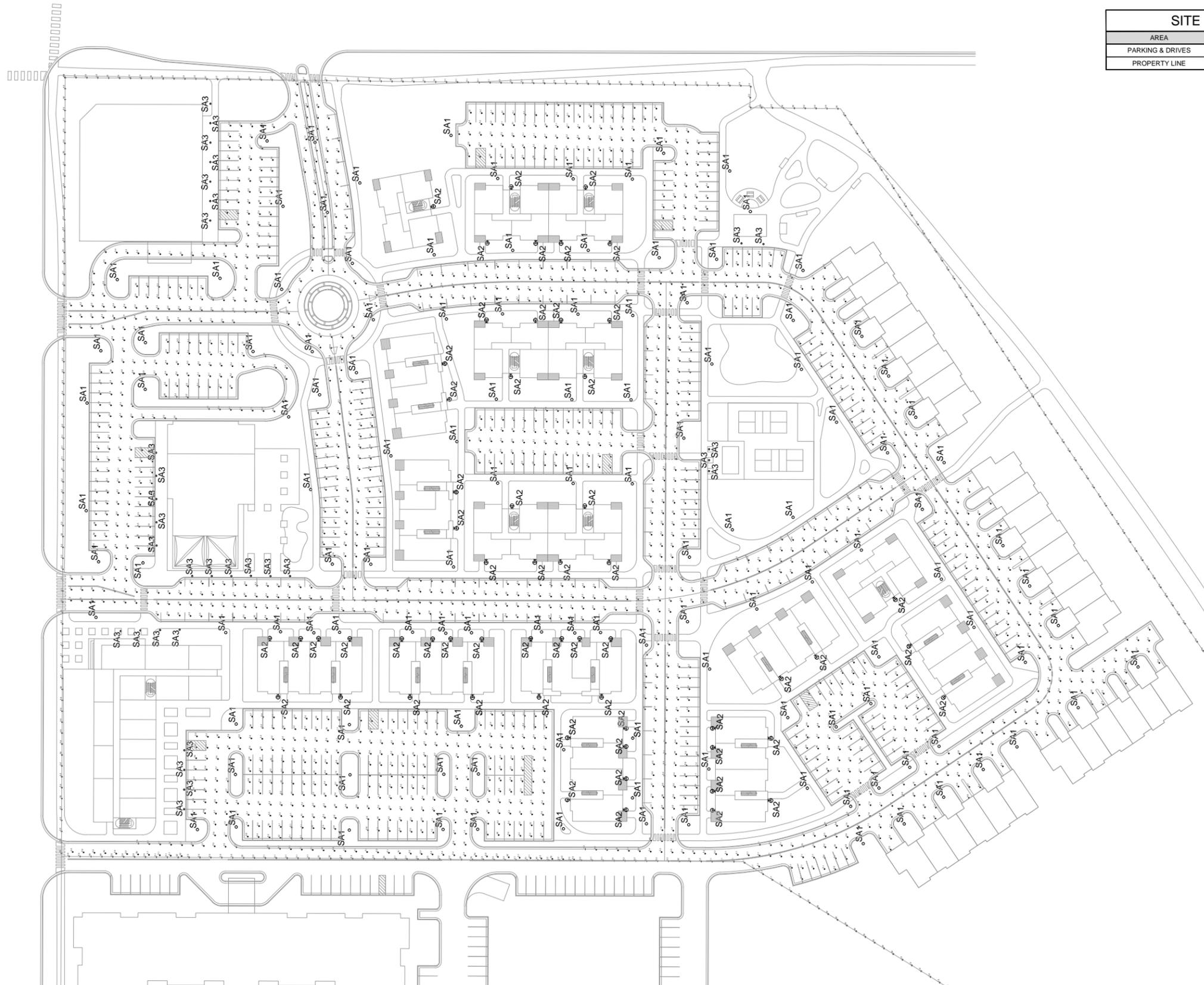
PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**

SITE LIGHTING FIXTURE SCHEDULE										
TYPE	MANUFACTURER	PART #	DESCRIPTION	MOUNTING	LAMP(S)	LUMENS	WATTS	VOLTAGE	DIMMING	NOTES
SA1	HESS	AV650 360L NW UNV A 12S S XX DIM	POLE TOP LED HEAD, 12' POLE, 4000K, DIMMING	POLE	LED	3080	54.2	120 / 277	0 - 10V	OR EQUAL
SA2	HESS	VL220 LED NW UNV W N MB-27 XX DIM	LED WALL SCENCE, 4000K, DIMMING, DOWNLIGHT ONLY	WALL	LED	2985	24.7	120 / 277	0 - 10V	OR EQUAL
SA3	HESS	CN900 LED NW UNV D XX DIM	LED BOLLARD, 3FT TALL, 4000K, DIMMING	GROUND	LED	460	19	120 / 277	0 - 10V	OR EQUAL

SITE PHOTOMETRIC STATISTICS					
AREA	AVG. (fc)	MAX. (fc)	MIN. (fc)	MAX-MIN	AVG-MIN
PARKING & DRIVES	0.5	1.6	0.0	N/A	N/A
PROPERTY LINE	0.0	0.4	0.0	N/A	N/A



**LIGHTING SPECIFICATION**  
(BASIS OF DESIGN)



SA1  
AVALON 650 LED (12 FT TALL POLE)



SA2  
VARELLO 220 LED (21" TALL)



SA3  
CENTO 900 LED (3FT TALL)

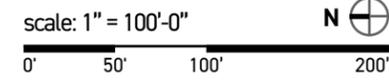


LANDSCAPE UPLIGHT  
WAC LIGHTING LED FLOOD LIGHT



**INTEGRATED ARCHITECTURE**  
840 OTTAWA AVE NW  
GRAND RAPIDS, MI 49503

**SITE PLAN PHOTOMETRIC**



**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC  
**PREPARED BY:** E3M SOLUTIONS  
**PROJECT NO:** 20210604

**HASLETT VILLAGE**

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**CONCEPTUAL ELEVATIONS  
BUILDING – A1**

*NOTE\*\*  
PROPOSED SIGNS TO ADHERE ALL SIZE, TYPE, AND PLACEMENT STANDARDS AS OUTLINED IN THE CHARTER TOWNSHIP OF MERIDIAN ZONING ORDINANCE CHAPTER 86 ARTICLE VII (SIGNS AND ADVERTISING STRUCTURES) 86-687 NS, CS, CR, C-1, C-2, AND C-3 COMMERCIAL DISTRICTS.*



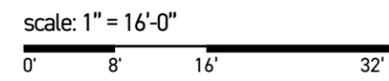
**NORTH ELEVATION**

STOREFRONT GLAZING SYSTEM    PLANTER    ARCHITECTURAL CMU TYPE - B    ARCHITECTURAL CMU TYPE - A    CAST-IN-PLACE CONCRETE PORCH



**WEST ELEVATION**

PLANTER    ARCHITECTURAL CMU TYPE - B    ARCHITECTURAL CMU TYPE - A    STOREFRONT GLAZING SYSTEM



**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

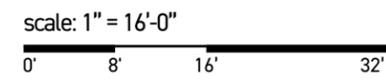
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**CONCEPTUAL ELEVATIONS  
BUILDING – A1**



**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: *SP Holding Company LLC*

PREPARED BY: *Integrated Architecture*

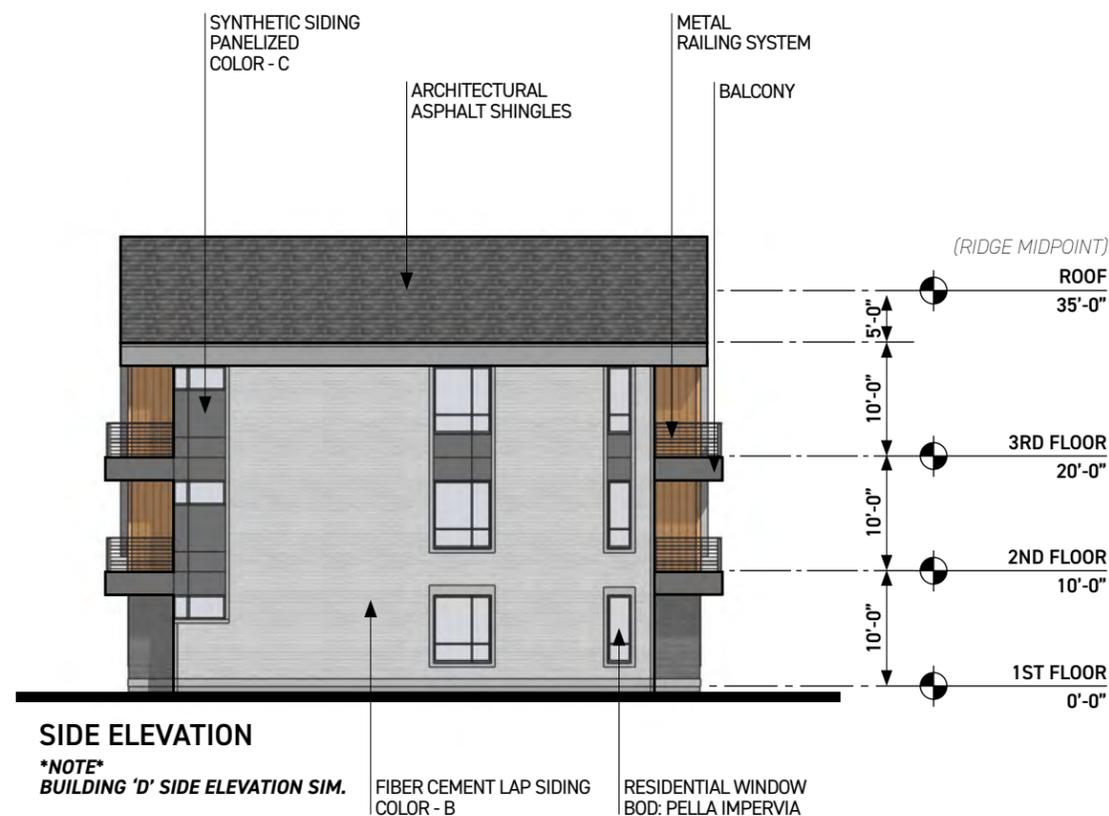
PROJECT NO: 20210604

**HASLETT VILLAGE**

**CONCEPTUAL ELEVATIONS**  
**BUILDING – B (TYPICAL)**



**FRONT ELEVATION**



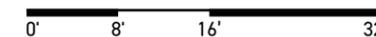
**SIDE ELEVATION**

*\*NOTE\**  
*BUILDING 'D' SIDE ELEVATION SIM.*



**BACK ELEVATION**

scale: 1" = 16'-0"



**MUPUD SUBMITTAL**

1621 Haslett Road  
Haslett, MI 48840

JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC

**PREPARED BY:** Integrated Architecture

**PROJECT NO:** 20210604

**HASLETT VILLAGE**

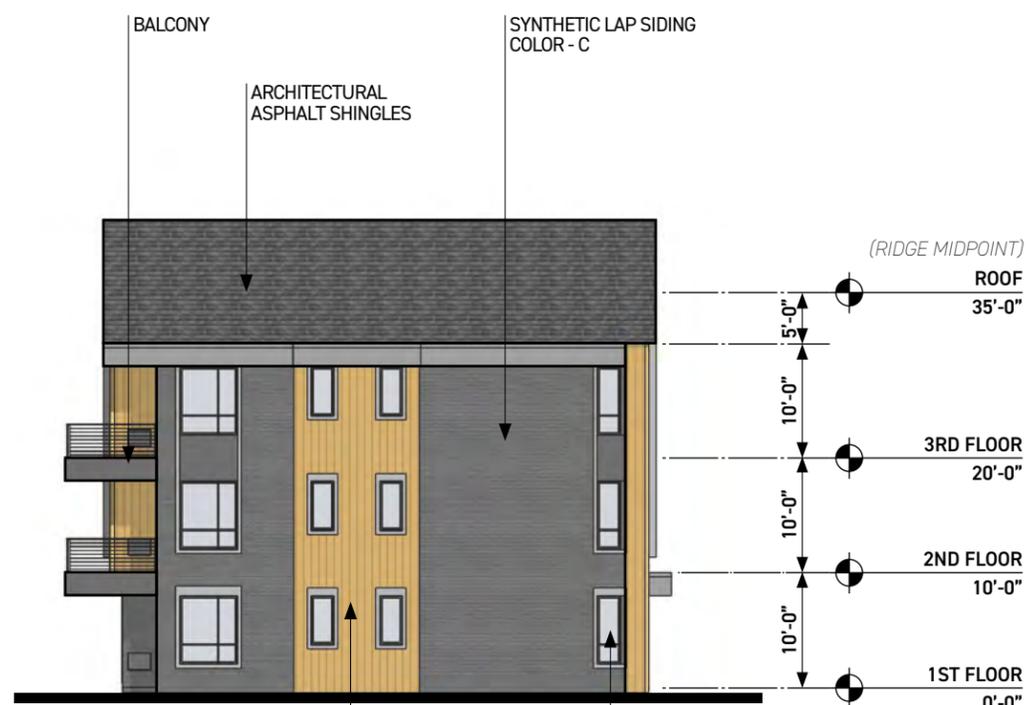
**CONCEPTUAL ELEVATIONS**  
BUILDING – C (TYPICAL)



**FRONT ELEVATION**

BUILDING ADDRESS SIGN  
8" TALL LETTERS (TYP)

MODULAR BRICK  
RUNNING BOND



**SIDE ELEVATION**

SYNTHETIC SIDING  
BOARD & BATTEN  
COLOR - D

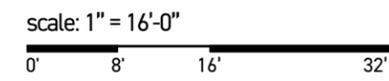
RESIDENTIAL WINDOW  
BOD: PELLA IMPERVIA



**BACK ELEVATION**

RESIDENTIAL WINDOW  
BOD: PELLA IMPERVIA

SYNTHETIC LAP SIDING  
COLOR - C



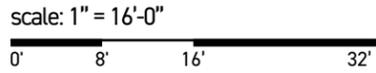
**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC  
**PREPARED BY:** Integrated Architecture  
**PROJECT NO:** 20210604

**HASLETT VILLAGE**

**CONCEPTUAL ELEVATIONS**  
**BUILDING – D (TYPICAL)**

*\*NOTE\**  
 SIDE ELEVATION SIM. TO BUILDING 'B'



**MUPUD SUBMITTAL**  
 1621 Haslett Road  
 Haslett, MI 48840  
 JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC  
**PREPARED BY:** Integrated Architecture

**PROJECT NO:** 20210604

**HASLETT VILLAGE**

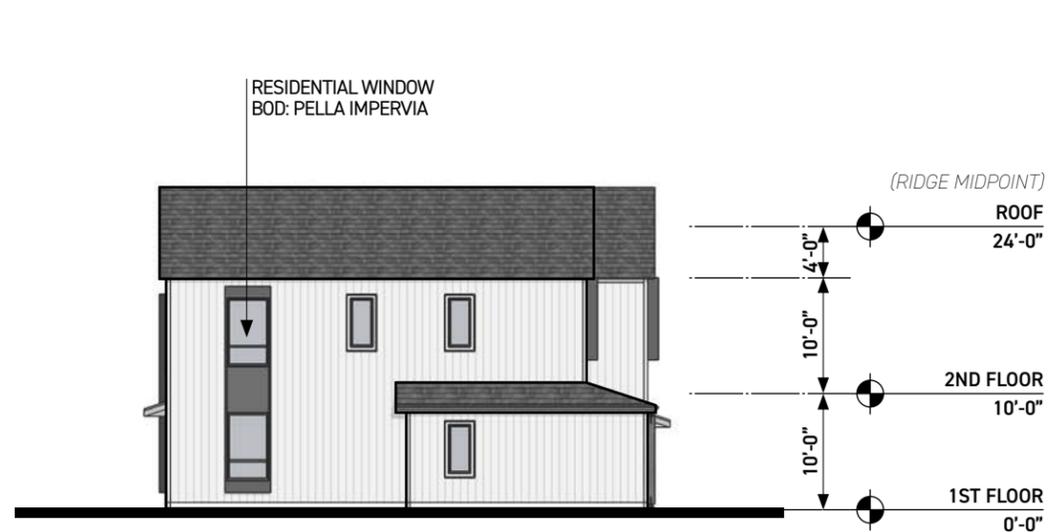
**CONCEPTUAL ELEVATIONS**  
**BUILDING – E (TYPICAL)**



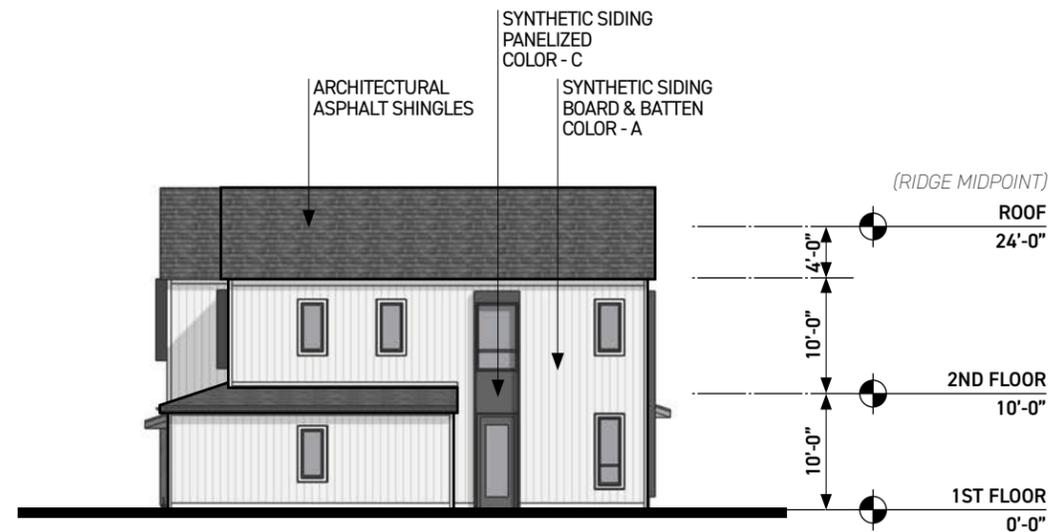
**FRONT ELEVATION**



**BACK ELEVATION**

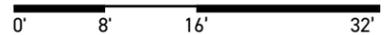


**SIDE ELEVATION**



**SIDE ELEVATION**

scale: 1" = 16'-0"



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1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

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**PROJECT NO:** 20210604

**HASLETT VILLAGE**

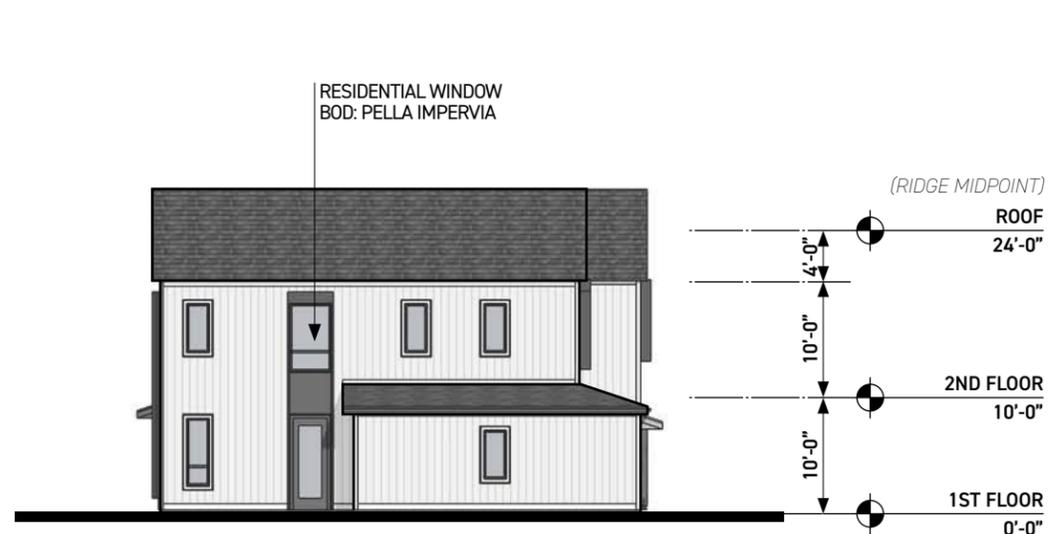
**CONCEPTUAL ELEVATIONS**  
BUILDING – F (TYPICAL)



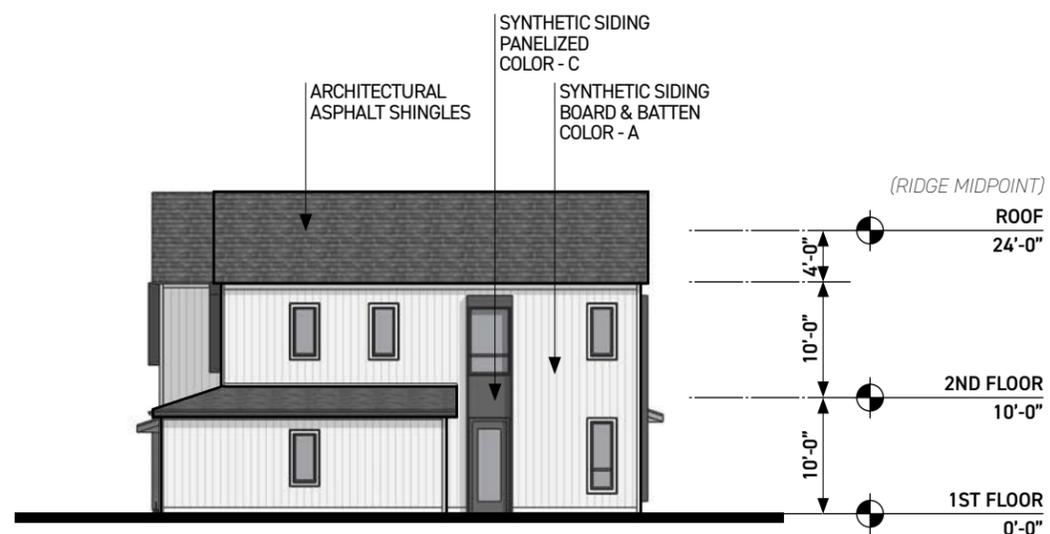
**FRONT ELEVATION**



**BACK ELEVATION**

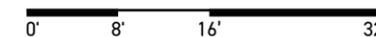


**SIDE ELEVATION**



**SIDE ELEVATION**

scale: 1" = 16'-0"



**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: SP Holding Company LLC

PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**

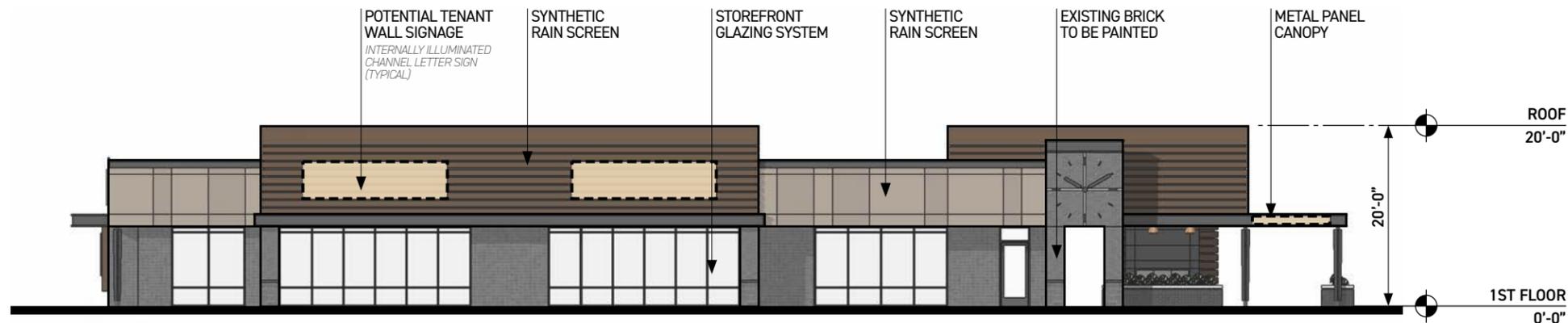
**CONCEPTUAL ELEVATIONS  
BUILDING – G**

NOTE\*  
FINAL DESIGN TBD

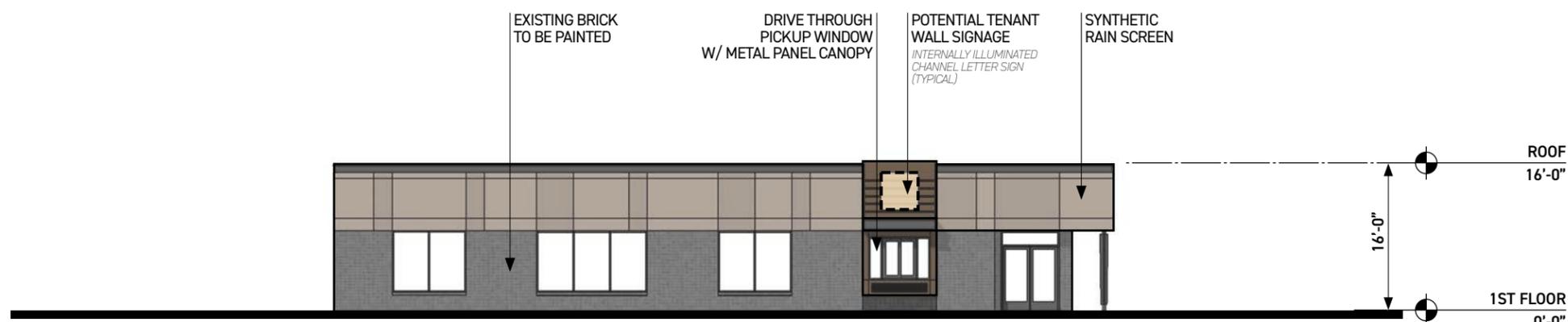
NOTE\*\*  
PROPOSED SIGNS TO ADHERE ALL SIZE, TYPE, AND PLACEMENT STANDARDS AS OUTLINED IN THE CHARTER TOWNSHIP OF MERIDIAN ZONING ORDINANCE CHAPTER 86 ARTICLE VII (SIGNS AND ADVERTISING STRUCTURES) 86-687 NS, CS, CR, C-1, C-2, AND C-3 COMMERCIAL DISTRICTS.



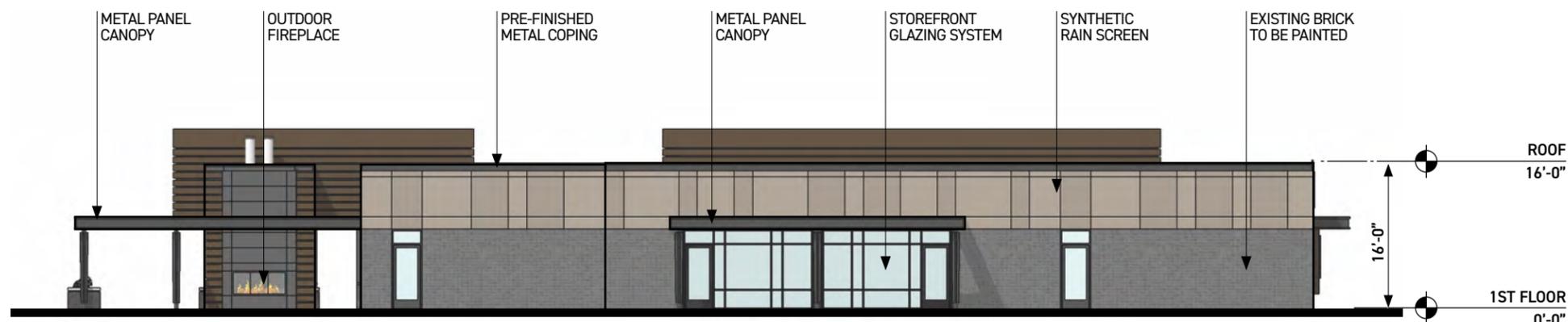
NOTE\*\*\*  
PROPOSED DESIGN TO ADHERE TO ALL DESIGN STANDARDS OUTLINED IN THE CHARTER TOWNSHIP OF MERIDIAN ZONING ORDINANCE CHAPTER 86 ARTICLE IV (DISTRICT REGULATIONS) 86-404 C-2 COMMERCIAL DISTRICT.



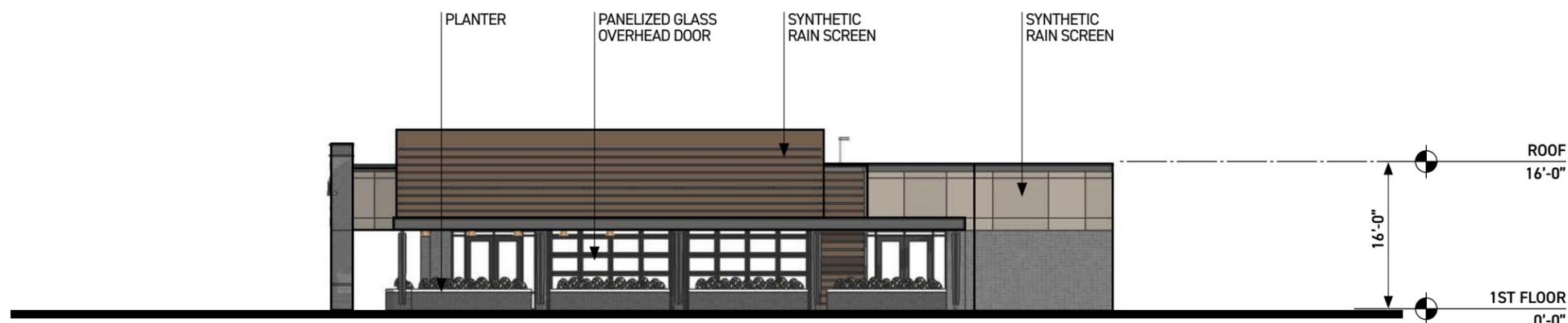
**NORTH ELEVATION**



**EAST ELEVATION**

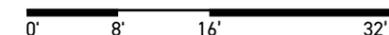


**SOUTH ELEVATION**



**WEST ELEVATION**

scale: 1" = 16'-0"



**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: SP Holding Company LLC

PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**

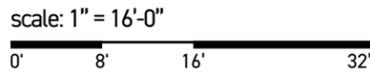
**CONCEPTUAL ELEVATIONS  
BUILDING – H**

NOTE\*  
FINAL DESIGN TBD

NOTE\*\*  
PROPOSED SIGNS TO ADHERE ALL SIZE, TYPE, AND PLACEMENT STANDARDS AS OUTLINED IN THE CHARTER TOWNSHIP OF MERIDIAN ZONING ORDINANCE CHAPTER 86 ARTICLE VII (SIGNS AND ADVERTISING STRUCTURES) 86-687 NS, CS, CR, C-1, C-2, AND C-3 COMMERCIAL DISTRICTS.



NOTE\*\*\*  
PROPOSED DESIGN TO ADHERE TO ALL DESIGN STANDARDS OUTLINED IN THE CHARTER TOWNSHIP OF MERIDIAN ZONING ORDINANCE CHAPTER 86 ARTICLE IV (DISTRICT REGULATIONS) 86-404 C-2 COMMERCIAL DISTRICT.

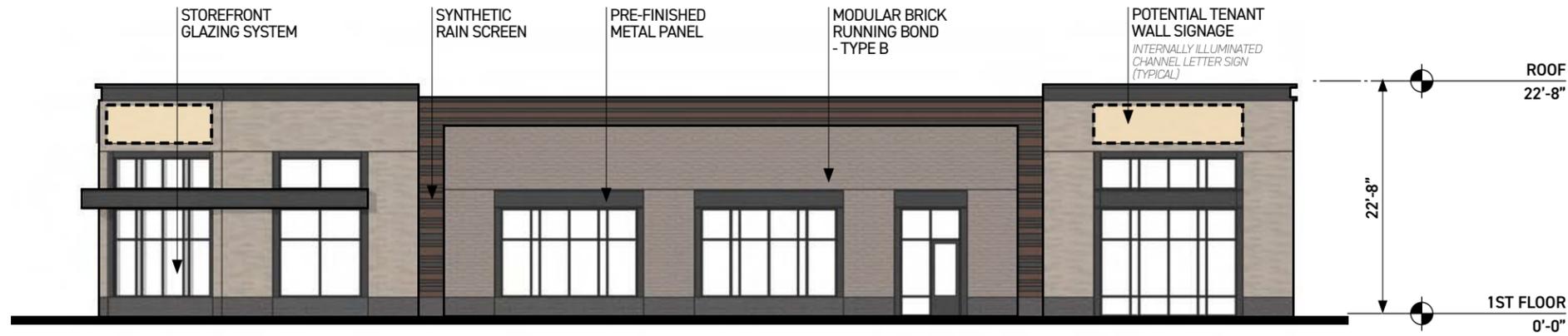


**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: SP Holding Company LLC  
PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

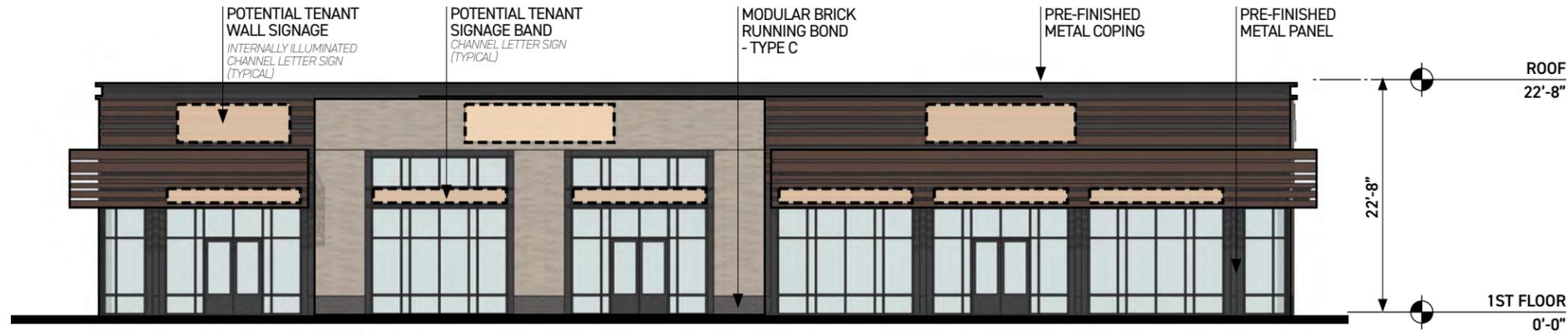
**HASLETT VILLAGE**



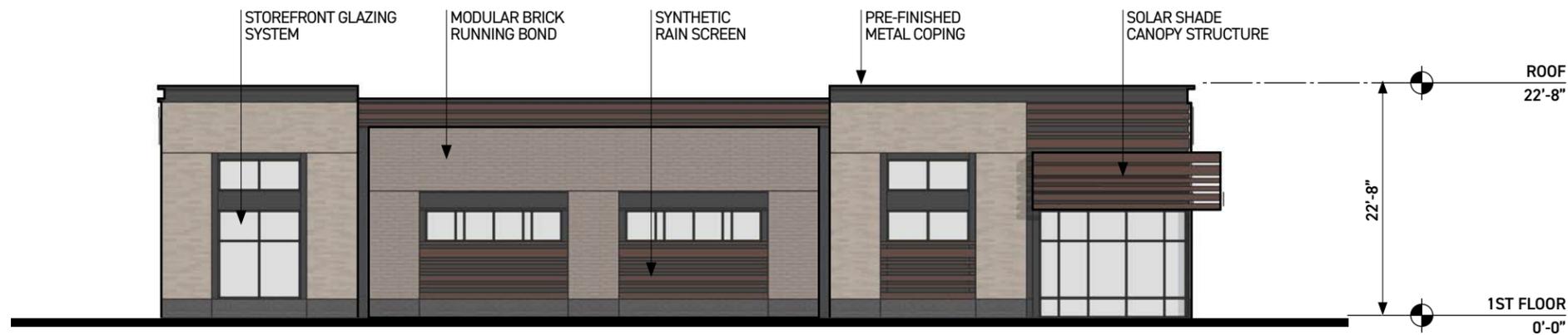
**NORTH ELEVATION**



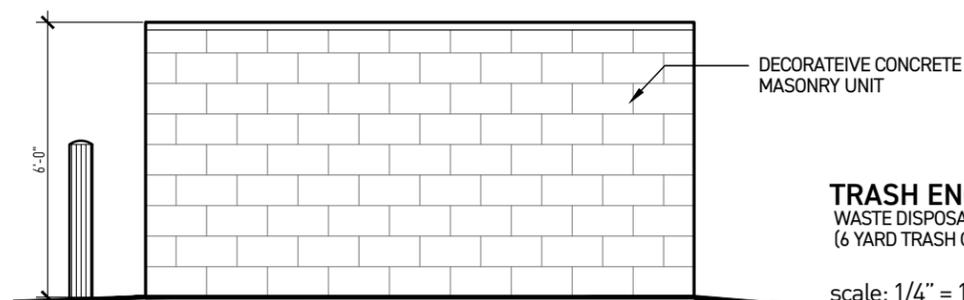
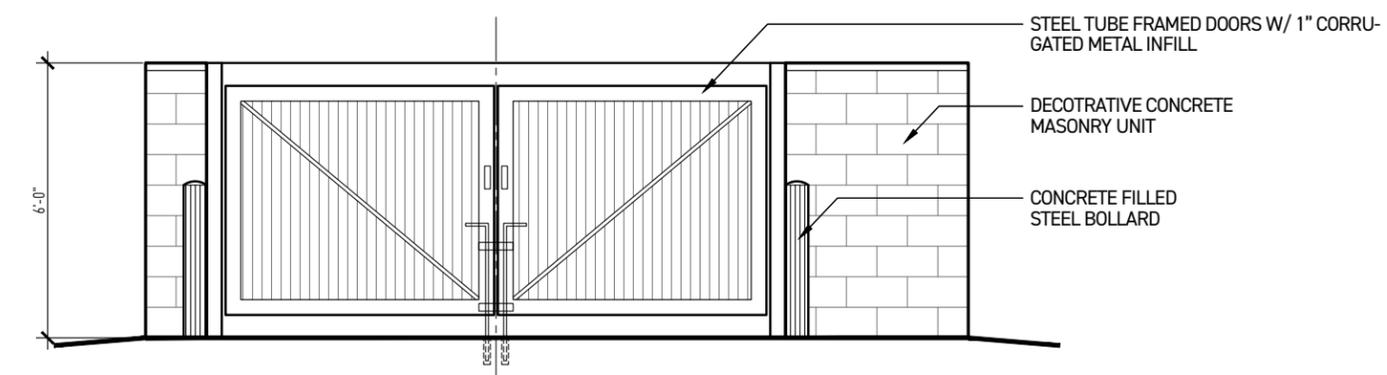
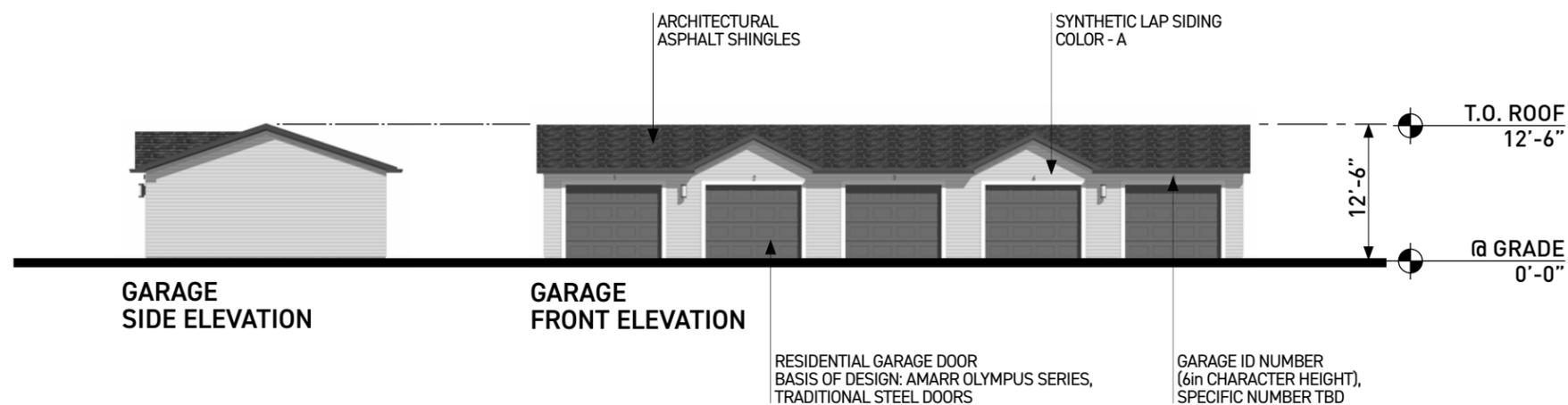
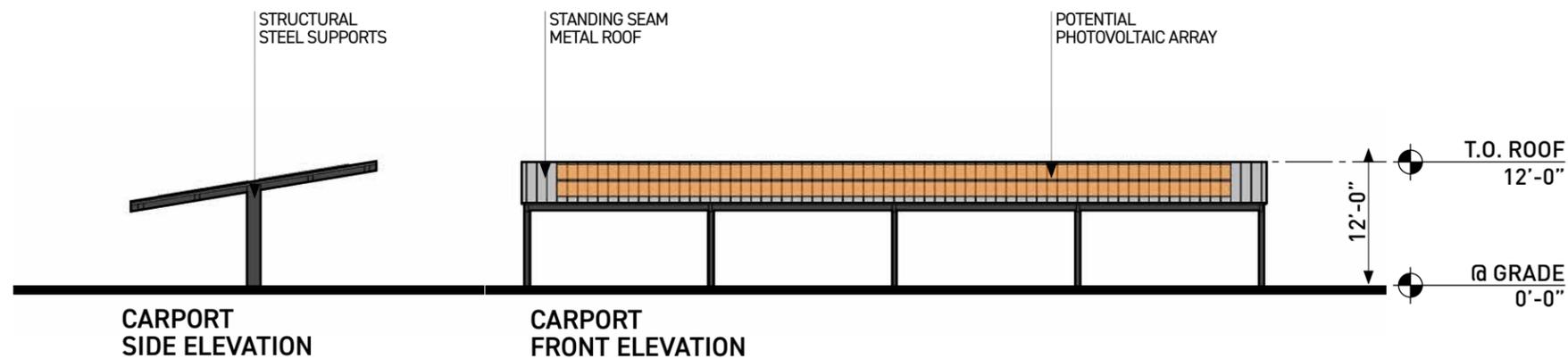
**EAST ELEVATION**



**SOUTH ELEVATION**



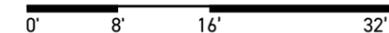
**WEST ELEVATION**



**TRASH ENCLOSURE ELEVATIONS**  
WASTE DISPOSAL SYSTEM  
(6 YARD TRASH CONTAINERS AND SMALLER BINS)

scale: 1/4" = 1'-0"

scale: 1" = 16'-0"



**MUPUD SUBMITTAL**

1621 Haslett Road  
Haslett, MI 48840

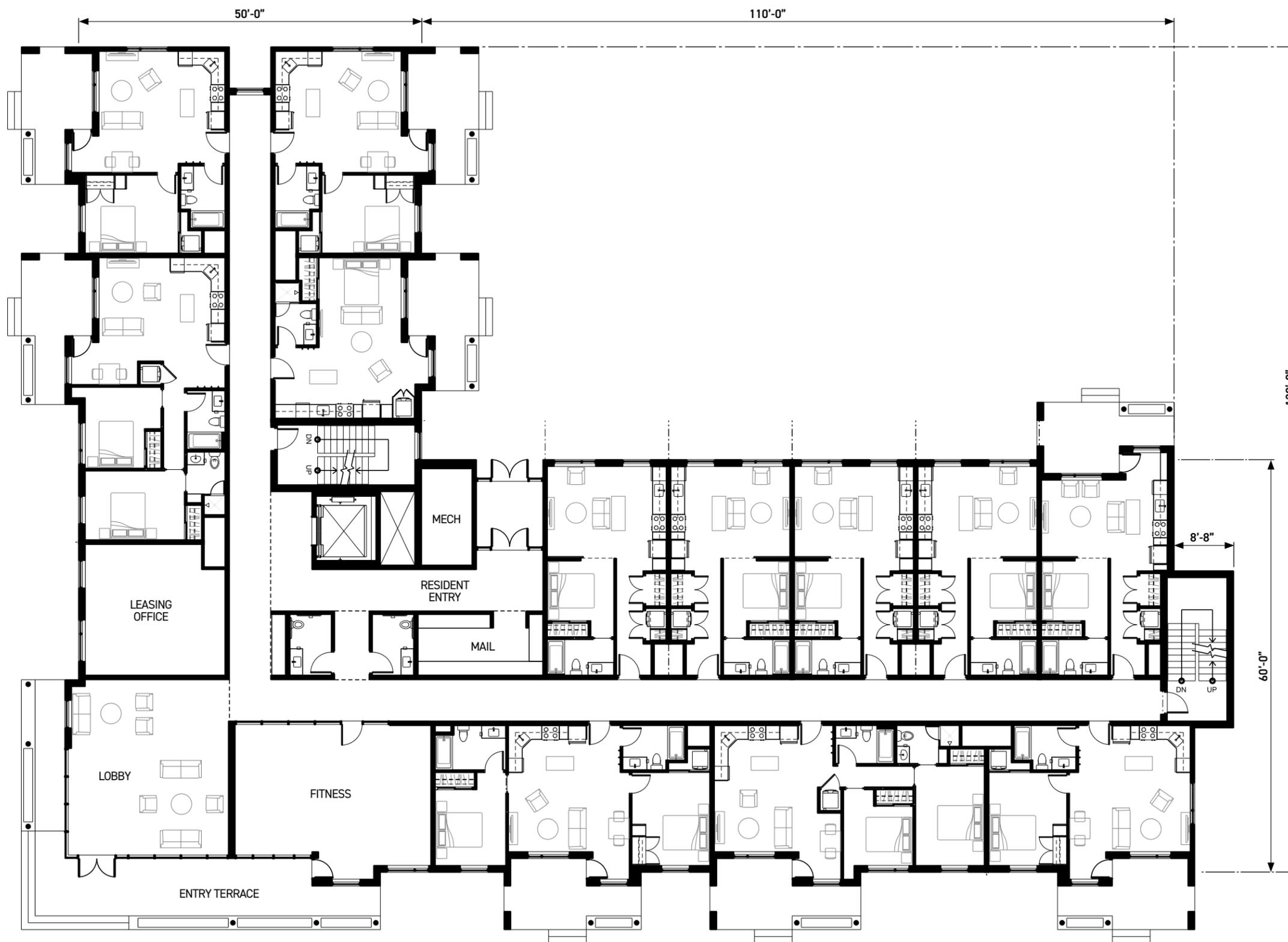
JUNE 21, 2022

APPLICANT: SP Holding Company LLC

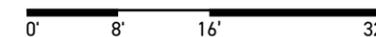
PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**



scale: 1" = 16'-0"



