



10405 Merrill Road
P.O. Box 157
Hamburg, MI 48139
(810) 231-1000
www.hamburg.mi.us

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

BOARD OF TRUSTEES REGULAR MEETING

Tuesday, May 07, 2024 at 2:30 PM
Hamburg Township Hall Board Room

AGENDA

CALL TO ORDER

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

CALL TO THE PUBLIC

CONSENT AGENDA

- [1.](#) Township Coordinator Report - April 2024
- [2.](#) Parks & Recreation - Approved Minutes - March 26, 2024
- [3.](#) Senior Center Report - April 2024
- [4.](#) Parks & Rec - Park Use Request - PYA (Football) - 2024 Season
- [5.](#) 4-2-24 Hamburg Township Board of Trustees Special Joint Meeting Minutes
- [6.](#) 4-16-24 River Run Sun SAD 2nd Public Hearing Minutes
- [7.](#) 4-16-24 Crystal Dr & Crystal Beach Sub SAD 2nd Public Hearing Minutes
- [8.](#) 4-16-24 Zukey & Redding Dr SAD 2nd Public Hearing Minutes
- [9.](#) 4-16-24 Teahan Meadows Sub SAD 2nd Public Hearing Minutes
- [10.](#) 4-16-24 Board of Trustees Regular Meeting Minutes
- [11.](#) 4-16-24 Board of Trustees Special Strategic Planning Meeting Minutes
- [12.](#) Parks & Rec - Hamburg Flyer's Field - Updates to Regulations - March 2024
- [13.](#) Bills List 05.07.24

APPROVAL OF THE AGENDA

UNFINISHED BUSINESS

- [14.](#) Administrative Fee Schedule Update – 24.25 FY - 2nd Reading
- [15.](#) Proposed Budget FY 24/25

CURRENT BUSINESS

- [16.](#) Updated Public Safety SOP
- [17.](#) Resolution to Establish 45-Day Special Assessment Pay-Off Schedule
- [18.](#) Winans Drive - Road Maintenance Contract Bid Results
- [19.](#) Zoning Map Amendment (ZMA) 24-0001
- [20.](#) Request for approval of HPUD amendment Chilson Commons shopping center
- [21.](#) Final Site Plan Application for General Planned Unit Development (GPUD23-001)
- [22.](#) AT&T Metro Act Right of Way Permit Extension

[23.](#) WWTP Licensing Compensation

[24.](#) DPW Ten Hour Workday

CALL TO THE PUBLIC

BOARD COMMENTS

ADJOURNMENT



Hamburg Township Offices
10405 Merrill Rd., P.O. Box 157
Hamburg, MI 48139
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To: Township Board of Trustees & Parks Committee

From: Deby Henneman, Township Coordinator, Parks, ADA, Grants, Ordinances

Re: Township Coordinator's Report – April 2024

Parks:

Bennett Park & Water Trail Access Improvements grant TF22-0107: Timeline has been received and concept plan is being worked on. We are proceeding with the phased “Park Within A Park” idea.

The Community Clean-Up event is Saturday, April 20, 2024 from 9AM-3PM, with the secure document shredding on site from Noon – 3PM at Township Hall. A post-event report will be made available for the May meeting.

Our new Community Service Sergeant, Megan Paul, reported that things went well with the first Tournament under her coordination. Packet approvals for events, which include Public Safety, have been copied to her so she is able to contact the applicant with further questions. Drone footage will be taken for each event so we can do a better analysis on parking/public safety needs for all events in the future.

I would like to thank the Legacy Center for their work with us in getting the soccer fields prepared for the season. They have been a great administrative resource over the years and I appreciate having them as a Parks & Recreation partner.

A recommended change to Park fees has been included in the Administrative Fee Schedule which was presented to the Board on April 16, 2024 for a first reading. Comments/edits are being taken, and a final document will be prepared for adoption for the first meeting in May or June. I have attached a copy for the committee's review.

A new volleyball net has been ordered and will be installed when it arrives. The court is in need of some repair for the edging, and more sand should be ordered once the repairs take place. I also obtained pricing for a second court.

We have been approached by a couple of entities in regards to “Reading” trails within our Township, and are in the process of coordinating those efforts. Plan to share more details at the meeting.

ADA

The transition plan updates went out to Department Heads and then to the Township Board at their Strategic Planning session held April 16, 2024. The focus for me this year will be to complete the physical inspections and to coordinate as many minor repairs as can be done by the end of the 24/25 FY.

Goals and Objectives can be seen in the packet for the meeting which can be found here:
<https://hamburg-mi.municodemeetings.com/>

Grants:

- The 2022 Trust Fund Grant #TF22-0107 must be completed by August 31, 2025.
- The 2023 Ralph C. Wilson, Jr. – Trail Maintenance Grant #IG-202324346 is still pending.

Ordinances

Updates to the Administrative Fee Schedule have been distributed for a first read by the Township Board at the April 16, 2024 meeting.

Ordinances can be found at:
[https://library.municode.com/mi/hamburg_township_\(livingston_co.\)/codes/code_of_ordinances](https://library.municode.com/mi/hamburg_township_(livingston_co.)/codes/code_of_ordinances)

Other projects:

- Update Counter “Cheat Sheets” for all Township Coordinator functions
- Organize and Scan all archive files into Docuware System based on Record retention
- Social Media Policy updates have been presented and are awaiting approval
- Ordinance Procedure has been presented and are awaiting input
- Property title clarification and re-zoning of parkland property is pending (with Zoning)
- Pickleball Signage to be Ordered – Rules and Regulations
- Flyer’s Field Signage to be Ordered – Rules and Regulations
- Flyer’s Field Safety Signage
- Donation capability/QR codes is pending with Treasury/Accounting
- Scheduling Software shortlist is being developed, and further demos will be scheduled
- Tear-down and possible replacement of Shed in West Park (for field supplies)
- Goal/Net Inventory project



**Hamburg Township
Parks & Recreation Committee
Regular Meeting
Hamburg Township Hall
Tuesday, March 26, 2024
3:00 p.m.**

1. Call to Order

Dolan called the meeting to order at 3:05 p.m.

2. Pledge to the Flag

3. Roll Call of the Parks & Recreation Committee

Board Members Present: Michniewicz, Dolan, Muck

Board Members Absent: Auxier, McCabe

Also present: Deby Henneman, Township Coordinator and Duane Hoeppner, Building & Grounds Superintendent

4. Call to the Public

A call was made with no response.

5. Approval of the Agenda

Motion by Michniewicz, supported by Muck, to approve the agenda as presented.

VOICE VOTE: Ayes: 3 (Auxier & McCabe Absent)

MOTION CARRIED

6. Approval of the Minutes

Motion by Michniewicz, supported by Dolan, to approve the minutes from the February 20, 2024 Regular Meeting, as presented.

VOICE VOTE: Ayes: 3 (Auxier & McCabe Absent)

MOTION CARRIED

7. Correspondence

Hamburg Historical Museum newsletter was received and filed.

8. Current Business

A. Eagle Scout Project Proposal is being worked on and will be presented once finalized.

9. Old Business

A. Parks & Recreation Master Plan/Pending Grants/Supervisor Report

1. Iron Belle Trail/Lakelands Trail – Supervisor Update

- Huron River free-span Bridge Project – No update.
- Ralph C. Wilson Jr. – Trail Maintenance Grant – Zukey Lake Footbridge – No update.

2. Park Master Design Plan Concept –Pending.
3. Bennett Park & Senior Center
 - TF22-0107 Bennett Park & Water Trail Access Improvements – Spicer Group Timeline was distributed to the Committee for reference. Group meeting to follow.
 - HERO Grant – Intergenerational Play Area Concept – No update.

B. Township Park Use Policy/Fee/Procedures

1. Park Use Policy updates – No updates
2. Park Use Fees – No updates

C. Administrative Services

1. Township Coordinator’s Report – March 2024 – Report received and filed
2. Senior Center Report – March 2024 – Report received and filed
3. Scholarship Request – None
4. Park Use Requests

A. Livingston County Concert Band – 2024 Outdoor Concert

Motion by Dolan, supported by Michniewicz, to recommend approval of the Park Use Request for the Livingston County Concert Band, to perform live in the park on June 25, 2024, with the contingency that the Clerk Department be provided all requested documents to their satisfaction, and that all fees be waived due to the nature of the event.

VOICE VOTE: Ayes: 3 (Auxier & McCabe Absent)

MOTION CARRIED

D. Special Projects

1. Baseball Dugout Renovation Project – Discussion took place regarding the dugouts and the possible need for further repairs before the roof(s) are replaced.

Motion by Dolan, supported by Michniewicz, to direct the Building & Grounds Superintendent, Duane Hoepfner, to obtain bids/recommendations from contractors for the following upgrades:

- Exterior Dugout Walls/Structure integrity
- Gravel improvements interior as well as pathways from parking lot
- Gravel improvements for all infields
- Weed control and squaring of all infields (future solution)

VOICE VOTE: Ayes: 3 (Auxier & McCabe Absent)

MOTION CARRIED

2. Bennett Park & Water Trail Access Improvements – Spicer Timeline attached for reference. Dolan reported that the Freedom River group is interested in partnering/volunteering with efforts for the kayak launch, and invited Parks & Recreation to attend their meeting at the Senior Center on 4/22/24 at 5:30 PM.

3. Scheduling Software RFP – Shortlist being prepared.

E. Sponsorships/Volunteerism

1. Amenities and Beautification Committee – No report

F. Signage and Community Awareness

1. Wayfinding & Safety Signage – No update

G. Risk Management (Insurance/ADA)

1. ADA Compliance in Parklands – Transition plan will be updated and sent out to Dept. Heads

10. Call to the Public

A call was made with no response.

11. Committee Comments

No comments were made.

12. Adjourn Meeting

Motion by Michniewicz, supported by Dolan, to adjourn the meeting.

VOICE VOTE: Ayes: 3 (Auxier & McCabe Absent)

MOTION CARRIED

Meeting adjourned at 3:36 p.m.

Respectfully submitted,

Deby Henneman, ADAC
Township Coordinator
Parks, ADA, Grants, Ordinances



April 18, 2024

To: Parks and Rec Committee
From: Julie Eddings
Re: Senior Center Director's Report

March Statistics:

- Monthly Attendance: 2067
- Daily Average: 109
- Number of New Members: 17

Upcoming Closures:

- Friday, March 29 for Good Friday

Correspondence:

- Maureen Kimmel Pampered Chef Donation

New Programming:

- Basket Weaving Class on May 2
- Cinco de Mayo Luncheon on May 3
- Financial Presentation with Edward Jones on May 8
- Tea Party on May 10
- 2U Vision Store on May 15
- Tiger Game at Comerica Park on May 15
- Foot Pain Workshop with Plymouth Physical Therapy Specialists on May 21
- Betty Brigade Informational Presentation on May 22
- Senior Celebration Day Sponsored by Livingston County Consortium on Aging on May 24
- BBQ Kickoff on May 31

Other Information:

- The Rummage Sale will be held May 18, 2024. We will start collecting items on May 1.



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Memorandum

Date: April 17, 2024

To: Parks and Recreation Committee
Hamburg Township Board of Trustees

From: Deby Henneman, Township Coordinator

Re: Pirate Youth Athletics (formerly HPYFA)– Use of Manly Bennett Park – East
Fields: **Football Practice Fields 1 & 2**

We are in receipt of a Park Use Application from the Pirate Youth Athletics dated March 25, 2024 for use of Football practice areas 1 & 2 located in Manly Bennett Park East for their fall season beginning August 1, 2024 and ending November 1, 2024.

The club has requested use of 2 Football practice areas, leaving field #3 (between Diamonds #1 & #4) available for use by others. They anticipate their number of participants at 100, and 150 people attending at any given time. Their use is on weekdays, leaving all fields available on the weekends, pending a couple of camps which they will schedule with me.

Should approval of the application be recommended as submitted, it should be done so with the contingency that a Certificate of Insurance naming Hamburg Township as Additional Insured be provided, that the Clerk Department be provided all requested documents to their satisfaction, and that use of the fields will not be allowed during East Park blackout dates. All field use will be scheduled with the Parks Department.



Hamburg Township Manly Bennett Park
Park Use Application

P.O. Box 157
10405 Merrill Road
Hamburg, Michigan 48139-0157
(810) 231-1000 Office X-218
(810) 231-4295 Fax

Item 4.

And Release of Liability & Indemnification Agreement

(Application must be submitted 60 days before requested use)

Applicant Information:

Event Sponsor (or name if family or individual use): _____

Name of Event: Football Practice & Camps

Type of Event: Football & Cheer Pom Park Use Category #: 4 - Event Use

Applicant Name: Pirate Youth Athletics (Jon Prescott)

Date(s) of Event: July 24th - November 1 Time(s) of Event: 5 pm to 9 pm

Applicant Address: PO box 741 hamburg MI 48139 Suite or Apt #: _____

Applicant City: Hamburg Townshipe State: MI Zip: 48139

Contact Person (present during use): Jon Prescott

Contact's Affiliation with Applicant: President of Pirate Youth Athletics

Contact's Phone: 810-522-7878 Contact's E-Mail: pirateyouthathletics@gmail.com

Event Co-applicant, if any: _____

All Co-applicants must also sign all applications and waivers.

Co-applicant relationship to Applicant: _____

Co-applicant's phone: _____

Insurance Information:

Insurance Carrier: K & K insurance

Certificate of Insurance must be provided by all applicants as outlined in Appendix B in the Park Facility Use Policy.

Policy #: 6BRPG0000007893500 Expiration Date: 09/26/2024

Limit of General Liability: 1,000,000 Occurrence each Aggregate _____

Umbrella Coverage Limit (if any): _____ Occurrence _____ Aggregate _____

Event Description: *(any information that doesn't pertain to your event please indicate not applicable)*

Please describe the event you propose to host: Football/Cheer Pom camps and Football practices

Total Number of participants/spectators/guests anticipated during event: 125

Average of participants/spectators/guests anticipated at any given time: 100

Site of Proposed Event; include all areas of the parklands that will be used: Football Fields 1 and 2

Include site plan drawing reflecting all areas of the Township Park and recreational facilities the event will effect

Will there be camping and trailer facilities? If so, are overnight stays anticipated: no

Number of Volunteers: 30 Are Volunteers trained?: yes

Please attach copy of Volunteer Handbook if applicable

Will tents be used?: no If so, please indicate locations: _____

Under no circumstances are tent stakes to be driven into asphalt surfaces. Tent locations must be pre-approved.

Will admission be charged? If so, how much: no

Parking fee charged? If so, how much: no Valet service available? no

Will Food/Beverages be served? If so, types of food and name of persons serving: no

For anything other than pre-packaged foods, Concession Application, Health Department License and Products Liability coverage is required.

Will there be Fireworks or any other pyrotechnic display? If so, describe: no

Insurance requirements to be established during the event review process as stated in Appendix B of the Park Facility Use Policy.

Will there be any animals present? If so, describe: no

Pets are not allowed in Parkland during events. Service Dogs are allowed with proper certification.

Will there be Amusement rides or games? If so, describe: no

Insurance requirements to be established during the event review process as stated in Appendix B of the Park Facility Use Policy.

Will there be a need for vehicles to be used on Township grounds? If so, describe: no

Personal vehicles require proof of Auto Liability based on the description of use and areas needing to be accessed during event.

Will there be a need for Emergency Responders over and above what is included in the Public Safety Fee? If so, describe: no

Hamburg Township reserves the right to require private security and/or emergency responders be present during any event.

Specific services required from the Township, if any: storage shed access

Other information regarding your event that you feel may be helpful: The electronic lock on the Shed intermittently wont unlock. We would like this to be replaced.

Organized Sports and/or Sporting Events:

Please indicate type of sports event: Regular Season (Games/Practices) Sports Tournament Other

If Tournament or other event, complete Event Description on Page 2 and provide additional details, if any:

Release of Liability & Indemnification Agreement

The approval of this park use request is contingent upon receipt of all requested information, review process of the Hamburg Township Parks & Recreation Committee, and approval of the Hamburg Township Board. The applicant may be required to provide additional information as is deemed necessary by the Parks & Recreation Committee and/or Township Board, and may be required to meet with the Parks Administrator and/or Parks Coordinator to supply additional information or to answer questions. If the Park Use Application is received less than 60 days prior to the requested event date, the Parks & recreation Committee and Township Board may process the application, however, the application fee may be increased in an amount to be determined by the Parks & Recreation Committee and/or the Township Board.

The undersigned acknowledges that he/she/they are authorized to sign this application on behalf of the applicant and that he/she/they have received a copy of all documents relating to the use of the park and recreational facilities including the Hamburg Township Park Facility Use Policy Rules and Regulations.

In further consideration of entering into this agreement, to the fullest extent permitted by law, the Applicant agrees to defend, pay on behalf of, indemnify, and hold harmless Hamburg Township, its elected and appointed officials, employees and volunteers, and others working on behalf of Hamburg Township against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from Hamburg Township, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which arises out of, or is in any way connected or associated with this contract.

The Applicant covenants and agrees that it will have a representative on the premises at all times to monitor the set-up, use and tear-down of the use and all activities related to thereto and under no circumstances shall the use of the park be granted or sublet to any other group or organization without the express written permission of the Hamburg Township Board of Trustees.

Any Applicant or group or entity co-hosting an event must provide a Certificate of Insurance naming Hamburg Township as an additional insured and proof of that coverage must be provided prior to the issuance of the permit for the event. The Applicant and/or co-host of any event must comply with all rules, regulations and policies of the Township pertaining to the said use and will be ultimately responsible for any and all damages to any Hamburg Township property resulting from the use, and shall otherwise restore the Township property to its previous condition.


Personal Property Damage Claims: The applicant hereby releases Hamburg Township, Its elected and appointed officials, employees and volunteers, and others working behalf of Hamburg Township, from any and all liability or responsibility to the applicant or anyone claiming through or under the applicant by way of subrogation or otherwise, for any loss or damage to applicant's property resulting from any incident, except damages resulting from the gross negligence of the Township, as it relates to the activities and uses contemplated by the application. It is understood by the applicant that all private property kept, stored or maintained in and on the Hamburg Township Park and recreational facilities shall be so kept, stored or maintained at the risk of the Applicant.

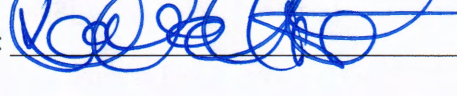
Initials: JP _____

Public Health & Safety: The applicant hereby swears and attests that they have complied with all aspects and intent, of Background Checks and that they are in compliance with the Michigan Sports Concession Law, Acts 342 & 343, Public Acts of 2012, as referenced in the Park Facility Use Policy and outlined in Appendix A. The applicant understands that falsification of the above statement and/or failure to comply with these requirements may result in the suspension and/or revocation of the use of the Hamburg Township parkland facilities.

Initials: JP _____

Applicant's Signature:  Date: 03/25/2024

Co- applicant's Signature:  Date: _____

Parks Coordinator:  Date: 4/17/24

For office use only

Comments: _____

Meeting Approval Dates: _____ Parks & Recreation _____ Public Safety _____ Township Board

Application has been (Circle one) Approved Denied

Hamburg Township Representative: _____



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TO: Township Board

FROM: Deby Henneman, Township Coordinator

DATE: May 1, 2024

AGENDA ITEM TOPIC: Park Use Request – PYA Football Season 2024

Number of Supporting Documents: **1 (Application Packet)**

Requested Action

Approval of Park Use Application from PYA for the 2024 Football Season as outlined in their application dated March 35, 2024, with the contingency that the Clerk Department be provided with all requested documents to their satisfaction, and that use of the fields will not be allowed during East Park Blackout dates.

Background

The application for PYA was recommended for approval at the April 30, 2024 Parks & Recreation Committee meeting. The following motion was made:

Motion by Muck, supported by Auxier, to recommend approval of the Park Use Request for PYA as presented, with the contingency that the Clerk Department be provided all requested documents to their satisfaction.

VOICE VOTE: Ayes: 5

MOTION CARRIED

All use for this group, including schedule changes, will be administrated by the Township Coordinator.



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Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

**HAMBURG TOWNSHIP BOARD OF TRUSTEES
Special Joint Meeting
Hamburg Township Hall Board Room
Tuesday, April 2, 2024
7:00 p.m.**

1. Call to Order

Supervisor Hohl called the meeting to order at 7:00 p.m.

2. Pledge to the Flag

3. Roll Call of the Board **Hamburg Township Board**

Present: Supervisor Hohl, Clerk Dolan, Treasurer Negri, Hughes (also on the Planning Commission), Michniewicz, Hahn, Menzies

Planning Commission

Present - Commissioner Hamlin, Commissioner Leabu, Commissioner Muir, Chairman Muck, Commissioner Priebe (also on Zoning Board of Appeals), Hughes (Trustee on the Township Board), Commissioner Mariani.

Zoning Board of Appeals

Present: Chairman Priebe (also on Planning Commission), Ignatowski, Russell, Rill, Negri (Trustee on the Hamburg Township Board)

Also, Present David Rohr, Planning and Zoning Director, Ted Michowski, Code enforcement officer.

4. Current Business

A. Planning and Zoning Department 2023 Year in Review

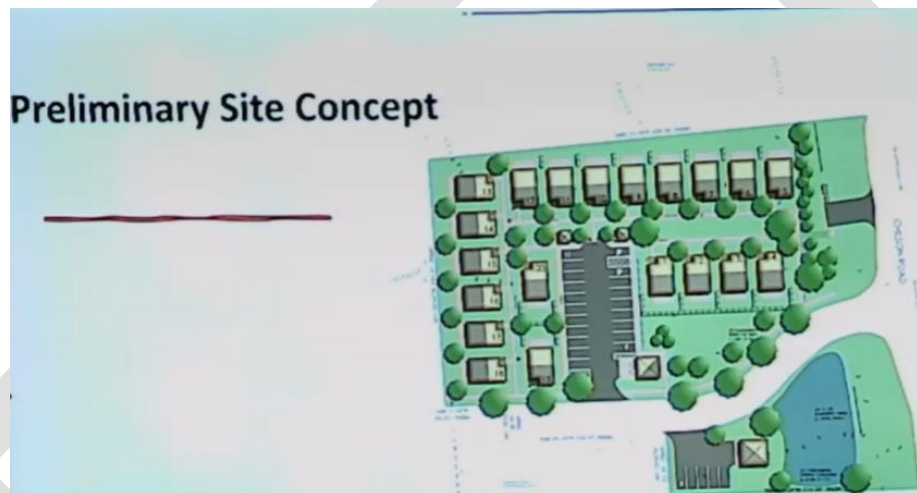
Rohr stated the number of permits in 2023 had reached a record high due to the hailstorm we had in June. This number should decrease in FY 2024. The number of Planning Commission and ZBA cases were on par with 2022. Many planning projects such as Murie Glen have expired and will need reapproval when they are

ready to move forward. He spoke about the complexity of managing the FEMA floodplain in our department. We recently found out the EGLE (Environment, Great Lakes and Environment) is playing a bigger part in most of the development occurring in our community. David let the joint board know that he is working closely with Livingston County and a few surveyors on the EGLE and FEMA aspect for development in our chain of lakes. Additional aspects of the 2023 Annual report were discussed.

David gave the floor to Eileen regarding her Community Catalysts Development Company proposal for building a tiny home community on identified properties in our community. Township Supervisor Pat Hohl let the joint boards know that we might need to make some minor amendments to our zoning ordinance. Eileen let the joint board know that they are a local, nonprofit organization with a mission to add quality, attainable housing for lower income people so that they can thrive in communities. This targeted group would be individuals making \$50, 000 or less per year in Livingston County. She let the group know that they have completed four projects in Livingston County. One was their office in Howell, second was a Recovery House and a third was the Building for Youth, both of which were done in partnership with other local nonprofits, Recovery Advocates in Livingston, and the Connection Youth Services respectfully. The final project was Bethel Suites which converted a 14-door hotel AKA Krest Motel into suites.

Eileen spoke about the next project that their group would like to do in Hamburg Township, called Bethel Cottages. This would be a tiny home pilot community of 20 units that would allow individuals to live where they work. They expect this community to serve seniors, young individuals and couples, and single parents with one or two children. They want to keep these homes in affordability in perpetuity. They are looking at two different ways to do ensure that these homes remain affordable moving forward. One is a land trust like Habitat for Humanity does. The second mechanism to keep the community units affordable is a community land trust but this is expensive. The property would be kept under ownership by a trust. An applicant signs an agreement that they only get a portion of the equity of the unit, but the other portion of equity is returned to the community. This is what allows the home to stay affordable. The seller doesn't get all of the equity, only a portion.

They have a partnership with several other nonprofits on this Bethel Cottages project which are Livingston County Habitat for Humanity, Livingston Churches and Businesses, Howell School District, Area banks, and Community Catalysts their sister nonprofit. She let the joint boards know that the parcel that they purchased is located at 5589 E. M-36, north of the Hamburg Village Shopping Plaza along Chilson Rd.



The Howell Building Trades Program for Tiny Homes has three built units that Eileen's group would like to utilize. She said she might be back when they find another parcel that is affordable to their nonprofit to purchase in Hamburg Township. The school district is finding that there are so many communities in Michigan that do not allow such tiny homes in their communities, that the school can't find a location to set these homes up.

Pat Hohl reminded the joint committees that there is a demand for this smaller type of home as they have seen with Regency Village. These units would make living here in Hamburg affordable to this part of society that is struggling to meet all their bills. This close local makes this community a walkable community to most amenities in our community and to the Lakeland Trail. The average household income in Hamburg Township is \$109,000 household annually and the average true cash value is over \$300,000 per household.

Clerk Dolan asked Eileen how were the applicants going to be chosen for living in this community? Will it be a first come, first serve? Eileen said the income level

would be the first factor, and then it would be based on a first come, first served basis. Applicants over the 20th mark would be placed on a waiting list.

Most of the members of the joint committee agreed that we need this type of community to make living in Hamburg Township affordable, especially for Veterans who are on a limited pension from the military. Commissioner Leabu asked Eileen what their selling point for each unit would be. She said \$150,000. She said that they would pay more to develop each unit, covering the other amount through nonprofit fundraising.

Commissioner Hamlin mentioned that we have two different cottage focused developments targeting two different age groups; echo is for elderly and the cottages are for younger people. The way our ordinance reads, you can't combine these two-age group housing as they are targeted towards different zoning districts. Hamlin did some calculations and according to the rules, this community would only be allowed 14 units geared towards the elderly. He said that this would be discriminatory towards younger people.

Commissioner Hughes shared that she when her husband died, and she needed to sell her expensive home, she would have been willing to give \$150,000 to this nonprofit organization but she would want to live in one of their units until she died. That would be a great option to help make this community affordable and sustainable. Eileen shared that their organization does not usually use government funds to build their communities. They look for the communities that they locate these units into to provide their funding. Our organization believes that the community wants to help others in their own community to be able to afford such housing.

Pat Hohl reminded the group about the Open Space ordinance of the early 1990's. In Hamburg Township, there are about 45 such developments. It was innovative, useful, and a favorable development tool. The township won a lot of awards for developing these sites as open space communities. This type of development helped to consolidate homes, cut down infrastructure costs, and perpetually restricted open space by deed. We should look at these tiny home communities in much of the same way. Pat said that the Echo is age-based housing of the 1990's. Can we create a mechanism to amend our ordinance for income-based housing or a nonprofit aspect where they can build such developments? He said he would have to run it past the township attorney.

Eileen said that they would have to set up an HOA mechanism if a land trust wasn't set up, to allow the community to function for low income. Commissioner Chair Muck said he would have more faith in a community or land trust to ensure that the common areas were well maintained, than if a HOA was established. Eileen mentioned that some banks use a homeowner assistance downpayment mechanism to help people afford getting into a new home.

2023 Code Enforcement Year in Review

Ted Michowski spoke about 2023 code enforcement issues and inspections (*please see 2023 annual report*).

Ted let the joint committees know that there have been numerous complaints about chickens on WFR district zoned properties as well as Airbnb's. Ted said most of the residents have been compliant with his follow up letters.

Member Ignatowski asked when the short-term rental ordinance get codified. David let him know that it was published and codified last fall. He also brought to the joint board's attention that the Zoning Ordinance short-term rental states that if a home does not meet the setbacks required by its district zoning rules, then it can't be approved for such a use. Ted and David let the group know that we had to deny two short-term rental applications based on this stipulation. David let Member Chair and Commissioner Priebe know that such applications would be a new use, so current standards apply. If they do not meet their setbacks for this new use, then they must be denied. Ted let the group know that there is a pending lawsuit for residents that are using their homes as Airbnb's, against their master deeds. Ted let Commissioner Leabu know that the township does not enforce their HOA master deed rules, but that falls on them to enforce such rules.

Commissioner Hamel asked if we have a list of the properties that are registered and unregistered. David said we only have a list of those that are registered. We don't know all the ones that are not registered. Ted let the joint commissioners know that we are starting a new process with the New Dangerous Buildings ordinance. Pat Hohl said that Ted does an excellent job with getting people to comply with our ordinance, without taking them to court. Pat said in years past he remembered that the township was in court all the time.

Township Trustee Michniewicz asked what was going on with the Kress Road old Blue Front Party Store. David let her know that the owner did not move forward with his approved site plans and the site plan approval expired. He said the parcel is up for sale again. More conversation ensued regarding fire suppression of the 2 upper residential units and that the owner needed to talk with the building department regarding their requirements.

Commissioner Hamel asked what was happening with the storage facility that had been approved back in December of 2022. David let him know that the approved site plan had expired as well. Trustee Menzies asked what was happening with the old gas station across from the new one. David said that is a great question; that nothing has been submitted yet. He said that he has heard lots of rumors about the building of a car wash there. David said that lot would be too small for a car wash.

Pat Hohl asked if the joint board members had any directives for David to work on. Commissioner Hamel recommended combining the Echo and the Cottage ordinances. Trustee Hughes mentioned that the solar energy and windwheel energy large scale stuff has been kicked over the Public Service Commission. She said she didn't know if that would stay there since there

were many court changes regarding this issue. David should keep an eye out if anything changes at the state level that we ensure that our local ordinance matches such changes. She also mentioned that she did not know if the state legislature would weigh in on short-term rentals. She said she would hope that David is keeping an eye on this issue as well, to ensure our ordinance matches the state decisions.

Trustee Hahn asked what kind of business or work plan to help allow the tiny house community to be built affordably. He asked if there should be some leader appointed from the Planning Commission, Zoning Board of Appeals or Township Board to help lead this charge? The person could help find a piece of property, find funding, etc.

Pat Hohl said that if we modify the ordinance to allow her to do this tiny home community then she can build it. She calls this a pilot project. If the ordinance is amended, to allow this in this area, then it opens the entire Village Center district. Once this is completed, it is not going to take a lot of work once the ordinance is changed. Commissioner Leabu said he has been studying these cottage developments and they have a focus on high-end development, with each unit costing around \$500,000 each. Pat mentioned there are some cottage developments going up in Chelsea, Michigan senior living is high but beautiful. They average about \$400,000 each; some of the 800 SF units are \$600,000. We need to be careful not to steer commerce too much since local government should not be in the business of driving the market.

Bill Hahn went back to his original comments, and Pat offered that David, and he would report back to the Township Board at every meeting regarding where they are in their work by changing the zoning ordinance and working with Eileen on this project. Commissioner Hamlin mentioned that he had asked for the Murie Glen developer to put in their by-laws that there needs to be an owner-occupied investment for purchases. This would avoid the purchase of houses by investors who want to buy and then rent the houses out, such as Airbnb. Could we put that in an ordinance? Trustee Michniewicz stated that there were different tax rates for owner occupied verses the renting out homes, reducing the homestead tax credit if rented out over 50% of the year. Pat said that this is an assessing issue, and this is not in the ordinance. Pat confirmed that that the Planning Commission will need to have a couple of working sessions to work on changing the ordinance to streamline and facilitate this type of community in our township.

5. Adjournment

Planning Commission- Motion to adjourn by Chair Muck, seconded by Commissioner Leabu.

VOTE: MOTION CARRIED UNANOMOUSLY

Zoning Board of Appeals-Motion to adjourn by Member Ignatowski, seconded by Member Rill.

VOTE: MOTION CARRIED UNANOMOUSLY

Board- Motion to adjourn by Trustee Treasurer Negi, seconded by Trustee Michniewicz.

VOTE: MOTION CARRIED UNANOMOUSLY

Meeting adjourned at 8:23 p.m.

Respectfully submitted by Lisa Perschke.

Planning and Zoning Coordinator,

Courtney L. Paton
Recording Secretary

Mike Dolan
Township Clerk



10405 Merrill Road
P.O. Box 157
Hamburg, MI 48139
(810) 231-1000
www.hamburg.mi.us

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

RIVER RUN SUBDIVISION SAD 2ND PUBLIC HEARING

Tuesday, April 16, 2024 at 5:30 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

The meeting was called to order at 5:30 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

PRESENT

- Bill Hahn
- Chuck Menzies
- Cindy Michniewicz
- Jason Negri
- Mike Dolan
- Pat Hohl
- Patricia Hughes

CALL TO THE PUBLIC

A call was made with no response.

APPROVAL OF THE AGENDA

Motion by Negri, Seconded by Michniewicz, to approve the agenda as presented.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

UNFINISHED BUSINESS

None.

April 16, 2024

CURRENT BUSINESS

1. River Run Subdivision Road Improvement SAD - 2nd Public Hearing
 The public hearing was opened at 5:34 pm.
 No one addressed the board.
 The public hearing was closed at 5:34 pm.

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

None.

ADJOURNMENT

Motion by Michniewicz, Seconded by Hughes, to adjourn the meeting.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

The meeting was adjourned at 5:35 pm.

Respectfully submitted,



Jennifer Daniels
 Recording Secretary



Mike Dolan
 Township Clerk



10405 Merrill Road
P.O. Box 157
Hamburg, MI 48139
(810) 231-1000
www.hamburg.mi.us

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

CRYSTAL DRIVE & CRYSTAL BEACH SUB. SAD 2ND PUBLIC HEARING

Tuesday, April 16, 2024 at 6:00 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

The meeting was called to order at 6:00 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

- PRESENT
 Bill Hahn
 Chuck Menzies
 Cindy Michniewicz
 Jason Negri
 Mike Dolan
 Pat Hohl
 Patricia Hughes

CALL TO THE PUBLIC

A call was made with no response.

APPROVAL OF THE AGENDA

Motion by Michniewicz, Seconded by Menzies, to approve the agenda as presented.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

UNFINISHED BUSINESS

None.

CURRENT BUSINESS

- Crystal Dr. & Crystal Beach Sub. Road Improvement SAD - 2nd Public Hearing
 The public hearing was opened at 6:05 pm.
 Larry & Jackie McMillan of 10666 Michael Blvd, would like to know if any pot holes will be filled between now and the project.
 Deb Longley of 3125 Crystal Drive, would like to know where the lake accesses are located.
 Nancy Minhinnick of 10417 Hill, would like to know how often the township will be doing inspections as the project progresses. Can other contractors be looked at for this project?
 Scott Ried of 10464 Half Moon Drive, asked how the total cost was estimated and is concerned with project oversight.
 Barbara Cordy of 10448 Halfmoon Drive, is disappointed with the lack of transparency and is concerned with the oversight of the process and water run-off.
 The public hearing was closed at 6:11 pm.

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

None.

ADJOURNMENT

Motion by Negri, Seconded by Hahn, to adjourn the meeting.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

The meeting was adjourned at 6.26 pm.

Respectfully submitted,

Jennifer Daniels
Recording Secretary

Mike Dolan
Township Clerk



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Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

ZUKEY & REDDING DRIVE SAD 2ND PUBLIC HEARING

Tuesday, April 16, 2024 at 6:30 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

The meeting was called to order at 6:30 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

PRESENT

- Bill Hahn
- Chuck Menzies
- Cindy Michniewicz
- Jason Negri
- Mike Dolan
- Pat Hohl
- Patricia Hughes

CALL TO THE PUBLIC

A call was made with no response.

APPROVAL OF THE AGENDA

Motion by Negri, Seconded by Menzies, to approve the agenda as presented.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

UNFINISHED BUSINESS

None.

April 16, 2024

CURRENT BUSINESS

1. Zukey & Redding Drive Road Improvement SAD - 2nd Public Hearing
 The public hearing was opened at 6:37 pm.
 Dave Abramson of 9854 Zukey Drive, said "Thank you" to the board.
 The public hearing was closed at 6:37 pm.

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

None.

ADJOURNMENT

Motion by Michniewicz, Seconded by Hahn, to adjourn the meeting.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

The meeting was adjourned at 6:38 pm.

Respectfully submitted,



Jennifer Daniels
 Recording Secretary



Mike Dolan
 Township Clerk



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Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

TEAHEN MEADOWS SUBDIVISION SAD 2ND PUBLIC HEARING

**Tuesday, April 16, 2024 at 6:45 PM
Hamburg Township Hall Board Room**

MINUTES

CALL TO ORDER

The meeting was called to order at 6:45 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

- PRESENT
 Bill Hahn
 Chuck Menzies
 Cindy Michniewicz
 Jason Negri
 Mike Dolan
 Pat Hohl
 Patricia Hughes

CALL TO THE PUBLIC

A call was made to the public.

Dawn Nelson of 5197 Redding Drive wants clarity on what to anticipate in changes that will occur to her property from the Zukey/Redding SAD.

APPROVAL OF THE AGENDA

Motion by Hohl, Seconded by Michniewicz, to approve the agenda as presented, with the addition of addressing the question raised by Dawn Nelson of 5197 Redding Drive.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

April 16, 2024

UNFINISHED BUSINESS

None.

CURRENT BUSINESS

1. Supervisor Hohl addressed the question proposed in the Call to the Public.

2. Teahen Meadows Subdivision Road Improvement - 2nd Public Hearing
 The public hearing was opened at 6:53 pm.
 No one addressed the board.
 The public hearing was closed at 6:53 pm.

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

None.

ADJOURNMENT

Motion by Menzies, Seconded by Michniewicz, to adjourn the meeting.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

The meeting was adjourned at 6:54 pm.

Respectfully submitted,



Jennifer Daniels
Recording Secretary



Mike Dolan
Township Clerk



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Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

BOARD OF TRUSTEES REGULAR MEETING

Tuesday, April 16, 2024 at 7:00 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

The meeting was called to order at 7:00 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

PRESENT

- Pat Hohl
- Mike Dolan
- Bill Hahn
- Chuck Menzies
- Cindy Michniewicz
- Jason Negri
- Patricia Hughes

CALL TO THE PUBLIC

A call was made with no response.

CONSENT AGENDA

Motion by Menzies, Seconded by Negri, to approve the consent agenda.

Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

1. Grants - Bennett Park & Water Trail Access Improvements TF22-0107 - Project Timeline
2. 4-2-24 Board of Trustees Work-Study Minutes
3. 4-2-24 Board of Trustees Regular Meeting Minutes
4. 4-2-24 Margaret Drive Area Canal Dredging SAD 1st Public Hearing Minutes
5. Public Safety Monthly Report March, 2024

- 6. Bills List 04.16.24
- 7. Public Information

APPROVAL OF THE AGENDA

Motion by Michniewicz, Seconded by Hughes, to approve the agenda as presented.

Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

UNFINISHED BUSINESS

- 8. Margaret Drive Area Canal Dredging SAD - Resolutions #3 & #4
Motion by Negri, Seconded by Hahn, to approve Resolution #3 for the Margaret Drive Area Canal Dredging SAD.
Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

Motion by Dolan, Seconded by Negri, to approve Resolution #4 for the Margaret Drive Area Canal Dredging SAD.
Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes
- 9. Zukey & Redding Drive - Road Improvement SAD Resolution #5
Motion by Michniewicz, Seconded by Negri, to approve Resolution #5 for the Zukey & Redding Drive - Road Improvement SAD.
Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes
- 10. Teahen Meadows Road Improvement SAD - Resolution #5
Motion by Negri, Seconded by Menzies, to approve Resolution #5 for the Teahen Meadows Road Improvement SAD.
Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes
- 11. River Run Subdivision Road Improvement SAD - Resolution #5
Motion by Hughes, Seconded by Michniewicz, to approve Resolution #5 for the River Run Subdivision Road Improvement SAD.
Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes
- 12. Crystal Dr. & Crystal Beach Sub. Road Improvement SAD - Resolution #5
Motion by Hughes, Seconded by Negri, to approve Resolution #5 for the Crystal Dr. & Crystal Beach Sub. Road Improvement SAD.
Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

CURRENT BUSINESS

- 13. Donation of Police Body Cameras
Motion by Hohl, Seconded by Michniewicz, to approve the donation of two obsolete body cams to the Village of Pinckney Police Department.

Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

- 14. Ordinances - Administrative Fee Schedule - First Reading of 24.25 FY Updates
Motion by Dolan, Seconded by Michniewicz, to acknowledge the first reading of the administrative fees schedule contained in our township ordinance.

Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

None.

ADJOURNMENT

Motion by Menzies, Seconded by Negri, to adjourn the meeting.

Voting Yea: Hohl, Dolan, Hahn, Menzies, Michniewicz, Negri, Hughes

The meeting was adjourned at 7:13 pm.

Respectfully submitted,



Jennifer Daniels
Recording Secretary



Mike Dolan
Township Clerk



10405 Merrill Road
 P.O. Box 157
 Hamburg, MI 48139
 (810) 231-1000
www.hamburg.mi.us

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

BOARD OF TRUSTEES SPECIAL STRATEGIC PLANNING MEETING

Tuesday, April 16, 2024 at 9:00 AM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

Hohl called the meeting to order at 9:00 am.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

PRESENT

- Bill Hahn
- Chuck Menzies
- Cindy Michniewicz
- Jason Negri
- Mike Dolan
- Pat Hohl
- Patricia Hughes

CALL TO THE PUBLIC

A call was made with no response.

CONSENT AGENDA

None.

UNFINISHED BUSINESS

None.

APPROVAL OF THE AGENDA

Motion by Dolan, Seconded by Negri, to approve the agenda as presented.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

CURRENT BUSINESS

1. 9:00 - 10:00 Board Discussion - 4 day work week
Closed discussion. No actions were taken.
2. General Discussion
3. Public Safety - Rick Duffany
Chief Duffany reviewed the Goals & Objectives for FY 2024/2025.
4. Fire Millage Presentation
Chief Newton presents the Fire Millage Proposal.
5. Treasury - Jason Negri
Debbie Mariani reviewed the Goals & Objectives for FY 2024/2025.
6. Supervisor - Pat Hohl
Pat Hohl reviewed the Goals & Objectives for FY 2024/2025.
7. DPW, Tech Services, Building & Grounds, Cable TV - Tony Randazzo
Tony Randazzo reviewed the Goals & Objectives for FY 2024/2025.
8. Zoning, Planning, ZBA - David Rohr
David Rohr reviewed the Goals & Objectives for FY 2024/2025.
9. Break
10. Parks & Recreation, ADA, Grants, Clerk, Elections, Cemetery - Mike Dolan, Mary Kuzner, Deby Henneman
Mike Dolan, Mary Kuzner and Deby Henneman reviewed the Goals & Objectives for FY 2024/2025.
11. Senior Center - Julie Eddings, Mike Dolan
Julie Eddings and Mike Dolan reviewed the Goals & Objectives for FY 2024/2025.
12. Accounting - Michelle DeLancey
Michelle Delancey reviewed the Goals & Objectives for FY 2024/2025.
13. Open Discussion

April 16, 2024

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

None.

ADJOURNMENT

Motion by Negri, Seconded by Michniewicz, to adjourn the meeting.

Voting Yea: Hahn, Menzies, Michniewicz, Negri, Dolan, Hohl, Hughes

The meeting was adjourned at 3:30 pm.

Respectfully submitted,



Jennifer Daniels
Recording Secretary



Mike Dolan
Township Clerk

DRAFT

FLYING FIELD REGULATIONS

HAMBURG FLYERS R/C CLUB, Inc

1. All Flyers, Members and Guests shall be current with the Academy of Model Aeronautics (AMA) and Federal Aviation Administration (FAA) as required.
2. AMA Safety Code and FAA regulations with applicable safety recommendations to R/C shall be adhered by all Hamburg Flyers R/C Club Members, Guests and Visitors.
3. Club Members must comply with all AMA Rules, FAA regulations, Hamburg Flyers R/C Flying Field Regulations, Hamburg Flyers R/C Clubs Code of Conduct and Hamburg Township Parks Regulations.
4. Visiting Flyers shall be accompanied by a Club Member on a one-to-one basis and shall comply with all AMA Rules, FAA regulations, Hamburg Flyers R/C Flying Field Regulations, Hamburg Flyers R/C Clubs Code of Conduct and Hamburg Township Parks Regulations.
5. Visiting Flyers shall show and carry proof of AMA and FAA Membership.
6. All visits to the flying field shall be entered into the logbook, including the visiting guest shall record name and AMA number in logbook.
7. A visiting club is responsible for the actions of their members and guests and is subject to the same rules and regulation as the hosting club.
8. Township Use Fees apply to all Members.
9. Township Use Fees are exempt from Visiting Flyers and /or Visiting Clubs and /or Guests during special events.
10. All Flyers will be accompanied by a Spotter when there is more than one aircraft aloft.
11. Every Flyer is responsible for all damages or injuries he or she causes.
12. No 72mhz transmitter shall be operated for any reason without proper frequency control pin attached then returning frequency pin to control station after use.
13. No transmitter will be operated without the proper FAA document card placed in the appropriate spot inside the Hamburg Flyer Field Flight Box.
14. Park only in designated parking lot. Temporary parking is permitted near the pit area only to load or unload vehicles.
15. Spectators are not permitted in pits or on the flying field; this is for their own safety. This includes family members. Children must be always accompanied by an adult.
16. If others are waiting for a given frequency for testing and /or flying, there will be a limit of a maximum of 15 minutes on that frequency. 72mhz only.

17. A maximum of 3 aircraft are permitted in the air at one time during normal operations. IF there is a special event, the Event Coordinator in conjunction with the Safety Officer can establish temporary special field regulations.
18. Fixed wing and rotary winged aircraft can be airborne at the same time only if all mutual pilots' consent and in the present of a spotter.
19. All flyers will maintain the flight line and all flyers will fly behind the designated flight box.
20. Pilot box will be behind the flight line as designated and designed by the Safety Officer.
21. Any pilot can request sole use of the field. Said pilot must wait for all aircraft aloft to land. If others are waiting to fly Said pilot will wait for their turn in the rotation. Said pilot will observe the 15-minute rule.
22. No flying or engine shall be run for any purpose prior to 9 AM weekdays and Saturday; Noon on Sundays; and never after dusk on any day.
23. Excessively loud engines may be subject to local ordinance violation. All engine sound levels must fall under AMA Guidelines.
24. All aircraft engines must be able to shut down at the transmitter or notice given that it cannot be shut off; non throttle body engines exempt.
25. Effective silencers are required for all engines of over .10 cu. In. displacement.
26. Flying or in operations of any RC while under the influence of alcohol and/or any substances forbidden by is strictly prohibited. Violators shall be removed from the Hamburg Flying site.
27. No flying over neighboring property or retrieval of downed aircraft from neighboring property without the owner's permission. Absolutely no flying is permitted over the pits, spectator, parking areas or west of the flight line boundaries.
28. Low-level flying is permitted ONLY with the use of a spotter to observe field conditions.
29. All trash shall be placed in the appropriate receptacles or removed from the field. The cleanliness of all areas is the responsibility of all members and guests.
30. Instructions from the Safety officer or Members present, Rules and Regulation, air traffic direction, takeoffs and landings and other safety precautions required at the field shall be adhered to by all flyers. Check with the Safety Officer or Members present upon arrival at the field to determine flight pattern.
31. Flyers shall be acknowledged by all flying pilots before anyone may cross or use the runways.
32. Helicopters or Drones Flyers shall be acknowledged by all flying pilots before anyone may cross or use the runways for the purpose of takeoff or retrieval of a helicopters or Drones.
33. There will be NO SMOKING inside the flying field area.
34. All rocket launching will be conducted in the designated area which is defined by the Safety Officer present
35. There will be no rocket launching in the designated area, which is defined by the Hamburg Flyers Club Safety Officer present, if the winds aloft are prevailing to the south.

Supervisor Pat Hohl **Clerk** Mike Dolan **Treasurer** Jason Negri **Trustees** Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz
May 2, 2024

I am writing to explain the difference in the Bills List for the May 7, 24 Board meeting.

Due to the approval of EFT and ACH payments, we are reporting the bills list as 3 separate lists based upon payment method. You will note that the dates of the reports are slightly different due to the method which each type of payment is processed. If you have any questions or concerns, please contact me at 810-222-1137 or Mmiller@Hamburg.MI.US.