MUPUD SUBMITTAL

1621 Haslett Road  
Haslett, MI 48840

JUNE 21, 2022

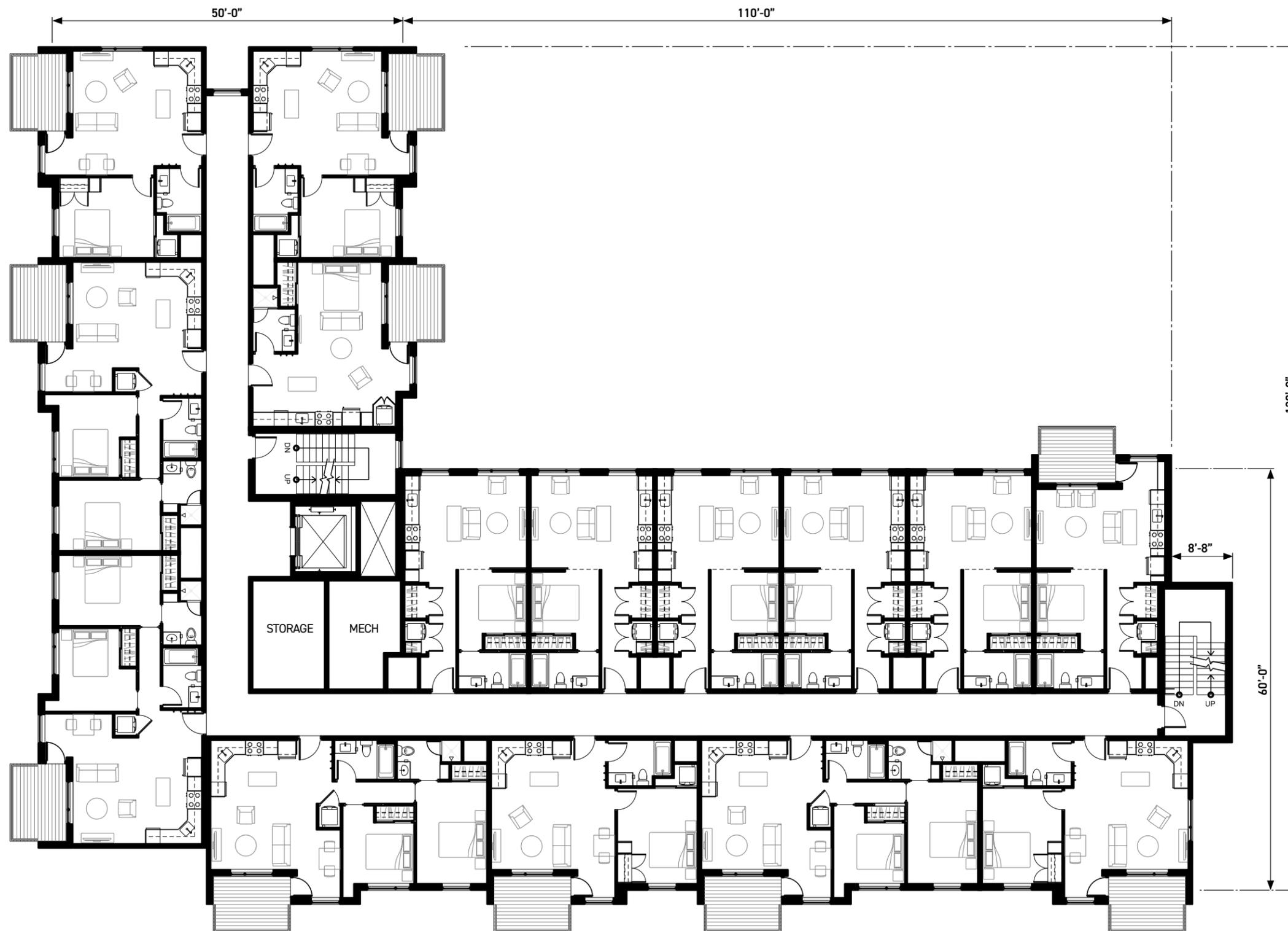
**BUILDING – A (LEVEL 1)**  
57 UNITS

APPLICANT: SP Holding Company LLC

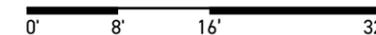
PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**



scale: 1" = 16'-0"



MUPUD SUBMITTAL

1621 Haslett Road  
Haslett, MI 48840

JUNE 21, 2022

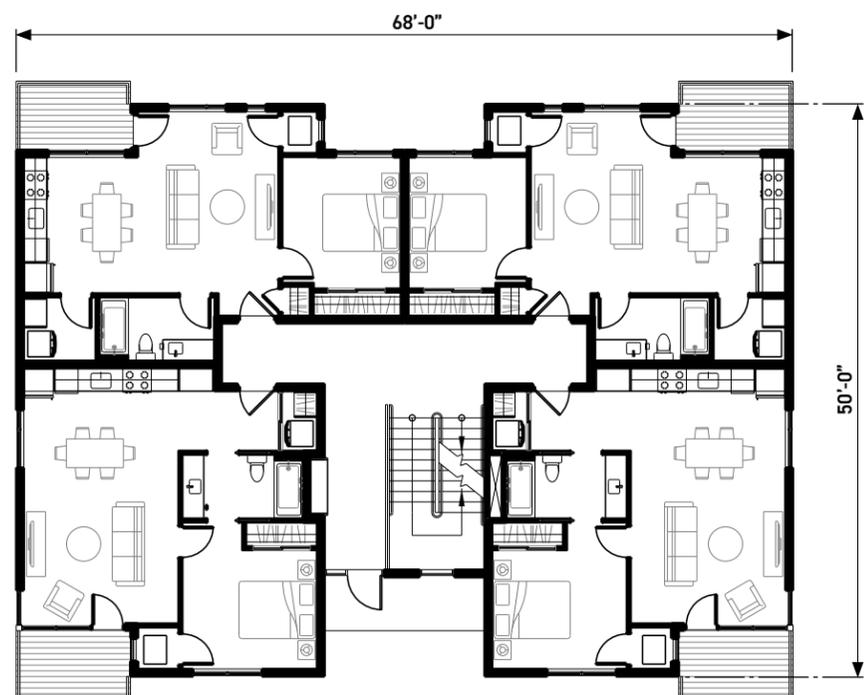
APPLICANT: SP Holding Company LLC

PREPARED BY: Integrated Architecture

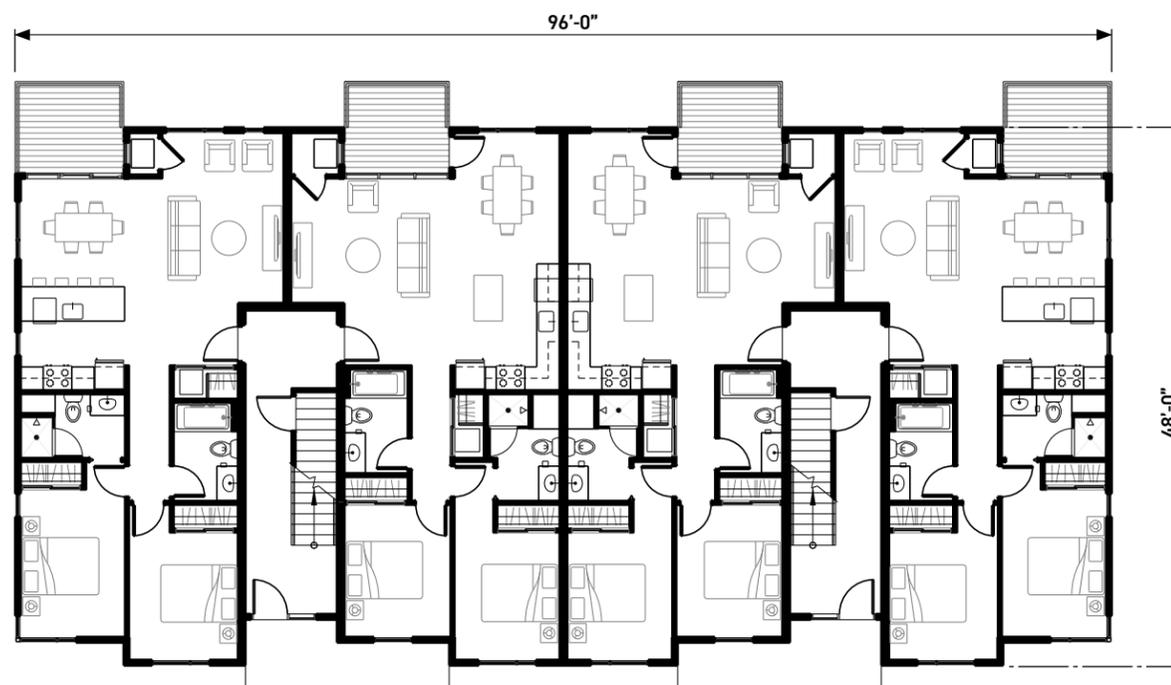
PROJECT NO: 20210604

**HASLETT VILLAGE**

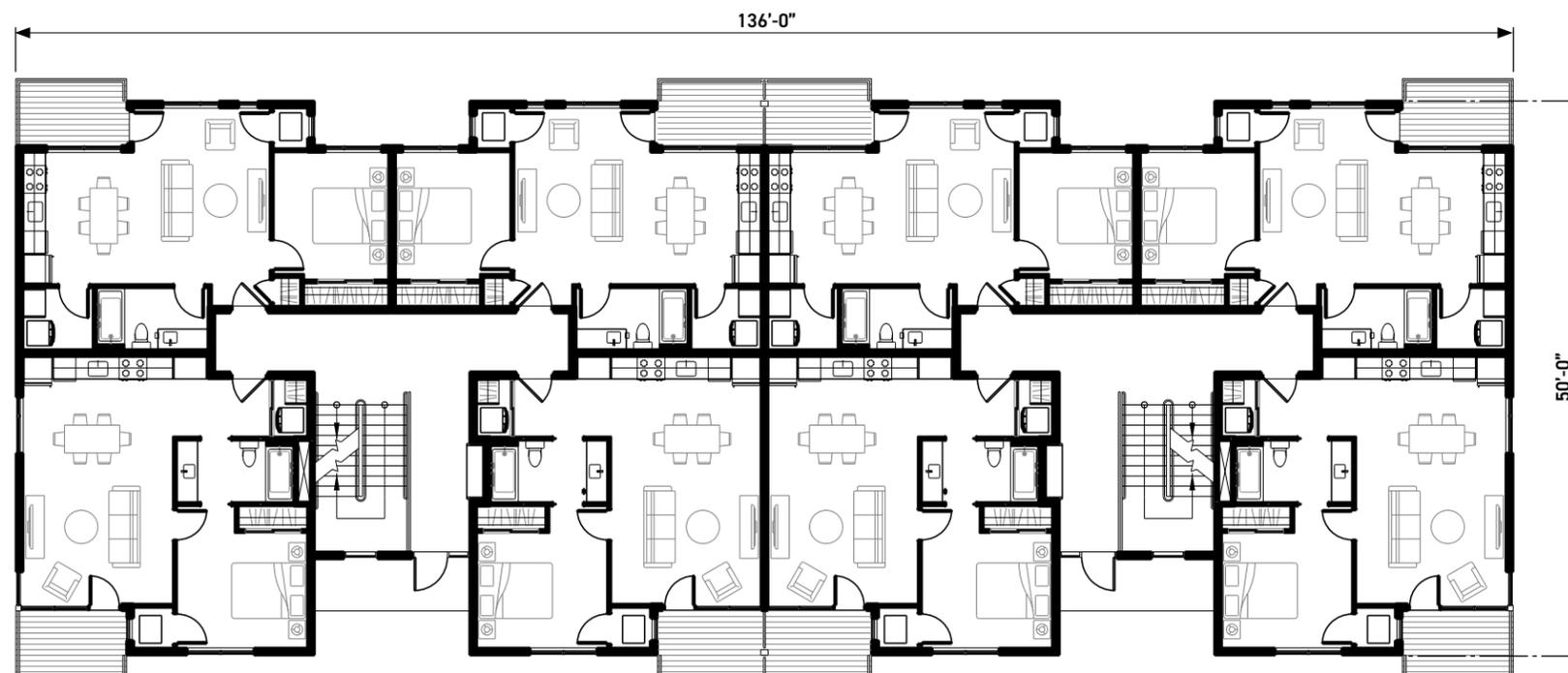
**BUILDING – A (LEVEL 2/3/4)**  
57 UNITS



**BUILDING – B** (ALL LEVELS SIM)  
12 UNITS

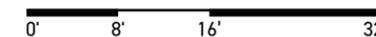


**BUILDING – C** (ALL LEVELS SIM)  
12 UNITS



**BUILDING – D** (ALL LEVELS SIM)  
24 UNITS

scale: 1" = 16'-0"



MUPUD SUBMITTAL  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

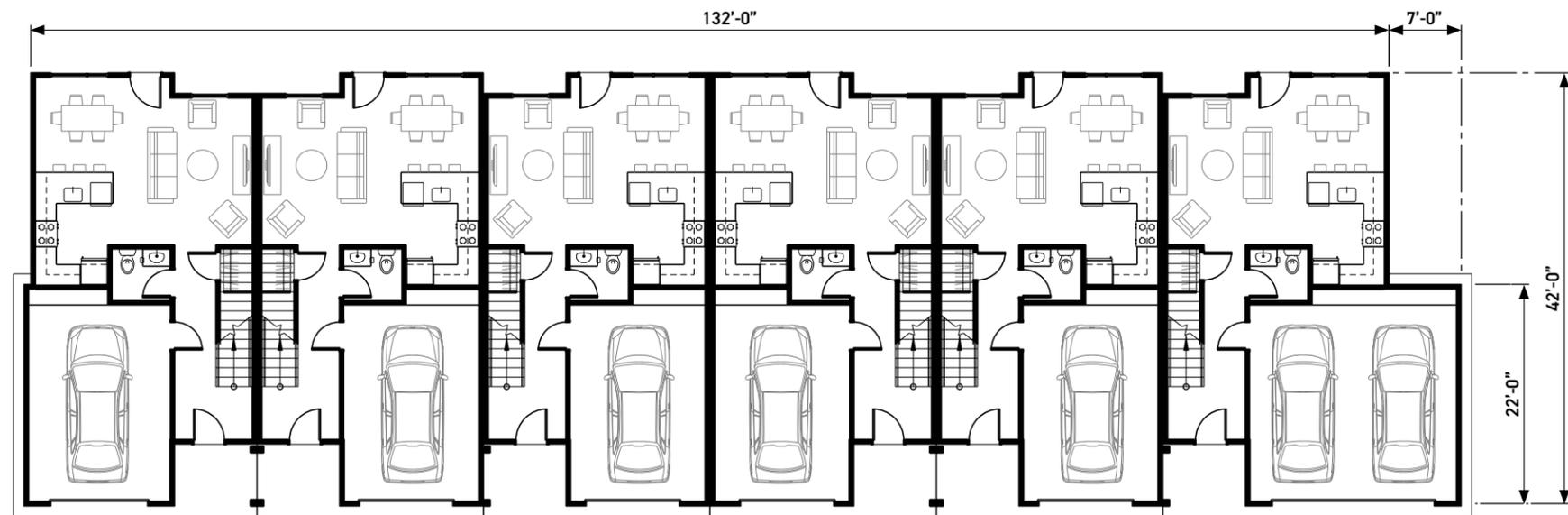
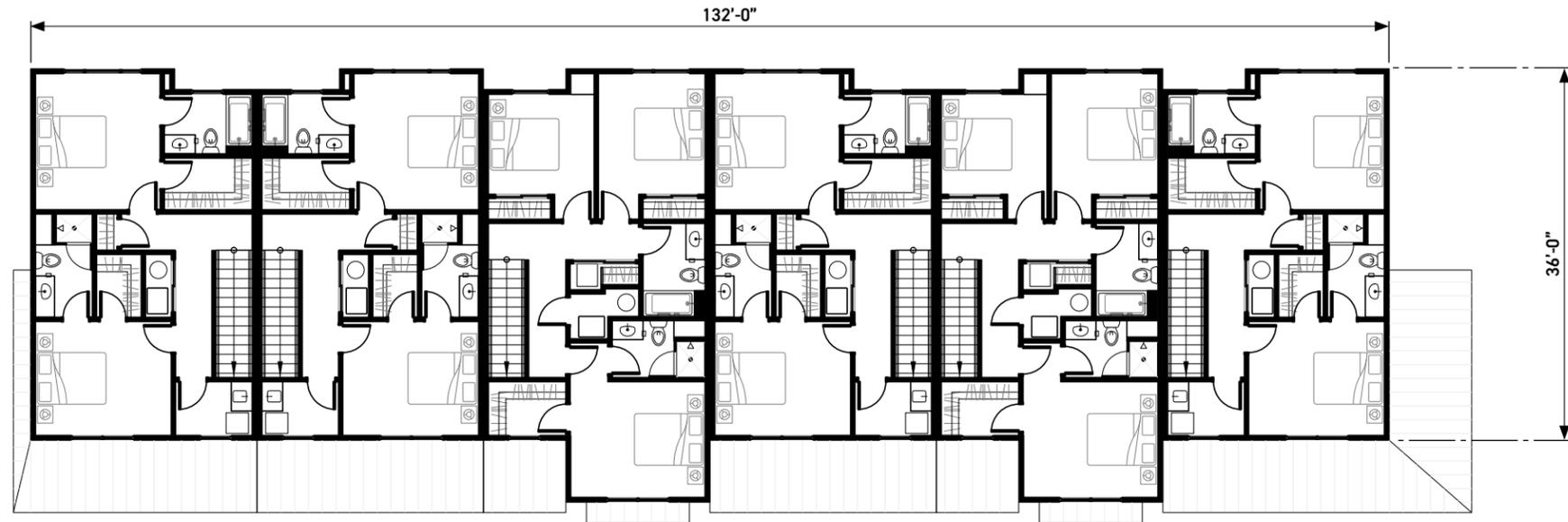
APPLICANT: SP Holding Company LLC

PREPARED BY: Integrated Architecture

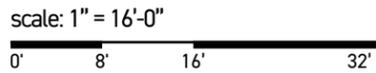
PROJECT NO: 20210604

**HASLETT VILLAGE**

**CONCEPTUAL FLOOR PLANS**



**BUILDING – E**  
 6 UNITS

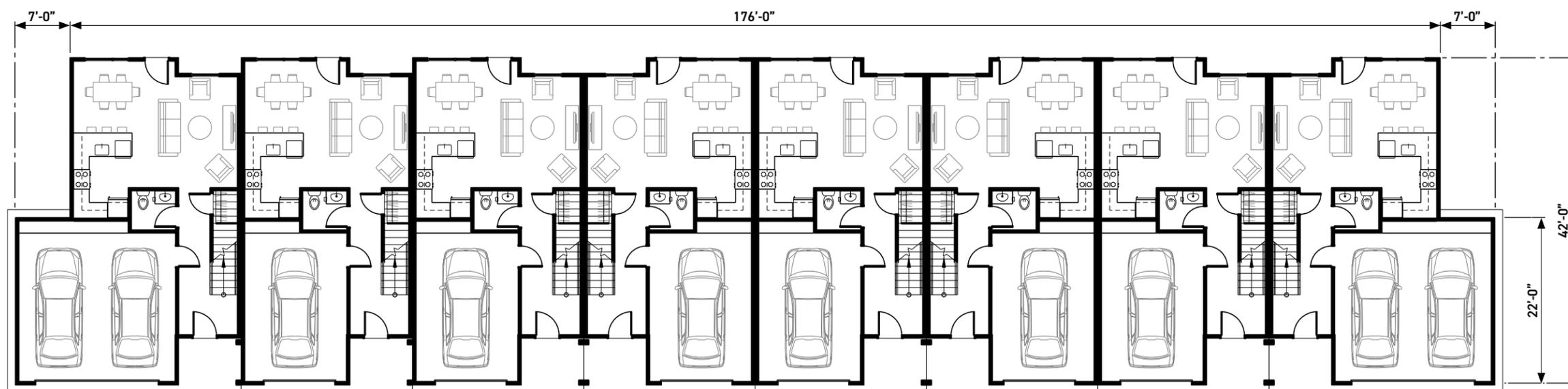
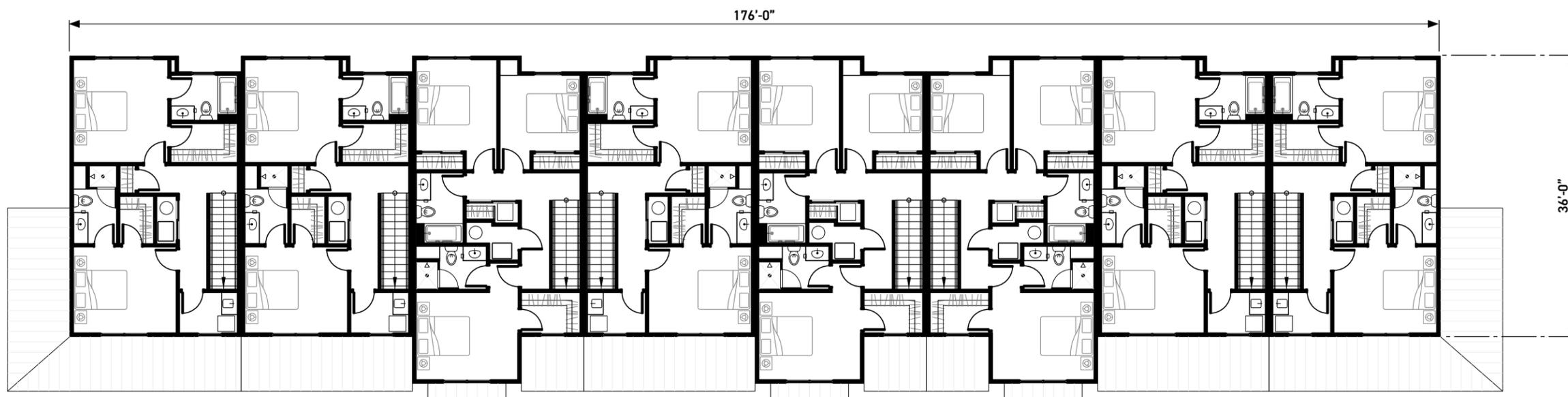


MUPUD SUBMITTAL  
 1621 Haslett Road  
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 JUNE 21, 2022

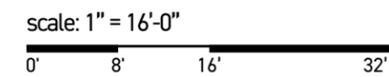
APPLICANT: SP Holding Company LLC  
 PREPARED BY: Integrated Architecture  
 PROJECT NO: 20210604

**HASLETT VILLAGE**

CONCEPTUAL FLOOR PLANS



**BUILDING – F**  
8 UNITS



MUPUD SUBMITTAL  
1621 Haslett Road  
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JUNE 21, 2022

APPLICANT: SP Holding Company LLC

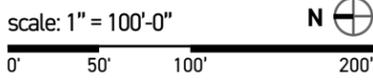
PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**

**SITE SIGNAGE PLAN**

**\*\*NOTE\*\***  
PROPOSED SIGNS TO ADHERE ALL SIZE, TYPE, AND PLACEMENT STANDARDS AS OUTLINED IN THE CHARTER TOWNSHIP OF MERIDIAN ZONING ORDINANCE CHAPTER 86 ARTICLE VII (SIGNS AND ADVERTISING STRUCTURES) 86-687 NS, CS, GR, C-1, C-2, AND C-3 COMMERCIAL DISTRICTS.



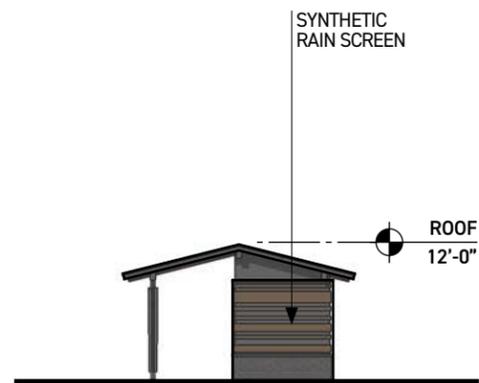
**MUPUD SUBMITTAL**  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

**APPLICANT:** SP Holding Company LLC  
**PREPARED BY:** Integrated Architecture

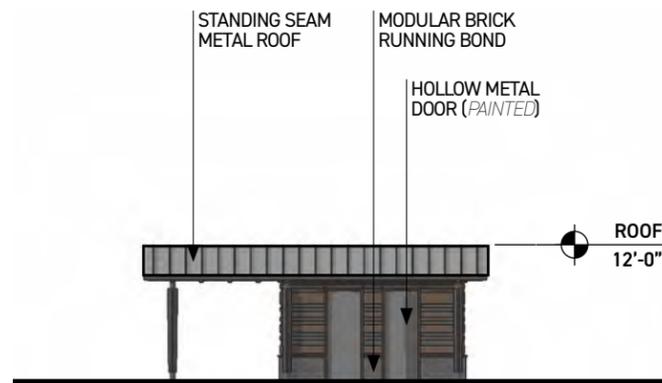
**PROJECT NO:** 20210604

**HASLETT VILLAGE**

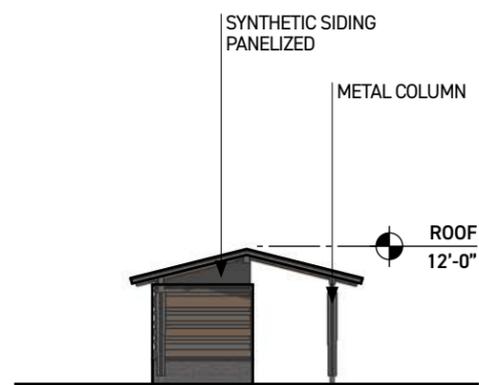
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**NORTH ELEVATION**

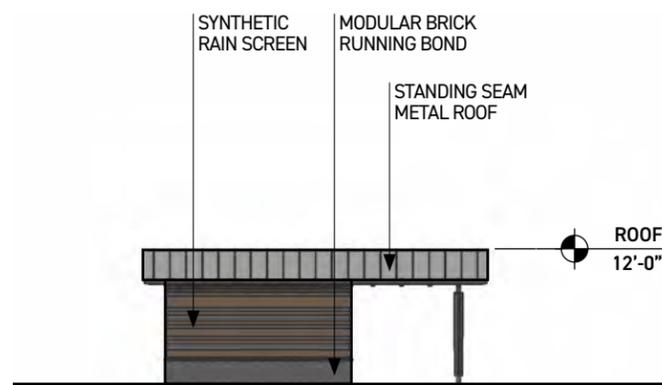
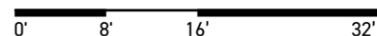


**EAST ELEVATION**

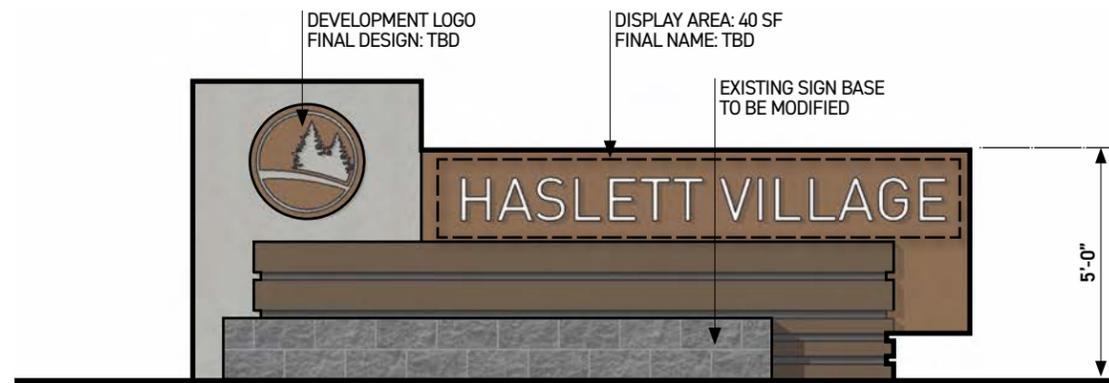


**SOUTH ELEVATION**

**TRAIL HEAD BUILDING**  
scale: 1/16" = 1'-0"



**WEST ELEVATION**

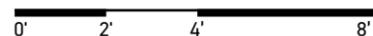


**MAIN SIGN (HASLETT ROAD ENTRANCE)**

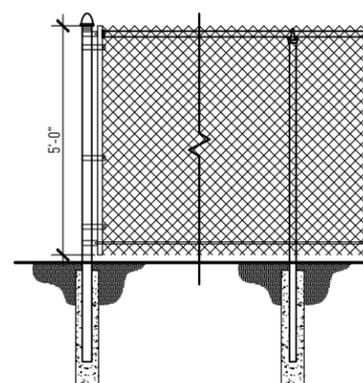


**SECONDARY SIGN (MARSH ROAD ENTRANCE)**

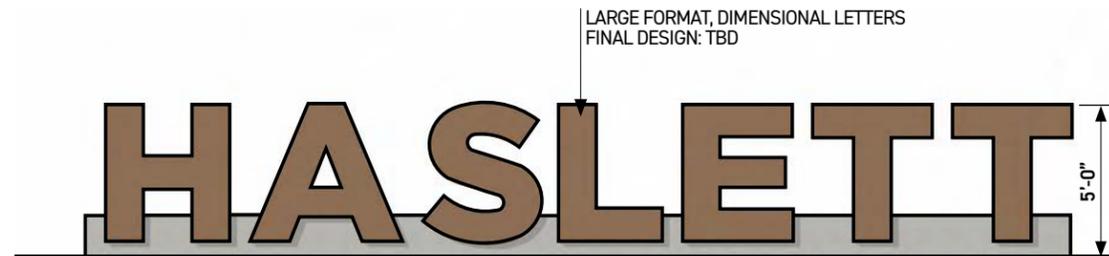
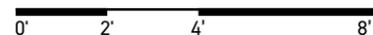
**MONUMENT SIGNS**  
scale: 1/4" = 1'-0"



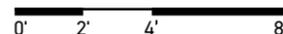
**DOG PARK FENCE**  
REFERENCES



**DOG PARK FENCE DETAIL**  
scale: 1/4" = 1'-0"



**COMMUNITY ART SIGN**  
scale: 3/16" = 1'-0"



MUPUD SUBMITTAL  
1621 Haslett Road  
Haslett, MI 48840  
JUNE 21, 2022

APPLICANT: SP Holding Company LLC

PREPARED BY: Integrated Architecture

PROJECT NO: 20210604

**HASLETT VILLAGE**

**PROJECT MATERIALS LIST**

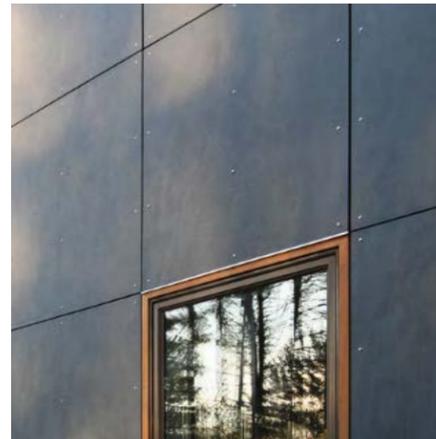
**SYNTHETIC SIDING**



**BOARD AND BATTEN SIDING**

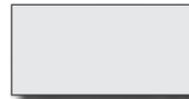


**LAP SIDING**

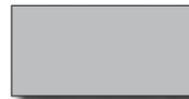


**PANELIZED SIDING**

**MATERIAL COLORS**



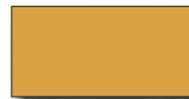
**COLOR - A**



**COLOR - B**



**COLOR - C**



**COLOR - D**

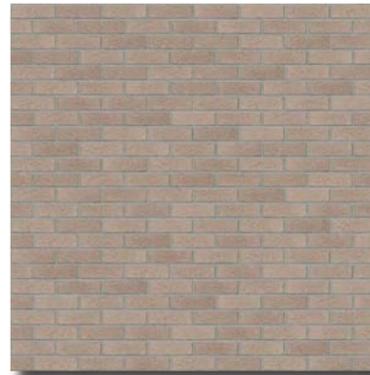


**COLOR - E**



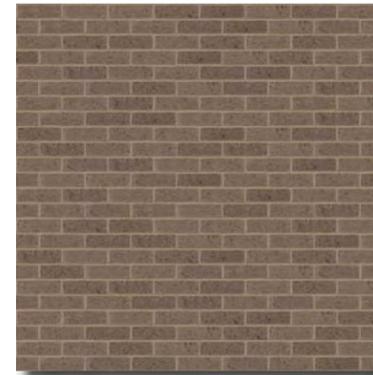
**COLOR - F**

**MODULAR BRICK**



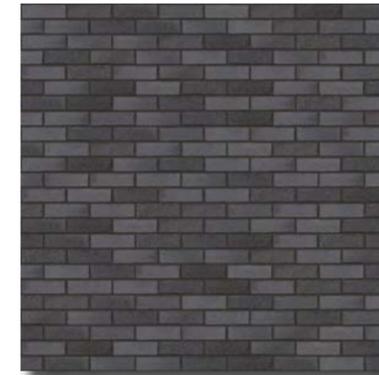
**BRICK TYPE A**

*B.O.D. Belden Brick Modular 661 Velour*



**BRICK TYPE B**

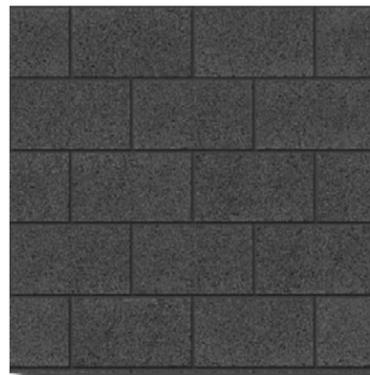
*B.O.D. Belden Brick Modular 8621 Velour*



**BRICK TYPE C**

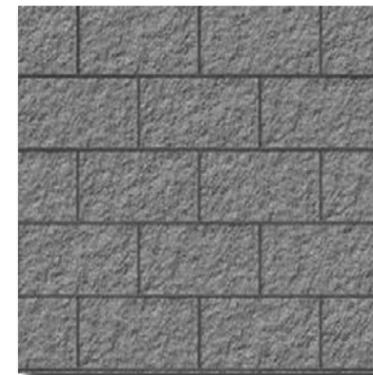
*B.O.D. Belden Brick Modular Black Diamond Velour*

**ARCHITECTURAL CMU**



**ARCHITECTURAL CMU - TYPE A**

*B.O.D. Consumer's Concrete Ground Face Obsidian*



**ARCHITECTURAL CMU - TYPE B**

*B.O.D. Consumer's Concrete Split Face Hyera*

**CONCRETE**



**CONCRETE**

**METAL PANEL**



**ARCHITECTURAL CMU - TYPE A**

*B.O.D. Alpolic Composite Metal Panel*



**CORTEN STEEL**

**MISCELANEOUS**



**SYNTHETIC RAIN SCREEN**

**MUPUD SUBMITTAL**

1621 Haslett Road  
Haslett, MI 48840

JUNE 21, 2022

**APPLICANT:** *SP Holding Company LLC*

**PREPARED BY:** *Integrated Architecture*

**PROJECT NO:** 20210604

**HASLETT VILLAGE**

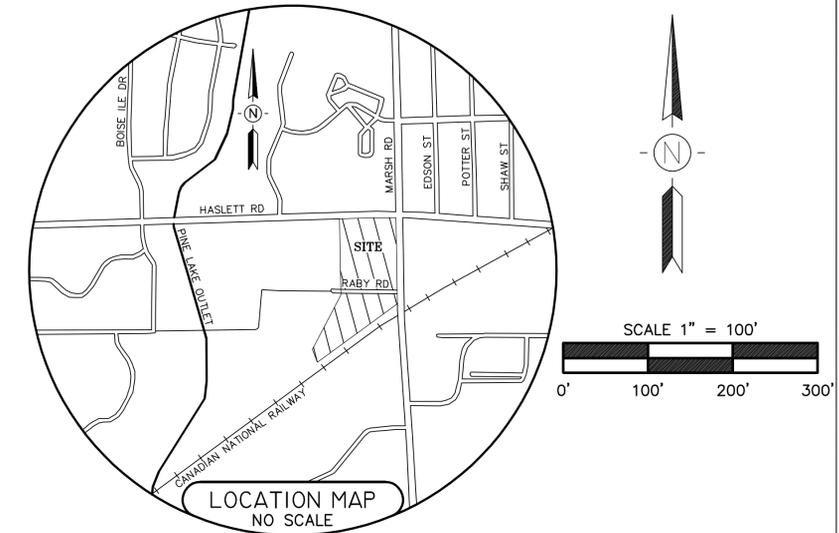
**APPLICANT:**  
LAKE GROUP DRIVE, LLC  
148 S. RIVER AVE., SUITE 100  
HOLLAND, MI 49423  
PH: (616) 667-3333

**ENGINEER/SURVEYOR:**  
KEBS, Inc.  
2116 HASLETT RD.  
HASLETT, MI 48840  
PH: (517) 339-1014

**ARCHITECT:**  
INTEGRATED ARCHITECTURE  
840 OTTAWA AVE. NW  
GRAND RAPIDS, MI 49503  
PH: (616) 559-4724

# HASLETT VILLAGE

MERIDIAN TOWNSHIP, INGHAM COUNTY, MICHIGAN



**SITE DATA**  
PROPOSED M.U.P.U.D.  
TOTAL SITE AREA = 829,215 SF = 19.04 ACRES  
EXISTING ZONING: C-2 (GENERAL COMMERCIAL)  
ADJACENT ZONING: SEE PLAN

**BUILDING SETBACKS**  
FRONT - 100' FROM C/L HASLETT/MARSH RD.  
SIDES - 15'  
REAR - 15' (100' FROM SOUTH LINE-RA ZONING)  
HEIGHT - 45' MAX. = 45' PROPOSED - OK

**BUILDING/UNIT DATA**

APARTMENTS (A) = 48,000 G.S.F. = 58 UNITS  
4 (STUDIO), 39 (1-BED), 15 (2-BEDROOM)

STACKED FLATS (B) = 9,020 G.S.F. EACH (2 BLDGS)  
12 X 2 = 24 UNITS (ALL 1 BEDROOM)

STACKED FLATS (C) = 12,100 G.S.F. EACH (6 BLDGS)  
12 X 6 = 72 UNITS (ALL 2 BEDROOM)

STACKED FLATS (D) = 10,370 G.S.F. EACH (3 BLDGS)  
12 X 3 = 36 UNITS = 9 (1-BEDS), 18 (2-BEDS),  
9 (3-BEDS)

STACKED FLATS (E) = 18,660 G.S.F. EACH (3 BLDGS.)  
24 X 3 = 72 UNITS = 72 (1-BEDS)

TOWNHOUSE (F) = 10,800 G.S.F. EACH (2 BLDGS.)  
6 X 2 = 12 UNITS = 8 (2-BEDS), 4 (3-BEDS)

TOWNHOUSE (G) = 14,600 G.S.F. EACH (2 BLDGS.)  
8 X 2 = 16 UNITS = 12 (2-BEDS), 4 (3-BEDS)

TOTAL UNITS = 290  
TOTAL G.S.F. = 274,800 G.S.F.

COMMERCIAL (G) = 7,750 G.S.F.

RETAIL (H) = 14,000 G.S.F.

**PARKING**

RESIDENTIAL (1-BED UNITS/STUDIO) = 148 UNITS @  
REQUIRED 2 SPACES/UNIT PLUS EXPANSION  
CAPACITY OF 25% = 370 SPACES

RESIDENTIAL (2+ BED UNITS) = 142 UNITS @ REQUIRED  
2 SPACES/UNIT PLUS EXPANSION CAPACITY OF 25%  
= 355 SPACES

COMMERCIAL/RETAIL = 21,750 SF @ 5 SPACE/1,000 SF  
= 109 SPACES

TOTAL SPACES = 370 + 355 + 109 = 834 SPACES  
TOTAL = 834 SPACES

PROVIDED: 10'X18' SPACES = 372  
8'X22' SPACES = 76

PROVIDED @ TOWNHOMES = 34 (OUTSIDE)  
TOTAL PROVIDED = 482 SPACES  
OVERALL = 834 - 482 = 352 SPACE WAIVER NEEDED

**BIKE PARKING**  
FOR BIKES, 1 BIKE PARKING IS REQUIRED FOR EACH 10  
REQUIRED SPACES. FOR 834 SPACES, BIKE PARKING  
REQUIRED IS 83. WITH GRANTED PARKING WAIVER THE  
BIKE PARKING REQUIRED WOULD BE 48. BIKE PARKING  
AREAS ARE SHOWN, RACKS WILL BE PROVIDED TO MEET  
REQUIREMENT

**AMENITIES** (SEE ARCHITECTURAL FOR MORE DETAIL)

- COMMUNITY FOCUSED BUNDLE (DOG PARK, TRAILHEAD,  
FOOD TRUCK COURT)
- ELECTRIC CAR CHARGING STATIONS
- PUBLIC OUTDOOR SEATING PLAZA
- PUBLIC RECREATION RESOURCE
- GREEN SPACE
- LOW-FLOW PLUMBING FIXTURES
- WIRELESS ACCESS POINTS
- DECORATIVE LIGHTING

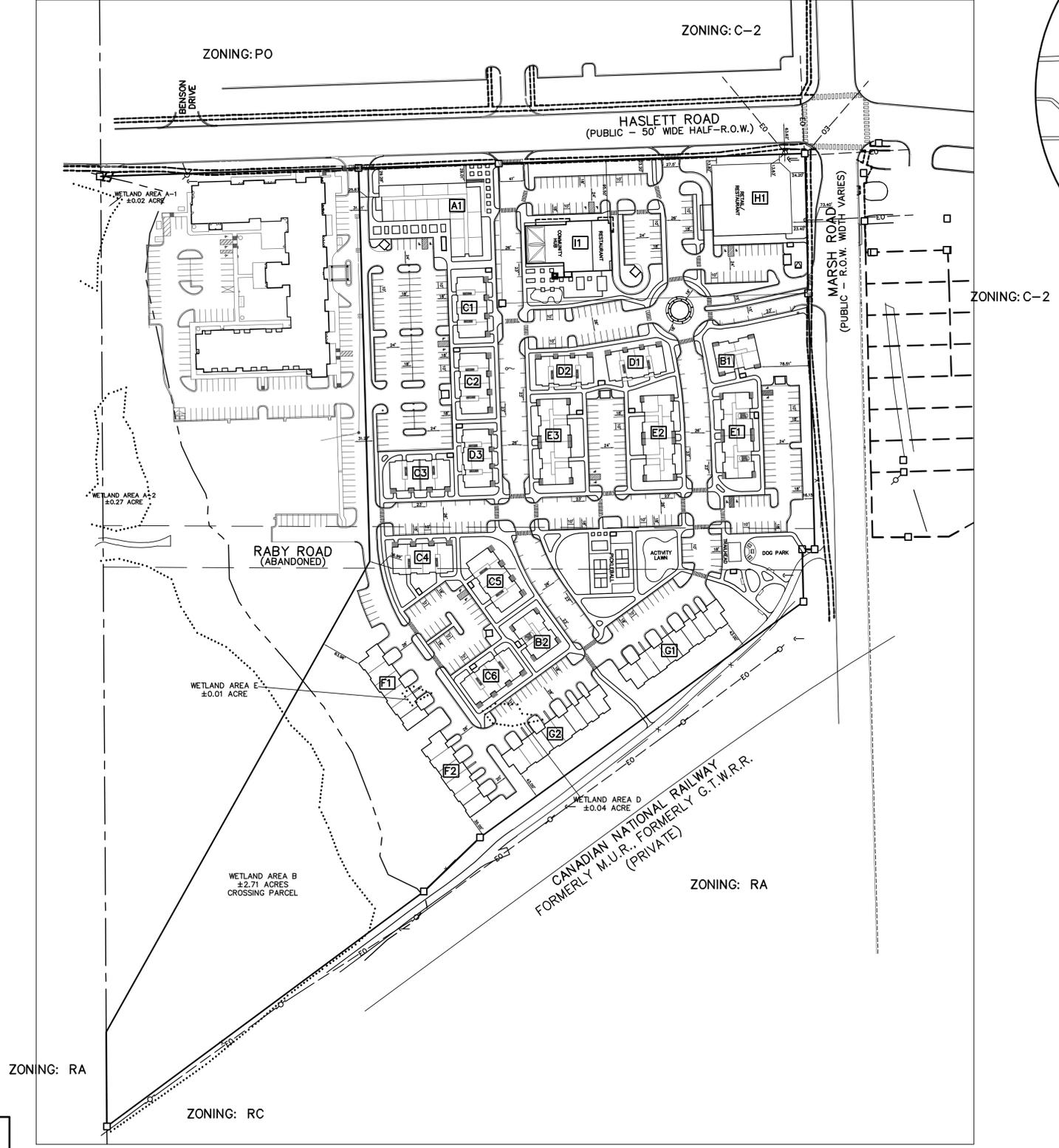
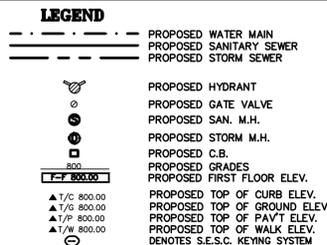
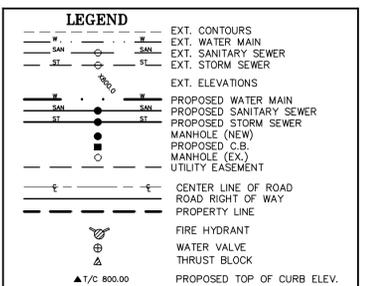
**OPEN SPACE**  
(SEE OPEN SPACE PLAN, PAGE 6)

**UTILITIES**

WATER:  
CITY PUBLIC WATER MAIN (TO BE EXTENDED)

SANITARY:  
CITY PUBLIC SANITARY (TO BE EXTENDED)

STORM:  
ON-SITE SEWER, WATER TREATMENT AND DETENTION



**BENCHMARKS:**

BENCHMARK #1 ELEV. = 862.07 (NAVD88)  
CHISELED "A" IN NORTH SIDE OF CONCRETE LIGHT POLE BASE, 170'± EAST AND 90'± NORTH OF  
NORTHWEST CORNER OF #1655 HASLETT ROAD.

BENCHMARK #4 ELEV. = 863.05 (NAVD88)  
SOUTHWEST FLANGE BOLT OF FIRE HYDRANT, UNDER THE "A" IN "TRAVERSE CITY", 18'± EAST  
AND 80'± NORTH OF NORTHEAST CORNER OF #1655 HASLETT ROAD.



**LEGAL DESCRIPTION:**  
(SEE PAGE 2, EXISTING CONDITIONS/SURVEY PLAN)

**ADDRESS, OWNER & TAX ID NUMBERS**

1621 AND 1655 HASLETT ROAD, HASLETT, MI 48840  
TAX ID#: 33-02-02-10-401-005 AND  
33-02-02-10-401-006 AND  
OWNER: LTG HASLETT, LLC

**SHEET INDEX**

- OVERALL SITE PLAN
- EXISTING CONDITIONS/SURVEY PLAN
- ENLARGED SITE AND DIMENSION PLAN
- UTILITY PLAN
- STORM & GRADING PLAN (NORTH)
- STORM & GRADING PLAN (SOUTH)
- OPEN SPACE PLAN

ATTACHMENTS:  
ARCHITECTURAL PLANS, INCLUDING  
AMENITIES PLAN

	<b>REVISIONS</b> 3-15-22 M.U.P.U.D. SUBMITTAL 4-29-22 M.U.P.U.D. REVISION	<b>KEBS, INC.</b> KYES ENGINEERING BRYAN LAND SURVEYS 2116 HASLETT ROAD, HASLETT, MI 48840 PH. 517-339-1014 FAX. 517-339-8047 Marshall Office Ph. 269-781-9800
	<b>HASLETT VILLAGE</b> OVERALL SITE PLAN	
SCALE: 1" = 100' DATE: 2-21-22 AUTHORIZED BY: LAKE DRIVE GROUP, LLC	DESIGNER: PROJECT MGR. GAP	APPROVED BY: GAP SHEET 1 OF 7 JOB #: E-99148

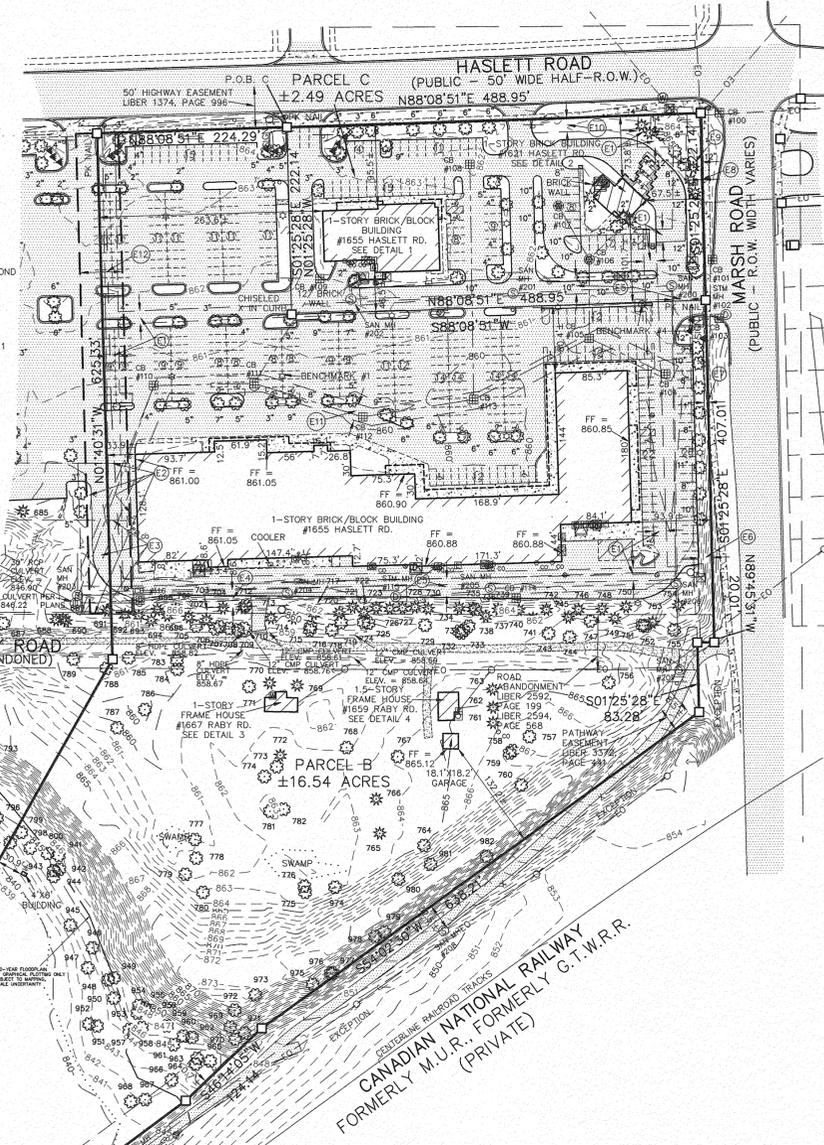
# EXISTING CONDITIONS/SURVEY PLAN

## "1621 & 1655 HASLETT ROAD, HASLETT, MI 48840"

**BENCHMARKS:**  
 BENCHMARK #1 ELEV. = 862.07 (NAVD88)  
 CHISELED "X" IN NORTH SIDE OF CONCRETE LIGHT POLE BASE, 170'± EAST AND 90'± NORTH OF WEST CORNER OF #1655 HASLETT ROAD.  
 BENCHMARK #4 ELEV. = 863.05 (NAVD88)  
 SOUTHWEST FLANGE BOLT OF FIRE HYDRANT, UNDER THE "A" IN "TRAVERSE CITY", 18'± EAST AND 80'± NORTH OF NORTHEAST CORNER OF #1655 HASLETT ROAD.