Sincerely,

Marcy Miller

Marcy Miller
Accounting Specialist

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
A2ZLWNSERV 77116	A2Z LAWN SERVICES, LLC 2531 JACKSON AVE SUITE 336 ANN ARBOR MI, 48103	05/02/2024 05/07/2024 / / 05/07/2024	002138 0.0000	GEN N N Y	MOWING, TRIMMING, BLOWING SOUTH HAMB	3,340.00 0.00 3,340.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-567.000-801.000	CONT SERV S HAMBURG 4.16/4.23/4.30	2,040.00
101-567.000-801.000	CONT SERV N HAMBURG 4.19/4.30	600.00
101-567.000-801.000	CONT SERV PLACEWAY 4.19/4.30	700.00
		<u>3,340.00</u>

VENDOR TOTAL: 3,340.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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ADVANCED02 76953	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/22/2024 05/07/2024 / / 05/07/2024	22657159 0.0000	GEN N N N	TWP BOTTLED WATER (5)	 29.95 0.00 29.95
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	29.95

ADVANCED02 77012	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/25/2024 05/07/2024 / / 05/07/2024	23956357 0.0000	GEN N N N	FD#11 BOTTLED WATER (5)	 29.95 0.00 29.95
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	29.95

ADVANCED02 77004	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/24/2024 05/07/2024 / / 05/07/2024	23956371 0.0000	GEN N N N	FD BOTTLED WATER (9)	 53.91 0.00 53.91
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	53.91

ADVANCED02 77048	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/30/2024 05/07/2024 / / 05/07/2024	24033517 0.0000	GEN N N N	TWP BOTTLED WATER (4)	 23.96 0.00 23.96
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	23.96

ADVANCED02 76989	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/23/2024 05/07/2024 / / 05/07/2024	24079301 0.0000	GEN N N N	DPW RENTAL	 7.00 0.00 7.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	7.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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ADVANCED02 76990	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/23/2024 05/07/2024 / / 05/07/2024	24080487 0.0000	GEN N N N	B&G RENTAL	7.00 0.00 7.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	7.00

ADVANCED02 76991	ADVANCED WATER TREATMENT, INC. PO BOX 339 HAMBURG MI, 48139	04/23/2024 05/07/2024 / / 05/07/2024	24084825 0.0000	GEN N N N	TWP RENTAL	7.00 0.00 7.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	7.00

VENDOR TOTAL: 158.77

AFLACAME01 77052	AFLAC - AMERICAN FAMILY LIFE WORLDWIDE HEADQUARTERS 1932 WYNNTON ROAD COLUMBUS GA, 31999-0001	04/30/2024 05/07/2024 / / 05/07/2024	815037 0.0000	GEN N N N	BN423 APRIL 24	368.40 0.00 368.40
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.410	DUE TO AFLAC (BIWEEKLY)	368.40

VENDOR TOTAL: 368.40

ALPINEFLOR 77010	ALPINE FLORIST AND GIFTS, INC. 7524 E. M-36 P.O. BOX 219 HAMBURG MI, 48139	04/24/2024 05/07/2024 / / 05/07/2024	751483 0.0000	GEN N N N	SEN CTR MARCH 24 44 BIRTHDAY FLOWERS	66.00 0.00 66.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-804.000	SENIOR PROGRAMS	66.00

VENDOR TOTAL: 66.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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AMERICAN02 77100	APPLIED INNOVATION 7718 SOLUTION CENTER CHICAGO IL, 60677-7007	05/02/2024 05/07/2024 / / 05/07/2024	2495955 0.0000	GEN N N N	SEN CTR CONTRACT BASE 04/21-05/20/24	153.82 0.00 153.82
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-930.001	MAINTENANCE COMM CENTER	153.82

VENDOR TOTAL: 153.82

BUSINESS02 77111	BIG PDQ BUSINESS IMAGING GROUP - BIG PDQ 7475 GRAND RIVER RD BRIGHTON MI, 48114-9383	05/02/2024 05/07/2024 / / 05/07/2024	284593 20240184 0.0000	GEN N N Y	PD IMPOUND SHEETS	166.33 0.00 166.33
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-752.000	IMPOUND SHEETS	166.33	166.33

VENDOR TOTAL: 166.33

BOBMAXFORD 77083	BOB MAXEY FORD OF HOWELL, INC. 2798 E. GRAND RIVER AVE. HOWELL MI, 48843-8545	05/01/2024 05/07/2024 / / 05/07/2024	277939 0.0000	GEN N N N	B&G FORD RANGER 75752	595.46 0.00 595.46
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-932.000	VEHICLE MAINTENANCE	595.46

VENDOR TOTAL: 595.46

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MYERSEXC01 76954	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-832 0.0000	GEN N N N	GRADE ROAD 04/09/24 RIVERSIDE, CENTU	 5,750.00 0.00 5,750.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
279-000.000-802.000	ROAD IMPROVEMENT	5,750.00

MYERSEXC01 76955	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-833 0.0000	GEN N N N	GRADE RD 03/27/24 RUSTIC RD & LAKE P	 450.00 0.00 450.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
272-000.000-802.000	ROAD IMPROVEMENT	450.00

MYERSEXC01 76956	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-834 0.0000	GEN N N N	GRADE RD 03/28/24 KINGSTON DR AREA	 1,050.00 0.00 1,050.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
283-000.000-802.000	ROAD IMPROVEMENT	1,050.00

MYERSEXC01 76957	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-835 0.0000	GEN N N N	GRADE RD 03/28/24 WINANS DR	 400.00 0.00 400.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
284-000.000-802.000	ROAD IMPROVEMENT	400.00

MYERSEXC01 76959	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-838 0.0000	GEN N N N	GRADE RD 04/19/24 SCOTT DR	 1,262.00 0.00 1,262.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
273-000.000-802.000	ROAD IMPROVEMENT	1,262.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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MYERSEXC01 76960	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-839 0.0000	GEN N N N	GRADE RDS 04/19/24 NORENE & PEARY	1,325.00 0.00 1,325.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
275-000.000-802.000	ROAD IMPROVEMENT	1,325.00

MYERSEXC01 76958	BOB MYERS EXCAVATING INC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	2022-936 0.0000	GEN N N N	GRADE RD 04/16/24 CAMPBELL DR	1,380.00 0.00 1,380.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
281-000.000-802.000	ROAD IMPROVEMENT	1,380.00

VENDOR TOTAL: 11,617.00

BSASOFTW01 76983	BS&A SOFTWARE INC. 14965 ABBEY LANE BATH MI, 48808	04/22/2024 05/07/2024 / / 05/07/2024	153288 0.0000	GEN N N N	BSA ONLINE 05/01/24-05/01/2025/ CEME	7,907.00 0.00 7,907.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-229.000-933.000	SOFTWARE MAINTENANCE	7,380.00
101-229.000-933.000	SOFTWARE MAINTENANCE	527.00
		<u>7,907.00</u>

VENDOR TOTAL: 7,907.00

BURNHAM001 77003	BURNHAM & FLOWER INSURANCE GROUP 315 SOUTH KALAMAZOO MALL KALAMAZOO MI, 49007-4806	04/24/2024 05/07/2024 / / 05/07/2024	BFG-902503 0.0000	GEN N N N	HRA 1ST Q 2024 01/01-03/31/24	362.50 0.00 362.50
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-718.500	HEALTH CARE REIMBURSEMENT	362.50

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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VENDOR TOTAL: 362.50

C&ECONTR01 76963	C & E CONSTRUCTION CO., INC. P.O. BOX 1359 HIGHLAND MI, 48357	04/22/2024 05/07/2024 / / 05/07/2024	2939 0.0000	GEN N N N	GRINDER PUMP INSTALL 7825 VENICE CT	 7,821.95 0.00 7,821.95
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-000.000-198.064	VACANT - MOHICAN DR	7,821.95

C&ECONTR01 76962	C & E CONSTRUCTION CO., INC. P.O. BOX 1359 HIGHLAND MI, 48357	04/22/2024 05/07/2024 / / 05/07/2024	2940 0.0000	GEN N N N	GRINDER PUMP REPLACEMENT 7352 NORCRE	 5,139.75 0.00 5,139.75
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.200	GRINDER PUMP REPLACEMENT	5,139.75

C&ECONTR01 77118	C & E CONSTRUCTION CO., INC. P.O. BOX 1359 HIGHLAND MI, 48357	05/02/2024 05/07/2024 / / 05/07/2024	2942 0.0000	GEN N N N	GRINDER PUMP REPLACEMENT 6165 COWELL	 5,139.75 0.00 5,139.75
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.200	GRINDER PUMP REPLACEMENT	5,139.75

C&ECONTR01 77117	C & E CONSTRUCTION CO., INC. P.O. BOX 1359 HIGHLAND MI, 48357	05/02/2024 05/07/2024 / / 05/07/2024	2943 0.0000	GEN N N N	GRINDER PUMP REPLACEMENT 6140 COWELL	 5,139.75 0.00 5,139.75
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.200	GRINDER PUMP REPLACEMENT	5,139.75

VENDOR TOTAL: 23,241.20

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
CAPITLTIRE 77090	CAPITAL TIRE INC. 1310 ACADEMY STREET FERNDALE MI, 48220	05/02/2024 05/07/2024 / / 05/07/2024	1060113303 20240186 0.0000	GEN N N N	PD TIRES EAGLE ENFORCER	 1,011.00 0.00 1,011.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	732005558 EAGLE ENFORCER	876.00	876.00
207-000.000-932.000	7320005563 EAGLE ENFORCER	135.00	135.00
		<u>1,011.00</u>	<u>1,011.00</u>

VENDOR TOTAL: 1,011.00

CARQUEST01 77105	CARQUEST AUTO PARTS P.O. BOX 404875 ATLANTA GA, 30384-4875	05/02/2024 05/07/2024 / / 05/07/2024	2749-ID 0.0000	GEN N N Y	506385/506716/506792	***2749-ID-50 307.06 0.00 307.06
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-932.000	VEHICLE MAINTENANCE	40.25
590-527.000-932.000	VEHICLE MAINTENANCE	93.02
590-527.000-932.000	VEHICLE MAINTENANCE	173.79
		<u>307.06</u>

VENDOR TOTAL: 307.06

CDWGOVER01 76961	CDW GOVERNMENT, INC. 75 REMITTANCE DR SUITE 1515 CHICAGO IL, 60675-1515	04/22/2024 05/07/2024 / / 05/07/2024	QN77074 0.0000	GEN N N N	EPSON ERC-32B RIBBON BLK	9.46 0.00 9.46
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	9.46

VENDOR TOTAL: 9.46

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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CITYELEC01 77107	CITY ELECTRIC SUPPLY CO 7041 GRAND RIVER BRIGHTON MI, 48114	05/02/2024 05/07/2024 / / 05/07/2024	BRI/123230 0.0000	GEN N N Y	DPW ASM THQP C/B 1 POLE	 38.36 0.00 38.36
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	38.36

CITYELEC01 77108	CITY ELECTRIC SUPPLY CO 7041 GRAND RIVER BRIGHTON MI, 48114	05/02/2024 05/07/2024 / / 05/07/2024	BRI/123233 0.0000	GEN N N Y	DPW/15 AMP BREAKER	 114.28 0.00 114.28
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	114.28

CITYELEC01 77109	CITY ELECTRIC SUPPLY CO 7041 GRAND RIVER BRIGHTON MI, 48114	05/02/2024 05/07/2024 / / 05/07/2024	BRI/123269 0.0000	GEN N N Y	DPW 15 A 120V SINGLE DIN	 216.00 0.00 216.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	216.00

CITYELEC01 77110	CITY ELECTRIC SUPPLY CO 7041 GRAND RIVER BRIGHTON MI, 48114	05/02/2024 05/07/2024 / / 05/07/2024	BRI/123308 0.0000	GEN N N Y	DPW 15Z 120 V DIN RAIL MNT	 480.00 0.00 480.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	480.00

VENDOR TOTAL: 848.64

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
BRIGHTON01 77023	CITY OF BRIGHTON 200 N. FIRST ST. P.O. BOX 30516 BRIGHTON MI, 48116	04/25/2024 05/07/2024 / / 05/07/2024	33124 0.0000	GEN N N	ACCT 004738-222 01/01-03/31/24 HAMB	 6,408.72 0.00 6,408.72

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-540.000-917.900	WATER PURCHASE CITY OF BRIGHTON	6,408.72

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
BRIGHTON01 77024	CITY OF BRIGHTON 200 N. FIRST ST. P.O. BOX 30516 BRIGHTON MI, 48116	04/25/2024 05/07/2024 / / 05/07/2024	33124 0.0000	GEN N N	ACCT 003055-000 01/01-03/31/24 HAMB	 36,099.65 0.00 36,099.65

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-917.500	TREATMENT EXPENSE	36,084.93
590-527.000-917.500	TREATMENT EXPENSE	14.72
		<u>36,099.65</u>

VENDOR TOTAL: 42,508.37

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
CMPDIST02 76994	CMP DISTRIBUTORS, INC. 16753 INDUSTRIAL PARKWAY LANSING MI, 48906	04/24/2024 05/07/2024 / / 05/07/2024	014711 20240165 0.0000	GEN N N	PD ALS PADDLE HOLDER	 69.80 0.00 69.80

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	HOLSTER	69.80	69.80

VENDOR TOTAL: 69.80

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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COLONIALIF 77046	COLONIAL LIFE PREMIUM PROCESSING P.O. BOX 903 COLUMBIA SC, 29202-0903	04/30/2024 05/07/2024 / / 05/07/2024	43620670411221 0.0000	GEN N N N	E4362067 DED DATES 04/11, 04/25	329.84 0.00 329.84
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.400	DUE TO COLONIAL LIFE	329.84

VENDOR TOTAL: 329.84

COMPLETE01 77081	COMPLETE BATTERY SOURCE, INC. 6480 GRAND RIVER AVE. BRIGHTON MI, 48114	05/01/2024 05/07/2024 / / 05/07/2024	42372BRI 20240177 0.0000	GEN N N N	FD - FIRE EXTINGUISHER BATTERIES	60.00 0.00 60.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-916.500	AA 1.2V 2100MAH FLAT TOP	60.00	60.00

COMPLETE01 77091	COMPLETE BATTERY SOURCE, INC. 6480 GRAND RIVER AVE. BRIGHTON MI, 48114	05/02/2024 05/07/2024 / / 05/07/2024	428477BRI 20240185 0.0000	GEN N N N	PD CAR BATTERY FOR THE SILVERADO	174.92 0.00 174.92
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	CAR BATTERY	174.92	174.92

VENDOR TOTAL: 234.92

CORRIGAN01 77099	CORRIGAN TOWING 775 N. SECOND STREET BRIGHTON MI, 48116	05/02/2024 05/07/2024 / / 05/07/2024	8062952-IN 0.0000	GEN N N N	DYDLS LOW SULFUR 199.10 GAL	606.35 0.00 606.35
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-758.000	DIESEL FUEL	303.18
208-751.000-758.000	DIESEL FUEL	303.17
		606.35

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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VENDOR TOTAL: 606.35

SCHUSTERCS 76978	CRISTINA SCHUSTER ,	04/22/2024 05/07/2024 / / 05/07/2024	041924 0.0000	GEN N N N	CORRECTION FROM PREVIOUS REIMBURSEME	44.18 0.00 44.18
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Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-916.000	TRAINING	44.18

VENDOR TOTAL: 44.18

DARTTEAM01 77009	DART TEAM C/O HOWELL FIRE DEPARMENT 1211 W. GRAND RIVER HOWELL MI, 48843	04/24/2024 05/07/2024 / / 05/07/2024	042524 0.0000	GEN N N N	DART APRIL 2024	110.00 0.00 110.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.200	DUE TO CHARITY CHARITABLE DEDUCTIONS	110.00

VENDOR TOTAL: 110.00

DEWOLFDAN1 77092	DEWOLF & ASSOCIATES P.O. BOX 815 MANCHESTER MI, 48158	05/02/2024 05/07/2024 / / 05/07/2024	2835 20240150 0.0000	GEN N N N	PD SUPERVISION/MANAGEMENT OF THE FTO	595.00 0.00 595.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
211-000.000-678.000	TRAINING COURSE FEE	595.00	595.00

VENDOR TOTAL: 595.00

DIGICGLOBL 76996	DIGICOM GLOBAL INC. 3911 ROCHESTER RD. TROY MI, 48083	04/24/2024 05/07/2024 / / 05/07/2024	7936 20240166 0.0000	GEN N N N	PD SERVICE 2 WAY RADIO	200.00 0.00 200.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-931.000	RADIO SERVICE	200.00	200.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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VENDOR TOTAL: 200.00

ELECTIONCE 77115	ELECTION CENTER 21946 ROYAL MONTREAL DR. STE. 100 KATY TX, 77450	05/02/2024 05/07/2024 / / 05/07/2024	43024 0.0000	GEN N N Y	APP FOR GRADUATION-ELECTION COORDINA	 175.00 0.00 175.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-262.000-910.000	PROFESSIONAL DEVELOPMENT	175.00

VENDOR TOTAL: 175.00

ELECTROCYC 76964	ELECTROCYCLE, INC. 23953 RESEARCH DR. FARMINGTON HILLS MI, 48335	04/22/2024 05/07/2024 / / 05/07/2024	41413 0.0000	GEN N N N	SHRED EVENT/CLEAN UP DAY	 900.00 0.00 900.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-751.000-943.000	TOWNSHIP COMMUNITY EVENTS	900.00

VENDOR TOTAL: 900.00

EUROOPTIC 76997	EUROOPTIC 635 NORTH LOYALSOCK AVE. MONTTOURSVILLE PA, 17754	04/24/2024 05/07/2024 / / 05/07/2024	1851239 20240167 0.0000	GEN N N N	PD SWAT - TENEBRAEX POLARIZER FOR OC	 110.76 0.00 110.76
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-807.000	POLARIZER LFOR OCULAR SCOPE LENS	110.76	110.76

VENDOR TOTAL: 110.76

GALLSINC01 77120	GALLS, LLC PO BOX 505614 ST LOUIS MO, 63150-5614	05/02/2024 05/07/2024 / / 05/07/2024	OR26481420 20240192 0.0000	GEN N N Y	PD UNIFORM SHOES PARK RANGER	 75.00 0.00 75.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	UNIFORM SHOES PARK RANGER	75.00	75.00

05/02/2024 12:36 PM
 User: MarcyM
 DB: Hamburg

INVOICE APPROVAL BY INVOICE REPORT FOR HAMBURG TOWNSHIP OFFICES
 EXP CHECK RUN DATES 05/07/2024 - 05/07/2024
 UNJOURNALIZED OPEN
 BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Item 13.

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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VENDOR TOTAL: 75.00

HACHCOMP01 77084	HACH COMPANY, AMERICAN SIGMA & 2207 COLLECTIONS CENTER DRIVE CHICAGO IL, 60693	05/01/2024 05/07/2024 / / 05/07/2024	14016972 0.0000	GEN N N Y	WWTP PIPET TIP 10PK-250	 274.25 0.00 274.25
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-752.000	SUPPLIES & SMALL EQUIPMENT	274.25

VENDOR TOTAL: 274.25

HAMBURGT02 76979	HAMBURG TOWNSHIP TREASURER ,	04/22/2024 05/07/2024 / / 05/07/2024	041824 0.0000	GEN N N N	SEN CTR PETTY CASH REIMBURSEMENT	 271.19 0.00 271.19
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-000.000-239.300	SENIOR CENTER ACTIVITY FUND	163.45
208-000.000-239.700	SENIOR CENTER LUNCH PROGRAM	107.74
		271.19

VENDOR TOTAL: 271.19

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
USABLUEB01 77103	HD SUPPLY, INC. PO BOX 9004 GURNEE IL, 60031	05/02/2024 05/07/2024 / / 05/07/2024	INV00035166 0.0000	GEN N N N	WWTP PVC SUCTION HOSE (2)	578.61 0.00 578.61

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	578.61

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. %	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
USABLUEB01 77104	HD SUPPLY, INC. PO BOX 9004 GURNEE IL, 60031	05/02/2024 05/07/2024 / / 05/07/2024	INV00035169 0.0000	GEN N N N	DPW/WWTP PVC HOSE/ TYVEK COVERALLS	805.75 0.00 805.75

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	553.90
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	251.85
		805.75

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. %	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
USABLUEB01 77047	HD SUPPLY, INC. PO BOX 9004 GURNEE IL, 60031	04/30/2024 05/07/2024 / / 05/07/2024	INV00332159 0.0000	GEN N N N	WWTP SYNTHETIC BLOWER LUB (5GAL)	648.08 0.00 648.08

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-931.000	EQUIPMENT MAINT/REPAIR	648.08

VENDOR TOTAL: 2,032.44

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
HOMEDEPO01 77088	HOME DEPOT CREDIT SERVICES DEPT 32-2501873644 P.O. BOX 78047 PHOENIX AZ, 85062-8047	05/01/2024 05/07/2024 / / 05/07/2024	41224 0.0000	GEN N N Y	MARCH/APRIL 2024	 2,736.26 0.00 2,736.26

Open

GL NUMBER	DESCRIPTION	AMOUNT
208-751.000-930.005	MAINTENANCE PARK FACILITIES	94.50
101-265.000-930.000	MAINTENANCE TWP HALL	44.38
208-800.000-938.000	LAKELAND TRAIL MAINTENANCE	88.90
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	88.90
101-567.000-955.000	SUNDRY	76.60
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	2,342.98
		<u>2,736.26</u>

VENDOR TOTAL: 2,736.26

HURONCLINT 77114	HURON CLINTON METROPOLITAN AUTHORIT 8801 NORTH TERRITORIAL DEXTER MI, 48130	05/02/2024 05/07/2024 / / 05/07/2024	6736048 0.0000	GEN N N N	SEN CTR PROGRAM	 125.00 0.00 125.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-804.000	SENIOR PROGRAMS	125.00

VENDOR TOTAL: 125.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
HRNVLLYGUN 76966	HURON VALLEY GUNS, LLC 56477 GRAND RIVER AVE. NEW HUDSON MI, 48165	04/22/2024 05/07/2024 / / 05/07/2024	001272-0 20240160 0.0000	GEN N N Y	FD - UNIFORM ALTERATIONS, MORRIS E00	82.50 0.00 82.50

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	ALTERATIONS & EBROIDERY	82.50	82.50

HRNVLLYGUN 77021	HURON VALLEY GUNS, LLC 56477 GRAND RIVER AVE. NEW HUDSON MI, 48165	04/25/2024 05/07/2024 / / 05/07/2024	001338-0 20240175 0.0000	GEN N N Y	PD UNIFORM SHIRT AND ALTERATIONS-PED	68.99 0.00 68.99
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	SEW ON PATCH ALTERATIONS	9.00	9.00
207-000.000-768.000	MENS UV1 UNDERVEST SHIRT	59.99	59.99
		<u>68.99</u>	

HRNVLLYGUN 76965	HURON VALLEY GUNS, LLC 56477 GRAND RIVER AVE. NEW HUDSON MI, 48165	04/22/2024 05/07/2024 / / 05/07/2024	206849 20240161 0.0000	GEN N N Y	FD - UNIFORM HAT, LAWVER	124.97 0.00 124.97
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	CAPT LAWVER'S HAT	124.97	124.97

HRNVLLYGUN 77002	HURON VALLEY GUNS, LLC 56477 GRAND RIVER AVE. NEW HUDSON MI, 48165	04/24/2024 05/07/2024 / / 05/07/2024	207135 20240173 0.0000	GEN N N Y	FD - UNIFORM EMBROIDERY, ACUFF	22.50 0.00 22.50
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	UNIFORM EMBROIDERY - ACUFF	22.50	22.50

HRNVLLYGUN 77119	HURON VALLEY GUNS, LLC 56477 GRAND RIVER AVE. NEW HUDSON MI, 48165	05/02/2024 05/07/2024 / / 05/07/2024	207261 20240191 0.0000	GEN N N Y	PD UNIFORM SHIRT AND ALTERATIONS-HOG	157.98 0.00 157.98
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Open

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	SEW ON PATCH ALTERATIONS	18.00	18.00
207-000.000-768.000	MENS UV1 UNDERVEST SHIRT	59.99	59.99
207-000.000-768.000	ALTERATION RMW/PIC PER PATCH	30.00	30.00
207-000.000-768.000	PARAGON PLUS SS SHIRT/XS	49.99	49.99
		157.98	

HRNVLLYGUN	HURON VALLEY GUNS, LLC	05/02/2024	207345	GEN	FD - UNIFORM EMBROIDERY, NEWTON	
77112	56477 GRAND RIVER AVE.	05/07/2024	20240189	N		22.50
	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		05/07/2024		Y		22.50

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	UNIFORM EMBROIDERY	22.50	22.50

HRNVLLYGUN	HURON VALLEY GUNS, LLC	05/02/2024	207347	GEN	FD - UNIFORM EMBROIDERY, ZERNICK	
77113	56477 GRAND RIVER AVE.	05/07/2024	20240190	N		22.50
	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		05/07/2024		Y		22.50

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	UNIFORM EMBROIDERY	22.50	22.50

VENDOR TOTAL: 501.94

HUTSONINC1	HUTSON, INC.	04/22/2024	10365355	GEN	B&G GAGE WHEEL/WHEEL KIT/ARM/IDLER/B	
76967	3915 TRACTOR DRIVE	05/07/2024		N		328.52
	HOWELL MI, 48855	/ /	0.0000	N		0.00
		05/07/2024		N		328.52

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	328.52

VENDOR TOTAL: 328.52

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
IMEGCORP#1 77011	IMEG CORP. ATTN: ACCOUNTS RECEIVABLE 623 26TH AVE. ROCK ISLAND IL, 61201	04/24/2024 05/07/2024 / / 05/07/2024	23000378.02-2 0.0000	GEN N N Y	ZONING PROF SERV 03/01-04/14/24 FREE	950.00 0.00 950.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-538.000-946.100	ENGINEERING SERVICES - FREEDOM RIVER	950.00

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
IMEGCORP#1 77050	IMEG CORP. ATTN: ACCOUNTS RECEIVABLE 623 26TH AVE. ROCK ISLAND IL, 61201	04/30/2024 05/07/2024 / / 05/07/2024	23006988.01-1 0.0000	GEN N N Y	PROF SERV 03/01-03/31/24 TREE TOP CT	1,197.00 0.00 1,197.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-000.000-198.074	9691 TREE TOP CT	1,197.00

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
IMEGCORP#1 77019	IMEG CORP. ATTN: ACCOUNTS RECEIVABLE 623 26TH AVE. ROCK ISLAND IL, 61201	04/25/2024 05/07/2024 / / 05/07/2024	23007096.00-4 0.0000	GEN N N Y	PROF SERV 01/01-03/31/24 HAMBURG VIL	1,083.00 0.00 1,083.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-279.978	HAMBURG VILLAGE TOWNHOMES	1,083.00

VENDOR TOTAL: 3,230.00

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
ASSUREDPO1 76968	JAYS ASSURED PEST CONTROL LLC P.O. BOX 591 BRIGHTON MI, 48116-0591	04/22/2024 05/07/2024 / / 05/07/2024	5843 0.0000	GEN N N Y	EAST/WEST CONCESSIONS	100.00 0.00 100.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
208-751.000-930.005	MAINTENANCE PARK FACILITIES	100.00

VENDOR TOTAL: 10

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
JENDANIELS 77056	JENNIFER DANIELS ,	04/30/2024 05/07/2024 / / 05/07/2024	43024 0.0000	GEN N N N	MILEAGE REIMBURSEMENT-POST OFFICE MA	82.01 0.00 82.01

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-215.000-861.000	MILEAGE	82.01

VENDOR TOTAL: 82.01

KENTCOMMNC 76969	KCI 3901 EAST PARIS AVE. S.E. GRAND RAPIDS MI, 49512	04/22/2024 05/07/2024 / / 05/07/2024	PA-Q233330 0.0000	GEN N N Y	HAMBURG UB POSTAGE PREPAY	3,042.00 0.00 3,042.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-851.000	POSTAGE	3,042.00

VENDOR TOTAL: 3,042.00

LIVINGST28 76987	LCGIS 304 E. GRAND RIVER, STE. 101 HOWELL MI, 48843	04/23/2024 05/07/2024 / / 05/07/2024	13096 20240168 0.0000	GEN N N N	2024 2ND QUARTER OSSI MAINTENANCE FE	22,154.24 0.00 22,154.24
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-933.000	IT EQUIPMENT YEARLY FEE	500.00	500.00
207-000.000-933.000	OSSI CONNECTION FEES 04/24-06/24	900.00	900.00
207-000.000-933.000	OSSI SOFTWARE MAINTENANCE FEE-ANNUAL	20,754.24	20,754.24
		22,154.24	22,154.24

VENDOR TOTAL: 22,154.24

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
PERSCHKE 77057	LISA PERSCHKE 3346 DIANNE DR. BRIGHTON MI, 48114	04/30/2024 05/07/2024 / / 05/07/2024	43024 0.0000	GEN N N N	TUITION REIMBURSEMENT CAPSTONE SEMIN	 1,937.01 0.00 1,937.01

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-702.000-914.000	TUITION REIMBURSEMENT	1,937.01

VENDOR TOTAL: 1,937.01

LIVINGST16 77122	LIVINGSTON CO. DRAIN COMMISSIONER 2300 E. GRAND RIVER SUITE 105 HOWELL MI, 48843-7581	05/02/2024 05/07/2024 / / 05/07/2024	3802 0.0000	GEN N N N	PHASE II IMPLEMENTATION LIV CO WATER	 601.76 0.00 601.76
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-703.000-967.000	SPECIAL PROJECTS	601.76

LIVINGST16 77123	LIVINGSTON CO. DRAIN COMMISSIONER 2300 E. GRAND RIVER SUITE 105 HOWELL MI, 48843-7581	05/02/2024 05/07/2024 / / 05/07/2024	3810 0.0000	GEN N N N	PHASE II IMPLEMENTATION LIV CO WATER	 754.45 0.00 754.45
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-703.000-967.000	SPECIAL PROJECTS	754.45

VENDOR TOTAL: 1,356.21

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
LIVINGST14 77082	LIVINGSTON COUNTY EMS CTC PROGRAM 1911 TOOLEY ROAD HOWELL MI, 48855	05/01/2024 05/07/2024 / / 05/07/2024	2023-011 20240188 0.0000	GEN N N N	FD - HEALTHCARE PROVIDER E CARDS	185.00 0.00 185.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-916.000	BLS PROVIDER HEALTHCARE E CARDS 1.25.23	15.00	15.00
206-000.000-916.000	BLS PROVIDER HEALTHCARE ECARDS 1.23.23	170.00	170.00
		<u>185.00</u>	<u>185.00</u>

VENDOR TOTAL: 185.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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LIVINGST12 76970	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/22/2024 05/07/2024 / / 05/07/2024	041624 0.0000	GEN N Y N	EASEMENT GRANT GIORDANO/CHAPIN/MULLE	90.00 0.00 90.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	90.00

LIVINGST12 76971	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/22/2024 05/07/2024 / / 05/07/2024	041824 0.0000	GEN N Y N	EASEMENT GRANT REISTER/REDMOND	60.00 0.00 60.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	60.00

LIVINGST12 76972	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/22/2024 05/07/2024 / / 05/07/2024	042224 0.0000	GEN N Y N	EASEMENT GRANT KARASKA	30.00 0.00 30.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	30.00

LIVINGST12 76988	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/23/2024 05/07/2024 / / 05/07/2024	042324 0.0000	GEN N Y N	EASEMENT GRANT FORM O'HALLORAN	30.00 0.00 30.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	30.00

LIVINGST12 77005	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/24/2024 05/07/2024 / / 05/07/2024	042424 0.0000	GEN N Y	EASEMENT GRANT FORM MCGUE/GRAVLIN/HA	90.00 0.00 90.00
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Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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Open		05/07/2024			N	90.00
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GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	90.00

LIVINGST12 77049	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/30/2024 05/07/2024 / / 05/07/2024	042624 0.0000	GEN N Y N	EASEMENT GRANT FORM ROBBINS	30.00 0.00 30.00
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Open						
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GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	30.00

LIVINGST12 77055	LIVINGSTON COUNTY REGISTER OF DEEDS 200 E. GRAND RIVER AVE. SUITE 3 HOWELL MI, 48843	04/30/2024 05/07/2024 / / 05/07/2024	42924 0.0000	GEN N Y N	EASEMENT GRANT FORM DONNELLY/BROWDER	90.00 0.00 90.00
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Open						
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GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	90.00

VENDOR TOTAL: 420.00

B&BTRUCKEQ 77000	MASON DYNAMICS, INC. 922 WEST RIVER CENTER DR. NE COMSTOCK PARK MI, 49321	04/24/2024 05/07/2024 / / 05/07/2024	1064 20240172 0.0000	GEN N N N	FD - LED CURB/ENTRY LIGHTS INV #1064	145.21 0.00 145.21
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Open						
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GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-932.000	SOUND-OFF LED CURB/ENTRY LIGHT WHITE	132.28	132.28
206-000.000-932.000	SHIPPING	12.93	12.93
		145.21	145.21

VENDOR TOTAL: 145.21

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MASTERCRAFT 76973	MASTERCRAFT PLUMBING INC. 7879 E. M-36 WHITMORE LAKE MI, 48189	04/22/2024 05/07/2024 / / 05/07/2024	30566 0.0000	GEN N N N	SEN CTR REMOVE ANODE ROD, FLUSH	 338.00 0.00 338.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-930.001	MAINTENANCE COMM CENTER	338.00

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MASTERCRAFT 76974	MASTERCRAFT PLUMBING INC. 7879 E. M-36 WHITMORE LAKE MI, 48189	04/22/2024 05/07/2024 / / 05/07/2024	30567 0.0000	GEN N N N	PD REPLACE SERVICE SINK FAUCET	 636.68 0.00 636.68

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-930.002	MAINTENANCE POLICE BUILDING	636.68

VENDOR TOTAL: 974.68

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MERITLAB01 77101	MERIT LABORATORIES 2680 EAST LANSING DRIVE EAST LANSING MI, 48823	05/02/2024 05/07/2024 / / 05/07/2024	60278 0.0000	GEN N N Y	PORTAGE LAKE	 496.00 0.00 496.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-952.100	LAB ANALYSIS FEES - PORTAGE	496.00

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MERITLAB01 77102	MERIT LABORATORIES 2680 EAST LANSING DRIVE EAST LANSING MI, 48823	05/02/2024 05/07/2024 / / 05/07/2024	60279 0.0000	GEN N N Y	HAMBURG	 705.00 0.00 705.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-952.000	LAB ANALYSIS - WWTP	705.00

VENDOR TOTAL: 1,201.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MICHIGANST 77006	MICHIGAN STATE DISBURSEMENT UNIT P.O. BOX 30350 LANSING MI, 48909-7850	04/24/2024 05/07/2024 / / 05/07/2024	042524 0.0000	GEN N Y N	CASE# 810013564 PAY PERIOD 04/08-04/	450.34 0.00 450.34

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-228.010	MI CHILD SUPPORT WITHHOLDING	450.34

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MICHIGANST 77007	MICHIGAN STATE DISBURSEMENT UNIT P.O. BOX 30350 LANSING MI, 48909-7850	04/24/2024 05/07/2024 / / 05/07/2024	042524 0.0000	GEN N Y N	CASE#913255499 PAY PERIOD 04/08-04/2	139.54 0.00 139.54

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-228.010	MI CHILD SUPPORT WITHHOLDING	139.54

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MICHIGANST 77008	MICHIGAN STATE DISBURSEMENT UNIT P.O. BOX 30350 LANSING MI, 48909-7850	04/24/2024 05/07/2024 / / 05/07/2024	042524 0.0000	GEN N Y N	CASE#912854739 PAR PERIOD 04/08-04/2	380.46 0.00 380.46

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-228.010	MI CHILD SUPPORT WITHHOLDING	380.46

VENDOR TOTAL: 970.34

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MONRORUB1 77054	MONROE'S RUBBISH REMOVAL, INC. 10025 INDUSTRIAL DR. WHITMORE LAKE MI, 48189	04/30/2024 05/07/2024 / / 05/07/2024	42224 0.0000	GEN N N N	CLEAN UP DAY (3) 30 YD ROLL OFF/(1)	5,120.00 0.00 5,120.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
208-751.000-943.000	TOWNSHIP COMMUNITY EVENTS	5,120.00

VENDOR TOTAL: 5,120.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MOTOROLA01 77093	MOTOROLA SOLUTIONS INC. 13104 COLLECTIONS CENTER DR CHICAGO IL, 60693	05/02/2024 05/07/2024 / / 05/07/2024	8281878334 20240182 0.0000	GEN N N N	PD REMOTE DEPLOYMENT, TRAINING, CONF	1,500.00 0.00 1,500.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-980.000	REMOTE DEPLOYMENT, TRAINING, CONFIG, MGM	1,500.00	1,500.00

VENDOR TOTAL: 1,500.00

MOTIONPICT 76975	MPLC MOTION PICTURE LICENSING CORP. PO BOX 80144 CITY OF INDUSTRY CA, 91716-8144	04/22/2024 05/07/2024 / / 05/07/2024	504437810 0.0000	GEN N N N	MLPC UMBRELLA LICENSE 06/15/24-06/14	331.40 0.00 331.40

Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	331.40

VENDOR TOTAL: 331.40

MWEA01 77106	MWEA MICHIGAN WATER ENVIRONMENT ASSOC. 5815 EXECUTIVE DRIVE LANSING MI, 48911	05/02/2024 05/07/2024 / / 05/07/2024	23278 0.0000	GEN N N N	AFFILITE MEMBERSHIP LANCE ADAMS (#69	95.00 0.00 95.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-910.000	PROFESSIONAL DEVELOPMENT	95.00

VENDOR TOTAL: 95.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
MYERSEXC02 76976	MYERS GROUP ENTERPRISES LLC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/22/2024 05/07/2024 / / 05/07/2024	1266 0.0000	GEN N N Y	DPW 10 YD 6A STONE	450.00 0.00 450.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-930.011	ENTERPRISE POLE BARN (ORIGINAL)	450.00

MYERSEXC02 76992	MYERS GROUP ENTERPRISES LLC 8111 HAMMEL ROAD BRIGHTON MI, 48116	04/23/2024 05/07/2024 / / 05/07/2024	1271 0.0000	GEN N N Y	HAMBURG BARN 10 YDS 21AA	450.00 0.00 450.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-930.011	ENTERPRISE POLE BARN (ORIGINAL)	450.00

VENDOR TOTAL: 900.00

OAKLANDC01 77095	OAKLAND COMMUNITY COLLEGE/CREST ATTN: MICHELLE JEROME 2900 FEATHERSTONE ROAD AUBURN HILLS MI, 48326-2845	05/02/2024 05/07/2024 / / 05/07/2024	010450642 20240178 0.0000	GEN N N N	PD VEHICLE RENTAL FOR EVO TRAINING P	50.00 0.00 50.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-916.000	TRAINING VEHICLE RENTAL	50.00	50.00

OAKLANDC01 77094	OAKLAND COMMUNITY COLLEGE/CREST ATTN: MICHELLE JEROME 2900 FEATHERSTONE ROAD AUBURN HILLS MI, 48326-2845	05/02/2024 05/07/2024 / / 05/07/2024	11013 20240180 0.0000	GEN N N N	PD EVO INSTRUCTOR TRAINING - PEDERSE	675.00 0.00 675.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-916.000	TRAINING PEDERSEN	675.00	675.00

VENDOR TOTAL: 725.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
PENNCARE 77001	PENNCARE INC 1317 NORTH RD NILES OH, 44446	04/24/2024 05/07/2024 / / 05/07/2024	M103871 20240170 0.0000	GEN N N N	FD - SCENE SUPPLIES, CPAP MASKS	989.10 0.00 989.10

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-754.000	01-342409 CPAP, DEL MASK	219.80	219.80
206-000.000-754.000	01-342410 CPAP, DEL MASK	769.30	769.30
		989.10	

VENDOR TOTAL: 989.10

PINCAUTO01 77087	PINCKNEY AUTO WASH, LLC PO BOX 881 1090 E M-36 PINCKNEY MI, 48169	05/01/2024 05/07/2024 / / 05/07/2024	43024 0.0000	GEN N N Y	CAR WASHES MARCH 2024	270.00 0.00 270.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-932.000	VEHICLE MAINTENANCE	234.00
206-000.000-932.000	VEHICLE MAINTENANCE	12.00
590-527.000-932.000	VEHICLE MAINTENANCE	24.00
		270.00

VENDOR TOTAL: 270.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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PINCKNEY01 76998	PINCKNEY CHRYSLER DODGE JEEP RAM PO BOX 109 1295 E-M6 PINCKNEY MI, 48169	04/24/2024 05/07/2024 / / 05/07/2024	CHCS378939 20240169 0.0000	GEN N N Y	PD OIL CHANGE FOR 2021 FORD TRUCK PO	32.49 0.00 32.49
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	OIL CHANGE	32.49	32.49

PINCKNEY01 77022	PINCKNEY CHRYSLER DODGE JEEP RAM PO BOX 109 1295 E-M6 PINCKNEY MI, 48169	04/25/2024 05/07/2024 / / 05/07/2024	CHCS378948 20240174 0.0000	GEN N N Y	PD 2021 DODGE DURANGO TIRE REPLACEME	166.81 0.00 166.81
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	2021 DURANGO TIRE REPLACEMENT AND OIL CH	166.81	166.81

VENDOR TOTAL: 199.30

PITNEYBOWE 77053	PITNEY BOWES INC. PO BOX 981039 BOSTON MA, 02298-1039	04/30/2024 05/07/2024 / / 05/07/2024	1025235124 0.0000	GEN N N N	E-Z SEAL (4 BOTTLES)	82.99 0.00 82.99
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-851.000	POSTAGE	82.99

VENDOR TOTAL: 82.99

PORTTOILTS 76993	PORTABLE TOILET SERVICES LLC 4900 MCCARTHY DRIVE MILFORD MI, 48381	04/24/2024 05/07/2024 / / 05/07/2024	99791 0.0000	GEN N N Y	04/15-05/12/24	3,982.18 0.00 3,982.18
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-800.000-942.000	PORTABLE TOILETS	1,722.90
208-751.000-942.000	PORTABLE TOILETS	2,259.28

3,982.18

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		

VENDOR TOTAL: 3,982.18

PROTECHSAL	PRO-TECH SALES	05/02/2024	INV3410	GEN	PD CARRIERS AND UNIFORM EQUIPMENT ST	
77096	1313 WEST BAGLEY ROAD	05/07/2024	20240179	N		1,859.00
	BEREA OH, 44017	/ /	0.0000	N		0.00
		05/07/2024		N		1,859.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	UNIFORM EQUIPMENT	1,859.00	1,859.00

VENDOR TOTAL: 1,859.00

R&RFIRE01	R&R FIRE TRUCK REPAIR, INC.	04/22/2024	68026	GEN	FD - MAINTENANCE TO BREATHING AIR CO	
76977	751 DOHENY DRIVE	05/07/2024	20240154	N		362.80
	NORTHVILLE MI, 48167	/ /	0.0000	N		0.00
		05/07/2024		N		362.80

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-931.000	LABOR	244.50	244.50
206-000.000-931.000	PARTS	110.30	110.30
206-000.000-931.000	SHOP SUPPLIES	8.00	8.00

362.80

VENDOR TOTAL: 362.80

BOOMERSRJV	RJV ENTERPRISES, INC.	04/30/2024	43024	GEN	SEN CTR LUNCH-FEB-MARCH-APRIL/BOR LU	
77080	DBA BOOMERS PARTY STORE & PIZZA	05/07/2024		N		740.44
	8999 HAMBURG ROAD	/ /	0.0000	N		0.00
	BRIGHTON MI, 48116	05/07/2024		N		740.44

Open

GL NUMBER	DESCRIPTION	AMOUNT
208-000.000-239.700	SENIOR CENTER LUNCH PROGRAM-FEB	285.50
208-000.000-239.700	SENIOR CENTER LUNCH PROGRAM-MARCH	202.00
208-000.000-239.700	SENIOR CENTER LUNCH PROGRAM-APRIL	202.00
101-247.000-955.000	SUNDRY-BOR	50.94

740.44

VENDOR TOTAL: 740.44

70

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
SITEONELAN 77121	SITEONE LANDSCAPE SUPPLY, LLC 24110 NETWORK PLACE CHICAGO IL, 60673-1241	05/02/2024 05/07/2024 / / 05/07/2024	140385476-001 0.0000	GEN N N Y	FERTILIZER/STRAW BLANKET/SEED/SOD ST	 1,788.53 0.00 1,788.53

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-567.000-955.000	SUNDRY	894.27
101-265.000-930.000	MAINTENANCE TWP HALL	447.13
208-820.000-930.001	MAINTENANCE COMM CENTER	447.13
		1,788.53

VENDOR TOTAL: 1,788.53

SMARTBUSIN 76980	SMART BUSINESS SOURCE, LLC 1940 NORTHWOOD DR TROY MI, 48084	04/22/2024 05/07/2024 / / 05/07/2024	OE-77288-1 20240162 0.0000	GEN N N N	PD FURNITURE FOR NEW OFFICES	 1,374.00 0.00 1,374.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
101-101.000-980.000	4 SHELF BOOKCASE-GARBACIK	421.00	421.00
101-101.000-980.000	MED ROUND END CAP-LOCKE	358.00	358.00
101-101.000-980.000	END CAP BOOKSHELF	595.00	595.00
		1,374.00	1,374.00

VENDOR TOTAL: 1,374.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
SPRINGFIEL 76981	SPRINGFIELD URGENT CARE PLLC 320 TOWN CENTER BLVD. STE. C-101 WHITE LAKE MI, 48386-2183	04/22/2024 05/07/2024 / / 05/07/2024	23450 0.0000	GEN N N N	EMPLOYEE PHYSICALS	6,194.56 0.00 6,194.56

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-262.000-955.000	SUNDRY	135.00
101-265.000-955.000	SUNDRY	609.00
206-000.000-843.100	EMPLOYEE PHYSICALS/VACCINATION	1,496.00
207-000.000-955.000	SUNDRY	942.57
590-527.000-843.000	MISC MEDICAL EXPENSES	2,944.49
208-751.000-955.000	SUNDRY	67.50
		6,194.56

VENDOR TOTAL: 6,194.56

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
STAPLES102 77089	STAPLES ADVANTAGE P.O. BOX 660409 DALLAS TX, 75266-0409	05/01/2024 05/07/2024 / / 05/07/2024	7000516696 0.0000	GEN N N N	APRIL 2024	203.93 0.00 203.93

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	39.99
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	117.14
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	23.11
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	20.70
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	2.99
		203.93

VENDOR TOTAL: 203.93

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
TMOBILEUSA 77097	T-MOBILE USA, INC. P.O. BOX 94503 SEATTLE WA, 98124	05/02/2024 05/07/2024 / / 05/07/2024	9566241822 20240183 0.0000	GEN N N N	PD TOWER DUMPS - LEEDS	150.00 0.00 150.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-967.000	TOWER DUMP	150.00	150.00

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Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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VENDOR TOTAL: 150.00

TODD'S 76984	TODD'S SERVICES INC 7975 M-36 PO BOX 608 HAMBURG MI, 48139	04/22/2024 05/07/2024 / / 05/07/2024	1-260832-W 0.0000	GEN N N N	DELVIERY MULCH/EGG ROCK/TOPSOIL	1,367.60 0.00 1,367.60
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Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-930.002	MAINTENANCE POLICE BUILDING	450.00
101-265.000-930.000	MAINTENANCE TWP HALL	305.87
208-820.000-930.001	MAINTENANCE COMM CENTER	305.87
208-751.000-930.005	MAINTENANCE PARK FACILITIES	305.86
		<u>1,367.60</u>

VENDOR TOTAL: 1,367.60

TLOLLC 76982	TRANSUNION RISK AND ALTERNATIVE DATA SOLUTIONS, INC. P.O. BOX 209047 DALLAS TX, 75320-9047	04/22/2024 05/07/2024 / / 05/07/2024	378853-202402-1 20240032 0.0000	GEN N N N	MONTHLY USAGE CHARGES 02/01/24-02/29	136.00 0.00 136.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-801.000	FEB 2024 MONTHLY CHARGES	136.00	136.00

VENDOR TOTAL: 136.00

UNMANNED 77051	UNMANNED VEHICLE TECHNOLOGIES LLC 1722 N COLLEGE AVE, SUITE D FAYETTEVILLE AR, 72703	04/30/2024 05/07/2024 / / 05/07/2024	INV/2024/000589 20240176 0.0000	GEN N N Y	PD DRONE EQUIPMENT	378.00 0.00 378.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-967.000	MAVIC 2	189.00	189.00
206-000.000-967.000	MAVIC 2	189.00	189.00
		<u>378.00</u>	

VENDOR TOTAL: 378.00

User: MarcyM

EXP CHECK RUN DATES 05/07/2024 - 05/07/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
VANCEOUTDO 77098	VANCE OUTDOORS, INC. 3723 CLEVELAND AVE. COLUMBUS OH, 43224	05/02/2024 05/07/2024 / / 05/07/2024	1151560-IN 20240107 0.0000	GEN N N N	PD - AMMUNITION	 2,135.09 0.00 2,135.09

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-752.100	.308 WIN 168 GR ELD MATCH TAP PRECISION	2,085.09	2,085.09
207-000.000-752.100	SHIPPING	50.00	50.00
		2,135.09	

VENDOR TOTAL: 2,135.09

DATANETSYS 76995	VEL INC PO BOX 700744 PLYMOUTH MI, 48170	04/24/2024 05/07/2024 / / 05/07/2024	29878 20240164 0.0000	GEN N N N	PD NEW INTERVIEW ROOM RECORDING CAME	 2,968.00 0.00 2,968.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-756.000	1990 HARDWARE, CONSUMABLES, MISC	168.00	168.00
207-000.000-756.000	20004 INSTALL LABOR DNET TECH	2,800.00	2,800.00
		2,968.00	

VENDOR TOTAL: 2,968.00

VERIZONW01 77085	VERIZON WIRELESS PO BOX 15062 ALBANY NY, 12212-5062	05/01/2024 05/07/2024 / / 05/07/2024	9962359841 0.0000	GEN N N N	DPW ON CALL	 50.60 0.00 50.60
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-853.000	PHONE/COMM/INTERNET	50.60

VENDOR TOTAL: 50.60

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
W-4SIGNS01 76985	W-4 SIGNS 8200 GRAND RIVER AVE. BRIGHTON MI, 48114	04/22/2024 05/07/2024 / / 05/07/2024	27553 0.0000	GEN N N Y	ASSESSING MAGNETIC VEHICLE SIGNS	140.00 0.00 140.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-257.000-955.000	SUNDRY	140.00

VENDOR TOTAL: 140.00

WCAASSESSG 76986	WCA ASSESSING LLC 38110 N. EXECUTIVE #100 WESTLAND MI, 48185	04/22/2024 05/07/2024 / / 05/07/2024	041624 0.0000	GEN N N Y	ASSESSMENT SERVICES MAY 2024	28,346.00 0.00 28,346.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-257.000-801.000	CONTRACTUAL SERVICES	28,346.00

VENDOR TOTAL: 28,346.00

TOTAL - ALL VENDORS: 200,568.68

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: ACH TRANSFER

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
PRINTSYS01	PRINTING SYSTEMS, INC.	05/01/2024	42924	GEN	PREPAID POSTAGE FOR ELECTION MAILING	
77086	12005 BEECH DALY ROAD	05/07/2024		N		635.64
	TAYLOR MI, 48180	/ /	0.0000	N		0.00
		05/07/2024		N		635.64

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-851.000	POSTAGE	635.64

VENDOR TOTAL: 635.64

TOTAL - ALL VENDORS: 635.64

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
ALERUSRETR 77041	ALERUS RETIREMENT SOLUTIONS P.O. BOX 64535 SAINT PAUL MN, 55164	04/25/2024 04/11/2024 / / 04/11/2024	041024 0.0000	GEN N N N	401A CONTRIBUTION 04/118/24	 12,812.62 0.00 12,812.62

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-073.003	RETIREMENT - LIBRARY	1,353.60
101-171.000-716.000	DEFINED CONTRIBUTION	453.66
101-201.000-716.000	DEFINED CONTRIBUTION	720.36
101-262.000-716.000	DEFINED CONTRIBUTION	586.24
101-215.000-716.000	DEFINED CONTRIBUTION	824.22
101-228.000-716.000	DEFINED CONTRIBUTION	511.45
101-253.000-716.000	DEFINED CONTRIBUTION	439.92
101-265.000-716.000	DEFINED CONTRIBUTION	499.02
101-702.000-716.000	DEFINED CONTRIBUTION	588.98
208-751.000-716.000	DEFINED CONTRIBUTION	210.97
208-820.000-716.000	DEFINED CONTRIBUTION	315.64
206-000.000-716.000	DEFINED CONTRIBUTION	2,666.63
207-000.000-716.000	DEFINED CONTRIBUTION	1,131.56
590-527.000-716.000	DEFINED CONTRIBUTION	2,510.37
		<hr/> 12,812.62

ALERUSRETR 77042	ALERUS RETIREMENT SOLUTIONS P.O. BOX 64535 SAINT PAUL MN, 55164	04/25/2024 04/11/2024 / / 04/11/2024	041024 0.0000	GEN N N N	457 CONTRIBUTION 04/11/24	 14,161.59 0.00 14,161.59
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.500	DEFERRED COMPENSATION/457	14,161.59

ALERUSRETR 77043	ALERUS RETIREMENT SOLUTIONS P.O. BOX 64535 SAINT PAUL MN, 55164	04/25/2024 04/25/2024 / / 04/25/2024	042324 0.0000	GEN N N N	401A CONTRIBUTION 04/25/24	 13,566.71 0.00 13,566.71
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-073.003	RETIREMENT - LIBRARY	1,353.60
101-101.000-716.000	DEFINED CONTRIBUTION	343.24
101-171.000-716.000	DEFINED CONTRIBUTION	453.66
101-201.000-716.000	DEFINED CONTRIBUTION	720.36
101-262.000-716.000	DEFINED CONTRIBUTION	608.14

User: MarcyM

EXP CHECK RUN DATES 04/01/2024 - 04/30/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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101-215.000-716.000	DEFINED CONTRIBUTION					846.12
101-228.000-716.000	DEFINED CONTRIBUTION					511.45
101-253.000-716.000	DEFINED CONTRIBUTION					457.57
101-265.000-716.000	DEFINED CONTRIBUTION					589.22
101-702.000-716.000	DEFINED CONTRIBUTION					588.98
208-751.000-716.000	DEFINED CONTRIBUTION					210.97
208-820.000-716.000	DEFINED CONTRIBUTION					315.64
206-000.000-716.000	DEFINED CONTRIBUTION					2,903.89
207-000.000-716.000	DEFINED CONTRIBUTION					1,131.56
590-527.000-716.000	DEFINED CONTRIBUTION					2,532.31
						13,566.71

ALERUSRETR 77044	ALERUS RETIREMENT SOLUTIONS P.O. BOX 64535 SAINT PAUL MN, 55164	04/25/2024 04/25/2024 / / 04/25/2024	042324 0.0000	GEN N N N	457 CONTRIBUTION 04/25/24	13,389.73 0.00 13,389.73
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.500	DEFERRED COMPENSATION/457	13,389.73

VENDOR TOTAL: 53,930.65

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
BCBSM 77013	BLUE CROSS BLUE SHIELD OF MICHIGAN P.O. BOX 674416 DETROIT MI, 48267-4416	04/25/2024 04/29/2024 / / 05/07/2024	040924 0.0000	GEN N N N	05/01/24-05/31/24	 71,019.65 0.00 71,019.65

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-262.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,428.66
101-265.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,808.59
101-000.000-073.001	HEALTH INSURANCE - LIBRARY	3,206.45
101-171.000-718.000	HEALTH/DENTAL/VISION INSURANCE	1,713.62
101-201.000-718.000	HEALTH/DENTAL/VISION INSURANCE	3,885.86
101-215.000-718.000	HEALTH/DENTAL/VISION INSURANCE	3,563.30
101-228.000-718.000	HEALTH/DENTAL/VISION INSURANCE	777.17
101-253.000-718.000	HEALTH/DENTAL/VISION INSURANCE	1,942.93
101-702.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,584.22
206-000.000-718.000	HEALTH/DENTAL/VISION INSURANCE	9,904.23
207-000.000-718.000	HEALTH/DENTAL/VISION INSURANCE	26,115.15
208-751.000-718.000	HEALTH/DENTAL/VISION INSURANCE	1,360.05
208-820.000-718.000	HEALTH/DENTAL/VISION INSURANCE	1,942.93
590-527.000-718.000	HEALTH/DENTAL/VISION INSURANCE	8,786.49
		71,019.65

VENDOR TOTAL: 71,019.65

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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CONSUMER01 76707	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/01/2024 04/03/2024 / / 04/03/2024	202254278790 0.0000	GEN N N	1030 4914 5271 6414 WINANS 02/08-03/	20.35 0.00 20.35
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	20.35