STORM SEWER INVENTORIES:	SANITARY SEWER INVENTORIES:
CATCH BASIN #100 RIM ELEV. = 860.14	SANITARY MANHOLE #200 RIM ELEV. = 861.50
CATCH BASIN #101 RIM ELEV. = 861.52	8" VCP S INV. = 854.18 8" VCP W INV. = 854.22
STORM MANHOLE #102 RIM ELEV. = 864.12	SANITARY MANHOLE #201 RIM ELEV. = 861.75 8" VCP E INV. = 855.03 8" VCP W INV. = 855.07
CATCH BASIN #103 RIM ELEV. = 863.83	SANITARY MANHOLE #202 RIM ELEV. = 862.08 8" VCP E INV. = 856.14
CATCH BASIN #104 RIM ELEV. = 859.05 12" RCP NW INV. = 853.73	SANITARY MANHOLE #203 RIM ELEV. = 862.12 6" VCP N INV. = 853.68 12" RCP N INV. = 853.24 12" RCP SE INV. = 853.23 18" RCP SW INV. = 852.76
CATCH BASIN #105 RIM ELEV. = 859.37 12" RCP NE INV. = 853.72 12" RCP SE INV. = 853.23 18" RCP SW INV. = 852.76	SANITARY MANHOLE #204 RIM ELEV. = 859.48 8" VCP E INV. = 852.51 8" VCP W INV. = 852.53
CATCH BASIN #106 RIM ELEV. = 861.75 8" UNKNOWN NE INV. = 856.69 12" RCP S INV. = 856.54 12" RCP NW INV. = 856.67	SANITARY MANHOLE #205 RIM ELEV. = 859.64 8" VCP E INV. = 851.44 8" VCP W INV. = 851.48
CATCH BASIN #107 RIM ELEV. = 861.90 12" RCP SE INV. = 857.94	SANITARY MANHOLE #206 RIM ELEV. = 861.41 6" VCP N INV. = 850.71 8" VCP S INV. = 850.63 8" VCP W INV. = 850.76
CATCH BASIN #108 RIM ELEV. = 861.63 12" RCP S INV. = 854.88	SANITARY MANHOLE #207 RIM ELEV. = 872.54 PIPES NOT VISIBLE N INV. = 849.42 SW INV. = 849.36
CATCH BASIN #109 RIM ELEV. = 861.08 12" RCP SW INV. = 856.72	SANITARY MANHOLE #208 RIM ELEV. = 853.05 24" RCP NE INV. = 837.43 24" RCP SW INV. = 837.37
CATCH BASIN #110 RIM ELEV. = 860.02 24" RCP E INV. = 849.62 30" RCP SW INV. = 849.58	SANITARY MANHOLE #209 RIM ELEV. = 844.81 24" RCP NE INV. = 836.62 24" RCP SW INV. = 836.57
CATCH BASIN #111 RIM ELEV. = 859.77 12" RCP NE INV. = 854.79 24" RCP SE INV. = 850.37 24" RCP W INV. = 850.32	SANITARY MANHOLE #210 RIM ELEV. = 839.51 PIPES NOT VISIBLE BOTTOM ELEV. = 832.43
CATCH BASIN #112 RIM ELEV. = 859.46 24" RCP NE INV. = 850.78 24" RCP W INV. = 850.76	SANITARY MANHOLE #211 RIM ELEV. = 840.85 PIPES NOT VISIBLE SW INV. = 832.30 1" WATER ELEV. = 834.25
CATCH BASIN #113 RIM ELEV. = 858.81 12" RCP N INV. = 852.50 18" RCP NE INV. = 852.13 24" RCP SW INV. = 851.58	
CATCH BASIN #114 RIM ELEV. = 859.08 12" RCP W INV. = 855.92	
STORM MANHOLE #115 RIM ELEV. = 860.22 10" VCP NE INV. = 853.72 12" VCP E INV. = 853.67 18" RCP W INV. = 853.40	
CATCH BASIN #116 RIM ELEV. = 858.65 18" RCP E INV. = 852.06 18" RCP W INV. = 852.03	
STORM MANHOLE #117 RIM ELEV. = 848.26 12" RCP NE INV. = 843.95 12" RCP SW INV. = 843.90	
CATCH BASIN #118 RIM ELEV. = 850.16 8" HDPE N INV. = 844.61 12" RCP SW INV. = 844.36	
CATCH BASIN #119 RIM ELEV. = 860.94 12" RCP N INV. = 856.32 12" RCP SE INV. = 856.25	
CATCH BASIN #120 RIM ELEV. = 861.42 12" RCP S INV. = 856.93	

CENTER OF SECTION SECTION 10, T4N, R1W  
 386.20'  
 N88°08'51"E 636.00'  
 N00°22'20"W 2256.67'  
 NORTH-SOUTH 1/4 LINE SECTION 10, T4N, R1W  
 2642.87'  
 N00°22'20"W 149.95'  
 P.O.B. B  
 BAR & CAP KEYS  
 N00°22'20"W 746.99'  
 P.O.C. & SOUTH 1/4 CORNER SECTION 10, T4N, R1W



**SURVEYOR'S NOTES:**

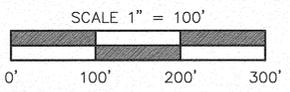
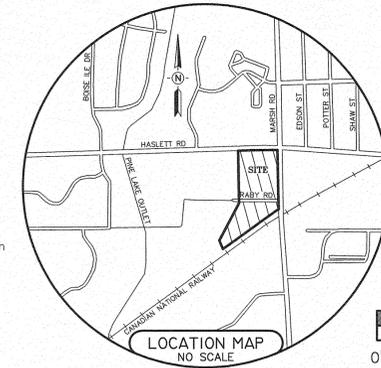
- This plan was made at the direction of the parties named hereon and is intended solely for their immediate use.
- All bearings are Michigan State Plane South Zone grid bearings obtained from GPS observations using corrections obtained from the nearest National Geodetic Survey C.O.R.S. station.
- All dimensions shown are as-measured unless otherwise noted.
- All dimensions are in feet and decimals thereof.
- No building tie dimensions are to be used for establishing the property lines.
- There are no observable potential encroachments onto the subject property from adjoining lands, or from the subject property onto adjoining lands, except as shown hereon.
- Parcel has direct access to public Haslett Road and Marsh Road.
- Wetlands, if any, not shown hereon.
- Smaller landscaping trees are labeled with the sizes. All others are labeled with the tree tag numbers from the tree survey performed on the site in 2016.

**LEGAL DESCRIPTION:**

(As provided by Transation Title Agency, underwritten by Fidelity National Title Insurance Company, Commitment No. 368990LANS, Revision No. 1, dated October 13, 2021)

**Parcel B:**  
 A parcel of land in the Southeast 1/4 of Section 10, Town 4 North, Range 1 West, Meridian Township, Ingham County, Michigan, the surveyed boundary of said parcel described as: Commencing at the South 1/4 corner of said Section 10; thence North 00 degrees 22 minutes 20 seconds West along the North-South 1/4 line of said Section 10 a distance of 746.99 feet to the point of beginning of this description; thence continuing North 00 degrees 22 minutes 20 seconds West along said North-South 1/4 line 149.95 feet; thence North 29 degrees 31 minutes 22 seconds East 858.27 feet; thence North 01 degrees 40 minutes 31 seconds West 625.33 feet to the South right of way line of Haslett Road, said South line being South of and 50.00 feet measured perpendicular to the centerline of Haslett Road; thence North 88 degrees 08 minutes 51 seconds East along said South line 224.29 feet; thence South 01 degrees 25 minutes 28 seconds East parallel with the West right of way line of Marsh Road 222.14 feet; thence North 88 degrees 08 minutes 51 seconds East parallel with said South line 488.95 feet to the West right of way line of Marsh Road, said West line being West of and 60.00 feet measured perpendicular to the centerline of Marsh Road; thence along said West line South 01 degrees 25 minutes 28 seconds East 407.01 feet to the centerline of former Raby Road and a jog in the West right of way line of said Marsh Road; thence North 89 degrees 45 minutes 31 seconds West along said centerline and jog in right of way 20.01 feet to a point being West of and 80.00 feet measured perpendicular to the centerline of Marsh Road; thence South 01 degrees 25 minutes 28 seconds East along said West line 83.28 feet to the Northerly line of a Consumers Energy lower line easement; thence along said Northerly line the following three courses: South 54 degrees 02 minutes 30 seconds West 638.21 feet, South 46 degrees 14 minutes 05 seconds West 124.14 feet; South 53 degrees 35 minutes 08 seconds West 628.79 feet to the point of beginning.

**Parcel C:**  
 A parcel of land in the Southeast 1/4 of Section 10, Town 4 North, Range 1 West, Meridian Township, Ingham County, Michigan, the surveyed boundary of said parcel described as: Commencing at the South 1/4 corner of said Section 10; thence North 00 degrees 22 minutes 20 seconds West along the North-South 1/4 line of said Section 10 a distance of 2256.67 feet to the South right of way line of Haslett Road, said South line being South of and 50.00 feet measured perpendicular to the centerline of Haslett Road; thence North 88 degrees 08 minutes 51 seconds East along said South line 636.00 feet to the point of beginning; thence North 88 degrees 08 minutes 51 seconds East continuing along said South line 488.95 feet to the West right of way line of Marsh Road, said West line being West of and 60.00 feet measured perpendicular to the centerline of Marsh Road; thence South 01 degrees 25 minutes 28 seconds East along said West line 222.14 feet; thence South 88 degrees 08 minutes 51 seconds West parallel with said South line 488.95 feet; thence North 01 degrees 25 minutes 28 seconds West parallel with said West line 222.14 feet to the point of beginning.



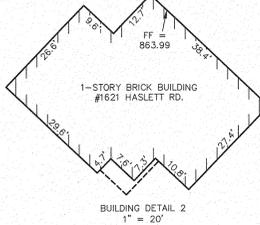
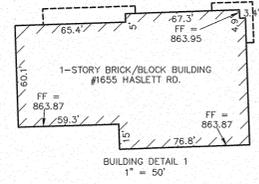
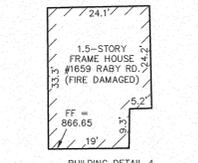
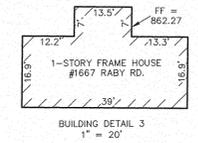
**SCHEDULE B, SECTION II, EXCEPTIONS:**

(As provided by Transation Title Agency, underwritten by Fidelity National Title Insurance Company, Commitment No. 368990LANS, Revision No. 1, dated October 13, 2021)

- Right of Way as recorded in Liber 70 Misc., Page 472, may cross parcel, provided document is illegible, not plottable, therefore not shown hereon.
- Release of Right of Way as recorded in Liber 70 Misc., Page 484, may cross parcel, no particular route or course is described, not plottable therefore not shown hereon.
- Easement granted to Consumers Energy Company recorded in Liber 948, Page 670, crosses parcel, is plottable and shown hereon.
- Highway Easement Release as recorded in Liber 1374, Page 996, crosses parcel, is plottable and shown hereon.
- Grant of Easement as recorded in Liber 1377, Page 34, crosses parcel, is plottable and shown hereon.
- Agreement as recorded in Liber 1416, Page 828, does not cross parcel, therefore not shown hereon.
- Release of Right of Way as recorded in Liber 1416, Page 835, crosses parcel, is plottable and shown hereon.
- Release of Right of Way as recorded in Liber 1416, Page 839, crosses parcel, is plottable and shown hereon.
- Release of Right of Way as recorded in Liber 1416, Page 843, crosses parcel, is plottable and shown hereon.
- Easement granted to Michigan Bell Telephone Company recorded in Liber 1487, Page 951, crosses parcel, is plottable and shown hereon.
- Area described in instrument recorded in Liber 1542, Page 286, crosses parcel, is blanket in character, therefore not shown hereon.
- Release of Right of Way as recorded in Liber 1653, Page 1017, crosses parcel, is plottable and shown hereon.
- Notice of Road Abandonment as recorded in \*Liber 2592, Page 199, crosses parcel, is plottable and shown hereon.  
 \*Provided titework has listed as Liber 2892
- Notice of Road Abandonment as recorded in Liber 2594, Page 568, crosses parcel, is plottable and shown hereon.
- Grant of Communications System Easement Release as recorded in Liber 3279, Page 237, crosses parcel, follows actual route of underground utilities, therefore not shown hereon.
- Grant of Easement as recorded in Liber 3372, Page 441, crosses parcel, is plottable and shown hereon.
- Grant of Easement as recorded in Liber 3372, Page 442, crosses parcel, is plottable and shown hereon.
- Easement Deed by Court Order as recorded in Instrument No. 2013-005529, may abut parcel, not plottable, therefore not shown hereon.
- Survey as recorded in Instrument No. 2020-035595, crosses parcel, is plottable and shown hereon.
- Reciprocal Easement Agreement as recorded in Instrument No. 2020-038704, crosses parcel, is plottable and shown hereon.
- Temporary Easement Agreement as recorded in Instrument No. 2020-038705, crosses parcel, not plottable, therefore not shown hereon.
- Easement granted to Michigan Bell Telephone Company recorded in Liber 1486, Page 429, crosses parcel, is plottable and shown hereon.
- Easement granted to Michigan Bell Telephone Company recorded in Liber 1486, Page 430, crosses parcel, is plottable and shown hereon.
- Grant of Easement as recorded in Liber 3426, Page 518, crosses parcel, is plottable and shown hereon.

**LEGEND**

- |   |                           |
|---|---------------------------|
| (M) = MEASURED DIMENSION                | ⊙ = SANITARY MANHOLE      |
| (R) = RECORDED DIMENSION                | ⊕ = DRAINAGE MANHOLE      |
| • = SET 1/2" BAR WITH CAP UNLESS NOTED  | ⊖ = WATER MANHOLE         |
| □ = FOUND BAR & CAP #53497 UNLESS NOTED | ⊗ = CATCH BASIN           |
| — = DEED LINE                           | ⊠ = GAS METER             |
| — = DISTANCE NOT TO SCALE               | ⊡ = CLEANOUT              |
| — = FENCE                               | ⊣ = FIRE HYDRANT          |
| — = ASPHALT                             | ⊤ = VALVE                 |
| — = CONCRETE                            | ⊥ = WATER PIV             |
| — = GRAVEL                              | ⊦ = WATER METER           |
| — = BUILDING OVERHANG                   | — = SIGN                  |
| —EO— = OVERHEAD WIRES                   | — = POST                  |
| — = SWAMP AREA                          | — = AIR CONDITIONING UNIT |
| ⊞ = UTILITY PEDESTAL                    | — = FLAG POLE             |
| ⊚ = TRANSFORMER                         | — = UTILITY POLE          |
| ⊛ = HANDHOLE                            | — = LIGHT POLE            |
| ⊜ = ELECTRIC METER                      | — = GUY WIRE              |
| ⊝ = DISABLED PARKING SPACE              | ⊞ = GROUND LIGHT          |



REVISIONS	COMMENTS	DATE
02/07/2022	ORIGINAL	
03/15/2022	M.U.P.U.D. SUBMITTAL	
04/29/2022	M.U.P.U.D. SUBMITTAL	

**KEBS, INC. ENGINEERING AND LAND SURVEYING**  
 2116 HASLETT ROAD, HASLETT, MI 48840  
 PH. 517-339-1016 FAX 517-339-8047  
 WWW.KEBS.COM

Marshall Office - Ph. 269-781-9800

DRAWN BY AN/SF SECTION 10, T4N, R1W  
 FIELD WORK BY NW/KC/AE JOB NUMBER:  
 SHEET 2 OF 7 99148.ALT

# HASLETT VILLAGE

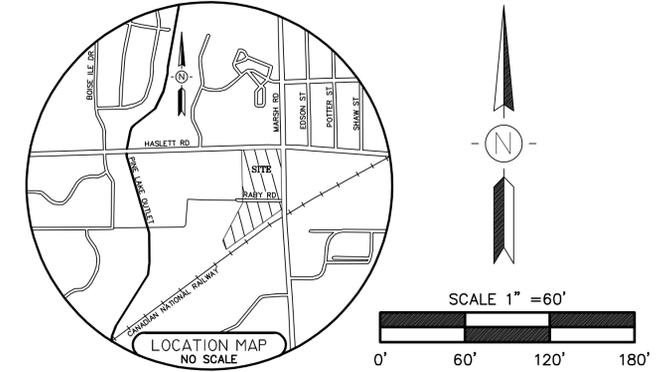
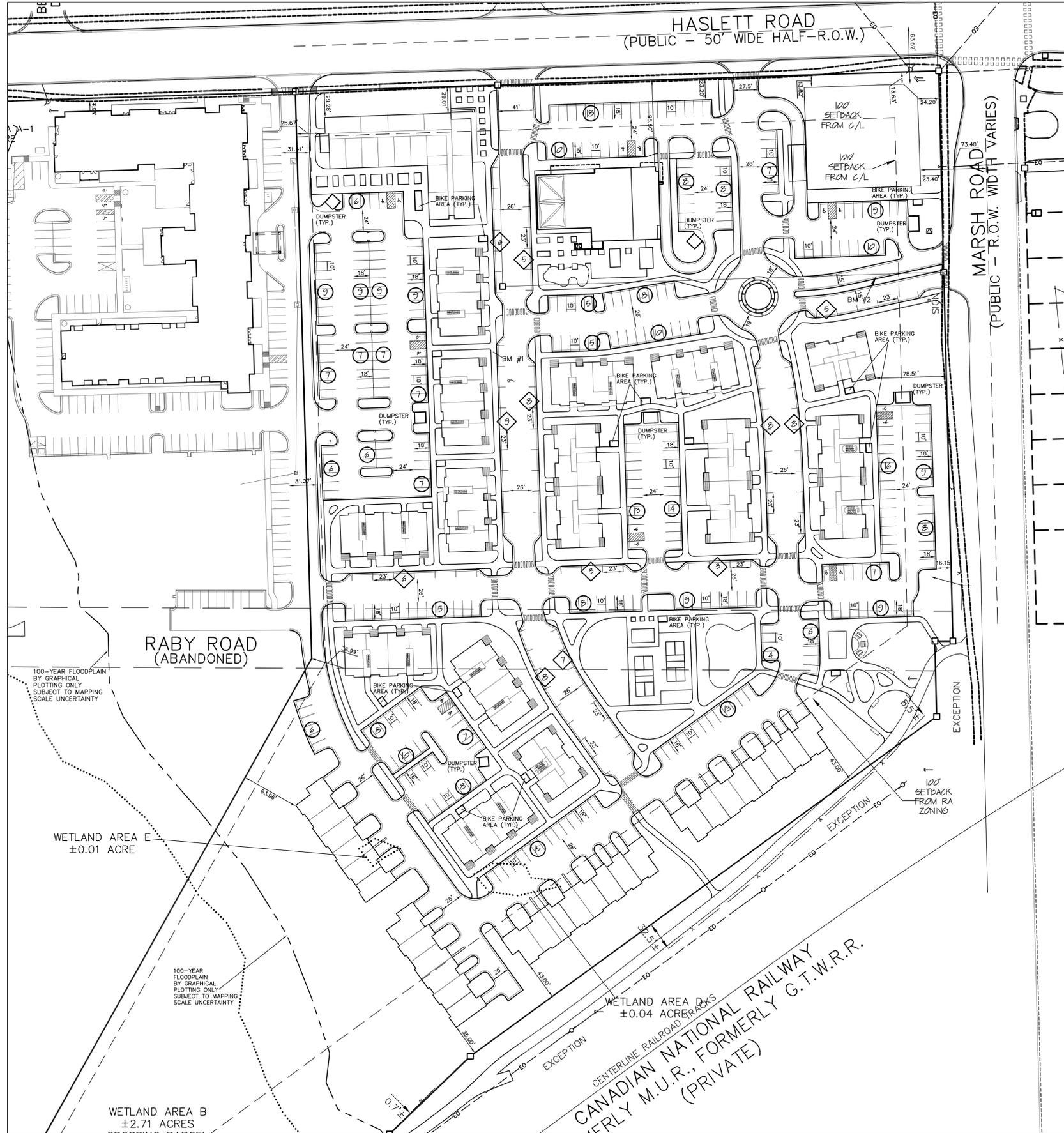
MERIDIAN TOWNSHIP, INGHAM COUNTY, MICHIGAN

**STORM SEWER INVENTORIES:**

- CATCH BASIN #100  
RIM ELEV. = 860.14
- CATCH BASIN #101  
RIM ELEV. = 861.52
- STORM MANHOLE #102  
RIM ELEV. = 864.12
- CATCH BASIN #103  
RIM ELEV. = 863.83
- CATCH BASIN #104  
RIM ELEV. = 859.05  
12" RCP NW INV. = 853.73
- CATCH BASIN #105  
RIM ELEV. = 859.37  
12" RCP N INV. = 853.24  
12" RCP SE INV. = 853.23  
18" RCP SW INV. = 852.76
- CATCH BASIN #106  
RIM ELEV. = 861.75  
8" UNKNOWN NE INV. = 856.69  
12" RCP S INV. = 856.54  
12" RCP NW INV. = 856.67
- CATCH BASIN #107  
RIM ELEV. = 861.90  
12" RCP SE INV. = 857.94
- CATCH BASIN #108  
RIM ELEV. = 861.63  
12" RCP S INV. = 854.88
- CATCH BASIN #109  
RIM ELEV. = 861.08  
12" RCP SW INV. = 856.72
- CATCH BASIN #110  
RIM ELEV. = 860.02  
24" RCP E INV. = 849.62  
30" RCP SW INV. = 849.58
- CATCH BASIN #111  
RIM ELEV. = 859.77  
12" RCP NE INV. = 854.79  
24" RCP SE INV. = 850.37  
24" RCP W INV. = 850.32
- CATCH BASIN #112  
RIM ELEV. = 859.46  
24" RCP NE INV. = 850.78  
24" RCP W INV. = 850.76
- CATCH BASIN #113  
RIM ELEV. = 858.81  
12" RCP N INV. = 852.50  
18" RCP NE INV. = 852.13  
24" RCP SW INV. = 851.58
- CATCH BASIN #114  
RIM ELEV. = 859.08  
12" RCP W INV. = 855.92
- STORM MANHOLE #115  
RIM ELEV. = 860.22  
10" VCP NE INV. = 853.72  
12" VCP E INV. = 853.67  
18" RCP W INV. = 853.40
- CATCH BASIN #116  
RIM ELEV. = 858.65  
18" RCP E INV. = 852.06  
18" RCP W INV. = 852.03
- STORM MANHOLE #117  
RIM ELEV. = 848.26  
12" RCP NE INV. = 843.95  
12" RCP SW INV. = 843.90
- CATCH BASIN #118  
RIM ELEV. = 850.16  
8" HDPE N INV. = 844.61  
12" RCP SW INV. = 844.36
- CATCH BASIN #119  
RIM ELEV. = 860.94  
12" RCP N INV. = 856.32  
12" RCP SE INV. = 856.25
- CATCH BASIN #120  
RIM ELEV. = 861.42  
12" RCP S INV. = 856.93

**SANITARY SEWER INVENTORIES:**

- SANITARY MANHOLE #200  
RIM ELEV. = 861.50  
8" VCP S INV. = 854.18  
8" VCP W INV. = 854.22
- SANITARY MANHOLE #201  
RIM ELEV. = 861.75  
8" VCP E INV. = 855.03  
8" VCP W INV. = 855.07
- SANITARY MANHOLE #202  
RIM ELEV. = 862.08  
8" VCP E INV. = 856.14
- SANITARY MANHOLE #203  
RIM ELEV. = 862.12  
6" VCP N INV. = 853.68  
8" VCP E INV. = 853.48
- SANITARY MANHOLE #204  
RIM ELEV. = 859.48  
8" VCP E INV. = 852.51  
8" VCP W INV. = 852.53
- SANITARY MANHOLE #205  
RIM ELEV. = 859.64  
8" VCP E INV. = 851.44  
8" VCP W INV. = 851.48
- SANITARY MANHOLE #206  
RIM ELEV. = 861.41  
8" VCP N INV. = 850.71  
8" VCP S INV. = 850.63  
8" VCP W INV. = 850.76
- SANITARY MANHOLE #207  
RIM ELEV. = 872.54  
PIPES NOT VISIBLE  
N INV. = 849.42  
SW INV. = 849.36
- SANITARY MANHOLE #208  
RIM ELEV. = 853.05  
24" RCP NE INV. = 837.43  
24" RCP SW INV. = 837.37
- SANITARY MANHOLE #209  
RIM ELEV. = 844.61  
24" RCP NE INV. = 836.62  
24" RCP SW INV. = 836.57
- SANITARY MANHOLE #210  
RIM ELEV. = 839.51  
PIPES NOT VISIBLE  
NE INV. = 832.35  
SW INV. = 832.30  
T/WATER ELEV. = 834.25
- SANITARY MANHOLE #211  
RIM ELEV. = 840.85  
PIPES NOT VISIBLE  
NE INV. = 832.35  
SW INV. = 832.30  
T/WATER ELEV. = 834.25



SECTION	REQUIREMENT	REASON	WAIVER REQUESTED
86-402 (1)a	100' BLDG. SETBACK FROM CL HASLETT RD	PROP. 63.62' SETBACK	36.38' WAIVER
	100' BLDG. SETBACK FROM CL MARSH RD	PROP. 73.40' SETBACK	26.6' WAIVER
86-404 (b)(3)	BLDG. 100' FROM RESIDENTIAL ZONED PROPERTY	SOUTH PROP. BLDG. SETBACK 43' TO RESIDENTIAL (ADJ. TO RAILROAD)	57' WAIVER
86-755	834 PARKING SPACES REQUIRED	482 PROPOSED SPACES	352 SPACE WAIVER
86-756 (1)	20' PARKING SETBACK FROM ROAD R.O.W.	PROP. 16.15' SETBACK	3.85' WAIVER

**LEGEND**

	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED HYDRANT
	PROPOSED GATE VALVE
	PROPOSED SAN. M.H.
	PROPOSED STORM M.H.
	PROPOSED C.B.
	PROPOSED GRADES
	PROPOSED FIRST FLOOR ELEV.
	PROPOSED TOP OF CURB ELEV.
	PROPOSED TOP OF GROUND ELEV.
	PROPOSED TOP OF PAVT ELEV.
	PROPOSED TOP OF WALK ELEV.
	DENOTES S.E.S.C. KEYING SYSTEM

**LEGEND**

	EXT. CONTOURS
	EXT. WATER MAIN
	EXT. SANITARY SEWER
	EXT. STORM SEWER
	EXT. ELEVATIONS
	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	MANHOLE (NEW)
	PROPOSED C.B.
	MANHOLE (EX.)
	UTILITY EASEMENT
	CENTER LINE OF ROAD
	ROAD RIGHT OF WAY
	PROPERTY LINE
	FIRE HYDRANT
	WATER VALVE
	THRUST BLOCK
	PROPOSED TOP OF CURB ELEV.

	DENOTES PROPOSED NUMBER OF 8' x 23' PARKING SPACES
	DENOTES PROPOSED NUMBER OF 10' x 18' PARKING SPACES

	<b>REVISIONS</b> 3-15-22 M.U.P.U.D. SUBMITTAL 4-29-22 M.U.P.U.D. REVISION	<b>KEBS, INC.</b> KYES ENGINEERING BRYAN LAND SURVEYS 2116 HASLETT ROAD, HASLETT, MI 48840 PH. 517-339-1014 FAX. 517-339-8047 Marshall Office Ph. 269-781-9800
	<b>HASLETT VILLAGE</b> ENLARGED SITE & DIMENSION PLAN	
SCALE: 1" = 60' DATE: 2-21-22 AUTHORIZED BY: LAKE DRIVE GROUP, LLC	DESIGNER: PROJECT MGR. SHEET 3 OF 7	APPROVED BY: G.A.P. JOB #: E-99148

# HASLETT VILLAGE

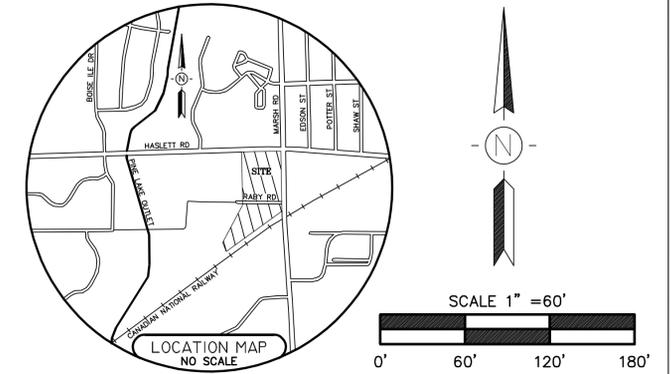
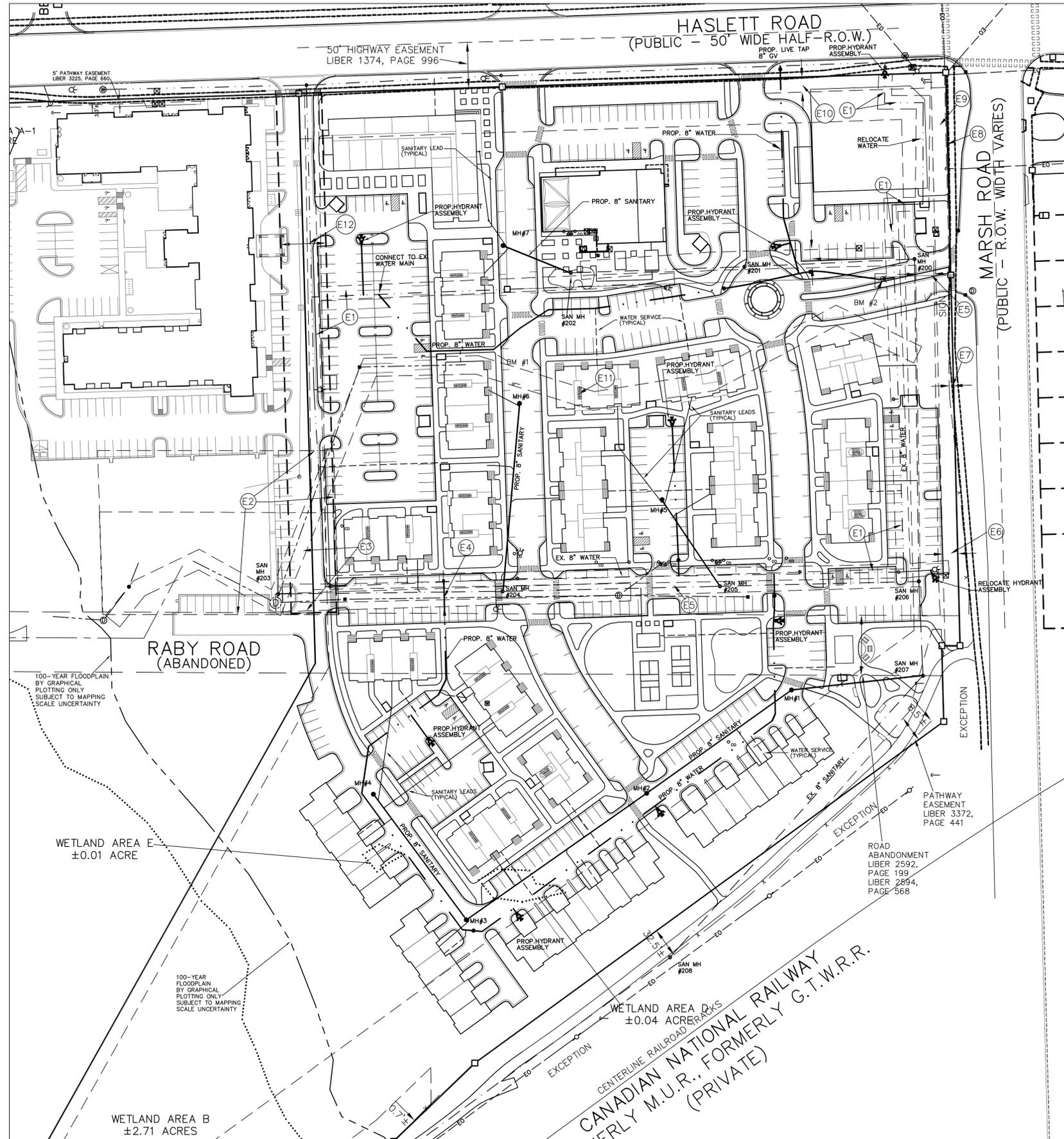
MERIDIAN TOWNSHIP, INGHAM COUNTY, MICHIGAN

**STORM SEWER INVENTORIES:**

- CATCH BASIN #100  
RIM ELEV. = 860.14
- CATCH BASIN #101  
RIM ELEV. = 861.52
- STORM MANHOLE #102  
RIM ELEV. = 864.12
- CATCH BASIN #103  
RIM ELEV. = 863.83
- CATCH BASIN #104  
RIM ELEV. = 859.05  
12" RCP NW INV. = 853.73
- CATCH BASIN #105  
RIM ELEV. = 859.37  
12" RCP N INV. = 853.24  
12" RCP SE INV. = 853.23  
18" RCP SW INV. = 852.76
- CATCH BASIN #106  
RIM ELEV. = 861.75  
8" UNKNOWN NE INV. = 856.69  
12" RCP S INV. = 856.54  
12" RCP NW INV. = 856.67
- CATCH BASIN #107  
RIM ELEV. = 861.90  
12" RCP SE INV. = 857.94
- CATCH BASIN #108  
RIM ELEV. = 861.63  
12" RCP S INV. = 854.88
- CATCH BASIN #109  
RIM ELEV. = 861.08  
12" RCP SW INV. = 856.72
- CATCH BASIN #110  
RIM ELEV. = 860.02  
24" RCP E INV. = 849.62  
30" RCP SW INV. = 849.58
- CATCH BASIN #111  
RIM ELEV. = 859.77  
12" RCP NE INV. = 854.79  
24" RCP SE INV. = 850.37  
24" RCP W INV. = 850.32
- CATCH BASIN #112  
RIM ELEV. = 859.46  
24" RCP NE INV. = 850.78  
24" RCP W INV. = 850.76
- CATCH BASIN #113  
RIM ELEV. = 858.81  
12" RCP N INV. = 852.50  
18" RCP NE INV. = 852.13  
24" RCP SW INV. = 851.58
- CATCH BASIN #114  
RIM ELEV. = 859.08  
12" RCP W INV. = 855.92
- STORM MANHOLE #115  
RIM ELEV. = 860.22  
10" VCP NE INV. = 853.72  
12" VCP E INV. = 853.67  
18" RCP W INV. = 853.40
- CATCH BASIN #116  
RIM ELEV. = 858.65  
18" RCP E INV. = 852.06  
18" RCP W INV. = 852.03
- STORM MANHOLE #117  
RIM ELEV. = 848.26  
12" RCP NE INV. = 843.95  
12" RCP SW INV. = 843.90
- CATCH BASIN #118  
RIM ELEV. = 850.16  
8" HDPE N INV. = 844.61  
12" RCP SW INV. = 844.36
- CATCH BASIN #119  
RIM ELEV. = 860.94  
12" RCP N INV. = 856.32  
12" RCP SE INV. = 856.25
- CATCH BASIN #120  
RIM ELEV. = 861.42  
12" RCP S INV. = 856.93

**SANITARY SEWER INVENTORIES:**

- SANITARY MANHOLE #200  
RIM ELEV. = 861.50  
8" VCP S INV. = 854.18  
8" VCP W INV. = 854.22
- SANITARY MANHOLE #201  
RIM ELEV. = 861.75  
8" VCP E INV. = 855.03  
8" VCP W INV. = 855.07
- SANITARY MANHOLE #202  
RIM ELEV. = 862.08  
8" VCP E INV. = 856.14
- SANITARY MANHOLE #203  
RIM ELEV. = 862.12  
6" VCP N INV. = 853.68  
6" VCP E INV. = 853.48
- SANITARY MANHOLE #204  
RIM ELEV. = 859.48  
8" VCP E INV. = 852.51  
8" VCP W INV. = 852.53
- SANITARY MANHOLE #205  
RIM ELEV. = 859.64  
8" VCP E INV. = 851.44  
8" VCP W INV. = 851.48
- SANITARY MANHOLE #206  
RIM ELEV. = 861.41  
8" VCP N INV. = 850.71  
8" VCP S INV. = 850.63  
8" VCP W INV. = 850.76
- SANITARY MANHOLE #207  
RIM ELEV. = 872.54  
PIPES NOT VISIBLE  
N INV. = 849.42  
SW INV. = 849.36
- SANITARY MANHOLE #208  
RIM ELEV. = 853.05  
24" RCP NE INV. = 837.43  
24" RCP SW INV. = 837.37
- SANITARY MANHOLE #209  
RIM ELEV. = 844.61  
24" RCP NE INV. = 836.62  
24" RCP SW INV. = 836.57
- SANITARY MANHOLE #210  
RIM ELEV. = 839.51  
PIPES NOT VISIBLE  
BOTTOM ELEV. = 832.43
- SANITARY MANHOLE #211  
RIM ELEV. = 840.85  
PIPES NOT VISIBLE  
NE INV. = 832.35  
SW INV. = 832.30  
T/WATER ELEV. = 834.25



- E1 15' WATER MAIN EASEMENT  
LIBER 1377, PAGE 34
- E2 HASLETT VILLAGE SQUARE BRANCH OF  
PINE LAKE OUTLET DRAIN - DETENTION POND  
LIBER 1416, PAGE 839
- E3 HASLETT VILLAGE SQUARE BRANCH OF  
PINE LAKE OUTLET R.O.W.  
LIBER 1653, PAGE 1017
- E4 HASLETT VILLAGE SQUARE BRANCH OF  
PINE LAKE OUTLET DRAIN - BRANCH NO. 1  
LIBER 1416, PAGE 835
- E5 20' SANITARY SEWER EASEMENT  
LIBER 1377, PAGE 34
- E6 16.5' COMMUNICATION EASEMENT  
LIBER 1487, PAGE 951
- E7 PATHWAY EASEMENT  
LIBER 3372, PAGE 442
- E8 1.5' PATHWAY EASEMENT  
LIBER 3426, PAGE 518
- E9 16.5' COMMUNICATION EASEMENT  
LIBER 1486, PAGE 429
- E10 16.5' COMMUNICATION EASEMENT  
LIBER 1486, PAGE 430
- E11 HASLETT VILLAGE SQUARE BRANCH OF  
PINE LAKE OUTLET DRAIN - MAIN DRAIN  
LIBER 1416, PAGE 843
- E12 INGRESS, EGRESS & UTILITY EASEMENT  
INSTRUMENT NO. 2020-035595  
INSTRUMENT NO. 2020-038704

**LEGEND**

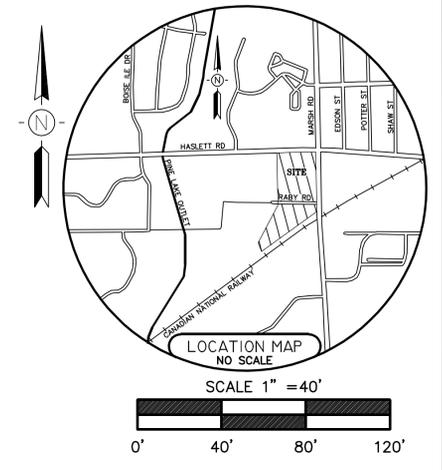
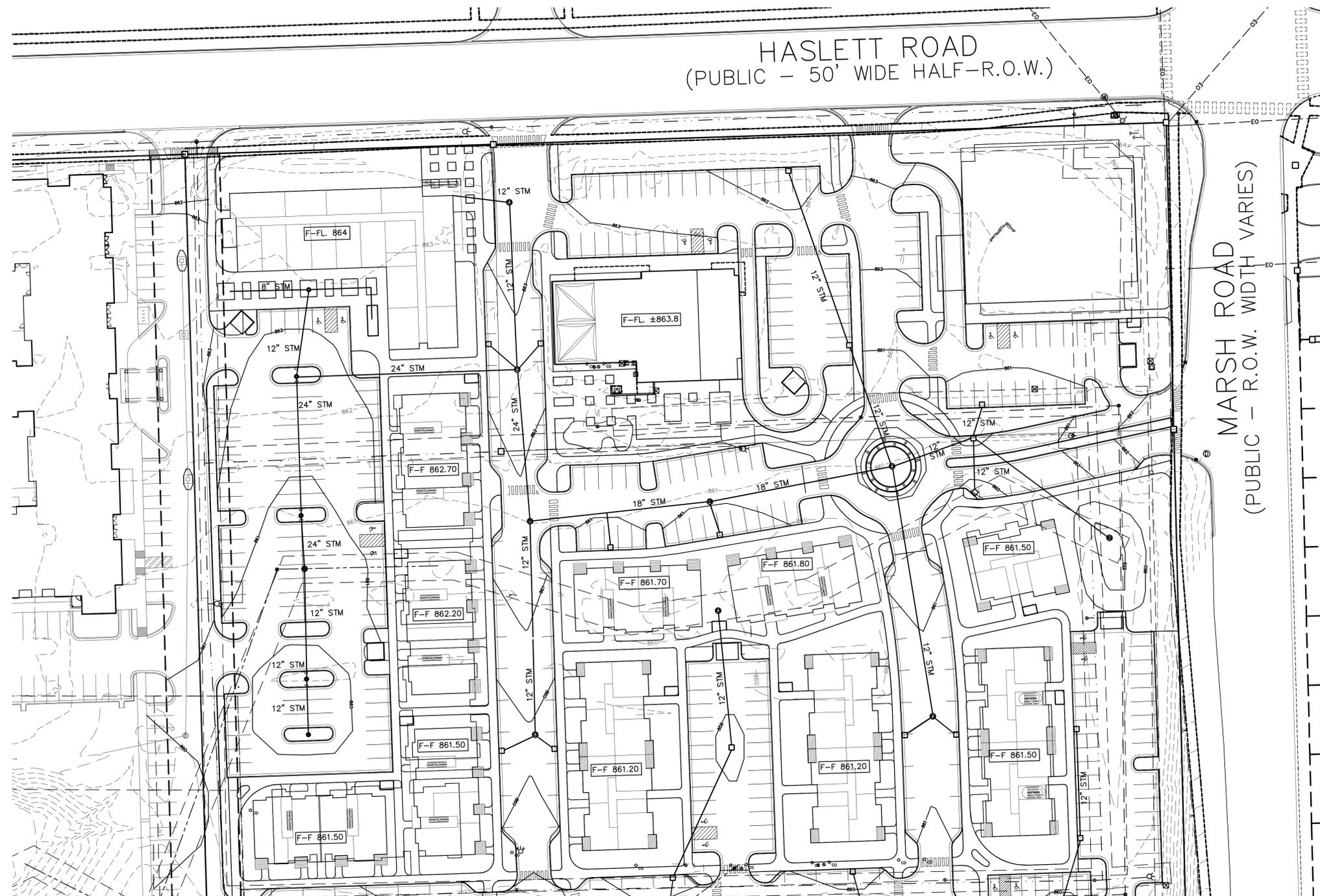
	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED HYDRANT
	PROPOSED GATE VALVE
	PROPOSED SAN. M.H.
	PROPOSED STORM M.H.
	PROPOSED C.B.
	PROPOSED GRADES
	PROPOSED FIRST FLOOR ELEV.
	PROPOSED TOP OF CURB ELEV.
	PROPOSED TOP OF GROUND ELEV.
	PROPOSED TOP OF PAVT ELEV.
	PROPOSED TOP OF WALK ELEV.
	DENOTES S.E.S.C. KEYING SYSTEM

**LEGEND**

	EXT. CONTOURS
	EXT. WATER MAIN
	EXT. SANITARY SEWER
	EXT. STORM SEWER
	EXT. ELEVATIONS
	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED MANHOLE (NEW)
	PROPOSED C.B.
	PROPOSED MANHOLE (EX.)
	UTILITY EASEMENT
	CENTER LINE OF ROAD
	ROAD RIGHT OF WAY
	PROPERTY LINE
	FIRE HYDRANT
	WATER VALVE
	THRUST BLOCK
	PROPOSED TOP OF CURB ELEV.

	<b>REVISIONS</b> 3-15-22 M.U.P.U.D. SUBMITTAL 4-29-22 M.U.P.U.D. REVISION	<b>KEBS, INC.</b> KYES ENGINEERING BRYAN LAND SURVEYS 2116 HASLETT ROAD, HASLETT, MI 48840 PH. 517-339-1014 FAX. 517-339-8047 Marshall Office Ph. 269-781-9800
	<b>HASLETT VILLAGE</b> UTILITY PLAN	
SCALE: 1" = 60' DATE: 2-21-22 AUTHORIZED BY: LAKE DRIVE GROUP, LLC	DESIGNER: PROJECT MGR. GAP	APPROVED BY: GAP SHEET 4 OF 7 JOB #: E-99148

# HASLETT VILLAGE



**LEGEND**

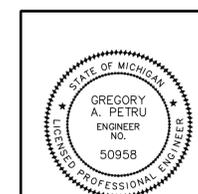
---	EXT. CONTOURS
---	EXT. WATER MAIN
---	EXT. SANITARY SEWER
---	EXT. STORM SEWER
---	EXT. ELEVATIONS
---	PROPOSED WATER MAIN
---	PROPOSED SANITARY SEWER
---	PROPOSED STORM SEWER
○	MANHOLE (NEW)
○	PROPOSED C.B.
○	MANHOLE (EX.)
---	UTILITY EASEMENT
---	CENTER LINE OF ROAD
---	ROAD RIGHT OF WAY
---	PROPERTY LINE
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	THRUST BLOCK
▲	PROPOSED TOP OF CURB ELEV.