CONSUMER01 77025	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/25/2024 04/25/2024 / / 04/25/2024	203233219157 0.0000	GEN N N	1030 4914 0678 02/29-04/01/24 HAMBUR	19.56 0.00 19.56
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	19.56

CONSUMER01 76715	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/01/2024 04/04/2024 / / 04/04/2024	205635823425 0.0000	GEN N N	1030 4914 0694 SEN CTR 02/09-03/08/2	352.39 0.00 352.39
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-921.000	NATURAL GAS/HEAT	352.39

CONSUMER01 76714	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/01/2024 04/04/2024 / / 04/04/2024	205635823426 0.0000	GEN N N	1030 4914 1122 SHOP 02/09-03/08/24	65.23 0.00 65.23
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-921.000	NATURAL GAS/HEAT	65.23

CONSUMER01 76709	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/01/2024 04/04/2024 / / 0.0000	205635823427 0.0000	GEN N N	1030 4914 1148 9251 REGENCY 02/09-03	18.67 0.00 18.67
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Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount

		04/04/2024		N		18.67
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	18.67

CONSUMER01	CONSUMERS ENERGY	04/01/2024	205635823428	GEN	1030 4914 1155 POLE BLDG 02/09-03/08	
76710	PO BOX 740309	04/04/2024		N		215.16
	PAYMENT CENTER	/ /	0.0000	N		0.00
	CINCINNATI OH, 45274-0309	04/04/2024		N		215.16

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-921.000	NATURAL GAS/HEAT	215.16

CONSUMER01	CONSUMERS ENERGY	04/01/2024	205635823429	GEN	1030 4914 1213 DPW 02/09-03/08/24	
76712	PO BOX 740309	04/04/2024		N		243.96
	PAYMENT CENTER	/ /	0.0000	N		0.00
	CINCINNATI OH, 45274-0309	04/04/2024		N		243.96

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	243.96

CONSUMER01	CONSUMERS ENERGY	04/01/2024	205635823431	GEN	1030 4914 3862 TWP 02/09-03/08/24	
76711	PO BOX 740309	04/04/2024		N		609.01
	PAYMENT CENTER	/ /	0.0000	N		0.00
	CINCINNATI OH, 45274-0309	04/04/2024		N		609.01

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-921.000	NATURAL GAS/HEAT	609.01

CONSUMER01	CONSUMERS ENERGY	04/01/2024	205635823432	GEN	1030 4914 5248 4320 CORDLEY LK RD 02	
76708	PO BOX 740309	04/04/2024		N		24.59
	PAYMENT CENTER	/ /	0.0000	N		0.00
	CINCINNATI OH, 45274-0309	04/04/2024		N		24.59

Open

GL NUMBER	DESCRIPTION	AMOUNT
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User: MarcyM

EXP CHECK RUN DATES 04/01/2024 - 04/30/2024

Item 13.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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590-527.000-921.000	NATURAL GAS/HEAT					24.59
CONSUMER01 76713	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/01/2024 04/04/2024 / / 04/04/2024	205635823433 0.0000	GEN N N N	1030 4914 7939 WWTP 02/09-03/08/24	 8,016.06 0.00 8,016.06

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-921.000	NATURAL GAS/HEAT	8,016.06

CONSUMER01 76706	CONSUMERS ENERGY PO BOX 740309 PAYMENT CENTER CINCINNATI OH, 45274-0309	04/01/2024 04/03/2024 / / 04/03/2024	206080758306 0.0000	GEN N N N	1000 3979 7285 FD#12 02/08/24-03/07	 885.37 0.00 885.37
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-921.000	NATURAL GAS/HEAT	885.37

VENDOR TOTAL: 10,470.35

CRITTERCAT 76870	CRITTER CATCHERS, INC. 3723 THORNVILLE ROAD METAMORA MI, 48455	04/09/2024 04/30/2024 / / 04/30/2024	51665 20240126 0.0000	GEN N N N	FD - PREVENT A MOUSE TREATMENT, FD S	 89.00 0.00 89.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-930.003	PREVENT A MOUSE - STATION 11	89.00	89.00

VENDOR TOTAL: 89.00

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
DTEENRGY01 76670	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	03/26/2024 04/12/2024 / / 04/12/2024	032624 0.0000	GEN N N N	9200 279 0885 3 SIREN 2952 SHEHAN 02	22.19 0.00 22.19

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	22.19

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
DTEENRGY01 76716	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/12/2024 / / 04/12/2024	032624 0.0000	GEN N N N	9200 279 0884 6 7201 WINANS SIREN 02	22.19 0.00 22.19

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	22.19

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
DTEENRGY01 76744	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/15/2024 / / 04/15/2024	032824 0.0000	GEN N N N	9100 167 2020 3 7701 HAMBURG RD 02/2	23.52 0.00 23.52

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	23.52

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
DTEENRGY01 76746	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9100 086 3102 0 MUMFORD PK STREET LT	158.30 0.00 158.30

Open

GL NUMBER	DESCRIPTION	AMOUNT
282-000.000-926.000	STREET LIGHTING	158.30

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
DTEENRGY01 76755	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9100 086 3146 7 FD#12 02/23-03/22/24	1,325.16 0.00 1,325.16

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.000	ELECTRIC	1,325.16

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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DTEENRGY01 76756	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9200 279 0879 6 STRAWBERRY LAKE SIRE	22.19 0.00 22.19
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	22.19

DTEENRGY01 76757	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9200 279 0880 4 PETTYSVILLE SIREN 02	22.19 0.00 22.19
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	22.19

DTEENRGY01 76758	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9100 114 5063 2 STRAWBERRY SIREN02/2	21.99 0.00 21.99
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	21.99

DTEENRGY01 76759	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9200 279 0878 8 CHILSON SIREN 02/24-	22.19 0.00 22.19
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.100	SIREN ELECTRIC USAGE	22.19

DTEENRGY01 76760	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9200 279 0883 8 2789 M 36 SIREN 02/2	22.19 0.00 22.19
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Open

GL NUMBER	DESCRIPTION	AMOUNT
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Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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206-000.000-920.100	SIREN ELECTRIC USAGE					22.19
DTEENRGY01 76761	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9200 190 0960 3 CHILSON SIREN 02/24-	21.99 0.00 21.99

Open

GL NUMBER	DESCRIPTION	AMOUNT				
206-000.000-920.100	SIREN ELECTRIC USAGE	21.99				
DTEENRGY01 76747	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 160 2734 4 TUNNEL LTG 02/24-03/	130.45 0.00 130.45

Open

GL NUMBER	DESCRIPTION	AMOUNT				
208-751.000-920.000	ELECTRIC	130.45				
DTEENRGY01 76748	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 160 2711 2 PD 02/24-03/25/24	1,400.29 0.00 1,400.29

Open

GL NUMBER	DESCRIPTION	AMOUNT				
207-000.000-920.000	ELECTRIC	1,400.29				
DTEENRGY01 76749	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 122 7190 4 MERRILL FIELD 02/24-	20.03 0.00 20.03

Open

GL NUMBER	DESCRIPTION	AMOUNT				
208-751.000-920.000	ELECTRIC	20.03				
DTEENRGY01 76750	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 086 3118 6 CEMETERY 02/24-03/25	17.63 0.00 17.63

Open

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-920.000	ELECTRIC	17.63

DTEENRGY01 76751	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 086 3133 5 FD#11 02/24-03/25/24	 1,124.78 0.00 1,124.78
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Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-920.000	ELECTRIC	1,124.78

DTEENRGY01 76752	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 081 1689 9 PARKING LOT LTS 02/2	 52.39 0.00 52.39
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-751.000-920.000	ELECTRIC	52.39

DTEENRGY01 76753	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 081 1673 3 SOCCER FIELD 02/24-0	 75.53 0.00 75.53
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-751.000-920.000	ELECTRIC	75.53

DTEENRGY01 76754	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9100 095 9768 3 SEN CTR 02/24-03/25/	 486.16 0.00 486.16
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Open

GL NUMBER	DESCRIPTION	AMOUNT
208-820.000-920.000	ELECTRIC	486.16

DTEENRGY01 76791	DTE ENERGY PO BOX 740786 CINCINNATI OH, 45274-0786	04/03/2024 04/17/2024 / / 04/17/2024	040124 0.0000	GEN N N N	9200 190 0961 1 STRAWBERRY PUMP 02/2	 768.17 0.00 768.17
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Open

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	768.17
DTEENRGY01	DTE ENERGY	04/03/2024 040124 GEN 9100 146 5433 9 EDGELAKE 02/24-03/25
76792	PO BOX 740786	04/17/2024 N 17.63
	CINCINNATI OH, 45274-0786	/ / 0.0000 N 0.00
		04/17/2024 N 17.63

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	17.63
DTEENRGY01	DTE ENERGY	04/03/2024 040124 GEN 9100 139 0346 3 B&G 02/24-03/25/24
76793	PO BOX 740786	04/17/2024 N 245.68
	CINCINNATI OH, 45274-0786	/ / 0.0000 N 0.00
		04/17/2024 N 245.68

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-920.000	ELECTRIC	245.68
DTEENRGY01	DTE ENERGY	04/03/2024 040124 GEN 9100 086 3167 3 TWP 02/24-03/25/24
76794	PO BOX 740786	04/17/2024 N 1,626.80
	CINCINNATI OH, 45274-0786	/ / 0.0000 N 0.00
		04/17/2024 N 1,626.80

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-920.000	ELECTRIC	1,626.80
DTEENRGY01	DTE ENERGY	04/03/2024 040124 GEN 9100 086 3078 2 WWTP 02/24-03/25/24
76795	PO BOX 740786	04/17/2024 N 7,172.50
	CINCINNATI OH, 45274-0786	/ / 0.0000 N 0.00
		04/17/2024 N 7,172.50

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-920.000	ELECTRIC	7,172.50
DTEENRGY01	DTE ENERGY	04/03/2024 040124 GEN 9100 081 1657 6 HAMBURG RD PUMP 02/2
76796	PO BOX 740786	04/17/2024 N 647.89
	CINCINNATI OH, 45274-0786	/ / 0.0000 N 64
		04/17/2024 N 87

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	647.89
DTEENRGY01	DTE ENERGY	04/03/2024 040124
76797	PO BOX 740786	04/17/2024
	CINCINNATI OH, 45274-0786	/ / 0.0000
		04/17/2024

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	519.51
DTEENRGY01	DTE ENERGY	04/03/2024 040124
76798	PO BOX 740786	04/17/2024
	CINCINNATI OH, 45274-0786	/ / 0.0000
		04/17/2024

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	226.34
DTEENRGY01	DTE ENERGY	04/03/2024 040124
77038	PO BOX 740786	04/17/2024
	CINCINNATI OH, 45274-0786	/ / 0.0000
		04/17/2024

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	68.29
DTEENRGY01	DTE ENERGY	04/25/2024 040824
77038	PO BOX 740786	04/25/2024
	CINCINNATI OH, 45274-0786	/ / 0.0000
		04/25/2024

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	266.71
DTEENRGY01	DTE ENERGY	04/25/2024 040824
77037	PO BOX 740786	04/23/2024
	CINCINNATI OH, 45274-0786	/ / 0.0000
		04/23/2024

Item 13.

UNJOURNALIZED OPEN
BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
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Open		04/23/2024			N		33.03
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GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-920.000	ELECTRIC	33.03

VENDOR TOTAL: 16,583.91

DETROITE02 76743	DTE ENERGY - STREET LIGHTS PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/10/2024 / / 04/10/2024	030424 0.0000	GEN N N N	9100-4056-2340 02/01-02/29/24	1,669.31 0.00 1,669.31
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-448.000-926.000	STREET LIGHTING	1,669.31

DETROITE02 76745	DTE ENERGY - STREET LIGHTS PO BOX 740786 CINCINNATI OH, 45274-0786	04/02/2024 04/16/2024 / / 04/16/2024	040124 0.0000	GEN N N N	9100 167 2011 2 UNIT LTG/STREET LTG	424.18 0.00 424.18
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-448.000-926.000	STREET LIGHTING	424.18

VENDOR TOTAL: 2,093.49

MERS000001 77040	MUNICIPAL EMPLOYEE'S RETIRE- 1134 MUNICIPAL WAY LANSING MI, 48917	04/25/2024 04/16/2024 / / 04/16/2024	00154356-4 0.0000	GEN N N N	2024-3	40,514.15 0.00 40,514.15
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.800	MUNICIPAL EMPLOYEES RETIREMENT	9,768.61
207-000.000-716.000	DEFINED CONTRIBUTION	30,745.54
		40,514.15

VENDOR TOTAL: 40,514.15

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
TELNETWORL 77045	TELNET WORLDWIDE 8020 SOLUTIONS CENTER CHICAGO IL, 60677-8000	04/25/2024 04/12/2024 / / 04/12/2024	49939 0.0000	GEN N N N	03/15/24-04/14/24	394.57 0.00 394.57

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-853.000	PHONE/COMM/INTERNET	11.28
101-275.000-853.000	PHONE/COMM/INTERNET	129.49
206-000.000-853.000	PHONE/COMM/INTERNET	112.80
207-000.000-853.000	PHONE/COMM/INTERNET	124.08
208-820.000-853.000	PHONE/COMM/INTERNET	16.92
		<u>394.57</u>

VENDOR TOTAL: 394.57

SUNOCOFI01 77077	WEX BANK P.O. BOX 4337 CAROL STREAM IL, 60197-4337	04/30/2024 04/15/2024 / / 04/15/2024	96068847 20240112 0.0000	GEN N N N	FD - FUEL INVOICE #96068847 03/01-0	2,449.64 0.00 2,449.64
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-759.000	FD FUEL CHARGES	2,449.64	2,449.64

VENDOR TOTAL: 2,449.64

Item 13.

UNJOURNALIZED OPEN

BANK CODE: GEN - CHECK TYPE: EFT

Vendor Code Ref #	Vendor name Address City/State/Zip	Post Date CK Run Date Disc. Date Due Date	Invoice PO Disc. %	Bank Hold Sep CK 1099	Invoice Description	Gross Amount Discount Net Amount
SUNOCOTO01 77076	WEX BANK P.O. BOX 6293 CAROL STREAM IL, 60197	04/30/2024 04/05/2024 / / 04/15/2024	95915248 0.0000	GEN N N N	FUEL 02/23-03/23/24	 1,626.56 0.00 1,626.56

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-759.000	VEHICLE FUEL	382.42
590-527.000-759.000	VEHICLE FUEL	1,085.26
101-275.000-759.000	VEHICLE FUEL	112.57
101-275.000-759.000	VEHICLE FUEL	48.08
101-265.000-759.000	VEHICLE FUEL	(1.77)
		<u>1,626.56</u>

SUNOCOTO01 77078	WEX BANK P.O. BOX 6293 CAROL STREAM IL, 60197	04/30/2024 04/15/2024 / / 04/15/2024	96135057 20240113 0.0000	GEN N N N	FUEL FOR PATROL CARS 03/01-03/31/24	 5,234.36 0.00 5,234.36
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Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-759.000	VEHICLE FUEL	5,234.36	5,234.36

SUNOCOTO01 77079	WEX BANK P.O. BOX 6293 CAROL STREAM IL, 60197	04/30/2024 04/15/2024 / / 04/15/2024	96521181 0.0000	GEN N N N	03/23-04/23/24	 1,415.61 0.00 1,415.61
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Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-759.000	VEHICLE FUEL	374.65
590-527.000-759.000	VEHICLE FUEL	821.56
101-275.000-759.000	VEHICLE FUEL	164.03
101-275.000-759.000	VEHICLE FUEL	55.37
		<u>1,415.61</u>

VENDOR TOTAL: 8,276.53

TOTAL - ALL VENDORS: 205,821.94

**PART II
 TOWNSHIP APPENDICES**

Appendix A

HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE

ARTICLE I. IN GENERAL

Fees are established by a resolution passed by the Hamburg Township Board of Trustees as part of their annual budgeting process. Fees for services regulated by State or Federal entities are charged according to their policies and included herein by reference.

Secs. 1-1—1-19. Reserved.

ARTICLE II. SPECIFIC FEES

Sec. 1-20. Department of parks and recreation.

Prohibited activities: Alcoholic beverages, un-permitted fireworks, professional sporting events, pets during large events. All events/special uses must be proposed and permitted through a special approval process through the Hamburg Township Board. This process may require further permits and the submittal of specialty insurance naming Hamburg Township as Additional Insured.

Fee Type	Amount	Frequency	Comments
<i>Negotiated Contract</i>			
Parkland Sports—Partner Group pre-approved by Board	Seasonal Flat rate negotiated at time of application based on type of fields and maintenance required	Negotiated Contract will be on a per season basis and shall include maintenance specific to the covered area	Spring use must be scheduled by 3/31 each year. After 4/1 calendar is open to the public. Fall use schedule due by 7/1.
<i>Sports - Hourly Rates</i>			
Parkland Sports—Hourly Rate – Resident	\$35.00	2-hour block	Use must be scheduled

Event - Daily Rates			
Park Fees – Low Hazard – Partner/Resident	\$ 375.00	Per day/per area	Less than 1,000 people
Event Use—Low Hazard – Non-Partner/Resident	\$750.00	Per day/per area	Less than 1,000 people
Event Use—Medium Hazard – Partner/Resident	\$750.00	Per day/per area	1,000 – 2,500 people See Sec. 1-21. Public Safety for required additional charges
Event Use—Medium Hazard – Non-Partner/Resident	\$1,500.00	Per day/per area	1,000 – 2,500 people See Sec. 1-21. Public Safety for required additional charges
Event Use—High Hazard – Partner/Resident	\$1,250.00	Per day/per area	2,501 - 5,000 people See Sec. 1-21. Public Safety for required additional charges
Event Use—High Hazard – Non-Partner/Resident	\$2,500.00	Per day/per area	2,501 - 5,000 people See Sec. 1-21. Public Safety for required additional charges
Special Use – Event Proposal	TBD	Flat Rate negotiated by the Township Board and may be placed on the event calendar a BLACKOUT DATE, which prohibits regular users from fields in the area	Negotiated by the Township Board and may warrant a special contract and insurance requirements based on exposure/hazard
Other Fees			
Merrill Field Golf Course/Pickleball/Adult Workout/Volleyball	\$2.00	Per use	Suggested cash donation, welcome but not required
Restoration/Clean-up/Damage Bond—Winkelhaus Gazebo	\$250.00	Per use	Refunded after damage inspection
Restoration/Clean-up/Damage Bond—Manly Bennett Park	\$1,000.00	Per field/area	Refunded after damage inspection

Sec. 1-21. Public safety (Police/Fire/Park Rangers during events).

Department	Fee	Frequency	Comments
Public Safety—Low Hazard	—	Per application/event	No Public Safety will be charged for, but their presence is up to discretion based on Park Use Request
Public Safety—Medium Hazard	\$800.00	Full day/2 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—Medium Hazard	\$400.00	Half day/2 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—High Hazard	\$1,600.00	Full day/4 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—High Hazard	\$800.00	Half day/4 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—Special Use Category	Actual salary costs of staff who aren't working a regularly scheduled shift		To be calculated by public safety director in consultation with Parks & Recreation Director and event organizers

See public safety fee chart as referenced by parklands and community center fee schedule—App. 1.

Sec. 1-22. Senior Center (scheduled by Senior Center – Membership required to participate).

Department	Fee	Frequency
Membership fee—55 and up	\$5.00	Annual
Membership newsletter (mailed physical copy only)	\$15.00	Annual
Other fees		
Euchre/pinochle games	\$1.00	Per table of 4
Bingo	\$2.50	Flat Rate to Play
Trips	Charges vary – Details provided at time of registration	Regularly scheduled, must register to participate
Lunch Program	\$5.00	3 days a week, register to participate – walk-ins limited

Sec. 1-23. Community Center (scheduled by Parks and Recreation – RESIDENTS ONLY).

Department	Fee	Frequency	Comments
Monthly Meetings – Regular date and time booked for year for Non-profit/Homeowner Associations – Flat Rate	\$120.00	Non-refundable	Use must be scheduled, reschedules are allowed as available
Resident/Non-Profit Meetings – Hourly Room Rental Rate	\$10.00 flat first 3 hours, \$10.00 per hour thereafter (same day)	Invoiced through Parks, fees are non-refundable	Uses are scheduled with Parks and Recreation
Business Use – Hourly Room Rental Rate	\$25.00 flat first 3 hours, \$15.00 per hour thereafter (same day)	Invoiced through Parks, fees are non-refundable	Uses are scheduled with Parks and Recreation
Event Use – Hourly Room Rental Rate	\$50.00 each hour for first 4 hours, then \$35.00 per hour thereafter (same day)	Invoiced through Parks – requires a \$250.00 refundable damage/key deposit	Use must be scheduled with Parks & Recreation, must be minimum of 4 hours
Key Replacement—Key Fob	\$100.00	When misplaced	May warrant Re-key charge
Re-key of facility	\$400.00	When misplaced	
Unsecured or Damaged Building/Contents charge	\$75.00	First incident	—
Unsecured or Damaged Building/Contents charge	\$150.00	Second incident	—
Unsecured or Damaged Building/Contents charge	—	Use is revoked	—

See parklands and community center use fee schedule for details—App. 1.

Sec. 1-24. Fire department.

Fees for cost recovery are calculated and charged on a case-by-case basis as outlined in the International Fire Code Ordinance No. 76A and Public Safety Cost Recovery Ordinance No. 98.

<i>Department</i>	<i>Fee</i>	<i>Frequency</i>	<i>Comments</i>
Tent Permit—Event vendors	\$50.00	Per application/event	Parks and recreation invoices for events held on Township grounds
Permit Fees—Hazardous Materials	\$100.00	0-1,000 lbs; 0-100 cu. ft; 0-330 gal.	Fire department invoices for charges

Permit Fees— Hazardous Materials	\$250.00	1,001-20,000 lbs; 101- 6,000 cu. ft; 331-990 gal.	Fire department invoices for charges
Permit Fees— Hazardous Materials	\$500.00	20,000+ lbs.; 6,001+ cu. ft; 991+ gal.	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$80.00	1-20 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$90.00	21-50 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$100.00	51-100 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$120.00	101-200 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$140.00	201-300 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$160.00	301-400 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$180.00	401-500 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$200.00	501-1,000 heads	Fire department invoices for charges
Permit Fees— Standpipes	\$45.00	Per standpipe	Fire department invoices for charges
Permit Fees—Fire Pump	\$50.00	Per pump	Fire department invoices for charges
Permit Fees—Dry or Wet Chemical Fire Suppression Systems	\$90.00	1st system, all subsequent in same location \$45.00	Fire department invoices for charges
Permit Fees—Dry or Wet Chemical Fire Suppression Systems— Alterations	\$35.00	—	Fire department invoices for charges
Permit Fees—Total Flooding agent extinguishing systems	\$90.00	Per system plus appropriate system fee	Fire department invoices for charges
Permit Fees— Devices—Control Panel	\$20.00	Per panel	Fire department invoices for charges
Permit Fees— Devices—First initiating control device	\$10.00	1st device, all subsequent in same loc \$0.50 ea.	Fire department invoices for charges
Permit Fees— Devices—First audio communications device	\$10.00	1st device, all subsequent in same loc \$0.50 ea.	Fire department invoices for charges

Permit Fees—Re-inspection - Normal Working Hours	\$30.00	Per inspection	Fire department invoices for charges
Permit Fees—Re-inspection - Nonworking Hours	\$75.00	Per inspection	Fire department invoices for charges
Cancellation fees for all issued permits	35% or \$10.00	Per cancellation, whichever is greater	Fire department invoices for charges
Prohibited Parking Fee—Civil Infraction	\$25.00	Per violation, if paid within 10 days	Fire department invoices for charges
Prohibited Parking Fee—Civil Infraction	\$50.00	Per violation, if paid after 10 days	Fire department invoices for charges

Sec. 1-25. Police department.

<i>Department</i>	<i>Fee</i>	<i>Frequency</i>	<i>Comments</i>
Salvage Vehicle Inspections	\$100.00		
Gun Permit Notary Fees—Resident	—	Free of charge	
Gun Permit Notary Fees—Non-Resident	\$10.00	Per permit	
Copies for Police Reports	\$5.00	Per report	
Fingerprinting	\$10.00	Per card	
Local Records Checks	\$5.00	Per record	i.e., adoption/employment/visa
Solicitor Permits—Daily	\$ 10.00	Per day	
Solicitor Permits—Annual	\$ 50.00	Annual	
Preliminary Breath Tests (PBT)—Resident	\$ 5.00	Per test	
Preliminary Breath Tests (PBT)—Non-Resident	\$ 10.00	Per test	
Video Tapes/CDs/DVD's plus labor	\$ 0.50	Per DVD	with \$4.76 per 15 min. increment/labor
Audio CD Plus Labor	\$0.50	Per DVD	with \$4.76 per 15 min. increment/labor
<i>Civil infraction penalties as listed in Section 1-45 (b) – Sanctions for Violations</i>			

Class A Municipal Civil Infraction	\$1,000.00	Per offense	
Class B Municipal Civil Infraction	\$500.00	Per offense	
Class C Municipal Civil Infraction	\$250.00	Per offense	
Class D Municipal Civil Infraction	\$125.00	Per offense	
Class E Municipal Civil Infraction	\$75.00	Per offense	

Sec. 1-26. Utility department.

Charges for sewer taps and pumps are calculated and charged on a case-by-case basis as outlined in Article III. - Wastewater Treatment and Administration

Sewer Application Fee—Residential	\$200.00 per application
Sewer Application Fee—Commercial	\$1,000.00 per application
Operations and Maintenance (O&M)	\$163.30 per REU/per quarter
REU Review Application	\$200.00 per application

To determine the sewer and/or water Residential Equivalent Units (REUs) please see Appendix 1 under the Code of General Ordinances, Chapter 14 – Environment; Article III. – Wastewater Treatment and Administration Sec.14-53. – Table Unit of Factors. Sewer connection tap fees, usage rates (O&M), and water connection fees (where applicable) are adopted annually by Township Board resolution.

Sec. 1-27. Township Clerk.

Notary Services	Free of charge	
Voter Information on Electronic Media	Free of charge	
Copy of Available Meeting Minutes Via Email	Free of charge	Available on our website
Paper Copies	\$0.25 per page	See Township Treasurer

Sec. 1-28. Freedom of Information Act (FOIA).

Fees for FOIA requests are calculated and charged on a case-by-case basis as outlined in the Freedom of Information Act (FOIA) Procedures and Guidelines

Fee Deposit (for requests totaling over \$50.00)	½ the calculated fee per request	
Paper Copies—Black and White	\$0.02 per page	Cannot exceed \$0.10 per FOIA
Paper Copies—Color	\$0.07 per page	Cannot exceed \$0.10 per FOIA

Sec. 1-29. Township treasurer.

Township Board reserves the right to waive late fees for charges incurred Feb 15th- Feb 28/29th by Board resolution.

Credit/Debit Card Online Payment Fees—at Township Hall or Online	2.80%	Point-n-pay
E-checks	\$1.50 point-n-pay	Point-n-pay
Return Check Fees/NSF	\$12.00	—
Complete List of Tax Records	—	—
Copies:	—	—
Photocopies	\$0.25	Per page
Taxes Printscreen Per Page	—	—
Duplicate Tax Bill	—	—
Printing Fee for Duplicate Tax Bill at Counter	—	—
Copy of Maps—Township, Precinct	\$7.50	Large
Copy of Maps—Township, Precinct	\$5.00	Small
<i>Animal licenses (pricing is set by County, may be updated at any time)</i>		
Non-Spayed or Neutered	\$60.00	Three year per county
Puppies/Dogs	\$10.00	One year per county
With 3-year rabies vaccine with spayed or neutered	\$25.00	Three years per county consistent with rabies vaccine expiration
<i>Administrative Fees</i>		
Late fee Taxes—Winter	1%—Added Feb. 15—28 (may be waived at discretion of Township Board)	Delinquent taxes go to Livingston County March 1
Late fee Taxes—Summer	1%—Added each month after Sept 15 through Feb 28/29	Delinquent taxes go to Livingston County March 1
Delinquent Personal Property Fees	3%—Then 1% starting March 1	—

Sec. 1-30. Accounting department.

Copies of Adopted/Proposed Budgets	\$20.00
Copy of Township Audit Financial Statements	\$20.00

Sec. 1-31. Assessing department.

Fees for FOIA requests are calculated and charged on a case-by-case basis as outlined in the Freedom of Information Act (FOIA) Procedures and Guideline.

Sec. 1-32. Planning and zoning department.

See fee schedule—approved by Township Board January 4, 2011—article III of this appendix.

Sec. 1-33. Cemetery and mausoleum.

See fee schedule – approved by Township Board article IV of this appendix.

Sec. 1-34. All other departments.

All other fees that are not listed here, or by reference in the appendix, shall be calculated for actual cost incurred by the Township.

ARTICLE IV. LAND USE

DIVISION 1. GENERALLY

Secs. 1-99—1-124. Reserved.

DIVISION 2. PERMIT FEES

Sec. 1-125. Land use permits—Residential.

New Home	\$100.00
Additions-Addition of Square Footage (i.e., garage, family/bedroom, second story, sunroom, pole barn)	\$70.00
Remodeling/Repairs-No Addition of Square Footage (i.e., moving interior walls, renovations, finishing basement, or second story)	\$40.00
Repairs-Re-Roofing, Windows, Siding, Electrical, Plumbing, Heating/Air Conditioning	\$15.00
Peripherals-Amenities (i.e., decks, pools, porches, gazebos, boathouses, sheds, fences, etc.)	\$40.00
Electrical, Plumbing, and Heating/Air Conditioning Work—No Structural Changes	\$15.00
Satellite Dishes, TV/Radio Antennas—Residential Only—No Structural Changes	\$15.00

Reinspection Fee	\$25.00
Addressing	\$25.00/address
Temporary Trailers	\$100.00 for 6 months plus \$2,000.00 cash bond
Demolitions	\$45.00
Change in Use	\$40.00
Signs	\$40.00
Home Occupation	\$35.00
Seasonal Sales	\$40.00
Minor Agricultural Commercial/Tourism Business	\$150.00
After the Fact Permits Additional Processing Fee	\$100.00
After the Fact Permit Additional Processing Fee— No Charge Permit	\$1.00
Review Escrow	Based on estimated cost of review

Note: Upon the issuance of an address, a reflective address sign will be provided.

Sec. 1-126. Land use permits—Multiple-family (duplexes, apartments buildings, hotels, motels, inns).

For each residential unit within a single unified structure:

New Construction	\$100.00
Additions	\$70.00
Remodeling-No Addition of Square Footage (i.e., moving interior walls, re-doing bathroom, and kitchens finishing basement or second story)	\$60.00
Repairs (i.e., re-roofing, windows, siding, electrical, plumbing, heating, air conditioning)	\$15.00
New Facades	\$60.00
Peripherals-Amenities (i.e., decks, pools, porches, gazebos, boathouses, sheds, fences, etc.)	\$60.00
Site Improvements (i.e., paving, parking, grading, curbs, sidewalks, landscaping)	\$80.00
Electrical, Plumbing and Heating/Air Conditioning Work-No Structural Changes	\$15.00
Satellite Dishes, TV/Radio Antennas-Residential Only—No Structural Changes	\$15.00
Addressing	\$25.00/address
Reinspection Fee	\$25.00
After the Fact Permit Additional Processing Fee	\$100.00
After the Fact Permit Additional Processing Fee— No Charge Permit	\$1.00
Review Escrow	Based on estimated cost of review

Note: Upon the issuance of an address, a reflective address sign will be provided.

Land use permit fees are in addition to any and all fees for site plan application reviews, variances, public hearings, and private roads/driveway variances.

Sec. 1-127. Land use permits—Commercial/industrial (in addition to site plan review fees as applicable).

New Building	\$250.00
Remodeling—No Addition of Square Footage (i.e., facades, re-roofing, interior walls, bathrooms, electrical, plumbing, heating mechanical, factory machinery, upgrades requiring building permits)	\$105.00
Additions—Additions of Square Footage (i.e., pole barn, extra wing/story)	\$105.00
New Facades	\$60.00
Peripherals (sheds, decks, porches, fences)	\$75.00
Temporary Trailers	\$100.00 for 6 months plus \$2,000.00 cash bond
Demolitions	\$60.00
Site Improvements (paving, parking, grading, curbs, sidewalks, landscaping, consumers energy rectifiers)	\$75.00
Change in Use	\$40.00
Seasonal Sales	\$40.00
Signs	\$60.00
Wireless Communication Facilities	\$250.00
Addressing	\$25.00/address
Reinspection Fee	\$25.00
After the Fact Permit Additional Processing Fee	\$100.00
Review Escrow	Based on estimated cost of review

Note: Upon the issuance of an address, a reflective address sign will be provided.

Sec. 1-128. Land use permits—Multiple commercial/industrial units (buildings with multiple offices/retail/manufacturing suites) for each unit within a single unified structure.

New Construction	\$100.00
Remodeling/Repairs—No Addition of Square Footage (i.e., moving interior walls, re-doing bathrooms, kitchens, finishing basement or second story, re-roofing, windows, siding, etc.)	\$70.00
Building Facades	\$70.00

Peripherals-Amenities (i.e., decks, pools, porches, gazebos, boathouses, sheds, fences etc.)	\$60.00
Site Improvements (paving, parking, grading, curbs, sidewalks, landscaping)	\$90.00
Electrical, Plumbing and Heating/Air Conditioning Work—No Structural Changes	\$15.00
Satellite Dishes, TV/Radio Antennas/Wireless Communication Facilities	\$100.00
Reinspection Fee	\$30.00
Addressing	\$25.00/address
After the Fact Permit Additional Processing Fee	\$100.00
After the Fact Permit Additional Processing Fee—No Charge Permit	\$1.00
Review Escrow	Based on estimated cost of review

Sec. 1-129. Temporary land use and special events.

Temporary Land Use-Special Events (section 36-75)—For-Profit Organizations	\$75.00
Temporary Land Use-Special Events (section 36-75)—Non-Profit Organizations	\$25.00
Review Escrow	Based on estimated cost of review

Sec. 1-130. ADU permit fees (in addition to all other fees).

Application fee:

Zoning Administrator Review	\$75.00
Planning Commission Review	\$300.00
Special Use Permit Review	\$750.00
Review Escrow	Based on estimated cost of review

Sec. 1-131. Nonconforming use fees (in addition to all other fees).

Application fee:

Class A Review	\$300.00
Review Escrow	Based on estimated cost of review

Sec. 1-132. Planning review fees (in addition to all other fees).

Sign Review, and Sign and Agricultural Tourism Waivers	\$300.00
Review Escrow	Based on estimated cost of review

Sec. 1-133. Special use permit fees (in addition to all other fees).

Application fee:

Special Use Permit (section 36-36)—For Both Residential, Commercial/Industrial	\$750.00
Review Escrow	\$1,500.00

Sec. 1-134. Rezoning fees (in addition to all other fees).

Application fee:

Rezoning of Property—for Both Residential, Commercial, and Industrial	\$1,000.00
Review Escrow	\$2,500.00

(Please note: Open Space Community Overlay Districts under article XII of the Hamburg Township Zoning Ordinance are not rezonings.)

Sec. 1-135. Zoning text amendments (in addition to all other fees).

Application fee:

Proposed Text Amendments to the Hamburg Township Zoning Ordinance	\$900.00
Review Escrow	\$1,500.00

Sec. 1-136. For all projects; pre-application conferences.

Optional pre-application conference—For 1½-hour conference period (to be paid prior to the conference):

Zoning Administrator	\$50.00
Township Planner	\$350.00
Township Engineer	\$350.00

Secs. 1-137—1-155. Reserved.

PART II - TOWNSHIP APPENDICES
Appendix A - HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE 2021—2022
ARTICLE IV. - LAND USE
DIVISION 3. SITE PLAN REVIEW FEES (IN ADDITION TO ALL OTHER FEES)

DIVISION 3. SITE PLAN REVIEW FEES (IN ADDITION TO ALL OTHER FEES)

Sec. 1-156. Residential planned unit development and condominiums projects.

Application fee:

New Subdivisions of All Types	\$2,000.00
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Sec. 1-157. Review escrow fees.

Preliminary Site Plan	\$2,000.00 plus \$50.00/unit
Final Site Plan	\$2,000.00 plus \$50.00/unit
Combined Preliminary/Final Site	\$4,000.00 plus \$50.00/unit

Sec. 1-158. Amendments to site plans.

Application fee:

Minor Modification—Administrative	\$150.00
Minor Modification—Planning Commission	\$700.00 plus review fees
Site Plan Amendment—Significate Changes	\$2,000.00 plus review fees

Sec. 1-159. Review escrow fees for amendments.

Minor Modification—Planning Commission	\$1,400.00
Site Plan Amendment—Significant Changes	\$2,000.00

Secs. 1-160—1-186. Reserved.

DIVISION 4. PLATS/SUBDIVISIONS

Sec. 1-187. Application fee.

Tentative/Preliminary Plat	\$1,000.00 plus \$50.00/lot
Preliminary Final Plat	\$1,000.00 plus \$50.00/lot
Final Plat	\$1,000.00 plus \$50.00/lot

Sec. 1-188. Review escrow.

Tentative/Preliminary Plat	\$2,500.00 plus \$50.00/lot
Preliminary Final Plat	\$2,500.00 plus \$50.00/lot
Final Plat	\$2,500.00 plus \$50.00/lot

Secs. 1-189—1-214. Reserved.

DIVISION 5. SITE PLAN REVIEW FOR COMMERCIAL AND INDUSTRIAL PROJECTS OF ALL TYPES

Sec. 1-215. Application fee.

New projects of all types:

Preliminary Site Plan	\$1000.00 plus \$200.00/acre over one acre
Final Site Plan	\$1,000.00 plus \$200.00/acre over one acre
Combination Preliminary/Final	\$2,000.00 plus \$400.00/acre over one acre

Sec. 1-216. Review escrow.

Preliminary Site Plan	\$2,500.00 plus \$250.00/acre over one acre
Final Site Plan	\$2,500.00 plus \$250.00/acre over one acre
Combined Preliminary/Final Site	\$5,000.00 plus \$500.00/acre over one acre

Sec. 1-217. Amendments to site plans.

Minor Modification—Administrative	\$150.00
Minor Modification—Planning Commission	\$700.00 plus review fees
Site Plan Amendment—Significant Changes	\$2,000.00 plus review fees

Sec. 1-218. Review escrow fees for amendments.

Minor Modification-Planning Commission	\$1,500.00 + \$100.00/acre over one acre
Site Plan Amendment-Significant Changes	\$3,500.00 + \$100.00/acre over one acre.

Sec. 1-219. Commercial/mixed-use planned unit development.

- (a) Application fee: \$4,500.00 plus \$100.00/acre over one acre.

(b) Review escrow fees:

Preliminary Site Plan	\$3,500.00 plus \$250.00/acre over one acre
Final Site Plan	\$3,500.00 plus \$250.00/acre over one acre
Combination Preliminary/Final	\$7,000.00 plus \$500.00/acre over one acre

Note: Acreage calculations based upon the acreage being developed or utilized for the project (parking, buildings, walks, stormwater retention etc.).

Sec. 1-220. Private road and drainage fees.

(a) Private road-regular approval request (please note that these fees are in addition to any variance/wavier request fees that may be applicable): Zoning administrative fee: \$400.00.

(b) Engineer review escrow: (includes original and one revised submittal):

1—2,000 Linear Footage	\$2,500.00
2,000—4,000 Linear Footage	\$3,500.00
4,000 + Linear Footage	Multiply above increments
Road Surface, Drainage Inspection and Certification Review Fee	\$300.00
Reinspection Fee	\$300.00
Bond to Construct Road	As set by Zoning Administrator

(c) Assistance due to non-compliance:

Township Administration	\$400.00
Engineering and Site Visit Escrow	\$3,000.00

(d) Private road variance/waiver request:

Application Fee	\$500.00
Engineer Review/Inspection Fee	\$1,000.00
If Special Meeting—Fee for Township Board	\$800.00

Secs. 1-221—1-345. Reserved.

DIVISION 6. OTHER FEES

Sec. 1-346. Site walks.

Planning commission\$750.00

Sec. 1-347. Special meetings.

Planning commission and Township Board:

Meetings that Do Not Require Consultant Review	\$800.00
Meetings that Require Consultant Review	\$800.00 plus \$700.00 consultant fee

Sec. 1-348. Sewer feasibility.

Cost Estimate Commercial	\$1,000.00
Cost Estimate Single-Family Home	\$200.00
Final Inspection and Review of Certification Documents	\$500.00 plus review fees
Creation/alteration of Water Bodies (section 36-275) (setbacks need to be met if pond is entirely within parcel)	\$50.00
Permit for Grading, Drainage, Fill, Excavation, Etc. (plus engineering review and site visit fees)	\$50.00

Sec. 1-349. Land divisions/combinations/lot splits/redescriptions.

Per Parcel/Lot Being Created	\$100.00
Boundary Adjustments (fee charged for each resulting parcel or new description) (outlots/parks/open space areas each count as 1 lot)	\$100.00
Review Escrow	Based on estimated cost of review (no charge for combination or separation of platted lots of record or other parcels of record for tax code purposes only)

Sec. 1-350. Zoning Board of Appeals fees (in addition to all other fees).

Per Case	\$500.00 plus \$50.00 per additional variance
Rehearing Meeting	\$200.00
Review Escrow	Based on estimated cost of review

Sec. 1-353. Ordinances.

Ordinances and the master plan can be viewed on our website at www.hamburg.mi.us. From the main page, go to the Lawroom (add \$5.00 if mailed).

Master Plan	\$30.00
General Ordinance	\$35.00
Zoning Ordinance	\$35.00
Large Zoning District Map	\$15.00
Small Zoning District Map	\$7.50
Copies of Full-Size Sectional Maps	\$10.00/sheet

Sec. 1-354. Copies.

Photocopies (plus postage if mailed): \$0.25/page.

Sec. 1-355. Fees.

Fees listed in this schedule are intended to cover staff time and other costs for standard processing. Application fees and review fees are required at the time of application. In the case of separate applications for preliminary and final reviews, separate application and review fees shall be collected.

Sec. 1-356. Exemptions.

All permitting fees will be waived by Hamburg Township for non-profit private and public service project.

Sec. 1-357. Review escrows.

- (a) Review escrow fees are reasonably related to the amount of costs and expenses estimated by the Township and its consultants to complete the respective review of a project by the Township's consultants. If there is not an estimate for the initial cost of the review escrow and instead the review fee states it is based on an estimate of cost of review the Zoning Administrator will contact the party that is needed for review and the cost of the review escrow fee will be based on the projected cost of the review. Review escrow fees shall be placed into a non-interest-bearing escrow account. Upon final review, the remaining review escrow fee balances shall be returned to the applicant upon receipt of final billing. If the excess fees are sent by mail to the applicant at the address specified on the escrow receipt, and is returned undelivered, it shall be held by the Township and returned to the applicant on demand; however, if such demand is not made within one year after it was returned undeliverable, the remaining escrow shall be deemed forfeited and shall be deposited in the general fund of the Township. The applicant shall be responsible for all costs incurred for review in excess of the original submitted escrow amount. If the review escrow fee amount held by the Township is determined to be less than the amount needed to review the project additional escrow fund shall be requested. Final certificates of occupancy shall not be issued until such time as all outstanding fees are paid.
- (b) Review escrows fees can be required for any work or process either covered or not covered in this Schedule based on the cost of the review to be determined by the Zoning Administrator and the party reviewing the project.

Secs. 1-358—1-387. Reserved.

ARTICLE V. HAMBURG CEMETERY AND MAUSOLEUM PRICING

PART II - TOWNSHIP APPENDICES
Appendix A - HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE 2021—2022
ARTICLE V. - HAMBURG CEMETERY AND MAUSOLEUM PRICING
DIVISION 1. GENERALLY

DIVISION 1. GENERALLY

Secs. 1-388—1-417. Reserved.

DIVISION 2. CRYPT PRICING

Sec. 1-418. South wall, side by side.

Cost: \$3,000 (single)

(Ord. of 7-1-2021)

Sec. 1-419. South wall, end to end.

Cost: \$6,000 (double)

(Ord. of 7-1-2021)

Sec. 1-420. Reserved.

Editor's note(s)—An ordinance adopted July 1, 2021 , repealed § 1-420, which pertained to south wall singles.

Sec. 1-421. North wall, side by side.

Cost: \$2,500 (single)

(Ord. of 7-1-2021)

Sec. 1-422. North wall, end to end.

Cost: \$5,000 (double)

(Ord. of 7-1-2021)

Sec. 1-423. Reserved.

Editor's note(s)—An ordinance adopted July 1, 2021 , repealed § 1-423, which pertained to north wall singles.

Secs. 1-424—1-444. Reserved.

PART II - TOWNSHIP APPENDICES
Appendix A - HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE 2021—2022
ARTICLE V. - HAMBURG CEMETERY AND MAUSOLEUM PRICING
DIVISION 3. NICHE PRICING

DIVISION 3. NICHE PRICING¹

Sec. 1-445. West wall (mural).

<i>Tier</i>	<i>Cost</i>
I	\$677.00
H	\$903.00
G	\$1,083.00
F	\$1,083.00
E	\$1,083.00
D	\$1,083.00
C	\$1,083.00
B	\$903.00
A	\$903.00

(Ord. of 7-1-2021)

Sec. 1-446. East wall.

<i>Tier</i>	<i>Cost</i>
I	\$451.00
H	\$677.00
G	\$903.00
F	\$903.00
E	\$903.00
D	\$903.00
C	\$903.00
B	\$677.00
A	\$587.00

(Ord. of 7-1-2021)

Sec. 1-447. Cemetery plots.

- (a) Resident pricing, per plot \$500.00

¹Editor's note(s)—Interment of more than one cremation at the same is charged at 1.5 times the rate.

(b) Nonresident pricing, per plot \$750.00

(Ord. of 7-1-2021)

Sec. 1-448. Opening/closing.

CASKET BURIAL

Adult - M—F before 3:30 p.m. . \$1,000.00

Adult - after 3:30 p.m. & Saturday \$1,200.00

Child/Infant - M—F before 3:30 p.m. \$500.00

Child/Infant - after 3:30 p.m. & Saturday \$700.00

BURIAL/INTERMENT OF CREMAINS

M—F before 3:30 p.m. \$300.00

After 3:30 p.m. & Saturday \$400.00

(Ord. of 7-1-2021)

Sec. 1-449. Monument foundations.

Monument foundations will be charged at a rate of \$0.31 per square inch and must be a minimum of two (2) inches on all sides of the base.

**PART II
TOWNSHIP APPENDICES**

**Appendix A HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE ~~2021~~
2022[†]**

ARTICLE I. IN GENERAL

Fees are established by a resolution passed by the Hamburg Township Board of Trustees as part of their annual budgeting process. Fees for services regulated by State or Federal entities are charged according to their policies and included herein by reference.

Secs. 1-1—1-19. Reserved.

ARTICLE II. SPECIFIC FEES

Sec. 1-20. Department of parks and recreation.

Prohibited activities: Alcoholic beverages, un-permitted fireworks, professional sporting events, pets during large events. All events/special uses must be proposed and permitted through a special approval process through the Hamburg Township Board. This process may require further permits and the submittal of specialty insurance naming Hamburg Township as Additional Insured.

<u>Department</u> <u>Fee Type</u>	<u>Fee</u> <u>Amount</u>	<u>Frequency</u>	<u>Comments</u>
<u>Negotiated Contract</u>			
Parkland Sports—Partnering Group <u>pre-approved by Board—Resident</u>	<u>\$5.00</u> <u>Seasonal</u> <u>Flat rate</u> <u>negotiated at</u> <u>time of</u> <u>application</u>	<u>Per person/per</u> <u>season</u> <u>Negotiated</u> <u>Contract will be on a per</u> <u>season basis and shall</u> <u>include maintenance</u>	<u>Spring use must be</u> <u>scheduled by 3/31</u> <u>each year. After 4/1</u> <u>calendar is open to the</u>

[†]Editor's note(s) —Printed herein is the Appendix of the Hamburg Township, Ordinance of 7-1-2021, as adopted by the Township of Hamburg on July 1, 2021. Amendments to the ordinance are indicated by parenthetical history notes following amended provisions. The absence of a history note indicates that the provision remains unchanged from the original ordinance. Obvious misspellings and punctuation errors have been corrected without notation. For stylistic purposes, headings and catchlines have been made uniform and the same system of capitalization, citation to state statutes, and expression of numbers in text as appears in the Code of Ordinances has been used. Additions made for clarity are indicated by brackets.

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Commented [DH1]: We reimburse for paint for football which is taken off fees. We pay for paint and striping in West Park, and have starting paying for gravel in East Park which used to be paid for by Baseball. Specific costs for maintenance related expenses is in a separate report.

These are the Average fees paid per season/per sport:

- Soccer - \$2,000 per season
- Baseball - \$2,000 per season
- Football - \$1,000 per season
- Flyers RC - \$325 Annually

These use rates are not contemplating complete use of All fields, All Days, All Hours, for the particular sport. This is often what is requested, but not what is needed, in my observation.

Currently the "Partner Groups" are Flyers, PHBSA & PYA – who are billed under the old system of \$5.00 per resident and \$10.00 per non-resident for the season. Effectively the fields are blocked for their use for the season for the rates we receive above, less any receipts they send us for the maintenance of the fields. I highly recommend we do away with this old system of park fee and negotiate individually with these groups what their flat rate will be and what will be expected from both them and the Township as far as the maintenance that occurs, and how it is conducted. In the case of the Flyer's, their contribution includes GL coverage.

Negotiated contracts would clarify what was expected from everyone, whether the benefit they provided was required to extend to the public in the off season.

... [1]

	<u>based on type of fields and maintenance required</u>	<u>specific to the covered area</u>	<u>public. Fall use schedule due by 7/1.</u>
Parkland Sports—Partnering Group—Non Resident	\$10.00	Per person/per season	Use must be scheduled
<i><u>Sports - Hourly Rates</u></i>			
Parkland Sports—Hourly Rate – Resident	\$35.00	2-hour block	Use must be scheduled
Parkland Sports—All others	\$25.00	2-hour block	Use must be scheduled

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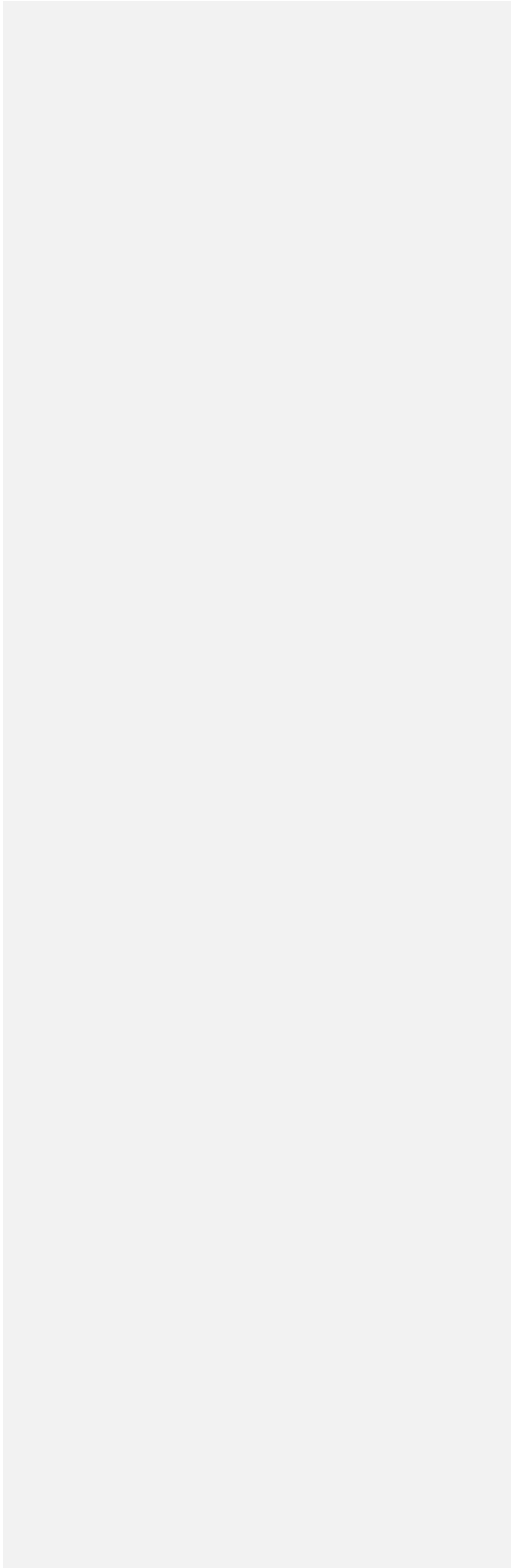
<i>Event - Daily Rates</i>			
Event Use—Park Fees – Low Hazard – Partner/Partnering Group/Resident—Low Hazard	\$250.00 <u>375.00</u>	Per day/per area	Use must be scheduled <u>Less than 1,000 people</u>
Event Use—All others—Low Hazard – Non-Partner/Resident	\$750.00	Per day/per area	See police for public safety charges <u>Less than 1,000 people</u>
Event Use—Partnering Group—Medium Hazard – Partner/Resident	\$500.00 <u>750.00</u>	Per day/per area	<u>1,000 – 2,500 people</u> See police <u>Sec. 1-21. Public Safety for required additional charges</u> for public safety charges
Event Use—All others—Medium Hazard – Non-Partner/Resident	\$1,500.00	Per day/per area	<u>1,000 – 2,500 people</u> See Sec. 1-21. Public Safety for required additional charges <u>See police for public safety charges</u>
Event Use—High Hazard – Partner/Resident/Partnering Group—High Hazard	\$1,000.00 <u>250.00</u>	Per day/per area	<u>2,501 - 5,000 people</u> See Sec. 1-21. Public Safety for required additional charges <u>See police for public safety charges</u>
Event Use—High Hazard – All others—High Hazard/Non-Partner/Resident	\$2,500.00	Per day/per area	<u>2,501 - 5,000 people</u> See Sec. 1-21. Public Safety for required additional charges <u>See police for public safety charges</u>
<u>Special Use – Event Proposal</u>	<u>TBD</u>	<u>Flat Rate negotiated by the Township Board and may be placed on the event calendar a BLACKOUT DATE, which prohibits regular users from fields in the area</u>	<u>Negotiated by the Township Board and may warrant a special contract and insurance requirements based on exposure/hazard</u>
<i>Other Fees</i>			
Merrill Field Golf Course/Pickleball/Adult Workout—Suggested Donation/Volleyball	\$2.00	Per <u>game-use</u>	<u>Suggested cash donation, welcome but not required</u>

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Restoration/Clean-up/Damage Bond—Winkelhaus Gazebo	\$100.00 <u>250.00</u>	Per use	Refunded after damage inspection
Restoration/Clean-up/Damage Bond—Manly Bennett Park	\$1,000.00	Per field/area	Refunded after damage inspection

~~See parklands and community center use fee schedule for details—App. 1.~~



Sec. 1-21. Public safety (~~Police/Fire/Park Rangers and fire during~~ events).

Department	Fee	Frequency	Comments
Public Safety—Low Hazard	—	Per application/event	Parks and recreation invoices for events held on Township grounds No Public Safety will be charged for, but their presence is up to discretion based on Park Use Request
Public Safety—Medium Hazard	\$600.00 <u>\$300.00</u>	Full day/2 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—Medium Hazard	\$300.00 <u>\$400.00</u>	Half day/2 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—High Hazard	\$1,200.00 <u>\$1,600.00</u>	Full day/4 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—High Hazard	\$600.00 <u>\$800.00</u>	Half day/4 safety personnel	Parks and recreation invoices for events held on Township grounds
Public Safety—Special Use Category	Actual salary costs <u>of staff who aren't working a regularly scheduled shift</u>		To be calculated by public safety director <u>in consultation with Parks & Recreation Director and event organizers</u>

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See public safety fee chart as referenced by parklands and community center fee schedule—App. 1.

Sec. 1-22. Senior Center (~~scheduled by Senior Center – Membership required to participate~~).

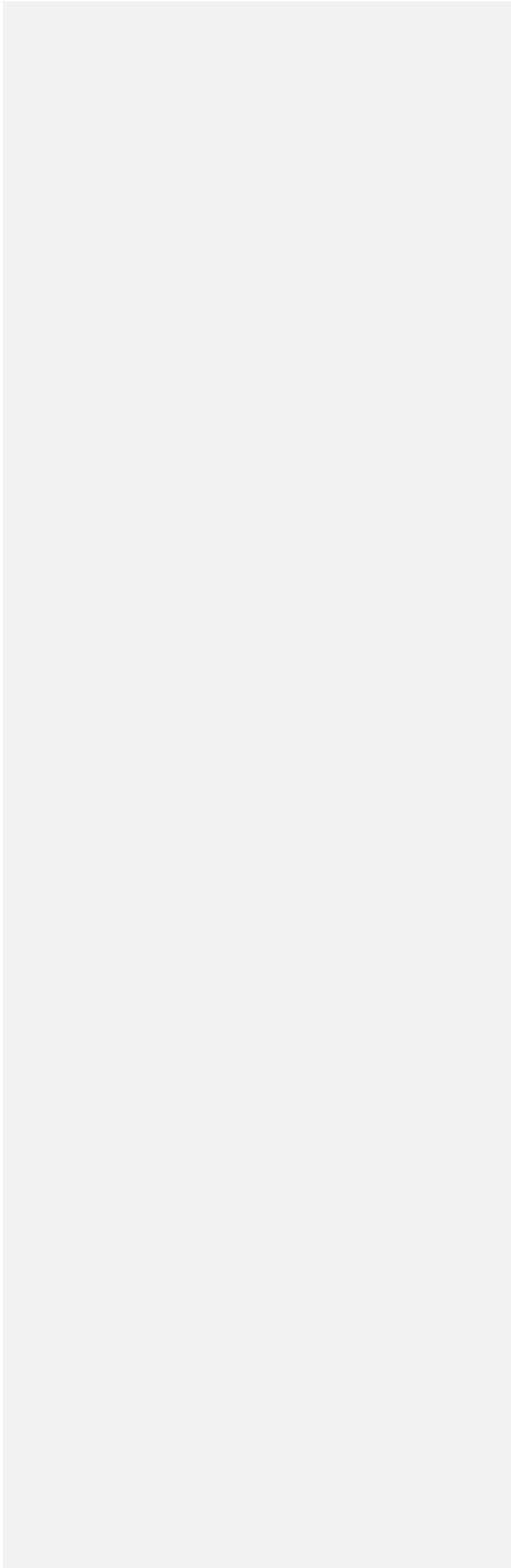
Department	Fee	Frequency
Membership fee— 50-55 and up	\$5.00	Annual
Membership newsletter (<u>mailed physical copy only</u>)	\$15.00	Annual
Other fees		
Coffee	\$0.50	Per cup
Bottled water	\$1.00	Per bottle
Euchre/pinochle games	\$1.00	Per table of 4
Bingo	\$0.10 <u>.50</u>	Per bingo card <u>Flat Rate to Play</u>
<u>Trips</u>	<u>Charges vary – Details provided at time of registration</u>	<u>Regularly scheduled, must register to participate</u>

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<u>Lunch Program</u>	<u>\$5.00</u>	<u>3 days a week, register to participate – walk-ins limited</u>
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Sec. 1-23. Community Center (scheduled by Parks and Recreation – RESIDENTS ONLY).

Department	Fee	Frequency	Comments
Monthly Monthly Room Rental—Non-profit—Annual Flat Rate Meetings – Regular date and time booked for year for Non-profit/Homeowner Associations – Flat Rate	\$120.00	Non-refundable	Use must be scheduled, <u>reschedules are allowed as available</u>
Resident/Non-Profit Hourly Room Rental—All others—3 hour block/per use Hourly Room Rental Rate	\$25.00 10.00 flat first 3 hours, \$10.00 per hour thereafter (same day)	Invoiced through Parks, fees are non-refundable	Use must be scheduled Uses are scheduled with Parks and Recreation
Business Use – Hourly Room Rental Rate	\$25.00 flat first 3 hours, \$15.00 per hour thereafter (same day)	Invoiced through Parks, fees are non-refundable	Uses are scheduled with Parks and Recreation
Event Use – Hourly Room Rental Rate	\$50.00 each hour for first 4 hours, then \$35.00 per hour thereafter (same day)	Invoiced through Parks – requires a \$250.00 refundable damage/key deposit	Use must be scheduled with Parks & Recreation, must be minimum of 4 hours
Key Replacement—Key Fob	\$100.00	When misplaced	May warrant Re-key charge
Re-key of facility	\$43 00.00	When misplaced	May warrant Re-key charge
Unsecured or Damaged Building/Contents charge	\$75.00	First incident	—
Unsecured or Damaged Building/Contents charge	\$150.00	Second incident	—
Unsecured or Damaged Building/Contents charge	—	Use is revoked	—

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See parklands and community center use fee schedule for details—App. 1.

Sec. 1-24. Fire department.

Fees for cost recovery are calculated and charged on a case-by-case basis as outlined in the International Fire Code Ordinance No. 76A and Public Safety Cost Recovery Ordinance No. 98.

Department	Fee	Frequency	Comments
Tent Permit—Event vendors	\$50.00	Per application/event	Parks and recreation invoices for events held on Township grounds

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Permit Fees— Hazardous Materials	\$100.00	0-1,000 lbs; 0-100 cu. ft; 0-330 gal.	Fire department invoices for charges
Permit Fees— Hazardous Materials	\$250.00	1,001-20,000 lbs; 101- 6,000 cu. ft; 331-990 gal.	Fire department invoices for charges
Permit Fees— Hazardous Materials	\$500.00	20,000+ lbs.; 6,001+ cu. ft; 991+ gal.	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$80.00	1-20 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$90.00	21-50 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$100.00	51-100 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$120.00	101-200 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$140.00	201-300 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$160.00	301-400 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$180.00	401-500 heads	Fire department invoices for charges
Permit Fees—Sprinkler systems	\$200.00	501-1,000 heads	Fire department invoices for charges
Permit Fees— Standpipes	\$45.00	Per standpipe	Fire department invoices for charges
Permit Fees—Fire Pump	\$50.00	Per pump	Fire department invoices for charges
Permit Fees—Dry or Wet Chemical Fire Suppression Systems	\$90.00	1st system, all subsequent in same location \$45.00	Fire department invoices for charges
Permit Fees—Dry or Wet Chemical Fire Suppression Systems— Alterations	\$35.00	—	Fire department invoices for charges
Permit Fees—Total Flooding agent extinguishing systems	\$90.00	Per system plus appropriate system fee	Fire department invoices for charges
Permit Fees— Devices—Control Panel	\$20.00	Per panel	Fire department invoices for charges
Permit Fees— Devices—First initiating control device	\$10.00	1st device, all subsequent in same loc \$0.50 ea.	Fire department invoices for charges

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Permit Fees— Devices—First audio communications device	\$10.00	1st device, all subsequent in same loc \$0.50 ea.	Fire department invoices for charges
Permit Fees—Re- inspection - Normal Working Hours	\$30.00	Per inspection	Fire department invoices for charges
Permit Fees—Re- inspection - Nonworking Hours	\$75.00	Per inspection	Fire department invoices for charges
Cancellation fees for all issued permits	35% or \$10.00	Per cancellation, whichever is greater	Fire department invoices for charges
Prohibited Parking Fee—Civil Infraction	\$25.00	Per violation, if paid within 10 days	Fire department invoices for charges
Prohibited Parking Fee—Civil Infraction	\$50.00	Per violation, if paid after 10 days	Fire department invoices for charges

Sec. 1-25. Police department.

<i>Department</i>	<i>Fee</i>	<i>Frequency</i>	<i>Comments</i>
Salvage Vehicle Inspections	\$100.00		
Gun Permit Notary Fees—Resident	—	Free of charge	
Gun Permit Notary Fees—Non-Resident	\$10.00	Per permit	
Copies for Police Reports	\$5.00	Per report	
Fingerprinting	\$10.00	Per card	
Local Records Checks	\$5.00	Per record	i.e., adoption/employment/visa
Court Ordered Preliminary Breath Tests—Resident	\$5.00	Per test	
Court Ordered Preliminary Breath Tests—Non-Resident	\$10.00	Per test	
Solicitor Permits— Daily	\$ 10.00	Per day	
Solicitor Permits— Annual	\$ 50.00	Annual	
Preliminary Breath Tests (PBT) P.B.T.— Resident	\$ 5.00	Per test	

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P.B.T. Preliminary Breath Tests (PBT) – Non-Resident	\$ 10.00	Per test	
Video Tapes/CDs/DVD's plus labor	\$ 0.50	Per DVD	with \$4.76 per 15 min. increment/labor
Audio CD Plus Labor	\$0.50	Per DVD	with \$4.76 per 15 min. increment/labor
Civil infraction penalties as listed in the Municipal Civil Infraction Ordinance No. 71A Section 1-45 (b) – Sanctions for Violations			
Class A Municipal Civil Infraction	\$1,000.00	Per offense	
Class B Municipal Civil Infraction	\$500.00	Per offense	
Class C Municipal Civil Infraction	\$250.00	Per offense	
Class D Municipal Civil Infraction	\$125.00	Per offense	
Class E Municipal Civil Infraction	\$75.00	Per offense	

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Sec. 1-26. Utility department.

Charges for sewer taps and pumps are calculated and charged on a case-by-case basis as outlined in ~~the Article III. - Wastewater Treatment and Administration Ordinance No. 69H.~~

-Sewer Application Fee—Residential	\$200.00 per application
Sewer Application Fee—Commercial	\$1,000.00 per application
Operations and Maintenance (O&M)	\$163.30 155.50 per REU/per quarter
REU Review Application	\$200.00 per application

~~R~~To determine the sewer and/or water Residential Equivalent Units (REUs) please see Appendix 1 under the Code of General Ordinances, Chapter 14 – Environment; Article III. – Wastewater Treatment and Administration ~~notes and charges for sewer districts in the system are listed in the table of unit factors, included as App 5: Sec.14-53. – Table Unit of Factors. Sewer connection tap fees, usage rates (O&M), and water connection fees (where applicable) are adopted annually by Township Board resolution.~~

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Sec. 1-27. Township Clerk.

Notary Services	Free of charge	
Voter Information on Electronic Media	Free of charge	
Copy of Available Meeting Minutes Via Email	Free of charge	<u>Available on our website</u>

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Paper Copies	\$0.25 per page	See Township Treasurer
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Sec. 1-28. Freedom of Information Act (FOIA).

Fees for FOIA requests are calculated and charged on a case-by-case basis as outlined in the Freedom of Information Act (FOIA) Procedures and Guidelines—~~App. 2.~~

Fee Deposit (for requests totaling over \$50.00)	½ the calculated fee per request	
Paper Copies—Black and White	\$0.02 per page	Cannot exceed \$0.10 per FOIA
Paper Copies—Color	\$0.07 per page	Cannot exceed \$0.10 per FOIA

Sec. 1-29. Township treasurer.

Township Board reserves the right to waive late fees for charges incurred Feb 15th- Feb 28/29th by Board resolution.

Credit/Debit Card Online Payment Fees—at Township Hall or Online	2.80%	Point-n-pay
E-checks	\$1.50 point-n-pay	Point-n-pay
Return Check Fees/NSF	\$12.00	—
Complete List of Tax Records Copies:	—	—
Photocopies	\$0.25	Per page
Taxes Printscreen Per Page	—	—
Duplicate Tax Bill	—	—
Printing Fee for Duplicate Tax Bill at Counter	—	—
Copy of Maps—Township, Precinct	\$7.00 50	Large
Copy of Maps—Township, Precinct	\$5.00	Small
<i>Animal licenses (per county pricing is set by County, may be updated at any time)</i>		
	\$25.00	One year per county
<u>Non-Spayed or Neutered</u>	\$60.00	Three years per county
<u>Puppies/Dogs</u>	\$10.00	One year per county/ spayed or neutered
<u>With 3-year rabies vaccine with spayed or neutered</u>	\$25.00	Three years per county <u>consistent with rabies vaccine expiration/spayed or neutered</u>
<i>Administrative Fees</i>		

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Late fee Taxes—Winter	1%—Added Feb. 15—28 (may be waived at discretion of Township Board)	Delinquent taxes go to Livingston County March 1
Late fee Taxes—Summer	1%—Added each month after Sept 15 through Feb 28/29	Delinquent taxes go to Livingston County March 1
Delinquent Personal Property Fees	3%—Then 1% starting March 1	—

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Sec. 1-30. Accounting department.

Copies of Adopted/Proposed Budgets	\$20.00
Copy of Township Audit Financial Statements	\$20.00

Sec. 1-31. Assessing department.

Fees for FOIA requests are calculated and charged on a case-by-case basis as outlined in the Freedom of Information Act (FOIA) Procedures and Guidelines (~~article II of this chapter~~).

Sec. 1-32. Planning and zoning department.

See fee schedule—approved by Township Board January 4, 2011—article III of this appendix.

Sec. 1-33. Cemetery and mausoleum.

See fee schedule ~~included in Ordinance No. 32D—approved by Township Board March 20, 2018—~~ approved by Township Board article IV of this appendix.

Sec. 1-34. All other departments.

All other fees that are not listed here, or by reference in the appendix, shall be calculated for actual cost incurred by the Township.

~~**Sec. 1-35. Appendix C parklands community center and safety fee schedule.**~~

Commented [DH2]: This is all duplicate information

~~(a) Parklands.~~

~~(1) Recognized sports groups; regular seasonal use.~~

~~a. Per participant fee, charged per season:~~

~~1. \$5.00 resident.~~

~~2. \$10.00 nonresident.~~

~~b. Regular seasonal uses include user group sponsored games, practices and tryouts. All other uses fall shall be considered special use.~~

- ~~c. In-kind donations which are considered capital improvements, and are and approved prior to expenditure, may be used to offset fees for use by recognized user groups. Receipts must be submitted and approved each season. Credits cannot exceed fees due.~~
- ~~d. The Township Board may supersede this fee schedule by stipulating alternate fees or waiving them in their entirety.~~

~~(2) Non-recognized user group/for-profit business; regular seasonal use.~~

- ~~a. Flat rate per field: \$25.00 per two-hour use. (Use must not conflict with regular seasonal use or blackout dates).~~
- ~~b. Field use will be handled on a first-come-first-serve basis. The recognized users will be granted an early bird scheduling window, of no less than six weeks before the season start. All other users will be granted access to calendar two weeks prior to season start.~~

~~(3) Special use (requires public safety fees). For all special events or uses, fees may be set at the daily field rates as outlined below, or a fee as otherwise determined by the Township Board. Waivers of fees, including those for public safety, may be made by the Township Board. Contributions of in-kind services, maintenance and repairs may be considered by the board and can be used to offset regular seasonal use fees for recognized user groups. Charge for sports field per day/per area, half days will be charged 50 percent of rates shown. (See parklands and community center use fee schedule document section 1-35 for details.)~~

Low Hazard	
— Recognized User Group	\$250.00
— Non-Partnering User Group	\$750.00
Medium Hazard	
— Recognized User Group	\$500.00
— Non-Partnering User Group	\$1,500.00
Large Hazard	
— Recognized User Group	\$1,000.00
— Non-Partnering User Group	\$2,500.00

- ~~a. Township Board will determine the hazard category/rates after consultation with the event organizers. All events must go through a public safety review, and charges over and above the fees may be required once risk is evaluated as outlined in the public safety fee chart (attached).~~
- ~~b. Tournaments require proof of event liability and medical payments for all participants and must name Hamburg Township as additional insured.~~
- ~~c. A \$500.00 nonrefundable hold the date deposit is required for all special use applications, in addition to applicable restoration, clean up and damage bond amounts (see below). The hold the date deposit is due upon approval of the park use application for the event and shall be applied towards the applicant's total calculated fee for park use. This deposit will be applied towards the applicant's invoice or retained in the case of a cancellation of the event. Additional charges may be imposed for services provided such as trash removal, portable toilets, etc.~~
- ~~d. The Township Board reserves the right to waive or reduce deposit or reimburse any unused portion of the deposit to the applicant. In-kind donations which are considered capital improvements, and are and approved prior to expenditure, may be used to offset fees for use by recognized user groups. Receipts must be submitted and approved each season. Credits cannot exceed fees due.~~

~~(4) — Merrill Field disc golf course.~~

- ~~a. — Informal/individual use: A fee of \$2.00 per person, per game, is required and shall be remitted in the cash receptacle provided at the entrance of the course.~~
- ~~b. — Group/league/organization use: Groups will apply for regular league play on an annual park use application, with a list of dates that the games will be occurring. Group will collect and remit \$2.00 per person, per game to the Township. Waivers of fees may be made by the Township Board. Contributions of in-kind services, maintenance and repairs may be considered by the board.~~

~~(5) — Restoration, clean-up and damage bonds.~~

- ~~a. — For use of the Gazebo at Winkelhaus Park: \$100.00 per use.~~
- ~~b. — For use of any playing field, for use other than what it is intended for: \$1,000.00 per field.~~
- ~~c. — Based on the type of event proposed by the applicant, the Township Board may require the applicant to pay a bond in an amount other than what is described here. The Township Board reserves the right to waive bonds at their discretion.~~
- ~~d. — All restoration, clean-up and damage bonds must be in the form of cash or certified check shall be returned only after it is determined that the applicant has fully performed the restoration and clean-up of the premises to the pre-event or better condition as outlined in the Parks and Recreation Administrative Policies and Procedures Manual.~~
- ~~e. — Applicant will be advised in writing should the bond be retained in part or in its entirety or if the damages exceed the bond and there is a balance due.~~

~~(6) — Community center (use allowed after 4:00 p.m. weekdays, and on weekends). Individual or member of applying organization must be a Hamburg Township resident. All uses require an application and must comply with the rules and regulations. Key assignments are made by the Parks and Recreation Department. Damage/cleaning fees will be charged to user groups who don't leave building as they found it.~~

- ~~a. — Non-profit annual rates (proof of non-profit status required):~~
 - ~~1. — Three hour blocks/up to two times per month.~~
 - ~~2. — Non-refundable flat rate, paid in advance: \$120.00.~~
- ~~b. — Non-profit additional days of use:~~
 - ~~1. — Three hour block/per use.~~
 - ~~2. — Non-refundable daily charge, paid in advance: \$10.00 each use.~~
- ~~c. — For profit rates:~~
 - ~~1. — Three hour block/per use.~~
 - ~~2. — Non-refundable daily charge, paid in advance: \$25.00.~~

~~Additional hours for same day use shall be charged at \$10.00 per hour.~~
- ~~d. — Unsecured or damaged building charges:~~
 - ~~1. — First incident: Up to \$75.00.~~
 - ~~2. — Second incident: Up to \$150.00.~~
 - ~~3. — Third incident: Use of facility will be revoked.~~

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e. ~~Key replacement charges:~~

1. ~~\$100.00 for key fob.~~

2. ~~\$300.00 for re-key of facility.~~

(7) ~~Public safety fee chart as referenced. Appendix C parklands, community center and public safety fee schedule.~~

<i>Event Category</i>	<i>Event Size/Hazard Description</i>	<i>Public Safety Fee</i>	<i>Personnel Provided</i>
Low Hazard	Less than 1,000, Prohibited activities: alcoholic beverages, fireworks, professional sporting events, pets	No public safety fee required (unless use is determined to have need of personnel based on type of event).	
Medium Hazard	1001—2500, prohibited activities: alcoholic beverages, fireworks, professional sporting events, pets	Full day: \$600.00 per day; half day: \$300.00 per day	2 public safety personnel
High Hazard	2501—5000, prohibited activities: alcoholic beverages, fireworks, professional sporting events, pets	Full day: \$1,200.00 per day; half day: \$600.00 per day	4 public safety personnel
Special Use	Over 5,000, must be proposed and permitted through special approval process through Township Board, may require further permits and specialty insurance	Actual salary costs for all public safety personnel (police and fire) not working a regularly scheduled shift	Public safety administration (in consultation with the event organizers and Parks and Recreation Director) determine the public safety needs for the event

a. ~~All new event applications/uses require review by public safety personnel.~~

b. ~~Half day is six hours or less, full day is more than six hours.~~

c. ~~The Township Board may waive or reduce required public safety fees by special request of the event organizers.~~

d. ~~All event applications, no matter the size, must start with a park use application submittal with the Parks and Recreation Department.~~

~~Secs. 1-36—1-58. Reserved.~~

PART II - TOWNSHIP APPENDICES
Appendix A - HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE 2021—2022
ARTICLE III. HAMBURG TOWNSHIP FREEDOM OF INFORMATION ACT (FOIA) PROCEDURES AND GUIDELINES

**ARTICLE III. HAMBURG TOWNSHIP FREEDOM OF INFORMATION ACT (FOIA)
PROCEDURES AND GUIDELINES**

Sec. 1-59. Preamble; statement of principles.

- (a) ~~It is the policy of Hamburg Township that all persons, except those incarcerated, consistent with the Michigan Freedom of Information Act (FOIA), are entitled to full and complete information regarding the affairs of government and the official acts of those who represent them as public officials and employees. The people shall be informed so that they fully participate in the democratic process.~~
- (b) ~~The Township's policy with respect to FOIA requests is to comply with state law in all respects and to respond to FOIA requests in a consistent, fair, and even handed manner regardless of who makes such a request.~~
- (c) ~~The Township acknowledges that it has a legal obligation to disclose all nonexempt public records in its possession pursuant to a FOIA request. The Township acknowledges that sometimes it is necessary to invoke the exemptions identified under FOIA in order to ensure the effective operation of government and to protect the privacy of individuals.~~
- (d) ~~Hamburg Township will protect the public's interest in disclosure, while balancing the requirement to withhold or redact portions of certain records. It is the policy of Hamburg Township to process all requests for public records in full compliance with Public Act No. 442 of 1976, as amended, (MCL 15.231 et seq.), also known as the Michigan Freedom of Information Act.~~
- (e) ~~The Township Board has established the following written procedures and guidelines to implement the FOIA and has created a written public summary of the specific procedures and guidelines relevant to the general public regarding how to submit written requests to the public body and explaining how to understand a public body's written responses, deposit requirements, fee calculations, and avenues for challenge and appeal.~~

Sec. 1-60. General policies.

- (a) ~~The Township Board, acting pursuant to the authority at MCL 15.236, designates a FOIA Coordinator for public safety (police and fire records) and a FOIA Coordinator for all other general Township records. An FOIA Coordinator is authorized to designate other Township staff to act on their behalf to accept and process written requests for the Township's public records and approve denials. The FOIA Coordinator for public safety is the public safety administrative supervisor. The FOIA Coordinator for all other general Township records is the deputy Clerk.~~
- (b) ~~The Township must respond to a FOIA request within five business days after the business day the Township received the request. A mailed or hand-delivered FOIA request is considered to be received on the day it is delivered to the Township. If a request for a public record is submitted by facsimile or email, the request is deemed to have been received on the first business day after the transmittal day. If a request is sent by email and delivered to a Township spam or junk mail folder, the request is not deemed received until one day after the FOIA Coordinator first becomes aware of the request. The FOIA Coordinator shall note in the FOIA log both the date the request was delivered to the spam or junk mail folder and the date the FOIA Coordinator became aware of the request.~~

Commented [DH3]: I would like to propose we reference the Federal Law which mandates this, and area of Administrative Policies and Procedures where we talk about how we handle FOIA's. I think we need to keep it short and sweet here. Also, need clerk to double-check the fees we do have listed to see if that is what we are still doing, they are older numbers.

- ~~(e) The FOIA Coordinator shall designate each Township employee who has a Township email address to review their spam and junk mail folders on a regular basis, which shall be no less than once a month. Employees shall immediately notify the FOIA Coordinator of the date they discovered a FOIA request in their spam and junk mail folders and forward the email to the FOIA Coordinator in order that the date received and the date discovered can be recorded in the Township's FOIA logs.~~
- ~~(d) A FOIA Coordinator may, in their discretion, implement administrative rules, consistent with state law and these procedures and guidelines to administer the acceptance and processing of FOIA requests.~~
- ~~(e) The Township is not obligated to create a new public record or make a compilation or summary of information which does not already exist. Neither a FOIA Coordinator nor other Township staff are obligated to provide answers to questions contained in requests for public records or regarding the content of the records themselves.~~
- ~~(f) A FOIA Coordinator shall keep a copy of all written requests for public records received by the Township on file for a period of at least one year. These requests may be scanned and maintained in a digital file.~~
- ~~(g) The Township will make this procedures and guidelines document and the written public summary publicly available without charge. If it does not, the Township cannot require deposits or charge fees otherwise permitted under the FOIA until it is in compliance.~~
- ~~(h) A copy of this procedures and guidelines document and the Township's written public summary must be publicly available by providing free copies both in the Township's response to a written request and upon request by visitors at the Township's offices.~~
- ~~(i) This procedures and guidelines document and the Township's written public summary will be maintained on the Township's website at: www.hamburg.mi.us. A website link to these documents may be provided in lieu of providing paper copies of these documents in a written response to a written request.~~

~~Sec. 1 61. Requesting a public record.~~

- ~~(a) All requests for copies of public documents or to review public documents must be in writing with the exception of the following:~~
- ~~(1) Copies of assessment/tax records by the property owner of his or her property.~~
 - ~~(2) Copies of assessment/tax records that are reasonable and readily available at the time of the request.~~
 - ~~(3) Copies of all current meeting agendas.~~
 - ~~(4) Copies of all current minutes.~~
 - ~~(5) Media requests for public safety (police and fire) records that would be available pursuant to a written FOIA request. Records released to the media shall have all information redacted as required by the Michigan Freedom of Information Act.~~
 - ~~(6) Public safety records, with appropriate redactions, if the Director of Public Safety deems the release to be in the interest of the public or serves a legitimate public safety purpose.~~
- ~~(b) No specific form to submit a request for a public record is required. However, the Township has made available a FOIA request form for the public's convenience of use.~~
- ~~(c) Requests to inspect or obtain copies of public records prepared, owned, used, possessed or retained by the Township may be submitted on the Township's FOIA request form, or in any other form of writing (letter, facsimile, email, etc.). For a request to be considered a sufficient writing to satisfy the FOIA, it must contain the following:~~
- ~~(1) The complete name of the requester.~~

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- (2) ~~The mailing address of the requester.~~
- (3) ~~The contact information of the requester (a valid phone number or electronic mail address).~~
- (4) ~~Corporate entities who request records under the FOIA must provide [the items in] subsections (c)(1) through (3) of this section for the company's agent.~~
- (5) ~~A request must sufficiently describe a public record so as to enable Township personnel to identify and find the requested public record.~~
- (d) ~~If a person makes a verbal, non-written request for information believed to be available on the Township's website, where practicable and to the best ability of the employee receiving the request, the requester shall be informed of the pertinent website address.~~
- (e) ~~If a citizen making a verbal request is disabled, either temporarily or permanently, so that he or she is unable to make the request in writing, special accommodations must be made. It is the duty of the department receiving the request to write out the request for the citizen on the Township's FOIA request form as an accommodation under the American Disability Act (ADA). Once written, the request should be processed as a formal request under FOIA.~~
- (1) ~~Written requests for general Township public records (other than police or fire reports) should be submitted in person or by mail to the general Township FOIA Coordinator at the Clerk's office. Requests may be submitted electronically by facsimile or email. Written requests can be made in person at the Clerk's Department at the Hamburg Township Office, 10405 Merrill Road; by mail to: Hamburg Township, Attn: General Township FOIA Coordinator, P.O. Box 157, Hamburg, MI 48139; by facsimile at (810) 231-4295; or by email to clerk@hamburg.mi.us.~~
- (2) ~~Written requests for police or fire records should be submitted in person or by mail to the public safety FOIA Coordinator. Requests may be submitted electronically by facsimile or email. Written requests can be made in person at the Hamburg Township Police Department, 10409 Merrill Road; by mail to Hamburg Township Police Department, Attn: Public Safety FOIA Coordinator, P.O. Box 157, Hamburg, MI 48139; by facsimile at (810) 231-9401; or by email to HATP@hamburg.mi.us.~~
- (f) ~~A person may request that public records be provided on non-paper physical media, emailed or other otherwise provided in digital form in lieu of paper copies. The Township will comply with the request only if it possesses the necessary technological capability to provide records in the requested non-paper physical media format.~~
- (g) ~~A person may subscribe to future issues of public records that are created, issued or disseminated by Hamburg Township on a regular basis. A subscription is valid for up to six months and may be renewed by the subscriber.~~
- (h) ~~A person serving a sentence of imprisonment in a local, state or federal correctional facility is not entitled to submit a request for a public record. The FOIA Coordinator will deny all such requests.~~
- (i) ~~If a request for records is received by departmental staff, the request shall be promptly forwarded to a FOIA Coordinator for processing.~~

Sec. 1-62. Processing a request.

- (a) ~~Unless otherwise agreed to in writing by the person making the request, the Township will issue a response within five business days of receipt of a FOIA request.~~
- (1) ~~The Township will respond to a request in one of the following ways:~~
- a. ~~Grant the request.~~
 - b. ~~Issue a written notice denying the request.~~

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- ~~c. Grant the request in part and issue a written notice denying in part the request.~~
- ~~d. Issue a notice indicating that due to the nature of the request the Township needs an additional ten business days to respond for a total of no more than 15 business days. Only one such extension is permitted.~~
- ~~e. Issue a written notice indicating that the public record requested is available at no charge on the Township's website.~~

~~(2) When a request is granted:~~

- ~~a. If the request is granted, or granted in part, the FOIA Coordinator will require that payment be made in full for the allowable fees associated with responding to the request before the public record is made available.~~
- ~~b. The FOIA Coordinator shall provide a detailed itemization of the allowable costs incurred to process the request to the person making the request.~~
- ~~c. A copy of these procedures and guidelines and the written public summary will be provided to the requester free of charge if requested. These procedures and guidelines, as well as the written public summary, are maintained on the Township's website (www.hamburg.mi.us), and the website link to these documents will be provided in lieu of providing paper copies of these documents with all written responses to FOIA requests.~~
- ~~d. If the cost of processing a FOIA request is \$50.00 or less, the requester will be notified of the amount due prior to the release of the documents.~~
- ~~e. If the cost of processing a FOIA request is expected to exceed \$50.00 based on a good faith calculation, or if the requester has not paid in full for a previously granted request, the Township will require a good faith deposit pursuant to section 4 of the FOIA before processing the request.~~
- ~~f. In making the request for a good faith deposit, the FOIA Coordinator shall provide the requester with a detailed itemization of the allowable costs estimated to be incurred by the Township to process the request and also provide a best efforts estimate of a time frame it will take the Township to provide the records to the requester. The best efforts estimate shall be nonbinding on the Township but will be made in good faith and will strive to be reasonably accurate, given the nature of the request in the particular instance, so as to provide the requested records in a manner based on the public policy expressed by section 1 of the FOIA. Section 4 of this article has details about fee deposits.~~

~~(3) When a request is denied or denied in part:~~

- ~~a. If the request is denied or denied in part, the FOIA Coordinator will issue a notice of denial which shall provide in the applicable circumstance:

 - ~~1. An explanation as to why a requested public record is exempt from disclosure;~~
 - ~~2. A written statement that the requested record does not exist under the name or description provided by the requester, or another name reasonably known by the Township;~~
 - ~~3. An explanation or description of the public record or information within a public record that is separated or deleted from the public record;~~
 - ~~4. An explanation of the person's right to submit an appeal of the denial to either the Township Board or Director of Public Safety, or seek judicial review in the Livingston County Circuit Court; and~~~~

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~~5.—An explanation of the right to receive attorneys' fees, costs, and disbursements as well as possibly actual or compensatory damages, and punitive damages of \$1,000.00, should they prevail in circuit court.~~

~~The notice of denial shall be signed by the FOIA Coordinator.~~

~~b.—If a request does not sufficiently describe a public record, the FOIA Coordinator may, in lieu of issuing a notice of denial indicating that the request is deficient, seek clarification or amendment of the request by the person making the request. Any clarification or amendment will be considered a new request subject to the timelines described in this section.~~

~~(4)—Requests for certified copies. The FOIA Coordinator shall, upon written request, furnish a certified copy of a public record at no additional cost to the person requesting the public record.~~

~~(5)—Requests to inspect public records. The Township shall provide reasonable facilities and opportunities for persons to examine and inspect public records during normal business hours. The FOIA Coordinator is authorized to promulgate rules regulating the manner in which records may be viewed so as to protect Township records from loss, alteration, mutilation or destruction and to prevent excessive interference with normal Township operations.~~

~~(6)—Public inspection of records.~~

~~a.—A person shall be allowed to inspect public records during usual business hours, not more than four hours per day. The public does not have unlimited access to Township offices or facilities, and a person may be required to inspect records at a specified counter or table, and in view of Township Personnel.~~

~~b.—Township Officials, Appointees, Staff or Consultants/Contractors assisting with inspection of public records shall inform any person inspecting records that only pencils, and no pens or ink, may be used to take notes.~~

~~c.—In coordination with the official responsible for the records, the FOIA Coordinator shall determine on a case-by-case basis when the Township will provide copies of original records, to allow for blacking out exempt information, to protect old or delicate original records, or because the original record is a digital file or database not available for public inspection. A fee will be charged for copies made to enable public inspection of records, according to the Township's FOIA policy.~~

~~d.—The FOIA Coordinator is responsible for identifying if records or information requested by the public is stored in digital files or e-mail, even if the public does not specifically request a digital file or email.~~

~~e.—A person cannot remove books, records or files from the place the Township has provided for the inspection.~~

~~No documents shall be removed from the office of the custodian of those documents without permission of that custodian, except by court order, subpoena or for audit purposes. The official shall be given a receipt listing the records being removed. Documents may be removed from the office of the custodian of those documents with permission of that custodian to accommodate public inspection of those documents.~~

~~Sec. 1-63. Fee deposits.~~

~~(a)—If the fee estimate is expected to exceed \$50.00 based on a good faith calculation, the requester will be asked to provide a deposit not exceeding one-half of the total estimated fee.~~

~~(b)—The deposit request must be in writing and specify the date by which the deposit must be received. If the deposit is not received by the Township within 48 days of the notice being sent, and the requester has not~~

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~~filed an appeal of the deposit amount, the request shall be considered abandoned by the requester and the Township is no longer required to fulfill the request.~~

- ~~(c) If a request for public records is from a person who has not fully paid the Township for copies of public records made in fulfillment of a previously granted written request, the FOIA Coordinator will require a deposit of 100 percent of the estimated processing fee before beginning to search for a public record for any subsequent written request by that person when all of the following conditions exist:~~
- ~~(1) The final fee for the prior written request is not more than 105 percent of the estimated fee;~~
 - ~~(2) The public records made available contained the information sought in the prior written request and remain in the Township's possession;~~
 - ~~(3) The public records were made available to the individual, subject to payment, within the time frame estimated by the Township to provide the records;~~
 - ~~(4) 90 days have passed since the FOIA Coordinator notified the individual in writing that the public records were available for pickup or mailing;~~
 - ~~(6) The individual is unable to show proof of prior payment to the Township; and~~
 - ~~(7) The FOIA Coordinator has calculated a detailed itemization that is the basis for the current written request's increased estimated fee deposit.~~
- ~~(d) The FOIA Coordinator will not require an increased estimated fee deposit if any of the following apply:~~
- ~~(1) The person making the request is able to show proof of prior payment in full to the Township;~~
 - ~~(2) The Township is subsequently paid in full for the applicable prior written request; or~~
 - ~~(3) 365 days have passed since the person made the request for which full payment was not remitted to the Township.~~

Sec. 1-64. Calculation of fees.

- ~~(a) A fee may be charged for the labor cost of duplication or publication.~~
- ~~(b) A fee will not be charged for the labor cost of search, examination, review and the deletion and separation of exempt from nonexempt information unless failure to charge a fee would result in unreasonably high costs to the Township because of the nature of the request in the particular instance, and the Township specifically identifies the nature of the unreasonably high costs.~~
- ~~(c) Costs for the search, examination, review, and deletion and separation of exempt from non-exempt information are "unreasonably high" when they are excessive and beyond the normal or usual amount for those services (Attorney General Opinion 7083 of 2001) compared to the costs of the Township's usual FOIA requests, not compared to the Township's operating budget (Bloch v. Davison Community Schools, Michigan Court of Appeals, Unpublished, April 26, 2011).~~
- ~~(1) The following factors shall be used to determine an unreasonably high cost to the Township:

 - ~~a. Volume of the public record requested.~~
 - ~~b. Amount of time spent to search for, examine, review and separate exempt from non-exempt information in the record requested.~~
 - ~~c. Whether the public records are from more than one Township department or whether various Township offices are necessary to respond to the request.~~
 - ~~d. The available staffing to respond to the request.~~~~

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~~e. Any other similar factors identified by the FOIA Coordinator in responding to the particular request.~~

~~(2) Examples of determining unreasonably high cost: Because of the nature of the request in the particular instance, such as, by way of example, cases requiring advice from legal counsel, additional staffing or other direct expenses not in the ordinary course of business. If a FOIA request is made for an easily identified document consisting of a few standard size pages, labor for the search, examination, and making deletions under the FOIA would generally not present a case of unreasonably high costs. If a request for "any and all" documents as to a particular subject, requires a search of many boxes of records, including review for exempt material which must be or may be deleted (per section 13 of FOIA), and if that search, examination, and review involves an hour or more of labor, charges may be imposed to avoid unreasonably high cost arising from the nature of the request.~~

~~(d) The Township will charge for the following costs associated with processing a FOIA request:~~

- ~~(1) The cost of labor associated with duplication or publication, which includes making paper copies, making digital copies, or transferring digital public records to non-paper physical media or through the Internet or other electronic means.~~
- ~~(2) The cost of duplication or publication, not including labor, of paper copies of public records. This may include the cost for copies of records already on the Township's website if you ask for the Township to make copies.~~
- ~~(3) The cost of computer discs, computer tapes, thumb drives, or other digital or similar media when the requester asks for records in non-paper physical media. This may include the cost for copies of records already on the Township's website if you ask for the Township to make copies.~~
- ~~(4) The cost to mail or send a public record to a requester.~~

~~(e) Labor costs will be calculated based on the following requirements:~~

- ~~(1) All labor costs will be estimated and charged in 15-minute increments, with all partial time increments rounded down.~~
- ~~(2) Labor costs will be charged at the hourly wage of the lowest paid Township employee capable of doing the work in the specific fee category, regardless of who actually performs work.~~
- ~~(3) Labor costs may include a charge to cover or partially cover the cost of fringe benefits.~~
- ~~(4) The Township may add up to 50 percent to the applicable labor charge amount to cover or partially cover the cost of fringe benefits, but in no case may it exceed the actual cost of fringe benefits.~~
- ~~(5) Overtime wages will not be included in labor costs unless agreed to by the requester; overtime costs will not be used to calculate the fringe benefit cost.~~
- ~~(6) Contracted labor costs will be charged at the hourly rate of six times the state minimum hourly wage in effect at the time of the request.~~

~~(f) The cost to provide records on non-paper physical media when so requested will be based on the following requirements:~~

- ~~(1) Computer disks, computer tapes, thumb drives, or other digital or similar media will be at the actual and most reasonably economical cost for the non-paper media.~~
- ~~(2) This cost will only be assessed if the Township has the technological capability necessary to provide the public record in the requested non-paper physical media format.~~
- ~~(3) In order to ensure the integrity of the Township's technology infrastructure, the Township will procure any non-paper media and will not accept media from the requester.~~

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- ~~(g) The cost to provide paper copies of records will be based on the following requirements:~~
- ~~(1) Paper copies of public records made on standard letter (8½ inches by 11 inches) or legal (8½ inches by 14 inches) sized paper cost \$0.02 per black and white page or \$0.07 per color sheet as of the date these Township's procedures and guidelines were approved; if the actual cost to the Township increases over time the fee cannot exceed \$0.10 per sheet of paper under the FOIA.~~
 - ~~(2) The fee for larger sized copies sent out for duplication because the Township does not have the capability to do the copying will be the actual cost to the Township.~~
 - ~~(3) The Township will provide records using double-sided printing, if it is cost-saving and available.~~
- ~~(h) The cost to mail records to a requester will be based on the following requirements:~~
- ~~(1) The actual cost to mail public records using a reasonably economical and justified means.~~
 - ~~(2) The Township may charge for the least expensive form of postal delivery confirmation.~~
 - ~~(3) No cost will be made for expedited shipping or insurance unless specified by the requester.~~
- ~~(i) If the FOIA Coordinator does not respond to a written request in a timely manner, the Township must reduce the labor costs by five percent for each day the Township exceeds the time permitted under FOIA up to a 50 percent maximum reduction, if any of the following applies:~~
- ~~(1) The Township's late response was willful and intentional.~~
 - ~~(2) The written request conveyed a request for information within the first 250 words of the body of a letter, facsimile, email or email attachment.~~
 - ~~(3) The written request included the words, characters, or abbreviations for "freedom of information," "information," "FOIA," "copy" or a recognizable misspelling of such, or legal code reference to Public Act No. 442 of 1976 (MCL 15.231 et seq.) on the front of an envelope or in the subject line of an email, letter, or facsimile cover page.~~
 - ~~(4) Fully note the charge reduction in the detailed itemization of costs form.~~

Sec. 1-65. Waiver of fees.

The cost of the search for and copying of a public record may be waived or reduced if in the sole judgment of the FOIA Coordinator a waiver or reduced fee is in the public interest because it can be considered as primarily benefiting the general public.

Sec. 1-66. Discounted fees.

- ~~(a) Indigence.~~
- ~~(1) The FOIA Coordinator will discount the first \$20.00 of the processing fee for a request if the person requesting a public record submits an affidavit stating that he or she is:

 - ~~a. Indigent and receiving specific public assistance; or~~
 - ~~b. If not receiving public assistance, stating facts demonstrating an inability to pay because of indigence.~~~~
 - ~~(2) An individual is not eligible to receive the waiver if:

 - ~~a. The requester has previously received discounted copies of public records from the Township twice during the calendar year; or~~~~

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~~b. The requester requests information in connection with other persons who are offering or providing payment to the individual to make the request.~~

~~(3) An affidavit is sworn statement. The FOIA Coordinator may provide a fee waiver affidavit form for use by the public.~~

~~(b) Nonprofit organization advocating for developmentally disabled or mentally ill individuals. The FOIA Coordinator will discount the first \$20.00 of the processing fee for a request from:~~

~~A nonprofit organization formally designated by the state to carry out activities under subtitle C of the federal developmental disabilities assistance and Bill of Rights Act of 2000, Public Law 106-402, and the protection and advocacy for individuals with mental illness act, Public Law 99-319, or their successors, if the request meets all of the following requirements:~~

~~a. Is made directly on behalf of the organization or its clients.~~

~~b. Is made for a reason wholly consistent with the mission and provisions of those laws under section 931 of the mental health code, Public Act No. 258 of 1974 (MCL 330.1931).~~

~~c. Is accompanied by documentation of its designation by the state.~~

~~Sec. 1-67. Appeal of a denial of a public record.~~

~~(a) When a requester believes that all or a portion of a public record has not been disclosed or has been improperly exempted from disclosure, he or she may file an appeal.~~

~~(b) Appeals of the denial of general Township public records shall be made to the Township Board by filing an appeal with the general Township FOIA Coordinator.~~

~~(c) Appeals of the denial of public safety (police and fire) public records shall be made to the Director of Public Safety by filing an appeal with the public safety FOIA Coordinator.~~

~~(d) The appeal must be in writing, specifically state the word "appeal" and identify the reason or reasons the requester is seeking a reversal of the denial. The Township FOIA appeal form (To Appeal a Denial of Records) may be used.~~

~~(e) The Township Board is not considered to have received a written appeal until the first regularly scheduled Township Board meeting following submission of the written appeal.~~

~~(f) Within ten business days of receiving the appeal, the Township Board or Director of Public Safety, as appropriate, will respond in writing by:~~

~~(1) Reversing the disclosure denial;~~

~~(2) Upholding the disclosure denial; or~~

~~(3) Reversing the disclosure denial in part and upholding the disclosure denial in part; or~~

~~(4) Under unusual circumstances, issue a notice extending for not more than ten business days the period of time during which the Township Board or Director of Public Safety shall respond to the written appeal. The Township Board or Director of Public Safety shall not issue more than one notice of extension for a particular written appeal.~~

~~(g) If the Township Board or Director of Public Safety fails to respond to a written appeal, or if the Township Board/Director of Public Safety upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing a civil action in circuit court.~~

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- (h) ~~Whether or not a requester submitted an appeal of a denial to the Township Board or Director of Public Safety, he or she may file a civil action in Livingston County Circuit Court within 180 days after the Township's final determination to deny the request.~~
- (i) ~~If a court determines a public record is not exempt from disclosure, it shall order the Township to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. Failure to comply with an order of the court may be punished as contempt of court.~~
- (j) ~~If a person asserting the right to inspect, copy, or receive a copy of all or a portion of a public record prevails in such an action, the court shall award reasonable attorneys' fees, costs, and disbursements. If the person or Township prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursements.~~
- (k) ~~If the court determines that the Township has arbitrarily and capriciously violated this act by refusal or delay in disclosing or providing copies of a public record, the court shall order the Township to pay a civil fine of \$1,000.00, which shall be deposited into the general fund of the state treasury. The court shall award, in addition to any actual or compensatory damages, punitive damages in the amount of \$1,000.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual but shall be assessed against the next succeeding public body that is not an individual and that kept or maintained the public record as part of its public function.~~

Sec. 1-68. Appeal of an excessive FOIA processing fee.

- (a) ~~All appeals of FOIA processing fees, whether for general Township records or public safety records, shall be made to the Township Board.~~
- (b) ~~The term "fee" means the total fee or any component of the total fee calculated under section 4 of the FOIA, including any deposit.~~
- (c) ~~If a requester believes that the fee charged by the Township to process a FOIA request exceeds the amount permitted by state law or under this policy, he or she must first appeal to the Township Board by submitting a written appeal for a fee reduction to the general Township FOIA Coordinator at the Clerk's office.~~
- (d) ~~The appeal must be in writing, specifically state the word "appeal" and identify how the required fee exceeds the amount permitted. The Township FOIA appeal form (To Appeal an Excess Fee) may be used.~~
- (e) ~~The Township Board is not considered to have received a written appeal until the first regularly scheduled Township Board meeting following submission of the written appeal.~~
- (f) ~~Within ten business days after receiving the appeal, the Township Board will respond in writing by:~~
- ~~(1) Waiving the fee;~~
 - ~~(2) Reducing the fee and issuing a written determination indicating the specific basis that supports the remaining fee, and the reduced fee amount complies with these procedures and guidelines and section 4 of the FOIA;~~
 - ~~(3) Upholding the fee and issuing a written determination indicating the specific basis under section 4 of the FOIA that supports the required fee; or~~
 - ~~(4) Issuing a notice detailing the reason or reasons for extending for not more than ten business days the period of time during which the Township Board will respond to the written appeal. The Township Board shall not issue more than one notice of extension for a particular written appeal.~~
- (g) ~~Where the Township Board reduces or upholds the fee, the determination must include a certification from the Township Board that the statements in the determination are accurate and that the reduced fee amount complies with its publicly available procedures and guidelines and section 4 of the FOIA.~~

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- ~~(h) Within 45 days after receiving notice of the Township Board's determination of an appeal, the requesting person may commence a civil action in Livingston County Circuit Court for a fee reduction.~~
- ~~(i) If a civil action is commenced against the Township for an excess fee, the Township is not obligated to complete the processing of the written request for the public record at issue until the court resolves the fee dispute.~~
- ~~(j) An action shall not be filed in circuit court unless one of the following applies:~~
- ~~(1) The Township does not provide for appeals of fees;~~
 - ~~(2) The Township Board failed to respond to a written appeal as required; or~~
 - ~~(3) The Township Board issued a determination to a written appeal.~~
- ~~(k) If a court determines that the Township required a fee that exceeds the amount permitted under its publicly available procedures and guidelines or section 4 of the FOIA, the court shall reduce the fee to a permissible amount. Failure to comply with an order of the court may be punished as contempt of court.~~
- ~~(l) If the requesting person prevails in court by receiving a reduction of 50 percent or more of the total fee, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursements. The award shall be assessed against the public body liable for damages.~~
- ~~(m) If the court determines that the Township has arbitrarily and capriciously violated the FOIA by charging an excessive fee, the court shall order the Township to pay a civil fine of \$500.00, which shall be deposited in the general fund of the state treasury. The court may also award, in addition to any actual or compensatory damages, punitive damages in the amount of \$500.00 to the person seeking the fee reduction. The fine and any damages shall not be assessed against an individual but shall be assessed against the public body liable for damages.~~

~~Sec. 1-69. Failure to comply with FOI Act.~~

~~If the court determines, in an action commenced under the FOI Act, that a public body willfully and intentionally failed to comply with the act or otherwise acted in bad faith, the court shall order the public body to pay, in addition to any other award or sanction, a civil fine of not less than \$2,500.00 or more than \$7,500.00 for each occurrence. In determining the amount of the civil fine, the court shall consider the budget of the public body and whether the public body has previously been assessed penalties for violations of this act. The civil fine shall be deposited in the general fund of the state treasury.~~

~~Sec. 1-70. Conflict with prior FOIA policies and procedures; effective date.~~

- ~~(a) To the extent that these procedures and guidelines conflict with previous FOIA policies promulgated by the Township Board or the Township administration, these procedures and guidelines are controlling. To the extent that any administrative rule promulgated by the FOIA Coordinator subsequent to the adoption of these procedures and guidelines is found to be in conflict with any previous policy promulgated by the Township Board or the Township administration, the administrative rule promulgated by the FOIA Coordinator is controlling.~~
- ~~(b) To the extent that any provision of these procedures and guidelines or any administrative rule promulgated by the FOIA Coordinator pertaining to the release of public records is found to be in conflict with any state statute, the applicable statute shall control. The FOIA Coordinator is authorized to modify this policy and all previous policies adopted by the Township Board or the Township administration, and to adopt such administrative rules as he or she may deem necessary, to facilitate the legal review and processing of requests for public records made pursuant to Michigan's FOIA statute, provided that such modifications and~~

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~~rules are consistent with state law. The FOIA Coordinator shall inform the Township Board of any change these policies and guidelines.~~

~~These FOIA Policies and Guidelines became effective July 1, 2019.~~

~~Secs. 1-71—1-98. Reserved.~~

ARTICLE IV. LAND USE

DIVISION 1. GENERALLY

Secs. 1-99—1-124. Reserved.