**LEGEND**

---	PROPOSED WATER MAIN
---	PROPOSED SANITARY SEWER
---	PROPOSED STORM SEWER
⊕	PROPOSED HYDRANT
⊕	PROPOSED GATE VALVE
⊕	PROPOSED SAN. M.H.
⊕	PROPOSED STORM M.H.
⊕	PROPOSED C.B.
⊕	PROPOSED GRADES
⊕	PROPOSED FIRST FLOOR ELEV.
▲	PROPOSED TOP OF CURB ELEV.
▲	PROPOSED TOP OF GROUND ELEV.
▲	PROPOSED TOP OF PAVT ELEV.
▲	PROPOSED TOP OF WALK ELEV.
⊕	DENOTES S.E.S.C. KEYING SYSTEM

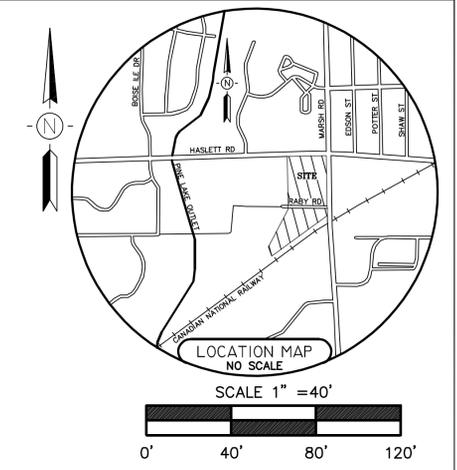
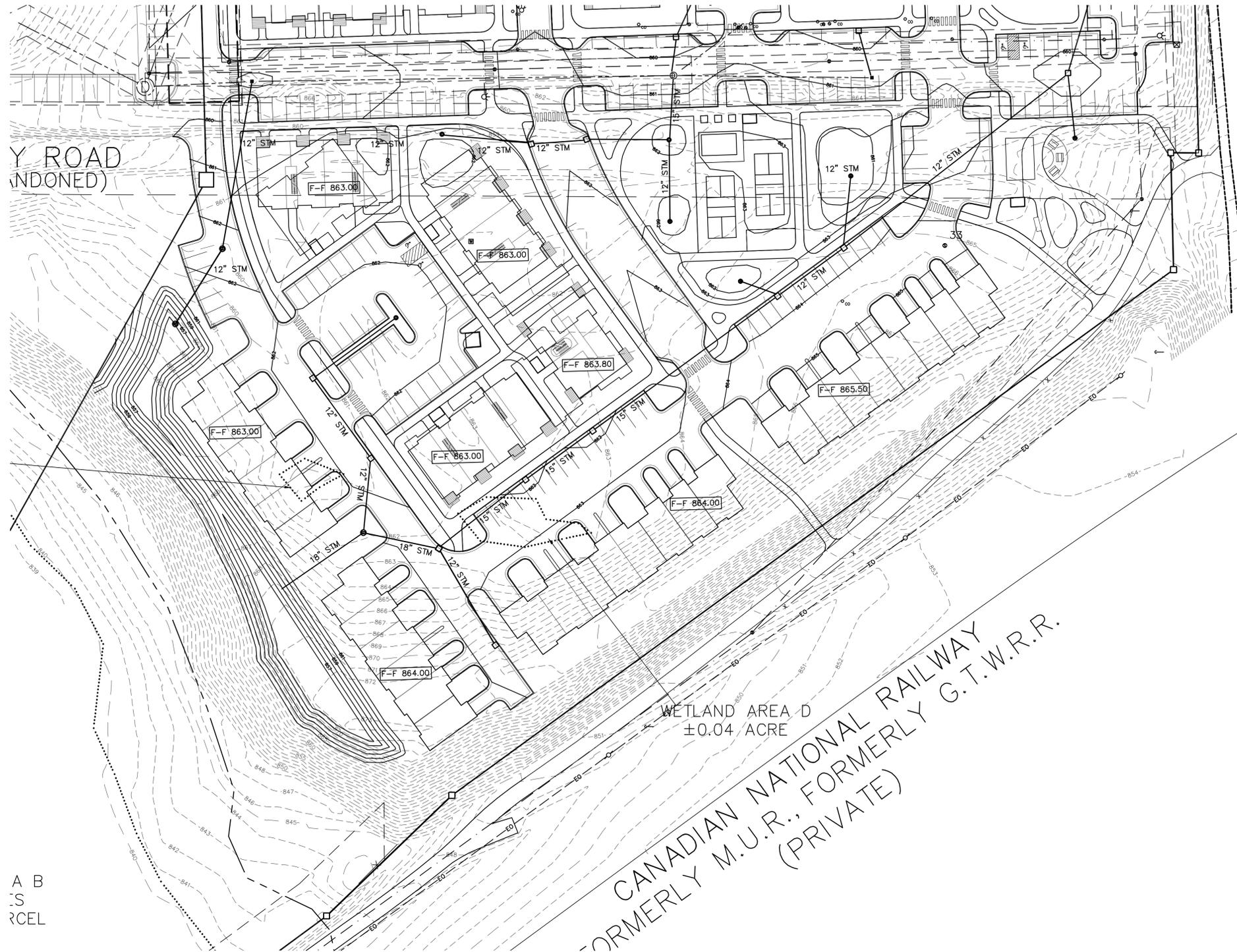
MARSH ROAD  
(PUBLIC - R.O.W. WIDTH VARIES)

HASLETT ROAD  
(PUBLIC - 50' WIDE HALF-R.O.W.)



<b>REVISIONS</b> 3-15-22 M.U.P.U.D. SUBMITTAL 4-29-22 M.U.P.U.D. REVISION		SURVEY# <b>KEBS, INC.</b> KYES ENGINEERING BRYAN LAND SURVEYS 2116 HASLETT ROAD, HASLETT, MI 48840 PH. 517-338-1014 FAX. 517-338-8047 Marshall Office Ph. 269-781-9800
<b>HASLETT VILLAGE</b> STORM & GRADING PLAN - NORTH		
SCALE: 1" = 40' DATE: 2-21-22 AUTHORIZED BY: LAKE DRIVE GROUP, LLC	DESIGNER: GAP PROJECT MGR. GAP JOB #: E-99148	APPROVED BY: GAP SHEET 5 OF 7

# HASLETT VILLAGE



Y ROAD  
(ABANDONED)

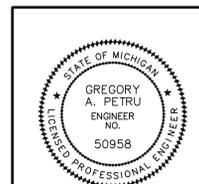
A B  
SECTION

WETLAND AREA D  
±0.04 ACRE

CANADIAN NATIONAL RAILWAY  
FORMERLY M.U.R., FORMERLY G.T.W.R.R.  
(PRIVATE)

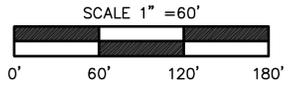
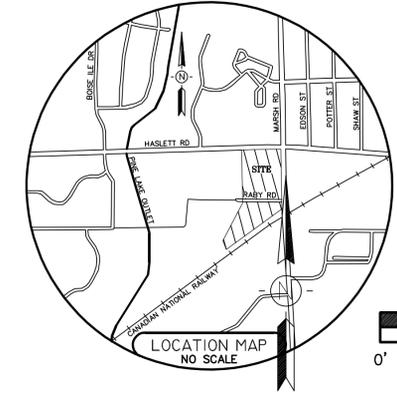
LEGEND	
---	EXT. CONTOURS
— SAN —	EXT. WATER MAIN
— ST —	EXT. SANITARY SEWER
— ST —	EXT. STORM SEWER
—	EXT. ELEVATIONS
— SAN —	PROPOSED WATER MAIN
— ST —	PROPOSED SANITARY SEWER
— ST —	PROPOSED STORM SEWER
○	MANHOLE (NEW)
○	PROPOSED C.B.
○	MANHOLE (EX.)
—	UTILITY EASEMENT
—	CENTER LINE OF ROAD
—	ROAD RIGHT OF WAY
—	PROPERTY LINE
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	THRUST BLOCK
▲	PROPOSED TOP OF CURB ELEV.

LEGEND	
—	PROPOSED WATER MAIN
—	PROPOSED SANITARY SEWER
—	PROPOSED STORM SEWER
⊕	PROPOSED HYDRANT
⊕	PROPOSED GATE VALVE
⊕	PROPOSED SAN. M.H.
⊕	PROPOSED STORM M.H.
⊕	PROPOSED C.B.
⊕	PROPOSED GRADES
⊕	PROPOSED FIRST FLOOR ELEV.
▲	PROPOSED TOP OF CURB ELEV.
▲	PROPOSED TOP OF GROUND ELEV.
▲	PROPOSED TOP OF PAVT ELEV.
▲	PROPOSED TOP OF WALK ELEV.
⊕	DENOTES S.E.S.C. KEYING SYSTEM



REVISIONS		KESB, INC. KYES ENGINEERING BRYAN LAND SURVEYS	
3-15-22	M.U.P.U.D. SUBMITTAL	2116 HASLETT ROAD, HASLETT, MI 48840	PH. 517-339-1014 FAX. 517-339-8047
4-29-22	M.U.P.U.D. REVISION	Marshall Office	Ph. 269-781-9800
HASLETT VILLAGE STORM & GRADING PLAN - SOUTH			
SCALE: 1" = 40'	DESIGNER: GAP	APPROVED BY: GAP	
DATE: 2-21-22	PROJECT MGR. GAP	SHEET 6 OF 7	
AUTHORIZED BY: LAKE DRIVE GROUP, LLC		JOB #:	E-99148

# HASLETT VILLAGE



**SITE DATA**

PROPOSED M.U.P.U.D.  
 TOTAL SITE AREA = 829,215 SF = 19.04 ACRES

EXISTING IMPERVIOUS AREA: 360,707 SF  
 EXISTING PERVIOUS AREA: 468,505 SF  
 EXISTING OPEN SPACE: 468,505 / 829,215 = 56.50%

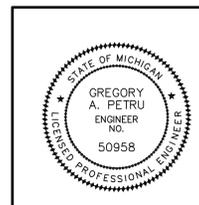
OPEN SPACE CALCULATION:  
 PROPOSED IMPERVIOUS AREA: 462,296 SF  
 PROPOSED PERVIOUS AREA: 366,919 SF  
 PROPOSED OPEN SPACE: 366,919 / 829,215 = 44.25%

**LEGEND**

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED HYDRANT
- PROPOSED GATE VALVE
- PROPOSED SAN. M.H.
- PROPOSED STORM M.H.
- PROPOSED C.B.
- PROPOSED GRADES
- PROPOSED FIRST FLOOR ELEV.
- ▲ T/C 800.00
- ▲ T/G 800.00
- ▲ T/P 800.00
- ▲ T/W 800.00
- DENOTES S.E.S.C. KEYING SYSTEM

**LEGEND**

- EXT. CONTOURS
- EXT. WATER MAIN
- EXT. SANITARY SEWER
- EXT. STORM SEWER
- EXT. ELEVATIONS
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- MANHOLE (NEW)
- PROPOSED C.B.
- MANHOLE (EX.)
- UTILITY EASEMENT
- CENTER LINE OF ROAD
- ROAD RIGHT OF WAY
- PROPERTY LINE
- FIRE HYDRANT
- WATER VALVE
- THRUST BLOCK
- ▲ T/C 800.00
- ▲ PROPOSED TOP OF CURB ELEV.



<b>REVISIONS</b> 3-15-22 M.U.P.U.D. SUBMITTAL 4-29-22 M.U.P.U.D. REVISION		<b>KEBS, INC.</b> KYES ENGINEERING BRYAN LAND SURVEYS 2116 HASLETT ROAD, HASLETT, MI 48840 PH. 517-339-1014 FAX. 517-339-8047 Marshall Office Ph. 269-781-9800
DESIGNER: G.A.P. PROJECT MGR: G.A.P. AUTHORIZED BY: LAKE DRIVE GROUP, LLC		
SCALE: 1" = 60' DATE: 2-21-22 APPROVED BY: G.A.P. SHEET 7 OF 7 JOB #: E-99148		HASLETT VILLAGE OPEN SPACE PLAN



**To: Township Board**

**From: Timothy R. Schmitt, AICP  
Community Planning and Development Director**

**Date: June 28, 2022**

**Re: Text Amendment 2022-10 – Decks in Planned Unit Developments**

The Township Board approved Ordinance 2022-10 for introduction at its meeting on June 21, 2022. The proposed ordinance was published, as directed by the Board, in advance of a final decision being made on the request. Previously, the ordinance had been reviewed by the Planning Commission, who held a public hearing on the proposed ordinance and recommended approval to the Township Board.

Text Amendment 2022-10 is an ordinance update initiated by the Planning Staff to amend the standards or review for Planned Unit Developments. Specifically, language would be added to allow minor changes to decks that would not require a formal public hearing and amendment to the overarching PUD for the neighborhood. This will resolve a very specific, yet vexing problem that faces certain owners in specific neighborhoods, including the Wildwood Lakes Planned Unit Development, which includes the Sapphire Lakes, Emerald Lakes, and Dream Lakes neighborhoods.

Staff would **recommend approval** of the proposed ordinance at this time. A resolution to adopt the ordinance is attached for the Township Board’s review and approval. Staff would offer the following motion for the Board to use in their deliberations.

**Move to adopt the resolution approving for final adoption Zoning Amendment 2022-10 to amend the Zoning Ordinance of the Charter Township of Meridian at Section 86-439 to amend the standards for enlarging decks in Planned Unit Developments.**

**Attachments**

1. Resolution to approve Ordinance 2022-10
2. Ordinance 2022-10 – Final Version

**RESOLUTION TO APPROVE**

**Text Amendment 2022-10  
PUD Deck Encroachments**

**RESOLUTION**

At a regular meeting of the Township Board of the Charter Township of Meridian, Ingham County, Michigan, held at the Meridian Municipal Building, in said Township on the 12<sup>th</sup> day of July 2022, at 6:00 p.m., Local Time.

PRESENT: \_\_\_\_\_  
\_\_\_\_\_

ABSENT: \_\_\_\_\_

The following resolution was offered by \_\_\_\_\_ and supported by \_\_\_\_\_.

WHEREAS, certain Planned Unit Developments (PUD) that have been developed as condominiums do not include deck area as part of the buildable envelope for a unit; and

WHEREAS, Section 86-439 of the current zoning ordinance requires decks to be built inside of the established buildable envelope and not encroach into the approved PUD open space; and

WHEREAS, Staff annually receives requests from homeowners wanting to reconstruct an existing deck or construct a new deck only to find out that in order to do so they must amend the entire PUD, due to the buildable envelope only covering the actual structure; and

WHEREAS, a slight modification to the PUD ordinance would allow flexibility to homeowners in this specific situation, while not impacting the original intent of the approvals for the neighborhood; and

WHEREAS, the Planning Commission reviewed the matter at their May 23, 2022 meeting and recommended approval of the proposed amendment; and

WHEREAS, the Township Board reviewed the matter at their June 7<sup>th</sup>, June 21<sup>st</sup>, and July 12<sup>th</sup> meetings; and

WHEREAS, as directed by the Township Board, Staff published a notice of intent to adopt the proposed ordinance, prior to the July 12<sup>th</sup> meeting.

NOW THEREFORE, BE IT RESOLVED THE TOWNSHIP BOARD OF THE CHARTER TOWNSHIP OF MERIDIAN hereby ADOPTS Ordinance No. 2022-10, entitled "Ordinance to Amend Section 86-439, Planned Unit Development of the Charter Township of Meridian Zoning Code to Update the Standards Therein"; and

BE IT FURTHER RESOLVED that the Clerk of the Charter Township of Meridian is directed to publish the Ordinance in the form in which it was adopted.

ADOPTED: YEAS: \_\_\_\_\_

NAYS: \_\_\_\_\_

STATE OF MICHIGAN )

) ss

COUNTY OF INGHAM )

I, the undersigned, the duly qualified and acting Clerk of the Township Board of the Charter Township of Meridian, Ingham County, Michigan, DO HEREBY CERTIFY that the foregoing is a true and complete copy of a resolution adopted at a regular meeting of the Township Board on the 12<sup>th</sup> day of July, 2022.

\_\_\_\_\_  
Deborah Guthrie  
Township Clerk

ORDINANCE NO. 2022-10

AN ORDINANCE TO AMEND SECTION 86-439, PLANNED UNIT DEVELOPMENT, OF THE CHARTER TOWNSHIP OF MERIDIAN ZONING CODE TO UPDATE THE STANDARDS THEREIN

THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:

Section 1. Section 86-439, Planned Unit Development, is hereby amended at subsection (h) to read as follows:

(h) Amendments.

(1) [UNCHANGED]

(2) Major amendments. A major amendment shall be evidenced by having a significant impact on the permit and the conditions of its approval, which shall include, but not be limited to:

a. Building additions located outside a building envelope as shown on the approved planned unit development site plan, except decks not to exceed 10% of the square footage of the principal structure.

b. For approved planned unit developments without building envelopes, any addition that reduces the setback between buildings to a dimension less than the standard imposed in the approved planned unit development site plan.

c. The addition of land to the planned unit development for the purpose of increasing the number of residential units.

d. The addition or expansion of a nonresidential use in the planned unit development.

e. Expansion of a use that anticipates a 10% or greater increase in required off-street parking.

f. Any addition to a legal nonconforming site.

(3) [UNCHANGED]

(4) [UNCHANGED]

(5) [UNCHANGED]

Section 2. Validity and Severability. The provisions of this Ordinance are severable and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of the Ordinance.

Section 3. Repealer Clause. All ordinances or parts of ordinances in conflict therewith are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

Section 4. Savings Clause. This Ordinance does not affect rights and duties matured, penalties that were incurred, and proceedings that were begun, before its effective date.

Section 5. Effective Date. This Ordinance shall be effective seven (7) days after its publication or upon such later date as may be required under Section 402 of the Michigan Zoning Enabling Act (MCL 125.3402) after filing of a notice of intent to file a petition for a referendum.

ADOPTED by the Charter Township of Meridian Board at its regular meeting this 12th day of July, 2022.

1  
2  
3  
4  
5  
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\_\_\_\_\_  
Patrician Herring Jackson, Township Supervisor

\_\_\_\_\_  
Deborah Guthrie, Township Clerk



**To: Township Board**

**From: Timothy R. Schmitt, AICP  
Community Planning and Development Director**

**Date: July 6, 2022**

**Re: Text Amendment 2022-11 – Municipal Signage**

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Text Amendment 2022-11 is an ordinance update initiated by the Planning Commission and Planning Staff to exempt municipal signage from the regulations of the sign ordinance. A subcommittee of the Planning Commission recommended this change to the full Planning Commission, for two main reasons:

- The majority of Township signage is intended to relay a much different type of message than a traditional advertising sign. Township signs talk about special events, important properties and locations, or messaging that is attempting to reach the entirety of our residents.
- The vast majority of Township properties are zoned residential, which severely limit the amount of signage on the property, if any is permitted at all.

The Planning Commission recommended approval of this change at their June 13<sup>th</sup> meeting. The Township Board discussed this matter at their June 21<sup>st</sup> meeting and had some questions, but no major concerns. At this time, Staff would **recommend approval** of the proposed ordinance. A resolution of intent to adopt the ordinance is attached for the Township Board’s review and approval. Staff would offer the following motion for the Board to use in their deliberations.

**Move to adopt the resolution approving for introduction Zoning Amendment 2022-11 to amend the Zoning Ordinance of the Charter Township of Meridian at Section 86-696 to amend the standards for Municipal signs.**

**Attachments**

1. Resolution to approve Ordinance 2022-10 for introduction
2. Ordinance 2022-10 – Final Version



and complete copy of a resolution adopted at a regular meeting of the Township Board on the 12<sup>th</sup> day of July, 2022.

---

Deborah Guthrie  
Township Clerk

ORDINANCE NO. 2022-11

AN ORDINANCE TO AMEND THE ZONING ORDINANCE OF THE CHARTER TOWNSHIP OF MERIDIAN TO EXEMPT TOWNSHIP SIGNAGE FROM THE SIGN ORDINANCE

THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:

Section 1. Section 86-696 is hereby renamed Township Signage, is hereby amended to read as follows:

The provisions of this Article shall not apply to any sign installed by the Charter Township of Meridian on premises owned, occupied, or under the control or management of the Charter Township of Meridian.

Section 2. Validity and Severability. The provisions of this Ordinance are severable and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of the Ordinance.

Section 3. Repealer Clause. All ordinances or parts of ordinances in conflict therewith are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

Section 4. Savings Clause. This Ordinance does not affect rights and duties matured, penalties that were incurred, and proceedings that were begun, before its effective date.

Section 5. Effective Date. This Ordinance shall be effective seven (7) days after its publication or upon such later date as may be required under Section 402 of the Michigan Zoning Enabling Act (MCL 125.3402) after filing of a notice of intent to file a petition for a referendum.

ADOPTED by the Charter Township of Meridian Board at its regular meeting this XXth day of XXXXXXX, 2022.

Patricia Herring Jackson, Township Supervisor

Deborah Guthrie, Township Clerk



**To:** Board Members

**From:** Timothy R. Schmitt, *AICP*  
Director of Community Planning and Development

**Date:** July 5, 2022

**Re:** **Planned Unit Development 22-014 – 3560 Hulett Road –  
Set Public Hearing**

---

The Planning Commission and Staff have been reviewing the proposed redevelopment project for the property at 3560 Hulett Road, commonly known as the Netzloff Farm. The Planning Commission recommended approval of the proposed project at their June 27, 2022 meeting, after discussion at the previous meeting.

The proposed development would remove the majority of the structures on the site, but would retain the farmhouse, which would be sold as an individual lot in the development. Five other developable lots would be created, around a small cul-de-sac, for a total of six homes. Public sewer and water are available for the development and the site is five acres in size. The applicant is utilizing the Planned Unit Development approach to development, which allows them to create lots that are similar in size to the surrounding development to the north and east, while preserving over 50% of the project area as open space.

Planned Unit Development proposals require public hearings at both the Planning Commission and Township Board level in order to be considered. Staff has provided the following recommended motion to set the public hearing and continue to move the project forward. The matter will be back in front of the Board for discussion at the July 26<sup>th</sup> meeting.

**Move to set the public hearing for PUD 22-014, 3560 Hulett Road, Giguere Homes, for the August 4, 2022 Township Board meeting.**

#### **Attachments**

1. Application information from June 27, 2022 Planning Commission meeting

**CHARTER TOWNSHIP OF MERIDIAN  
PLANNING DIVISION  
5151 MARSH ROAD, OKEMOS, MI 48864  
PHONE: (517) 853-4560  
FAX: (517) 853-4095**

**Planned Unit Development Permit Application**

A. ~~Owner~~/Applicant JIM GIGVERE  
 Address of applicant 6200 Pine Hollow Drive STE 100 East Lansing MI 48823  
 Telephone: Work 517-339-3600 Home CELL 517-204-0818  
 Fax 517-339-7201 Email jjgiguere@giguerehomes.com

B. Applicant's Representative, Architect, Engineer or Planner responsible for request:  
 Name / Contact Person Ron Enger PE Enger Surveying and Engineering  
 Address 805 N Cedar Rd PO Box 87 Mason MI 48854-0087  
 Telephone: Work 517-676-6565 Home \_\_\_\_\_  
 Fax 517-676-6675 Email engersurveying@yahoo.com

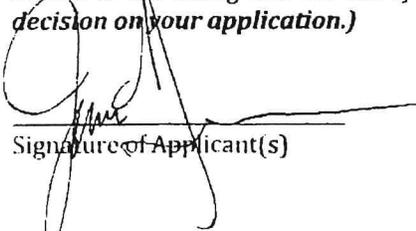
C. Site address/location 3560 Hulett Road Okemos Michigan  
 Legal description (Attach additional sheets if necessary) ATTACHED  
 Parcel number 33-02-02-32-400-012 Site acreage 5.0 ACRES

D. Date of preapplication conference with Director of Community Planning and Development \_\_\_\_\_  
 Total acres of property 5.00 ACRES  
 Acres in floodplain 0.0 ACRES Percent of total 0%  
 Acres in wetland not in floodplain 0.55 (SEE NURE) Percent of total 11%  
 Total dwelling units 6  
 Total units/acre 1.2

Dwelling unit mix  
 Number single family detached 6 for Rent Condo  
 Number duplex 0 for Rent Condo  
 Number townhouse 0 for Rent Condo  
 Number garden apt. style 0 for Rent Condo  
 Number other 0 for Rent Condo  
 Will commercial be included? (circle one) yes no acres \_\_\_\_\_  
 Will all or part of property be platted? (circle one) yes no  
 Percent open space provide exclusive of wetland/floodplain 8%

NOTE:  
 WETLAND AREA  
 APPROXIMATED  
 FROM FILM  
 MAP ON EGLE  
 WEBSITE, NOT  
 YET DELINEATED  
 OR DETERMINED  
 BY CONSULTANT,  
 MARK WETLAND

*I (we) hereby grant permission for member of the Charter Township of Meridian Planning Commission, Township staff members and the Township's representatives or experts the right to enter onto the above described property (or as described in the attached information) in my (our) absence for the purpose of gathering information including but not limited to the taking and the use of photographs. (Note to Applicant(s): This is optional and will not affect any decision on your application.)*

  
 \_\_\_\_\_  
 Signature of Applicant(s)

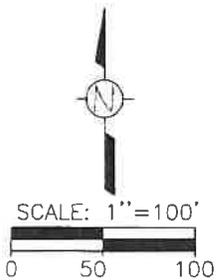
3/10/2022  
 \_\_\_\_\_  
 Date

\_\_\_\_\_  
 Signature of Applicant(s)

\_\_\_\_\_  
 Date

1 214

# 3560 HULETT ROAD SITE PLAN



SCHOOL DRIVEWAY

LUPINE DRIVE

GROSS AREA	5.00 AC	217,796 SFT
AREA IN 45' FOR HULETT ROAD	0.48 AC	21,014 SFT
AREA IN NEW STREET	0.55 AC	24,119 SFT
PROJECT AREA ALLOWED FOR DENSITY DETERMINATION		172,663 SFT
AREA IN WETLAND AND PAXTON POND	0.51 AC	22,359 SFT
		150,304 SFT

AREA IN PARCELS A THRU F	1.59 AC	69,466 SFT
AREA IN OPEN SPACE SHOWN	2.37 AC	103,198 SFT



85' SET BACK

THE COMMON OPEN SPACE WILL HAVE TO BE RECORDED IN THE COUNTY REGISTER OF DEEDS AS RESERVED OR DEDICATED BY MEANS OF A RESTRICTIVE CONVENANT AFTER THE FINAL SITE PLAN IS APPROVED



OPEN SPACE

WETLAND LIMIT DETERMINED BY MARX WETLAND LLC APRIL 2022



PUD PLAN  
APPLICANT: JIM GIGUERE

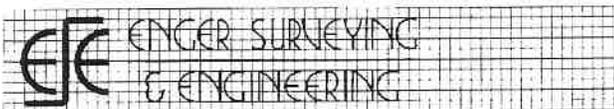
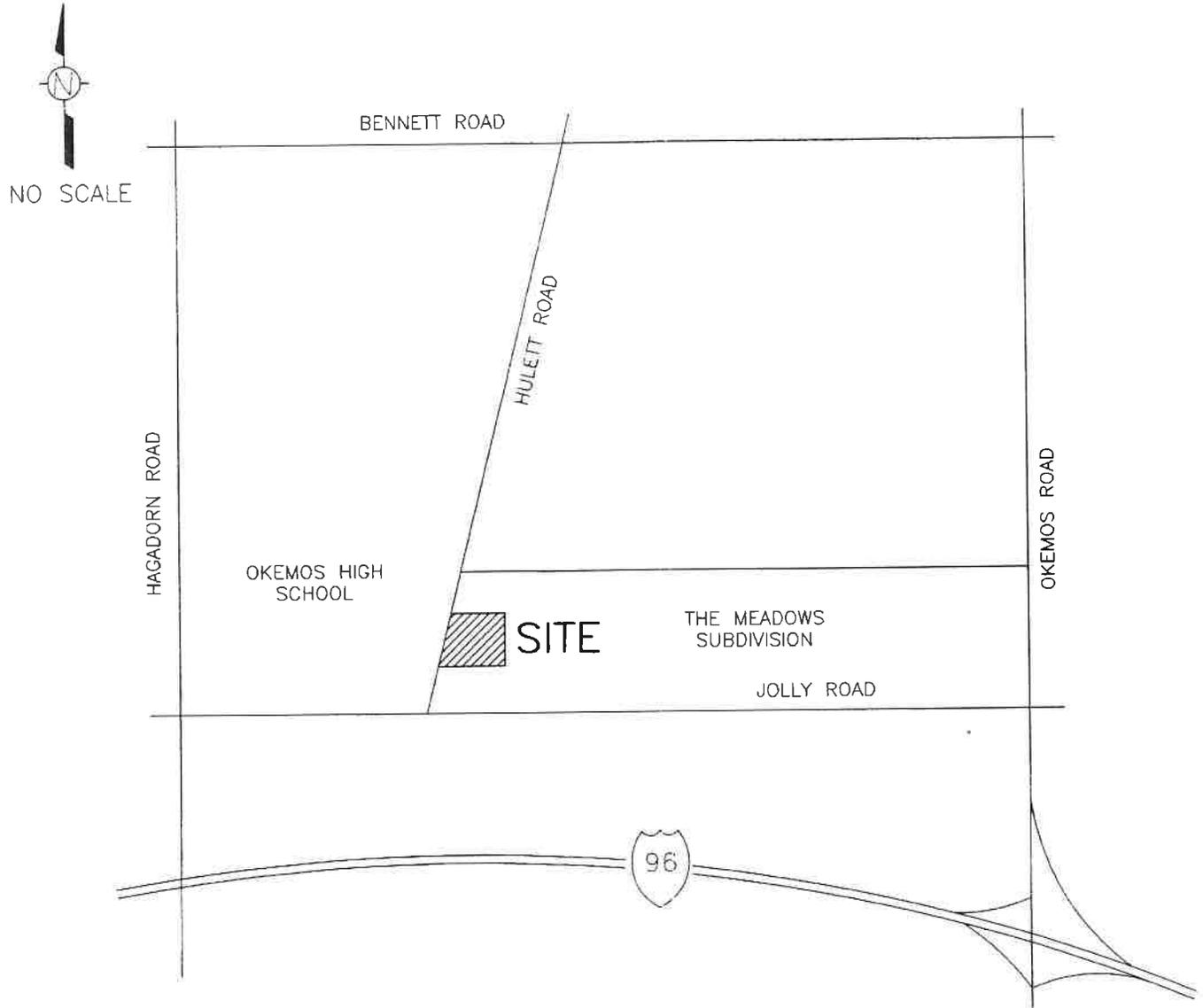
SHEET 3 OF 9

805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

REVISED 6 JUNE 2022  
ESE JOB 33-3442

2

# 3560 HULETT ROAD SITE VICINITY MAP



805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

PUD PLAN  
APPLICANT: JIM GIGUERE  
3560 HULETT ROAD  
SITE VICINITY MAP  
REVISED JUNE 6, 2022

SHEET 1 OF 9

2

# 3560 HULETT ROAD LEGAL DESCRIPTION

AccessMyGov.com is now bsaonline.com. Please change your bookmarks and website links.

**3560 HULETT RD** OKEMOS, MI 48864 (Property Address)

Parcel Number: 33-02-02-32-400-012



Item 1 of 22 14 Images / 8 Sketches

**Property Owner:** NETZLOFF, RICHARD & LINDA TRUST

**Summary Information**

> Residential Building Summary

- Year Built: 1870
- Full Baths: 2
- Sq. Feet: 2,220
- Bedrooms: 4
- Half Bath: 0
- Acres: 5.000

> Assessed Value: \$137,000 | Taxable Value: \$106,185

> Property Tax information found

Access additional record information for a small convenience fee. \*

> Additional areas of information include: *Delinquent Tax Information*

Show Purchase Options

Additional record information is free for all homeowners. Click the 'Show Purchase Options' button for more information.

### Owner and Taxpayer Information

<b>Owner</b>	NETZLOFF, RICHARD & LINDA TRUST 3560 HULETT RD OKEMOS, MI 48864	<b>Taxpayer</b>	SEE OWNER INFORMATION
--------------	---	-----------------	-----------------------

### Land Information

<b>Zoning Code</b>	RA	<b>Total Acres</b>	5.000
<b>Land Value</b>	\$105,600	<b>Land Improvements</b>	\$0
<b>Renaissance Zone</b>	No	<b>Renaissance Zone Expiration Date</b>	No Data to Display
<b>ECF Neighborhood</b>	4000 RESIDENTIAL U	<b>Mortgage Code</b>	No Data to Display
<b>Lot Dimensions/Comments</b>	No Data to Display	<b>Neighborhood Enterprise Zone</b>	No

Lot(s)	Frontage	Depth
No lots found.		
<b>Total Frontage: 0.00 ft</b>		<b>Average Depth: 0.00 ft</b>

### Legal Description

COM @ THE S 1/4 CORNER OF SEC 32 -TH S89 DEG 35'11"W ALONG S LINE OF SEC 32 179.64 FT TO C/L HULETT RD -N 14 DEG 17'10"E ALONG SD C/L 463.69 FT TO THE P.O.B. -N 14 DEG 17'10"E 467 FT -N89 DEG 35'11"E 422.91 FT -S 00 DEG 24'49"E 457.71 FT -S 89 DEG 35'11"W 541.41 FT TO THE P.O.B. SEC 32 T4N,R1W 5 AC M/L

**\*\*Disclaimer:** BS&A Software provides BS&A Online as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.



805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

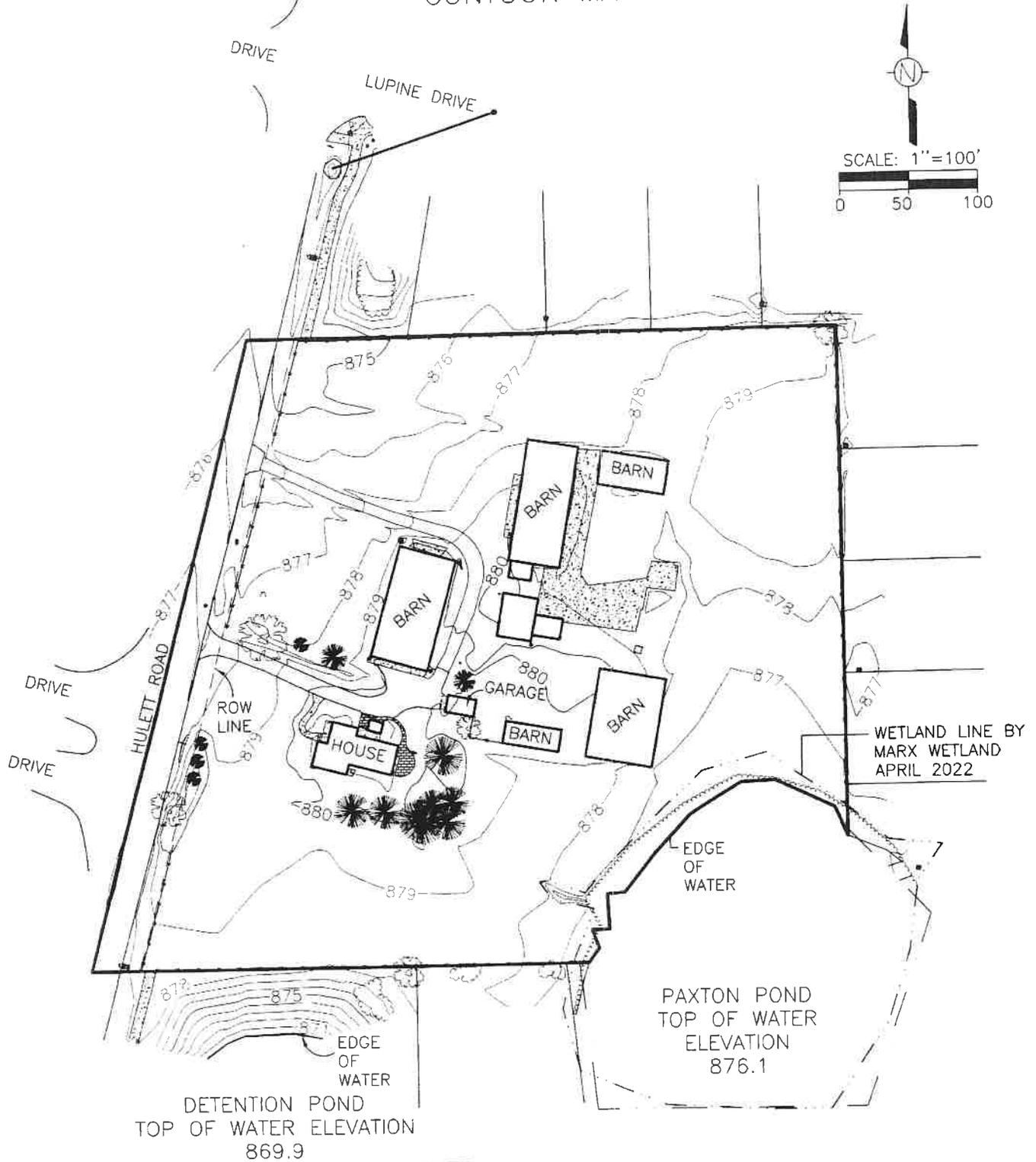
PUD PLAN  
APPLICANT: JIM GIGUERE

SHEET 2 OF 9

6 JUNE 2022  
ESE 33-3442

3 A

# 3560 HULETT ROAD CONTOUR MAP



PUD PLAN  
APPLICANT: JIM GIGUERE

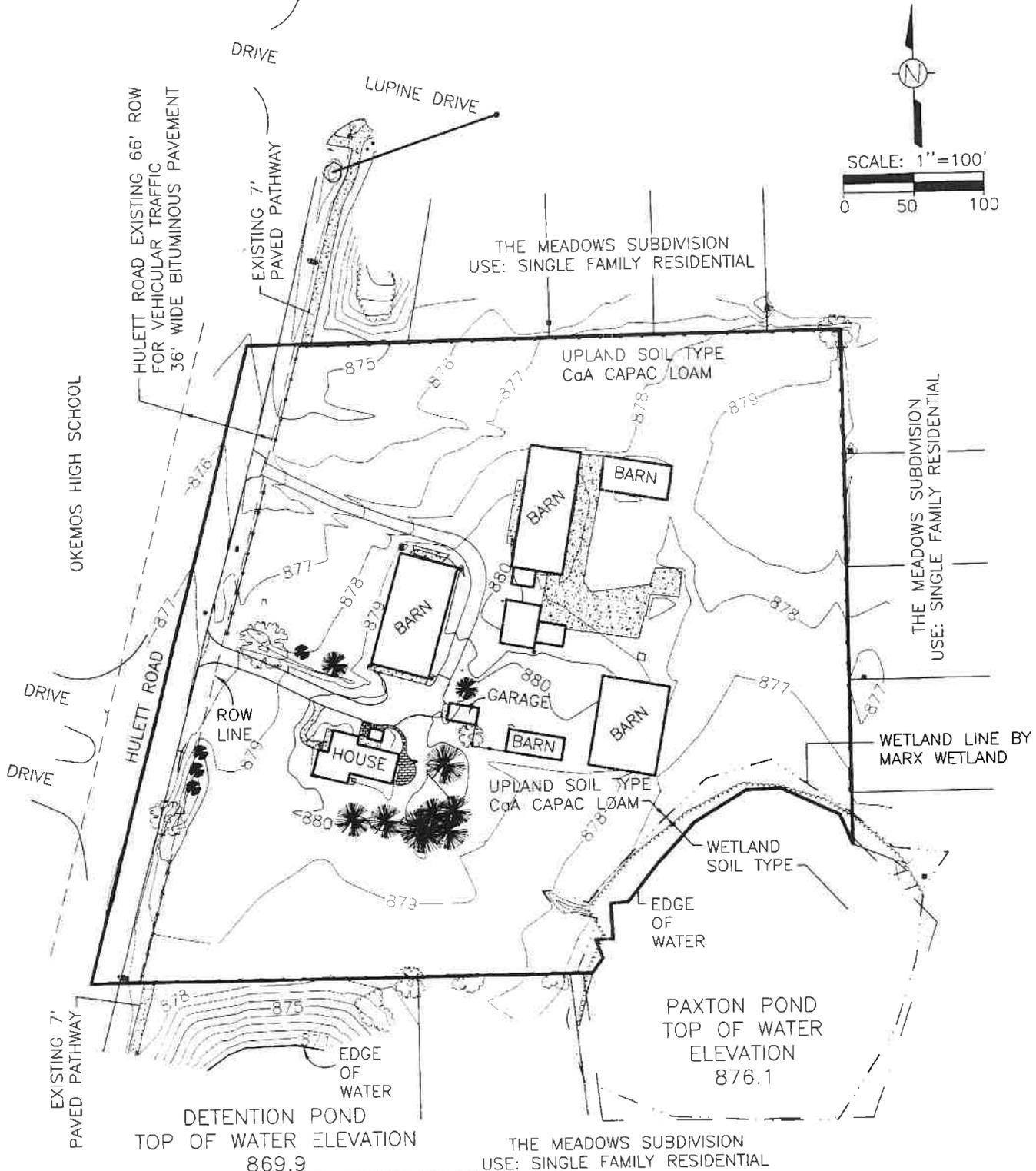
SHEET 4 OF 9

805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

1 JUNE 2022

3b

# 3560 HULETT ROAD SITE ANALYSIS



**EJE** ENGER SURVEYING  
& ENGINEERING

805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

THE MEADOWS SUBDIVISION  
USE: SINGLE FAMILY RESIDENTIAL

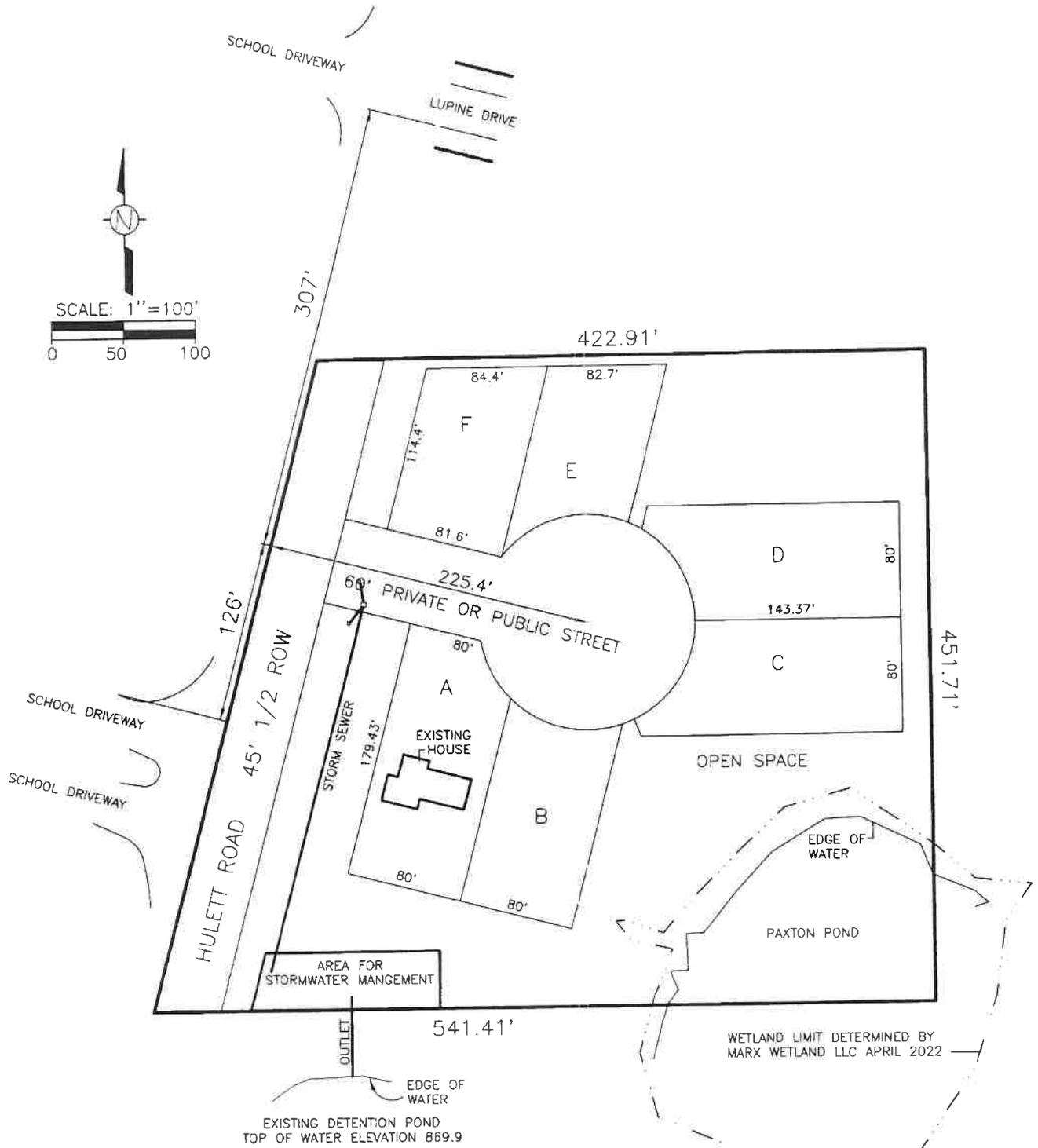
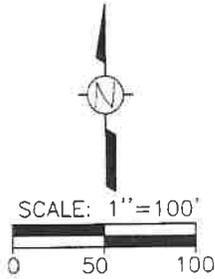
PUD PLAN  
APPLICANT: JIM GIGUERE

1 JUNE 2022

SHEET 5 OF 9

3c

# 3560 HULETT ROAD SCHEMATIC STORM SEWER LAYOUT



805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

PUD PLAN  
APPLICANT: JIM GIGUERE

6 JUNE 2022  
ESE 33-3442

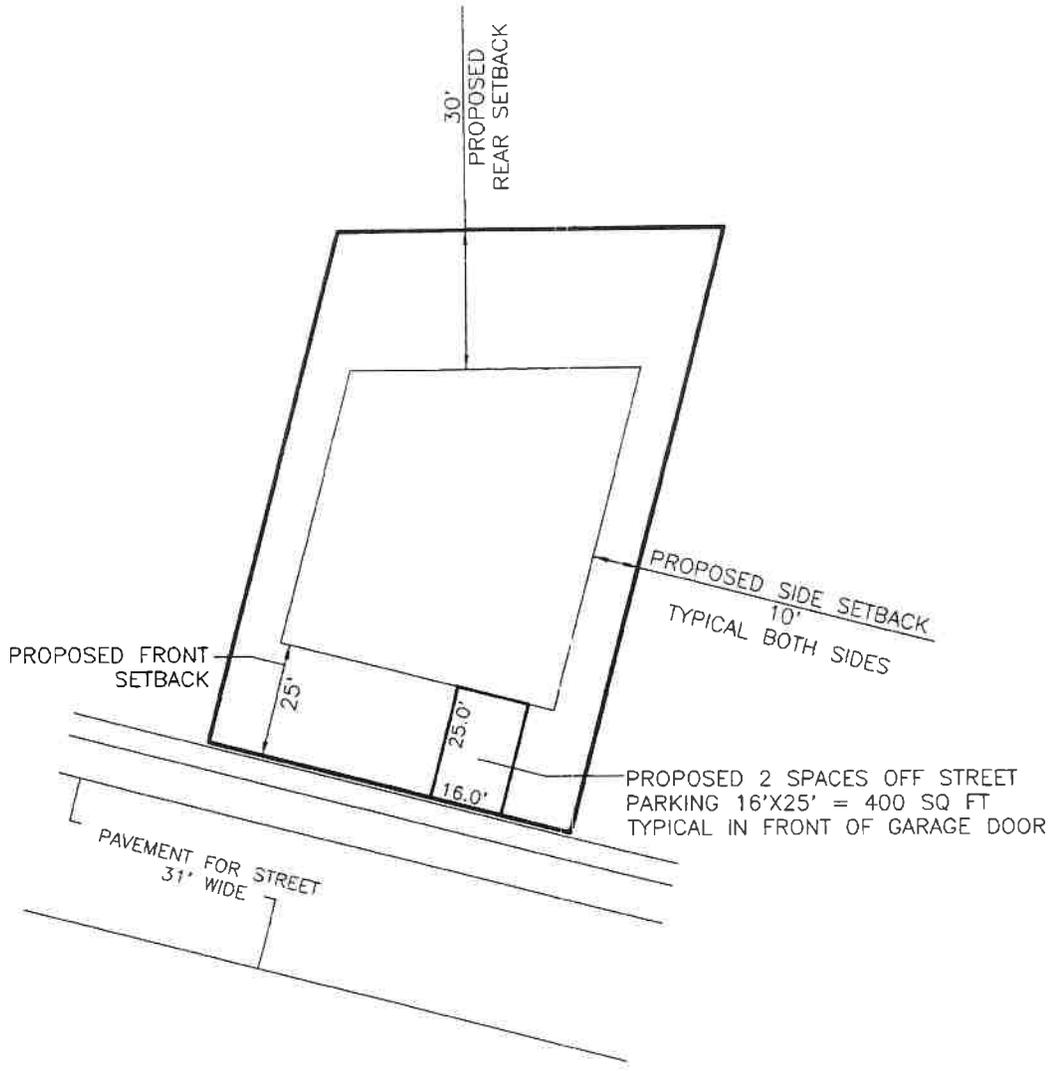
SHEET 6 OF 9

3 (d)



4 25

# 3560 HULETT ROAD TYPICAL SETBACKS AND OFFSTREET PARKING PLAN



805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

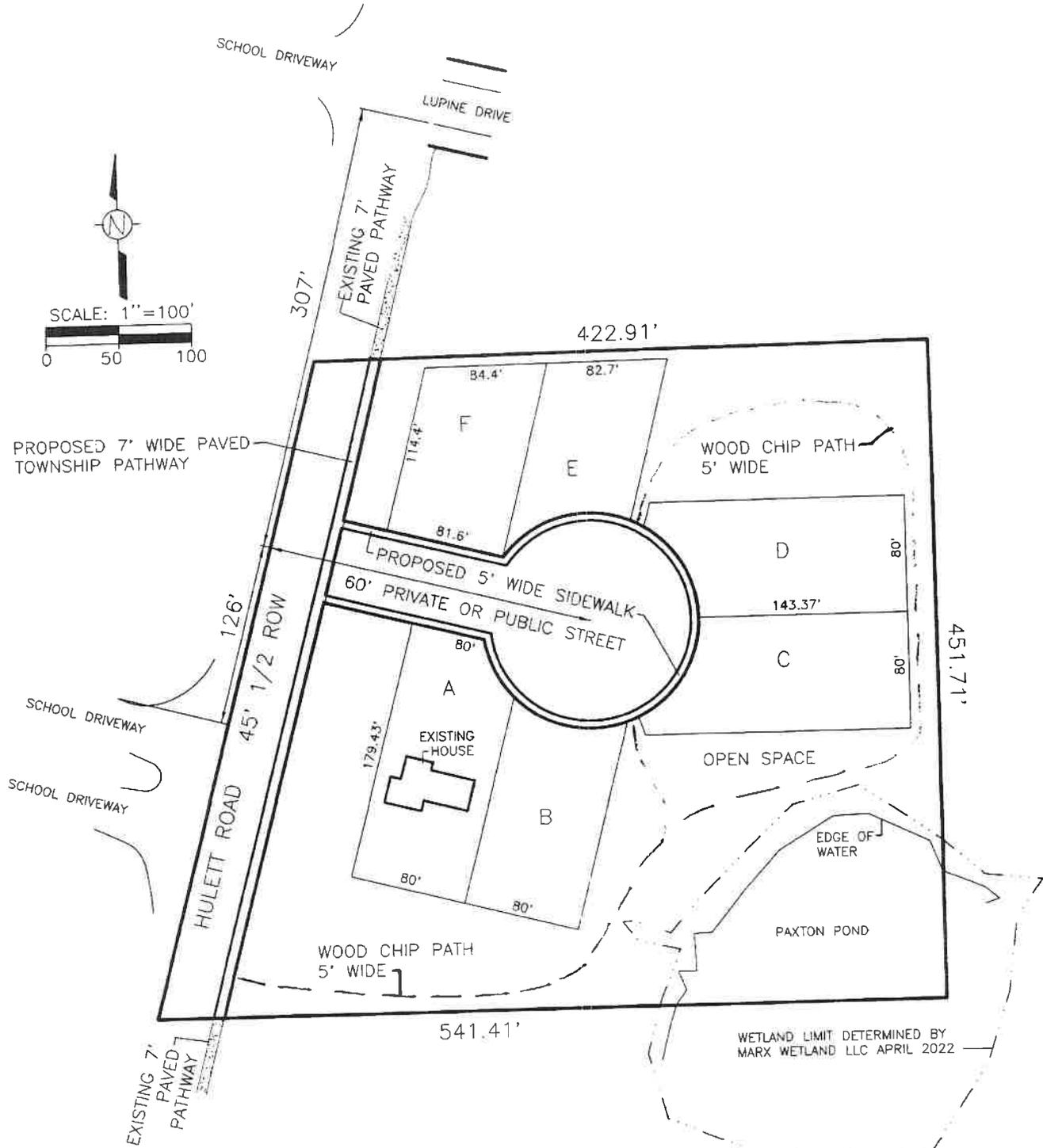
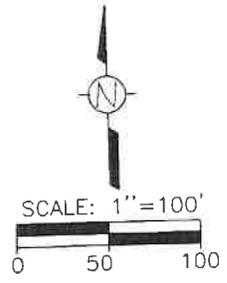
PUD PLAN  
APPLICANT: JIM GIGUERE

6 JUNE 2022  
ESE 33-3442

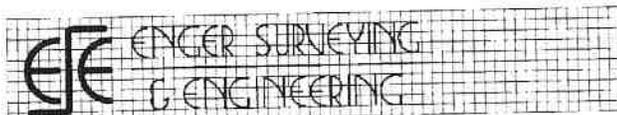
SHEET 7 OF 9

6

# 3560 HULETT ROAD WALK AND PATH PLAN



WETLAND LIMIT DETERMINED BY  
MARX WETLAND LLC APRIL 2022



805 N. CEDAR PO BOX 87  
 MASON, MICHIGAN 48854-0087  
 517-676-6565

PUD PLAN  
 APPLICANT: JIM GIGUERE

REVISED 6 JUNE 2022  
 ESE JOB 33-3442

SHEET 8 OF 9

7

**RE: Giguere's PUD Proposed at 3560 Hulett Road - Capacity for sanitary sewer and water to serve**

engersurveying@.../Inbox

**Y** Younes Ishraidi <ishraidi@meridian.mi.us>  
To: 'Ron Enger' <engersurveying@yahoo.com>

Jun 7 at 1:39 PM

Ron,

Both the existing water and sanitary systems in the vicinity of the subject location have adequate capacity to properly service the proposed development consisting of 5 single family homes.

Let me know if you need other information regarding this matter.

Sincerely,

Younes Ishraidi, PE  
Chief Engineer  
[ishraidi@meridian.mi.us](mailto:ishraidi@meridian.mi.us)  
W 517.853.4460 | F 517.853.4095  
5151 Marsh Road | Okemos, MI 48864  
meridian.mi.us

-----Original Message-----

From: Ron Enger <[engersurveying@yahoo.com](mailto:engersurveying@yahoo.com)>  
Sent: Tuesday, June 7, 2022 10:58 AM  
To: Younes Ishraidi <[ishraidi@meridian.mi.us](mailto:ishraidi@meridian.mi.us)>  
Subject: Giguere's PUD Proposed at 3560 Hulett Road - Capacity for sanitary sewer and water to serve

Younes

I need to demonstrate to the township Planning Department that adequate capacity for Sanitary Sewer and Water exists for Jim's proposed 5 new single family houses and the one existing single family house, so 6 total single family homes.

Do you agree that the existing Water Main that crosses the property along its Hulett Road frontage has capacity to serve the proposed development?

Do you agree that the existing Sanitary Sewer the terminates at a Manhole at the intersection of Lupine Drive and Hulett Road, about 175 feet north of the PUD site, has capacity to serve the proposed development? The sewer pipe is 11.7 feet deep in that manhole.

If you reply to this email that you agree to the statements above, we will have addressed the relevant requirement in the PUD part of the Ordinance.

Thanks alot.

Ron Enger



## Jim Giguere

---

**From:** Angelica Cosman <ACosman@ingham.org>  
**Sent:** Tuesday, June 7, 2022 1:13 PM  
**To:** Tim Schmitt  
**Cc:** Carla Clos; Jim Giguere; Ron Enger  
**Subject:** [External]3560 Hulett Road  
**Attachments:** Screen Shot 2022-06-07 at 9.01.54 AM.png

Good Afternoon Mr. Schmitt,

Our office has been contacted by Mr. Jim Giguere and Mr. Ron Enger requesting us to provide Meridian Township information on potential storm water outlet(s) for 3650 Hulett Rd, Parcel # 33-02-02-32-400-012, a parcel that Mr. Giguere is proposing for a Planned Unit Development. While this proposed Planned Unit Development has not yet been submitted to this Office for review, we are happy to offer this information as a courtesy to Meridian Township. It should not be construed by the project owner, developer or others as formal submission to the Ingham County Drain Commissioner for site plan or drainage review, or for representing these potential storm water outlets have been reviewed for adequate capacity or the legal authorization for discharge.

Attached is a screen shot from our GIS showing the parcel and a number of storm water facilities that are operated by public entities, potentially meeting ICDC's requirement for a positive public outlet for storm water discharge. Within the Hulett Rd right-of-way, the Ingham County Road Department operates a storm sewer that connects to Herron Creek Drain through the Jolly Road storm sewer (shown as the pink dashed line on the attachment).

In addition, there are multiple potential outlets available discharging to the Meadows Drain (shown as purple and blue dashed line on the attachment). The Meadows Drain is a county drain under the jurisdiction of Ingham County Drain Commissioner. The Meadows Drain outlets to the same Jolly Road storm sewer referenced above (shown as the pink dashed line on the attachment) and discharges to the Herron Creek Drain, also a county drain.

None of the potential outlets are located on Mr. Giguere property, but with proper agency approvals and/or landowner easements could meet the ICDC requirement for positive public outlet for stormwater discharge, assuming engineering review shows adequate capacity and design.

If I can be any further assistance to Meridian Township in this review or any other , please do not hesitate to contact me.

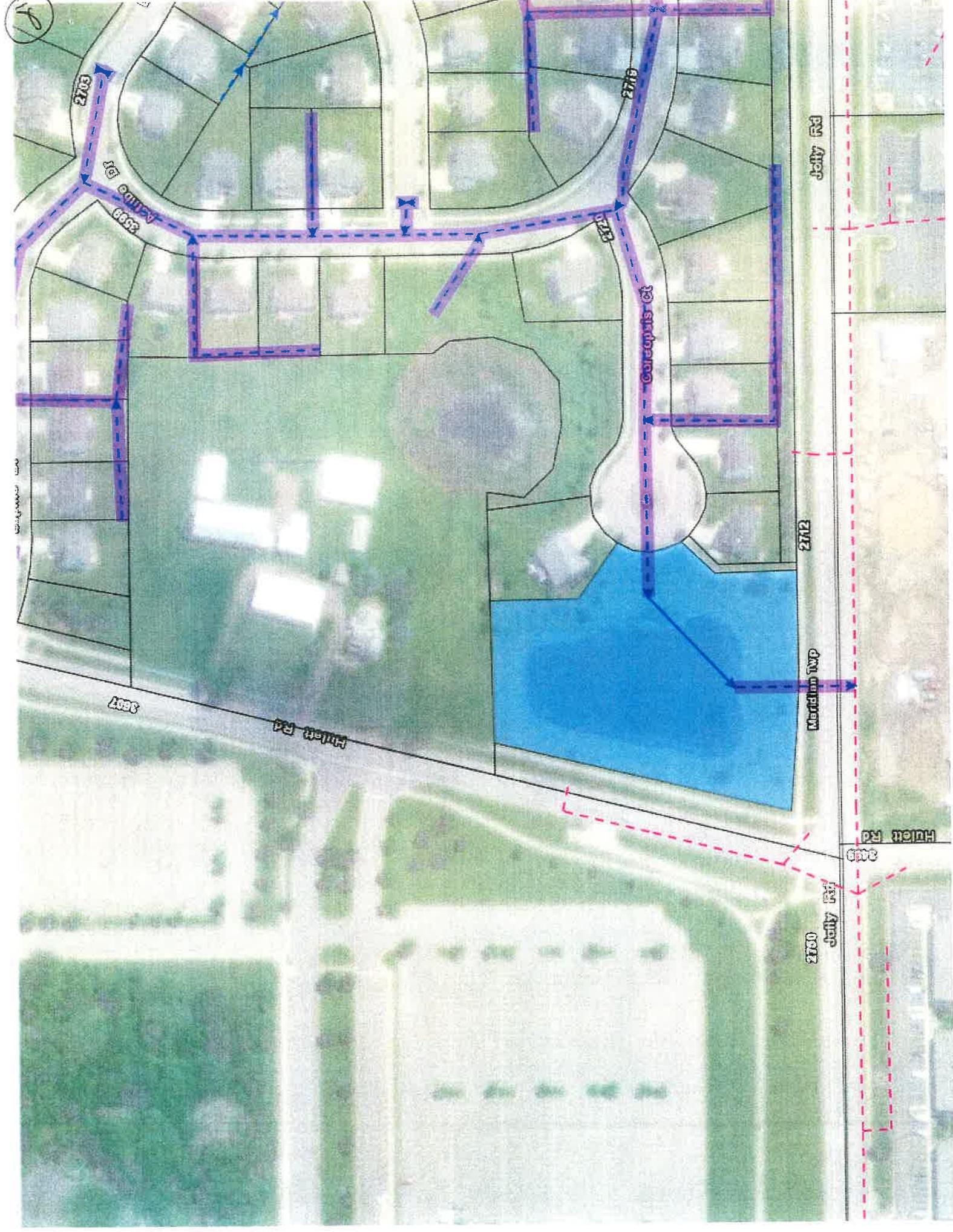
Respectfully yours,

**ANGIE COSMAN**

Drain Engineer  
Ingham County Drain Commissioner's Office



Ph: 517-676-8317



9

**Jim Giguere**

---

**From:** Kelly Jones <KJones2@ingham.org>  
**Sent:** Tuesday, March 8, 2022 3:21 PM  
**To:** Jim Giguere  
**Cc:** Ron Enger; Mark Swanson; Kellie Knauff  
**Subject:** [External]RE: [External]Netzloff Property - Land Division Concept C - Drive Spacing ..  
Drive Detail  
**Attachments:** Hulett Rd Driveway Detail.pdf; Hulett Rd Concept C.pdf

Jim,

The parcel in question, outlined in red below, is directly across from Okemos High School. There is an existing traffic issue on Hulett Rd before and after school, for which we have worked with the school to try to minimize, but it remains an issue. Based on this condition, we will not allow multiple driveways from this parcel onto Hulett Road. We would be willing to consider a single driveway entrance located approximately halfway between the southern school driveway and Lupine Drive. Potential access may be obtained from the Astilbe Dr & Hyacinth St intersection inside the Meadows Subdivision, but that may be difficult to achieve.

If your intent is to subdivide this parcel, you would only be granted a single entrance, which would then require a private road to access the individual properties, terminating in a cul-de-sac.

Details related to the cul-de-sac sizing, sight distance, offsets, and various other ICRD requirements are available at the following links:

<https://docs.ingham.org/Department/Road%20Dpt/permits/Rules,%20Standards%20and%20Procedures%20for%20Driveways,%20Banners%20and%20Parades.pdf>

<https://docs.ingham.org/Department/Road%20Dpt/permits/Procedures%20and%20Guidelines%20for%20Developing%20Public%20Roads.pdf>

9

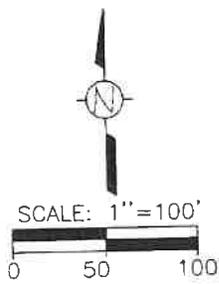


Thanks,  
Kelly R. Jones, PE

Managing Director  
Director of Engineering & County Highway Engineer  
Ingham County Road Department  
301 Bush Street, PO Box 38  
Mason, MI 48854  
kjones2@ingham.org  
(517) 676-9722 x 2336  
Website: roads.ingham.org

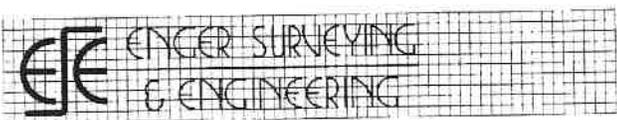
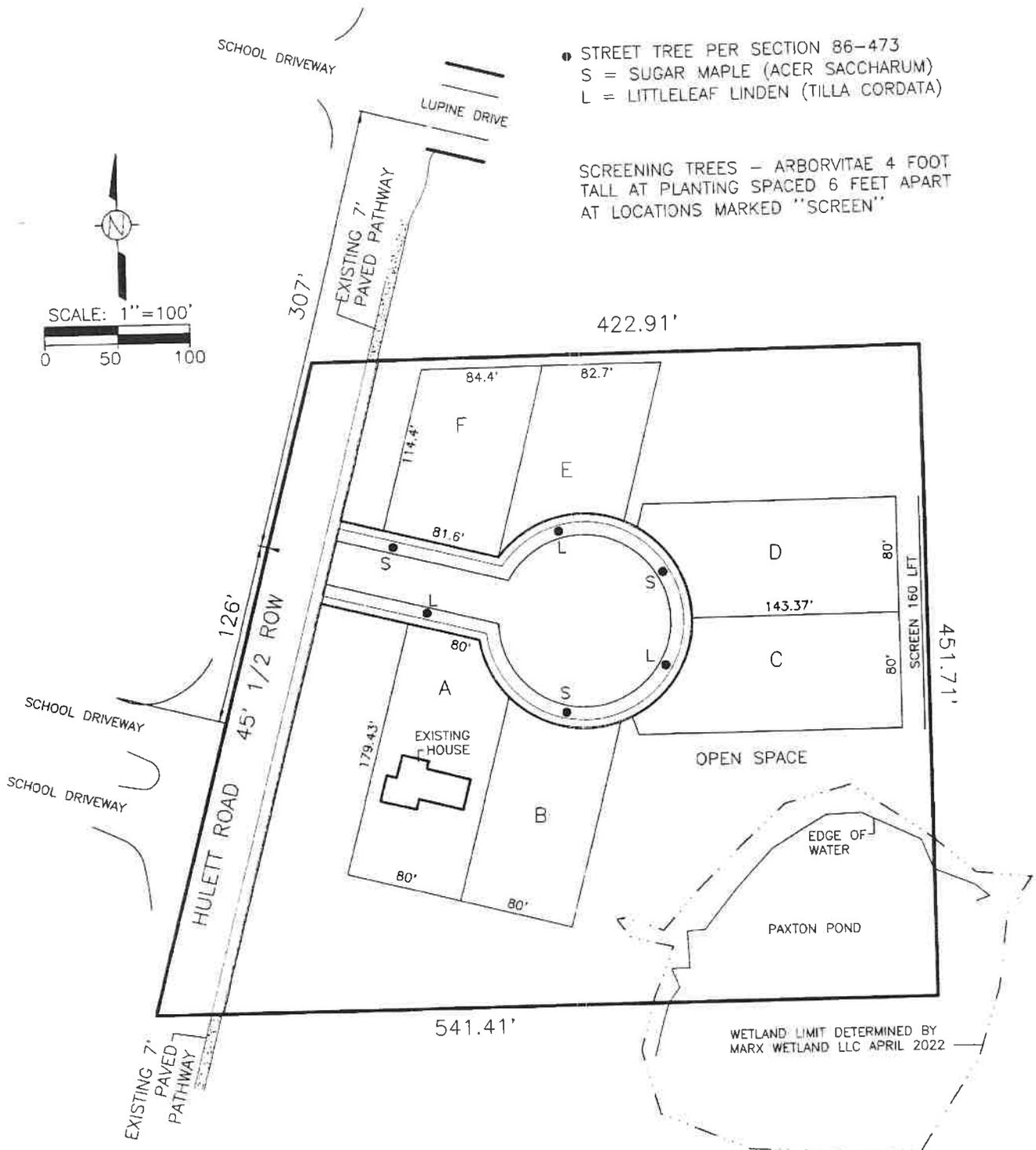
10 & 11 (12) 13

# 3560 HULETT ROAD STREET TREE AND SCREENING PLAN



- STREET TREE PER SECTION 86-473
- S = SUGAR MAPLE (ACER SACCHARUM)
- L = LITTLELEAF LINDEN (TILLA CORDATA)

SCREENING TREES - ARBORVITAE 4 FOOT TALL AT PLANTING SPACED 6 FEET APART AT LOCATIONS MARKED "SCREEN"



805 N. CEDAR PO BOX 87  
MASON, MICHIGAN 48854-0087  
517-676-6565

PUD PLAN  
APPLICANT: JIM GIGUERE

REVISED 6 JUNE 2022  
ESE JOB 33-3442

SHEET 9 OF 9

June 15, 2022  
Project No. 220942

Keith Chapman  
Charter Township of Meridian  
5151 Marsh Road  
Okemos, MI 48864 1198

**Wetland Boundary Verification – WDV 22-03**  
**Parcel No. 33-02-02-32-400-012**  
**Meridian Township, Ingham County, Michigan**

Dear Keith:

On June 2, 2021, Fishbeck staff conducted a field investigation and verified the wetland boundary for a depressional wetland located at 3560 Hulett Road in Okemos (Parcel Number 33-02-02-32-400-012) (the Site). The Site is located in Section 32 of Meridian Township (Town 4 North, Range 1 West). The Township wetland map identifies Wetland 32-41, a 2.07-acre, emergent/scrub-shrub/open water wetland complex at the approximate location of the delineated wetland.

The Site wetland was delineated by Marx Wetlands (Marx), as described in its May 3, 2022, report entitled *Wetland Evaluation Report: 3560 Hulett Road, Meridian Township, Ingham County, Michigan* (Report). The Report contained a Wetland Delineation Map that noted wetland boundary flags A.1 through A.22 (see attached). The wetland extended onto the adjacent property east and south of the Site.

## Site Investigation

The delineated wetland had a distinct boundary where cattail marsh abruptly transitioned to upland, old field species. A catch basin at the east end of the wetland appears to control water levels in the wetland and discharge stormwater to the local storm sewer. Google Earth aerial imagery indicates the wetland predates adjacent residential development and was not constructed as a stormwater basin. In March 2005, the surrounding area contained agricultural fields and the wetland had the same approximate size as its current configuration.

Fishbeck staff observed most of the wetland boundary flags noted on Marx's Wetland Delineation Map. The flags were accurately placed, with one exception: Flag A.17 was approximately 10 feet upgradient from the apparent wetland boundary, based upon the observed plant community. Five wetland boundary flags were missing: A.3, A.6, A.15, A.18, and A.22. The relative location of these flags, as noted on the Wetland Delineation Map, was consistent with the wetland boundary as observed by Fishbeck staff.

## Regulatory Review

According to Michigan's Natural Resources and Environmental Protection Act (NREPA), Act 451, Section 30301(d), wetlands "contiguous to the Great Lakes or Lake St. Clair, an inland lake or pond, or a river or stream" or "more than 5 acres in size" are regulated by the State of Michigan. In addition, the Township regulates wetlands greater than two acres in size which are not contiguous to a water body and wetlands between 0.25 acre and two acres in size that are determined to be essential to the preservation of the natural resources of the Township.

The Report's Wetland Delineation Map indicates the Site's wetland is approximately 0.95 acre in size. It is located approximately 175 feet northeast of a one-acre stormwater pond. Because the stormwater pond contains one acre of permanent open water, the Site's wetland is contiguous to a regulated water body and is regulated by both the State of Michigan and the Township.

A Wetland Use Permit (WUP) is required from the Township for any of the following activities within wetlands regulated by the Township:

- Placing fill or permitting the placement of fill in regulated wetland.
- Dredging, removing, or permitting the removal of soil or minerals from regulated wetland.
- Constructing, operating, or maintaining any use or development in regulated wetland.
- Draining surface water from regulated wetland.

In addition, the Township requires that all structures and grading activities during site development shall be set back 40 feet from the delineated wetland boundary and a natural vegetation strip shall be maintained within 20 feet of the wetland boundary.

If you have any questions regarding this letter or any other wetland-related issues, please contact me at 616.464.3738 or [ehtripp@fishbeck.com](mailto:ehtripp@fishbeck.com).

Sincerely,



**Elise Hansen Tripp, PWS**

Senior Wetland Scientist

By email

Attachment

copy: Tim Schmitt– Charter Township of Meridian



- 1-Barn
- 2-Covered area in barnyard
- 3-milk house
- 4-grainery trailer
- 5-shed (open)
- 6-shed for tractors
- 7-calf barn
- 8-garage (car)
- 9-shed for tractors & combines
- 10-house
- 11-well house

COLDWELL BANKER  
HUBBELL BRIARWOOD

Brokered by: Coldwell Banker Hubbell BriarWood - Okemos



3 / 65



Veterans: How much home can you afford? | Get a great mortgage rate in 3 simple steps



**To: Board Members**

**From: Ken Plaga, Chief of Police**

**Date: July 8, 2022**

**Re: Police Department Ordinance Amendments and Additions**

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The Police Department is requesting the Township Board consider amending two ordinances: Trespass and Disturbing the Peace. Also, the Department suggests the addition of four new crimes to the list of crimes enforceable under Township ordinance. They include Defrauding an Innkeeper, Breaking and Entering, Receiving and Concealing Stolen Property and Inhalation or Consumption of Chemical Agent.

All of the listed ordinances are permitted for adoption by Meridian Township under the Charter Township Act, MCL 42.1, et seq. All of the proposed new ordinances and proposed amendments to the existing ordinances are currently enforced by Meridian Police under state law, so there will not be any added cost for police enforcement of the same. Also, these ordinances would all be found in Chapter 50 of the Township ordinances. Chapter 50, in its entirety, was included under the most recent township prosecutor contract, so there is no additional cost to the Township for local prosecution of these amended and new ordinances. Finally, the adoption of these ordinances will allow the Township to receive one third of the fines and costs resulting from pleas and convictions for the enforcement of these ordinances.

**50-31: Trespass:**

This ordinance amends the existing ordinance. A person who violates this section is guilty of a misdemeanor punishable by imprisonment for up to 30 days, a fine of not more than \$250.00, or both.

**50-35: Defrauding an Innkeeper:**

This is a new ordinance. It effectively mirrors the relevant portion of the state statute. It prohibits individuals from putting up at any hotel, motel, inn, restaurant or cafe as a guest and procure any food, entertainment or accommodation without paying therefor, except when credit is given therefor by express agreement, with intent to defraud such keeper thereof out of the pay for the same, or, who, with intent to defraud such keeper out of the pay therefor, obtains credit at any hotel, motel, inn, restaurant or cafe for such food, entertainment or accommodation, by means of any false show of baggage or effects brought thereto.

**50-36: Breaking and Entering or Entering Without Breaking:**

This is a new ordinance. It effectively mirrors the relevant portion of the state statute. It prohibits individuals from breaking and entering or entering without breaking, any dwelling, house, tent, hotel, office, store, shop, warehouse, barn, granary, factory or other building, boat, ship, railroad car or structure used or kept for public or private use, or any private apartment therein, or any cottage, clubhouse, boat house, hunting or fishing lodge, garage or the out-buildings belonging thereto, any ice shanty with a value of \$100.00 or more, or any other structure, whether occupied or unoccupied, without first obtaining permission to enter from the owner or occupant, agent, or person having immediate control thereof.

**50-37: Receiving and Concealing Stolen Property:**

This is a new ordinance. It effectively mirrors the relevant portion of the state statute. It prohibits individuals from buying, receiving, possessing, concealing, or aiding in the concealment of stolen, embezzled, or converted money, goods, or property knowing, or having reason to know or reason to believe, that the money, goods, or property is stolen, embezzled, or converted.

**50-81: Disturbing the Peace:**

This ordinance amends the existing ordinance. It effectively mirrors the relevant portion of the state statute. It prohibits a person from intentionally engaging in the following acts in a public place or any private place without the permission of the owner of the private place:

- (1) Conduct that threatens public safety;
- (2) Threatening violence to other persons;
- (3) Disrupting the peace and quiet of other persons present;
- (4) Interfering with the ability of other persons to perform legal actions or duties;

**50-118: Inhalation or Consumption of Chemical Agent:**

This is a new ordinance. It effectively mirrors the relevant portion of the state statute. It simply prohibits an individual, for the purpose of causing a condition of intoxication, euphoria, excitement, exhilaration, stupefaction or dulling of the senses or nervous system, intentionally smell or inhale the fumes of any chemical agent or intentionally drink, eat or otherwise introduce any chemical agent into his or her respiratory or circulatory system. This shall not prohibit the inhalation of any anesthesia for medical or dental purposes.

**MOVE TO APPROVE THE INTRODUCTION OF THE AMENDMENTS TO CHAPTER 50 OF THE CODE OF ORDINANCES TO AMEND TRESPASS, AND DISTURBING THE PEACE AND ADD DEFRAUDING AN INNKEEPER, BREAKING AND ENTERING, RECEIVING AND CONCEALING STOLEN PROPERTY AND INHALATION OR CONSUMPTION OF CHEMICAL AGENT.**

Attachment:

- 1. Revised Ordinance

## **ORDINANCE NO. 2022-13**

ORDINANCE AMENDING THE CODE OF THE CHARTER TOWNSHIP OF MERIDIAN, MICHIGAN CHAPTER 50, ARTICLE II, BY AMENDING SECTION 50-31, ADDING SECTION 50-35, SECTION 50-36, AND SECTION 50-37, AND ARTICLE IV, BY AMENDING SECTION 50-81, AND ARTICLE V, BY ADDING SECTION 50-118

### **THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:**

Section 1.

**A. Amendment to Chapter 50, Article II, by amending Section 31, entitled Trespass, which shall read as follows:**

**50-31: Trespass**

- (a) It shall be unlawful for any person to knowingly or recklessly enter upon public or private premises without lawful authority after having been prohibited from doing so by the owner or occupant thereof or the agent or servant of such owner or occupant or by a police officer while on duty or to remain upon public or private premises after being notified to depart therefrom by the owner or occupant thereof or the agent or servant of either or by a police officer while on duty.
- (b) A person who violates this section is guilty of a misdemeanor punishable by imprisonment for up to 30 days, a fine of not more than \$250.00, or both.

State Law Reference: MCL 750.552

**B. Addition to Chapter 50, Article II, by creating Section 35, entitled Defrauding an Innkeeper, which shall read as follows:**

**50-35: Defrauding an Innkeeper**

- (a) No person shall put up at any hotel, motel, inn, restaurant or cafe as a guest and procure any food, entertainment or accommodation without paying therefor, except when credit is given therefor by express agreement, with intent to defraud such keeper thereof out of the pay for the same, or, who, with intent to defraud such keeper out of the pay therefor, obtains credit at any hotel, motel, inn, restaurant or cafe for such food, entertainment or accommodation, by means of any false show of baggage or effects brought thereto.
- (b) Obtaining such food, lodging, or accommodation by false pretense, or by false or fictitious show of baggage or other property, or refusal or neglect to pay therefore on demand, or payment thereof with check, draft order upon a bank or other depository on which payment was refused, or absconding without paying or

offering to pay therefore, or surreptitiously removing or attempting to remove baggage, shall be prima facie evidence of such intent to defraud.

- (c) A violation of this section is a misdemeanor punishable by up to 90 days in jail, a fine of not more than \$500.00, or both.
- (d) No conviction shall be had under the provisions of this section unless a complaint is made within 60 days of the time of the violation.

State Law Reference: MCL 750.292, MCL 750.293

**C. Addition to Chapter 50, Article II, by creating Section 36, entitled Breaking and Entering or Entering Without Breaking, which shall read as follows:**

**50-36: Breaking and Entering or Entering Without Breaking**

- (a) No person shall break and enter or enter without breaking, any dwelling, house, tent, hotel, office, store, shop, warehouse, barn, granary, factory or other building, boat, ship, railroad car or structure used or kept for public or private use, or any private apartment therein, or any cottage, clubhouse, boat house, hunting or fishing lodge, garage or the out-buildings belonging thereto, any ice shanty with a value of \$100.00 or more, or any other structure, whether occupied or unoccupied, without first obtaining permission to enter from the owner or occupant, agent, or person having immediate control thereof.
- (b) Subsection (a) does not apply to entering without breaking, any place which at the time of the entry was open to the public, unless the entry was expressly denied. Subsection (a) does not apply if the breaking and entering or entering without breaking was committed by a peace officer or an individual under the peace officer's direction in the lawful performance of his or her duties as a peace officer.
- (c) A violation of this section is a misdemeanor punishable by up to 90 days in jail, a fine of not more than \$500.00, or both.

State Law Reference: MCL 750.115

**D. Addition to Chapter 50, Article II, by creating Section 37, entitled Receiving and Concealing Stolen, Embezzled, or Converted Property, which shall read as follows:**

**50-37: Receiving and Concealing Stolen Property**

- (a) A person shall not buy, receive, possess, conceal, or aid in the concealment of stolen, embezzled, or converted money, goods, or property knowing, or having

reason to know or reason to believe, that the money, goods, or property is stolen, embezzled, or converted.

- (b) If the property purchased, received, possessed, or concealed has a value of less than \$200.00, a person who violates this section shall be guilty of a misdemeanor punishable by up to 93 days in jail, a fine of up to \$500.00 or 3 times the value of the property purchased, received, possessed, or concealed, whichever is greater, or both imprisonment and a fine.
- (c) Evidence that the property purchased, received, possessed, or concealed has a value equal to or greater than \$200.00 shall not be a defense to this offense.

State Law Reference: MCL 750.535

**E. Amendment to Chapter 50, Article IV, by amending Section 81, entitled Disturbing the Peace, which shall read as follows:**

- (a) It shall be unlawful for any person to intentionally engage in the following acts in a public place or any private place without the permission of the owner of the private place:
  - (1) Conduct that threatens public safety;
  - (2) Threatening violence to other persons;
  - (3) Disrupting the peace and quiet of other persons present;
  - (4) Interfering with the ability of other persons to perform legal actions or duties;
- (b) A person must have intentionally engaged in conduct that went beyond stating a position or opinion, or the mere expression of ideas.
- (c) A person who violates this section shall be guilty of a misdemeanor punishable by up to 90 days in jail, a fine of up to \$500.00, or both.

State Law Reference: MCL 750.170

**F. Addition to Chapter 50, Article V, by creating Section 118, entitled Inhalation or Consumption of Chemical Agent, which shall read as follows:**

**50-118: Inhalation or Consumption of Chemical Agent**

- (a) No person shall, for the purpose of causing a condition of intoxication, euphoria, excitement, exhilaration, stupefaction or dulling of the senses or nervous system, intentionally smell or inhale the fumes of any chemical agent or intentionally drink, eat or otherwise introduce any chemical agent into his or her respiratory or circulatory system. This shall not prohibit the inhalation of any anesthesia for medical or dental purposes.

(b) A person who violates subsection (a) is guilty of a misdemeanor punishable by imprisonment for not more than 93 days or a fine of not more than \$100.00, or both imprisonment and a fine.

(c) As used in this section, “chemical agent” means any substance containing a toxic chemical or organic solvent or both, having the property of releasing toxic vapors. The term includes, but is not limited to, glue, acetone, toluene, difluoroethane, nitrous oxide, carbon tetrachloride, hydrocarbons and hydrocarbon derivatives.

State Law Reference: MCL 752.272

Section 2. Validity and Severability. The provisions of this Ordinance are severable and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of the Ordinance.

Section 3. Repealer Clause. All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

Section 4. Savings Clause. This Ordinance does not affect rights and duties matured, penalties that were incurred, and proceedings that were begun, before its effective date.

Section 5. Effective Date. This Ordinance shall be effective thirty (30) days after its publication.

\_\_\_\_\_  
Patricia Jackson, Township Supervisor

\_\_\_\_\_  
Deborah Guthrie, Township Clerk

\_\_\_\_\_  
Cullen Harkness, Township Attorney



**To: Board Members**

**From: Dan Opsommer, Assistant Township Manager  
Director of Public Works and Engineering**

**Roger Swets, Dickinson Wright PLLC**

**Date: July 12, 2022**

**Re: Resolution to Authorize Issuance of General Obligation Unlimited Tax Bonds**

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Before you this evening is the Bond Resolution for the Township’s proposed General Obligation Unlimited Tax Bonds, Series 2022, which are proposed to be issued as the second series of bonds to implement the second phase of the \$35,250,000 street improvement project approved by the voters at the August 2019 election. This resolution is required to be approved by the Township Board in order to proceed with the second series of bonds. The bonds are authorized in the amount of \$12,000,000, which with the bonds previously issued in the amount of \$11,750,000, is a little over two-thirds of the total amount of bonds authorized by the ballot proposal.

This resolution is the main legal document to authorize the issuance of the bonds. As bonds approved by the voters, the bonds will be paid from the road millage levied in an amount needed to pay the debt service on the bonds each year. By sizing this phase at \$12,000,000, the par amount (i.e. the par amount is the amount of money that bond issuers promise to repay bondholders at the maturity date of the bond) is intended to provide funds to pay for the next three years of local road program work.

The resolution provides that the bonds will be sold at a competitive public sale. By law in Michigan, this is done by printing an official notice of sale in a national newspaper called the Bond Buyer, and then taking bids from any underwriter or financial institution in the country that has interest in purchasing the bonds. By law, the bonds will then be awarded to the bidder whose bid provides the lowest true interest cost to the Township.

The resolution allows the bonds to be outstanding up to a maximum term of 5 years, but it is anticipated that the term will be shorter (just over 4 years). The resolution sets the maximum interest rate on the bonds at 6.00%. This is a standard boilerplate ceiling for the interest rate. The final interest rate will be lower, based on the bids received. Since these are short-term bonds, the resolution does not allow optional prepayment prior to maturity.

**The following motion has been prepared for the Board’s consideration:**

**“MOVE TO APPROVE THE RESOLUTION TO AUTHORIZE ISSUANCE OF GENERAL OBLIGATION UNLIMITED TAX BONDS, SERIES 22, IN THE AMOUNT OF \$12,000,000.”**

**Attachments:**

1. Resolution to Authorize Issuance of General Obligation Unlimited Tax Bonds, Series 2022

**CHARTER TOWNSHIP OF MERIDIAN  
(Ingham County, Michigan)**

**RESOLUTION TO AUTHORIZE ISSUANCE OF  
GENERAL OBLIGATION UNLIMITED TAX BONDS, SERIES 2022**

Minutes of a regular meeting of the Township Board of the Charter Township of Meridian, Ingham County, Michigan, held in the Township Hall on July 12, 2022, at 6:00 p.m., local time.

PRESENT: \_\_\_\_\_

\_\_\_\_\_

ABSENT: \_\_\_\_\_

\_\_\_\_\_

The following resolution was offered by Member \_\_\_\_\_ and supported by Member \_\_\_\_\_:

WHEREAS, pursuant to Act 359, Public Acts of Michigan, 1947, as amended (the "Act") the Township Board of the Charter Township of Meridian (the "Township") has determined to make the improvements identified in the proposal below (the "Improvements"); and

WHEREAS, the Township Board prepared and submitted to the electorate within the Township the following proposal (the "Ballot Proposal"):

**STREET IMPROVEMENT BOND PROPOSAL**

Shall the Charter Township of Meridian, Ingham County, Michigan (the "Township"), borrow the principal amount of not to exceed \$35,250,000 and issue its general obligation unlimited tax bonds for all or a portion of that amount in one or more series payable over not to exceed 6 years from the date of issue of each series to pay the cost of designing, acquiring, constructing, improving, repairing, and maintaining streets and related improvements within the Township?

The estimated millage to be levied in the first year of levy is 1.9428 mills (\$1.9428 for each \$1,000 of taxable value) and the estimated simple average annual millage rate required to retire the bonds over approximately 10 years is 1.9429 mills (\$1.9429 for each \$1,000 of taxable value).

WHEREAS, on August 6, 2019, the voters of the Township approved the Ballot Proposal; and

WHEREAS, the Township has issued its General Obligation Unlimited Tax Bonds, Series 2019 receiving bond proceeds in the amount of \$11,970,765.05 pursuant to the Ballot Proposal; and

WHEREAS, the Township Board has the remaining authority to issue its bonds in one or more series in the aggregate amount of not-to exceed \$23,279,234.95 supported by the Township's full faith and credit, unlimited tax, general obligation to undertake the Improvements; and

WHEREAS, the Improvements will enable the Township to provide more efficient and better quality public services to the residents of the Township; and

WHEREAS, the Township is ready to proceed with the second phase of the Improvements; and

WHEREAS, to finance the cost of making the second phase of the Improvements the Township Board deems it necessary to borrow the sum of not to exceed \$12,000,000 and to issue its General Obligation Unlimited Tax Bonds, therefor pursuant to the provisions of the Act.

NOW, THEREFORE, BE IT HEREBY RESOLVED AS FOLLOWS:

1. NECESSITY. It is necessary for the public health, safety and welfare of the Township to make the second phase of the Improvements and issue bonds of the Township, pursuant to the Act to finance the design, acquisition, and construction of the second phase of the Improvements.

2. ESTIMATED COST - PERIOD OF USEFULNESS. The total cost of the second phase of the Improvements, including the payment of engineer's fees, legal and financial expenses and other expenses incidental to the financing of the Improvements, which is currently estimated to be approximately \$12,000,000, is hereby approved and confirmed, and the estimated period of usefulness of the Improvements is determined to be in excess of five (5 years).

3. ISSUANCE OF BONDS. To defray the cost of the second phase of the Improvements, including legal, engineering, financial and other expenses, the Township shall issue its bonds known as General Obligation Unlimited Tax Bonds, Series 2022 (the "Bonds") in the aggregate principal sum of not to exceed \$12,000,000, as finally determined by the Authorized Officer (defined below) at the time of sale.

4. BOND TERMS. The Bonds shall be issued in fully registered form as to both principal and interest, in the denomination of \$5,000 each, or any whole multiple thereof. The Bonds shall be numbered consecutively in the order of their registration, shall be dated the date of their delivery or such other date determined by the Authorized Officer, and shall be payable serially or as term bonds on such dates and in such amounts as determined by the Authorized Officer at the time of sale. The Bonds shall bear interest as determined by the Authorized Officer, payable semiannually as determined by the Authorized Officer at the time of sale. The Authorized Officer may alter the Bond terms within the parameters of this resolution as hereafter provided.

5. PAYMENT OF PRINCIPAL AND INTEREST. Both principal of and interest on the Bonds shall be payable in lawful money of the United States of America to the person appearing on the Bond registration books as the registered owner thereof. Payment of principal on the Bonds shall be made at the principal office of the Paying Agent (defined below). Payment of interest on the Bonds shall be paid to the registered owner at the address as it appears on the registration books as of the determination date. Initially, the determination date shall be the date as of the fifteenth (15<sup>th</sup>) day of the month prior to the payment date for each interest payment; however, the determination date may be changed by the Township to conform to market practice.

6. PLEDGE OF FULL FAITH AND CREDIT, GENERAL OBLIGATION. The Bonds shall be payable from ad valorem property taxes authorized and approved by the Ballot Proposal. The Township hereby pledges its unlimited tax, full faith and credit, general obligation for the prompt payment of the principal of and interest on the Bonds as and when due. The Township shall levy upon the tax rolls of the Township each year for the purpose of paying the principal of and interest on the Bonds a sum not less than the amount estimated to be sufficient to pay the principal and interest on the Bonds as such principal and interest fall due, prior to the next year's tax levy, the probable delinquency in collections being taken into consideration in arriving at the estimate. Taxes required to be levied to meet the principal and interest obligations may be without limitation as to rate or amount, as provided by Article IX, Section 6, of the Michigan Constitution of 1963.

7. PRIOR REDEMPTION.

(a) Mandatory Redemption. Principal designated as a term bond maturity shall be subject to mandatory redemption, in whole or in part, by lot, at par plus accrued interest,

on the redemption dates and in the amounts determined by the Authorized Officer at the time of sale. When term bonds are purchased by the Township and delivered to the Paying Agent for cancellation or are redeemed in a manner other than by mandatory redemption, the principal amount of the term bonds affected shall be reduced by the principal amount of the Bonds so redeemed in the order determined by the Township.

(b) Optional Redemption. The Bonds will not be subject to optional redemption prior to maturity.

8. PAYING AGENT AND REGISTRATION.

(a) Appointment of Paying Agent. From time to time the Authorized Officer shall designate and appoint a paying agent, which may also act as transfer agent and bond registrar (the “Paying Agent”). The Authorized Officer shall also have the authority to remove the Paying Agent and to appoint a successor Paying Agent. The initial Paying Agent shall be appointed by the Authorized Officer. In the event of a change in the Paying Agent, notice shall be given in writing, by certified mail, to each Registered Owner not less than sixty (60) days prior to the next interest payment date. The Paying Agent shall keep the official books for the recordation of the Registered Owners of the Bonds.

(b) Book-Entry-Only. The Bonds may be issued initially in book-entry-only form as one fully registered bond per maturity and will be registered in the name of Cede & Co., as bondholder and nominee for DTC. DTC will act as securities depository for the Bonds, purchase of the Bonds will be made in book-entry-only form, in the denomination of \$5,000 or any integral multiple thereof, and purchasers will not receive certificates representing their interest in Bonds purchased. Payment of principal and interest will be made by the Paying Agent to DTC. While the Bonds are held in book-entry-only form, then the Bonds shall be transferred in accordance with the procedures established by DTC. So long as the Bonds are registered to DTC or another bond depository, the Paying Agent or bond registrar shall have no responsibility with respect to such transfers. The Authorized Officer shall have the authority from time to time to appoint a successor depository trustee to serve in the place of DTC. While the Bonds are issued in book-entry-only form the Paying Agent shall serve as paying agent only.

(c) Registration of Bonds Outside of Book-Entry-Only. In the event the book-entry-only system is not chosen or is discontinued, the following provisions would apply to the Bonds. Bonds may be transferred only by submitting the same to the Paying Agent, together

with a satisfactory instrument of transfer signed by the Registered Owner or his or her legal representative duly authorized in writing, after which a new Bond or Bonds shall be issued by the Paying Agent to the transferee (new registered owner) in denominations of \$5,000 or any integral multiple thereof, in the same aggregate principal amount as the Bond submitted for transfer. No transfer of Bonds shall be valid unless and until recorded on the bond registration books in accordance with the foregoing. The person in whose name any bond is registered may for all purposes, notwithstanding any notice to the contrary, be deemed and treated by the Township and the Paying Agent as the absolute owner thereof, and any payment of principal and interest on any Bond to the Registered Owner thereof shall constitute a valid discharge of the Township's liability upon such Bond to the extent of such payment. No Bond shall be transferred less than fifteen (15) days prior to an interest payment date nor after the Bond has been called for redemption. So long as the Bonds are registered to DTC or another bond depository, the Paying Agent, acting as bond registrar, shall have no responsibility with respect to such transfers.

9. BOND FORM. The Bonds shall be substantially in the form attached hereto as Exhibit A, and incorporated herein, with such changes as are recommended by the Township's Bond Counsel and approved by the officers of the Township signing the Bonds.

10. EXECUTION OF BONDS. The Township Supervisor and the Township Clerk are hereby authorized and directed to sign the Bonds, either manually or by facsimile signature, on behalf of the Township. Upon execution, the Bonds shall be delivered to the purchaser thereof upon receipt of the purchase price in accordance with the accepted bid therefor, plus the accrued interest, if any, to the date of delivery.

11. BONDS MUTILATED, LOST OR DESTROYED. If any Bond shall become mutilated, the Township, at the expense of the holder of the Bond, shall execute, and the Paying Agent shall authenticate and deliver, a new Bond of like tenor in exchange and substitution for the mutilated Bond, upon surrender to the Paying Agent of the mutilated Bond. If any Bond issued under this Resolution shall be lost, destroyed or stolen, evidence of the loss, destruction or theft may be submitted to the Paying Agent and, if this evidence is satisfactory to both the Township and the Paying Agent and indemnity satisfactory to the Paying Agent shall be given, the Township, at the expense of the owner, shall execute, and the Paying Agent shall thereupon authenticate and deliver, a new Bond of like tenor, which shall bear the statement required by

Act 354, Public Acts of Michigan, 1972, as amended, or any applicable law hereafter enacted, in lieu of and in substitution for the Bond so lost, destroyed or stolen. If any such Bond shall have matured or shall be about to mature, instead of issuing a substitute Bond, the Paying Agent may pay the same without surrender thereof.

12. BOND PAYMENT FUND. For payment of principal of and interest on the Bonds, there shall be established and maintained a debt service fund for the Bonds (the “Bond Payment Fund”). The accrued interest, if any, and capitalized interest, if any, received at the time of delivery of the Bonds and such amount of any premium determined by the Authorized Officer shall be placed into the Bond Payment Fund. All proceeds from taxes levied for the payment of the principal of and interest on the Bonds shall also be deposited into the Bond Payment Fund. Moneys in the Bond Payment Fund shall be expended solely for payment of principal and interest on the Bonds that first come due. The Township hereby pledges to budget and set aside each year, from the first collection of taxes not limited by law to other purposes, a sum sufficient to pay the principal of and interest on the Bonds coming due prior to the next collection of taxes.

13. CONSTRUCTION FUND. Prior to delivery and sale of the Bonds, there shall be established a fund for the payment of the costs of the Improvements (the “Construction Fund”). After deducting the sums that are required to be deposited in the Bond Payment Fund, the balance of the proceeds of the Bonds shall be deposited into the Construction Fund. The moneys on deposit in the Construction Fund from time to time shall be used solely for the purpose for which the Bonds were issued. Any unexpended balance shall be used for such purposes as allowed by law. Any monies remaining in the Construction Fund after payment of all such costs shall be transferred to the Bond Payment Fund. After completion of the Improvements and disposition of any remaining Bond proceeds, pursuant to the provisions of this Section, the Construction Fund shall be closed.

14. INVESTMENT OF FUNDS. Moneys in the funds and accounts established herein may be invested by the Township as allowed by law, and subject to the limitations imposed by arbitrage regulations and Section 148 of the Internal Revenue Code of 1986, as amended, and the applicable regulations thereunder (collectively the “Code”).

15. DEPOSITORY AND FUNDS ON HAND. Monies in the several funds and accounts maintained pursuant to this Resolution may be kept in one or more accounts at financial

institutions designated by resolution of the Township, and if kept in one account, the monies shall be allocated on the books and records of the Township in the manner and at the times provided in this Resolution.

16. CONTRACT WITH BONDHOLDERS. The provisions of this Resolution shall constitute a contract between the Township and the holder or holders of the Bonds from time to time, and after the issuance of any of such Bonds, no change, variation or alteration of the provisions of this Resolution may be made that would lessen the security for the Bonds. The provisions of this Resolution shall be enforceable by appropriate proceedings taken by such holder or holders, either at law or in equity.