DIVISION 2. PERMIT FEES

Commented [DH4]: This will need to be reviewed by Zoning Department

Sec. 1-125. Land use permits—Residential.

New Home	\$100.00
Additions-Addition of Square Footage (i.e., garage, family/bedroom, second story, sunroom, pole barn)	\$70.00
Remodeling/Repairs-No Addition of Square Footage (i.e., moving interior walls, renovations, finishing basement, or second story)	\$40.00
Repairs-Re-Roofing, Windows, Siding, Electrical, Plumbing, Heating/Air Conditioning	\$15.00
Peripherals-Amenities (i.e., decks, pools, porches, gazebos, boathouses, sheds, fences, etc.)	\$40.00
Electrical, Plumbing, and Heating/Air Conditioning Work—No Structural Changes	\$15.00
Satellite Dishes, TV/Radio Antennas—Residential Only—No Structural Changes	\$15.00
Reinspection Fee	\$25.00
Addressing	\$25.00/address
Temporary Trailers	\$100.00 for 6 months plus \$2,000.00 cash bond
Demolitions	\$45.00
Change in Use	\$40.00
Signs	\$40.00
Home Occupation	\$35.00
Seasonal Sales	\$40.00
Minor Agricultural Commercial/Tourism Business	\$150.00
After the Fact Permits Additional Processing Fee	\$100.00

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After the Fact Permit Additional Processing Fee— No Charge Permit	\$1.00
Review Escrow	Based on estimated cost of review

Note: Upon the issuance of an address, a reflective address sign will be provided.

Sec. 1-126. Land use permits—Multiple-family (duplexes, apartments buildings, hotels, motels, inns).

For each residential unit within a single unified structure:

New Construction	\$100.00
Additions	\$70.00
Remodeling-No Addition of Square Footage (i.e., moving interior walls, re-doing bathroom, and kitchens finishing basement or second story)	\$60.00
Repairs (i.e., re-roofing, windows, siding, electrical, plumbing, heating, air conditioning)	\$15.00
New Facades	\$60.00
Peripherals-Amenities (i.e., decks, pools, porches, gazebos, boathouses, sheds, fences, etc.)	\$60.00
Site Improvements (i.e., paving, parking, grading, curbs, sidewalks, landscaping)	\$80.00
Electrical, Plumbing and Heating/Air Conditioning Work-No Structural Changes	\$15.00
Satellite Dishes, TV/Radio Antennas-Residential Only—No Structural Changes	\$15.00
Addressing	\$25.00/address
Reinspection Fee	\$25.00
After the Fact Permit Additional Processing Fee	\$100.00
After the Fact Permit Additional Processing Fee— No Charge Permit	\$1.00
Review Escrow	Based on estimated cost of review

Note: Upon the issuance of an address, a reflective address sign will be provided.

Land use permit fees are in addition to any and all fees for site plan application reviews, variances, public hearings, and private roads/driveway variances.

Sec. 1-127. Land use permits—Commercial/industrial (in addition to site plan review fees as applicable).

New Building	\$250.00
Remodeling—No Addition of Square Footage (i.e., facades, re-roofing, interior walls,	\$105.00

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bathrooms, electrical, plumbing, heating mechanical, factory machinery, upgrades requiring building permits)	
Additions—Additions of Square Footage (i.e., pole barn, extra wing/story)	\$105.00
New Facades	\$60.00
Peripherals (sheds, decks, porches, fences)	\$75.00
Temporary Trailers	\$100.00 for 6 months plus \$2,000.00 cash bond
Demolitions	\$60.00
Site Improvements (paving, parking, grading, curbs, sidewalks, landscaping, consumers energy rectifiers)	\$75.00
Change in Use	\$40.00
Seasonal Sales	\$40.00
Signs	\$60.00
Wireless Communication Facilities	\$250.00
Addressing	\$25.00/address
Reinspection Fee	\$25.00
After the Fact Permit Additional Processing Fee	\$100.00
Review Escrow	Based on estimated cost of review

Note: Upon the issuance of an address, a reflective address sign will be provided.

Sec. 1-128. Land use permits—Multiple commercial/industrial units (buildings with multiple offices/retail/manufacturing suites) for each unit within a single unified structure.

New Construction	\$100.00
Remodeling/Repairs—No Addition of Square Footage (i.e., moving interior walls, re-doing bathrooms, kitchens, finishing basement or second story, re-roofing, windows, siding, etc.)	\$70.00
Building Facades	\$70.00
Peripherals-Amenities (i.e., decks, pools, porches, gazebos, boathouses, sheds, fences etc.)	\$60.00
Site Improvements (paving, parking, grading, curbs, sidewalks, landscaping)	\$90.00
Electrical, Plumbing and Heating/Air Conditioning Work—No Structural Changes	\$15.00
Satellite Dishes, TV/Radio Antennas/Wireless Communication Facilities	\$100.00
Reinspection Fee	\$30.00
Addressing	\$25.00/address
After the Fact Permit Additional Processing Fee	\$100.00

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After the Fact Permit Additional Processing Fee— No Charge Permit	\$1.00
Review Escrow	Based on estimated cost of review

Sec. 1-129. Temporary land use and special events.

Temporary Land Use-Special Events (section 36-75)—For-Profit Organizations	\$75.00
Temporary Land Use-Special Events (section 36-75)—Non-Profit Organizations	\$25.00
Review Escrow	Based on estimated cost of review

Sec. 1-130. ADU permit fees (in addition to all other fees).

Application fee:

Zoning Administrator Review	\$75.00
Planning Commission Review	\$300.00
Special Use Permit Review	\$750.00
Review Escrow	Based on estimated cost of review

Sec. 1-131. Nonconforming use fees (in addition to all other fees).

Application fee:

Class A Review	\$300.00
Review Escrow	Based on estimated cost of review

Sec. 1-132. Planning review fees (in addition to all other fees).

Sign Review, and Sign and Agricultural Tourism Waivers	\$300.00
Review Escrow	Based on estimated cost of review

Sec. 1-133. Special use permit fees (in addition to all other fees).

Application fee:

Special Use Permit (section 36-36)—For Both Residential, Commercial/Industrial	\$750.00
Review Escrow	\$1,500.00

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Sec. 1-134. Rezoning fees (in addition to all other fees).

Application fee:

Rezoning of Property—for Both Residential, Commercial, and Industrial	\$1,000.00
Review Escrow	\$2,500.00

(Please note: Open Space Community Overlay Districts under article XII of the Hamburg Township Zoning Ordinance are not rezonings.)

Sec. 1-135. Zoning text amendments (in addition to all other fees).

Application fee:

Proposed Text Amendments to the Hamburg Township Zoning Ordinance	\$900.00
Review Escrow	\$1,500.00

Sec. 1-136. For all projects; pre-application conferences.

Optional pre-application conference—For 1½-hour conference period (to be paid prior to the conference):

Zoning Administrator	\$50.00
Township Planner	\$350.00
Township Engineer	\$350.00

Secs. 1-137—1-155. Reserved.

DIVISION 3. SITE PLAN REVIEW FEES (IN ADDITION TO ALL OTHER FEES)

Sec. 1-156. Residential planned unit development and condominiums projects.

Application fee:

New Subdivisions of All Types	\$2,000.00
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Sec. 1-157. Review escrow fees.

Preliminary Site Plan	\$2,000.00 plus \$50.00/unit
Final Site Plan	\$2,000.00 plus \$50.00/unit
Combined Preliminary/Final Site	\$4,000.00 plus \$50.00/unit

Sec. 1-158. Amendments to site plans.

Application fee:

Minor Modification—Administrative	\$150.00
Minor Modification—Planning Commission	\$700.00 plus review fees
Site Plan Amendment—Significate Changes	\$2,000.00 plus review fees

Sec. 1-159. Review escrow fees for amendments.

Minor Modification—Planning Commission	\$1,400.00
Site Plan Amendment—Significant Changes	\$2,000.00

Secs. 1-160—1-186. Reserved.

DIVISION 4. PLATS/SUBDIVISIONS

Sec. 1-187. Application fee.

Tentative/Preliminary Plat	\$1,000.00 plus \$50.00/lot
Preliminary Final Plat	\$1,000.00 plus \$50.00/lot
Final Plat	\$1,000.00 plus \$50.00/lot

Sec. 1-188. Review escrow.

Tentative/Preliminary Plat	\$2,500.00 plus \$50.00/lot
Preliminary Final Plat	\$2,500.00 plus \$50.00/lot
Final Plat	\$2,500.00 plus \$50.00/lot

Secs. 1-189—1-214. Reserved.

DIVISION 5. SITE PLAN REVIEW FOR COMMERCIAL AND INDUSTRIAL PROJECTS OF ALL TYPES

Sec. 1-215. Application fee.

New projects of all types:

Preliminary Site Plan	\$1000.00 plus \$200.00/acre over one acre
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Final Site Plan	\$1,000.00 plus \$200.00/acre over one acre
Combination Preliminary/Final	\$2,000.00 plus \$400.00/acre over one acre

Sec. 1-216. Review escrow.

Preliminary Site Plan	\$2,500.00 plus \$250.00/acre over one acre
Final Site Plan	\$2,500.00 plus \$250.00/acre over one acre
Combined Preliminary/Final Site	\$5,000.00 plus \$500.00/acre over one acre

Sec. 1-217. Amendments to site plans.

Minor Modification—Administrative	\$150.00
Minor Modification—Planning Commission	\$700.00 plus review fees
Site Plan Amendment—Significant Changes	\$2,000.00 plus review fees

Sec. 1-218. Review escrow fees for amendments.

Minor Modification-Planning Commission	\$1,500.00 + \$100.00/acre over one acre
Site Plan Amendment-Significant Changes	\$3,500.00 + \$100.00/acre over one acre.

Sec. 1-219. Commercial/mixed-use planned unit development.

- (a) Application fee: \$4,500.00 plus \$100.00/acre over one acre.
- (b) Review escrow fees:

Preliminary Site Plan	\$3,500.00 plus \$250.00/acre over one acre
Final Site Plan	\$3,500.00 plus \$250.00/acre over one acre
Combination Preliminary/Final	\$7,000.00 plus \$500.00/acre over one acre

Note: Acreage calculations based upon the acreage being developed or utilized for the project (parking, buildings, walks, stormwater retention etc.).

Sec. 1-220. Private road and drainage fees.

- (a) Private road-regular approval request (please note that these fees are in addition to any variance/wavier request fees that may be applicable): Zoning administrative fee: \$400.00.
- (b) Engineer review escrow: (includes original and one revised submittal):

1—2,000 Linear Footage	\$2,500.00
2,000—4,000 Linear Footage	\$3,500.00
4,000 + Linear Footage	Multiply above increments

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Road Surface, Drainage Inspection and Certification Review Fee	\$300.00
Reinspection Fee	\$300.00
Bond to Construct Road	As set by Zoning Administrator

(c) Assistance due to non-compliance:

Township Administration	\$400.00
Engineering and Site Visit Escrow	\$3,000.00

(d) Private road variance/waiver request:

Application Fee	\$500.00
Engineer Review/Inspection Fee	\$1,000.00
If Special Meeting—Fee for Township Board	\$800.00

Secs. 1-221—1-345. Reserved.

DIVISION 6. OTHER FEES

Sec. 1-346. Site walks.

Planning commission \$750.00

Sec. 1-347. Special meetings.

Planning commission and Township Board:

Meetings that Do Not Require Consultant Review	\$800.00
Meetings that Require Consultant Review	\$800.00 plus \$700.00 consultant fee

Sec. 1-348. Sewer feasibility.

Cost Estimate Commercial	\$1,000.00
Cost Estimate Single-Family Home	\$200.00
Final Inspection and Review of Certification Documents	\$500.00 plus review fees
Creation/alteration of Water Bodies (section 36-275) (setbacks need to be met if pond is entirely within parcel)	\$50.00
Permit for Grading, Drainage, Fill, Excavation, Etc. (plus engineering review and site visit fees)	\$50.00

Sec. 1-349. Land divisions/combinations/lot splits/re-descriptions.

Per Parcel/Lot Being Created	\$100.00
Boundary Adjustments (fee charged for each resulting parcel or new description) (outlots/parks/open space areas each count as 1 lot)	\$100.00
Review Escrow	Based on estimated cost of review (no charge for combination or separation of platted lots of record or other parcels of record for tax code purposes only)

Sec. 1-350. Zoning Board of Appeals fees (in addition to all other fees).

Per Case	\$500.00 plus \$50.00 per additional variance
Rehearing Meeting	\$200.00
Review Escrow	Based on estimated cost of review

Sec. 1-353. Ordinances.

Ordinances and the master plan can be viewed on our website at www.hamburg.mi.us. From the main page, go to the Lawroom (add \$5.00 if mailed).

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(Supp. No. 2)

Master Plan	\$30.00
General Ordinance	\$35.00
Zoning Ordinance	\$35.00
Large Zoning District Map	\$15.00
Small Zoning District Map	\$7.50
Copies of Full-Size Sectional Maps	\$10.00/sheet

Sec. 1-354. Copies.

Photocopies (plus postage if mailed): \$0.25/page.

Sec. 1-355. Fees.

Fees listed in this schedule are intended to cover staff time and other costs for standard processing. Application fees and review fees are required at the time of application. In the case of separate applications for preliminary and final reviews, separate application and review fees shall be collected.

Sec. 1-356. Exemptions.

All permitting fees will be waived by Hamburg Township for non-profit private and public service project.

Sec. 1-357. Review escrows.

- (a) Review escrow fees are reasonably related to the amount of costs and expenses estimated by the Township and its consultants to complete the respective review of a project by the Township's consultants. If there is not an estimate for the initial cost of the review escrow and instead the review fee states it is based on an estimate of cost of review the Zoning Administrator will contact the party that is needed for review and the cost of the review escrow fee will be based on the projected cost of the review. Review escrow fees shall be placed into a non-interest-bearing escrow account. Upon final review, the remaining review escrow fee balances shall be returned to the applicant upon receipt of final billing. If the excess fees are sent by mail to the applicant at the address specified on the escrow receipt, and is returned undelivered, it shall be held by the Township and returned to the applicant on demand; however, if such demand is not made within one year after it was returned undeliverable, the remaining escrow shall be deemed forfeited and shall be deposited in the general fund of the Township. The applicant shall be responsible for all costs incurred for review in excess of the original submitted escrow amount. If the review escrow fee amount held by the Township is determined to be less than the amount needed to review the project additional escrow fund shall be requested. Final certificates of occupancy shall not be issued until such time as all outstanding fees are paid.
- (b) Review escrows fees can be required for any work or process either covered or not covered in this Schedule based on the cost of the review to be determined by the Zoning Administrator and the party reviewing the project.

Secs. 1-358—1-387. Reserved.

ARTICLE V. HAMBURG CEMETERY AND MAUSOLEUM PRICING

PART II - TOWNSHIP APPENDICES
Appendix A - HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE 2021—2022
ARTICLE V. - HAMBURG CEMETERY AND MAUSOLEUM PRICING
DIVISION 1. GENERALLY

DIVISION 1. GENERALLY

Secs. 1-388—1-417. Reserved.

DIVISION 2. CRYPT PRICING

Sec. 1-418. South wall, side by side.

Cost: \$3,000 (single)

(Ord. of 7-1-2021)

Sec. 1-419. South wall, end to end.

Cost: \$6,000 (double)

(Ord. of 7-1-2021)

Sec. 1-420. Reserved.

Editor's note(s)—An ordinance adopted July 1, 2021 , repealed § 1-420, which pertained to south wall singles.

Sec. 1-421. North wall, side by side.

Cost: \$2,500 (single)

(Ord. of 7-1-2021)

Sec. 1-422. North wall, end to end.

Cost: \$5,000 (double)

(Ord. of 7-1-2021)

Sec. 1-423. Reserved.

Editor's note(s)—An ordinance adopted July 1, 2021 , repealed § 1-423, which pertained to north wall singles.

Secs. 1-424—1-444. Reserved.

PART II - TOWNSHIP APPENDICES
Appendix A - HAMBURG TOWNSHIP ADMINISTRATIVE FEE SCHEDULE 2021—2022
ARTICLE V. - HAMBURG CEMETERY AND MAUSOLEUM PRICING
DIVISION 3. NICHE PRICING

DIVISION 3. NICHE PRICING²

Sec. 1-445. West wall (mural).

<i>Tier</i>	<i>Cost</i>
I	\$677.00
H	\$903.00
G	\$1,083.00
F	\$1,083.00
E	\$1,083.00
D	\$1,083.00
C	\$1,083.00
B	\$903.00
A	\$903.00

(Ord. of 7-1-2021)

Sec. 1-446. East wall.

<i>Tier</i>	<i>Cost</i>
I	\$451.00
H	\$677.00
G	\$903.00
F	\$903.00
E	\$903.00
D	\$903.00
C	\$903.00
B	\$677.00
A	\$587.00

(Ord. of 7-1-2021)

Sec. 1-447. Cemetery plots.

- (a) Resident pricing, per plot \$500.00

²Editor's note(s)—Interment of more than one cremation at the same is charged at 1.5 times the rate.

(b) Nonresident pricing, per plot \$750.00
(Ord. of 7-1-2021)

Sec. 1-448. Opening/closing.

CASKET BURIAL

Adult - M—F before 3:30 p.m. \$1,000.00

Adult - after 3:30 p.m. & Saturday \$1,200.00

Child/Infant - M—F before 3:30 p.m. \$500.00

Child/Infant - after 3:30 p.m. & Saturday \$700.00

BURIAL/INTERMENT OF CREMAINS

M—F before 3:30 p.m. \$300.00

After 3:30 p.m. & Saturday \$400.00

(Ord. of 7-1-2021)

Sec. 1-449. Monument foundations.

Monument foundations will be charged at a rate of \$0.31 per square inch and must be a minimum of two (2) inches on all sides of the base.

~~(Ord. of 7-1-2021)~~

~~**Secs. 1-450—1-466. Reserved.**~~

~~**ARTICLE VI. SCHEDULE 1 CURRENT RATES AND CHARGES FOR THE RESPECTIVE SEWER DISTRICTS IN THE SYSTEM (REVISIONS HIGHLIGHTED IN BOLD)**~~

~~**Sec. 1-467. Appendix 1 Table of unit factors.**~~

<i>Usage</i>	<i>Residential Equivalent Unit Factor</i>
Auto Dealer—Sales and/or Service	1.00/premises + 0.40/1,000 square feet
Auto Repair/Collision Body Shop	1.00/premises + 0.40/1,000 square feet
Bakery	1.25/1,000 square feet
Bank	0.25 per employee station
Bar	2.00/1,000 square feet
Barbershop	1.00/shop + 0.10/chair
Beauty Shop	1.00/shop + 0.10/booth
Bed and Breakfast	1.00/premises + 0.20/guest
Boardinghouse, Boarding School, Dormitory, Fraternity Or Sorority House, Etc.	1.00/premises + 0.20/bedroom

Commented [DH5]: Need to know if this is duplicate information to what is shown in Section III, Section 14-53 – Table of Unit Factors. If it is, we should pick one place or the other to show it, and then reference to it in the other part of the code. Need a decision, but I suggest leaving it here and changing it in Article III.

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(Supp. No. 2)

Bowling Alley and/or Restaurant	0.16/alley (bar and/or restaurant to be computed at its respective residential equivalent)
Car Wash—Do It Yourself	1.00 per stall
Car Wash—Automatic Non-Recycled	10.00/single production line
Car Wash—Automatic Recycled	5.00/single production line
Churches	0.20/1000 square feet
Cleaners (pick-up only)	1.00/shop
Cleaners (pressing facilities)	1.25/press
Convalescent Home	0.22/bed
Country Club/Health Center	1.50/1,000 square feet
Day Care Center	1.00/premises + 0.25/1,000 square feet
Drug Store, Dime Store (with fountain service)	1.0 + 0.1 per seat
Factory (exclusive of industrial waste)	0.50/1,000 square feet
Fire Station (volunteer)	1.00/location
Fire Station (full time)	0.20/firefighter-24 hrs.
Florist	1.10/1,000 square feet
Fraternal Organization (with bar and/or restaurant)	1.00/hall (bar and/or restaurant to be computed at its respective residential equivalent)
Funeral Home	1.50/1,000 square feet
Garden Center (nursery) Government Offices	1.10/1000 square feet, 0.40/1000 square feet
Grocery Stores and Markets	1.10/1,000 ft.
Hospital	1.10/bed
Hotel, Motel, Roominghouse (with bar and/or restaurant)	0.4 bedroom (bar and/or restaurant to be computed at its respective residential equivalent)
Laundry (self-serve)	0.34/washer
Library	0.53/1,000 square feet
Marina	0.10/slip (over 25 feet in length), 0.06/slip (under 25 feet in length)
Office Building (general)	0.40/1000 square feet
Office Building (medical, dental, clinic, etc.)	1.0 + 0.5 per exam room
Pet Shop	1.10/1,000 square feet
Post Office	1.00/1,000 square feet
Printing Shop	0.50/1,000 square feet
Public Institute	0.75/1,000 square feet
Residential	
Condominiums	1.00/per unit
Mobile Home, Trailer Park	1.00/unit
Multiple Family Residence (three or more units in one structure)	0.75/unit
Single Family Residence	1.00/unit
Two-Family Residence (duplex)	1.00/unit
Restaurants (fast food)	7.00/location

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(Supp. No. 2)

Restaurant (meals and bar)	2.50/1,000 square feet (excluding restrooms, public areas not in regular use and unfinished areas)
Restaurant (meals only)	1.50/1,000 square feet (excluding restrooms, public areas not in regular use and unfinished areas)
Retail Store	1.00/premises + 0.10/1,000 square feet
School	1.00/classroom
Service Station + Repair Area	0.25/pump + 0.40/1000 square feet
Snack Bar, Drive In	1.50/1,000 square feet
Supermarket, Grocery Store	1.10/1,000 square feet
Swimming Pool	3.00/1,000 square feet
Theater — Drive In, Theater — Indoor, Travel Trailer Parks and Campgrounds	0.04 per car space (plus snack bar, which is measured separately)
	0.04 per seat (plus snack bar, which is measured separately) 0.20/site (plus waste disposal station C is calculated separately)
Utility Sub Station	0.10/1,000 square feet
Warehouse or Storage Building	0.10/1,000 square feet
Waste Disposal Station (for travel trailers)	2.00/station
Veterinary Facilities and Kennels	1.00 + 0.10 per kennel

Notwithstanding the foregoing, each connecting customer shall be considered to be at least one residential equivalent unit.

(Ord. of 7-1-2021)

We reimburse for paint for football which is taken off fees. We pay for paint and striping in West Park, and have starting paying for gravel in East Park which used to be paid for by Baseball. Specific costs for maintenance related expenses is in a separate report.

These are the Average fees paid per season/per sport:

Soccer - \$2,000 per season

Baseball - \$2,000 per season

Football - \$1,000 per season

Flyers RC - \$325 Annually

These use rates are not contemplating complete use of All fields, All Days, All Hours, for the particular sport. This is often what is requested, but not what is needed, in my observation.

Currently the "Partner Groups" are Flyers, PHBSA & PYA – who are billed under the old system of \$5.00 per resident and \$10.00 per non-resident for the season. Effectively the fields are blocked for their use for the season for the rates we receive above, less any receipts they send us for the maintenance of the fields. I highly recommend we do away with this old system of park fee and negotiate individually with these groups what their flat rate will be and what will be expected from both them and the Township as far as the maintenance that occurs, and how it is conducted. In the case of the Flyer's, their contribution includes GL coverage.

Negotiated contracts would clarify what was expected from everyone, whether the benefit they provided was required to extend to the public in the off season.

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HAMBURG TOWNSHIP
GENERAL FUND FINANCIAL PROJECTION

Item 15.

	ACTUAL FY 2022/23	PROJECTED FY 2023/24	PROJECTED FY 2024/25	PROJECTED FY 2025/26	PROJECTED FY 2026/27	PROJECTED FY 2027/28	PROJECTED FY 2028/29	PROJECTED FY 2029/30	PROJECTED FY 2030/31	PROJECTED FY 2031/32	PROJECTED FY 2032/33	PROJECTED FY 2033/34
REVENUES:												
PROPERTY TAXES	990,990	1,051,545	1,062,724	1,115,860	1,171,653	1,230,236	1,291,748	1,356,335	1,424,152	1,495,359	1,570,127	1,648,634
PROP TAX ADMIN FEE	374,954	393,480	395,000	414,750	435,488	457,262	480,125	504,131	529,338	555,805	583,595	612,775
STATE SHARED REVENUE	2,370,008	2,421,991	2,470,000	2,519,400	2,569,788	2,621,184	2,673,607	2,727,080	2,781,621	2,837,254	2,893,999	2,951,879
CABLE FRANCHISE FEE	332,971	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
ADMIN FEE FROM SEWER FUND	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000
INTEREST REVENUE	230,766	185,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000
ALL OTHER	958,423	2,218,332	227,250	231,795	236,431	241,160	245,983	250,902	255,920	261,039	266,260	271,585
TOTAL REVENUES & TRANSFERS	5,373,112	6,735,348	4,839,974	4,966,805	5,098,360	5,234,841	5,376,463	5,523,448	5,676,031	5,834,456	5,998,981	6,169,872
EXPENDITURES:												
SALARIES AND WAGES	1,500,871	1,507,000	1,721,583	1,692,162	1,776,770	1,865,609	2,074,389	2,062,609	2,165,739	2,274,026	2,503,227	2,512,889
HEALTH INSURANCE	297,790	307,200	316,800	332,640	349,272	366,736	385,072	404,326	424,542	445,769	468,058	491,461
RETIREMENT	117,780	136,400	155,400	163,170	171,329	179,895	188,890	198,334	208,251	218,663	229,597	241,076
FICA	115,213	110,750	131,029	129,450	135,923	142,719	158,691	157,790	165,679	173,963	191,497	192,236
OTHER PERSONNEL COSTS	8,308	13,700	150,565	153,576	156,648	159,781	162,976	166,236	169,561	172,952	176,411	179,939
OTHER OPERATING COSTS	2,296,748	1,540,267	2,360,723	2,478,759	2,602,697	2,732,832	2,869,474	3,012,947	3,163,595	3,321,774	3,487,863	3,662,256
TRANSFER TO POLICE OPERATING	-	-	250,000	250,000	250,000	-	-	-	-	-	-	-
TRANSFER TO PARKS - OPERATING	266,667	595,831	-	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	\$ 4,603,377	\$ 6,625,938	\$ 5,086,100	\$ 5,199,758	\$ 5,442,639	\$ 5,447,571	\$ 5,839,492	\$ 6,002,242	\$ 6,297,367	\$ 6,607,148	\$ 7,056,653	\$ 7,279,857
OPERATING SURPLUS (SHORTFALL)	\$ 803,649	\$ 109,410	\$ (246,126)	\$ (232,953)	\$ (344,279)	\$ (212,730)	\$ (463,029)	\$ (478,793)	\$ (621,335)	\$ (772,692)	\$ (1,057,672)	\$ (1,109,985)
FUND BALANCE - BEGINNING OF YEAR	\$ 5,693,635	\$ 6,497,284	\$ 6,606,694	\$ 6,360,568	\$ 6,127,615	\$ 5,783,336	\$ 5,570,606	\$ 5,107,576	\$ 4,628,783	\$ 4,007,448	\$ 3,234,756	\$ 2,177,084
FUND BALANCE - END OF YEAR	\$ 6,497,284	\$ 6,606,694	\$ 6,360,568	\$ 6,127,615	\$ 5,783,336	\$ 5,570,606	\$ 5,107,576	\$ 4,628,783	\$ 4,007,448	\$ 3,234,756	\$ 2,177,084	\$ 1,067,099
FUND BALANCE RESERVED FOR WATER RECEIVABLE***	459,648	459,648	459,648	459,648	459,648	459,648	459,648	459,648	459,648	459,648	459,648	459,648
OTHER DESIGNATED FUND BALANCE **	564,430	564,470	564,510	564,550	564,590	564,630	564,670	564,710	564,750	564,790	564,830	564,870
UNDESIGNATED FUND BALANCE	\$ 5,473,206	\$ 5,582,576	\$ 5,336,410	\$ 5,103,417	\$ 4,759,098	\$ 4,546,328	\$ 4,083,258	\$ 3,604,425	\$ 2,983,050	\$ 2,210,318	\$ 1,152,606	\$ 42,581

** Committed Fund Balances, Assets held for resale, prepaids

*** Long-term receivable

Board Resolution FB 125% of operating expenses difference	5,754,221	8,282,423	6,357,625	6,499,698	6,803,298	6,809,464	7,299,365	7,502,802	7,871,708	8,258,935	8,820,816	9,099,822
	\$ 743,062	\$ (1,675,729)	\$ 2,943	\$ (372,083)	\$ (1,019,962)	\$ (1,238,858)	\$ (2,191,789)	\$ (2,874,019)	\$ (3,864,260)	\$ (5,024,179)	\$ (6,643,732)	\$ (8,032,723)

HAMBURG TOWNSHIP GENERAL FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
101-000.000-402.000	CURRENT PROPERTY TAX	984,167	1,048,888	1,048,887	1,048,887	1,057,624
101-000.000-412.000	DELINQUENT PP TAX	6,222	2,500	3,065	3,065	3,100
101-000.000-415.000	CHARGE BACKS/MTT/BOARD OF REVIEW	601	2,000	(407)	(407)	2,000
101-000.000-434.000	TRAILER PARK TAX FEES	1,996	2,200	1,498	2,200	1,500
101-000.000-447.000	PROPERTY TAX ADMIN FEE	374,954	393,480	393,480	393,480	395,000
101-000.000-448.000	SET COLLECTION FEE	26,264	27,000	26,164	27,000	27,000
101-000.000-477.000	FRANCHISE FEE - CABLE	332,971	350,000	159,745	350,000	350,000
101-000.000-478.000	SPECIAL USE PERMITS	750	750	-	750	750
101-000.000-479.000	LAND USE PERMITS	24,885	26,100	30,035	30,035	28,000
101-000.000-485.000	DOG LICENSES	290	300	179	300	250
101-000.000-501.000	FEDERAL GRANT REVENUE	-	-	-	-	-
101-000.000-528.000	OTHER FEDERAL GRANTS	333,809	1,278,000	1,277,324	1,277,324	-
101-000.000-540.000	STATE GRANTS	-	12,000	12,000	12,000	-
101-000.000-574.000	STATE SHARED REVENUES	2,370,008	2,421,991	1,266,431	2,421,991	2,470,000
101-000.000-577.000	STATE ROW MAINTENANCE FEE-CABLE	10,442	12,000	11,860	12,000	12,000
101-000.000-606.000	FOIA REQUESTS	1,067	500	59	500	500
101-000.000-607.000	NON-TAX ADMIN FEE	9,681	5,000	2,600	5,000	3,000
101-000.000-631.000	SCHOOL ELECTION CHARGES	-	-	-	-	-
101-000.000-636.000	COPIES/MAPS	63	50	54	54	50
101-000.000-643.000	SALE OF CEMETERY LOTS	9,500	17,000	21,400	21,400	15,000
101-000.000-643.001	CEMETERY SERVICES OPEN/CLOSE	14,129	11,000	9,979	11,000	10,000
101-000.000-645.000	MAUS SALES REVENUE	13,965	6,500	587	6,500	1,000
101-000.000-651.000	PARKS & RECREATION FEES	20,899	15,000	15,516	15,516	15,000
101-000.000-651.001	SENIOR CENTER RENTALS	4,555	3,000	3,210	3,210	3,000
101-000.000-657.000	ORDINANCE FINES	-	-	-	-	-
101-000.000-659.000	RETURNED CHECK FEE	72	100	108	108	100
101-000.000-664.000	INTEREST REVENUE	230,766	185,000	124,804	185,000	220,000
101-000.000-665.010	INTEREST REVENUE MAUS INSTALL AGREEMENT	-	-	-	-	-
101-000.000-667.000	RENTAL INCOME	25,000	4,200	2,800	4,200	2,200
101-000.000-671.000	OTHER REVENUE - CONTRACT SERVICE	18,000	15,000	12,000	15,000	15,000
101-000.000-674.000	CONTRIBUTIONS/DONATIONS/GRANTS	125,609	69,000	69,000	69,000	-
101-000.000-676.000	REIMBURSEMENTS & COST RECOVERY	10,483	66,000	65,165	66,000	65,000
101-000.000-677.000	SUNDRY	28	50	200	200	200
101-000.000-685.003	OPIOID SETTLEMENT	-	4,900	4,904	4,904	-
101-000.000-699.590	FROM SEWER ENTERPRISE	115,000	115,000	95,833	115,000	115,000

HAMBURG TOWNSHIP GENERAL FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
101-702.000-613.000	LAND DIVISION/COMBINATION FEES	600	800	800	800	700
101-702.000-615.000	REZONING FEES	1,000	1,000	1,000	1,000	1,000
101-702.000-616.000	ADDRESS SIGN FEE	-	-	-	-	-
101-702.000-617.000	SITE PLAN FEES	16,579	13,000	2,743	13,000	3,000
101-702.000-618.000	ZONING BOARD OF APPEALS APPLIC	9,550	6,000	3,800	6,000	4,000
101-000.000-664.000	INTEREST REVENUE	12,540	17,500	14,828	17,500	19,000
101-000.000-699.101	TRANSFER IN 101-OPERATIONS	266,667	595,831	496,526	595,831	-
	TOTAL ESTIMATED REVENUE	5,373,112	6,728,640	5,178,175	6,735,348	4,839,974
ESTIMATED APPROPRIATIONS						
Dept 101.000 - Township Board						
101-101.000-703.100	TRUSTEES SALARIES	30,267	31,780	22,700	30,267	31,780
101-101.000-704.100	PER DIEM	6,305	8,840	4,225	8,840	8,840
101-101.000-709.000	TOWNSHIP FICA	2,798	3,107	2,060	3,107	3,110
101-101.000-716.000	DEFINED CONTRIBUTION	4,001	4,062	2,677	4,062	4,100
101-101.000-801.500	ECONOMIC DEVELOPMENT CONSULTANT	10,246	20,300	10,359	20,300	10,000
101-101.000-826.000	LEGAL FEES	25,636	30,000	9,290	30,000	15,000
101-101.000-900.000	LEGAL NOTICES/ADVERTISING	5,675	9,500	3,608	9,500	4,500
101-101.000-910.000	PROFESSIONAL DEVELOPMENT	-	250	-	250	250
101-101.000-946.000	ENGINEERING/PROFESSIONAL SERV	25,384	31,500	23,838	31,500	24,000
101-101.000-955.000	SUNDRY	2,563	6,500	(696)	6,500	2,500
101-101.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	12,267	18,500	18,242	18,500	18,500
101-101.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	170,812	1,278,000	1,288,224	1,288,224	25,000
	Totals - Township Board	295,955	1,442,339	1,384,527	1,451,050	147,580
Dept 171.000 - Township Supervisor						
101-171.000-702.000	FULL-TIME EMPLOYEE SALARIES	12,492	10,300	7,512	10,300	11,100
101-171.000-703.200	ELECTED OFFICIALS SALARIES	80,762	84,475	58,792	80,453	84,475
101-171.000-709.000	TOWNSHIP FICA	7,193	7,300	5,104	7,300	7,400
101-171.000-716.000	DEFINED CONTRIBUTION	11,574	12,400	8,162	11,800	12,500
101-171.000-718.000	HEALTH/DENTAL/VISION INSURANCE	20,548	21,800	15,235	21,800	10,600
101-171.000-725.100	LONG/SHORT TERM DISABILITY	555	600	418	600	600
101-171.000-725.200	LIFE INSURANCE	102	100	57	100	100
101-171.000-853.000	PHONE/COMM/INTERNET	600	600	450	600	600
101-171.000-861.000	MILEAGE	-	500	650	650	650
101-171.000-967.000	SPECIAL PROJECTS	-	-	-	-	-
	Totals - Township Supervisor	133,827	138,075	96,380	133,603	173,025

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ESTIMATED APPROPRIATIONS						
Dept 201.000 - Accounting						
101-201.000-702.000	FULL-TIME EMPLOYEE SALARIES	250,348	205,500	142,394	205,500	235,000
101-201.000-709.000	TOWNSHIP FICA	19,440	15,700	10,927	15,700	18,000
101-201.000-712.000	PAY IN LIEU OF MEDICAL INS	4,500	-	-	-	-
101-201.000-713.000	OVERTIME	17	-	-	-	500
101-201.000-716.000	DEFINED CONTRIBUTION	32,395	27,000	18,039	27,000	30,500
101-201.000-718.000	HEALTH/DENTAL/VISION INSURANCE	35,033	68,600	51,796	68,600	68,500
101-201.000-725.100	LONG/SHORT TERM DISABILITY	1,307	1,400	898	1,400	1,300
101-201.000-725.200	LIFE INSURANCE	274	350	152	350	250
101-201.000-853.000	PHONE/COMM/INTERNET	150	600	450	600	600
101-201.000-861.000	MILEAGE	438	1,500	293	1,500	1,500
101-201.000-910.000	PROFESSIONAL DEVELOPMENT	1,719	8,500	4,264	8,500	8,500
101-201.000-914.000	TUITION REIMBURSEMENT	-	6,000	-	-	-
101-201.000-955.000	SUNDRY	120	250	19	250	100
101-201.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	1,184	2,000	673	2,000	1,000
	Totals - Accounting	346,925	337,400	229,907	331,400	365,750
Dept 215.000 - Clerk's Department						
101-215.000-702.000	FULL-TIME EMPLOYEE SALARIES	73,117	81,000	59,559	81,000	86,000
101-215.000-703.200	ELECTED OFFICIALS SALARIES	80,762	84,475	58,792	80,453	84,475
101-215.000-709.000	TOWNSHIP FICA	12,428	13,250	9,753	13,250	13,600
101-215.000-712.000	PAY IN LIEU OF MEDICAL INS	-	-	-	-	750
101-215.000-713.000	OVERTIME	7,508	7,500	8,702	9,500	6,000
101-215.000-716.000	DEFINED CONTRIBUTION	21,004	22,300	15,641	22,300	23,000
101-215.000-718.000	HEALTH/DENTAL/VISION INSURANCE	47,874	47,200	32,334	47,200	45,000
101-215.000-725.100	LONG/SHORT TERM DISABILITY	900	1,100	724	1,100	1,100
101-215.000-725.200	LIFE INSURANCE	186	200	104	200	200
101-215.000-853.000	PHONE/COMM/INTERNET	1,020	1,020	765	1,020	1,020
101-215.000-861.000	MILEAGE	317	1,200	77	1,200	1,500
101-215.000-910.000	PROFESSIONAL DEVELOPMENT	6,083	7,000	4,248	7,000	7,000
101-215.000-914.000	TUITION REIMBURSEMENT	-	-	-	-	2,000
101-215.000-931.000	EQUIPMENT MAINT/REPAIR	38	1,000	-	1,000	1,000
101-215.000-955.000	SUNDRY	2,210	2,000	1,189	2,000	3,000
101-215.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	944	2,000	1,569	2,000	2,000
101-215.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	5,000	6,000	-	6,000	159
	Totals - Clerk's Department	259,392	277,245	193,458	275,223	282,645

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ESTIMATED APPROPRIATIONS						
Dept 228.000 - Technical/Utilities						
101-228.000-702.000	FULL-TIME EMPLOYEE SALARIES	140,514	112,250	82,777	112,250	120,700
101-228.000-702.500	LEAVE TIME PAYOUT	1,336	850	821	850	900
101-228.000-704.000	PART-TIME EMPLOYEE SALARIES	11,310	-	-	-	-
101-228.000-709.000	TOWNSHIP FICA	11,945	8,700	6,591	8,700	9,400
101-228.000-712.000	PAY IN LIEU OF MEDICAL INS	3,000	3,000	2,250	3,000	3,000
101-228.000-713.000	OVERTIME	82	250	-	250	100
101-228.000-716.000	DEFINED CONTRIBUTION	16,594	14,000	9,449	14,000	14,400
101-228.000-718.000	HEALTH/DENTAL/VISION INSURANCE	17,173	9,900	6,906	9,900	9,900
101-228.000-725.100	LONG/SHORT TERM DISABILITY	838	700	528	700	700
101-228.000-725.200	LIFE INSURANCE	154	125	74	125	115
101-228.000-853.000	PHONE/COMM/INTERNET	-	420	315	420	420
101-228.000-861.000	MILEAGE	214	500	-	500	250
101-228.000-910.000	PROFESSIONAL DEVELOPMENT	-	500	-	500	250
101-228.000-955.000	SUNDRY	55	-	-	-	-
	Totals - Technical/Utilities	203,213	151,195	109,712	151,195	160,135
Dept 229.000 - Computer/Cable						
101-229.000-704.000	PART-TIME EMPLOYEE SALARIES	186	2,200	1,307	2,200	2,300
101-229.000-709.000	TOWNSHIP FICA	14	170	100	170	180
101-229.000-853.000	PHONE/COMM/INTERNET	3,801	-	-	-	-
101-229.000-933.000	SOFTWARE MAINTENANCE	74,468	120,000	125,707	126,000	130,000
101-229.000-946.000	ENGINEERING SERVICES	135	2,700	375	2,700	2,500
101-229.000-955.000	SUNDRY	22	250	-	250	250
101-229.000-980.000	CAPITAL EQUIPMENT	19,517	6,000	5,401	6,000	22,000
101-229.000-980.500	RESERVE FOR CABLE TV EQUIP PURCHASE	-	-	-	-	-
	Totals - Computer/Cable	98,144	131,320	132,891	137,320	157,230
Dept 247.000 - Board of Review						
101-247.000-704.100	PER DIEM	1,105	2,800	1,105	2,800	2,800
101-247.000-709.000	TOWNSHIP FICA	85	214	85	214	214
101-247.000-900.000	LEGAL NOTICES/ADVERTISING	315	500	140	500	500
101-247.000-955.000	SUNDRY	99	300	287	300	300
	Totals - Board of Review	1,603	3,814	1,617	3,814	3,814

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ESTIMATED APPROPRIATIONS						
Dept 253.000 - Treasurer						
101-253.000-702.000	FULL-TIME EMPLOYEE SALARIES	73,751	64,472	47,895	64,472	67,700
101-253.000-703.200	ELECTED OFFICIALS SALARIES	41,573	42,238	29,396	40,226	42,238
101-253.000-704.000	PART-TIME EMPLOYEE SALARIES	58,302	43,800	42,586	43,800	51,200
101-253.000-709.000	TOWNSHIP FICA	13,331	11,600	9,939	11,600	12,400
101-253.000-712.000	PAY IN LIEU OF MEDICAL INS	250	3,000	2,250	3,000	3,000
101-253.000-713.000	OVERTIME	236	5,400	7,267	8,000	4,000
101-253.000-716.000	DEFINED CONTRIBUTION	13,037	12,600	8,026	12,600	13,000
101-253.000-718.000	HEALTH/DENTAL/VISION INSURANCE	44,872	24,800	15,521	24,800	24,800
101-253.000-725.100	LONG/SHORT TERM DISABILITY	437	480	342	480	480
101-253.000-725.200	LIFE INSURANCE	97	150	51	150	150
101-253.000-851.000	POSTAGE	15,493	10,900	10,925	10,925	11,000
101-253.000-853.000	PHONE/COMM/INTERNET	970	1,020	765	1,020	1,020
101-253.000-861.000	MILEAGE	1,123	950	489	950	950
101-253.000-902.100	TAX ROLL PREP/TAX BILL PREP	2,090	4,750	-	4,750	4,900
101-253.000-910.000	PROFESSIONAL DEVELOPMENT	248	1,100	1,091	1,100	1,200
101-253.000-916.000	TRAINING	3,054	2,250	69	2,250	1,500
101-253.000-955.000	SUNDRY	236	200	56	200	1,000
101-253.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	692	750	145	750	750
101-253.000-980.500	RESERVE FOR EQUIPMENT PURCHASE	-	-	-	-	-
	Totals - Treasurer	269,793	230,460	176,813	231,073	241,288
Dept 257.000 - Assessing						
101-257.000-801.000	CONTRACTUAL SERVICES	323,924	330,500	280,189	330,500	354,000
101-257.000-902.200	ASSESSMENT ROLL PREP	5,737	6,500	4,988	6,500	6,500
101-257.000-955.000	SUNDRY	-	-	984	984	1,000
	Totals - Assessing	329,661	337,000	286,161	337,984	361,500

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ESTIMATED APPROPRIATIONS						
Dept 262.000 - Elections						
101-262.000-702.000	FULL-TIME EMPLOYEE SALARIES	100,925	111,100	78,593	111,100	119,000
101-262.000-707.000	TEMPORARY EMPLOYEES	66,784	100,000	44,978	100,000	110,000
101-262.000-709.000	TOWNSHIP FICA	10,304	18,250	8,622	18,250	18,000
101-262.000-712.000	PAY IN LIEU OF MEDICAL INS	-	-	-	-	2,250
101-262.000-713.000	OVERTIME	9,954	25,000	15,382	25,000	30,000
101-262.000-716.000	DEFINED CONTRIBUTION	14,264	18,000	10,665	18,000	16,200
101-262.000-718.000	HEALTH/DENTAL/VISION INSURANCE	42,069	36,900	23,573	36,900	31,000
101-262.000-725.100	LONG/SHORT TERM DISABILITY	644	725	520	725	800
101-262.000-725.200	LIFE INSURANCE	172	250	93	250	250
101-262.000-752.001	SUPPLIES FOR ELECTIONS	20,969	47,000	53,230	53,230	60,000
101-262.000-861.000	MILEAGE	361	4,000	457	4,000	1,000
101-262.000-900.000	LEGAL NOTICES/ADVERTISING	210	13,000	80	13,000	2,000
101-262.000-910.000	PROFESSIONAL DEVELOPMENT	3,892	11,800	13,578	13,578	7,000
101-262.000-931.000	EQUIPMENT MAINT/REPAIR	7,838	10,000	8,984	10,000	10,000
101-262.000-955.000	SUNDRY	12,928	15,000	807	15,000	15,000
101-262.000-980.000	OFFICE EQUIP & FURNITURE	3,531	5,000	-	5,000	16,000
101-262.000-980.500	RESERVE FOR EQUIPMENT PURCHASE	-	5,000	-	5,000	5,000
	Totals - Elections	294,844	421,025	259,564	429,033	443,500
Dept 265.000 - Township Buildings						
101-265.000-702.000	FULL-TIME EMPLOYEE SALARIES	74,179	93,300	73,090	93,300	117,900
101-265.000-702.500	LEAVE TIME PAYOUT	-	250	205	250	225
101-265.000-704.000	PART-TIME EMPLOYEE SALARIES	77,381	94,250	60,605	94,250	100,700
101-265.000-709.000	TOWNSHIP FICA	13,590	17,000	11,207	17,000	17,100
101-265.000-713.000	OVERTIME	5,403	3,500	2,581	3,500	3,500
101-265.000-716.000	DEFINED CONTRIBUTION	12,139	10,500	9,029	10,500	10,700
101-265.000-718.000	HEALTH/DENTAL/VISION INSURANCE	31,314	29,500	24,960	29,500	29,500
101-265.000-725.100	LONG/SHORT TERM DISABILITY	659	750	724	750	750
101-265.000-725.200	LIFE INSURANCE	182	200	144	200	160
101-265.000-752.000	SUPPLIES & SMALL EQUIPMENT	8,655	7,000	5,824	7,000	9,000
101-265.000-758.000	DIESEL FUEL	3,424	4,000	2,096	4,000	4,000
101-265.000-759.000	VEHICLE FUEL	8,110	8,000	5,157	8,000	8,000
101-265.000-768.000	UNIFORMS/ACCESSORIES	3,370	2,500	899	2,500	2,000
101-265.000-801.000	CONTRACTUAL SERVICES	1,896	2,000	1,507	2,000	2,000
101-265.000-853.000	PHONE/COMM/INTERNET	385	420	315	420	162
101-265.000-861.000	MILEAGE	-	250	-	250	250

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ESTIMATED APPROPRIATIONS						
101-265.000-910.000	PROFESSIONAL DEVELOPMENT	841	750	(1,246)	750	1,000
101-265.000-917.000	SEWER USAGE	3,359	4,500	3,471	4,500	4,703
101-265.000-919.000	TRASH DISPOSAL	1,549	1,700	919	1,700	1,800
101-265.000-920.000	ELECTRIC	18,584	21,000	12,007	21,000	20,000
101-265.000-921.000	NATURAL GAS/HEAT	5,923	6,000	3,232	6,000	6,000
101-265.000-930.000	MAINTENANCE TWP HALL	13,342	13,000	14,810	16,000	12,000
101-265.000-930.003	MAINTENANCE FIRE HALL	-	25,000	25,000	25,000	-
101-265.000-930.004	MAINTENANCE DPW GARAGE/OLD PACKR	5,525	1,000	-	1,000	2,000
101-265.000-930.008	MAINTENANCE LIBRARY	1,060	1,500	1,138	1,500	1,500
101-265.000-930.020	MAINTENANCE - FERTILIZER	1,269	1,500	544	1,500	1,500
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	8,368	10,500	9,316	10,500	10,000
101-265.000-932.000	VEHICLE MAINTENANCE	11,689	10,500	9,866	10,500	12,000
101-265.000-955.000	SUNDRY	1,232	500	235	500	500
101-265.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	55,393	280,000	279,911	280,000	75,000
101-265.000-980.100	ARPA FUNDS STORAGE FACILITY	162,998	-	-	-	-
101-265.000-981.000	CAPITAL EXPENSE - VEHICLE	47,303	-	-	-	-
101-265.000-981.500	RESERVE FOR VEHICLE PURCHASE	-	5,000	-	5,000	5,000
	Totals - Township Buildings	579,121	655,870	557,544	658,870	459,208
Dept 275.000 - Other Expenses						
101-275.000-704.200	PORTAGE/BASE LAKES GROSS WAGES	500	1,500	600	1,500	1,500
101-275.000-708.000	UNEMPLOYMENT COMPENSATION	470	1,800	1,641	1,800	6,000
101-275.000-709.000	TOWNSHIP FICA	39	115	46	115	115
101-275.000-718.500	HEALTH CARE REIMBURSEMENT	79,823	80,000	47,125	80,000	85,000
101-275.000-727.000	WORKERS' COMPENSATION	4,084	10,000	9,416	10,000	12,500
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	23,102	22,000	20,789	22,000	22,000
101-275.000-759.000	VEHICLE FUEL	-	1,800	1,346	1,800	2,250
101-275.000-801.000	CONTRACTUAL SERVICES	7,029	12,500	-	12,500	12,500
101-275.000-840.000	LIABILITY/CASUALTY INSURANCE	22,010	30,000	28,314	30,000	30,000
101-275.000-851.000	POSTAGE	11,269	15,000	12,080	15,000	16,000
101-275.000-853.000	PHONE/COMM/INTERNET	3,595	7,500	5,807	7,500	7,800
101-275.000-910.000	PROFESSIONAL DEVELOPMENT	3,681	2,200	-	2,200	2,200
101-275.000-931.000	EQUIPMENT MAINT/REPAIR	1,475	4,000	3,794	4,000	4,500
101-275.000-946.000	ENGINEERING SERVICES	300	3,500	-	3,500	3,500
101-275.000-953.000	PAYROLL PROCESSING	16,843	18,000	4,793	18,000	
101-275.000-954.000	AUDIT	29,640	47,700	47,695	47,700	
101-275.000-955.000	SUNDRY	6,774	7,000	10,168	11,500	12,000