17. SALE OF BONDS. The Bonds shall be sold at a public sale. The Authorized Officer shall set the date and time for sale of the Bonds, which date shall be at least seven (7) days after the publication of the official notice of sale. The Authorized Officer of the Township shall cause notice of the sale of the Bonds to be published in *The Bond Buyer*, which notice shall be in substantially the form attached hereto as Exhibit B, with such changes, additions and completions as are approved by the Authorized Officer.

18. AUTHORIZED OFFICER. Notwithstanding any other provision of this Resolution, the Township Supervisor and the Township Manager, or either one of them acting alone (the "Authorized Officer") is authorized within the limitations set forth below to determine the title of the Bonds, maximum interest rate, interest rate or rates, amount of discount or premium, amount of maturities, principal amount, amount of good faith deposit, if any, denominations, dates of issuance, dates of maturities, interest payment dates, optional and mandatory redemption rights, and term bond options. The Authorized Officer shall have the authority to determine that up to two years of interest on the Bonds be capitalized. The authority granted to the Authorized Officer by this Section, is subject to the following limitations:

- (a) The par amount of the Bonds shall not exceed \$12,000,000.
- (b) The true interest cost of the Bonds shall not exceed six percent (6.00%).
- (c) The final maturity date of the Bonds shall not be later than five (5) years from the date of issuance.
- (d) The Bonds shall not be sold at a price that is less than 98% of the par value of the Bonds.

The Authorized Officer is hereby authorized for and on behalf of the Township, without further Township Board approval, to: (a) approve the circulation of a preliminary and a final Official Statement describing the Bonds; (b) to award the bid for the sale of the Bonds; (c) purchase municipal bond insurance, if considered necessary, as additional security for the bondholders; (d) apply to rating agencies for a rating on the Bonds; (e) make any designations or elections pursuant to the Code; and (f) do all other acts and take all other necessary procedures required to effectuate the sale, issuance and delivery of the Bonds.

Approval by the Township of the matters delegated in this section or any other sections may be evidenced by execution or approval of such documents by the Authorized Officer. The Authorized Officer, together with the Clerk, the Treasurer and the Finance Director, or any one or more of them, are authorized to execute any documents or certificates necessary to complete the transaction, including, but not limited to, any applications, an Application for State Treasurer's Approval to Issue Long-Term Securities or any other applications or supporting documents to the Michigan Department of Treasury, applications for waivers and the submission of any supporting or related documents, any certificates, receipts, orders, agreements, instruments, security reports, a blanket letter of representations, and any certificates relating to federal or state securities laws, rules or regulations.

19. DEFEASANCE. In the event cash or direct obligations of the United States or obligations the principal of and interest on which are guaranteed by the United States, or a combination thereof, the principal of and interest on which, without reinvestment, come due at times and in amounts sufficient to pay at maturity or irrevocable call for earlier optional or mandatory redemption, the principal of, premium, if any, and interest on the Bonds, shall be deposited in trust, this Resolution shall be defeased and the owners of the Bonds shall have no further rights under this Resolution except to receive payment of the principal of, premium, if any, and interest on the Bonds from the cash or securities deposited in trust and the interest and gains thereon and to transfer and exchange bonds as provided herein.

20. TAX COVENANT. The Township covenants to comply with all requirements of the Code necessary to assure that the interest on the Bonds will be and will remain excludable from gross income for federal income tax purposes. The Authorized Officer and other appropriate officials of the Township are authorized to do all things necessary (including the making of such covenants of the Township as shall be appropriate) to assure that the interest on

the Bonds will be and will remain excludable from gross income for federal income tax purposes.

21. MUNICIPAL BOND INSURANCE. The Authorized Officer is hereby authorized to acquire municipal bond insurance to enhance the marketability of the Bonds. If the Township acquires municipal bond insurance from a municipal bond insurer (the “Insurer”), the Authorized Officer, the Clerk, the Treasurer, or any one of them, are hereby authorized to take all actions, and to execute any documents, certificates, orders, applications, agreements, conditions, covenants or other instruments necessary to effectuate the issuance of the policy of bond insurance, including, but not limited to the execution of an order or agreement containing such provisions as the Insurer may require with respect to the insurance and the Insurer, which shall be binding on the Township in the same manner as if contained herein. The Authorized Officer is further authorized to sign such agreements or other documents and to pay such fees as are required for the Township to become a member of a mutual insurance company.

22. CONTINUING DISCLOSURE. The Township agrees to provide or cause to be provided, in accordance with the requirements of Rule 15c2-12 (the “Rule”) promulgated by the Securities and Exchange Commission (a) on or prior to the last day of the seventh month after the end of the fiscal year of the Township, commencing with the first fiscal year ending after the issuance of the Bonds, certain annual financial information and operating data, including audited financial statements for the preceding fiscal year (or if audited financial statements are not available, unaudited financial statements), generally consistent with certain information that was contained or cross-referenced in the Official Statement relating to the Bonds, (b) timely notice of the occurrence of certain material events with respect to the Bonds, and (c) timely notice of a failure by the Township to provide the required annual financial information on or before the date specified in (a) above.

23. OFFICIAL STATEMENT. The Township is hereby authorized to approve, execute, and deliver a Preliminary Official Statement relating to the Bonds in such form as the Authorized Officer shall approve. The Authorized Officer, the Clerk, the Treasurer or the Finance Director, or any of them, are hereby authorized and directed to approve, execute and deliver the Official Statement on behalf of the Township with such changes or modifications as they deem necessary in order to assure that the statements therein are true, and that it does not contain any untrue statement or material fact and does not omit a material fact necessary in order

to make the statements, in light of the circumstances under which they were made, not misleading.

24. BOND COUNSEL. The firm of Dickinson Wright PLLC is hereby approved as bond counsel to the Township for the issuance of the Bonds, with such fee as is provided in the financial report of the municipal advisor. The Township acknowledges that Dickinson Wright PLLC represents a number of financial institutions in public finance matters, including financial institutions that may potentially purchase the Bonds, and consents to Dickinson Wright PLLC's representation of the City as bond counsel and, and waives any conflict of interest arising from such representation of a financial institution or underwriter that may purchase the Bonds in other matters not involving the Township.

25. RESOLUTION SUBJECT TO MICHIGAN LAW. The provisions of this Resolution are subject to the laws of the State of Michigan.

26. SECTION HEADINGS. The section headings in this Resolution are furnished for convenience of reference only and shall not be considered to be a part of this Resolution.

27. SEVERABILITY. If any section, paragraph, clause or provision of this Resolution shall be held invalid, the invalidity of such section, paragraph, clause or provision shall not affect any of the other provisions of this Resolution.

28. CONFLICT. Except as provided above, all resolutions or parts thereof, insofar as the same may be in conflict herewith, are hereby repealed; provided, that the foregoing shall not operate to repeal any provision thereof, the repeal of which would impair the obligation on the Bonds.

29. EFFECTIVE DATE OF RESOLUTION. This Resolution is determined by the Township Board to be immediately necessary for the preservation of the peace, health and safety of the Township and shall be in full force and effect from and after its passage.

YEAS: \_\_\_\_\_  
\_\_\_\_\_

NAYS: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

RESOLUTION DECLARED ADOPTED.

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Deborah Guthrie, Clerk  
Charter Township of Meridian

**CERTIFICATION**

I, Deborah Guthrie, the duly qualified and acting Clerk of the Charter Township of Meridian, Ingham County, Michigan (the “Township”) do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board at a meeting held on July 12, 2022, the original of which is on file in my office. Public notice of said meeting was given pursuant to and in compliance with Act 267, Public Acts of Michigan, 1976, as amended.

Dated: July 12, 2022

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Deborah Guthrie, Clerk  
Charter Township of Meridian

**EXHIBIT A**

No. \_\_\_\_

**UNITED STATES OF AMERICA  
STATE OF MICHIGAN  
COUNTY OF INGHAM  
CHARTER TOWNSHIP OF MERIDIAN  
GENERAL OBLIGATION UNLIMITED TAX BONDS, SERIES 2022**

**Interest Rate                      Maturity Date                      Date of Original Issue                      CUSIP**

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Registered Owner:    Cede & Co.

Principal Amount:    \_\_\_\_\_ Dollars    (\$ \_\_\_\_\_)

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The Charter Township of Meridian, Ingham County, Michigan (the “Township”), acknowledges itself indebted and, for value received, hereby promises to pay to the Registered Owner specified above, or registered assigns, the Principal Amount specified above, in lawful money of the United States of America, on the Date of Maturity specified above, with interest thereon from the Date of Original Issue specified above or such later date to which interest has been paid, until paid, at the Interest Rate per annum specified above, payable on the first day of April and October of each year, beginning on April 1, 2023.

This Bond is one of a total authorized issue of bonds of even date and like tenor except as to date of maturity, amount and rate of interest, numbered in order of registration, aggregating the principal sum of \$ \_\_\_\_\_, issued in accordance with the provisions of Act 359, Public Acts of Michigan, 1947, as amended and a resolution adopted by the Township Board on July 12, 2022, for the purpose of paying the cost of designing, acquiring, constructing, improving, repairing, and maintaining streets and related improvements within the Township (the “Improvements”).

The Township has pledged its unlimited tax, full faith or credit, general obligation, for the prompt payment of the principal of and interest on the Bonds as and when due. Unless the Township has sufficient funds on hand, the Township shall annually levy a tax on all taxable property in the Township for the prompt payment of principal and interest on the Bonds, which tax shall be unlimited as to rate and amount as approved by the electorate on August 6, 2019.

Principal of this Bond is payable at the principal office of The Huntington National Bank, Grand Rapids, Michigan, or such other Paying Agent as the Township may hereafter designate (the "Paying Agent") by notice mailed to the Registered Owner not less than sixty (60) days prior to the next interest payment date. Interest on this Bond is payable to the Registered Owner of record as of the fifteenth (15<sup>th</sup>) day of the month preceding the payment date as shown on the registration books of the Township maintained by the Paying Agent, by check or draft mailed to the Registered Owner at the registered address.

Bonds maturing on \_\_\_\_\_, \_\_\_\_ (the "Term Bonds"), are subject to mandatory redemption prior to maturity in part, by lot, on each \_\_\_\_\_ 1, commencing \_\_\_\_\_, \_\_\_\_\_, and will be redeemed at the par value thereof plus accrued interest to the redemption date on \_\_\_\_\_ 1 of each of the following years in the amounts as follows:

<u>Redemption Date</u>	<u>Principal Amount</u>
------------------------	-------------------------

Term Bonds purchased by the Township and delivered to the Paying Agent for cancellation or which are redeemed in a manner other than by mandatory redemption, shall reduce the principal amount of the Term Bonds subject to mandatory redemption by the amount of the Bonds so redeemed, in the order determined by the Township.

The Bonds shall not be subject to optional redemption prior to maturity.

This Bond shall be registered in the name of the Registered Owner on the registration books kept by the Paying Agent and such registration noted hereon and thereafter no transfer shall be valid unless made upon the registration books and likewise noted hereon. This Bond is exchangeable at the request of the Registered Owner hereof, in person or by his attorney duly authorized in writing, at the office of the Paying Agent, but only in the manner, subject to the limitations and at his sole expense, for other bonds of an equal aggregate amount, upon surrender of this Bond to the Paying Agent. Upon such transfer, a new registered bond or bonds of the same series and the same maturity of authorized denomination will be issued to the transferee in exchange therefor.

It is hereby certified and recited that all acts, conditions and things required by law, precedent to and in the issuance of this Bond, exist and have been done and performed in regular and due time and form as required by law and that the total indebtedness of the Township including this Bond, does not exceed any constitutional or statutory limitation.

IN WITNESS WHEREOF, the Charter Township of Meridian, Ingham County, Michigan, by its Township Board, has caused this Bond to be signed, by the manual or facsimile signatures of its Supervisor and Clerk, all as of the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

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Patricia H. Jackson Supervisor

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Deborah Guthrie, Clerk

**CERTIFICATE OF REGISTRATION AND AUTHENTICATION**

This Bond is one of the Charter Township of Meridian \$ \_\_\_\_\_ General Obligation Unlimited Tax Bonds, Series 2022 and has been registered in the name of the Registered Owner designated on the face thereof in the bond register maintained for the Township.

\_\_\_\_\_

Authentication Date: \_\_\_\_\_, 20\_\_                      \_\_\_\_\_  
As Paying Agent/Bond Registrar/Transfer Agent

**WRONGFUL USE OF CERTIFICATE**

Unless this certificate is presented by an authorized representative of The Depository Trust Company, a New York corporation (“DTC”), to Issuer or its agent for registration of transfer, exchange, or payment, and any certificate issued is registered in the name of Cede & Co. or in such other name as is requested by an authorized representative of DTC (and any payment is made to Cede & Co. or to such other entity as is requested by an authorized representative of DTC), ANY TRANSFER, PLEDGE, OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL inasmuch as the registered owner hereof, Cede & Co., has an interest herein.

**ASSIGNMENT**

For value received, the undersigned hereby sells, assigns and transfers unto \_\_\_\_\_

\_\_\_\_\_  
(please print or type social security number or taxpayer identification number and name and address of transferee)  
the within bond and all rights thereunder, and does hereby irrevocably constitute and appoint \_\_\_\_\_ attorney to transfer the within bond on the books kept for registration thereof, with full power of substitution in the premises.

Dated: \_\_\_\_\_ Signed: \_\_\_\_\_

In the presence of: \_\_\_\_\_

**Notice:** The signature to this assignment must correspond with the name as it appears upon the face of the within bond in every particular, without alteration or enlargement or any change whatever. When assignment is made by a guardian, trustee, executor or administrator, an officer of a corporation, or anyone in a representative capacity, proof of his authority to act must accompany the bond.

Signature(s) must be guaranteed by an eligible guarantor institution participating in a Securities Transfer Association recognized signature guaranty program.

Signature Guaranteed: \_\_\_\_\_

**EXHIBIT B**

**OFFICIAL NOTICE OF SALE**

\$ \_\_\_\_\_ \*

\*(subject to adjustment as described below)

**CHARTER TOWNSHIP OF MERIDIAN  
GENERAL OBLIGATION UNLIMITED TAX BONDS, SERIES 2022**

SEALED BIDS for the purchase of the above bonds (the “Bonds”) will be received by an agent of the undersigned on the \_\_\_\_ day of \_\_\_\_\_, 2022, until \_\_\_\_\_.m., Eastern Time, at which time they will be read. Bids may be submitted by email at \_\_\_\_, but no bid will be received after the time for receiving bids specified above and the bidder bears all risks of transmission failure.

IN THE ALTERNATIVE: Bids may be submitted electronically via PARITY pursuant to this Notice on the same date and until the same time, but no bid will be received after the time for receiving bids specified above. To the extent any instructions or directions set forth in PARITY conflict with this Notice, the terms of this Notice shall control. For further information about PARITY, potential bidders may contact the Municipal Advisor (identified below) or PARITY at (212) 849-5021.

BOND DETAILS: The Bonds will be fully registered bonds of the denomination of \$5,000 each or any integral multiple thereof not exceeding the aggregate principal amount for each maturity at the option of the purchaser thereof, dated the date of their delivery, and will bear interest from their date payable on April 1, 2023, and semiannually thereafter.

The Bonds will mature on the first day of \_\_\_\_\_ as follows (provided, however, that the amounts set forth may be adjusted as described under “Adjustment in Principal Amount” herein:

<b>YEAR</b>	<b>AMOUNT</b>
2023	
2024	
2025	
2026	

TERM BOND OPTION: Bidders shall have the option of designating bonds as serial bonds or term bonds, or both. The bid must designate whether each of the principal amounts shown above represents a serial maturity or a mandatory redemption requirement for a term bond maturity. There may be more than one term bond designated. In the event that term bonds are utilized, the principal amount scheduled for maturity in the years shown above shall be represented by either serial bond maturities or mandatory redemption requirements, or a combination of both. Any such designation must be made at the time bids are submitted.

PRIOR REDEMPTION:

A. MANDATORY REDEMPTION. Bonds designated as term bonds shall be subject to mandatory redemption at par and accrued interest on the dates and in the amounts corresponding to the annual principal maturities hereinbefore set forth. The Bonds or portions of bonds to be redeemed shall be selected by lot.

B. OPTIONAL REDEMPTION. The Bonds are not subject to optional redemption prior to maturity.

INTEREST RATE AND BIDDING DETAILS: The Bonds shall bear interest at a rate or rates not exceeding 6% per annum, to be fixed by the bids therefor, expressed in multiples of 1/8 or 1/20 of 1%, or both. The interest on any one bond shall be at one rate only and all bonds maturing in any one year must carry the same interest rate. The interest rate borne by bonds maturing in any one year shall not be less than the interest rate borne by the Bonds maturing the preceding year. No proposal for the purchase of less than all of the Bonds or at a price less than 98% of their par value will be considered.

BOOK-ENTRY-ONLY: At the option of the purchaser, the Bonds will be issued in book-entry-only form as one fully-registered bond per maturity and will be registered in the name of Cede & Co., as nominee for The Depository Trust Company (“DTC”), New York, New York. DTC will act as securities depository for the Bonds. Purchase of the Bonds will be made in book-entry-only form, in the denomination of \$5,000 or any multiple thereof. Purchasers will not receive certificates representing their interest in bonds purchased. The Bonds will not be issued in book-entry form if the purchaser is willing to accept physical delivery of the Bonds in denominations equal to the aggregate principal amount for each maturity and, if necessary, transfer the Bonds only in such denominations. If requested by the purchaser of the Bonds and determined by an authorized officer of the Township, the Bonds may be issued in the form of a single bond with an exhibit containing the principal maturity amounts and applicable interest rates and due dates. The book-entry-only system is described further in the preliminary official statement for the Bonds.

BOND REGISTRAR AND PAYING AGENT: The Bonds shall be payable as to principal in lawful money of the United States upon surrender thereof at the corporate trust office of The Huntington National Bank, Grand Rapids, Michigan, the bond registrar and paying agent. Interest shall be paid to the registered owner of each bond as shown on the registration books at the close of business on the 15<sup>th</sup> day of the calendar month preceding the month in which the interest payment is due. Interest shall be paid when due by check or draft drawn upon and mailed by the bond registrar and paying agent to the registered owner at the registered address.

As long as DTC, or its nominee Cede & Co., is the registered owner of the Bonds, payments will be made directly to such registered owner. Disbursement of such payments to DTC participants is the responsibility of DTC and disbursement of such payments to the beneficial owners of the Bonds is the responsibility of DTC participants and indirect participants as described in the preliminary official statement for the Bonds. The Township from time to time as required may designate a successor bond registrar and paying agent. Alternatively, a Township official may serve as bond registrar and paying agent for the Bonds.

PURPOSE AND SECURITY: The Bonds are to be issued pursuant to the provisions of Act 359, Public Acts of Michigan, 1947, as amended, to defray all or part of cost of designing, acquiring, constructing, improving, repairing, and maintaining streets and related improvements within the Township. The issuance of the Bonds was approved at an election on August 6, 2019. The full faith and credit of the Township have been pledged to the prompt payment of the principal of and interest on the Bonds as and when due, and the Township will levy ad valorem taxes, without limitation as to rate or amount, to the extent necessary for the payment of such principal and interest.

ADJUSTMENT IN PRINCIPAL AMOUNT: Following receipt of bids and prior to final award, the Township reserves the right to increase or decrease the principal amount of the Bonds. Such adjustment, if necessary, will be made in increments of \$5,000, and may be made in one or more maturities. The purchase price will be adjusted proportionately to the increase or decrease in the principal amount of the Bonds, but the interest rates specified by the successful bidder will not change. The successful bidder may not withdraw its bid as a result of any changes made as provided in this paragraph.

GOOD FAITH: A good faith deposit in the form of a certified or cashier's check drawn upon an incorporated bank or trust company, or wire transfer, in the amount of \$ \_\_\_\_\_ payable to the order of the Township will be required of the successful bidder. If a check is used, it must accompany the bid. If a wire transfer is used, the successful bidder is required to wire its good faith deposit to the Township not later than Noon, Eastern Standard Time, on the next business day following the sale using the wire instructions provided by the Municipal Advisor. The good faith deposit will be applied to the purchase price of the Bonds. In the event the purchaser fails to honor its accepted bid, the good faith deposit will be retained by the Township. No interest shall be allowed on the good faith deposit, and checks of the unsuccessful bidders will be promptly returned to such bidder's representative or by registered mail. The good faith check of the successful bidder will be cashed and payment for the balance of the purchase price of the Bonds shall be made at the closing.

AWARD OF BONDS: The Bonds will be awarded to the bidder whose bid produces the lowest true interest cost to the Township. True interest cost shall be computed by determining the annual interest rate (compounded semiannually) necessary to discount the debt service payments on the Bonds from the payment dates thereof to \_\_\_\_\_, 2022, and to the price bid.

LEGAL OPINION: Bids shall be conditioned upon the approving opinion of Dickinson Wright PLLC, attorneys of Grand Rapids, Michigan, the original of which will be furnished without expense to the purchaser at the delivery of the Bonds. The fees of Dickinson Wright PLLC for services rendered in connection with such approving opinion are expected to be paid from bond

proceeds. Except to the extent necessary to issue its approving opinion as to the validity of the above bonds, Dickinson Wright PLLC has made no inquiry as to any financial information, statements or material contained in any financial documents, statements or materials that have been or may be furnished in connection with the authorization, issuance or marketing of the Bonds and, accordingly, will not express any opinion with respect to the accuracy or completeness of any such financial information, statements or materials. In submitting a bid, the bidder agrees to the representation of the Township by Dickinson Wright PLLC, notwithstanding any representation of the bidder by Dickinson Wright PLLC, in connection with any matters unrelated to sale of the Bonds by the Township.

TAX MATTERS: The approving opinion will include an opinion to the effect that under existing law, as enacted and construed on the date of the initial delivery of the Bonds, the interest on the Bonds is excluded from gross income for federal income tax purposes. Interest on the Bonds is not an item of tax preference for purposes of the federal alternative minimum tax. The opinion set forth above will be subject to the condition that the Township comply with all requirements of the Internal Revenue Code of 1986, as amended (the “Code”), that must be satisfied subsequent to the issuance of the Bonds in order that interest thereon be (or continue to be) excluded from gross income for federal income tax purposes. Failure to comply with certain of such requirements could cause the interest on the Bonds to be included in gross income retroactive to the date of issuance of the Bonds. The Township has covenanted to comply with all such requirements. The opinion will express no opinion regarding other federal tax consequences arising with respect to the Bonds.

If the successful bidder will obtain a municipal bond insurance policy or other credit enhancement for the Bonds in connection with their original issuance at its expense, the successful bidder will be required, as a condition of delivery of the Bonds, to certify that the premium therefor will be less than the present value of the interest expected to be saved as a result of such insurance or other credit enhancement. The form of an acceptable certificate will be provided by bond counsel.

In addition, the approving opinion will include an opinion to the effect that under existing law, as enacted and construed on the date of the initial delivery of the Bonds, the Bonds and the interest thereon are exempt from all taxation by the State of Michigan or a political subdivision thereof, except estate taxes and taxes on gains realized from the sale, payment or other disposition thereof.

ISSUE PRICE: The winning bidder shall assist the Township in establishing the issue price of the Bonds and shall execute and deliver to the Township at Closing an “issue price” or similar certificate setting forth the reasonably expected initial offering price to the public or the sales price or prices of the Bonds, together with the supporting pricing wires or equivalent communications, substantially in the form provided by Bond Counsel, with such modifications as may be appropriate or necessary, in the reasonable judgment of the winning bidder, the Township and Bond Counsel. All actions to be taken by the Township under this Notice of Sale to establish the issue price of the Bonds may be taken on behalf of the Township by the Township’s Municipal Advisor identified herein and any notice or report to be provided to the Township may be provided to the Township’s Municipal Advisor.

The Township intends that the provisions of Treasury Regulation Section 1.148-1(f)(3)(i) (defining “competitive sale” for purposes of establishing the issue price of the Bonds) will apply to the initial sale of the Bonds (the “competitive sale requirements”) because:

- (1) the Township is disseminating this Notice of Sale to potential underwriters in a manner that is reasonably designed to reach potential underwriters;
- (2) all bidders shall have an equal opportunity to bid;
- (3) the Township anticipates receiving bids from at least three underwriters of municipal bonds who have established industry reputations for underwriting new issuances of municipal bonds; and
- (4) the Township anticipates awarding the sale of the Bonds to the bidder who submits a firm offer to purchase the Bonds at the lowest true interest cost, as set forth in this Notice of Sale.

Any bid submitted pursuant to this Notice of Sale shall be considered a firm offer for the purchase of the Bonds, as specified in the bid.

In the event that competitive sale requirements are satisfied, the winning bidder shall be expected to certify as to the reasonably expected initial offering price of the Bonds to the public.

In the event that the competitive sale requirements are not satisfied, the Township shall so advise the winning bidder. The Township shall treat (i) the first price at which 10% of a maturity of the Bonds (the “10% test”) is sold to the public as of the sale date as the issue price of that maturity and (ii) the initial offering price to the public as of the sale date of any maturity of the Bonds not satisfying the 10% test as of the sale date as the issue price of that maturity (the “hold-the-offering-price rule”), in each case applied on a maturity-by-maturity basis (and if different interest rates apply within a maturity, to each separate CUSIP number within that maturity). The winning bidder shall advise the Township if any maturity of the Bonds satisfies the 10% test as of the date and time of the award of the Bonds. Any maturity of the Bonds (and if different interest rates apply within a maturity, to each separate CUSIP number within that maturity) that does not satisfy the 10% test as of the date and time of the award of the Bonds shall be subject to the hold-the-offering-price rule. Bids will not be subject to cancellation in the event that any maturity of the Bonds is subject to the hold-the-offering-price rule. Bidders should prepare their bids on the assumption that some or all of the maturities of the Bonds will be subject to the hold-the-offering-price rule in order to establish the issue price of the Bonds.

By submitting a bid, each bidder confirms that, except as otherwise provided in its bid, it has an established industry reputation for underwriting new issuances of municipal bonds, and, further, the winning bidder shall (i) confirm that the underwriters have offered or will offer the Bonds to the public on or before the date of award at the offering price or prices (the “initial offering price”), or at the corresponding yield or yields, set forth in the bid submitted by the winning bidder and (ii) agree, on behalf of the underwriters participating in the purchase of the Bonds, that the underwriters will neither offer nor sell unsold bonds of any maturity to which the hold-the-offering-price rule shall apply to any person at a price that is higher than the initial

offering price to the public during the period starting on the sale date and ending on the earlier of the following:

- (1) the close of the fifth (5<sup>th</sup>) business day after the sale date; or
- (2) the date on which the underwriters have sold at least 10% of that maturity of the Bonds to the public at a price that is no higher than the initial offering price to the public.

The winning bidder shall promptly advise the Township when the underwriters have sold 10% of that maturity of the Bonds to the public at a price that is no higher than the initial offering price to the public, if that occurs prior to the close of the fifth (5<sup>th</sup>) business day after the sale date.

The Township acknowledges that, in making the representation set forth above, the winning bidder will rely on (i) the agreement of each underwriter to comply with the hold-the-offering-price rule, as set forth in an agreement among underwriters and the related pricing wires, (ii) in the event a selling group has been created in connection with the initial sale of the Bonds to the public, the agreement of each dealer who is a member of the selling group to comply with the hold-the-offering-price rule, as set forth in a selling group agreement and the related pricing wires, and (iii) in the event that an underwriter is a party to a retail distribution agreement that was employed in connection with the initial sale of the Bonds to the public, the agreement of each broker-dealer that is a party to such agreement to comply with the hold-the-offering-price rule, as set forth in the retail distribution agreement and the related pricing wires. The Township further acknowledges that each underwriter shall be solely liable for its failure to comply with its agreement regarding the hold-the-offering-price rule and that no underwriter shall be liable for the failure of any other underwriter, or of any dealer who is a member of a selling group, or of any broker-dealer that is a party to a retail distribution agreement to comply with its corresponding agreement regarding the hold-the-offering-price rule as applicable to the Bonds.

By submitting a bid, each bidder confirms that: (i) any agreement among underwriters, any selling group agreement and each retail distribution agreement (to which the bidder is a party) relating to the initial sale of the Bonds to the public, together with the related pricing wires, contains or will contain language obligating each underwriter, each dealer who is a member of the selling group, and each broker-dealer that is a party to such retail distribution agreement, as applicable, to comply with the hold-the-offering-price rule if and for so long as directed by the winning bidder and as set forth in the related pricing wires, and (ii) any agreement among underwriters relating to the initial sale of the Bonds to the public, together with the related pricing wires, contains or will contain language obligating each underwriter that is a party to a retail distribution agreement to be employed in connection with the initial sale of the Bonds to the public to require each broker-dealer that is a party to such retail distribution agreement to comply with the hold-the-offering-price rule if and for so long as directed by the winning bidder or such underwriter and as set forth in the related pricing wires.

Sales of any bonds to any person that is a related party to an underwriter shall not constitute sales to the public for purposes of this Notice of Sale. Further, for purposes of this Notice of Sale:

(i) “public” means any person other than an underwriter or a related party,

(ii) “underwriter” means (A) any person that agrees pursuant to a written contract with the Township (or with the lead underwriter to form an underwriting syndicate) to participate in the initial sale of the Bonds to the public and (B) any person that agrees pursuant to a written contract directly or indirectly with a person described in clause (A) to participate in the initial sale of the Bonds to the public (including a member of a selling group or a party to a retail distribution agreement participating in the initial sale of the Bonds to the public),

(iii) a purchaser of any of the Bonds is a “related party” to an underwriter if the underwriter and the purchaser are subject, directly or indirectly, to (A) at least 50% common ownership of the voting power or the total value of their stock, if both entities are corporations (including direct ownership by one corporation of another), (B) more than 50% common ownership of their capital interests or profit interests, if both entities are partnerships (including direct ownership by one partnership of another), or (C) more than 50% common ownership of the value of the outstanding stock of the corporation or the capital interests or profit interests of the partnership, as applicable, if one entity is a corporation and the other entity is a partnership (including direct ownership of the applicable stock or interests by one entity of the other), and

(iv) “sale date” means the date that the Bonds are awarded by the Township to the winning bidder.

OFFICIAL STATEMENT: An electronic copy of the Township’s official statement relating to the Bonds may be obtained by contacting the Municipal Advisor at the address referred to below. The official statement is in a form deemed final by the Township for purposes of paragraph (b)(1) of SEC Rule 15c2-12 (the “Rule”), but is subject to revision, amendment and completion in a final official statement.

After the award of the Bonds, the Township will provide on a timely basis copies of a final official statement, as that term is defined in paragraph (e)(3) of the Rule, at the Township’s expense in sufficient quantity to enable the successful bidder or bidders to comply with paragraphs (b)(3) and (b)(4) of the Rule and the rules of the Municipal Securities Rulemaking Board. Requests for such additional copies of the final official statement shall be made to the Municipal Advisor at the address set forth below within 24 hours of the award of the Bonds.

CONTINUING DISCLOSURE: In order to assist bidders in complying with paragraph (b)(5) of the Rule, the Township will undertake, pursuant to a resolution adopted by its governing body and a continuing disclosure certificate, to provide annual reports and notices of certain events. A description of these undertakings is set forth in the preliminary official statement and will also be set forth in the final official statement.

CUSIP: It is anticipated that CUSIP numbers will be printed on the Bonds at the option of the Purchaser, but neither the failure to print CUSIP numbers nor any improperly printed CUSIP numbers shall be cause for the purchaser to refuse to take delivery of and pay the purchase price for the Bonds. The CUSIP Service Bureau's charge for the assignment of CUSIP identification numbers shall be paid by the purchaser.

BIDDER CERTIFICATION: NOT “IRAN-LINKED BUSINESS”: By submitting a bid, the bidder shall be deemed to have certified that it is not an “Iran-Linked Business” as defined in Act 517, Public Acts of Michigan, 2012; MCL 129.311 et seq.

DELIVERY OF BONDS: The Township will furnish bonds ready for execution at its expense. Bonds will be delivered without expense to the purchaser through DTC in New York, New York, or such other place or by such other means as may be agreeable to the purchaser and the Township. The usual closing documents, including a continuing disclosure certificate (to the extent that the purchaser is subject to the Rule) and a certificate that no litigation is pending affecting the issuance of the Bonds, will be delivered at the time of the delivery of the Bonds. If the Bonds are not tendered for delivery by twelve o’clock noon, prevailing Eastern Time, on the 45<sup>th</sup> day following the date of sale, or the first business day thereafter if said 45<sup>th</sup> day is not a business day, the successful bidder on that day, or any time thereafter until delivery of the Bonds, may withdraw its proposal by serving notice of cancellation, in writing, on the undersigned, in which event the Township shall return the good faith deposit. Payment for the Bonds shall be made in Federal Reserve Funds.

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

ENVELOPES containing the bids should be plainly marked “Proposal for Bonds.”

MUNICIPAL ADVISOR: MFCI, LLC (the “Municipal Advisor”) is a Registered Municipal Advisor in accordance with the rules of the Municipal Securities Rulemaking Board. The Municipal Advisor has been retained by the Township to provide certain financial advisory services relating to the planning, structuring and issuance of the bonds. The Municipal Advisor is not engaged in the business of underwriting, trading, marketing or the distribution of securities or any other negotiable instruments. The Municipal Advisor’s duties, responsibilities and fees arise solely as a Registered Municipal Advisor to the Authority and it has no secondary obligation or other responsibility. Further information with respect to the Bonds may be obtained from the Municipal Advisor, 3150 Livernois Road, Suite 175, Troy, Michigan 48083, Telephone: (313) 782-3011.

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Deborah Guthrie, Clerk  
Charter Township of Meridian



**To: Board Members**  
**From: LuAnn Maisner CPRP, Director of Parks and Recreation**  
**Date: July 5, 2022**  
**Re: 1442 Haslett Road Boundary Correction Proposal**

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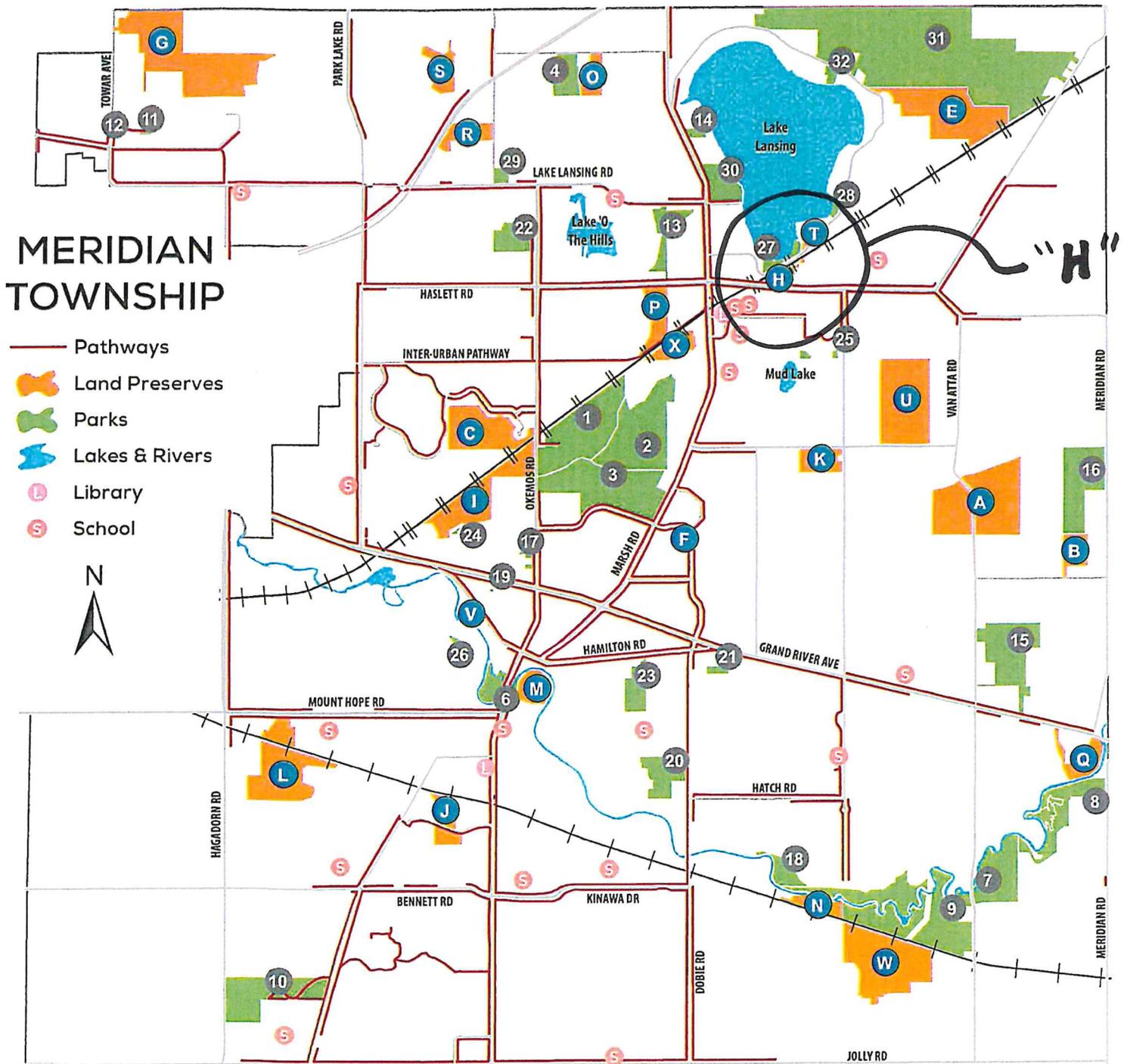
In 2010, at the recommendation of the Land Preservation Advisory Board, the Township acquired the 5.5-acre parcel now known as Lake Lansing South Land Preserve located at 5763 Carlton St., Haslett. This site's main road frontage on Carlton Street but also has two small sections of road frontage on Haslett Road. One of these areas only 5.75' wide and located adjacent to Eliza Hedemark, landowner of 1442 Haslett Road.

This narrow area has served as more a nuisance than benefit for both the Township and the landowner. The landowner has expressed interest in initiating a land trade with the Township for 585sf +/- of property from the back of her lot in exchange for the narrow strip of land preserve property along her eastern boundary line. The Land Preservation Advisory Board supports this proposal as there will be no net loss of land to the preserve.

The landowner has agreed to pay for an amended boundary survey, legal description, and other associated costs.

**Attachments: site map and location map**

# Parks, Pathways & Natural Areas



## Meridian Township Parks

- |  |                            |                            |
|--|----------------------------|----------------------------|
| 1 Nancy Moore Park<br>*Parks and Recreation Office   | 11 Snell-Towar Rec Center  | 27 Lake Lansing Marsh      |
| 2 Central Park<br>*Townhall Building<br>*Public Safety Building<br>*Meridian Historical Village<br>*Nokomis Learning Center<br>*Farmers' Market Pavilion | 12 Towar Park              | 28 Spengler Marsh          |
| 3 Central Park South   | 13 Hillbrook Park          | 29 Newton Road Park        |
| 4 Towner Road Park   | 14 Marshall Park           | 30 Lake Lansing Park South |
| 5 Wonch Park   | 15 Ted Black Woods         | 31 Lake Lansing Park North |
| 6 Ferguson Park  | 16 North Meridian Rd. Park |                            |
| 7 Harris Nature Center   | 17 Ottawa Hills Park       |                            |
| 8 Eastgate Park  | 18 Red Cedar Natural Area  |                            |
| 9 Legg Park  | 19 Cedar Bend Heights      |                            |
| 10 Hartrick Park   | 20 Sander Farm             |                            |
|  | 21 Forest Hills Park       |                            |
|  | 22 Brattin Woods           |                            |
|  | 23 Tacoma Hills Park       |                            |
|  | 24 Schriener Park          |                            |
|  | 25 Orlando Park            |                            |
|  | 26 Indian Hills Park       |                            |

## Meridian Township Land Preserves

- |                                   |                                     |
|-----------------------------------|-------------------------------------|
| A Davis/Foster Preserve           | M Sumbal Preserve                   |
| B Foster-Crouse Preserve          | N Red Cedar Glen Preserve           |
| C Hubbel Preserve                 | O Towner Wetland Preserve           |
| D Kuzma Preserve                  | P Meridian Central Wetland Preserve |
| E Lake Lansing North Preserve     | Q Red Cedar River East Preserve     |
| F Newman Equities Preserve        | R Forest Grove Preserve             |
| G Towar Woods Preserve            | S North Ridge Preserve              |
| H Lake Lansing South Preserve     | T Tank Wetland                      |
| I Central Meridain Uplands        | U Tihart Preserve                   |
| J Sower Woods Preserve            | V Mandenberg Woods                  |
| K Tihart/Cornell Wetland Preserve | W Ponderosa Preserve                |
| L Southwest Meridian Uplands      | X Nemoke Preserve                   |

For more info: 517-853-4600  
www.meridian.mi.us





**To: Township Board**

**From: Timothy R. Schmitt, AICP  
Community Planning and Development Director**

**Date: July 5, 2022**

**Re: Text Amendment 2022-08 – Traffic Impact Study Standards**

Text Amendment #2022-08 is an ordinance update initiated by the Planning Staff to clarify the Traffic Impact Study standards throughout the Ordinance. After the adoption of the MUPUD ordinance in 2021, Staff realized that the standards for Traffic Impact Studies are spread throughout the ordinance and are sometimes inconsistent with each other. Following the direction from the Board and Planning Commission during the MUPUD discussion, Staff is proposing to modify the ordinance two main ways:

- A new section, 86-130, will be created to house the requirements for a traffic study to be performed.
- The standards for a traffic impact study will be made consistent across the ordinance at 250 directional trips, consistent with the discussion during the MUPUD ordinance. Projects with 50-250 directional trips daily will still require a traffic assessment, which is a more concise report that doesn't have the detail of a full study.

The Planning Commission reviewed the matter at their January 10<sup>th</sup>, March 28<sup>th</sup>, and June 27<sup>th</sup> meetings and had excellent insight to clarify some aspects of the original proposal. Additionally, they asked that Staff review the matter with the Transportation Commission, which we did at their June meeting. The Transportation Commission had no concerns with the proposed ordinance and the Planning Commission unanimously recommended the ordinance for approval at the June 27<sup>th</sup> meeting.

**Township Board Options**

The Township Board may approve or deny the proposed text amendment. If the Board amends the proposal, the request may be referred back to the Planning Commission for further analysis and recommendation. A resolution will be provided at a future meeting to Introduce the Ordinance for potential adoption.

**Attachments**

1. Clean version of Ordinance 2022-08 – Traffic Impact Study Standards
2. Redlined version of Ordinance 2022-08 – Traffic Impact Study Standards
3. Planning Commission resolution recommending approval to the Township Board
4. Staff memorandums dated March 24<sup>th</sup> and June 23<sup>rd</sup>
5. Planning Commission minutes dated January 10<sup>th</sup>, March 28<sup>th</sup>, and June 27, 2022

ORDINANCE NO. 2022-08

AN ORDINANCE TO AMEND SECTION 86-444, COMMERCIAL PLANNED UNIT DEVELOPMENT (C-PUD), SECTION 86-124, APPLICATION REQUIREMENTS, SECTION 86-441, GRAND RIVER AVENUE (M-43) CORRIDOR ACCESS MANAGEMENT OVERLAY DISTRICT, AND SECTION 62-34, TENTATIVE PRELIMINARY PLAT, AND TO CREATE A NEW SECTION 86-156, TRAFFIC IMPACT STUDIES OF THE CHARTER TOWNSHIP OF MERIDIAN CODE OF ORDINANCES TO UPDATE THE STANDARDS THEREIN

**THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:**

**Section 1.** Section 62-34(1)(b)(14), Tentative preliminary plat, is hereby amended to read as follows:

A traffic assessment or a traffic impact study may be required as specified in Subsection 86-130.

**Section 2.** Section 86-124(c)(6), Application Requirements, is hereby amended to read as follows:

A traffic assessment or a traffic impact study may be required as specified in Section 86-130.

**Section 3.** Section. 86-130, Traffic Study Requirements, is hereby created and reads as follows:

(a) A traffic assessment prepared by a certified traffic engineer based, in whole or in part, on the most current edition of the handbook entitled *Evaluating Traffic Impact Studies: a Recommended Practice for Michigan Communities*, shall be required for an overall development (all phases included) which is expected to generate between 50 and 249 directional trips during a peak hour of traffic.

(b) A traffic impact study prepared by a certified traffic engineer based, in whole or in part, on the most current edition of the handbook entitled *Evaluating Traffic Impact Studies: a Recommended Practice for Michigan Communities*, shall be required for an overall development (all phases included) or for an individual phase of a development which would generate 250 or more directional trips during a peak hour or over 750 trips on an average day. Should a development be submitted in phases, the cumulative effect of each additional phase on those previously reviewed and approved shall be accounted for and documented within the traffic assessment or traffic impact study.

(c) The requirement for a traffic assessment or traffic impact study may be waived by the Director of Community Planning and Development in the following instances:

(1) The existing level of service is not determined to be significantly impacted by the proposed development due to the nature of the request or specific conditions at the subject site.

(2) A similar traffic study was previously prepared for the subject site and is still considered applicable.

1 **Section 4.** Section 86-441(d)(7), Grand River Avenue (M-43) Corridor Access Management  
2 Overlay District, is hereby amended to read as follows:  
3

4 A traffic assessment or a traffic impact study may be required as specified in  
5 Subsection 86-130.  
6

7 **Section 5.** Section 86-444(g)(4)(1)(viii), Commercial Planned Unit Development (C-PUD), is  
8 hereby amended to read as follows:  
9

10 A traffic assessment or a traffic impact study may be required as specified in  
11 Subsection 86-130.  
12

13 **Section 6.** Validity and Severability. The provisions of this Ordinance are severable and the  
14 invalidity of any phrase, clause or part of this Ordinance shall not affect the validity  
15 or effectiveness of the remainder of the Ordinance.  
16

17 **Section 7.** Repealer Clause. All ordinances or parts of ordinances in conflict therewith are  
18 hereby repealed only to the extent necessary to give this Ordinance full force and  
19 effect.  
20

21 **Section 8.** Savings Clause. This Ordinance does not affect rights and duties matured, penalties  
22 that were incurred, and proceedings that were begun, before its effective date.  
23

24 **Section 9.** Effective Date. This Ordinance shall be effective seven (7) days after its publication  
25 or upon such later date as may be required under Section 402 of the Michigan Zoning  
26 Enabling Act (MCL 125.3402) after filing of a notice of intent to file a petition for a  
27 referendum.  
28

29 ADOPTED by the Charter Township of Meridian Board at its regular meeting this **XX**th day of  
30 **XXXXXXX**, 2022.  
31

32  
33  
34 \_\_\_\_\_  
35 Patricia Herring Jackson, Township Supervisor  
36

37 \_\_\_\_\_  
38 Deborah Guthrie, Township Clerk

ORDINANCE NO. 2022-08

AN ORDINANCE TO AMEND SECTION 86-444, COMMERCIAL PLANNED UNIT DEVELOPMENT (C-PUD), SECTION 86-124, APPLICATION REQUIREMENTS, SECTION 86-441, GRAND RIVER AVENUE (M-43) CORRIDOR ACCESS MANAGEMENT OVERLAY DISTRICT, AND SECTION 62-34, TENTATIVE PRELIMINARY PLAT, AND TO CREATE A NEW SECTION 86-130, TRAFFIC STUDY REQUIREMENTS, OF THE CHARTER TOWNSHIP OF MERIDIAN CODE OF ORDINANCES TO UPDATE THE STANDARDS THEREIN

THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:

Section 1. Section 62-34(1)(b)(14), Tentative preliminary plat, is hereby amended to read as follows:

~~A traffic assessment prepared by a qualified traffic engineer based, in whole or in part, on the most current edition of the handbook entitled Evaluating Traffic Impact Studies: a Recommended Practice for Michigan Communities, shall be required for an overall development (all phases included) which would generate between 50 and 99 directional trips during a peak hour of traffic. A traffic impact study prepared by a qualified traffic engineer and based on the same handbook shall be required for an overall development (all phases included) or for an individual phase of a development which would generate 100 or more directional trips during a peak hour or over 750 trips on an average day. Should a development be submitted in phases, the cumulative effect of each additional phase on those previously reviewed and approved shall be accounted for and documented within the traffic assessment or traffic impact study.~~

~~The requirement for a traffic assessment or traffic impact study may be waived by the Director of Community Planning and Development in the following instances:~~

- ~~a. The existing level of service is not determined to be significantly impacted by the proposed development due to the nature of the request or specific conditions at the subject site.~~
- ~~b. A similar traffic study was previously prepared for the subject site and is still considered applicable.~~

~~A traffic assessment or a traffic impact study may be required as specified in Section 86-130.~~

Section 2. Section 86-124(c)(6), Application Requirements, is hereby amended to read as follows:

~~A traffic study prepared by a qualified traffic engineer based, in whole or in part, on the most current edition of the handbook titled Evaluating Traffic Impact Studies: A Recommended Practice for Michigan Communities, published by the state department of transportation, when the following thresholds are met.~~

- ~~a. A traffic assessment shall be required for the following:
 
  - ~~1. New special uses which could generate between 50 to 99 directional trips during a peak hour of traffic.~~~~

1 ~~2.—Expansion or change of an existing special use where increase in intensity~~  
2 ~~would generate an additional 50 to 99 directional trips during a peak hour of~~  
3 ~~traffic.~~

4 ~~3.—All other special uses requiring a traffic assessment as specified in Article IV,~~  
5 ~~Division 2 of this chapter.~~

6 ~~b.—A traffic impact study shall be required for the following:~~

7 ~~1.—New special uses which would generate over 100 directional trips during a~~  
8 ~~peak hour of traffic, or over 750 trips on an average day.~~

9 ~~2.—Expansion or change of an existing special use where increase in intensity~~  
10 ~~would generate an additional 100 directional trips or more during a peak~~  
11 ~~hour of traffic, or over 750 trips on an average day.~~

12 ~~3. All other special uses requiring a traffic impact study as specified in Article IV,~~  
13 ~~Division 2 of this chapter.~~

14 A traffic assessment or a traffic impact study may be required as specified in  
15 Subsection 86-130.

16  
17 **Section 3.** Section 86-130, Traffic Study Requirements, is hereby created and reads as follows:

18  
19 (a) A traffic assessment prepared by a ~~qualified~~ **certified** traffic engineer based, in  
20 whole or in part, on the most current edition of the handbook entitled *Evaluating*  
21 *Traffic Impact Studies: a Recommended Practice for Michigan Communities*, shall  
22 be required for an overall development (all phases included) which ~~would~~ **is**  
23 **expected to** generate between 50 and ~~99~~ **249** directional trips during a peak hour  
24 of traffic.