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ESTIMATED APPROPRIATIONS						
101-275.000-957.207	TRANSFER OUT - POLICE FUND	-	-	-	-	250,000
101-275.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	2,519	2,000	248	2,000	2,000
101-275.000-960.000	FOIA EXPENSES	98	100	115	200	200
101-275.000-980.000	OFFICE EQUIP & FURNITURE	-	22,000	799	22,000	7,000
101-275.000-995.208	TRANSFER OUT RECREATION FUND	266,667	595,831	496,526	595,831	-
101-275.000-995.591	TRANSFER OUT WATER FUND	154,000	154,000	128,333	154,000	154,000
	Totals - Other Expenses	633,918	1,038,546	819,635	1,043,146	679,065
Dept 345.000 - Public Safety (Police & Fire)						
101-345.000-704.100	PER DIEM	715	1,040	650	1,040	1,040
101-345.000-709.000	TOWNSHIP FICA	55	80	50	80	80
	Totals - Public Safety (Police & Fire)	770	1,120	700	1,120	1,120
Dept 448.000 - Street Lighting						
101-448.000-926.000	STREET LIGHTING	14,942	17,500	10,851	17,500	17,500
	Totals - Street Lighting	14,942	17,500	10,851	17,500	17,500
Dept 567.000 - Cemetery						
101-567.000-704.000	PART-TIME EMPLOYEE SALARIES	17,780	18,000	12,385	18,000	18,000
101-567.000-709.000	TOWNSHIP FICA	1,387	1,409	964	1,409	1,500
101-567.000-801.000	CONTRACTUAL SERVICES	25,550	31,200	28,920	31,200	35,000
101-567.000-853.000	PHONE/COMM/INTERNET	420	420	245	420	-
101-567.000-930.000	MAINTENANCE	-	-	-	-	15,000
101-567.000-931.000	EQUIPMENT MAINT/REPAIR	1,696	4,000	1,139	4,000	-
101-567.000-949.500	MAUSOLEUM MARKETING EXPENSE	-	-	-	-	1,000
101-567.000-955.000	SUNDRY	7,573	7,000	5,678	7,000	10,000
101-567.000-980.000	OFFICE EQUIP & FURNITURE	-	1,000	-	1,000	1,000
101-567.000-980.001	CAPITAL EQUIPMENT/CAPITAL IMP	-	-	-	-	25,000
	Totals - Cemetery	54,406	63,029	49,331	63,029	106,500

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ESTIMATED APPROPRIATIONS						
Dept 701.000 - Planning Commission						
101-701.000-704.000	PART-TIME EMPLOYEE SALARIES	470	-	-	-	-
101-701.000-704.100	PER DIEM	3,305	5,640	1,555	5,640	5,640
101-701.000-709.000	TOWNSHIP FICA	289	430	139	430	430
101-701.000-752.000	SUPPLIES & SMALL EQUIPMENT	-	-	-	-	1,600
101-701.000-826.000	LEGAL FEES	-	1,000	-	1,000	1,000
101-701.000-900.000	LEGAL NOTICES/ADVERTISING	645	500	350	500	750
101-701.000-910.000	PROFESSIONAL DEVELOPMENT	-	500	-	500	500
	Totals - Planning Commission	4,709	8,070	2,044	8,070	9,920
Dept 702.000 - Planning & Zoning						
101-702.000-702.000	FULL-TIME EMPLOYEE SALARIES	116,599	138,600	107,063	138,600	142,500
101-702.000-704.000	PART-TIME EMPLOYEE SALARIES	39,309	31,500	18,966	31,500	33,000
101-702.000-704.100	PER DIEM	3,415	4,020	1,480	4,020	4,020
101-702.000-709.000	TOWNSHIP FICA	13,345	13,400	9,812	13,400	14,000
101-702.000-712.000	PAY IN LIEU OF MEDICAL INS	750	-	-	-	-
101-702.000-713.000	OVERTIME	527	-	-	-	-
101-702.000-716.000	DEFINED CONTRIBUTION	14,045	15,500	11,813	15,500	16,000
101-702.000-718.000	HEALTH/DENTAL/VISION INSURANCE	35,253	44,000	25,810	44,000	44,000
101-702.000-725.100	LONG/SHORT TERM DISABILITY	710	880	658	880	880
101-702.000-725.200	LIFE INSURANCE	169	170	109	170	170
101-702.000-826.000	LEGAL FEES	14,870	10,000	1,751	10,000	10,000
101-702.000-853.000	PHONE/COMM/INTERNET	1,005	1,020	765	1,020	1,200
101-702.000-861.000	MILEAGE	148	200	-	200	200
101-702.000-900.000	LEGAL NOTICES/ADVERTISING	2,370	2,000	2,490	3,400	3,500
101-702.000-910.000	PROFESSIONAL DEVELOPMENT	1,049	2,500	70	2,500	2,500
101-702.000-914.000	TUITION REIMBURSEMENT	3,001	6,000	4,063	6,000	6,000
101-702.000-946.000	ENGINEERING SERVICES	-	3,000	-	3,000	3,000
101-702.000-951.000	STORM WATER DISCHARGE	500	500	500	500	500
101-702.000-955.000	SUNDRY	569	300	266	300	300
101-702.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	413	2,500	-	2,500	2,500
101-702.000-981.500	RESERVE FOR VEHICLE PURCHASE	-	-	-	-	2,000
	Totals - Planning & Zoning	248,046	276,090	185,614	277,490	286,270

HAMBURG TOWNSHIP GENERAL FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
Dept 703.000 - Lakes, Rivers & Streams						
101-703.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	-				
101-703.000-967.000	SPECIAL PROJECTS	56,100	25,000	25,001	25,001	25,000
	Totals - Lakes, Rivers & Streams	56,100	25,000	25,001	25,001	25,000
Dept 751.000 - Recreation Board						
101-751.000-702.000	FULL-TIME EMPLOYEE SALARIES	37,436	42,200	30,815	42,200	45,500
101-751.000-704.000	PART-TIME EMPLOYEE SALARIES	7,914	7,180	6,484	8,500	22,200
101-751.000-704.100	PER DIEM	2,871	3,900	975	3,900	4,000
101-751.000-709.000	TOWNSHIP FICA	3,605	3,900	2,928	3,900	5,500
101-751.000-713.000	OVERTIME	66	-	-	-	-
101-751.000-716.000	DEFINED CONTRIBUTION	4,875	5,500	3,709	5,500	6,000
101-751.000-718.000	HEALTH/DENTAL/VISION INSURANCE	17,836	17,300	12,086	17,300	18,500
101-751.000-725.100	LONG/SHORT TERM DISABILITY	290	280	211	280	300
101-751.000-725.200	LIFE INSURANCE	75	100	55	100	150
101-751.000-727.000	WORKERS' COMPENSATION	451	920	914	914	2,000
101-751.000-752.000	SUPPLIES & SMALL EQUIPMENT	3,527	3,600	978	3,600	4,000
101-751.000-758.000	DIESEL FUEL	2,233	2,000	1,513	2,000	-
101-751.000-809.000	JANITORIAL SERVICES	325	-	-	-	-
101-751.000-826.000	LEGAL FEES	153	500	34	500	-
101-751.000-840.000	LIABILITY/CASUALTY INSURANCE	(114)	900	865	865	1,000
101-751.000-900.000	LEGAL NOTICES/ADVERTISING	479	500	-	500	-
101-751.000-900.100	PRINTING	-	1,500	-	1,500	1,000
101-751.000-910.000	PROFESSIONAL DEVELOPMENT	1,083	2,500	1,454	2,500	2,500
101-751.000-917.000	SEWER USAGE	467	650	482	650	-
101-751.000-919.000	TRASH DISPOSAL	1,966	2,200	1,466	2,200	-
101-751.000-920.000	ELECTRIC	2,727	2,500	3,139	4,200	-
101-751.000-921.000	NATURAL GAS/HEAT	56	100	-	100	-
101-751.000-930.005	MAINTENANCE PARK FACILITIES	21,691	100,000	17,205	100,000	25,000
101-751.000-930.015	RESERVE FOR PARKS MAINTENANCE	835	4,500	4,500	4,500	-
101-751.000-930.020	SPORTS FIELD MAINTENANCE	15,838	15,000	12,573	15,000	15,000
101-751.000-930.200	PLAYGROUND MAINTENANCE & REPAIR	129,568	5,000	-	5,000	-
101-751.000-930.300	PLAYGROUND & ADULT WORKOUT RESERVE	610	1,000	-	1,000	-
101-751.000-942.000	PORTABLE TOILETS	17,038	30,000	15,573	30,000	30,000
101-751.000-943.000	TOWNSHIP COMMUNITY EVENTS	3,291	7,500	400	7,500	7,500
101-751.000-946.000	ENGINEERING & PLANNING SERVICES	14,376	20,000	-	20,000	166
101-751.000-955.000	SUNDRY	795	2,000	-	2,000	2,000

HAMBURG TOWNSHIP GENERAL FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
101-751.000-955.278	EVERY CHILD SHALL PLAY SCHOLARSHIP	-	500	375	500	500
101-751.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	500	750	95	750	750
101-751.000-967.600	WINKELHAUS PARK	477	1,000	-	1,000	1,000
101-751.000-967.700	SPECIAL PROJECTS - PARKING LOTS	-	-	-	-	190,000
101-751.000-967.962	SPECIAL PROJECTS - MISC IMPROVEMENT	37,644	50,000	5,186	50,000	50,000
101-751.000-975.300	GRANT MATCH	-	260,000	-	260,000	205,000
101-751.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	20,000	25,000	-	25,000	37,500
101-751.000-980.500	RESERVE FOR EQUIPMENT PURCHASE	13,776	-	-	-	-
	Totals - Recreation Board	364,760	620,480	124,014	623,459	676,900
Dept 800.000 - Lakeland Trail						
101-800.000-826.000	LEGAL FEES	-	500	-	500	500
101-800.000-840.000	LIABILITY/CASUALTY INSURANCE	201	250	167	250	250
101-800.000-920.000	ELECTRIC	221	300	89	300	300
101-800.000-938.000	LAKELAND TRAIL MAINTENANCE	22,027	50,000	1,445	50,000	50,000
101-800.000-938.500	LL TRAIL RAILROAD MAINT FEE	1,000	1,000	1,000	1,000	1,000
101-800.000-942.000	PORTABLE TOILETS	10,824	22,000	17,216	22,000	24,000
101-800.000-946.000	ENGINEERING SERVICES	9,532	-	-	-	-
101-800.000-955.000	SUNDRY	500	500	-	500	500
101-800.000-975.300	GRANT MATCH	160,331	20,000	-	20,000	20,000
101-800.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	-	4,000	-	4,000	4,000
	Totals - Lakeland Trail	204,637	98,550	19,918	98,550	100,550
Dept 820.000 - Senior Center						
101-820.000-702.000	FULL-TIME EMPLOYEE SALARIES	49,882	61,365	46,132	61,365	66,000
101-820.000-702.500	LEAVE TIME PAYOUT	-	-	-	-	-
101-820.000-704.000	PART-TIME EMPLOYEE SALARIES	41,107	52,500	39,220	52,500	56,500
101-820.000-709.000	TOWNSHIP FICA	7,144	8,800	6,564	8,800	10,000
101-820.000-713.000	OVERTIME	287	250	-	250	250
101-820.000-716.000	DEFINED CONTRIBUTION	6,522	8,100	5,614	8,100	9,000
101-820.000-718.000	HEALTH/DENTAL/VISION INSURANCE	20,565	24,700	17,265	24,700	26,000
101-820.000-725.100	LONG/SHORT TERM DISABILITY	325	350	260	350	400
101-820.000-725.200	LIFE INSURANCE	88	81	37	81	100
101-820.000-727.000	WORKERS' COMPENSATION	-	-	-	-	-
101-820.000-752.000	SUPPLIES & SMALL EQUIPMENT	4,522	6,000	5,268	7,000	7,000
101-820.000-801.000	CONTRACTUAL SERVICES	18,301	22,000	16,405	22,000	167
101-820.000-804.000	SENIOR PROGRAMS	7,136	9,000	7,462	9,000	9,000

HAMBURG TOWNSHIP GENERAL FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
101-820.000-840.000	LIABILITY/CASUALTY INSURANCE	2,661	2,700	2,512	2,512	2,500
101-820.000-853.000	PHONE/COMM/INTERNET	4,172	4,100	2,986	4,100	4,100
101-820.000-860.000	TRANSPORTATION	1,736	-	-	-	-
101-820.000-900.200	NEWSLETTER/PUBLICATIONS	-	1,000	126	1,000	6,000
101-820.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	-	-	-	-	80,000
101-820.000-910.000	PROFESSIONAL DEVELOPMENT	-	1,000	75	1,000	1,000
101-820.000-917.000	SEWER USAGE	1,316	1,750	1,360	1,750	1,750
101-820.000-919.000	TRASH DISPOSAL	1,920	2,000	1,408	2,000	2,000
101-820.000-920.000	ELECTRIC	4,860	4,500	3,762	4,500	4,500
101-820.000-921.000	NATURAL GAS/HEAT	3,175	3,000	1,000	3,000	3,000
101-820.000-930.001	MAINTENANCE COMM CENTER	9,034	55,500	54,874	55,500	10,000
101-820.000-930.020	MAINTENANCE - FERTILIZER	272	500	272	500	500
101-820.000-931.000	EQUIPMENT MAINT/REPAIR	1,062	7,000	6,397	7,000	7,000
101-820.000-937.000	IMPROVEMENTS	1,995	2,000	-	2,000	15,000
101-820.000-955.000	SUNDRY	276	1,000	367	1,000	1,000
101-820.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	117	750	874	1,000	1,000
101-820.000-975.300	GRANT MATCH	-	7,000	6,652	7,000	20,000
101-820.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	20,139	33,500	38,063	40,000	20,000
	Totals - Senior Center	208,612	320,446	264,954	328,008	387,600
	TOTAL ESTIMATED APPROPRIATIONS	4,603,377	6,594,574	4,930,635	6,625,938	5,086,100
NET OF REVENUES/APPROPRIATIONS - FUND 101		803,649	134,066	247,540	109,410	(246,126)
BEGINNING FUND BALANCE		5,693,635	6,497,284	6,497,284	6,497,284	6,606,695
ENDING FUND BALANCE		6,497,284	6,631,350	6,744,825	6,606,695	6,360,569

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HAMBURG TOWNSHIP
ROAD FUND FINANCIAL PROJECTION

Item 15.

	ACTUAL FY 2022/23	PROJECTED FY 2023/24	PROJECTED FY 2024/25	PROJECTED FY 2025/26	PROJECTED FY 2026/27	PROJECTED FY 2027/28	PROJECTED FY 2028/29	PROJECTED FY 2029/30	PROJECTED FY 2030/31	PROJECTED FY 2031/32	PROJECTED FY 2032/33	PROJECTED FY 2033/34
Property Tax Revenue	1,209,476	663,828	696,319	731,135	767,692	806,076	846,380	888,699	933,134	979,791	1,028,780	1,080,219
Other Revenue	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	25,517	13,500	15,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Total Revenue	1,234,993	677,328	711,319	734,135	770,692	809,076	849,380	891,699	936,134	982,791	1,031,780	1,083,219
Expenditures	1,320,900	723,840	742,900	660,000	660,000	660,000	660,000	660,000	660,000	660,000	660,000	660,000
Excess of Revenue Over (Under) Expenditures	(83,327)	(46,512)	(31,581)	74,135	110,692	149,076	189,380	231,699	276,134	322,791	371,780	423,219
Beginning Fund Balance	1,303,675	1,220,348	1,173,836	1,173,836	1,142,255	1,247,971	1,252,947	1,397,047	1,442,327	1,628,746	1,718,461	1,951,537
Ending Fund Balance	\$ 1,220,348	\$ 1,173,836	\$ 1,142,255	\$ 1,247,971	\$ 1,252,947	\$ 1,397,047	\$ 1,442,327	\$ 1,628,746	\$ 1,718,461	\$ 1,951,537	\$ 2,090,241	\$ 2,374,756

Millage voted November 2016
Levied on December 1 collected through February 28

Millage renewal December of 20 for levy on 12/1/21

HAMBURG TOWNSHIP ROAD FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
204-000.000-402.000	CURRENT PROPERTY TAX	1,207,338	658,599	659,828	659,828	692,819
204-000.000-412.000	DELINQUENT PP TAX	2,359	4,000	3,697	4,000	3,500
204-000.000-415.000	CHARGE BACKS/MTT/BOARD OF REVIEW	(221)	-	(201)	-	-
204-000.000-664.000	INTEREST REVENUE	25,517	13,500	10,951	13,500	15,000
204-000.000-699.101	TRANSFER IN 101-OPERATIONS	-	-	-	-	-
204-000.000-699.373	TRANS IN FROM HURON RIVER	-	-	-	-	-
	TOTAL ESTIMATED REVENUES	1,234,993	676,099	674,274	677,328	711,319
ESTIMATED APPROPRIATIONS						
204-000.000-801.000	CONTRACTUAL SERVICES	2,407	2,840	2,840	2,840	2,900
204-000.000-802.000	ROAD IMPROVEMENT	1,275,710	631,000	577,551	631,000	650,000
204-000.000-805.000	CHLORIDING	42,783	90,000	29,917	90,000	90,000
	TOTAL ESTIMATED APPROPRIATIONS	1,320,900	723,840	610,308	723,840	742,900
NET OF REVENUES/APPROPRIATIONS - FUND 204		(83,327)	(47,741)	63,967	(46,512)	(31,581)
BEGINNING FUND BALANCE		1,303,675	1,220,348	1,220,348	1,220,348	1,173,836
ENDING FUND BALANCE		1,220,348	1,172,607	1,284,314	1,173,836	1,142,255

HAMBURG TOWNSHIP
FIRE FUND FINANCIAL PROJECTION

Item 15.

	ACTUAL FY 2022/23	PROJECTED FY 2023/24	PROJECTED FY 2024/25	PROJECTED FY 2025/26	PROJECTED FY 2026/27	PROJECTED FY 2027/28	PROJECTED FY 2028/29	PROJECTED FY 2029/30	PROJECTED FY 2030/31	PROJECTED FY 2031/32	PROJECTED FY 2032/33	PROJECTED FY 2033/34
REVENUES:												
PROPERTY TAXES	2,065,774	2,205,498	3,189,694	3,349,179	3,516,638	3,692,469	3,877,093	4,070,948	4,274,495	4,488,220	4,712,631	4,948,262
TRANSFER IN FROM GENERAL FUND	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER	37,361	6,700	5,150	5,253	5,358	5,465	5,575	5,686	5,800	5,916	6,034	6,155
TOTAL REVENUES & TRANSFERS	\$ 2,103,135	\$ 2,212,198	\$ 3,194,844	\$ 3,354,432	\$ 3,521,996	\$ 3,697,935	\$ 3,882,668	\$ 4,076,634	\$ 4,280,295	\$ 4,494,135	\$ 4,718,665	\$ 4,954,417
EXPENDITURES:												
SALARIES AND WAGES	1,323,183	1,447,850	1,707,500	1,792,875	1,882,519	1,976,645	2,075,477	2,179,251	2,288,213	2,402,624	2,522,755	2,648,893
HEALTH INSURANCE	119,048	129,700	273,000	286,650	300,983	316,032	331,833	348,425	365,846	384,138	403,345	423,513
RETIREMENT	69,992	78,000	140,000	147,000	154,350	162,068	170,171	178,679	187,613	196,994	206,844	217,186
FICA	101,767	114,000	131,000	137,155	144,013	151,213	158,774	166,713	175,048	183,801	192,991	202,640
OTHER PERSONNEL COSTS	23,562	48,934	61,100	62,322	63,568	63,568	64,840	66,137	67,459	68,809	70,185	71,588
OTHER OPERATING COSTS	546,005	930,585	738,250	290,000	304,500	319,725	335,711	352,497	370,122	388,628	408,059	428,462
OTHER CAPITAL EQUIPMENT PURCHASES	201,310	162,809	119,000	129,000	129,500	55,000	200,000	80,500	150,500	80,500	355,000	55,500
CAPITAL PURCHASES FOR APPARATUS	93,628	45,000	25,000	98,000	750,000	130,000	70,000	-	-	800,000	80,000	-
TOTAL EXPENDITURES	\$ 2,478,495	\$ 2,956,878	\$ 3,194,850	\$ 2,943,002	\$ 3,729,432	\$ 3,174,251	\$ 3,406,806	\$ 3,372,201	\$ 3,604,802	\$ 4,505,493	\$ 4,239,179	\$ 4,047,782
OPERATING SURPLUS (SHORTFALL)	\$ (375,361)	\$ (744,681)	\$ (7)	\$ 411,429	\$ (207,438)	\$ 523,683	\$ 475,860	\$ 704,431	\$ 675,492	\$ (11,359)	\$ 479,485	\$ 906,634
FUND BALANCE - BEGINNING OF YEAR	\$ 1,576,947	\$ 1,201,586	\$ 456,905	\$ 456,898	\$ 868,327	\$ 660,889	\$ 1,184,573	\$ 1,660,433	\$ 2,364,865	\$ 3,040,356	\$ 3,028,997	\$ 3,508,482
FUND BALANCE - END OF YEAR	1,201,586	456,905	456,898	868,327	660,889	1,184,573	1,660,433	2,364,865	3,040,356	3,028,997	3,508,482	4,415,116
OTHER DESIGNATED FUND BALANCE **	29,022	29,022	29,022	29,022	29,022	29,022	29,022	29,022	29,022	29,022	29,022	29,022
UNDESIGNATED FUND BALANCE	\$ 1,172,564	\$ 427,883	\$ 427,876	\$ 839,305	\$ 631,867	\$ 1,155,551	\$ 1,631,411	\$ 2,335,842	\$ 3,011,332	\$ 2,999,972	\$ 3,479,456	\$ 4,386,089
Board Resolution FB 25% of operating expense	619,624	739,220	798,713	735,750	932,358	793,563	851,702	843,050	901,201	1,126,373	1,059,795	1,011,946
Difference	581,963	(282,314)	(341,814)	132,577	(271,469)	391,010	808,732	1,521,814	2,139,156	1,902,624	2,448,687	3,403,170

** Committed Fund Balances, Assets held for resale, prepaid

*** Millage expires in 12/2025

HAMBURG TOWNSHIP FIRE FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
206-000.000-402.000	CURRENT PROPERTY TAX	2,061,079	2,199,046	2,199,046	2,199,046	3,183,194
206-000.000-412.000	DELINQUENT PP TAX	619	100	1	100	100
206-000.000-415.000	CHARGE BACKS/MTT/BOARD OF REVIEW	(381)	(500)	(343)	(500)	(500)
206-000.000-441.000	PERS PROPERTY TAX REIMB - STATE OF MI	4,457	5,000	6,852	6,852	6,900
206-000.000-628.000	FIRE INSPECTION FEES	300	100	100	100	100
206-000.000-636.000	COPIES/MAPS	(419)	50	10	50	50
206-000.000-664.000	INTEREST REVENUE	35,725	11,000	1,419	1,500	2,000
206-000.000-674.000	CONTRIBUTIONS/DONATIONS/GRANTS	-	2,500	150	2,500	1,000
206-000.000-676.000	REIMBURSEMENTS & COST RECOVERY	1,250	1,500	-	1,500	1,000
206-000.000-677.000	SUNDRY	505	1,050	1,023	1,050	1,000
	TOTAL ESTIMATED REVENUES	2,103,135	2,219,846	2,208,258	2,212,198	3,194,844
ESTIMATED APPROPRIATIONS						
206-000.000-702.000	FULL-TIME EMPLOYEE SALARIES	482,226	536,000	404,613	536,000	960,000
206-000.000-702.500	LEAVE TIME PAYOUT	2,561	4,750	2,756	4,750	5,000
206-000.000-704.000	PART-TIME EMPLOYEE SALARIES	36,786	38,500	29,260	38,500	50,000
206-000.000-704.500	PART TIME FIRE FIGHTERS	619,915	597,500	527,806	680,000	489,000
206-000.000-709.000	TOWNSHIP FICA	101,767	103,000	85,213	114,000	131,000
206-000.000-712.000	PAY IN LIEU OF MEDICAL INS	4,200	4,200	2,550	4,200	4,200
206-000.000-713.000	OVERTIME	170,136	150,000	125,809	170,000	190,000
206-000.000-714.000	LONGEVITY PAY	11,559	18,600	18,523	18,600	13,500
206-000.000-716.000	DEFINED CONTRIBUTION	69,992	78,000	55,331	78,000	140,000
206-000.000-718.000	HEALTH/DENTAL/VISION INSURANCE	114,848	125,500	88,020	125,500	273,000
206-000.000-725.100	LONG/SHORT TERM DISABILITY	7,182	7,700	7,320	7,700	10,000
206-000.000-725.200	LIFE INSURANCE	550	600	434	600	1,100
206-000.000-727.000	WORKERS' COMPENSATION	15,830	40,700	40,634	40,634	50,000
206-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	21,334	30,000	20,308	30,000	30,000
206-000.000-754.000	MEDICAL AND SCENE SUPPLIES	27,823	25,000	17,683	25,000	25,000
206-000.000-758.000	DIESEL FUEL	377	550	365	550	750
206-000.000-759.000	VEHICLE FUEL	36,576	30,000	25,165	33,500	38,000

HAMBURG TOWNSHIP FIRE FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
206-000.000-768.000	UNIFORMS/ACCESSORIES	25,734	15,200	15,299	20,000	20,000
206-000.000-768.100	TURN OUT GEAR	46,083	45,000	38,567	50,000	40,000
206-000.000-801.000	CONTRACTUAL SERVICES	27,017	35,000	22,896	35,000	30,000
206-000.000-826.000	LEGAL FEES	745	8,000	1,405	8,000	8,000
206-000.000-840.000	LIABILITY/CASUALTY INSURANCE	38,656	50,200	50,201	50,201	51,000
206-000.000-843.100	EMPLOYEE PHYSICALS/VACCINATION	24,170	28,000	19,868	28,000	30,000
206-000.000-853.000	PHONE/COMM/INTERNET	8,508	15,000	7,676	15,000	12,000
206-000.000-870.000	HAZMAT YEARLY DUES	3,000	4,000	-	4,000	4,500
206-000.000-914.000	TUITION REIMBURSEMENT	-	30,000	-	-	30,000
206-000.000-916.000	TRAINING	24,807	30,000	22,648	30,000	30,000
206-000.000-916.500	FIRE PREVENTION	2,496	7,500	1,862	7,500	7,500
206-000.000-917.000	SEWER USAGE	1,866	2,600	1,928	2,600	2,600
206-000.000-918.000	WATER USAGE	1,376	4,200	3,716	4,200	4,200
206-000.000-919.000	TRASH DISPOSAL	3,808	3,500	2,493	3,500	3,500
206-000.000-920.000	ELECTRIC	43,289	40,000	21,164	40,000	40,000
206-000.000-920.100	SIREN ELECTRIC USAGE	1,681	2,000	1,223	2,000	2,000
206-000.000-921.000	NATURAL GAS/HEAT	-	10,000	5,699	10,000	10,000
206-000.000-930.003	MAINTENANCE FIRE HALL	124,223	245,500	235,318	245,500	65,000
206-000.000-930.020	MAINTENANCE - FERTILIZER	1,510	2,500	840	2,500	2,500
206-000.000-931.000	EQUIPMENT MAINT/REPAIR	17,638	14,000	(5,289)	14,000	25,000
206-000.000-931.100	EMERGENCY SIREN MAINTENANCE/REPAIRS	767	4,000	1,322	4,000	4,000
206-000.000-932.000	VEHICLE MAINTENANCE	43,497	77,500	32,231	77,500	75,000
206-000.000-933.000	SOFTWARE MAINTENANCE	5,793	5,000	4,184	5,000	5,000
206-000.000-955.000	SUNDRY	1,888	3,000	322	3,000	3,500
206-000.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	7,021	10,000	6,681	10,000	10,000
206-000.000-967.000	SPECIAL PROJECTS	4,325	166,000	170,034	170,034	125,000
206-000.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	201,310	160,500	162,809	162,809	119,000
206-000.000-981.000	CAPITAL EXPENSE - VEHICLE	93,628	45,000	37,648	45,000	25,000
	TOTAL ESTIMATED APPROPRIATIONS	2,478,495	2,853,800	2,314,535	2,956,878	3,194,850
NET OF REVENUES/APPROPRIATIONS - FUND 206		(375,360)	(633,954)	(106,277)	(744,680)	(6)
BEGINNING FUND BALANCE		1,576,947	1,201,587	1,201,587	1,201,587	456,907
ENDING FUND BALANCE		1,201,587	567,633	1,095,309	456,907	456,900

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HAMBURG TOWNSHIP
POLICE FUND FINANCIAL PROJECTION

Item 15.

	ACTUAL FY 2022/23	PROJECTED FY 2023/24	PROJECTED FY 2024/25	PROJECTED FY 2025/26	PROJECTED FY 2026/27	PROJECTED FY 2027/28	PROJECTED FY 2028/29	PROJECTED FY 2029/30	PROJECTED FY 2030/31	PROJECTED FY 2031/32	PROJECTED FY 2032/33	PROJECTED FY 2033/34
REVENUES:												
PROPERTY TAXES	2,976,999	3,184,228	3,390,859	3,560,402	3,738,422	3,925,343	4,121,610	4,327,691	4,544,075	4,771,279	5,009,843	5,260,335
TRANSFER FROM GENERAL FUND - OPERATING	-	-	250,000	250,000	250,000	-	-	-	-	-	-	-
TRANSFER FROM FORFEITURE	-	-	-	-	-	-	-	-	-	-	-	-
TRANS FROM G/F - BLDG DEBT	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER	67,805	78,027	105,110	107,212	109,356	111,544	113,774	116,050	118,371	120,738	123,153	125,616
TOTAL REVENUES & TRANSFERS	\$ 3,044,804	\$ 3,262,255	\$ 3,745,969	\$ 3,917,614	\$ 4,097,778	\$ 4,036,887	\$ 4,235,385	\$ 4,443,741	\$ 4,662,446	\$ 4,892,017	\$ 5,132,996	\$ 5,385,951
EXPENDITURES:												
SALARIES AND WAGES	1,893,204	1,908,000	1,962,000	2,082,137	2,144,601	2,208,939	2,275,207	2,343,463	2,413,767	2,486,180	2,560,766	2,637,589
HEALTH INSURANCE	297,381	324,800	349,550	392,795	412,434	433,056	454,709	477,444	501,316	526,382	552,701	580,336
RETIREMENT	374,704	375,000	405,000	419,987	432,586	445,564	458,931	472,699	486,880	501,486	516,531	532,026
RETIREE HEALTH CARE	104,000	104,000	104,000	104,000	104,000	104,000	104,000	104,001	104,002	104,003	104,004	104,005
FICA	147,301	150,000	154,000	159,283	164,062	168,984	174,053	179,275	184,653	190,193	195,899	201,776
OTHER PERSONNEL COSTS	48,470	64,640	68,500	70,351	71,758	73,194	74,658	76,151	77,674	79,227	80,812	82,428
OTHER OPERATING COSTS	530,092	664,244	316,700	326,201	335,987	346,067	356,449	367,142	378,156	389,501	401,186	413,222
OTHER CAPITAL EQUIPMENT PURCHASES	-	57,150	74,500	77,500	77,500	52,500	52,500	67,500	77,500	67,500	52,500	52,500
OTHER CAPITAL VEHICLE PURCHASES	-	-	125,000	130,000	180,000	195,000	195,000	190,000	130,000	195,000	195,000	130,000
TOTAL EXPENDITURES	\$ 3,395,152	\$ 3,647,834	\$ 3,559,250	\$ 3,762,254	\$ 3,922,929	\$ 4,027,303	\$ 4,145,506	\$ 4,277,675	\$ 4,353,948	\$ 4,539,472	\$ 4,659,398	\$ 4,733,882
OPERATING SURPLUS (SHORTFALL)	\$ (349,922)	\$ (385,579)	\$ 186,719	\$ 155,360	\$ 174,850	\$ 9,584	\$ 89,879	\$ 166,066	\$ 308,498	\$ 352,545	\$ 473,598	\$ 652,070
FUND BALANCE - BEGINNING OF YEAR	\$ 737,313	\$ 387,391	\$ 1,812	\$ 1,812	\$ 188,531	\$ 157,172	\$ 363,381	\$ 166,756	\$ 453,259	\$ 332,822	\$ 761,757	\$ 685,367
FUND BALANCE - END OF YEAR	\$ 387,391	\$ 1,812	\$ 188,531	\$ 157,172	\$ 363,381	\$ 166,756	\$ 453,259	\$ 332,822	\$ 761,757	\$ 685,367	\$ 1,235,356	\$ 1,337,437
FB DESIGNATED FOR VEHICLES	-	-	-	-	-	-	-	-	-	-	-	-
FB DESIGNATED FOR LEAVE TIME P/O	25,000	30,000	30,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
FB DESIGNATED FOR BLDG MAINT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DESIGNATED FUND BALANCE **	\$ 25,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
UNDESIGNATED FUND BALANCE	\$ 337,391	\$ (48,188)	\$ 138,531	\$ 117,172	\$ 323,381	\$ 126,756	\$ 413,259	\$ 292,822	\$ 721,757	\$ 645,367	\$ 1,195,356	\$ 1,297,437

** Committed Fund Balances, Assets held for resale, prepaid

Board Resolution FB 25% of operating expenses	848,788	911,959	889,813	940,563	980,732	1,006,826	1,036,376	1,069,419	1,088,487	1,134,868	1,164,849	1,183,470
Difference	\$ (461,397)	\$ (910,147)	\$ (701,282)	\$ (783,391)	\$ (617,351)	\$ (840,069)	\$ (583,117)	\$ (736,596)	\$ (326,730)	\$ (449,501)	\$ 70,506	\$ 153,967

HAMBURG TOWNSHIP POLICE FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
207-000.000-402.000	CURRENT PROPERTY TAX	2,975,555	3,168,649	3,174,735	3,174,735	3,381,259
207-000.000-412.000	DELINQUENT PP TAX	894	100	1	100	100
207-000.000-415.000	CHARGE BACKS/MTT/BOARD OF REVIEW	(550)	(500)	(495)	(500)	(500)
207-000.000-441.000	PERS PROPERTY TAX REIMB - STATE OF MI	6,434	6,500	9,893	9,893	10,000
207-000.000-480.000	LIQUOR LICENSE FEES	9,682	9,700	9,407	9,700	9,500
207-000.000-481.000	SOLICITATION FEES	180	100	70	100	100
207-000.000-501.000	FEDERAL GRANT REVENUE	-	2,500	-	2,500	-
207-000.000-628.100	INSPECTION FEES	2,400	7,000	6,800	7,000	7,000
207-000.000-629.000	GUN PERM/FINGERPRINTS/VIN INSP	245	200	137	200	200
207-000.000-629.100	BREATHALIZER TEST REQUIRED	35	110	110	110	110
207-000.000-630.200	SALVAGE VEHICLE INSPECTION	100	200	300	300	200
207-000.000-636.000	COPIES/MAPS	1,320	1,000	1,123	1,123	1,000
207-000.000-657.000	ORDINANCE FINES	10,838	10,000	8,180	10,000	9,000
207-000.000-664.000	INTEREST REVENUE	13,007	3,000	-	-	-
207-000.000-674.000	CONTRIBUTIONS/DONATIONS/GRANTS	922	2,500	-	2,500	32,500
207-000.000-676.000	REIMBURSEMENTS & COST RECOVERY	2,563	10,000	9,975	10,000	10,000
207-000.000-676.200	OVERTIME REIMB - OTHER	1,099	2,500	-	2,500	-
207-000.000-677.000	SUNDRY	1,654	250	-	250	-
207-000.000-678.000	PA302 TRAINING REIMB	-	1,100	(556)	(556)	500
207-000.000-693.000	SALE OF FIXED ASSETS	18,426	32,300	32,300	32,300	35,000
	TRANSFER IN - GENERAL FUND					250,000
	TOTAL ESTIMATED REVENUES	3,044,804	3,257,209	3,251,979	3,262,255	3,745,969
ESTIMATED APPROPRIATIONS						
207-000.000-702.000	FULL-TIME EMPLOYEE SALARIES	1,693,141	1,567,000	1,334,681	1,686,500	1,720,000
207-000.000-702.500	LEAVE TIME PAYOUT	1,908	5,000	2,054	5,000	5,200
207-000.000-704.000	PART-TIME EMPLOYEE SALARIES	30,611	34,000	26,214	34,000	44,800
207-000.000-706.000	HOLIDAY PAY	80,718	89,500	70,319	89,500	94,000
207-000.000-709.000	TOWNSHIP FICA	147,301	140,000	116,878	150,000	154,000
207-000.000-712.000	PAY IN LIEU OF MEDICAL INS	7,300	4,800	2,700	4,800	4,800
207-000.000-713.000	OVERTIME	86,826	80,000	72,536	93,000	98,000
207-000.000-716.000	DEFINED CONTRIBUTION	374,704	375,000	236,006	375,000	405,000
207-000.000-718.000	HEALTH/DENTAL/VISION INSURANCE	290,081	331,800	227,394	320,000	344,750
207-000.000-725.100	LONG/SHORT TERM DISABILITY	8,772	9,500	5,950	9,500	9,800

HAMBURG TOWNSHIP POLICE FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
207-000.000-725.200	LIFE INSURANCE	1,604	1,500	829	1,500	1,600
207-000.000-726.500	EQUIPMENT ALLOWANCE	11,200	11,200	11,200	11,200	12,600
207-000.000-727.000	WORKERS' COMPENSATION	14,894	29,000	28,940	28,940	30,000
207-000.000-730.000	RETIREE HEALTH INSURANCE	104,000	104,000	104,000	104,000	104,000
207-000.000-731.000	EDUCATION INCENTIVE BONUS	12,000	13,500	12,500	13,500	14,500
207-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	11,982	13,000	16,060	20,000	15,000
207-000.000-752.100	AMMUNITION	8,498	10,000	7,839	10,000	10,000
207-000.000-756.000	ACCREDITATION EXPENSES	5,696	25,000	11,177	25,000	8,500
207-000.000-758.000	DIESEL FUEL	101	250	-	250	250
207-000.000-759.000	VEHICLE FUEL	58,856	55,000	40,497	55,000	55,000
207-000.000-768.000	UNIFORMS/ACCESSORIES	17,023	15,000	12,628	15,000	17,000
207-000.000-768.500	UNIFORM CLEANING	4,116	4,500	4,009	5,500	5,000
207-000.000-801.000	CONTRACTUAL SERVICES	8,476	12,000	10,149	12,000	12,000
207-000.000-807.000	SWAT TEAM EXPENSES	6,080	9,000	8,960	11,000	7,500
207-000.000-807.001	CODE ENFORCEMENT EXPENSES	891	1,000	-	1,000	1,000
207-000.000-809.000	JANITORIAL SERVICES	10,732	11,000	2,405	11,000	11,600
207-000.000-826.000	LEGAL FEES	11,549	10,000	6,363	10,000	10,000
207-000.000-840.000	LIABILITY/CASUALTY INSURANCE	101,194	125,500	106,353	106,353	115,000
207-000.000-851.000	POSTAGE	48	200	-	200	200
207-000.000-853.000	PHONE/COMM/INTERNET	11,780	15,000	9,865	15,000	15,000
207-000.000-914.000	TUITION REIMBURSEMENT	11,999	12,000	10,303	12,000	12,000
207-000.000-916.000	TRAINING	17,370	16,500	15,133	16,500	16,000
207-000.000-917.000	SEWER USAGE	2,612	3,700	2,700	3,700	3,500
207-000.000-920.000	ELECTRIC	12,576	15,000	10,347	15,000	15,000
207-000.000-921.000	NATURAL GAS/HEAT	3,126	3,500	1,466	3,500	3,000
207-000.000-930.002	MAINTENANCE POLICE BUILDING	10,570	12,000	11,322	12,000	12,000
207-000.000-930.020	MAINTENANCE - FERTILIZER	417	500	272	500	500
207-000.000-931.000	EQUIPMENT MAINT/REPAIR	3,210	2,000	1,477	2,000	2,000
207-000.000-932.000	VEHICLE MAINTENANCE	51,679	55,000	55,572	60,000	55,000
207-000.000-933.000	SOFTWARE MAINTENANCE	27,065	24,000	26,784	30,000	25,000
207-000.000-933.300	LAW ENFORCEMENT INFO NETWORK	3,686	6,000	3,332	6,000	5,000
207-000.000-955.000	SUNDRY	2,252	3,000	816	3,000	2,500
207-000.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	1,781	4,700	4,454	4,700	4,500
207-000.000-967.000	SPECIAL PROJECTS	15,098	20,000	17,061	20,000	20,000

HAMBURG TOWNSHIP POLICE FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
207-000.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	57,047	73,500	46,839	73,500	57,150
207-000.000-981.000	CAPITAL EXPENSE - VEHICLE	52,583	110,000	161,691	161,691	-
	TOTAL ESTIMATED APPROPRIATIONS	3,395,152	3,463,650	2,858,072	3,647,834	3,559,250
NET OF REVENUES/APPROPRIATIONS - FUND 207		(349,922)	(206,441)	393,907	(385,579)	186,719
BEGINNING FUND BALANCE		737,313	387,391	387,391	387,391	1,812
ENDING FUND BALANCE		387,391	180,950	781,297	1,812	188,531

HAMBURG TOWNSHIP SEWER FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
Dept 527.000 - Sewer Operating						
590-527.000-501.000	FEDERAL GRANT REVENUE	635,429	-	-	-	-
590-527.000-653.000	O&M USAGE FEES	1,603,602	1,743,552	1,170,508	1,743,552	1,755,552
590-527.000-653.001	O&M LATE PENALTY	29,248	25,000	6,789	25,000	10,000
590-527.000-653.002	ADMIN FEE FOR DELINQ ON TAXES	22,341	22,700	22,432	22,700	22,700
590-527.000-664.001	INTEREST REVENUE - O&M ACCOUNTS	20,260	14,000	8,405	14,000	16,000
590-527.000-667.000	RENTAL INCOME	19,933	18,500	13,610	18,500	21,017
590-527.000-676.000	REIMBURSEMENTS & COST RECOVERY	28,642	32,000	34,251	45,000	36,000
590-527.000-677.000	SUNDRY	2,450	2,500	300	2,500	600
	Totals - Sewer Operating	2,361,905	1,858,252	1,256,295	1,871,252	1,861,869
 Dept 537.000						
590-537.000-637.300	PORTAGE MONTHLY SEWER OP	82,929	75,600	53,221	75,600	82,000
590-537.000-637.400	PORTAGE ADD'L FEES	9,805	10,000	22,129	29,500	24,000
	Totals - 537.000	92,734	85,600	75,351	105,100	106,000
 Dept 538.000						
590-538.000-607.000	NON-TAX ADMIN FEE	8,512	5,000	3,800	5,000	5,000
590-538.000-620.200	GRINDER PUMP INSTALLATION	55,433	250,000	69,167	100,000	50,000
590-538.000-626.000	Reinsp/inspection/easement/lgl	250	400	-	400	250
590-538.000-640.000	APPLICATION FEES - SEWERS	5,000	5,000	4,000	5,000	5,000
590-538.000-642.100	TAP FEE	340,875	263,000	199,250	263,000	187,500
590-538.000-644.100	MAIN LINE EXTENSION	9,809	58,000	147,948	147,948	20,000
590-538.000-646.200	GRINDER PUMP PURCHASE	111,620	102,000	46,260	65,000	65,000
590-538.000-646.300	REVENUE SALE OF GRINDER PUMPS	5,140	5,000	-	5,000	-
590-538.000-664.002	INTEREST REVENUE - CAPITAL ACCTS	58,433	28,500	33,514	45,000	55,000
	Totals - 538.000	595,071	716,900	503,938	636,348	387,750
 Dept 539.000						
590-539.000-472.000	SPECIAL ASSESSMENT REVENUE	2,216	100,000	1,526	100,000	1,500
590-539.000-654.000	WWTP DEBT FEE	596,160	607,968	407,959	607,968	612,000
590-539.000-654.001	WWTP DEBT LATE PENALTY	11,485	12,000	2,465	12,000	3,500
590-539.000-664.003	INTEREST REVENUE SAD'S & OTHER	56,317	29,500	27,287	37,000	45,000
	Totals - 539.000	666,177	749,468	439,236	756,968	662,000

HAMBURG TOWNSHIP SEWER FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED REVENUES						
Dept 540.000						
590-540.000-620.100	WATER METER INSTALLATION	100	300	100	300	300
590-540.000-637.500	WATER CONNECTION ADM FEE	700	2,100	700	2,100	1,000
590-540.000-654.500	WATER CHARGE O&M	53,880	35,000	38,497	50,000	55,000
590-540.000-654.501	WATER CHARGE PENALTY (10%)	740	500	160	500	500
590-540.000-664.001	INTEREST REVENUE - O&M ACCOUNTS	(7)	200	(76)	200	200
	Totals - 540.000	55,413	38,100	39,381	53,100	57,000
	TOTAL ESTIMATED REVENUES	3,771,300	3,448,320	2,314,201	3,422,768	3,074,619
ESTIMATED APPROPRIATIONS						
Dept 527.000 - Sewer Operating						
590-527.000-702.000	FULL-TIME EMPLOYEE SALARIES	488,056	540,500	393,314	540,500	584,000
590-527.000-702.500	LEAVE TIME PAYOUT	573	2,600	2,570	2,600	2,900
590-527.000-704.000	PART-TIME EMPLOYEE SALARIES	18,400	23,000	10,316	23,000	26,000
590-527.000-704.100	PER DIEM	1,430	1,800	650	1,800	1,800
590-527.000-709.000	TOWNSHIP FICA	42,239	49,000	34,994	49,000	53,000
590-527.000-712.000	PAY IN LIEU OF MEDICAL INS	250	3,000	2,250	3,000	3,000
590-527.000-713.000	OVERTIME	48,224	47,500	36,379	47,500	51,000
590-527.000-716.000	DEFINED CONTRIBUTION	59,809	62,000	46,420	62,000	66,400
590-527.000-718.000	HEALTH/DENTAL/VISION INSURANCE	95,572	118,800	78,097	118,800	111,000
590-527.000-725.100	LONG/SHORT TERM DISABILITY	2,872	3,400	2,297	3,400	3,500
590-527.000-725.200	LIFE INSURANCE	686	670	369	670	700
590-527.000-727.000	WORKERS' COMPENSATION	2,034	4,250	4,220	4,250	4,500
590-527.000-728.000	ON-CALL COMPENSATION	0	23,000	10,470	23,000	23,000
590-527.000-751.100	GRINDER PUMP PARTS	290,257	325,000	279,249	325,000	350,000
590-527.000-751.200	GRINDER PUMP CORES	129,600	-	-	-	-
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	24,090	25,000	27,420	35,000	30,000
590-527.000-758.000	DIESEL FUEL	1,474	2,000	1,127	2,000	2,000
590-527.000-759.000	VEHICLE FUEL	13,734	15,000	9,179	15,000	15,000
590-527.000-768.000	UNIFORMS/ACCESSORIES	9,625	5,000	2,665	5,000	4,000
590-527.000-801.000	CONTRACTUAL SERVICES	15,288	14,500	14,320	14,500	15,000
590-527.000-826.000	LEGAL FEES	5,944	5,000	391	5,000	1,000
590-527.000-840.000	LIABILITY/CASUALTY INSURANCE	8,390	28,500	28,454	28,454	30,000
590-527.000-843.000	MISC MEDICAL EXPENSES	1,000	2,500	1,203	2,500	2,000
590-527.000-851.000	POSTAGE	11,927	8,000	5,725	8,000	8,500
590-527.000-853.000	PHONE/COMM/INTERNET	9,243	13,000	10,697	13,000	14,000

HAMBURG TOWNSHIP SEWER FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
590-527.000-861.000	MILEAGE	337	500	-	500	250
590-527.000-900.000	LEGAL NOTICES/ADVERTISING	180	500	170	500	500
590-527.000-910.000	PROFESSIONAL DEVELOPMENT	5,079	6,000	2,480	6,000	3,500
590-527.000-917.500	TREATMENT EXPENSE	84,729	125,000	100,646	125,000	140,000
590-527.000-920.000	ELECTRIC	24,725	27,000	14,877	27,000	23,000
590-527.000-921.000	NATURAL GAS/HEAT	3,787	4,000	1,651	4,000	3,000
590-527.000-930.006	BLDG MAINT-ENT @ LRG(RENTAL HOME)	2,450	12,400	12,400	12,400	-
590-527.000-930.010	SEWER MAINTENANCE GARAGE	866	2,000	1,885	2,000	2,500
590-527.000-930.011	ENTERPRISE POLE BARN(ORIGINAL)	4,689	1,000	-	1,000	1,000
590-527.000-931.000	EQUIPMENT MAINT/REPAIR	1,606	2,500	2,053	2,500	3,000
590-527.000-932.000	VEHICLE MAINTENANCE	5,002	8,000	7,321	8,000	7,500
590-527.000-933.000	SOFTWARE MAINTENANCE	966	2,000	823	2,000	1,250
590-527.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	229,570	150,000	154,304	165,000	100,000
590-527.000-934.200	GRINDER PUMP REPLACEMENT	81,069	186,000	258,473	270,000	205,600
590-527.000-946.000	ENGINEERING SERVICES	(8,260)	5,000	-	5,000	2,000
590-527.000-955.000	SUNDRY	1,461	2,800	3,306	4,000	2,500
590-527.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	2,909	2,500	4,228	5,500	3,500
590-527.000-968.000	DEPRECIATION	1,006,343	-	-	-	-
590-527.000-969.003	AMORT EXP OF BOND DISCOUNT	9,347	-	-	-	-
590-527.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	(639,744)	2,500	18,526	20,000	30,000
590-527.000-980.017	CAPITAL IMPROVEMENTS-SEWER LOOP (ARPA)	635,429	-	-	-	-
590-527.000-981.000	CAPITAL EXPENSE - VEHICLE	-	70,000	67,588	70,000	-
590-527.000-999.101	TRANSFER OUT GENERAL FUND	57,500	57,500	47,917	57,500	57,500
	Totals - SEWER OPERATING	2,790,758	1,990,220	1,701,423	2,120,874	1,988,900
Dept 537.000						
590-537.000-752.000	SUPPLIES & SMALL EQUIPMENT	16,778	20,000	18,005	22,000	22,500
590-537.000-753.000	CHEMICALS	45,403	50,000	33,226	50,000	40,000
590-537.000-758.000	DIESEL FUEL	969	1,000	831	1,000	1,500
590-537.000-853.000	PHONE/COMM/INTERNET	292	300	239	300	300
590-537.000-917.600	SLUDGE REMOVAL EXPENSE WWTP	57,452	60,000	76,455	90,000	80,000
590-537.000-919.000	TRASH DISPOSAL	1,389	1,500	1,035	1,500	1,800
590-537.000-920.000	ELECTRIC	70,924	78,000	57,025	78,000	85,500
590-537.000-921.000	NATURAL GAS/HEAT	35,401	30,000	451	30,000	30,000
590-537.000-930.007	BUILDING MAINTENANCE - WWTP	913	3,800	3,721	3,800	2,500
590-537.000-931.000	EQUIPMENT MAINT/REPAIR	7,587	13,000	13,324	16,000	12,000
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	32,352	54,500	54,386	65,000	50,000

HAMBURG TOWNSHIP SEWER FUND
Proposed Budget Fiscal Year 2024-2025

Item 15.

GL NUMBER	DESCRIPTION	2022-23 AUDITED YEAR END	2023-24 AMENDED BUDGET	2023-24 ACTIVITY THRU 03/31/24	2023-24 PROJECTED ACTIVITY	2024-25 REQUESTED BUDGET
ESTIMATED APPROPRIATIONS						
590-537.000-946.000	ENGINEERING SERVICES	6,440	2,000	-	2,000	3,000
590-537.000-952.000	LAB ANALYSIS - WWTP	12,879	13,000	10,695	13,000	13,000
590-537.000-952.100	LAB ANALYSIS FEES - PORTAGE	10,739	10,000	10,343	14,000	13,000
590-537.000-955.000	SUNDRY	-	250	-	250	250
590-537.000-955.100	ANNUAL GRNDWATER DISCHARGE FEE	5,285	9,000	8,956	9,000	10,000
590-537.000-980.000	CAPITAL EQUIPMENT/CAPITAL IMP	2,094	245,000	240,967	245,000	-
	Totals - 537.000	306,896	591,350	529,659	640,850	365,350
Dept 538.000						
590-538.000-946.000	ENGINEERING SERVICES	-	1,700	1,700	1,700	2,500
590-538.000-955.000	SUNDRY	1,380	1,000	540	1,000	1,000
590-538.000-999.101	TRANSFER OUT G/F ADMIN FEE	57,500	57,500	47,917	57,500	57,500
	Totals - 538.000	58,880	60,200	50,157	60,200	61,000
Dept 539.000						
590-539.000-991.000	DEBT SERVICE - PRINCIPAL	-	525,000	3,631	525,000	530,000
590-539.000-992.000	INTEREST EXPENSE	110,195	130,000	90,423	130,000	71,500
590-539.000-993.000	AGENT FEES	750	1,200	860	1,200	1,200
	Totals - 539.000	110,945	656,200	94,914	656,200	602,700
Dept 540.000						
590-540.000-917.900	WATER PURCHASE CITY OF BRIGHTON	43,386	40,000	45,060	45,060	55,000
	Totals - 540.000	43,386	40,000	45,060	45,060	55,000
	TOTAL ESTIMATED APPROPRIATIONS	3,310,865	3,337,970	2,421,212	3,523,184	3,072,950
	NET OF REVENUES/APPROPRIATIONS - FUND 590	460,434	110,350	(107,011)	(100,416)	1,669
	BEGINNING FUND BALANCE	28,254,798	28,715,232	28,715,232	28,715,232	28,614,816
	ENDING FUND BALANCE	28,715,232	28,825,582	28,608,221	28,614,816	28,616,485



Hamburg Township Public Safety Department

PO BOX 157 · HAMBURG, MICHIGAN 48139
PHONE: (810) 231-9391 · FAX: (810) 231-9401
EMAIL: HATP@hamburg.mi.us

RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



Item 16.