25  
26 (b) A traffic impact study prepared by a ~~qualified~~ **certified** traffic engineer ~~and based~~  
27 ~~on the same handbook~~ **based, in whole or in part, on the most current edition**  
28 **of the handbook entitled *Evaluating Traffic Impact Studies: a Recommended***  
29 ***Practice for Michigan Communities***, shall be required for an overall  
30 development (all phases included) or for an individual phase of a development  
31 which would generate ~~100~~ **250** or more directional trips during a peak hour or  
32 over 750 trips on an average day. Should a development be submitted in phases,  
33 the cumulative effect of each additional phase on those previously reviewed and  
34 approved shall be accounted for and documented within the traffic assessment or  
35 traffic impact study.

36  
37 (c) The requirement for a traffic assessment or traffic impact study may be waived  
38 by the Director of Community Planning and Development in the following  
39 instances:

40 (1) The existing level of service is not determined to be significantly impacted  
41 by the proposed development due to the nature of the request or specific  
42 conditions at the subject site.

43 (2) A similar traffic study was previously prepared for the subject site and is still  
44 considered applicable.

45  
46 **Section 4.** Section 86-441(d)(7), Grand River Avenue (M-43) Corridor Access Management  
47 Overlay District, is hereby amended to read as follows:

1  
2 ~~Traffic impact study~~–A traffic assessment or a traffic impact study ~~is~~ may be  
3 required as specified in ~~Subsection 86-124(c)(6)~~ 86-130.

4  
5 **Section 5.** Section 86-444(g)(4)(1)(viii), Commercial Planned Unit Development (C-PUD), is  
6 hereby amended to read as follows:

7  
8 ~~A traffic study where the project will exceed 100 vehicle trips during the peak hour~~  
9 ~~of the adjacent roadway.~~

10 A traffic assessment or a traffic impact study may be required as specified in  
11 Subsection 86-130.

12  
13 **Section 6.** Validity and Severability. The provisions of this Ordinance are severable and the  
14 invalidity of any phrase, clause or part of this Ordinance shall not affect the validity  
15 or effectiveness of the remainder of the Ordinance.

16  
17 **Section 7.** Repealer Clause. All ordinances or parts of ordinances in conflict therewith are  
18 hereby repealed only to the extent necessary to give this Ordinance full force and  
19 effect.

20  
21 **Section 8.** Savings Clause. This Ordinance does not affect rights and duties matured, penalties  
22 that were incurred, and proceedings that were begun, before its effective date.

23  
24 **Section 9.** Effective Date. This Ordinance shall be effective seven (7) days after its publication  
25 or upon such later date as may be required under Section 402 of the Michigan Zoning  
26 Enabling Act (MCL 125.3402) after filing of a notice of intent to file a petition for a  
27 referendum.

28  
29 ADOPTED by the Charter Township of Meridian Board at its regular meeting this **XX**th day of  
30 **XXXXXXXX**, 2022.

31  
32  
33  
34 \_\_\_\_\_  
Patricia Herring Jackson, Township Supervisor

35  
36  
37 \_\_\_\_\_  
Deborah Guthrie, Township Clerk

**RESOLUTION TO RECOMMEND APPROVAL**

**Zoning Amendment #2022-08  
Traffic Study Update**

**RESOLUTION**

At the regular meeting of the Planning Commission of the Charter Township of Meridian, Ingham County, Michigan, held at the Meridian Municipal Building, in said Township on the 27th day of June, 2022 at 7:00 p.m., Local Time.

PRESENT: \_\_\_\_\_

ABSENT: \_\_\_\_\_

The following resolution was offered by \_\_\_\_\_ and supported by \_\_\_\_\_.

WHEREAS, Planning Staff has researched the traffic study regulations in the zoning ordinance in an attempt to modernize the language; and

WHEREAS, the language regulating traffic studies in the zoning ordinance has been found to be inconsistent between sections; and

WHEREAS, combining the several sections of traffic study regulations into a new section would help to streamline the zoning ordinance; and

WHEREAS, the updated language more accurately reflects current traffic study standards; and

WHEREAS, a draft ordinance to update the traffic study requirements was introduced to the Planning Commission on January 10, 2022; and

WHEREAS, the Planning Commission held a public hearing on the draft ordinance on March 28, 2022; and

WHEREAS, the draft ordinance was introduced to the Transportation Commission for review on June 16, 2022; and

WHEREAS, the current draft ordinance reflects suggestions from the Planning Commission and the Transportation Commission.

NOW THEREFORE BE IT RESOLVED THE PLANNING COMMISSION OF THE CHARTER TOWNSHIP OF MERIDIAN hereby recommends approval of Zoning Amendment #2022-08, to rewrite Section 62-34(1)(b)(14), Tentative preliminary plat; Section 86-124(c)(6), Application Requirements; Section 86-441(d)(7), Grand River Avenue (M-43) Corridor Access Management Overlay District; and Section 86-444(g)(4)(1)(viii), Commercial Planned Unit Development (C-PUD); and to create a new Section 86-130, Traffic Study Requirements.

ADOPTED: YEAS: \_\_\_\_\_

NAYS: \_\_\_\_\_

STATE OF MICHIGAN )

) ss

COUNTY OF INGHAM )

**Zoning Amendment #2022-08 - Traffic Study Update**

**June 23, 2022**

**Page 2**

I, the undersigned, the duly qualified and acting Chair of the Planning Commission of the Charter Township of Meridian, Ingham County, Michigan, DO HEREBY CERTIFY that the foregoing is a true and complete copy of a resolution adopted at a regular meeting of the Planning Commission on the 27th day of June, 2022.

---

Mark Blumer  
Planning Commission Chair



**To: Planning Commission**

**From: Brian Shorkey, AICP, Senior Planner**

**Date: June 23, 2022**

**Re: Text Amendment #2022-08 – Traffic Study Requirement Updates**

---

Planning staff has recently began looking at how to modernize our requirements for traffic studies. While investigating this issue, staff realized that there are four different sections of inconsistent language for different types of developments. This is an opportunity to streamline the code of ordinances and update the traffic study requirements to more accurately reflect current traffic study standards.

Planning staff introduced a draft ordinance to the Planning Commission on Monday, January 10, 2022 and a public hearing was held on March 28, 2022. At the Planning Commission’s request, the draft ordinance was presented to the Traffic Commission on June 16, 2022. The Traffic Commission had no comment on the draft ordinance and generally favored the changes.

As written and amended, the attached update achieves the following:

1. Creates a new section 86-130, Traffic Study Requirements, consolidating the standards in one location.
2. Strikes out existing inconsistent traffic study language and refers readers to the new language in Sec. 86-130.
3. Updates traffic impact study requirements from 100 to 250 directional trips over a peak hour and closes the gap that was pointed out by the Planning Commission between a traffic assessment and a traffic impact study
4. Specifies that an assessment or a study must follow the current edition of the handbook entitled *Evaluating Traffic Impact Studies: a Recommended Practice for Michigan Communities*
5. Ensures that a traffic assessment or impact study will be prepared by a certified traffic engineer.

### **Planning Commission Options**

The Planning Commission may recommend approval as written, recommend approval of a revised version, or recommend denial of the proposed zoning amendment. A resolution to recommend approval of the proposed zoning amendment is provided.

**Motion to adopt the resolution recommending approval of Zoning Amendment #2022-08 in accordance with the revised draft ordinance language.**

### **Attachments**

1. Resolution recommending approval to the Township Board
2. Clean version of Ordinance 2022-08 – Traffic Study Standards

**Ordinance Amendment #22-08 (Traffic Study Requirements)**  
**Planning Commission (June 27, 2022)**  
**Page 2**

3. Redlined version of Ordinance 2022-08 – Traffic Study Standards





**To: Planning Commission**

**From: Brian Shorkey, AICP, Senior Planner**

**Date: March 24, 2022**

**Re: Text Amendment #2022-08 – Traffic Study Requirement Updates**

---

Planning staff has recently began looking at how to modernize our requirements for traffic studies. While investigating this issue, staff realized that there are four different sections of inconsistent language for different types of developments. This is an opportunity to streamline the code of ordinances and update the traffic study requirements to more accurately reflect current traffic study standards.

Planning staff introduced a draft ordinance to the Planning Commission on Monday, January 10, 2022. Staff received several comments and suggestions from the Planning Commission and has updated the draft ordinance as necessary.

As written and amended, the attached update achieves the following:

1. Creates a new section 86-130, Traffic Study Requirements, consolidating the standards in one location.
2. Strikes out existing inconsistent traffic study language and refers readers to the new language in Sec. 86-130.
3. Updates traffic impact study requirements from 100 to 250 directional trips over a peak hour and closes the gap that was pointed out by the Planning Commission between a traffic assessment and a traffic impact study
4. Specifies that an assessment or a study must follow the current edition of the handbook entitled *Evaluating Traffic Impact Studies: a Recommended Practice for Michigan Communities*
5. Ensures that a traffic assessment or impact study will be prepared by a certified traffic engineer.

### **Planning Commission Options**

The Planning Commission may recommend approval as written, recommend approval of a revised version, or recommend denial of the proposed zoning amendment. A resolution to recommend approval of the proposed zoning amendment is provided.

**Motion to adopt the resolution recommending approval of Zoning Amendment #2022-08 in accordance with the revised draft ordinance language dated March 24, 2022.**

### **Attachments**

1. Resolution recommending approval to the Township Board
2. Clean version of Ordinance 2022-08 – Traffic Study Standards
3. Redlined version of Ordinance 2022-08 – Traffic Study Standards

Commissioner McConnell noted on page two, the third to last paragraph reads, "Commissioner McConnell asked storm water runoff and retention." Should read, "Commissioner McConnell asked about storm water runoff and retention."

VOICE VOTE: Motion approved unanimously.

## 6. COMMUNICATIONS-NONE

## 7. PUBLIC HEARINGS-NONE

## 8. UNFINISHED BUSINESS

### A. Planned Unit Development #22-014 – 3560 Hulett Road

Senior Planner Shorkey outlined Planned Unit Development #22-014, 3560 Hulett Road.

**Commissioner Richards moved to adopt the resolution recommending approval of Planned Unit Development #22-014. Seconded by Commissioner Premoe.**

Commissioner McConnell asked if condition seven on page two of the resolution is a universal condition.

Senior Planner Shorkey replied it is.

Chair Blumer stated he found the presentation by the citizen with the historic family connection to this property was very beneficial to the discussion.

ROLL CALL VOTE: YEAS: Commissioners Richards, Shrewsbury, Premoe, McConnell, Snyder, Vice-Chair Trezise, Chair Blumer

NAYS:

Motion carried: 7-0

### B. Text Amendment 2022-8 – Traffic Impact Study Standards

Senior Planner Shorkey outlined Text Amendment 2022-8, Traffic Impact Study Standards.

**Vice-Chair Trezise moved to adopt the resolution recommending approval of Zoning Amendment #2022-08 in accordance with the revised draft ordinance language. Seconded by Commissioner McConnell.**

ROLL CALL VOTE: YEAS: Chair Blumer, Commissioner Snyder, Vice-Chair Trezise, Commissioners Shrewsbury, Richards, Premoe, McConnell

NAYS:

Motion carried: 7-0

### C. Text Amendment 2022-12 – Refuse/Storage Container Regulations

Commissioner Shrewsbury asked about the strike outs in page four of the Ordinance.

Director Schmitt stated this is the first of a couple changes so instead of striking the section repeatedly they will simply be referring to the one and two family districts.

**Chair Blumer moved to waive the rules to allow action on this item tonight. Seconded by Commissioner Premoe.**

ROLL CALL VOTE: YEAS: Commissioners Premoe, Shrewsbury, Richards, McConnell, Snyder, Vice-Chair Trezise, Chair Blumer

NAYS: NONE

MOTION CARRIED: 7-0

**Commissioner Shrewsbury moved to approve Text Amendment 2022-07 – Delete RRR District. Seconded by Commissioner Premoe.**

ROLL CALL VOTE: YEAS: Commissioners Snyder, Vice-Chair Trezise, Commissioners Richards, Shrewsbury, Premoe, McConnell, Chair Blumer

NAYS: NONE

MOTION CARRIED: 7-0

Chair Blumer closed the Public Hearing at 8:00 pm.

#### **D. Text Amendment 2022-08 – Update Traffic Study Standards**

Chair Blumer opened the Public Hearing at 8:00 pm.

Senior Planner Shorkey outlined Text Amendment 2022-08 – Update Traffic Study Standards for discussion.

Commissioner McConnell asked why the number of trips used to trigger a traffic study or assessment is uniform when the impact can be very different depending on the road impacted.

Senior Planner Shorkey stated that other jurisdictions tend to use a “one size fits all” approach when it comes to traffic studies and assessments.

Commissioner Premoe asked if the Planning Commission still has the authority to make decisions on a request based on the Traffic Impact Study findings.

Senior Planner Shorkey stated they do.

Commissioner McConnell asked if this text amendment has been reviewed by the Transportation Commission.

Director Schmitt stated it has not but he would bring this to the Transportation Commission.

Senior Planner Shorkey stated he would reach out to the planning community to find out if others have used a tiered traffic study system.

The Planning Commission decided to refer this item back to staff and to have it brought forward again after the Transportation Commission has looked at it, and the Planning Commission's questions have been answered.

Chair Blumer closed the Public Hearing at 8:13 pm.

## 8. UNFINISHED BUSINESS

### A. Text Amendment 2022-02 – Zoning Board of Appeals standards of review

Director Schmitt outlined Text Amendment 2022-02 – Zoning Board of Appeals standards of review for discussion.

**Vice-Chair Trezise moved to approve Text Amendment 2022-02 – Zoning Board of Appeals standards of review. Seconded by Commissioner Snyder.**

ROLL CALL VOTE: YEAS: Commissioners McConnell, Shrewsbury, Richards, Snyder,  
Vice-Chair Trezise, Chair Blumer

NAYS: Commissioner Premoe

MOTION CARRIED: 6-1

### B. Text Amendment 2022-03 – Lake Lansing Residential Overlay District – Lot Coverage

Director Schmitt outlined Text Amendment 2022-03 – Lake Lansing Residential Overlay District – Lot Coverage for discussion.

**Commissioner Richards moved to approve Text Amendment 2022-03 – Lake Lansing Residential Overlay District – Lot Coverage. Seconded by Commissioner Shrewsbury.**

ROLL CALL VOTE: YEAS: Vice-Chair Trezise, Commissioners Snyder, Richards,  
Shrewsbury, Premoe, McConnell, Chair Blumer

NAYS: NONE

MOTION CARRIED: 7-0

### C. Text Amendment 2022-04 – Lake Lansing Residential Overlay District – Front Yard Setbacks

Director Schmitt outlined Text Amendment 2022-04 – Lake Lansing Residential Overlay District – Front Yard Setbacks for discussion.

- Corridor Improvement Authority (CIA) – Commissioner Cordill
- Downtown Development Authority (DDA) – Chair Blumer
- Environmental Commission (EC) – Commissioner McConnell
- Economic Development Corporation (EDC) – Vice Chair Trezise
- Transportation Commission (TC) – Commissioner Snyder
- Brownfield Redevelopment Authority (BRA) – Commissioner Premoe

Vice-Chair Trezise spoke on behalf of Commissioner Hendrickson stating he would continue to serve as liaison to the Zoning Board of Appeals.

ROLL CALL VOTE: YEAS: Commissioners McConnell, Cordill, Shrewsbury, Richards, Snyder, Premoe, Vice-Chair Trezise, Chair Blumer

NAYS: None

Motion carried: 8-0

C. Text Amendment 2022-01 – Fence Height

NONE

D. Text Amendment 2022-02 – Zoning Board of Appeals Standards of Review

Commissioner Cordill stated ZBA review criteria three, “Granting the variance is the minimum action which would carry out the spirit of this zoning ordinance, secure public safety, and provide substantial justice.” could instead read “Granting the variance is the minimum action which would carry out the spirit of this zoning ordinance, secure public safety, and provide reasonable use of the property.”

Commissioner Premoe stated language like “reasonable” and “justice” are too vague. He would like to see firmer language such as “accepted”.

Commissioner McConnell asked if other board and commissions would be asked to weigh in at public hearings for Ordinance changes.

Director Schmitt replied as Ordinance changes are brought forward the concerned board or commission would be contacted and their input on the change sought.

E. Text Amendment 2022-03 – Traffic Study Standards

Vice-Chair Trezise stated that section five of the traffic study seemed to be self-contradictory.

Director Schmitt explained projects expected to generate between 50 and 99 peak hour trips will trigger a traffic assessment which is a short undetailed document. Projects expected to generate 250+ peak hour trips, or a daily average of 750+ trips would trigger a traffic impact study which is a much more detailed report.

Commissioner Cordill asked what would be done with projects that generate between 100 and 249 trips.

Director Schmitt indicated that Staff would need to look into this issue.

Commissioner Cordill recommended to use the same language in the first and second paragraphs of section five.

Commissioner Cordill asked for clarification on part of section five that reads,

“Director of Community Planning and Development in the following instances:

- a. The existing level of service is not determined to be significantly impacted by the proposed development due to the nature of the request or specific conditions at the subject site.”

Director Schmitt gave an example stating if another bank decided to use the parcel that is now owned by Bank of America and proposed no additional changes to the site he would likely waive a traffic study.

Chair Blumer asked what defines someone as a qualified traffic engineer.

Commissioner Premoe asked if the traffic engineer would be licensed or have specific qualification.

Director Schmitt offered to follow up on specific qualifications.

Commissioner McConnell stated the reference to the manual, *Evaluating Traffic Impact 36 Studies: a Recommended Practice for Michigan Communities*, could be added at the end of section two and removed from section five entirely.

F. Text Amendment 2022-04 – Lot Coverage, Lake Lansing Residential Overlay

Commissioner Cordill recommended moving “and are 65 ft. in width” to follow after “of the front yards of residential lots” in section 1(9)a.

Commissioner McConnell asked how the township calculates front yards.

Director Schmitt replied Meridian Township typically defines a front yard as the front of the house to the street right-of-way line.

G. Text Amendment 2022-05 – Number of Decks permitted

NONE

**10. REPORTS AND ANNOUNCEMENTS**

A. Township Board update.

Director Schmitt reported the Township Board has not met since the last Planning Commission meeting.

B. Liaison reports.



**To:** Township Board

**From:** Timothy R. Schmitt, *AICP*  
Community Planning and Development Director

**Date:** July 5, 2022

**Re:** Text Amendment 2022-12 – Storage Pods and Temporary Container Units

Text Amendment #2022-12 is an ordinance update initiated by the Planning Staff to clarify the standards surrounding portable on-demand storage units (PODS) and temporary container units (often referred to as a dumpster or roll off). Staff receives regular questions and concerns about these items in residential areas and over the years have used some ordinance interpretations to regulate them. We’ve taken the opportunity at the beginning of the year, with the Planning Commission’s input, to put some standards in place for these two items, so there is no confusion going forward as to what is permitted and what isn’t.

The ordinance would create two new definitions, one for portable on-demand storage unit and one for temporary container unit, as during discussion with the Planning Commission it was clear that the two items could potentially be treated differently, in some specific circumstances. The ordinance would require someone to get permission to place one on their property and would establish where it can be located and how long it can be there. This will allow us to eliminate situations where these items become a ‘permanent’ fixture on a property or potentially a street.

The Planning Commission reviewed the matter at their April 11<sup>th</sup>, May 9<sup>th</sup>, June 13<sup>th</sup>, and June 27<sup>th</sup> meetings and offered a number of suggestions along the way to make the ordinance more workable for the average citizen. At the June 27<sup>th</sup> meeting, the Planning Commission unanimously recommended the ordinance for approval.

**Township Board Options**

The Township Board may approve or deny the proposed text amendment. If the Board amends the proposal, the request may be referred back to the Planning Commission for further analysis and recommendation. A resolution will be provided at a future meeting to Introduce the Ordinance for potential adoption.

**Attachments**

1. Clean version of Ordinance 2022-12 – Storage PODS and Temporary Container Units
2. Redlined version of Ordinance 2022-12 – Storage PODS and Temporary Container Units
3. Planning Commission resolution recommending approval to the Township Board
4. Staff memorandums dated April 7<sup>th</sup>, May 5<sup>th</sup>, June 9<sup>th</sup>, and June 23<sup>rd</sup>
5. Planning Commission minutes dated April 11<sup>th</sup>, May 9<sup>th</sup>, June 13<sup>th</sup>, and June 27, 2022

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ORDINANCE NO. 2022-12

AN ORDINANCE TO AMEND THE ZONING ORDINANCE OF THE CHARTER TOWNSHIP OF  
MERIDIAN TO CREATE SECTION 86-476 TO REGULATE STORAGE PODS AND TEMPORARY  
CONTAINER UNITS IN THE ZONING ORDINANCE

**THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:**

**Section 1.** Section 86-2, Definitions, is hereby amended to add the following definitions:

**Portable On-Site Deliverable Storage Units** – Also known as PODS. A transportable container or portable structure or other unit designed and use primarily for storage of building materials, household goods, personal items, and other materials outside an enclosed building, other than accessory building.

**Temporary Container Unit** – A portable and transportable bin designed and used for storage or disposal of building materials, household goods, personal items, or other materials outside an enclosed building, other than an accessory building.

**Section 2.** Section 86-476, Temporary Storage, is hereby created to read as follows:

- (a) Purpose. The purpose of this section is to regulate the use of temporary container units and PODS within the Township
- (b) No temporary container unit or PODS are permitted without written approval of the Community Planning and Development Director. In any case, all temporary container units and PODS are required to comply with the provisions of this Ordinance.
- (c) Temporary container units and PODS are permitted to be on a property for a period of not to exceed 30 days. The use of such units shall be limited to no more than twice during any twelve-month period.
- (d) A temporary container unit or PODS used in conjunction with a permitted home improvement or construction project are permitted for the duration of an active building permit.
- (e) No more than two temporary container units or PODS shall be permitted on a property at any time.
- (f) A PODS in the front yard must be placed on a driveway or other hard surfaced area. The Community Planning and Development Director may waive this requirement upon request.
- (g) A temporary container unit may be placed anywhere in the front yard outside of the road right-of-way, with the approval of the Community Planning and Development Director.
- (h) A temporary container unit or PODS may not be placed in a road right-of-way without written permission from the Ingham County Road Department.
- (i) Any temporary container unit or PODS in the side of rear yard must comply with the accessory building setbacks as outlined in Section 86.565.

**Section 3.** Validity and Severability. The provisions of this Ordinance are severable and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of the Ordinance.

1 **Section 4.** Repealer Clause. All ordinances or parts of ordinances in conflict therewith are  
2 hereby repealed only to the extent necessary to give this Ordinance full force and  
3 effect.  
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5 **Section 5.** Savings Clause. This Ordinance does not affect rights and duties matured, penalties  
6 that were incurred, and proceedings that were begun, before its effective date.  
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8 **Section 6.** Effective Date. This Ordinance shall be effective seven (7) days after its publication  
9 or upon such later date as may be required under Section 402 of the Michigan Zoning  
10 Enabling Act (MCL 125.3402) after filing of a notice of intent to file a petition for a  
11 referendum.  
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13 ADOPTED by the Charter Township of Meridian Board at its regular meeting this **XX**th day of  
14 **XXXXXXXX**, 2022.  
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Patricia Herring Jackson, Township Supervisor

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Deborah Guthrie, Township Clerk  
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ORDINANCE NO. 2022-12

AN ORDINANCE TO AMEND THE ZONING ORDINANCE OF THE CHARTER TOWNSHIP OF MERIDIAN TO CREATE SECTION 86-476 TO REGULATE STORAGE PODS AND TEMPORARY CONTAINER UNITS IN THE ZONING ORDINANCE

THE CHARTER TOWNSHIP OF MERIDIAN ORDAINS:

Section 1. Section 86-2, Definitions, is hereby amended to add the following definitions:

Portable On-Site Deliverable Storage Units – Also known as PODS. A transportable container or portable structure or other unit designed and use primarily for storage of building materials, household goods, personal items, and other materials outside an enclosed building, other than accessory building.

Temporary Container Unit – A portable and transportable bin designed and used for storage or disposal of building materials, household goods, personal items, or other materials outside an enclosed building, other than an accessory building.

Section 2. Section 86-476, Temporary Storage, is hereby created to read as follows:

- (a) Purpose. The purpose of this section is to regulate the use of temporary container units and PODS within the Township
- (b) No temporary container unit or PODS are permitted without written approval of the Community Planning and Development Director. In any case, all temporary container units and PODS are required to comply with the provisions of this Ordinance.
- (c) Temporary container units and PODS are permitted to be on a property for a period of not to exceed 30 days. The use of such units shall be limited to no more than twice during any twelve-month period.
- (d) A temporary container unit or PODS used in conjunction with a permitted home improvement or construction project are permitted for the duration of an active building permit.
- (e) No more than two temporary container units or PODS shall be permitted on a property at any time.
- (f) A PODS in the front yard must be placed on a driveway or other hard surfaced area. The Community Planning and Development Director may waive this requirement upon request.
- (g) A temporary container unit may be placed anywhere in the front yard outside of the road right-of-way, with the approval of the Community Planning and Development Director.
- (h) A temporary container unit or PODS may not be placed in a road right-of-way without written permission from the Ingham County Road Department.
- (i) Any temporary container unit or PODS in the side of rear yard must comply with the accessory building setbacks as outlined in Section 86.565.

Section 3. Validity and Severability. The provisions of this Ordinance are severable and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of the Ordinance.

1 **Section 4.** Repealer Clause. All ordinances or parts of ordinances in conflict therewith are  
2 hereby repealed only to the extent necessary to give this Ordinance full force and  
3 effect.  
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5 **Section 5.** Savings Clause. This Ordinance does not affect rights and duties matured, penalties  
6 that were incurred, and proceedings that were begun, before its effective date.  
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8 **Section 6.** Effective Date. This Ordinance shall be effective seven (7) days after its publication  
9 or upon such later date as may be required under Section 402 of the Michigan Zoning  
10 Enabling Act (MCL 125.3402) after filing of a notice of intent to file a petition for a  
11 referendum.  
12

13 ADOPTED by the Charter Township of Meridian Board at its regular meeting this **XX**th day of  
14 **XXXXXXXX**, 2022.  
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Patricia Herring Jackson, Township Supervisor

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Deborah Guthrie, Township Clerk  
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**RESOLUTION TO RECOMMEND APPROVAL**

**Zoning Amendment #2022-12  
POD & Container Regulation**

**RESOLUTION**

At the regular meeting of the Planning Commission of the Charter Township of Meridian, Ingham County, Michigan, held at the Meridian Municipal Building, in said Township on the 27th day of June, 2022 at 7:00 p.m., Local Time.

PRESENT: \_\_\_\_\_

ABSENT: \_\_\_\_\_

The following resolution was offered by \_\_\_\_\_ and supported by \_\_\_\_\_.

WHEREAS, Planning Staff has received questions from the public about the legality of Portable On-Site Deliverable Storage Units (PODS); and

WHEREAS, the Planning Commission held a public hearing for the text amendment at their regular meeting on June 13, 2022 and indicated support for the text amendment; and

WHEREAS, PODS are not regulated nor defined in the zoning ordinance; and

WHEREAS, refuse containers are also not regulated nor defined in the zoning ordinance; and

WHEREAS, the regulation of PODS and refuse containers will help to beautify the township.

NOW THEREFORE BE IT RESOLVED THE PLANNING COMMISSION OF THE CHARTER TOWNSHIP OF MERIDIAN hereby recommends approval of Zoning Amendment #2022-12, to add two new definitions to Sec. 86-2 – Definitions and to regulate PODS and containers in the township.

ADOPTED: YEAS: \_\_\_\_\_

NAYS: \_\_\_\_\_

STATE OF MICHIGAN )

) ss

COUNTY OF INGHAM )

I, the undersigned, the duly qualified and acting Chair of the Planning Commission of the Charter Township of Meridian, Ingham County, Michigan, DO HEREBY CERTIFY that the foregoing is a true and complete copy of a resolution adopted at a regular meeting of the Planning Commission on the 27th day of June, 2022.

\_\_\_\_\_  
Mark Blumer  
Planning Commission Chair



**To: Members of the Planning Commission**

**From: Brian Shorkey, AICP, Senior Planner**

**Date: April 7, 2022**

**Re: Text Amendment – Temporary Container Unit Regulations**

---

Planning Staff has received several concerns about storage containers around the township. Some of these containers are anecdotally known as PODS. This has prompted Staff to research this issue and create language to regulate temporary container unit.

The draft ordinance defines temporary container units by adding a new definition to Sec. 86-2, Definitions. It also creates language in Sec. 86-476 to regulate the temporary container units in the Township.

If the Planning Commission is interested in pursuing this, then Staff will finalize the ordinance and schedule a public hearing at a future Planning Commission meeting.

**Attachments**

1. Draft temporary container unit ordinance.



**To: Members of the Planning Commission**

**From: Brian Shorkey, AICP, Senior Planner**

**Date: May 5, 2022**

**Re: Text Amendment – Temporary Container Unit Regulations**

---

Planning Staff has received several concerns about storage containers around the township. Some of these containers are anecdotally known as PODS. This has prompted Staff to research this issue and create language to regulate temporary container units.

Planning Staff introduced a draft ordinance update to the Planning Commission at their April 11<sup>th</sup> meeting. The Planning Commission posed several questions to Staff and the draft ordinance has been updated in response.

The draft ordinance defines temporary container units and Portable On-Site Deliverable Storage Units (PODS) by adding two new definitions to Sec. 86-2 – Definitions. It also creates language in Sec. 86-476 to regulate the temporary container units and PODS in the Township.

If the Planning Commission is interested in pursuing this, then Staff will finalize the ordinance and schedule a public hearing at a future Planning Commission meeting.

**Attachments**

1. Draft temporary container unit ordinance.



**To: Members of the Planning Commission**

**From: Brian Shorkey, AICP, Senior Planner**

**Date: June 9, 2022**

**Re: Text Amendment – Temporary Container Unit Regulations**

---

Planning Staff has received several concerns about storage containers around the township. Some of these containers are anecdotally known as PODS. This has prompted Staff to research this issue and create language to regulate temporary container units.

Planning Staff introduced a draft ordinance update to the Planning Commission at their April 11<sup>th</sup> meeting and discussed it again at their May 9<sup>th</sup> meeting.

The draft ordinance defines temporary container units and Portable On-Site Deliverable Storage Units (PODS) by adding two new definitions to Sec. 86-2 – Definitions. It also creates language in Sec. 86-476 to regulate the temporary container units and PODS in the Township. A redline and clean versions of the draft ordinance are attached.

### **Planning Commission Options**

The Planning Commission may recommend approval as written, recommend approval of a revised version, or recommend denial of the proposed zoning amendment. A resolution to recommend approval of the proposed zoning amendment is provided.

**Motion to adopt the resolution recommending approval of Zoning Amendment 2022-12 in accordance with the revised draft ordinance language dated June 13, 2022.**

### **Attachments**

1. Resolution to recommend approval of Ordinance 2022-12
2. Draft temporary container unit ordinance – redlined.
3. Draft temporary container unit ordinance – clean.



**To: Members of the Planning Commission**

**From: Brian Shorkey, AICP, Senior Planner**

**Date: June 23, 2022**

**Re: Text Amendment – Temporary Container Unit Regulations**

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Planning Staff has received several concerns about storage containers around the township. Some of these containers are anecdotally known as PODS. This has prompted Staff to research this issue and create language to regulate temporary container units.

The draft ordinance defines temporary container units and Portable On-Site Deliverable Storage Units (PODS) by adding two new definitions to Sec. 86-2 – Definitions. It also creates language in Sec. 86-476 to regulate the temporary container units and PODS in the Township. A redline and clean versions of the draft ordinance are attached.

Planning Staff introduced a draft ordinance update to the Planning Commission at their April 11<sup>th</sup> meeting and discussed it again at their May 9<sup>th</sup> meeting. A public hearing was held on June 13, 2022 and the Planning Commission indicated support for the text amendment. No public concerns have been raised.

Staff is able to **recommend approval** of the proposed amendment at this time. A resolution recommending approval to the Township Board is included with this memo. The following motion has been prepared for the Planning Commission’s use:

**Motion to adopt the resolution recommending approval of Zoning Amendment 2022-12 in accordance with the revised draft ordinance language dated June 13, 2022.**

**Attachments**

1. Resolution to recommend approval of Ordinance 2022-12
2. Draft temporary container unit ordinance – redlined.
3. Draft temporary container unit ordinance – clean.

Senior Planner Shorkey stated the applicant suggested 220 as the cap, however the proposed resolution includes language that allows the student cap to be decided at the state level only.

Commissioner Richards asked if the proposed resolution addresses the student cap issue.

Senior Planner Shorkey replied that it does.

Chair Blumer asked what amendments have been made to the proposed resolution at this point.

Senior Planner Shorkey replied in condition three, "house" will be replaced with "addition". In condition five, "east" will be replaced with "west".

ROLL CALL VOTE: YEAS: Commissioner Snyder, Vice-Chair Trezise, Commissioners Richards Shrewsbury, Cordill, Premoe, McConnell, Chair Blumer

NAYS:

MOTION CARRIED: 8-0

## 9. OTHER BUSINESS

### A. Temporary Containers – Text Amendment Introduction

Senior Planner Shorkey outlined Temporary Containers – Text Amendment Introduction for discussion.

Commissioner McConnell asked how permission to use the containers would be communicated.

Senior Planner Shorkey replied permission would be communicated in some form of writing, such as an email.

Commissioner Shrewsbury stated limiting placement of temporary containers to driveways may be unrealistic for everyone.

Commissioner Richards asked if tying the use of a temporary container to the duration of a building permit is written in the Ordinance.

Senior Planner Shorkey replied it's written in section "C" of the Ordinance.

Commissioner Cordill stated a line giving the Director of Community and Planning discretion of the use and placement of temporary containers in certain circumstances may be helpful.

Commissioner Premoe stated there is a clause in the Ordinance stating permission may be granted to place a temporary container in the street.

Vice-Chair Trezise stated some developments may not have a driveway to place a container on until well into construction.

Chair Blumer stated a dumpster is used only during active construction. He further stated the “pods” are what can become semi-permanent storage and the Ordinance should more clearly define the use of “pods” and not temporary dumpsters.

Commissioner Richards suggested a permit be required if the use of a temporary container will exceed 30 days.

Commissioner Shrewsbury asked what would happen should someone violate this Ordinance.

Senior Planner Shorkey replied a Code Enforcement Officer would issue them a written warning, and eventually a ticket if they do not comply.

Commissioner Shrewsbury asked about the limitation of two 30 day periods in a 12 month window as it pertains to multi-family dwellings.

Senior Planner Shorkey stated he would look into it and come back with an answer.

#### B. PUD Decks – Text Amendment Introduction

Senior Planner Shorkey outlined PUD Decks – Text Amendment Introduction for discussion.

Commissioner Shrewsbury asked if the item before them is the redlined version.

Senior Planner Shorkey replied it is not. He stated the only section that will be changed is line 19, “except decks not to exceed 10% of the principle structure”.

Vice-Chair Trezise asked if this applies to cement patios, or just decks.

Senior Planner Shorkey replied he will look into it and that he would schedule a public hearing.

### **10. REPORTS AND ANNOUNCEMENTS**

#### A. Township Board update-NONE

#### B. Liaison reports

##### Vice-Chair Trezise

- Attended April 7<sup>th</sup>, Economic Development Corporation meeting where the Haslett Village developers withdrew their ask of \$800,000

##### Chair Blumer

- Attended April 4<sup>th</sup>, Downtown Development Authority meeting where there was a discussion on the township acquiring generic signs for local business direction during construction

ROLL CALL VOTE: YEAS: Commissioners McConnell, Cordill, Shrewsbury, Richards, Vice-Chair Trezise, Chair Blumer

NAYS: None

Motion carried: 6-0

~~C. Mixed-Use Planned Unit Development #22014 – 1621 & 1625 Haslett Road – Haslett Village~~

This item has been removed from the agenda.

**D. Temporary Containers – Text Amendment**

Senior Planner Shorkey outlined the Temporary Containers Text Amendment for discussion.

Vice-Chair Trezise asked if it should be made clear that in the case of multi-family developments that it is the building owner's responsibility to enforce the Ordinance.

Senior Planner Shorkey stated building owner enforcement is a strategy that is already used.

Commissioner McConnell stated this could be interpreted as targeting a business that provides this service.

Senior Planner Shorkey stated this Ordinance language has been used in other communities and "the pods" have become colloquial in Ordinance language.

Chair Blumer referred this item back to staff for revision.

**E. Bath Township Master Plan – Discussion**

Senior Planner Shorkey outlined the Bath Township Master Plan for discussion.

Commissioner McConnell stated he could not find their non-motorized transportation map, and stated we should see it for connectivity.

Commissioner McConnell stated if the Planning Commission has plans to write a letter to Bath Township they should complement the wetland Ordinance to protect priority wetlands especially in the context of climate change. He also suggested on Bath's goal to, "draft a landscape Ordinance for new commercial industrial mixed use developments to better manage storm water in an aesthetic way", to add language for managing storm water in light of expected changes in climate. He further stated the township could learn from Bath's goal to review Zoning Ordinances, amending as necessary to allow for missing middle housing.

Commissioner McConnell noted Bath Township's urban service boundary is missing from their maps.

**F. Zoning Board of Appeals Liaison – Appointment**

Director Schmitt overviewed the process for the Zoning Board of Appeals Liaison.

Motion Carried: 6-2

**Commissioner Richards moved to approve Text Amendment 2022-11 - Municipal Signage. Seconded by Vice-Chair Trezise.**

ROLL CALL VOTE: YEAS: Commissioner Shrewsbury, Richards, Premoe, Snyder,  
Vice-Chair Trezise, Chair Blumer

NAYS: Commissioners McConnell, Cordill

Motion Carried: 6-2

**C. Text Amendment 2022-12 – Refuse/Storage Container Regulations**

Senior Planner Shorkey outlined Text Amendment 2022-12 – Refuse/Storage Container Regulations for public hearing.

**Chair Blumer called for a Straw Vote.**

STRAW VOTE: YEAS: Vice-Chair Trezise, Commissioners Snyder, Richards,  
Premoe, Cordill, Shrewsbury McConnell, Chair Blumer

NAYS: None

RESULTS: 8-0

**8. UNFINISHED BUSINESS-NONE**

**9. OTHER BUSINESS**

**A. Special Use Permit #22-061 – Meridian Township Changing Message Signs**

Director Schmitt outlined Special Use Permit #22-061 - Meridian Township Changing Message Signs for discussion. He explained the sign may not display more than five different messages a day and the sign may not change more than one time in a minute.

Commissioner Richards noted the official name of the Township is the Charter Township of Meridian and not Meridian Township. This had led to a previous Clerk asking for a sign to be removed. Director Schmitt indicated he would look into this issue.

**Vice-Chair Trezise moved to adopt the resolution approving Special Use Permit #22-061, a request to install one changing message sign to be installed at the Municipal Building property at 5151 Marsh Road and another changing message sign to be installed at the Marketplace on the Green property at 1995 Central Park Drive. Both changing message signs shall not exceed 20 square feet in size. Seconded by Commissioner Shrewsbury.**

ROLL CALL VOTE: YEAS: Commissioners Richards, Shrewsbury, Cordill, Premoe, McConnell  
Snyder, Vice-Chair Trezise, Chair Blumer

NAYS: None

Commissioner McConnell noted on page two, the third to last paragraph reads, "Commissioner McConnell asked storm water runoff and retention." Should read, "Commissioner McConnell asked about storm water runoff and retention."

VOICE VOTE: Motion approved unanimously.

**6. COMMUNICATIONS-NONE**

**7. PUBLIC HEARINGS-NONE**

**8. UNFINISHED BUSINESS**

A. Planned Unit Development #22-014 – 3560 Hulett Road

Senior Planner Shorkey outlined Planned Unit Development #22-014, 3560 Hulett Road.

**Commissioner Richards moved to adopt the resolution recommending approval of Planned Unit Development #22-014. Seconded by Commissioner Premoe.**

Commissioner McConnell asked if condition seven on page two of the resolution is a universal condition.

Senior Planner Shorkey replied it is.

Chair Blumer stated he found the presentation by the citizen with the historic family connection to this property was very beneficial to the discussion.

ROLL CALL VOTE: YEAS: Commissioners Richards, Shrewsbury, Premoe, McConnell, Snyder, Vice-Chair Trezise, Chair Blumer

NAYS:

Motion carried: 7-0

B. Text Amendment 2022-8 – Traffic Impact Study Standards

Senior Planner Shorkey outlined Text Amendment 2022-8, Traffic Impact Study Standards.

**Vice-Chair Trezise moved to adopt the resolution recommending approval of Zoning Amendment #2022-08 in accordance with the revised draft ordinance language. Seconded by Commissioner McConnell.**

ROLL CALL VOTE: YEAS: Chair Blumer, Commissioner Snyder, Vice-Chair Trezise, Commissioners Shrewsbury, Richards, Premoe, McConnell

NAYS:

Motion carried: 7-0

C. Text Amendment 2022-12 – Refuse/Storage Container Regulations

Senior Planner Shorkey outlined Text Amendment 2022-12, Refuse/Storage Container Regulations.

**Commissioner McConnell moved to adopt the resolution recommending approval of Zoning Amendment 2022-12 in accordance with the revised draft ordinance language dated June 13, 2022. Seconded by Commissioner Snyder.**

ROLL CALL VOTE: YEAS: Commissioner Shrewsbury, Richards, Premoe, McConnell, Snyder,  
Vice-Chair Trezise, Chair Blumer

NAYS:

Motion carried: 7-0

## **9. OTHER BUSINESS - NONE**

## **10. REPORTS AND ANNOUNCEMENTS**

### A. Township Board update

Senior Planner Shorkey reported there is nothing new to report from the Township Board.

Chair Blumer asked for information about the water main break.

Commissioner Premoe reported there is roadwork on Haslett Rd. and Park Lake Rd. and a water main was hit.

Vice-Chair Trezise noted the road being worked on collapsed onto a 24 inch water main impacting water across roughly two-thirds of the township.

### B. Liaison reports

Commissioner Premoe

- Attended June 15<sup>th</sup> Zoning Board of Appeals meeting where the board denied a variance from an applicant on East Lake Dr.

Commissioner McConnell

- Attended June 16<sup>th</sup> Transportation Commission meeting where the Traffic Impact Study Draft Ordinance was discussed and there was a discussion to apply to become a bicycle friendly community and participated in an informal audit for a potential application for "safe route to school funding"

## **11. PROJECT UPDATES**

### A. New Applications

NONE

### B. Site Plans Received



13. D.

**To: Board Members**

**From: Dan Opsommer, Assistant Township Manager  
Director of Public Works and Engineering**

**Date: July 12, 2022**

**Re: Prospective resolution to the Legislature and Governor regarding local control under the Michigan Fireworks Safety Act**

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The Board has already adopted the most restrictive ordinance you are legally allowed to adopt under state law. The Board needs state lawmakers to allow for greater local control or to restore the statewide ban on most commercial fireworks that was in effect prior to 2011.

The growing issue with fireworks in Michigan was caused in 2011 when the state Legislature legalized the sale, purchase, and use of fireworks by adults 18 or older. The law the Legislature passed is the [Michigan Fireworks Safety Act, Public Act 256 of 2011 \(the law is linked here and attached to this memo for your review\)](#). Prior to this bill becoming law, it was unlawful to possess airborne fireworks and many other commercial fireworks in Michigan. We had one of the most restrictive laws in the entire nation, which is why firework use was far less than it is today.

The ban on most commercial fireworks made it much easier to enforce the law because simply possessing the fireworks was illegal. Now we have one of the least restrictive laws in the entire country and state law prevents local governments from regulating fireworks more strictly than state law. It's also terribly difficult to enforce the state law now because the number one enforcement mechanism was finding people in possession of illegal fireworks. It's difficult to catch people in the act of igniting them. This has always been true, but now there is nothing illegal about someone being in possession of the fireworks.

Additionally, the Michigan Fireworks Safety Act, as adopted in 2011, prohibited local governments from regulating the sale, purchase and use of fireworks more strictly than state law. Under this 2011 law, residents could use fireworks on the 30 days established in the law.

After residents pushed back on lawmakers for seven years, the Legislature then amended the law in 2018 to allow local governments to reduce the number of days that residents can legally use fireworks down to a minimum of 12-13 days, which the Meridian Township Board did on April 23, 2019 when it adopted the ordinance attached to this memo.

Under this 2018 amendment to state law, local governments must allow firework use on the following days beginning at 11 a.m.:

- Dec. 31 until Jan. 1 at 1 a.m.
- Saturday and Sunday before Memorial Day until 11:45 p.m.
- June 29 through July 4 until 11:45 p.m. each day
- July 5, if it falls on a Friday or Saturday, until 11:45 p.m. (this is why it is 12-13 days)

**Memo to Township Board**

**July 12, 2022**

**Page 2**

**Re: Prospective resolution to the Legislature and Governor regarding local control under the Michigan Fireworks Safety Act**

- Saturday and Sunday before Labor Day until 11:45 p.m.

**Here is data we have compiled regarding police, fire and EMS responses for firework-related calls:**

**Police Responses:**

- 2020 we had 57 responses
- 2021 we had 23 responses
- 2022 year-to-date, we have had 28 responses. These responses occurred on the following dates:
  - Jan, 12 and 31
  - May 14, 21, 28, 28, 30, 30
  - June 7, 9, 15, 24, 25, 25,
  - July 1, 3, 3, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5

**Fire and EMS Responses:**

In 2021 we had two responses:

- 1 Brush Fire
- 1 Citizen Complaint

In 2022 we have had four responses:

- 2 Brush Fires
- 1 Bomb Fire
- 1 smoke investigation at an apartment complex

No citations have been issued for fireworks. Again, it is very difficult to issue a citation under state law now as possessing fireworks is no longer illegal. We have to catch parties in the act of igniting them on a date and/or time when it is not permitted now due to state law.

**Attachments:**

1. Michigan Fireworks Safety Act, Public Act 256 of 2011
2. Chapter 26. Fire Prevention and Protection, Article I. Fireworks

**MICHIGAN FIREWORKS SAFETY ACT**  
**Act 256 of 2011**

AN ACT to revise, consolidate, and codify the laws relating to certain fireworks; to regulate the purchase, possession, sale, and use of certain fireworks; to establish a fireworks safety fund; to establish a fireworks safety fee; to provide for the transfer and expenditure of funds; to prescribe the powers and duties of certain state agencies; to provide for penalties and remedies; and to repeal acts and parts of acts.

**History:** 2011, Act 256, Eff. Jan. 1, 2012.

*The People of the State of Michigan enact:*

**28.451 Short title.**

Sec. 1. This act shall be known and may be cited as the "Michigan fireworks safety act".