TO: Hamburg Township Board
FROM: Chief Richard Duffany
DATE: May 2, 2024
RE: Agenda Item Topic: **Updated Public Safety SOP**
General Ledger #: N/A
Number of Supporting Documents: 1
NEW/OLD BUSINESS: **XXX** New Business
_____ Old Business – Previous Agenda #:

Requested Action

- Motion to approve Hamburg Township Public Safety SOP #300-25: *Use of Force*.

Background

The attached amended Public Safety SOP is being submitted to the Board for review and approval. The language change is found on p.11 of the policy. In short, we are eliminating the separate Use of Force form. The separate Use of Force form is redundant and no longer needed since we implemented the requirement of “meaningful reviews” by supervisors on all use of force incidents. We have replaced the Use of Force form in Appendix A with a checklist to be utilized by officers when completing their incident reports. The checklist ensures that all information previously contained in the Use of Force form is contained in the officer’s incident report.

Respectfully,

Chief Richard Duffany
Director of Public Safety

HAMBURG TOWNSHIP PUBLIC SAFETY DEPARTMENT			
STANDARD OPERATING PROCEDURE			
Title: Use of Force			No. 300-25
Distribution: POLICE	<input type="checkbox"/> New <input checked="" type="checkbox"/> Amended	Rescinds: 300-25 (10/12/22)	MLEAC Standard(s): 3.3.1, 3.3.2, 3.3.3, 3.3.5
Effective Date: DRAFT			

I. PURPOSE

The purpose of this procedure is to provide Hamburg Township police officers with guidelines on the use of force during the legal performance of their duties and to establish a procedure for reporting use of force.

II. POLICY

This department recognizes and respects the value and special integrity of each human life. In vesting police officers with the lawful authority to use force to protect the public welfare, a careful balancing of all human interests is required. Further, this department recognizes that officers are often forced to make split-second judgments, in circumstances that are tense, uncertain, and rapidly evolving when deciding the amount of force necessary in a particular situation (*Graham v. Conner, 390 U.S. 368, 1989*).

Use of Force shall never be considered routine. Department members, authorized to use weapons or force, shall use only objectively reasonable force when force is used, to accomplish lawful law enforcement objectives, to overcome resistance while affecting a lawful arrest, bringing an incident under control, or protecting the public in the lawful performance of their duty. This shall include immediate action force up to and including deadly force to de-escalation.

The use of unreasonable, unnecessary, or excessive force, and/or the failure to provide medical treatment following the use of force, shall result in disciplinary action against those who use or allow the use of such force or fail to provide for the care of persons in custody, up to and including termination.

III. DEPARTMENTAL USE

This procedure is for departmental use only and represents an administrative guide for officers’ decision-making processes and not as a standard for civil or criminal litigation. It should not be construed as a creation of a higher legal standard of safety or care in an evidentiary sense with respect to civil suits or administrative claims. However, violations of this procedure may form the basis for departmental administrative sanctions.

IV. DEFINITIONS

For this procedure, the following definitions will apply:

- A. **Choke Hold:** Any hold applied to or around the neck that compresses the upper airway (trachea, larynx or laryngopharynx) which can interfere with breathing and lead to asphyxia. All forms of choke holds or neck restraints, whether applied by empty hand or intermediate weapon, are strictly prohibited.
- B. **Deadly Force:** Any force used by an officer that has a reasonable probability of causing death or serious bodily harm.
- C. **De-Escalation:** The Department of Justice (DOJ) defines “de-escalation” as the strategic slowing down of an incident in a manner that allows officers more time, distance, space and tactical flexibility during dynamic situations on the street.
- D. **Firearm:** Department issued/authorized handgun, rifle or shotgun.
- E. **Last Resort:** Situations wherein certain immediate and drastic measures must be undertaken by an officer in order to protect human life. Force used in these situations may involve the use of techniques or weapons not covered or generally prohibited by this policy. However, the force used must still be objectively reasonable under the circumstances.
- F. **Less-Lethal Force:** Any force used by an officer that will not reasonably be expected to cause death or serious bodily harm.
- G. **Less-Lethal Weapons:** Those devices that when properly used by an officer are not reasonably expected to cause death or serious bodily harm.
- H. **Lethal Weapon:** A device which, when used by an officer may result in great bodily harm or loss of human life. Lethal weapons are considered deadly force in the Force Continuum.
- I. **Level of Control:** That amount of force officers use to gain control over a subject’s resistant actions in the performance of their lawful duties.
- J. **Level of Resistance:** That amount of resistance or force used by a subject to resist compliance with the lawful order or action by an officer.
- K. **Meaningful Review:** A documented review of an incident or occurrence, regardless of outcome, prepared by or for the Director of Public Safety or his/her designee. The review should indicate whether policy, training, equipment, or disciplinary issues should be addressed.

- L. **Minimum Amount of Force:** The least amount of force that will permit officers to overcome the resistance offered.
- M. **Objectively Reasonable Force:** Any force used by an officer which is suitable to the situation and consistent with department approved training and policies. The reasonableness of an officer's actions will be based upon what a "reasonable" officer would have done under similar circumstances.
- N. **Serious Bodily Harm:** A bodily injury that creates a substantial risk of death, causes serious/permanent disfigurement, or results in long-term loss or impairment of any bodily function.
- O. **TASER®:** A less-lethal weapon approved by the department that transmits electrical pulses that causes an uncontrollable contraction of muscle tissue, resulting in temporary physical debilitation to a person.
- P. **Vascular Neck Restraint:** A control technique applied to the sides of the neck, using a combination of physiological factors, to restrict blood flow to the brain which may cause unconsciousness. Use of vascular neck restraints are strictly prohibited.

V. **AUTHORIZED USE OF LESS-LETHAL FORCE**

- A. The application of a necessary amount of less lethal force may be used in the following situations, or when other alternatives are not available or have failed. The totality of circumstances is the factor to be considered in determining the degree of force to be used. Officers are authorized to use department-approved control techniques and authorized less-lethal weapons for resolution of incidents as follows:
 1. To stop potentially dangerous and/or unlawful behavior.
 2. To protect the officer or another from injury or death.
 3. To prevent a person from injuring themselves.
 4. During the process of effecting an arrest when a subject offers resistance.
 5. To protect another officer or other person from physical assault.
 6. To control the attack or menacing of animals against officers, other persons, or property.
 7. To prevent escape from custody.
 8. To take a person into protective custody.

- B. Officers shall only utilize department authorized less-lethal weapons and shall follow the guidelines for the use of less lethal weapons as outlined in Public Safety SOP #300-28: *Less-Lethal Weapons*.

VI. AUTHORIZED USE OF DEADLY FORCE

An officer may use deadly force under the following circumstances:

- A. When an officer reasonably believes that the use of deadly force is in defense of human life, including the officer's own life, or in defense of any person in imminent danger of serious physical harm., or;
- B. To prevent the escape of a fleeing felon when the felony committed involves the infliction or threatened infliction of death or serious bodily harm; provided that the officer has exhausted all other reasonable means of apprehension, and *all of the following circumstances exist*:
1. The fleeing felon is apparently armed and dangerous; and,
 2. Deadly force is necessary to prevent the felon's escape; and,
 3. The officer has probable cause to believe that the felon poses a significant threat of death or serious bodily harm to the officer or others if the subject escapes; and,
 4. Whenever feasible, some form of verbal warning is given to the fleeing felon.
- C. All firearms, regardless of whether they are owned privately or by the department, shall be used in a lawful manner at all times.
- D. Officers shall not discharge a firearm at a moving vehicle for the purpose of stopping that vehicle unless it can be justified as an authorized use of deadly force or in last resort situations.
- E. Members of this department shall not fire warning shots.

VII. LEVELS OF RESISTANCE AND CONTROL

- A. Officers may use such reasonable force as may be, or reasonably appears to be, necessary to protect themselves or others or to carry out their lawful duties. Officers should use the amount of force that is proportionate to the level of demonstrated subject resistance. As the subject's resistance de-escalates, the amount of force used by the officer must also de-escalate. Force may never be used as punishment or retaliation.

- B. Once a determination is made that physical force is necessary, the amount of force used must be “reasonable” under the circumstances. The factors to be considered in determining reasonableness include, but are not limited to:
1. The severity of the crime;
 2. Whether the suspect poses an immediate threat to the safety of the officers or others;
 3. Whether the suspect is actively resisting arrest or attempting to flee.
- C. For the purpose of this policy, the use of force will be addressed from two perspectives: resistance and control. Both resistance and control can be in the form of verbal directives or physical action. Resistance is defined as actions that are directed from the subject toward the officer; while control is action directed from the officer toward the subject.
1. **Levels of Resistance:** The amount of resistance or force used by a subject to resist compliance with the lawful order or action by an officer.
 - a. **Inactive Resistance** – Resistance that may include psychological intimidation and/or verbal resistance (e.g., blank stare, clenching of fist(s), tightening of jaw muscles, etc.).
 - b. **Passive Resistance** – Any type of resistance whereby the subject does not attempt to defeat the officer’s attempt to touch and control the subject, but still will not voluntarily comply with verbal and physical attempts to control (e.g., dead weight, does not react to verbal commands, etc.). This is the lowest level of physical resistance. At this level, the offender never makes any attempt to defeat the physical contact of the officer. In passive resistance situations, officers should, whenever possible, secure assistance in lifting or wheeling an uncooperative subject to a transporting patrol vehicle. As long as the subject’s level of resistance does not exceed the passive resistance stage an officer’s response shall not exceed “compliance controls” in the force category. Physical controls such as hard empty hand techniques shall not be used unless it becomes necessary to protect the safety of the officer, subject, or others. Physical controls and/or Intermediate controls may be justified when an officer can articulate their reason to believe the subject or other persons on the scene are using or likely to use greater resistance.
 - c. **Active Resistance** – Any action by a subject that attempts to prevent an officer from gaining control of the subject (e.g.,

pulling/pushing away, blocking, etc.). At this level the offender attempts to push/pull away in a manner that does not allow the officer to establish control. However, the subject never attempts to strike the officer.

- d. **Active Aggression** – Physical actions/assaults against the officer with less than deadly force (e.g., advancing, challenging, punching, kicking, grabbing, wrestling, etc.). At this level the subject attacks the officer to defeat the officer’s attempt to control him/her. The attack is a physical assault on the officer in which the offender strikes or uses techniques in a manner that may result in injury to the officer or others.
- e. **Deadly Force Assault** – Any force used against an officer and/or another person that may result in great bodily harm or the loss of human life.

2. **Levels of Control:** Force that an officer uses to gain control over a subject’s resistant actions.

- a. **Officer Presence/Verbal Direction** – Identification of Authority (i.e., uniformed presence or identification as a police officer); Verbal Direction (i.e., for arrest or to control subject’s movements); and/or Use of Restraint Devices (i.e., compliant handcuffing). If the officer is not in uniform, this level would require verbal identification.
- b. **Compliance Controls** – Soft Empty Hand Techniques (e.g., physical control such as strength techniques, leverage locks, pain compliance techniques and pressure points).
- c. **Physical Controls** – Hard Empty Hand Techniques are applied when lower forms of control have failed or **appear to be insufficient**. Techniques that fall into this level of force have a probability of creating soft or connective tissue damage, skin lacerations that require medical attention, or bone fractures (e.g., take downs, strikes, PPCT Shoulder Pin Restraint System, etc.). Strikes may be delivered with an officer’s open hand, fist, forearm, leg, knee, or foot.
- d. **Intermediate Controls** – Intermediate Controls (i.e., impact weapons, less-lethal weapons, chemical agents, and/or TASER© device) when used consistently within training deployment standards, provides a method of controlling subjects when deadly force is not justified but when empty hand control techniques **have failed or appear to be insufficient** in controlling, moving or

effecting an arrest. The officer's intent should always be to temporarily disable an offender and not to inflict permanent injury. When intermediate weapons are used, it is quite likely that some form of skin irritation, bruising, soft or connective tissue damage, or bone fracture may occur.

- e. **Deadly Force** – Any force used by an officer that may result in great bodily harm or the loss of human life to be used only in those situations described in Section VI of this procedure. Neck restraints or choke holds, whether applied by empty hand or intermediate weapon, constitute deadly force and can be used only as a last resort, when such force is justified.
3. In deciding which level of force to use in response to resistance encountered by an officer, the following factors should be considered:
- a. Relative size/stature of the subject.
 - b. Multiple subjects/offenders.
 - c. Subject's access to weapons.
 - d. Subject under the influence of alcohol or drugs.
 - e. Exceptional abilities/skills (e.g., martial arts).
 - f. Injury to, or exhaustion of, the officer.
 - g. Weather or terrain conditions.
 - h. Immediacy of danger and/or distance from the subject(s).
 - i. Special knowledge (e.g., subject's prior history of violence, etc.).
 - j. Officer's perception of the subject's willingness to resist.
 - k. Officer's perception of the immediate threat to the subject, third party, or the officer himself/herself.
 - l. Availability of or closeness of back-up assistance.
4. Officers shall draw and/or display weapons only:
- a. Where an ordinary prudent officer would reasonably fear for his or her safety or the safety of others, or,

- b. Where an officer is authorized to use the weapon to effect an arrest as established by this procedure, or,
- c. For the purposes of destroying an animal, training, or cleaning as provided by departmental policies and procedures.

VIII. DE-ESCALATION

De-escalation tactics are employed in an attempt to increase the likelihood of voluntary compliance and cooperation. It is the policy of this department that when all of the reasonably known circumstances indicate it is safe, prudent, and feasible to do so, an officer shall provide a subject an opportunity to de-escalate. De-escalation tactics may help an officer expand time and space in order to put themselves in a more advantageous position to evaluate response options.

- A. An officer shall attempt to slow down, reduce the intensity, or stabilize a situation so that more time, options and /or resources may become available for incident resolution, when reasonable and when it can be accomplished safely.

Tactics include:

- 1. Increasing distance to allow for greater reaction time. Officers should recognize that they may withdraw or reposition to a location that is tactically more secure or allows them greater distance in order to consider or deploy a greater variety of force options.
 - 2. Maximizing the use of cover or concealment to reduce officer(s) exposure to potential threats by placing the officer(s) in a safer position.
 - 3. Communicating from a safe position to gain the subject's compliance through the use of verbal persuasion, advisements, and/or warnings. Generally, communication techniques should involve active listening to calm agitated individuals and promote rational decision-making.
- B. When time and circumstances reasonably permit, an officer shall consider whether a subject's lack of compliance is a deliberate attempt to resist or is the result of an inability to comply based on factors including, but not limited to:
 - 1. Medical Conditions
 - 2. Mental Impairment
 - 3. Developmental disability
 - 4. Physical limitation
 - 5. Language barrier

6. Behavioral crisis
 7. Fear or anxiety
 8. Drug interaction
 9. Past history/experiences
- C. An officer's awareness of factors such as outlined above (VIII. B), when time and circumstances reasonably permit, shall be balanced against the facts of the incident and which tactical options are the most appropriate to bring the situation to a safe resolution. An officer is not expected to engage in force de-escalation measures that could jeopardize the safety of the community or the safety of officers.
- D. Supervisors should possess a good knowledge of tactics and supervise officers under their command in regard to proper training standards. As a good practice, supervisors when available will respond to incidents in a timely manner where law enforcement use of force is probable.
- E. De-escalation cannot be measured solely on whether officers used force or not. There are times when the application of reasonable force is the only way to "de-escalate" a situation.

IX. DUTY TO INTERVENE

- A. Each officer has an affirmative duty to safely intervene, and notify a supervisory authority, in instances where they observe an agency employee, another agency employee or public safety associate engage in any inappropriate, unreasonable, or excessive use of force. Along with any violation of agency written directive, or any violation of local ordinance, state, or federal law.
- B. Officers failing to intervene to stop the use of inappropriate, unreasonable, or excessive force by another officer, regardless of the ranks of the involved officers, shall be subject to strict discipline up to and including termination of employment.

X. AFTERCARE PROCEDURES

- A. All personnel shall be alert to any injury or complaint of injury occurring as a result of any use of force utilized to control a subject.
- B. Officers using force on a subject shall make medical treatment available to that subject when:
1. The subject complains of injury and/or requests medical treatment.
 2. Any officer observes or suspects injury to the subject.

3. The subject does not substantially recover from the effects of a less lethal weapon within a reasonable and expected time period.
 4. When directed by a supervisor.
- C. When a less-lethal weapon is used on a subject the officer shall follow the post-deployment procedures specific to that less-lethal weapon as outlined in Public Safety SOP #300-28: *Less-Lethal Weapons*.
 - D. If a less-lethal weapon is used on a subject and they are lodged in the Livingston County Jail, the transporting officer shall inform jail personnel upon arrival at the jail that a less-lethal weapon was deployed on the subject.
 - E. If a less-lethal weapon is used on a subject and they are turned over to another agency, the transporting officer shall inform the receiving officer from that agency that a less-lethal weapon was deployed on the subject.
 - F. Officers are reminded that they may be held civilly and criminally liable for failing to provide appropriate care and/or failing to request medical treatment for persons in their custody when circumstances warrant. When in doubt, request a medical evaluation by fire personnel or Livingston County EMS.

XI. SUPERVISORY RESPONSIBILITIES

- A. Any officer, whose actions or use of force in an official capacity results in death or serious physical injury, shall be removed from line-duty assignment, pending a documented meaningful review and/or investigation. The on-scene supervisor shall ensure that the procedures outlined in Public Safety SOP #300-23: *Response to Critical Incidents* and Public Safety SOP #300-59: *Administrative Duty/Leave* are followed.
- B. Whenever a supervisor has knowledge that a use of force incident has occurred, it shall be the supervisor's responsibility to ensure that both an incident report and Use of Force form are completed.
- C. The shift/on-duty supervisor will conduct a meaningful review of all use of force incidents including discharging a firearm for anything other than training or recreational purposes, weaponless subject control, unintentional discharge of a firearm or CEW (Taser), the application of a less lethal device/weapon, and the application of deadly force. The supervisor's responsibility is to determine whether the degree of force used was justified in accordance with the terms of this policy, whether any violations of department policies or procedures occurred, and whether policy, training, equipment, or disciplinary issues should be addressed. The reviewing supervisor should be one rank above the officer using force

whenever possible. If a supervisor one rank above the officer using force isn't available or the Director of Public Safety was involved in the Use of Force, a review committee of department Use of Force instructors will conduct the meaningful review.

- D. If the reviewing supervisor finds that the use of force was not justified or that a violation of department policy occurred the reviewing supervisor shall indicate their findings on the Use of Force form and initiate the disciplinary process as outlined in Public Safety SOP #100-3: *Disciplinary Procedures* and Public Safety SOP #300-59: *Administrative Duty/Leave*.
- E. If the reviewing supervisor finds that the use of force was justified the supervisor shall indicate that finding on the department's Use of Force form and forward it to the Deputy Director - Police for review.
- F. The Deputy Director shall review the findings and forward the Use of Force form to the Director of Public Safety.
- G. The Director of Public Safety shall review the use of force incident and make a final determination if the amount of force used was within department policy. If the Director was involved in the use of force, the Township Supervisor shall assume the role of the Director of Public safety for purposes of making a final determination.

XII. REPORTS

- A. Officers shall complete a detailed incident report and reference the department's Use of Force ~~Form~~ Checklist (Appendix A) whenever force is used, except in instances outlined in Officer Presence/Verbal Direction level of control (VII.C 2a). **The information contained on the Use of Force Checklist shall be contained in the officer's incident report unless clearly not applicable.**
- B. In Use of Force incidents for which the officer is already generating a complaint number for the incident (e.g., resisting, disorderly, etc.), the officer will complete the following under the original complaint number:
 - 1. Complainant, victim and witness information and statements.
 - 2. Factors used to determine the reasonable suspicion and/or probable cause that existed.
 - 3. Level(s) of resistance encountered, and the type(s) and degree of force used to overcome the resistance.
 - 4. Injury to the prisoner or officer(s).
 - 5. Treatment of prisoner or officer(s).

6. Follow-up actions taken by officers.
 7. Other officers involved.
 8. Evidence, including weapons and photographs.
- C. If a prisoner requires medical treatment or complains of injury that occurred during the officer's contact with the subject when force was used, the officer shall include in the original incident report: the injury, treatment, and photographs of the injury, as well as, all other information listed in XII. B., above.
 - D. If a prisoner requires medical treatment or complains of injury when force was not used and the injury did not occur during the officer's contact with the subject, notation of this required medical treatment or complaint of injury shall be made in the original incident report.
 - E. Whenever a department issued or department approved and registered second/back-up firearm is discharged by police personnel under any circumstance other than authorized animal terminations, training exercises at the range, lawful hunting, or lawful recreation a report shall be initiated detailing the incident for a police firearm discharge.
 - F. The use of restraints is outlined in Public Safety SOP #300-76: *Use of Handcuffs and Restraining Devices*.

XIII. DATA COLLECTION

The Hamburg Township Public Safety Department participates in the DOJ/FBI National Use of Force Data Collection. The Deputy Director, or designee, will submit monthly statistics on use of force. This national database is used to provide an aggregate view of the incidents reported and the circumstances, subjects, and officers involved.

- XIV. The Director of Public Safety, or designee, will conduct a documented annual review and a written annual analysis of all use of force incidents in the aggregate. This analysis should reveal patterns or trends that could be predictive or could indicate effectiveness, training needs, equipment upgrade needs and/or policy modification needs.

XV. OFFICERS ASSIGNED TO OTHER AGENCIES

Officers of this department assigned to or assisting other law enforcement agencies shall follow the guidelines established in this procedure.

Issued by:



Richard Duffany
Director of Public Safety

Approved by Hamburg Township Board of Trustees: **DRAFT.**

(APPENDIX A)
HAMBURG TOWNSHIP
PUBLIC SAFETY DEPARTMENT

USE OF FORCE REPORT CHECKLIST

This checklist is intended to assist officers in completing incident reports for use of force incidents. The information contained on this checklist shall be contained in the officer's incident report unless clearly not applicable.

OFFICER(S):

- "Use of Force" heading is recommended.
- Officer(s) Using Force
- Type of Force Used
 - Compliance Controls - Soft Empty Hand Techniques (e.g., physical control such as strength techniques, leverage locks, pain compliance techniques and pressure points).
 - Physical Controls - Hard Empty Hand Techniques are applied when lower forms of control have failed or **appear to be insufficient**. Techniques that fall into this level of force have a probability of creating soft or connective tissue damage, skin lacerations that require medical attention, or bone fractures (e.g., take downs, strikes, PPCT Shoulder Pin Restraint System, etc.). Strikes may be delivered with an officer's open hand, fist, forearm, leg, knee, or foot.
 - Intermediate Controls
 - Taser
 - If a Taser was deployed, reference the "Taser" section of the checklist.
 - 40MM LLIM
 - If the 40MM was deployed, reference the "40MM" section of the checklist.
 - Deadly Force

INJURY:

- Did the application of force cause injury?
 - If yes, describe nature of injuries (including complaints of injury)
- Did the subject receive medical treatment at the scene?
 - If yes, who provided treatment (EMS, Fire, Police)
- Was the subject transported to the hospital.
 - If yes, name of hospital and who transported.

TASER®:

- Approximate suspect distance at the time of deployment
- Number of cartridges deployed.
- Number of cycles applied.
 - Articulate the subject's demeanor/actions along with the justification for additional cycles/deployments.
- Was this a dart probe contact, drive stun or both.
- Description of dart impact area(s)
- Did the dart(s) penetrate the subject's skin?
- Were the probes removed on scene? By whom?
- Take photographs of the impact area along with any injuries.

40MM

- Approximate suspect distant at the time of deployment.
- The number of eXact iMpact rounds deployed.
- The number of eXact iMpact rounds that struck the suspect.
 - Articulate the subject's demeanor/actions along with the justification for additional rounds deployed.
- Description of the impact area(s).
- Take photographs of the impact area along with any injuries.

**TOWNSHIP OF HAMBURG
RESOLUTION TO ESTABLISH THE 45-DAY SPECIAL ASSESSMENT PAY-OFF SCHEDULE**

At a regular meeting of the Township Board of the Township of Hamburg, Livingston County, Michigan (the "Township") held at the Hamburg Township Hall Meeting Room on Tuesday, May 7th, 2024, beginning at 2:30 p.m. Eastern Time, there were:

PRESENT: _____

ABSENT: _____

The following preamble and resolution were offered by _____ and seconded by _____.

RESOLUTION

WHEREAS, the Township Board of Trustees (the "Township Board"), in accordance with Public Act No. 188, Michigan Public Acts of 1954, as amended, and the laws of the State of Michigan, has confirmed the Special Assessment Rolls for those Road and/or Waterway Improvement and Districts to be assessed as part of the upcoming bond sale; and

WHEREAS, the Township Board wishes to provide the opportunity for property owners to pay-off the road and/or waterway improvement assessment in full to avoid interest charges on the special assessment fee and so that the assessment is not added to their property taxes over the 10-year bond repayment period;

NOW THEREFORE, BE IT RESOLVED, that the special assessment fee for each of the Road and/or Waterway Improvement Special Assessment Districts may be paid in full, with no interest fees or charges within a 45-day grace period beginning on May 15, 2024 and ending on June 28, 2024.

A roll call vote on the foregoing resolution was taken and was as follows:

YES: _____

NO: _____

ABSENT: _____

Resolution declared _____.

CLERK'S CERTIFICATE

The undersigned, being the Clerk of the Township, hereby certifies that (1) the foregoing is a true and complete copy of a resolution duly adopted by the Township Board at a regular meeting at which meeting a quorum was present and remained throughout, (2) the original thereof is on file in the records in my office, (3) the meeting was conducted, and public notice thereof was given, pursuant to and in full compliance with the Open Meetings Act (Act No. 267, Public Acts of Michigan, 1976, as amended) and (4) minutes of such meeting were kept and will be or have been made available as required thereby.

Michael Dolan
Hamburg Township Clerk



10405 Merrill Road ♦ P.O. Box 157
Hamburg, MI 48139
Phone: 810.231.1000 ♦ Fax: 810.231.4295
www.hamburg.mi.us

MEMORANDUM

To: Patrick J. Hohl, Supervisor
Hamburg Township Board of Trustees

From: Brittany K. Campbell, Utilities Coordinator

Date: May 7th, 2024

Re: **Bid Results for Winans Drive - Road Maintenance S.A.D.**

The current Agreement to provide road maintenance services for Winans Drive will expire on June 15th, 2024. In anticipation of this date, 14 requests for bids were mailed out to qualified road maintenance contractors. I received two (2) responses from Contractors wishing to bid on providing road maintenance services for this special assessment district. The results are as follows:

Annual Pricing for Services to be Rendered	Bob Myers Excavating, Inc.
Gradings – Up to Five (5) per year as necessary.	\$ 2,375.00
Gravel – Annual installation of up to 50 cubic yards of 22A gravel as needed, includes labor charges.	\$ 1,800.00
Gravel – Annual installation of up to 75 cubic yards of 21AA gravel as needed, includes labor charges.	\$ 3,600.00
Snow Removal – Up to Six (6) times @ 4-Inches or more inches of accumulation	\$ 1,440.00
Sandings – Up to Six (6) times per year when icy conditions require.	\$ 1,350.00
Sub-Total Annual Cost:	\$ 10,565.00
Dust Control – up to four (4) sprayings per year.*	*Provided by Big Barney’s \$ 2,300.00
Total Annual Cost:	\$12,865.00

*Dust control pricing provide by Big Barney’s of Howell. This vendor provides a majority of our dust control spraying services for the road maintenance special assessment districts (SADs).

I recommend that the Board award the new two-year service contracts to **Bob Myers Excavating** and **Big Barney’s** beginning on June 16th, 2024 and ending on June 15th, 2026 to for the Winans Drive road maintenance district.



10405 Merrill Road ♦ P.O. Box 157
Hamburg, MI 48139
Phone: 810.231.1000 ♦ Fax: 810.231.4295
www.hamburg.mi.us

RECEIVED
MAR 06 2024
BY: BKC

BID SPECIFICATION FORM

PRIVATE ROAD MAINTENANCE DISTRICT HAMBURG TOWNSHIP, MICHIGAN

COMPANY NAME: Bob Myers Excavating, Inc.

CONTACT PERSON: Mike Myers

ADDRESS: 8111 Hammel Road

Brighton, MI 48116

PHONE: 810-231-2044

EMAIL: _____

Signature of Bidder's Authorized Agent: *Mike Myers*

Project Location Winans Drive
East off of Chilson Road

1.) **Gradings** – Up to five (5) per year as necessary.

Per Grading Charge \$ 475.00
Total \$ 2,375.00

2.) **Gravel** – Annual installation of up to Fifty (50) cubic yards of **22A** gravel (road quality) for regular road maintenance to be applied as necessary. Contractor responsible to supply gravel without assistance of Township.

Material Charge (Per Yard) \$ 18.00
Labor Charge \$ 18.00
Total \$ 1,800.00

NOTE: Road maintenance district requires installation of 2 types of gravel – bid both sections.

- 3.) **Gravel** – Annual installation of up to Seventy-Five (75) cubic yards of **21AA** gravel for washout area repairs, i.e. hillsides, etc. to be applied as necessary. Contractor responsible to supply gravel without assistance of Township.

Material Charge (Per Yard) \$ 24.00
 Labor Charge \$ 24.00
 Total \$ 3,600.00

- 4.) **Snow Removal** – Removal, as necessary, of four (4) inches or more of accumulation (up to six (6) removals assumed per year).

Charge Per Plowing \$ 240.00
 Total \$ 1,440.00

- 5.) **Sandings** – Sanding of roadway, when icy conditions exist, only as needed and with prior approval of Township (up to six (6) applications assumed per year).

Charge Per Application \$ 225.00
 Total \$ 1,350.00

The Township recommends that any Contractor interested in submitting a bid to provide road maintenance should make an on-site inspection of the road(s) prior to submitting a bid for services. A map of the location is enclosed with this bid request.

CONTRACT INFORMATION:

The Contract will run for two (2) years beginning on June 16th, 2024 and continuing through June 15th, 2026. Incremental increases in the cost of gravel may be negotiated between the Contractor and Hamburg Township on an annual review basis. Contractor shall remain an independent agent and does not become an employee of the Township. As such, the Contractor shall purchase and maintain worker’s comp, personal injury and liability insurance in a minimum amount of \$1,000,000.00 as required by the Township.

NOTE: Bid amounts must reflect all costs as requested above. Any proposed additional services may be recommended on a separate sheet and attached to the bid form.

All bids are due by **2:00 p.m. on Friday, April 26th, 2024** to:

Brittany K. Campbell
 Hamburg Township Utilities Coordinator
 10405 Merrill Road
 P.O. Box 157
 Hamburg, Michigan 48139
 (810) 231-1000 Ext. 210
 (810) 231-4295 – Fax
 Email: bcampbell@hamburg.mi.us

Hamburg Township reserves the right to reject any and all bid proposals and/or waive and irregularities, requirements or conditions in any or all bid proposals.

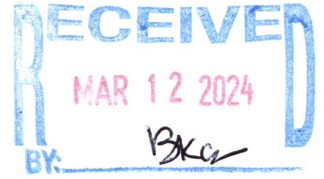
FAX (810) 231-4295
TELEPHONE: (810) 231-1000



Item 18.

P.O. Box 157
10405 Merrill Road
Hamburg, MI 48139

DUST CONTROL BID SPECIFICATION FORM



PRIVATE ROAD MAINTENANCE DISTRICT
HAMBURG TOWNSHIP, MICHIGAN

COMPANY NAME: BIG-BARNEY'S ROAD MAINTENANCE

CONTACT PERSON: BYRON MYER

ADDRESS: P.O. BOX 483
HOWELL, MI 48844-0483

PHONE: 517-546-8755

EMAIL: BYRON@BIGBARNEYS.COM

Signature of Bidder's Authorized Agent: [Signature]

Project Location Winans Drive
East off of Chilson Road

1.) **Dust Control** – Application of brine spray for the purpose of dust control at the following schedule – One week prior to or after the Memorial Day holiday, one week prior to or after the 4th of July holiday, the first week of August, and one week prior to or after the Labor Day holiday not to exceed four (4) times per year.

Material Charge (per Spray) \$ 575⁰⁰

Labor Charge (per Spray) \$ —

Total Annual Cost \$ 2,300

The Township recommends that any Contractor interested in submitting a bid to provide road maintenance should make an on-site inspection of the road(s) prior to submitting a bid for services. A map of the location is enclosed with this bid request.

CONTRACT INFORMATION:

The Contract will run for two (2) years beginning on June 16th, 2024 and continuing through June 15th, 2026. Incremental increases in the cost of gravel may be negotiated between the Contractor and Hamburg Township on an annual review basis. Contractor shall remain an independent agent and does not become an employee of the Township. As such, the Contractor shall purchase and maintain worker's comp, personal injury and liability insurance in a minimum amount of \$1,000,000.00 as required by the Township.

NOTE: Bid amounts must reflect all costs as requested above. Any proposed additional services may be recommended on a separate sheet and attached to the bid form.

All bids are due by **2:00 p.m. on Friday, April 26th, 2024** to:

Brittany K. Campbell

Hamburg Township Utilities Coordinator

10405 Merrill Road

P.O. Box 157

Hamburg, Michigan 48139

(810) 231-1000 Ext. 210

(810) 231-4295 – Fax

Email: bcampbell@hamburg.mi.us

Hamburg Township reserves the right to reject any and all bid proposals and/or waive and irregularities, requirements or conditions in any or all bid proposals.

PHONE: 810-231-1000
FAX: 810-231-4295



P.O. Box 157
10405 Merrill Road
Hamburg, Michigan 48139-0157

To: Planning Commissioners

From: David Rohr
Planning and Zoning Director

Date: March 20, 2024

Project address and Description: Zoning Map Amendment 24-0001 to change the zoning of the parcel commonly known as 9300 Hamburg Rd. (TID 4715-24-103-038) from Medium Density Residential (RA) to Neighborhood Service. (Zoning Ordinance Section 36-177).

Owner: John & Patricia Weeks



The subject site (4715-24-103-038) total .75 acres at the intersection of Hamburg Rd. and Winans Lake Rd. The subject property is zoned in the Medium Density Residential (RA) district. The site is vacant of residential development but has been used historically for commercial purposes. There is currently a 1,700 sq ft structure on the parcel. In the [2020 Master Plan](#) the subject site has a Future Land Use Designation of Neighborhood Commercial.

PROJECT DESCRIPTION

On January 12, 2024, the applicant submitted a request to change the zoning district on this site from the RA district to the Neighborhood Service (NS) district.

The full list of permitted and special uses in the Medium Density Residential (RA) district is as follows:

Sec. 36-169. – Permitted Use Table - Medium Density Residential (RA); See attached.

The full list of permitted and special uses in the Neighborhood Service (NS) district is as follows:

Sec. 36-169. – Permitted Use Table – Neighborhood Service District (NS); – See attached.

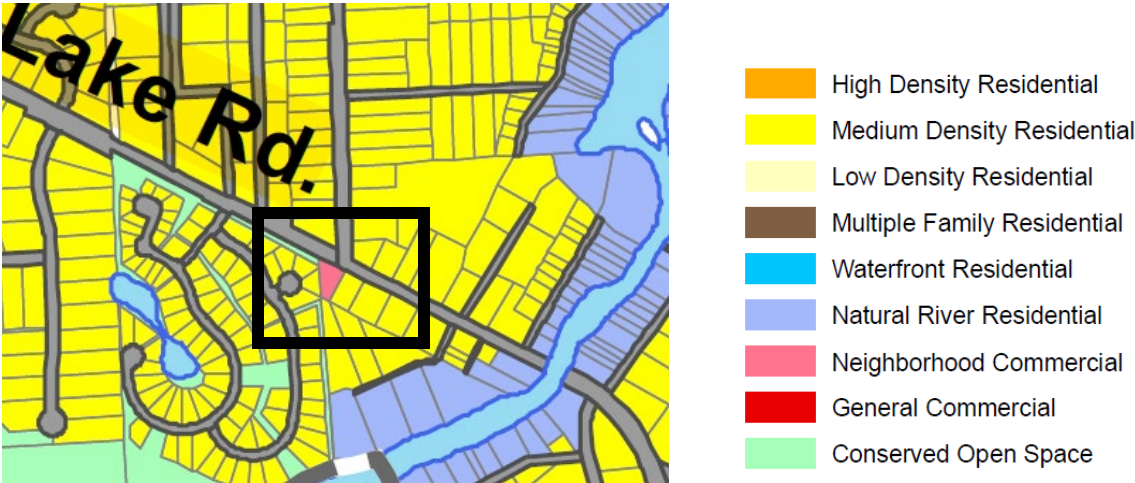
PROJECT ANALYSIS

The Hamburg Township Zoning Ordinance provides for a process, following [Public Act 110 of 2006](#), to change the zoning map but does not provide standards by which a map amendment should be considered. Staff offers the following for consideration by the Planning Commission.

1. The zoning map amendment should be compatible with the goals, policies, and future land use map of the Master Plan.

The 2020 Master Plan envisions 9300 Hamburg Rd. (TID 4715-24-103-038) as Neighborhood Commercial. Neighborhood Service (NS) district being the zoning map equivalent.

Future Land Use Map



Staff finds that the proposed NS could further the following goals and objectives of the Master Plan:

Goal 2: *Preserve the natural and historic character of Hamburg Township by accommodating a reasonable amount of development, but ensuring the development is in harmony with the natural features and the unique environmental requirements of the Township.*

Objective A: *Direct future development to areas most suited for that type of development.*

[Section 36-71](#)

A site plan approval shall be required prior to the issuance of a land use permit within all districts for the construction or expansion of any permitted or special use with the exception of individual single-family and two-family dwellings and general and specialized farming activities. A site plan approval shall also be required for all condominium projects as regulated under the Condominium Act. Site plan review shall be required for any of the following activities:

- (1) Erection, moving, relocation, conversion or structural alteration to a building or structure to create additional floor space, other than a single-family dwelling.*
- (2) Any development which would, if approved, provide for the establishment of more than one principal use on a parcel, such as, for example, a single-family site condominium or similar project where a parcel is developed to include two or more sites for detached single-family dwellings.*
- (3) Development of non-single-family residential uses in single-family districts.*
- (4) Any change in use that could affect compliance with the standards set forth in this chapter.*
- (5) Expansion or paving of off-street parking and/or a change in circulation or access for other than a single-family dwelling.*
- (6) Any excavation, filling, soil removal, or mining or landfill, except as otherwise specified.*
- (7) The development or construction of any accessory uses or structures, except for uses or structures that are accessory to a single-family dwelling.*
- (8) Any use or development for which submission of a site plan is required by the provisions of this chapter.*

(Zoning Ord. 2020, § 4.3, 1-5-2021)

2. Compatibility of the site's physical, geological, hydrological, and other environmental features with all uses permitted in the proposed zoning district compared to uses permitted under current zoning.

This site has been used for commercial use for several decades. No further expansion of the commercial structure is planned at this time.

3. If the request is for a specific use, rezoning the land is considered to be more appropriate than amending the list of permitted or special land uses in the current zoning district to allow the use.

There is no specific use proposed at this time, however rezoning in this case makes logical sense given the parcels historical use and future land use designation.

4. The parcel can meet the requirements of the proposed zoning district.

The parcel is conforming at .75 acres (32,474 sq ft) and is adequately sized to accommodate the current structure and any future utility/site improvements.

RECOMMENDATIONS:

Staff recommends the Planning Commission open the public hearing, take testimony from the applicant and staff as appropriate, discuss, and make a determination on zoning map amendment PZTA24-0001 to change the zoning of the parcel from RA to NS.

Example Approval Motion:

The Planning Commission recommends approval of Zoning Map Amendment 24-0001 to change the zoning of the parcel commonly known as 9300 Hamburg Road (TID 4715-24-103-038) from Medium Density Residential (RA) to Neighborhood Service (NS) (Zoning Ordinance Section 36-177) *for the following reasons* and directs staff to forward the request to Livingston County Planning for review.

Example Denial Motion:

The Planning Commission denies approval of Zoning Map Amendment 24-0001 to change the zoning of the parcel commonly known as 9300 Hamburg Road (TID 4715-24-103-038) from Medium Density Residential (RA) to Neighborhood Service (NS) (Zoning Ordinance Section 36-177) *for the following reasons*.

EXHIBITS:

- Application
- Zoning Ordinance Section 36-169 Permitted Use Table

**DRAFT
LIVINGSTON COUNTY
PLANNING COMMISSION
MEETING MINUTES**

April 17, 2024

6:30 p.m.

Hybrid In-Person and Virtual Zoom Meeting

**Zoom Virtual Meeting Room Meeting ID: 399-700-0062 / Password: LCBOC
<https://zoom.us/j/3997000062?pwd=SUdLYVFFcmozWnFxbm0vcHRjWkVIZz09>**

PLANNING COMMISSION	
COMMISSIONERS PRESENT:	Bill Anderson Matt Ikle Dennis Bowdoin Margaret Burkholder
COMMISSIONERS ABSENT:	
STAFF PRESENT:	Scott Barb Rob Stanford Martha Haglund
OTHERS PRESENT:	Bruce Powellson, Marion Township; Brian Prokuda, Deerfield Township; Brian Moore, Oceola Township; Patrice Shriver, Oceola Township

- 1. CALL TO ORDER:** Meeting was called to order by Planning Commissioner Anderson at 6:30 PM.
- 2. PLEDGE OF ALLEGIANCE TO THE FLAG**
- 3. ROLL AND INTRODUCTION OF GUESTS:** None.
- 4. APPROVAL OF AGENDA:**

Commissioner Action: IT WAS MOVED BY COMMISSIONER IKLE TO APPROVE THE AGENDA, DATED APRIL 17, 2024, SECONDED BY COMMISSIONER FUNK.

All in favor, motion passed 7-0.

- 5. APPROVAL OF PLANNING COMMISSION MEETING MINUTES**

Commissioner Action: IT WAS MOVED BY COMMISSIONER IKLE TO APPROVE THE MINUTES, DATED MARCH 20, 2024, SECONDED BY COMMISSIONER CALL.

All in favor, motion passed 7-0

- 6. CALL TO THE PUBLIC:** None.

7. ZONING REVIEWS:

**A. Z-07-24: HAMBURG TOWNSHIP, REZONING:
RA MEDIUM DENSITY RESIDENTIAL TO NS NEIGHBORHOOD SERVICE, SECTION 24.**

Current Zoning: RA Medium Density Residential District
Proposed Zoning: NS Neighborhood Service District
Section 24

Township Master Plan: Hamburg Township Master Plan Designates the site as Neighborhood Commercial. Below is an excerpt from the Township Master Plan:

***Neighborhood Commercial:** Neighborhood commercial includes all land and buildings where products, goods or services are provided to serve the residents of the immediate neighborhood areas. These uses are smaller, low traffic generating commercial services. This land use designation is for the maintenance of the existing commercial clusters located along M-36.*

Neighborhood commercial includes two areas that are located on the chain-of-lakes and one small area along Hamburg Road. These waterfront and neighborhood commercial areas are intended to develop for low intensity uses that serve the immediate neighborhood and boaters. Uses would include restaurants, bait shops or small neighborhood grocery stores. Developments in these areas are encouraged to take advantage of the Township's planned unit development provisions.

Township Planning Commission Recommendation: Approval. The Hamburg Planning Commission held a public hearing March 20, 2024, regarding the proposed rezoning. Public Comments: one individual spoke in favor of the rezoning, and another spoke against the proposed rezoning. Applicant Comments: discussed background about the site, it was used to house Advanced Countertops (no longer in business). Currently, the applicant uses the site for personal storage and does not currently propose another use. Commissioner Discussion: reviewed the process for zoning amendment, compatibility with Master Plan and uses that would be allowed in the proposed zoning.

Staff Recommendation: Approval. The proposed rezoning from Medium Density Residential (RA) to Neighborhood Service (NS) is compatible with the Hamburg Township Master Plan.

Commission Discussion: Commissioner Call asked how far the site is away from other commercial districts. Commissioner Funk asked if they could continue the current use.

Public Comment: None.

Commission Action:

Commissioner Action: IT WAS MOVED BY COMMISSIONER FUNK TO RECOMMEND APPROVAL, SECONDED BY COMMISSIONER BOWDOIN.

Motion passed: 7-0

**B. Z-08-24: OCEOLA TOWNSHIP AMENDMENTS TO THE ZONING ORDINANCE:
ARTICLE 4: USES AND DIMENSION TABLES, ARTICLE 5: STANDARDS FOR USE,
ARTICLE 12: GENERAL PROVISIONS, AND ARTICLE 19: DEFINITIONS; ANIMAL RESCUE
AND SANCTUARY OPERATIONS.**

The Oceola Township Planning Commission proposes amendments to Article 4: Uses and Dimension Tables, Article 5: Standards for Use, Article 12: General Provisions, and Article 19: Definitions of the Oceola Township Zoning Ordinance, related to the Keeping of Animals; and more specifically Animal Rescue and Sanctuary Operations.

Township Recommendation: Approval. The Oceola Township Planning Commission recommended Approval of this zoning amendment at its March 27, 2024, public hearing. Township residents had questions regarding manure handling; minimum acreage per animal unit for livestock limits not pertaining to animal rescue, shelter, and sanctuary operations; and complaint-based enforcement.

Staff Recommendation: Approval. The proposed amendments related to the keeping of animals in Oceola Township appear to be comprehensive, suitable, and reasonable. Staff would encourage the township to consider applying the recommendations offered in this review.

Commission Discussion: Commissioner Bowdoin (page 3 and page 5 in review) stated they don't mention wild animals that would be rescued in addition to livestock in the proposed ordinance language and minimum acreage requirements should consider useable acreage instead of simple acreage. Commissioner Funk stated as a resident of Oceola he is concerned about the acreage requirements as well and questioned where a resident would put animals and livestock that are not mentioned in the ordinance language (i.e., emus). Rescue to rehab operations should be more comprehensive in the ordinance language as well. Commissioner Schrock asked for clarification of animal units and if the intention is to limit the type of animals. Commissioner Ikle would like these issues that have been brought up and discussed to be included as conditions for approval and noted in the official decision letter that goes out to the township.

Public Comment: Patrice Shriver, Oceola Township, noted the two new standards in the ordinance language are more relevant in recent years and some standards were omitted in the past ordinance language. Wildlife rehab is state licensed and not included in the proposed language but could be addressed. Biosecurity was not addressed in the ordinance language as well.

Commission Action:

Commissioner Action: IT WAS MOVED BY COMMISSIONER IKLE TO RECOMMEND APPROVAL WITH CONDITIONS TO BE NOTED IN TOWNSHIP LETTER, SECONDED BY COMMISSIONER BOWDOIN.

Motion passed: 7-0

**C. Z-09-24: GREEN OAK CHARTER TOWNSHIP, REZONING:
GB GENERAL BUSINESS TO GB PUD GENERAL BUSINESS PLANNED UNIT DEVELOPMENT, SECTION 5.**

Current Zoning: GB General Business District

Proposed Zoning: GB PUD General Business Planned Unit Development District
Section 5

Township Master Plan: Green Oak Charter Township Master Plan Designates the site as General Commercial. Below is an excerpt from the Township Master Plan:

***General Commercial:** Uses are larger in scale and cater to a regional market. These areas have a closer relationship with highway uses and could include automobile related services, restaurants, shopping centers, etc. The criteria for location of these uses include accessibility to water and sewers, direct access to paved roads and lands capable of supporting development. General Commercial is appropriate near US-23 and M-36, US-23 and Eight Mile, and US-23 and Lee Road, and at select locations along Grand River Avenue, as designated on the Future Land Use Plan.*

Township Planning Commission Recommendation: Approval. The Green Oak Planning Commission held a public hearing March 21, 2024, to review the proposed rezoning. No public comments were heard. The Planning Commission recommended approval to rezone 4 acres on parcel 4716-05-300-040 from General Business to Planning Unit Development.

Staff Recommendation: Approval. The proposed rezoning from Medium Density Residential (RA) to Neighborhood Service (NS) is compatible with the Hamburg Township Master Plan.

Commission Discussion: Commissioner Ikle asked about ingress and egress of the proposed development. Applicant will need to provide private access agreement to the Township for approval.

Public Comment: None.

Commission

Commissioner Action: IT WAS MOVED BY COMMISSIONER CALL TO RECOMMEND APPROVAL, SECONDED BY COMMISSIONER IKLE
Motion passed: 7-0

8. **OLD BUSINESS:** None.

9. **NEW BUSINESS:** None.

10. **REPORTS:**

A. **2025 Livingston County Master Plan Workshop: at LESA, May 1, 2024. 12PM - 1PM.** Planning Staff and Commissioners discussed the upcoming County Planning 2025 Master Plan Workshop scheduled for May 1, 2024.

B. **Master Plan Map Survey (Brief Discussion):** Planning Staff presented some examples of data that will be utilized during the master planning process and discussed public participation results thus far in the master planning process.

11. **COMMISSIONERS HEARD AND CALL TO THE PUBLIC:** Commissioner Call stated that he has filed to fill the Handy Township Supervisor position. Commissioner Bowdoin suggested we hold an evening workshop for the 2025 Livingston County Master Plan to include those who can not make the May 1, 2024 workshop.

12. **ADJOURNMENT:**

Commissioner Action: IT WAS MOVED BY COMMISSIONER CALL TO ADJOURN THE MEETING AT 7:40 PM, SECONDED BY COMMISSIONER IKLE.
Motion passed: 7-0

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

To: Township Board of Trustees
From: David Rohr
Date: May 15, 2024
RE: Rezoning/Zoning Map Amendment

HISTORY:

Zoning Map Amendment (ZMA) 24-0001 to change the zoning of the parcel commonly known as 9300 Hamburg Rd. (TID 4715-24-103-038) from **Medium Density Residential (RA)** to **Neighborhood Service (NS)**. (Zoning Ordinance Section 36-177).

The Hamburg Township Planning Commission recommended approval of ZMA24-0001 March 20, 2024. Livingston County Planning Department of Planning recommended approval of ZMA24-0001 April 17, 2024

RECOMMENDATION:

Staff suggests that the Township Board discuss and review the Rezoning/Zoning Map Amendment ZMA24-0001. If the Board should decide, a resolution may be made to pass the proposed zoning map amendment.

Example Approval Motion

The Township Board approves zoning map amendment ZMA24-0001. This map amendment was discussed at the Hamburg Township Board of Trustees Meeting on May 7, 2024.

ATTACHMENTS:

- Planning Commission Documents
- Livingston County Planning Documents



**LIVINGSTON COUNTY PLANNING DEPARTMENT
REZONING REQUEST - | -
STAFF REPORT**

CASE NUM Item 19.
Z-07-24

COUNTY CASE NUMBER:	Z-07-24	TOWNSHIP:	Hamburg Township
REPORT DATE:	4/3/2024	SECTION NUMBER:	24
STAFF ANALYSIS BY:	Martha Haglund	TOTAL ACREAGE:	.75


APPLICANT / OWNER:	John & Patricia Weeks
LOCATION:	9300 Hamburg Rd. (4715-24-103-038)
LAND USE:	Personal Storage

CURRENT ZONING:	REQUESTED ZONING:
RA-Medium Density Residential	NS-Neighborhood Service
PERMITTED/SPECIAL USES (Not all inclusive):	PERMITTED/SPECIAL USES (Not all inclusive):
Permitted: RA: Single family dwelling, roadside stands, farming, bed and breakfast short-term rental unit, accessory dwelling unit.	Permitted: NS: Live work unit, neighborhood shopping, retail stores, grocery stores, food and beverage stores establishments, and professional offices.
Special: RA: Schools, government buildings, golf courses, two family dwellings, recreation clubs, religious institutions, public and private parks and open space.	Special: NS: Single-family dwelling, two family dwelling, dry cleaning establishments, laundromats, open air businesses, apartments, gasoline service stations marinas, boat sales, and childcare centers.
Minimum Lot Area: 43,560 sq ft.	Minimum Lot Area: 10,000 sq ft.