**History:** 2011, Act 256, Eff. Jan. 1, 2012.

**28.452 Definitions.**

Sec. 2. As used in this act:

(a) "Agricultural and wildlife fireworks" means fireworks devices distributed to farmers, ranchers, and growers through a wildlife management program administered by the United States Department of the Interior or the department of natural resources of this state.

(b) "APA Standard 87-1" means the "APA Standard 87-1, Standard for Construction and Approval for Transportation of Fireworks, Novelties, and Theatrical Pyrotechnics", 2001 edition, published by the American Pyrotechnics Association of Bethesda, Maryland.

(c) "Articles pyrotechnic" means pyrotechnic devices for professional use that are similar to consumer fireworks in chemical composition and construction but not intended for consumer use, that meet the weight limits for consumer fireworks but are not labeled as such, and that are classified as UN0431 or UN0432 under 49 CFR 172.101.

(d) "Citation" means that term as described in section 17a.

(e) "Commercial manufacturer" means a person engaged in the manufacture of consumer fireworks.

(f) "Consumer fireworks" means fireworks devices that are designed to produce visible effects by combustion, that are required to comply with the construction, chemical composition, and labeling regulations promulgated by the United States Consumer Product Safety Commission under 16 CFR parts 1500 and 1507, and that are listed in APA Standard 87-1, 3.1.2, 3.1.3, or 3.5. Consumer fireworks does not include low-impact fireworks.

(g) "Consumer fireworks certificate" means a certificate issued under section 4.

(h) "Department" means the department of licensing and regulatory affairs.

(i) "Display fireworks" means large fireworks devices that are explosive materials intended for use in fireworks displays and designed to produce visible or audible effects by combustion, deflagration, or detonation, as provided in 27 CFR 555.11, 49 CFR 172, and APA Standard 87-1, 4.1.

(j) "Firework" or "fireworks" means any composition or device, except for a starting pistol, a flare gun, or a flare, designed for the purpose of producing a visible or audible effect by combustion, deflagration, or detonation. Fireworks consist of consumer fireworks, low-impact fireworks, articles pyrotechnic, display fireworks, homemade fireworks, and special effects.

(k) "Fireworks safety fund" means the fireworks safety fund created in section 11.

(l) "Homemade fireworks" means any composition or device designed for the purpose of producing a visible or audible effect by combustion, deflagration, or detonation that is not produced by a commercial manufacturer and does not comply with the construction, chemical composition, and labeling regulations of the United States Consumer Product Safety Commission under 16 CFR parts 1500 and 1507.

(m) "Local unit of government" means a city, village, or township.

(n) "Low-impact fireworks" means ground and handheld sparkling devices as that phrase is defined under APA Standard 87-1, 3.1, 3.1.1.1 to 3.1.1.8, and 3.5.

(o) "Minor" means an individual who is less than 18 years of age.

(p) "NFPA" means the National Fire Protection Association headquartered at 1 Batterymarch Park, Quincy, Massachusetts.

(q) "NFPA 1" means the "Uniform Fire Code", 2006 edition, developed by NFPA.

(r) "NFPA 72" means the "National Fire Alarm Code", 2002 edition, developed by NFPA.

(s) "NFPA 101" means the "Life Safety Code", 2009 edition, developed by NFPA.

(t) "NFPA 1123" means the "Code for Fireworks Display", 2010 edition, developed by NFPA.

(u) "NFPA 1124" means the "Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles", 2006 edition, developed by NFPA.

(v) "NFPA 1126" means the "Standard for the Use of Pyrotechnics Before a Proximate Audience", 2011 edition, developed by NFPA.

(w) "Novelties" means that term as defined under APA Standard 87-1, 3.2, 3.2.1, 3.2.2, 3.2.3, 3.2.4, and 3.2.5 and all of the following:

(i) Toy plastic or paper caps for toy pistols in sheets, strips, rolls, or individual caps containing not more than .25 of a grain of explosive content per cap, in packages labeled to indicate the maximum explosive content per cap.

(ii) Toy pistols, toy cannons, toy canes, toy trick noisemakers, and toy guns in which toy caps as described in subparagraph (i) are used, that are constructed so that the hand cannot come in contact with the cap when in place for the explosion, and that are not designed to break apart or be separated so as to form a missile by the explosion.

(iii) Flitter sparklers in paper tubes not exceeding 1/8 inch in diameter.

(iv) Toy snakes not containing mercury, if packed in cardboard boxes with not more than 12 pieces per box for retail sale and if the manufacturer's name and the quantity contained in each box are printed on the box, and toy smoke devices.

(x) "Permanent building or structure" is a building or structure that is affixed to a foundation on a site that has fixed utility connections and that is intended to remain on the site for more than 180 consecutive calendar days.

(y) "Person" means an individual, agent, association, charitable organization, company, limited liability company, corporation, labor organization, legal representative, partnership, unincorporated organization, or any other legal or commercial entity.

(z) "Retailer" means a person that sells consumer fireworks or low-impact fireworks for resale to an individual for ultimate use.

(aa) "Retail location" means a facility listed under NFPA 1124, 7.1.2.

(bb) "Rule" means a rule, as that term is defined in section 7 of the administrative procedures act of 1969, 1969 PA 306, MCL 24.207, promulgated by the department.

(cc) "Serious impairment of a body function" means that term as defined in section 58c of the Michigan vehicle code, 1949 PA 300, MCL 257.58c.

(dd) "Serious violation" means a violation of this act, an order issued under this act, or a rule promulgated or adopted by reference under this act for which a substantial probability exists that death or serious impairment of a body function to an individual other than the violator may result unless the violator did not and could not, with the exercise of reasonable diligence, know of the presence of the violation.

(ee) "Special effects" means a combination of chemical elements or chemical compounds capable of burning independently of the oxygen of the atmosphere and designed and intended to produce an audible, visual, mechanical, or thermal effect as an integral part of a motion picture, radio, television, theatrical, or opera production or live entertainment.

(ff) "State fire marshal" means the state fire marshal appointed under section 1b of the fire prevention code, 1941 PA 207, MCL 29.1b.

(gg) "Warehouse" means a permanent building or structure used primarily for the storage of consumer fireworks or low-impact fireworks.

(hh) "Wholesaler" means a person that sells consumer fireworks or low-impact fireworks to a retailer or any other person for resale. Wholesaler does not include a person that sells only display fireworks or special effects.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

### **28.453 Novelties; inapplicability of act.**

Sec. 3. This act does not apply to novelties. Nothing in this act allows a local unit of government to enact or enforce an ordinance, code, or regulation pertaining to, or in any manner regulating, the sale, storage, display for sale, transportation, use, or distribution of novelties.

**History:** 2011, Act 256, Eff. Jan. 1, 2012.

### **28.454 Sale of consumer fireworks; certificate required; violation as civil fine; penalty; application; requirements; issuance; validity; issuance of original or renewal certificate; sales tax license information; denial; transfer; display; prohibition; location or address; disposition of fees.**

Sec. 4. (1) A person shall not sell consumer fireworks unless the person annually obtains and maintains a consumer fireworks certificate from the department under this section.

(2) A person that fails or neglects to comply with subsection (1) is responsible for a civil fine as follows:

(a) For a first violation, not more than \$5,000.00. The department shall determine the amount of the fine imposed under this subdivision by applying a scale, as developed by the department, that reflects the severity of the violation.

(b) For a second violation, not more than \$20,000.00.

(c) For a third or subsequent violation, not more than \$40,000.00.

(3) An applicant for a consumer fireworks certificate shall do all of the following:

(a) Submit an application no later than April 1 of each year in which the applicant will sell consumer fireworks.

(b) Include on the application the name and address of each retail location from which the applicant will sell consumer fireworks.

(c) Submit with the application all of the following, as applicable:

(i) A nonrefundable consumer fireworks certificate fee of \$1,250.00 for each retail location that is a permanent building or structure or \$1,000.00 for each retail location that is not a permanent building or structure. If the application includes 10 or more retail locations that are not permanent buildings or structures, the fee described in this subdivision shall be \$700.00 for each of those locations.

(ii) For an applicant who applies for a consumer fireworks certificate for a retail location that is not a permanent building or structure and who does not hold a consumer fireworks certificate for a permanent building or structure, a bond in the amount of \$5,000.00 to secure the collection of estimated sales tax and fireworks safety fees.

(iii) A copy of the applicant's current sales tax license, including the applicant's account number, issued by the department of treasury for each retail location where the applicant will sell consumer fireworks.

(iv) Any other document required by the department.

(4) The department shall not issue an initial consumer fireworks certificate to an applicant until the department of treasury has confirmed to the department that each sales tax license submitted by the applicant is current and valid, and that the applicant is otherwise eligible to obtain a consumer fireworks certificate under this act.

(5) A consumer fireworks certificate issued under this section is valid from the date of issue until April 30 of the year following the year in which it is issued. A person may renew a consumer fireworks certificate for a retail location by making application on a form prescribed by the department certifying that all information on file with the department is true and correct, that the person's sales tax license for the retail location is current and valid, and that the person has properly remitted all required fireworks safety fees for the preceding year. The department may deny the renewal of a consumer fireworks certificate if the department determines that the applicant did not properly remit all of the required fireworks safety fees for all preceding years, or sales tax for any of the preceding 5 years, during which the applicant held a consumer fireworks certificate. The department shall provide to the department of treasury the sales tax license information received from the applicant and any additional information as may be necessary to allow the department of treasury to confirm that each sales tax license submitted by the applicant is current and valid. The department shall enter into an agreement with the department of treasury under section 28(1) of 1941 PA 122, MCL 205.28, that will allow the department of treasury to provide that information to the department.

(6) Not more than 30 days after an application and all required supporting documentation and fees are submitted to the department under this section, the department shall issue a consumer fireworks certificate to the applicant or deny the application. If the department denies the application, the department shall indicate to the applicant the reason for denial.

(7) If the department denies an application for a consumer fireworks certificate under this section, the applicant may cure any defect in the application within 45 days after the denial without paying an additional fee. The department shall not unreasonably delay or deny an application.

(8) A consumer fireworks certificate is transferable upon approval by the department and the payment of a \$250.00 transfer fee. The department shall approve the transfer of a consumer fireworks certificate unless the transferee does not satisfy the eligibility requirements for an original consumer fireworks certificate under this act. The department shall not process a request for a transfer of location between June 1 and July 31.

(9) The holder of a consumer fireworks certificate shall prominently display the original certificate or a copy of the certificate in the each retail location to which the certificate applies. A person that violates this subsection is responsible for a civil fine of \$200.00.

(10) The department shall not issue a consumer fireworks certificate to either of the following:

(a) A person that is ineligible under this act.

(b) A person that has an outstanding fine issued under this act not currently under appeal.

(11) The face of the consumer fireworks certificate must indicate the location or address for which it was issued.

(12) Fees collected under this section shall be deposited in the fireworks safety fund.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**Compiler's note:** In subsection (9), the words "certificate in the each retail location" evidently should read "certificate in each retail location."

**28.455 Sale of consumer fireworks from retail location; conditions; automatic sprinkler system; failure to comply; civil fine; insurance coverage; notice of dates and times of permissible use; form and content; conditions for sale over phone or internet.**

Sec. 5. (1) A person shall not sell consumer fireworks from a retail location unless all of the following conditions are met:

(a) Except as provided in subdivision (b), the retail location and any adjacent or directly associated retail storage satisfies the applicable requirements of NFPA 101 and NFPA 1124 for consumer and low-impact fireworks that are not in conflict with this act and the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to 125.1531. Any provision of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to 125.1531, that is inconsistent with the applicable requirements of NFPA 101 and NFPA 1124 is superseded to the extent of the inconsistency or conflict.

(b) If the retail location is a permanent building or structure, the building or structure is equipped with a fire suppression system in compliance with NFPA 1124. Beginning on the effective date of the 2018 act that added this sentence and notwithstanding the NFPA 1124 requirements regarding automatic sprinkler systems, if the retail location is in a permanent multitenant building or structure, the building or structure must be equipped with an automatic sprinkler system. The requirement for an automatic sprinkler system described in this subdivision does not apply to the retail location of a person that held a consumer fireworks certificate for a retail location of the same address in a permanent building or structure during the calendar year before the effective date of the 2018 act that added this sentence.

(c) The retailer at that retail location is licensed under section 3 of the general sales tax act, 1933 PA 167, MCL 205.53.

(d) The retailer has a valid federal taxpayer identification number. This requirement does not apply to a retailer that is a sole proprietorship.

(2) A person that fails or neglects to comply with subsection (1) is responsible for a civil fine of not more than \$2,500.00 for each violation. The department shall determine the amount of the fine imposed under this subsection by applying a scale, as developed by the department, that reflects the severity of the violation. Each day that a person is in noncompliance is a separate violation.

(3) During any period of time in which a person is selling consumer fireworks, the person shall add as an additional insured, or obtain and maintain public liability and product liability insurance coverage for, each retail location at which the person is selling consumer fireworks, in an amount not less than \$10,000,000.00 per occurrence. If the department determines that a person has failed or neglected to comply with this subsection, the department shall order the person to immediately cease operations and pay a civil fine of not more than \$5,000.00.

(4) A retailer shall provide with every purchase of consumer fireworks a notice listing the dates and times permitted under this act for the ignition, discharge, and use of consumer fireworks. The notice shall begin with the following statement: "State law permits, under MCL 28.457, the ignition, discharge, and use of consumer fireworks at the following times:". The retailer may provide the notice in a form and manner determined by the retailer, including, but not limited to, printing or stamping the notice on, or affixing the notice to, a receipt, bag, or the product being purchased, or a printed handout provided at the time of purchase. Posting the notice on a wall, window, display, or otherwise, at the retail location, does not satisfy the requirements of this subsection. A retailer who fails to provide the notice required by this subsection is responsible for a civil fine of \$100.00 for each day on which 1 or more violations occur. The department shall provide for the remittance of the fine collected under this subsection to the local law enforcement agency responsible for enforcing the notice requirement.

(5) A person shall not engage in the retail sale of consumer fireworks over the telephone, internet, or other like manner unless the consumer fireworks are picked up or shipped from a permanent location for which the person holds a valid consumer fireworks certificate.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**28.456 Website; establishment and maintenance by department; registration with low-impact fireworks retail registry; application fee; failure to register; civil fine.**

Sec. 6. (1) The department shall establish and maintain, or cause to be established and maintained, an internet website that has as its purpose the protection of the residents of this state who purchase, use, or transport fireworks. The website must include, but is not limited to, both of the following:

- (a) A list of every person that is issued a consumer fireworks certificate under section 4.
- (b) A low-impact fireworks retail registry.

(2) A person shall not sell low-impact fireworks unless that person registers with the low-impact fireworks retail registry not less than 10 days before selling the fireworks in each calendar year and pays a \$50.00 registry application fee for each retail location registered. For a person with multiple retail locations, the registry application fees in total shall not exceed \$1,000.00. A person that holds a valid consumer fireworks certificate issued under section 4 is not required to register with the low-impact fireworks retail registry.

(3) If the department determines that a person that sells low-impact fireworks at retail has failed to register as described in this section, the department shall order the person to immediately cease the sale of low-impact fireworks until the person complies with subsection (2) and pay a civil fine of not more than \$1,000.00. For a first violation of this section, if a person complies with subsection (2) within 30 days of receiving a notice of violation, the department shall waive the civil fine described in this subsection.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**28.457 Local ordinances.**

Sec. 7. (1) Except as provided in this act, a local unit of government shall not enact or enforce an ordinance, code, or regulation pertaining to or in any manner regulating the sale, display, storage, transportation, or distribution of fireworks regulated under this act.

(2) A local unit of government may enact an ordinance regulating the ignition, discharge, and use of consumer fireworks, including, but not limited to, an ordinance prescribing the hours of the day or night during which a person may ignite, discharge, or use consumer fireworks. If a local unit of government enacts an ordinance under this subsection, the ordinance shall not regulate the ignition, discharge, or use of consumer fireworks on the following days after 11 a.m.:

- (a) December 31 until 1 a.m. on January 1.
- (b) The Saturday and Sunday immediately preceding Memorial Day until 11:45 p.m. on each of those days.
- (c) June 29 to July 4 until 11:45 p.m. on each of those days.
- (d) July 5, if that date is a Friday or Saturday, until 11:45 p.m.
- (e) The Saturday and Sunday immediately preceding Labor Day until 11:45 p.m. on each of those days.

(3) An ordinance under subsection (2) shall impose a civil fine of \$1,000.00 for each violation of the ordinance and no other fine or sanction. The ordinance must provide for the remittance of \$500.00 of the fine collected under the ordinance to the local law enforcement agency responsible for enforcing the ordinance.

(4) Beginning August 1, 2019, a local unit of government with a population of 100,000 or more or a local unit of government located in a county with a population of 750,000 or more may enact or enforce an ordinance that regulates the use of a temporary structure. An ordinance established under this subsection may include, but is not limited to, a restriction on the number of permits issued for a temporary structure, regulation of the distance required between 2 or more temporary structures, or a zoning ordinance that regulates the use of a temporary structure. An ordinance established under this subsection may not prohibit the temporary storage, transportation, or distribution of fireworks by a consumer fireworks certificate holder at a retail location that is a permanent building or structure. As used in this subsection, "temporary structure" means a movable structure that is used in the sale, display, storage, transportation, or distribution of fireworks, including, but not limited to, a tent or a stand.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2018, Act 635, Imd. Eff. Dec. 28, 2018.

**28.458 Fireworks safety fee; imposition; payment; deposit in fireworks safety fund; failure to comply; civil fine.**

Sec. 8. (1) A user fee, known as the fireworks safety fee, is imposed on retail transactions made in this state for consumer fireworks and low-impact fireworks as provided in section 9.

(2) A person that acquires consumer fireworks or low-impact fireworks in a retail transaction is liable for the fireworks safety fee on the transaction and, except as otherwise provided in this act, shall pay the fireworks safety fee to the retailer as a separate added amount to the consideration in the transaction. The

retailer shall collect the fireworks safety fee as an agent for the state.

(3) The fireworks safety fee shall be deposited in the fireworks safety fund.

(4) A person that fails to collect a fireworks safety fee as required under this section is responsible for a civil fine as follows:

(a) For a first violation, not more than \$5,000.00. If the person is a retailer of low-impact fireworks and, within 30 days of receiving a notice of violation, the person remits to the department the estimated equivalent of the amount the person should have collected under this section, the department shall waive the civil fine described in this subdivision.

(b) For a second violation, not more than \$20,000.00.

(c) For a third or subsequent violation, not more than \$40,000.00.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

### **28.459 Fireworks safety fee; determination; rates; collection allowance.**

Sec. 9. (1) Except as provided in subsections (2) and (3), the fireworks safety fee is determined by the gross retail income from consumer fireworks and low-impact fireworks received by a retail merchant in a retail unitary transaction of consumer fireworks and low-impact fireworks and is imposed before any taxes are applied at the following rates:

FIREWORKS SAFETY FEE		GROSS RETAIL INCOME FROM THE RETAIL UNITARY TRANSACTION	
\$ 0		less than	\$ 0.08
\$ 0.01	at least \$ 0.08	but less than	\$ 0.24
\$ 0.02	at least \$ 0.24	but less than	\$ 0.40
\$ 0.03	at least \$ 0.40	but less than	\$ 0.56
\$ 0.04	at least \$ 0.56	but less than	\$ 0.72
\$ 0.05	at least \$ 0.72	but less than	\$ 0.88
\$ 0.06	at least \$ 0.88	but less than	\$ 1.04

(2) On a retail unitary transaction in which the gross retail income received by the retail merchant is \$1.04 or more, the fireworks safety fee is 6% of that gross retail income as determined before any taxes are applied.

(3) If the fireworks safety fee calculated under subsection (1) results in a fraction of 1/2 cent or more, the amount of the fireworks safety fee shall be rounded to the next additional cent.

(4) The retailer whose retail location is a permanent building or structure may retain 1% of the fireworks safety fees that the retailer collected under this section as a collection allowance.

**History:** 2011, Act 256, Eff. Jan. 1, 2012.

### **28.460 Fireworks safety fees; remittance; forms; manner; payment liability; past due amounts; aggregate filing; failure to remit; civil fine.**

Sec. 10. (1) A person that holds a consumer fireworks certificate or that is a retailer of low-impact fireworks is responsible for remitting all fireworks safety fees, as described in section 9, to the department. The person shall remit the fees collected with a form provided and in a manner prescribed by the department. The person shall hold in trust for the state the fees collected until those fees are remitted to the state. An individual who holds a consumer fireworks certificate or who is a retailer of low-impact fireworks is personally liable for the payment of the fees collected.

(2) The department may refer for collection to the department of treasury past due amounts of the fireworks safety fee consistent with section 13 of 1941 PA 122, MCL 205.13 or may initiate subrogation for collection within the department.

(3) A person that is responsible for remitting the collected fireworks safety fees under subsection (1) shall remit those fees no later than 20 days after the end of each preceding month. A person that operates 25 or more retail locations in this state that are permanent buildings or structures may remit the collected fees in an aggregate filing under 1 common identification number as determined by the department.

(4) A person that fails to remit the collected fireworks safety fees, as described in subsection (1), is responsible for a civil fine as follows:

(a) For a first violation, not more than \$5,000.00. If the person is a retailer of low-impact fireworks and, within 30 days of receiving a notice of violation, the person remits to the department the collected fees that are the subject of the violation, the department shall waive the civil fine described in this subdivision.

- (b) For a second violation, not more than \$20,000.00.
- (c) For a third or subsequent violation, not more than \$40,000.00.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**28.461 Fireworks safety fund; creation within department of treasury; investment; money remaining in fund; lapse; expenditures; delegation of inspection duties; program.**

Sec. 11. (1) The fireworks safety fund is created within the department of treasury.

(2) The state treasurer may receive money or other assets from any source for deposit into the fund. The state treasurer shall direct the investment of the fund. The state treasurer shall credit to the fund interest and earnings from fund investments.

(3) Money in the fund at the close of the fiscal year shall remain in the fund and shall not lapse to the general fund.

(4) The department shall expend money deposited in the fund as follows:

(a) One hundred percent of the money received from fireworks safety fees under section 8 to be used for the training of firefighters under the direction and approval of the firefighters training council established under the firefighters training council act, 1966 PA 291, MCL 29.361 to 29.377.

(b) One hundred percent of the money received from consumer fireworks certificate fees under section 4 to administer this act and to pay the costs of delegating inspections under this act to local units of government under subsection (5).

(c) One hundred percent of the money received from the fees collected under section 11 of the firefighters training council act, 1966 PA 291, MCL 29.371, to be used for the training of firefighters under the direction and approval of the firefighters training council established under the firefighters training council act, 1966 PA 291, MCL 29.361 to 29.377.

(5) The department may establish a program for delegating inspection duties under this act to 1 or more local units of government. If a local unit of government agrees to carry out inspections, the department shall pay 50% of the consumer fireworks certificate fee paid by each retail location inspected by the local unit of government and retain the remaining 50% of that fee. If a local unit of government declines to participate in the program described in this subsection, the department shall retain its inspection duties under this act.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2017, Act 145, Eff. Jan. 31, 2018;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**28.462 Prohibited conduct; permission required; violation as civil infraction; civil fine; sale to minor; definitions; violation of smoking prohibition; civil fine; signage.**

Sec. 12. (1) A person shall not ignite, discharge, or use consumer fireworks on public property, school property, church property, or the property of another person without that organization's or person's express permission to use those fireworks on those premises. Except as otherwise provided in this section, a person that violates this subsection is responsible for a state civil infraction and may be ordered to pay a civil fine of not more than \$500.00.

(2) A person shall not sell consumer fireworks to a minor. A person that violates this subsection shall be ordered to pay a civil fine of not more than \$1,000.00, or, for a second or subsequent violation of this subsection, a civil fine of not more than \$2,500.00. For a second or subsequent violation, the department shall suspend the person's consumer fireworks certificate for 90 days beginning on the date a civil fine is ordered. The age of an individual purchasing consumer fireworks shall be verified by any of the following:

(a) An operator's or chauffeur's license issued under the Michigan vehicle code, 1949 PA 300, MCL 257.1 to 257.923.

(b) An official state personal identification card issued under 1972 PA 222, MCL 28.291 to 28.300.

(c) An enhanced driver license or enhanced official state personal identification card issued under the enhanced driver license and enhanced official state personal identification card act, 2008 PA 23, MCL 28.301 to 28.308.

(d) A military identification card.

(e) A passport.

(f) Any other bona fide photograph identification that establishes the identity and age of the individual.

(3) An individual shall not discharge, ignite, or use consumer fireworks or low-impact fireworks while under the influence of alcoholic liquor, a controlled substance, or a combination of alcoholic liquor and a controlled substance. A person that violates this subsection is responsible for a state civil infraction and may be ordered to pay a civil fine of not more than \$1,000.00. As used in this subsection:

(a) "Alcoholic liquor" means that term as defined in section 1d of the Michigan vehicle code, 1949 PA

300, MCL 257.1d.

(b) "Controlled substance" means that term as defined in section 8b of the Michigan vehicle code, 1949 PA 300, MCL 257.8b.

(4) An individual who violates the smoking prohibition described in NFPA 1124, 7.3.11.1, regardless of the type or quantity of consumer or low-impact fireworks present, is responsible for a civil fine of \$1,000.00.

(5) Signage stating the smoking prohibition described in subsection (4) satisfies the requirements of NFPA 1124.

(6) A person shall not ignite, discharge, or use consumer fireworks or low-impact fireworks in a manner that is intended to harass, scare, or injure livestock. As used in this subsection, "livestock" means that term as defined in section 3 of the animal industry act, 1988 PA 466, MCL 287.703.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018;—Am. 2019, Act 138, Eff. Feb. 19, 2020.

#### **28.463 Repealed. 2018, Act 634, Imd. Eff. Dec. 28, 2018.**

**Compiler's note:** The repealed section pertained to requiring a wholesaler to maintain a resident agent.

#### **28.464 Identification of firework in violation of act; investigation; determination of violation; seizure; criminal or civil proceedings.**

Sec. 14. (1) A governmental or law enforcement agency that identifies a firework that is in violation of this act shall secure the firework and immediately notify the department of the alleged violation. The department or law enforcement agency shall investigate the alleged violation for compliance with this act.

(2) If the department or law enforcement agency determines through its investigation under subsection (1) that a violation of this act has occurred, except for a violation of section 6(2), the department or law enforcement agency may seize the firework as evidence of the violation. The department or law enforcement agency shall store, or cause to be stored, the evidence seized under this section pending disposition of any criminal or civil proceedings arising from the violation. If the person subject to criminal or civil proceedings under this section is found guilty, responsible, or liable for the violation, the person shall be required to pay the storage expense for the evidence seized.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

#### **28.465 Storage of seized fireworks; disposal or destruction; storage and disposal costs; use for training purposes.**

Sec. 15. (1) Fireworks seized for an alleged violation of this act shall be stored in compliance with this act and the rules promulgated under this act.

(2) Following a final disposition of an appeal of a conviction under this act that affirms the conviction, the department may dispose of or destroy any fireworks retained as evidence in that prosecution.

(3) A person from whom fireworks are seized under this act shall pay the actual costs of storage and disposal of the seized fireworks if found guilty, responsible, or liable for a violation under this act.

(4) The department may use fireworks described in subsection (2) for training purposes.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

#### **28.466 Articles pyrotechnic or display fireworks ignition; permit; competency and qualifications of operators; retention of fee.**

Sec. 16. (1) The legislative body of a city, village, or township, upon application in writing on forms provided by the department on the department's website and payment of a fee set by the legislative body, if any, may grant a permit for the use of agricultural or wildlife fireworks, articles pyrotechnic, display fireworks, consumer fireworks, or special effects manufactured for outdoor pest control or agricultural purposes, or for public or private display within the city, village, or township by municipalities, fair associations, amusement parks, or other organizations or individuals approved by the city, village, or township authority, if the applicable provisions of this act are met. After a permit has been granted, a permit holder may sell, possess, or transport fireworks for only the purposes described in the permit. A permit granted under this subsection is not transferable and shall not be issued to a minor.

(2) Before a permit for articles pyrotechnic or a display fireworks ignition is issued, the person applying for the permit shall furnish proof of financial responsibility by a bond or insurance in an amount, character, and form deemed necessary by the local governing authority to protect the public and to satisfy claims for damages to property or personal injuries arising out of an act or omission on the part of the person or an agent or employee of the person.

(3) The department shall not issue under this act a permit to a nonresident person for ignition of articles

pyrotechnic or display fireworks in this state until the person has appointed in writing a resident member of the bar of this state or a resident agent to be the legal representative upon whom all process in an action or proceeding against the person may be served.

(4) Before granting a permit under this act, the local governing authority shall rule on the competency and qualifications of an articles pyrotechnic and display fireworks operator, as furnished by the operator on the operator's application form, in accordance with the requirements provided under NFPA 1123, and on the time, place, and safety aspects of the display of articles pyrotechnic or display fireworks.

(5) A local unit of government that charges and collects a fee to issue a permit under this section shall retain the collected fee.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

#### **28.467 Conduct not prohibited by act.**

Sec. 17. Except as otherwise provided in this act, this act does not prohibit any of the following:

(a) A wholesaler, retailer, commercial manufacturer, or importer from selling, storing, using, transporting, or distributing consumer fireworks or low-impact fireworks.

(b) The use of fireworks by railroads or other transportation agencies or law enforcement agencies for signal purposes or illumination.

(c) The use of agricultural or wildlife fireworks.

(d) The sale or use of blank cartridges for any of the following:

(i) A show or play.

(ii) Signal or ceremonial purposes in athletics or sports.

(iii) Use by military organizations.

(iv) Use by law enforcement agencies.

(e) The possession, sale, or disposal of fireworks incidental to the public display of fireworks by wholesalers or other persons who possess a permit to possess, store, or sell explosives from the bureau of alcohol, tobacco, firearms, and explosives of the United States Department of Justice.

(f) Interstate wholesalers from selling, storing, using, transporting, or distributing fireworks.

(g) A person from parking a motor vehicle, or trailer, that is not being used for the storage of consumer fireworks, within 10 feet of a permanent building or structure used in the retail sale of consumer fireworks.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

#### **28.467a Issuance of citation by state fire marshal.**

Sec. 17a. (1) If, as a result of an inspection or investigation, the state fire marshal or the state fire marshal's designee believes that a person has violated this act, an order issued under this act, or a rule promulgated under this act, the state fire marshal or the state fire marshal's designee shall issue a citation not more than 90 days after the completion of the physical inspection or investigation.

(2) The state fire marshal or the state fire marshal's designee shall issue the citation described in subsection (1) to the holder of the consumer fireworks certificate for, or to a person conducting or directing the sale of consumer fireworks without a consumer fireworks certificate at, the retail location that is the subject of the inspection or investigation. A holder of a consumer fireworks certificate, or a person conducting or directing the sale of consumer fireworks without a consumer fireworks certificate, as described in this subsection, is responsible for the acts or omissions of an individual under that person's employ or control.

(3) Except as otherwise provided in this act, upon issuance of a citation, the state fire marshal may immediately suspend the consumer fireworks certificate of the person receiving the citation.

(4) Upon a proper petition, a court of competent jurisdiction may enjoin a violation of this act.

(5) All of the following apply to a citation issued by the state fire marshal or the state fire marshal's designee under this act:

(a) It shall be in writing.

(b) It shall state on its face that it is an allegation of a violation of this act, describe with particularity the nature of the violation, and include a reference to the provision, rule, or order alleged to be violated.

(c) It shall contain all of the following:

(i) The date of the citation.

(ii) The name and title of the individual who issued the citation.

(iii) The name and address of the person receiving the citation.

(iv) The actions necessary to bring the person receiving the citation into compliance, including the payment of a fine.

(v) A space for the signature of the person receiving the citation indicating that the person has received the

citation.

(vi) A space where the person receiving the citation may accept the citation and agree to comply or, in the alternative, indicate the person's intent to contest the citation.

(vii) A notice that the person receiving the citation must accept or reject the terms of the citation in writing within 15 days of the receipt of the citation.

(viii) A brief description of the administrative hearing process and the process for settlement as provided for by rule.

(d) A citation may either be mailed to the person receiving the citation by certified mail, return receipt requested, or delivered in person by the state fire marshal, or the state fire marshal's designee who issued the citation.

**History:** Add. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

#### **28.468 Violation of act; penalty; reimbursement of storage costs.**

Sec. 18. (1) Unless otherwise provided in this act, if a person violates this act, the person is guilty of a crime as follows:

(a) Except as otherwise provided in this section, a misdemeanor punishable by imprisonment for not more than 30 days or a fine of not more than \$1,000.00, or both.

(b) If the violation causes damage to the property of another person, a misdemeanor punishable by imprisonment for not more than 90 days or a fine of not more than \$5,000.00, or both.

(c) If the violation causes serious impairment of a body function of another person, a felony punishable by imprisonment for not more than 5 years or a fine of not more than \$5,000.00, or both.

(d) If the violation causes the death of another person, a felony punishable by imprisonment for not more than 15 years or a fine of not more than \$10,000.00, or both.

(2) In addition to any other penalty imposed for the violation of this act, a person that is found guilty of a violation of this act shall be required to reimburse the appropriate governmental agency for the costs of storing seized fireworks that the governmental agency confiscated for a violation of this act. This reimbursement shall be in a form and at a time as required by the department and as otherwise required by law.

**History:** 2011, Act 256, Eff. Jan. 1, 2012;—Am. 2012, Act 257, Imd. Eff. July 2, 2012.

#### **28.468a Citation for serious violation; fine; prosecution; payment of civil fines to department; collection proceedings.**

Sec. 18a. (1) Except as otherwise provided in this section, a person that receives a citation for a serious violation, an order issued under this act, or a rule promulgated under this act shall be assessed a civil fine of not more than \$1,000.00 for each violation.

(2) Except as otherwise provided in this section, a person that receives a citation for a violation of this act that is not a serious violation may be assessed a civil fine of not more than \$500.00 for each violation.

(3) Subsections (1) and (2) do not apply to violations for which a specific civil fine is provided by this act.

(4) The state fire marshal may request that the prosecuting attorney for the county in which a violation of this act occurred issue a complaint and request a warrant for the prosecution of an individual who commits a criminal violation of this act.

(5) A civil fine ordered under this act shall be paid to the department within 15 working days after the date the civil fine is ordered, not subject to further review, and credited to the fireworks safety fund.

(6) The department of treasury shall institute proceedings to collect any civil fines ordered but not paid under this act.

**History:** Add. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2013, Act 65, Imd. Eff. June 19, 2013;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**Compiler's note:** Act 65 of 2013 did not amend this section and evidently should not have been cited as amended.

#### **28.468b Issuance of certificate prohibited; revocation.**

Sec. 18b. (1) The department shall not issue, and an individual is ineligible to be issued, a consumer fireworks certificate if, as verified by the internet criminal history access tool (ICHAT) maintained by the department of state police, the individual was convicted of a felony involving theft, fraud, or arson.

(2) If due to a criminal conviction an individual will be ineligible for a consumer fireworks certificate on April 30 of the year following the year for which the individual currently holds a consumer fireworks certificate, the department shall revoke the current consumer fireworks certificate for the balance of the current year.

**History:** Add. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**28.468c Person ineligible to obtain consumer fireworks certificates; offenses; periods; sanctions.**

Sec. 18c. (1) A person that is found responsible for any of the following is ineligible, beginning on the date of the finding, to obtain a consumer fireworks certificate for the period of time indicated:

- (a) A second violation of section 4(1), 5 years.
- (b) A third or subsequent violation of section 4(1), 10 years.
- (c) A first violation of section 8(4), 1 year.
- (d) A second violation of section 8(4), 5 years.
- (e) A third or subsequent violation of section 8(4), 10 years.
- (f) A violation subject to section 18(1)(b), 1 year.
- (g) A violation subject to section 18(1)(c), permanently.
- (h) A violation subject to section 18(1)(d), permanently.

(2) A sanction imposed under subsection (1) shall be imposed in addition to any other penalty or sanction imposed for a violation of this act.

**History:** Add. 2012, Act 257, Imd. Eff. July 2, 2012;—Am. 2018, Act 634, Imd. Eff. Dec. 28, 2018.

**28.469 Inspections; delegation of authority and responsibility.**

Sec. 19. The department may delegate authority and responsibility to carry out inspections and other duties under this act.

**History:** 2011, Act 256, Eff. Jan. 1, 2012.

**28.470 Rules.**

Sec. 20. (1) The department shall promulgate rules under the administrative procedures act of 1969, 1969 PA 306, MCL 24.201 to 24.328, to administer this act, including, but not limited to, all of the following:

(a) Create uniform applications and other forms for dissemination to and use by local units of government under this act.

(b) Procedures for the collection of application fees and fireworks safety fees.

(c) Enforcement of regulatory duties.

(d) The enforcement of age limitations.

(2) Rules promulgated under this section shall conform to the following codes developed by the national fire protection association, except for any code provision that conflicts with this act:

(a) NFPA 1123, code for fireworks display.

(b) NFPA 1124, code for manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles.

(c) NFPA 1126, standard for the use of pyrotechnics.

(3) The rules promulgated under former chapter XXXIX of the Michigan penal code, 1931 PA 328, MCL 750.243a to 750.243e, pertaining to the display of articles pyrotechnic and display fireworks that are in effect on the effective date of this act shall remain in effect until rescinded or otherwise changed according to law, as provided for in section 31 of the administrative procedures act of 1969, 1969 PA 306, MCL 24.231.

**History:** 2011, Act 256, Eff. Jan. 1, 2012.

**28.471 Repealed. 2018, Act 305, Imd. Eff. June 29, 2018.**

**Compiler's note:** The repealed section pertained to a report by the state fire marshal.

Charter Township of Meridian  
Thursday, July 7, 2022

## Chapter 26. Fire Prevention and Protection

### Article I. Fireworks

#### § 26-1. Definitions.

[Ord. 2013-04, 7-23-2013; amended by Ord. No. 2019-06, 4-23-2019]

- (a) The following words, terms, and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

##### **ACT 256**

The Michigan Fireworks Safety Act, Public Act 256 of 2011, MCL § 28.451 et seq., as amended.

##### **APA STANDARD 87-1**

The 2001 APA Standard 87-1, Standard for Construction and Approval for Transportation of Fireworks, Novelties, and Theatrical Pyrotechnics, published by the American Pyrotechnics Association of Bethesda, Maryland.

##### **ARTICLES PYROTECHNIC**

Pyrotechnic devices for professional use that are similar to consumer fireworks in chemical composition and construction, but not intended for consumer use, that meet the weight limits for consumer fireworks but are not labeled as such, and that are classified as UN0431 or UN0432 under 49 CFR 172.101.

##### **COMMERCIAL MANUFACTURER**

A person engaged in the manufacture of consumer fireworks.

##### **CONSUMER FIREWORKS**

Fireworks devices that are designed to produce visible or audible effects by combustion, that are required to comply with the construction, chemical composition, and labeling regulations promulgated by the United States Consumer Product Safety Commission under 16 CFR Parts 1500 and 1507, and that are listed in APA Standard 87-1, 3.1.2, 3.1.3, or 3.5. "Consumer fireworks" does not include low-impact fireworks.

##### **DISPLAY FIREWORKS**

Large fireworks devices and explosive materials intended for use in fireworks displays and designed to produce visible or audible effects by combustion, deflagration, or detonation, as provided in 27 CFR 555.11, 49 CFR Part 172, and APA Standard 87-1, 4.1.

##### **FIREWORK or FIREWORKS**

Any composition or device, except for a starting pistol, a flare gun, or a flare, designed for the purpose of producing a visible or audible effect by combustion, deflagration, or detonation. Fireworks consist of consumer fireworks, low-impact fireworks, articles pyrotechnic, display fireworks, homemade fireworks, and special effects.

##### **HOLIDAYS**

For the purposes of this article, means the following dates, beginning at 11:00 a.m. on each day:

- (1) December 31 until 1:00 a.m. on January 1.
- (2) The Saturday and Sunday immediately preceding Memorial Day until 11:45 p.m. on each of those days.
- (3) June 29 to July 4 until 11:45 p.m. on each of those days.
- (4) July 5, if that date is a Friday or Saturday, until 11:45 p.m.
- (5) The Saturday and Sunday immediately preceding Labor Day until 11:45 p.m. on each of those days.

### **HOMEMADE FIREWORKS**

Any composition or device designed for the purpose of producing a visible or audible effect by combustion, deflagration, or detonation that is not produced by a commercial manufacturer and does not comply with the construction, chemical composition, and labeling regulations of the United States Consumer Product Safety Commission under 16 CFR Parts 1500 and 1507.

### **LOW-IMPACT FIREWORKS**

Ground and handheld sparkling devices, as that phrase is defined under APA Standard 87-1, 3.1, 3.1.1.1 to 3.1.1.8, and 3.5.

### **MINOR**

An individual who is less than 18 years of age.

### **NOVELTIES**

That term as defined under APA Standard 87-1, 3.2.2, 3.2.3, 3.2.4, 3.2.4 and 3.2.5 and all of the following:

- (1) Toy plastic or paper caps for toy pistols in sheets, strips, rolls, or individual caps containing not more than 0.25 of a grain of explosive content per cap, in packages labeled to indicate the maximum explosive content per cap.
- (2) Toy pistols, toy cannons, toy canes, toy trick noisemakers, and toy guns in which toy caps as described in Subsection **(1)** are used, that are constructed so that the hand cannot come into contact with the cap when in place for the explosion, and that are not designed to break apart or be separated so as to form a missile by the explosion.
- (3) Flitter sparklers in paper tube not exceeding 1/8 inch in diameter.
- (4) Toy snakes not containing mercury, if packed in cardboard boxes with not more than 12 pieces per box for retail sale and if the manufacturer's name and the quantity contained in each box are printed on the box, and toy smoke devices.

### **PERSON**

An individual, agent, association, charitable organization, company, limited liability company, corporation, labor organization, legal representative, partnership, unincorporated organization, or any other legal or commercial entity.

### **SKY LANTERN**

A balloon-type device which is uncontrollable after launch and uses combustible or flammable material to provide heat for lift or buoyancy into the atmosphere, and which is not a consumer firework.

Any other definitions listed in MCL § 28.452 and MCL § 28.462 as may be required to interpret this article.

**Cross reference:** Fireworks in parks, § 54-43.

**State law reference:** Fireworks, MCL 28.451 et seq.

## § 26-2. Ignition, discharge and use of low-impact and novelty fireworks.

[Ord. 2013-04, 7-23-2013; amended by Ord. No. 2019-06, 4-23-2019]

The use of low-impact fireworks and novelty fireworks is permitted year round between the hours of 8:00 a.m. and 11:00 p.m.

## § 26-3. Ignition, discharge and use of consumer fireworks.

[Ord. 2013-04, 7-23-2013; amended by Ord. No. 2019-06, 4-23-2019]

- (a) A person shall not ignite, discharge, or use consumer fireworks, except as provided for in this article.
- (b) A minor shall not possess consumer fireworks.

## § 26-4. Sky lantern.

[Ord. 2013-04, 7-23-2013]

A person shall not ignite, discharge, or use a sky lantern.

## § 26-5. Ignition, discharge, or use of consumer fireworks on public property, school property, church property or the property of another person.

[Ord. No. 2019-06, 4-23-2019<sup>[1]</sup>]

- (a) A person shall not ignite, discharge or use consumer fireworks on public property, school property, church property, or the property of another person without that organization's or person's express permission to use those fireworks on those premises.
- (b) A violation of this section is a civil infraction, punishable by a fine of not more than \$500.

[1] *Editor's Note: This ordinance also repealed former § 26-5, Enforcement, adopted by Ord. 2013-04, 7-23-2013.*

## § 26-6. Ignition, discharge, or use of consumer fireworks while under the influence.

[Ord. No. 2019-06, 4-23-2019<sup>[1]</sup>]

- (a) A person shall not ignite, discharge, or use consumer fireworks or low-impact fireworks while under the influence of alcoholic liquor, a controlled substance, or a combination of alcoholic liquor and a controlled substance.
- (b) As used in this section, "alcoholic liquor" means that term as defined in Section 1d of the Michigan Vehicle Code, MCL § 257.1d, as may be amended, and "controlled substance" means that term as defined in Section 8b of the Michigan Vehicle Code, MCL § 257.8b, as may be amended.

(c) A violation of this section is a civil infraction, punishable by a fine of not more than \$1,000.

[1] *Editor's Note: This ordinance also repealed former § 26-6, Seizure, adopted by Ord. 2013-04, 7-23-2013.*

## § 26-7. Regulations governing the use of consumer fireworks.

[Ord. No. 2019-06, 4-23-2019<sup>[1]</sup>]

- (a) The requirements of this section do not apply to the use of consumer fireworks during a holiday.
- (b) Any person wishing to stage a consumer fireworks display shall, at least 60 days prior to the display, submit an application on a form furnished by the Township and secure permission to stage that display from the Township Board.
- (c) A site plan of the area where the fireworks display is to be conducted shall be submitted with the application. The site plan shall set forth all structures in the area and the discharge site fallout area, as well as the distance separating the mortars and the spectators viewing the display. All site plans must be approved by the Township Fire Department prior to Township Board approval.
- (d) Every person who ignites, discharges, or uses consumer fireworks shall follow National Fire Protection Association (NFPA) Code 1123 for fireworks display, the requirements of the Act and regulations promulgated thereunder, and/or Township requirements, whichever is the most restrictive.
- (e) Every person who is granted a permit to ignite, discharge, or use consumer fireworks shall maintain personal liability insurance/property damage liability insurance in the amount of \$2,000,000 as a minimum during each event. Additional insurance may be required based upon conditions and/or location of the display. The Township and its employees and/or officers shall be named as additional named insureds on the insurance policy. The insurance policy must be submitted with the aforementioned application. The insurance policy shall also include coverage for the cleanup after the event has ended.
- (f) Any person using fireworks shall be responsible for all shells or devices being fired or burned. In the event any shell does not explode, the person shall secure the area until the unexploded shell is found and properly disposed of.
- (g) Smoking in an area where fireworks are being used is prohibited.
- (h) Nothing herein limits the liability of any individual for injury to any person or property as a result of the use of fireworks, including any fire suppression costs incurred as a result of improper, careless or negligent use of fireworks.
- (i) The applicant shall cause the site of the fireworks display to be cleaned up within 24 hours after the display has ended.

[1] *Editor's Note: This ordinance also repealed former § 26-7, Penalties and costs, adopted by Ord. 2013-04, 7-23-2013.*

## § 26-8. Dangerous conditions and no-burning restrictions.

[Ord. No. 2019-06, 4-23-2019]

- (a) No person may ignite, discharge, or use any firework if the State Fire Marshal, the commanding officer of the Township's Fire Department, or a firefighter in uniform acting under the orders and directions of the commanding officer of the Township's Fire Department determines that a dangerous or emergency condition exists, except in strict compliance with any restrictions or requirements imposed by such an individual.

- (b) If environmental concerns based on the Department of Natural Resources (DNR) Fire Division's criteria are elevated to "extreme" or to "very high" for 72 consecutive hours, the commanding officer of the Township's Fire Department, in consultation with the DNR, may enforce a no-burning restriction, including a ban on the ignition, discharge, and use of consumer fireworks within the Township. The governor, the DNR, or the State Fire Marshal may also enforce such a restriction statewide. If a no-burning restriction is implemented by the commanding officer of the Township's Fire Department, the public shall be given adequate notice of that restriction. No later than 24 hours after the fire conditions are downgraded from "extreme" or "very high" conditions, the commanding officer of the Township's Fire Department shall lift the restriction on the use of consumer fireworks, and shall inform the public in the same manner the restriction was announced if the commanding officer initiated the ban.

## § 26-9. Enforcement and seizure of fireworks; penalties.

[Ord. No. 2019-06, 4-23-2019]

- (a) This article may be enforced by any sworn law enforcement officers, the Fire Chief, Fire Inspector, Code Enforcement Officer, or any person authorized to issue appearance tickets or civil infractions.
- (b) If an enforcing official determines that a violation of this article or the Act has occurred, the official may seize the fireworks as evidence of such violation and store or cause those fireworks to be stored pending disposition of enforcement proceedings. Upon a finding of guilt, responsibility, or liability, the person so adjudged shall be required to pay all associated storage expenses.
- (c) Unless otherwise provided herein, any person who violates this article is guilty of a municipal civil infraction, which shall be punishable upon a finding of responsibility thereof by a fine not exceeding \$1,000. Upon a finding of responsibility, \$500 of that fine shall be remitted to the local law enforcement agency responsible for enforcing this article, if any.
- (d) Upon conviction, or finding of responsibility, for a violation of this article, law enforcement officials may surrender any fireworks retained as evidence for prosecution of the violation to the Department of Licensing and Regulatory Affairs for destruction as provided by Public Act 5939 of 2018, Section 15(2).

## § 26-10. through § 26-25. (Reserved)