TOWNSHIP PLANNING COMMISSION RECOMMENDATION AND PUBLIC COMMENTS:	ESSENTIAL FACILITIES AND ACCESS:
<p>The Hamburg Planning Commission held a public hearing March 20, 2024, regarding the proposed rezoning.</p> <p>Public Comments: one individual spoke in favor of the rezoning, and another spoke against the proposed rezoning.</p> <p>Applicant Comments: discussed background about the site, it was used to house Advanced Countertops (no longer in business). Currently, the applicant uses the site for personal storage and does not currently propose another use.</p>	Water: Public Water
	Sewer: Public Sewer
	Access: Winans Rd.

Commissioner Discussion: reviewed the process for zoning amendment, compatibility with Master Plan and uses that would be allowed in the proposed zoning.

EXISTING LAND USE, ZONING AND MASTER PLAN DESIGNATION:

		Land Use:	Zoning:	Master Plan:
	Subject Site:	Personal Storage/Garage	Medium Density Residential	Neighborhood Commercial
	To the North:	Residential	Single Family, Medium Density Residential & Waterfront Residential	Medium Density Residential
	To the East:	Residential	Single Family, Medium Density Residential	Medium Density Residential
	To the South:	Residential	Single Family, Medium Density Residential	Medium Density Residential
	To the West:	Residential	Single Family, Medium Density Residential	Medium Density Residential

ENVIRONMENTAL CONDITIONS:

Soils / Topography:	This is a flat, developed site with Fox/Sandy Loam soils.
Wetlands:	There does not appear to be any wetlands located on site.
Vegetation:	There is not significant vegetative cover located on site.
County Priority Natural Areas:	No priority natural areas are located on the site.

TOWNSHIP MASTER PLAN DESIGNATION:

Hamburg Township Master Plan Designates the site as Neighborhood Commercial. Below is an excerpt from the Township Master Plan:

Neighborhood Commercial: Neighborhood commercial includes all land and buildings where products, goods or services are provided to serve the residents of the immediate neighborhood areas. These uses are smaller, low traffic generating commercial services. This land use designation is for the maintenance of the existing commercial clusters located along M-36.

Neighborhood commercial includes two areas that are located on the chain-of-lakes and one small area along Hamburg Road. These waterfront and neighborhood commercial areas are intended to develop for low intensity uses that serve the immediate neighborhood and boaters. Uses would include restaurants, bait shops or small neighborhood grocery stores. Developments in these areas are encouraged to take advantage of the Township's planned unit development provisions.

COUNTY COMPREHENSIVE PLAN:

The 2018 Livingston County Master Plan does not direct future land use patterns, or development within Livingston County. Alternatively, it offers a county-wide land use perspective when reviewing potential rezoning amendments. The Land Use & Growth Management chapter of the plan includes decision-making recommendations regarding potential land use conflicts and promoting good land governance.

COUNTY PLANNING STAFF COMMENTS:

The Hamburg Township Zoning Ordinance provides for a process, following Public Act 110 of 2006, to change the zoning map but does not provide standards by which a map amendment should be considered. Historically, staff reports used the below criteria to review proposed rezoning and county staff also utilized these criteria for this review.

1. The zoning map amendment should be compatible with the goals, policies, and future land use map of the Master Plan.

The parcel is designated as Neighborhood Commercial in the Master Plan. The Township Master Plan does not have a Zoning Plan that outlines corresponding Zoning Districts to their Future Land Use designation. However, the description of Neighborhood Commercial would be compatible with the planned designation of Neighborhood Service.

Previously, the site was used as a light commercial site and the Hamburg Township incorporated this use into their Master Plan. Further, county staff would concur with the township planner that rezoning would support:

Master Plan Goal 2: Preserve the natural and historic character of Hamburg Township by accommodating reasonable amount of development, but ensuring the development is in harmony with the nature features and unique environment requirements of the Township.

2. Compatibility of the site's physical, geological, hydrological, and other environmental features with all uses permitted in the proposed zoning district compared to uses permitted under current zoning.

The site is developed with a 1500 sq ft. building on approximately 0.75 acre. The existing use is compatible with both the existing and proposed rezoning. This is a small site that has limited development potential.

In the future, some uses permitted in the Neighborhood Service district may not all be compatible with the surrounding residential uses. Additionally, the site is located at an intersection. Depending on the future use there could be conflict with traffic flow in the area.

Nevertheless, both the Master Plan and Zoning Ordinance acknowledge that the Neighborhood Service district may be within residential areas. Also, given the limited development potential of the site the proposed rezoning could be appropriate.

3. If the request is for a specific use, rezoning the land is considered to be more appropriate than amending the list of permitted or special land uses in the current zoning district to allow the use.

The applicant has not proposed a use for the site. Therefore, amending the permitted or special uses would not be more appropriate than rezoning the land.

4. The parcel can meet the requirements of the proposed zoning district.

The parcel is large enough to meet the requirements of the proposed zoning district. The minimum lot area for Neighborhood Service is 10,000 sq ft the site has 32,474 sq ft. The rezoning would not cause a change public services.

COUNTY PLANNING STAFF RECOMMENDATION:

Approval. The proposed rezoning from Medium Density Residential (RA) to Neighborhood Service (NS) is compatible with the Hamburg Township Master Plan.

EXISTING LAND USE:

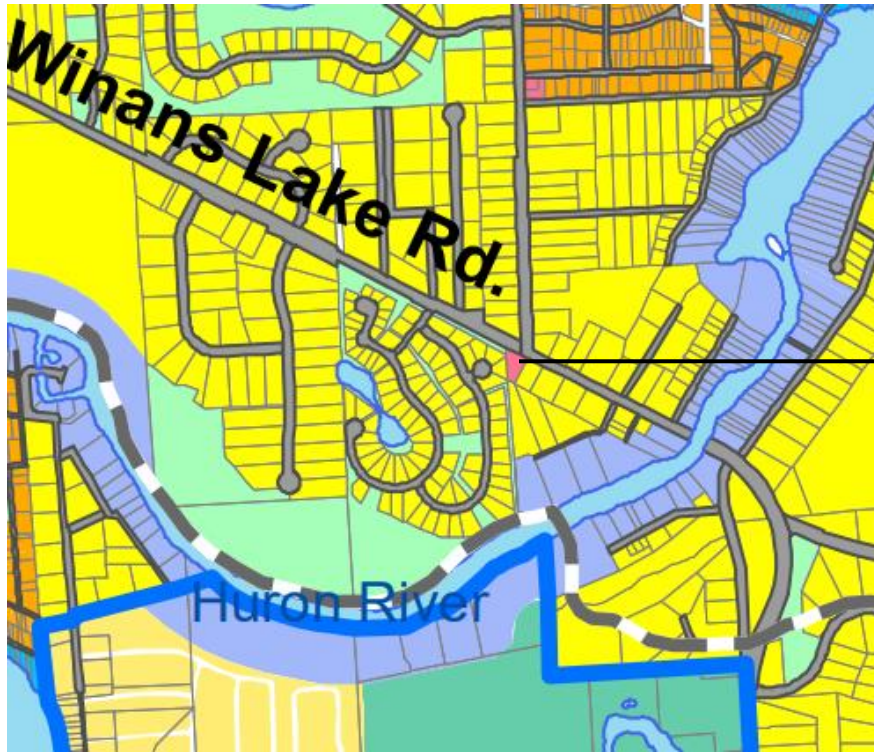


Rezoning Request

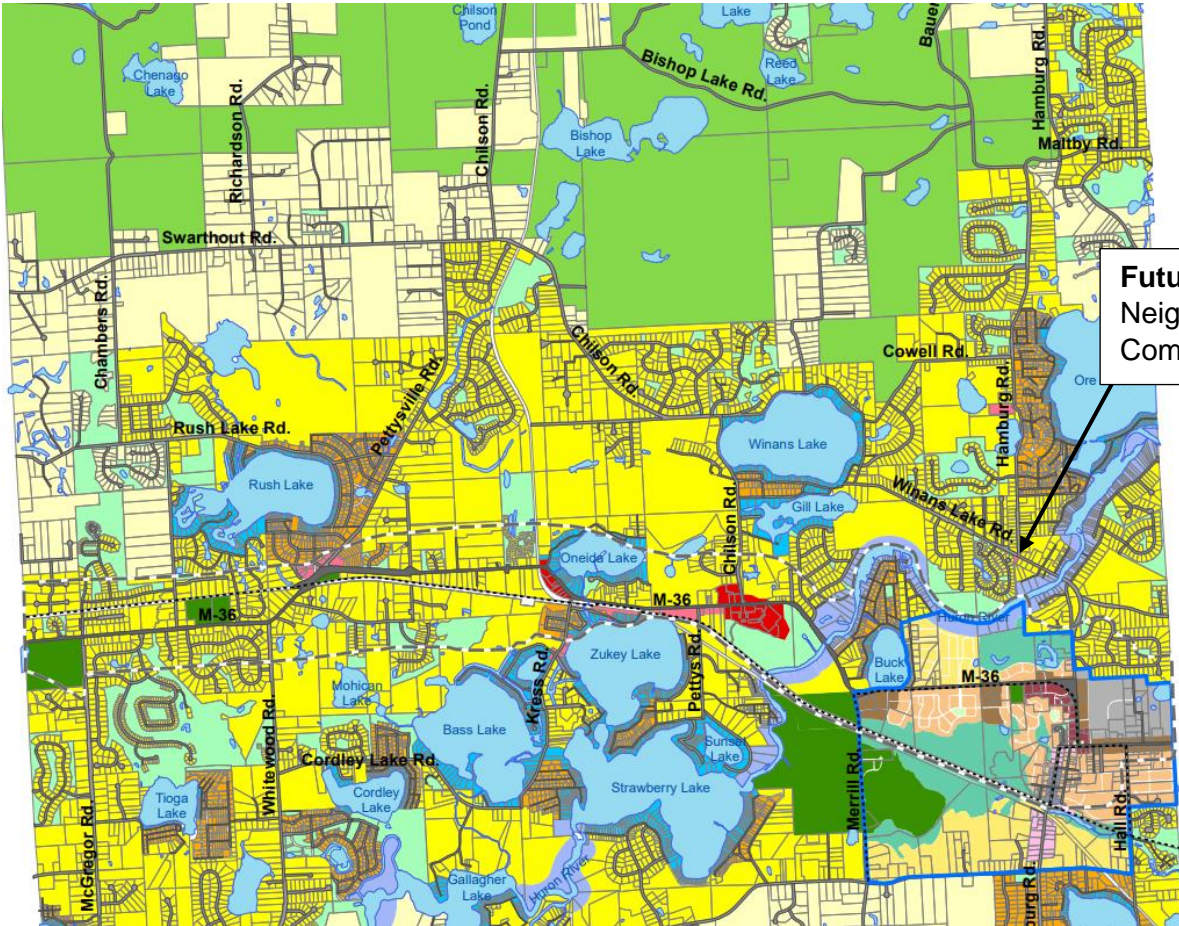
- 0.75 acres
- Existing 1500 Sq ft building
- Currently used for personal storage



FUTURE LAND USE MAP:

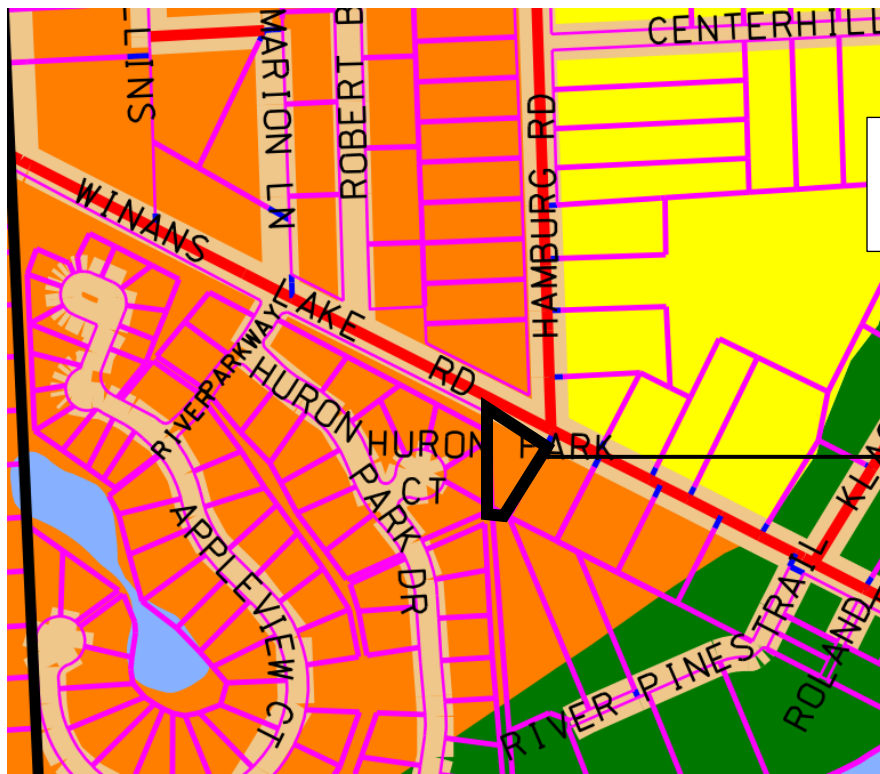


Future Land Use:
Neighborhood
Commercial



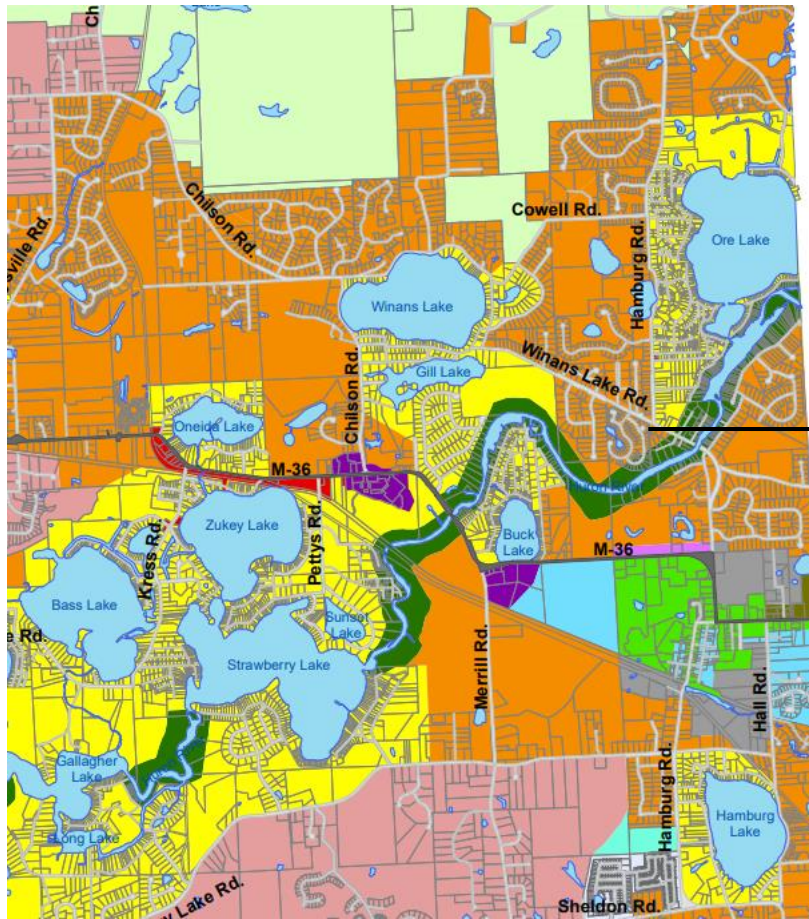
Future Land Use:
Neighborhood
Commercial

TOWNSHIP ZONING MAP:



Zoning:
Waterfront Residential

Zoning:
Single Family,
Medium Density Residential



Zoning:
Single Family,
Medium Density Residential



PHONE 810-231-1000
planning@hamburg.mi.us

P.O. Box 157
10405 Merrill Road
Hamburg, Michigan 48139

ZONING AMENDMENT APPLICATION

Please note: All required information, copies, fees, and other materials as appropriate must be submitted and complete before the Township Planning Commission will set a public hearing date on the Zoning Amendment Application.

Application fees and review fees are required at the time of application.

Zoning Amendments have application fees and review fees. Review fees shall be placed into a non-interest bearing escrow account. Upon final review, review fee balances shall be returned upon receipt of final billing. The applicant shall be responsible for all costs incurred.

The undersigned hereby makes application for a Zoning Amendment for: (Check all that apply)

1. **TYPE OF PROJECT:** Zoning Text Amendment Zoning Map Amendment

2. **PROJECT NAME:** JOHN & PATRICIA WEEKS Submittal Date: 1/12/24

3. **PROJECT ADDRESS:** 9300 HAMBURG RD

Tax Code Numbers: 15 - _____ 15 - _____ 15 - _____
15 - _____ 15 - _____ 15 - _____

Metes & Bounds Parcel Subdivision _____ Lot Numbers: _____

4. **ZONING MAP AMENDMENT:** (please attached the existing zoning map and a proposed zoning map as a separate document)

Existing Zoning District Classification: RA Proposed Zoning District Classification NS

Number of Lots Proposed: 1 Acreage of Project: .75

5. **ZONING TEXT AMENDMENT:** (please attached the existing zoning ordinance and the proposed revisions as a separate document)

Zoning Ordinance Section proposed to be amended _____

6. **PROJECT DESCRIPTION (reason for amendment):**

REQUESTING REZONING FROM RA TO NS

7. **OWNER/PROPRIETOR INFORMATION:**

Name: JOHN & PATRICIA WEEKS Phone Number(s): 734-637-1241
Email: pwirtz3@gmail.com Address: 9300 HAMBURG RD
City: BRIGHTON State: MI Zip: 48116

8. **APPLICANT:**

Name: SAME Phone Number(s): _____
Email: _____ Address: _____
City: _____ State: _____ Zip: _____

ZONING AMENDMENT PROCESS: (Zoning Ordinance, Article 12)

1. Application. Petitions for amendments by individual property owners shall be submitted to the Zoning Administrator on a standard application form provided and shall be accompanied by a fee in accordance with the duly adopted schedule of fees, to cover administrative and publication costs. No part of such fee shall be returnable to the petitioner if the public hearing is held.
2. Referral to Planning Commission. All proposals for amendment shall be referred to the Planning Commission for their review and recommendation. The Planning Commission shall consider each proposal for amendment in terms of its own judgment on particular factors related to the individual proposal, the most likely effect on the community's physical development, and conformance with the Township Master Plan. The Planning Commission may recommend any additions or modifications to the original amendment proposal.
3. Public Hearing. Upon receipt of an application for an amendment, the Planning Commission shall hold a public hearing in accordance with the notification procedures described in Section 3.8.
4. Upon receipt of recommendation from the Planning Commission and the County Planning Commission, the Township Board shall consider the proposed amendment. The Township Board may hold additional hearings it deems necessary. Notice of a public hearing held by the Township Board shall be published in a newspaper of general circulation in the Township not more than fifteen (15) days nor less than five (5) days before the hearing.
5. If the Township Board shall deem any changes to the proposed amendment advisable, it shall refer the same to the Planning Commission for a report within a time specified by the Township Board. After receiving the report, the Township Board shall grant a hearing on the proposed amendment to a property owner who by certified mail addressed to the Township Clerk requests a hearing. The Township Board shall request the Planning Commission to attend the hearing.
6. Thereafter, the Township Board may adopt the amendment with or without changes by majority vote in accordance with procedures of Act 184 of 1943, as amended.
7. No application for a rezoning which has been denied by the Township Board shall be resubmitted for a period of one (1) year from the date of the last denial, except on grounds of newly discovered evidence or proof of changed conditions found upon inspection by the Township Board to be valid.
8. Amendments adopted by the Township Board shall be filed with the Township Clerk and one notice of amendment adoption shall be published in a newspaper of general circulation in the Township within fifteen (15) days after adoption. The notice of amendment adoption shall contain the following information: either a summary of the regulatory effect of the amendment, including the geographic area affected, or the text of the amendment; the effective date of the amendment; and, the time and place where a copy of the amendment may be purchased or inspected.

APPLICANT CERTIFICATION:

I hereby certify that all uses for which this application is made shall conform to the Ordinances of Hamburg Township, Livingston County and the State of Michigan. All information submitted as a part of the zoning amendment application is to my knowledge accurate. If the information is determined either now or in the future to be inaccurate any permits granted for the incorrect information shall be void and any structures built or uses approved may be in violation of the required ordinances and must otherwise be brought into compliance with all regulations.

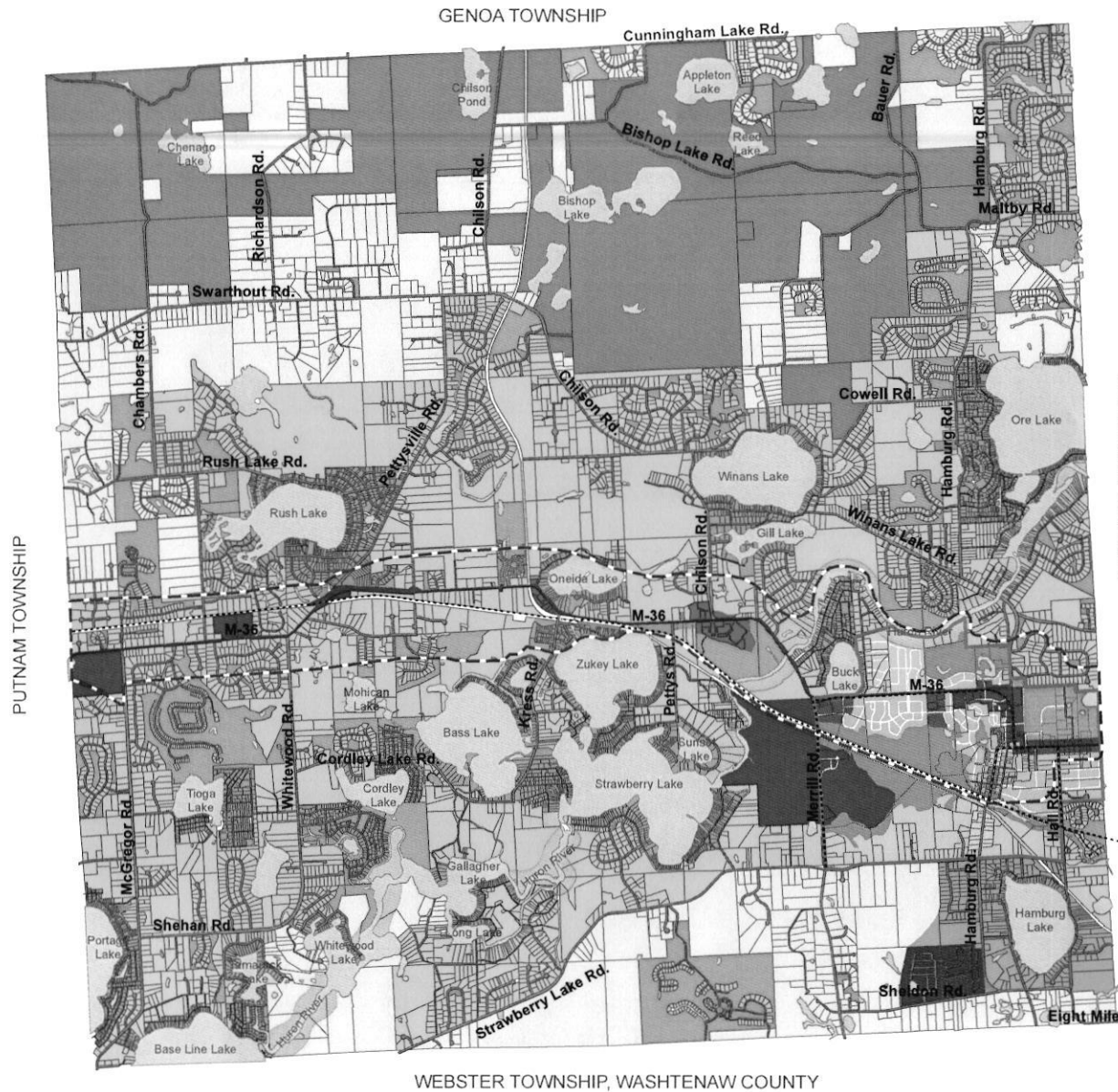
I further agree that any deviation from the application submitted or the breach of any additional safeguards, conditions or requirements the Hamburg Township may impose in granting this application shall constitute a violation of the Ordinance and invalidate the permit granted.

PROPERTY OWNERS SIGNATURE: John Weeks DATE: 1/12/24
Patricia Weeks

*If an agent submits the project to the Township for the property owner a letter authorizing must be submitted.

Map 4 Future Land Use

Hamburg Township, Livingston County, Michigan



- High Density Residential
- Medium Density Residential
- Low Density Residential
- Multiple Family Residential
- Waterfront Residential
- Natural River Residential
- Neighborhood Commercial
- General Commercial
- Conserved Open Space
- Public and Private Recreational Facilities
- Public/Quasi-Public
- Water Bodies
- M-36 Corridor
- Trail
- Village Center Area**
 - Village Residential-2
 - Village Residential-10
 - Village Core
 - Village Gateway
 - Village Historic
 - Village Transition
 - Industrial
 - Conservation District
 - Parkland
 - Village Boundary



Source: Hamburg Township, 2020

08/2020

Sec. 36-177. - Schedule of use regulations—NS Neighborhood Service District.

Item 19.

(a) *Permitted uses.*

- (1) Planned neighborhood shopping centers are subject to the following conditions:
 - a. Only those uses specifically permitted in NS Neighborhood Service shall be permitted within such development.
 - b. Minimum lot size shall be one acre with not less than 150 feet of road frontage.
 - c. The exterior of all buildings within such development shall be of consistent architectural treatment so as to provide a unified appearance.
- (2) Retail stores for the sale of products such as hardware and paint, clothing, drugs, and notions, gifts, books and records.
- (3) Food and beverage stores for the sale of groceries; fruit and meat; baked goods; dairy products; beverages and liquor.
- (4) Food and beverage service establishments such as restaurants without drive-through service, dairy bars, and taverns provided all food and beverages shall be served from within an enclosed building.
- (5) Personal service establishments such as barbershops, beauty salons, laundry pick-up, and other similar uses.
- (6) Business and professional offices, such as legal, engineering, financial, insurance, accounting, medical, dental, government and other similar offices.
- (7) Banking and financial institutions without drive-through windows.
- (8) Repair shops for bicycles, appliances, shoes, jewelry, small motors, and other such items but not motor vehicles.
- (9) Public buildings, fire stations, community centers, and maintenance buildings.
- (10) Churches and other buildings associated with religious worship, but not including housing for religious personnel.
- (11) Signs subject to the provisions of article XIII of this chapter.
- (12) Accessory indoor uses subject to the provisions of section 36-215(12).
- (13) Essential services subject to the provisions of section 36-216.
- (14) Collection bins subject to the provisions of section 36-244.

(b) *Special uses.*

- (1) Open air business for the sale of products or the conduct of activities listed or performed in conjunction with a permitted use in NS Neighborhood Service.
- (2) Dry cleaning establishments subject to the following:
 - a. Dike containment area for storage of hazardous materials.

- b. No connections to waste water discharge in work area and no floor drains.
 - c. Dry to dry loop non-vent system equipment.
 - d. Compliance with all Michigan Health Department requirements.
- (3) Laundromats shall be connected to public sewer.
- (4) Drive-through establishments for the provisions of goods or services of a permitted use in NS Neighborhood Service (e.g., drive-through restaurant or drive-through bank) subject to the following conditions:
- a. Ingress and egress points shall be located at least 60 feet from the intersection of any two streets (measured from the nearest right-of-way line or further if necessary based on the required traffic impact study).
 - b. Any corner or double-frontage site shall be limited to one entrance/exit drive for each separate public road frontage. A site with only one public road frontage shall be permitted no more than two entrance/exit drives. Coordinated access with adjoining sites is encouraged and may be required.
 - c. Devices for the transmission of voices shall be so directed or muffled as to prevent sound from being audible beyond the boundaries of the site.
- (5) Apartments subject to the provisions of section 36-235.
- (6) Gasoline service stations subject to the following conditions:
- a. All activities, except those required to be performed at the service island, shall be conducted entirely within an enclosed building.
 - b. Bumping, painting, and major mechanical repairs are specifically prohibited.
 - c. Outdoor storage of wrecked or dismantled vehicles shall not be permitted.
 - d. Access points shall meet the standards of the Township and may be modified, as necessary, based on the required traffic impact study.
- (7) Bed and breakfast inn.
- (8) Marinas, subject to the following conditions:
- a. Docking space shall be limited to the maximum number of boats allowed by the EGLE marina operating permit and the standards of the Township common use (keyhole) regulations contained in section 36-291.
 - b. Access shall be provided only from the water and a major arterial road.
 - c. All piers and wharves shall be setback a minimum of 15 feet from any side lot line, provided further that such piers and wharves shall be installed such that the boat moored is a minimum of six feet from any side lot line.
 - d. The number of public launches shall be limited to the number of parking spaces available

for the storage of vehicles with boat trailers.

- e. Pump-out facilities shall be provided at the marina for disposal of refuse from boat holding tanks in a sanitary manner. Toilet facilities shall be provided meeting the requirements of the Livingston County Health Department.
- f. Refuse and garbage containers shall be provided and kept in clean and sanitary condition for the use of boat owners.
- g. Facilities shall be provided for the safe and sanitary disposal of oil and other engine fluids.
- h. Major repair or dismantling of boats shall be conducted within an enclosed building.
- i. All areas utilized for dry-docking/on-land storage of boats shall meet the requirements for boat dry-dock storage.
- j. Other related uses such as boat sales and service, food and beverage store, food and beverage service establishment or retail store may be located on the same site, provided such use is permitted in the zoning district and site meets the requirements for all applicable uses.

(9) Boat sales and service, subject to the following:

- a. Access shall be provided form a major arterial road.
- b. Repair or dismantling of boats shall be conducted within an enclosed building.
- c. All areas utilized for outdoor storage of boats shall meet the requirements for boat dry-dock storage, except that the planning commission may allow up to three boats located outdoors to be visible from the public right-of-way.
- d. All areas utilized for storage of boats shall be setback 50 feet from any residential zoning district.
- e. All boat or trailer storage areas shall be screened from view of any abutting residentially zoned or used land and the public road right-of-way by a continuous opaque visual barrier consisting of a row of evergreen trees or a masonry wall not less than six feet in height, or other screening approved by the planning commission. The planning commission may require additional screening and setbacks where outdoor multi-level boat racks are proposed.

(10) Adult foster care large and/or small group homes, subject to the provisions of section 36-237.

(11) Childcare center, subject to the provisions of section 36-219.

(Zoning Ord. 2020, § 7.5.1(l), 1-5-2021)

Livingston County Department of Planning



LIVINGSTON COUNTY PLANNING COMMISSION MEETING

Wednesday, April 17, 2024 – 6:30 p.m.

Administration Building, Board of Commissioners Chambers
304 East Grand River, Howell, MI 48843

Please note that this is a hybrid meeting with County Planning Commissioners and staff meeting in-person. Audience participants are welcome to attend in-person or via Zoom by using the meeting link at the bottom of the agenda.

Scott Barb
AICP, PEM
Director

Robert A. Stanford
AICP
Principal Planner

Martha Haglund
Principal Planner

Agenda

1. Call to Order
2. Pledge of Allegiance to the Flag
3. Roll and Introduction of Guests
4. Approval of Agenda – April 17, 2024
5. Approval of Meeting Minutes – March 20, 2024
6. Call to the Public
7. Zoning Reviews
 - A. Z-07-24: Hamburg Township Rezoning, Section 24, RA to NS
 - B. Z-08-24: Oceola Township Text Amendment, Sections 5.04 & 19, Animal Rescue and Sanctuary Operations
 - C. Z-09-24: Green Oak Township Rezoning, Section 5, GB to GB/PUD
8. Old Business:
9. New Business:
10. Reports
 - A. 2025 Master Plan Workshop: May 1, 2024 at LESA 12-1 PM.
 - B. Master Plan Map Survey (Brief Discussion)
11. Commissioners Heard and Call to the Public
12. Adjournment

Department Information

Administration Building
304 E. Grand River Avenue
Suite 206
Howell, MI 48843-2323

•
(517) 546-7555
Fax (517) 552-2347

•
Web Site
<https://milivcounty.gov/planning/>

Via Zoom (on-line meetings):

<https://zoom.us/j/3997000062?pwd=SUdLYVFFcmozWnFxbm0vcHRjWkVIZz09>

Via the Zoom app

Join a meeting, with meeting number: **399 700 0062**

Enter the password: **LCBOC** (ensure there are no spaces before or after the password)

Meeting ID: **399 700 0062**

Password: **886752**

LAW OFFICES
**COUZENS, LANSKY, FEALK, ELLIS
 ROEDER & LAZAR, P.C.**

SHELDON A. FEALK
 JACK S. COUZENS, II
 JERRY M. ELLIS
 DONALD M. LANSKY
 BRUCE J. LAZAR
 ALAN C. ROEDER
 RENARD J. KOLASA
 KATHRYN GILSON SUSSMAN
 JEFFREY A. LEVINE
 PHILLIP L. STERNBERG
 LISA J. WALTERS
 DONALD A. WAGNER
 GREGG A. NATHANSON
 MARK S. FRANKEL
 DAVID A. LAWRENCE
 RONN S. NADIS
 PHILLIP J. NEUMAN
 MONICA D. MOONS
 JOSEPH H. WENER
 CHRISTOPHER M. WILLIAMS
 STEPHEN M. FELDMAN
 MATTHEW A. FERRARA
 MARK E. MERLANTI

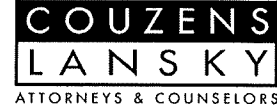
GARY SCHWARCZ
 MICHAEL K. DOROCAK
 JENNIFER K. JOHNSON
 JEFFREY D. RYAN
 PRERANA R. BACON
 EMILY M. SULLIVAN

OF COUNSEL

MARK G. LANDAU
 STEPHEN L. GUTMAN
 EUGENE W. PYATENKO
 CHIARA MATTIESON
 EDWIN SADIK
 GEOFFREY L. SILVERMAN
 LAWRENCE F. SCHILLER
 KENNETH F. POSNER

COUNTRY CLUB OFFICE CENTRE
 39395 WEST TWELVE MILE ROAD, SUITE 200
 FARMINGTON HILLS, MICHIGAN 48331

TELEPHONE (248) 489-8600
 TELECOPIER (248) 489-4156



www.couzens.com

April 11, 2024

VIA EMAIL ONLY: drohr@hamburg.mi.us

Mr. David Rohr
 Planning and Zoning Director
 Hamburg Township
 10405 Merrill Rd.
 P.O. Box 157
 Hamburg, MI 48139

**Re: Request for Approval of HPUD Amendment
 Chilson Commons Shopping Center**

Dear Mr. Rohr:

We represent the developer of the Chilson Commons Shopping Center Condominium, Chilson Commons, L.L.C. Three new condominium units, including Unit 9 at the westerly end of the development, were created in a 2020 amendment to the HPUD Agreement. The amendment provides that there would be no further access points to M-36 from the shopping center in connection with adding the three new Units. Unfortunately, it now appears that any commercial development on Unit 9 will, in fact, require one additional access point. This was discovered during the due diligence of a proposed buyer of the Unit that is proposing to use the site as a car wash and, under the circumstances, is requiring a curb cut to M-36. Chilson Commons believes that facilitating a commercial development on Unit 9, and a car wash in particular, will be beneficial to the community both because of this proposed use and its proposed location. This will, however, require a modification of the existing HPUD Agreement. Attached hereto as **Exhibit "A"** is the proposed HPUD Amendment for which Township approval is now being requested.

The proposed amendment contains two substantive changes. The first, is a reconfiguration of Units 7 and 9. The developer wishes to reconfigure Unit 9 so that it will overlap less with the wetlands to the south and thus provide a more usable site for development. This includes splitting off a portion of Unit 7 (currently owned but unused by the Kroger gas station), connecting it to Unit 9 and creating a more horizontal shape. These changes are shown on the proposed new HPUD site plan (see, exhibit to Exhibit A).

Mr. David Rohr
Planning and Zoning Director
Hamburg Township
April 11, 2024
Page 2

The second change relates to the above referenced need to create access from the Unit 9 site to M-36. The site abuts M-36 on its northerly boundary, but is currently otherwise landlocked. Note that the car wash developer has requested access through the neighboring parcel to the west and through the Kroger gas station to the east and both are unwilling to allow access through them. See, **Exhibit "B"** attached hereto. This leaves only two options for access. The first would be to route traffic through the westerly entrance of the shopping center southerly, then create a new roadway south of the Kroger gas station (Unit 7) and then into the southerly side of Unit 9. The car wash developer has commissioned a study of this possible approach which concluded that it is not possible from a technical perspective because existing regulated floodplain regulations make building such an access road impossible. As the study points out, even if it were technically possible, it would certainly not be a desirable solution from EGLE's perspective or for the environment. Attached hereto as **Exhibits "C" and "D"** respectively, are study results prepared by Stonefield Engineering and Design analyzing this access option and a preliminary site plan for Unit 9 illustrating the issues.

The only remaining option is to create an access point from M-36. In response to a previous submission regarding this access request, the Township Chief of Police identified several potential traffic issues. Since then, a traffic study was commissioned to analyze the traffic concerns raised. Attached hereto as **Exhibit "E"** is a Traffic Impact Study prepared by an engineering firm specializing in traffic matters, Fleis & Vanderbrink, which confirms that the curb cut in the location shown on the preliminary site plan for the car wash attached hereto as **Exhibit "F,"** will not create adverse traffic or safety issues.

Finally, MDOT has analyzed the site and indicated that so long as the cut is directly across from the curb cut for the shopping center across M-36, it will provide its approval. See MDOT application and approval documentation attached hereto as **Exhibit "G."** The preliminary site plan (Exhibit F) shows the location of the proposed curb cut as required by MDOT.

We request that the modifications reflected in the proposed HPUD Amendment be placed on the May 7, 2024 Township Board of Trustees meeting agenda for consideration. If you have any questions or would like to discuss any aspect of this request with me or any of the referenced consultants in advance of the meeting, please feel free to contact me.

Very truly yours,

**COUZENS, LANSKY, FEALK, ELLIS,
ROEDER & LAZAR, P.C.**



Ronn S. Nadis
Ronn.Nadis@Couzens.com

RSN/vs
Encls.

cc (w/encls.): Chilson Commons, LLC
EROP LLC d/b/a Hypershine Car Wash
Pat Hohl, Supervisor, Hamburg Township

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

To: Township Board of Trustees
From: David Rohr
Date: December 19, 2023
RE: M-36 Access for Proposed Car Wash

HISTORY:

On August 1, 2023, Township/County Staff met with members of a development team in a Pre-Application meeting to discuss a proposed car wash on the westerly parcel of Chilson Commons site on M-36. Township staff was informed that the development was denied access to the site through the existing Chilson Common access points along M-36. Therefore, the site could only be accessed by a new curb cut onto M-36.

The amended HPUD agreement, December 4, 2020, forbids any new access points along M-36. The Developer is asking the Board to amend the development agreement. Planning staff has several concerns about this proposed access onto M-36. Principally, the proposed intersection will cause major safety issues, especially during rush hour. Staff believes that a curb cut on M-36 is unnecessary and that the proposed site can be easily accessed by the existing curb cut(s) to Chilson Commons site. If the owner/operator of Chilson Commons wishes to develop that out parcel, then utilizing the existing access points is the most logical route.

RECOMMENDATION:

Staff recommends that the Township Board deny the proposed amendment to the HPUD agreement.

ATTACHMENTS:

- Proposed Car wash site plan
- HPUD Development agreement



Hamburg Township Public Safety Department



Item 20.

PO BOX 157 · HAMBURG, MICHIGAN 48139
PHONE: (810) 231-9391 · FAX: (810) 231-9401
EMAIL: HATP@hamburg.mi.us
RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY

TO: Hamburg Township Board
FROM: Chief Richard Duffany
DATE: November 17, 2023
RE: Agenda Item Topic: **Public Safety Assessment – Proposed Car Wash**
General Ledger #:
Number of Supporting Documents: N/A
NEW/OLD BUSINESS: **XXX** New Business
_____ Old Business – Previous Agenda #:

Background

A car wash has been proposed to be constructed on a vacant parcel of land on the south side of M-36 west of Chilson Commons Circle (west of and adjacent to the current Kroger gas station). The site development plans for this proposed car wash contemplate the construction (curb cut) of a driveway for ingress and egress to the car wash from M-36. Hamburg Township Zoning & Planning Director David Rohr requested that I conduct a review of the plans to assess the impact upon public safety specifically as they relate to the proposed driveway and traffic safety.

Assessment

In reviewing the plans, including the proposed driveway on M-36, I have identified two areas of concern relating to traffic safety. The first issue involves vehicles exiting the car wash onto M-36. The proposed car wash driveway would be located directly across from the east driveway of the Hamburg Village Shopping Center. Another driveway is located approximately 150 feet east of the shopping center driveway and primarily serves two businesses (A&J’s Quick Lube and the BP gas station).

Motorists attempting to exit the car wash and make a left-hand turn onto westbound M-36 would not only have to negotiate the turn while ensuring that the roadway is sufficiently clear of vehicles traveling on both eastbound and westbound M-36 but would have to contend with vehicles entering the roadway at that location from additional directions (from the two aforementioned business driveways).

Additionally, and more significantly, when vehicles traveling eastbound on M-36 are either in the left turn lane awaiting to proceed north on Chilson Road or are stopped for a red signal at Chilson Road, a driver attempting to make a left-hand turn out of the car wash will have a reduced line of sight of westbound traveling vehicles increasing the chances of a traffic mishap.



Hamburg Township Public Safety Department

PO BOX 157 · HAMBURG, MICHIGAN 48139
PHONE: (810) 231-9391 · FAX: (810) 231-9401

EMAIL: HATP@hamburg.mi.us

RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



Item 20.

This first area of concern can be mitigated with the installation of a traffic control device prohibiting vehicles exiting the car wash from turning left out of the lot and requiring them to turn right onto M-36. Pursuant to MCL 257.71, this would require that a traffic control order be obtained from the Michigan Department of Transportation as M-36 is a state trunkline highway.

Also to note, while the traffic control device would help reduce the traffic hazards associated with vehicles attempting to turn left out of the car wash, there may be unforeseen issues which arise as patrons of the car wash wishing to go west on M-36 find alternate means to “turn around” after being forced to turn right. It would be reasonable to assume that they would use the private property open to the general public in that area (to wit: Chilson Commons, BP gas station and the Hamburg Village Shopping Center).

The second area of concern involves usage of the center turn lane near the proposed driveway. Vehicles travelling westbound on M-36 wishing to make a left turn into the carwash will be entering the turn lane as eastbound vehicles may be entering/present in that lane to turn left into the gas station or onto northbound Chilson Road. In short, vehicles travelling in opposite directions will be vying for the same portion of the center turn lane substantially increasing the risk of a traffic crash. This increased risk is not only created by the potential for the opposite traveling vehicles striking each other but from the potential for rear-end crashes as these vehicles slow/stop in the travel lane awaiting for the center turn lane to clear. I would note that this stretch of M-36 is a posted 45mph zone.

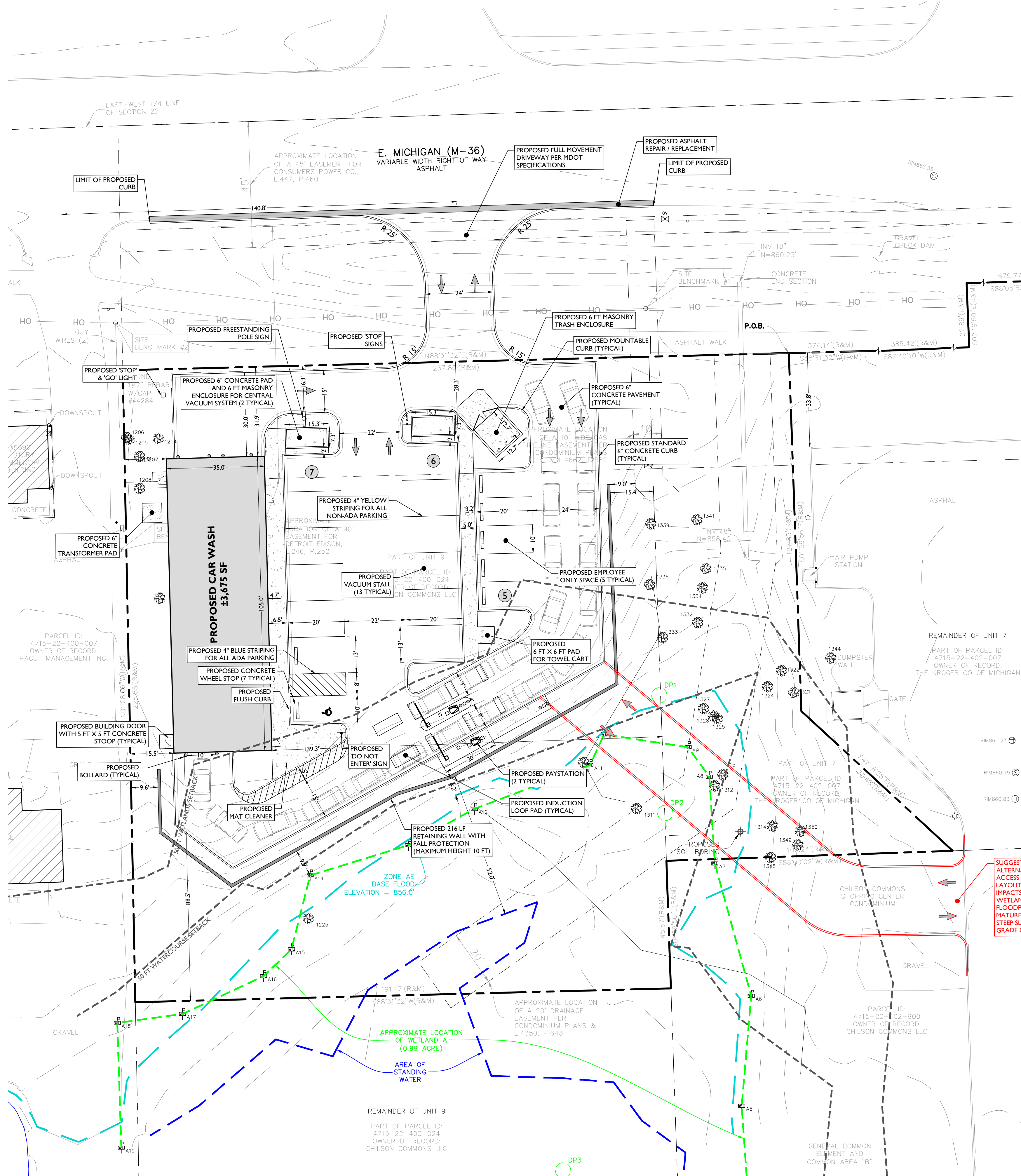
Recommendation

Based upon my review I have serious reservations with the proposed car wash driveway as it relates to traffic safety. It would be my recommendation that the Township Board not approve the curb cut driveway as currently proposed in the site development plans and that an alternate point of ingress/egress to the car wash be identified if possible.

Respectfully,

Chief Richard Duffany
Director of Public Safety

EXHIBIT D



LAND USE AND ZONING			
PARCEL ID: 4715-22-400-024 (UNIT 9)			
WATERFRONT RESIDENTIAL (WFR) & HARDSHIP PLANNED UNIT DEVELOPMENT (HPUD)			
PROPOSED USE		SPECIAL LAND USE	
CAR WASH	REQUIRED (WFR)	REQUIRED (HPUD)	PROPOSED
MINIMUM LOT AREA	43,560 SF	N/A	53,075 SF
MINIMUM LOT WIDTH AT STREET	125 FT	N/A	237.8 FT
MINIMUM LOT COVERAGE (BUILDING)	35% (18,576 SF)	N/A	6.2% (3,286 SF)
MINIMUM LOT COVERAGE (PARKING)	40% (21,230 SF)	N/A	35% (18,607 SF)
MAXIMUM BUILDING HEIGHT	2.5 STORIES / 35 FT	N/A	1 STORY / 22 FT
MINIMUM FRONT YARD SETBACK	25 FT	N/A	31.9 FT
MINIMUM SIDE YARD SETBACK	10 FT	N/A	14.9 FT
MINIMUM REAR YARD SETBACK	30 FT	N/A	88.5 FT
MINIMUM PARKING SETBACK (M-36 ROW)	N/A	50 FT (I)	28.3 FT (W)
M-36 ACCESS	N/A	NO NEW CURB CUTS ON M-36, SHARE WITH CHILSON COMMONS	AMENDMENT TO HPUD REQUESTED
WETLANDS SETBACK	50 FT	50 FT	9.9 FT (W) ^(I)
WATERCOURSE SETBACK	50 FT	50 FT	52.0 FT

- (I) OR MUST BE LOCATED SOUTH OF PROPOSED BUILDING
- (2) THE ZONING ADMINISTRATOR OR BODY UNDERTAKING PLAN REVIEW MAY REDUCE OR ELIMINATE THE FOLLOWING SETBACKS UPON REVIEW OF A REQUEST WHICH DETAILS THE FUTURE PROTECTION OF THE NATURAL FEATURE AND OR MITIGATION OF THE NATURAL FEATURE.
- (W) WAIVER / MODIFICATION TO BE REQUESTED AS PERMITTED BY THE HARDSHIP PLANNED UNIT DEVELOPMENT

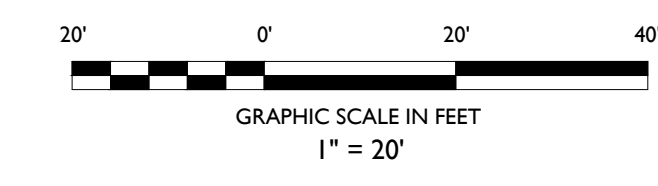
OFF-STREET PARKING REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§36-330.c	MINIMUM VEHICLE PARKING SPACE: 200 SF	200 SF
§36-334.23	GASOLINE FILLING AND SERVICE STATIONS: 1 SPACE PER SERVICE STALL 1 WASH LANE = 1 SPACE PLUS 1 SPACE PER EMPLOYEE 5 EMP. = 5 SPACES TOTAL: 1 + 5 = 6 SPACES	13 VACUUMS +5 EMPLOYEE 18 TOTAL SPACES
§36-339.a.1.	DRIVEWAY SPACING (45 MPH): 300 FT	130.1 FT (W)

SIGNAGE REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 36.472.f.	ROW SETBACK: 10 FT	16.3 FT
§ 36.472.q.2.	POLE SIGN MAX HEIGHT: 15 FT	15 FT
§ 36.477.1.a.	POLE SIGN MAX AREA (COMMERCIAL): 25 SF	25 SF
§ 36.474.2.	PARKING LOT SIGNS MAX AREA: 1.5 SF	1.5 SF

SYMBOL DESCRIPTION

- PROPERTY LINE
- SETBACK LINE
- SAWCUT LINE
- PROPOSED CURB
- PROPOSED FLUSH CURB
- PROPOSED MOUNTABLE CURB
- PROPOSED SIGNS / BOLLARDS
- PROPOSED BUILDING
- PROPOSED CONCRETE
- PROPOSED AREA LIGHT
- PROPOSED RETAINING WALL
- PROPOSED GUIDERAIL
- PROPOSED BUILDING DOORS
- WETLANDS BOUNDARY
- FLOODPLAIN BOUNDARY
- STANDING WATER

- GENERAL NOTES**
- THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
 - ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC, AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE.
 - THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC.
 - THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
 - THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC, WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET.
 - THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
 - THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
 - SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC, BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.



ISSUE	DATE	BY	DESCRIPTION
4	03/20/2024	EM	FOR TOWNSHIP BOARD - AMENDED HPUD
3	09/26/2023	EM	REVISED WATER AND STORM CONNECTIONS
2	07/05/2023	JCI/EM	FOR PRE-APPLICATION CONFERENCE
1	05/20/2023	JCI/EM	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

STONEFIELD
engineering & design

Detroit, MI • New York, NY • Boston, MA
Princeton, NJ • Tampa, FL • Rutherford, NJ
www.stonefielddesign.com

607 Shelby Suite 200, Detroit, MI 48226
Phone 248.247.1115

SITE DEVELOPMENT PLANS

EROP LLC

PROPOSED CAR WASH
PARCEL ID: 4715-22-400-024
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

J. REID COOKSEY, P.E.
MICHIGAN LICENSE NO. 6201069428
LICENSED PROFESSIONAL ENGINEER

STONEFIELD
engineering & design

SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE: **PRELIMINARY SITE PLAN**

DRAWING: **C-3**

V:\2022\220416\220416-001\EROP\COMMONS\EROP\EROP_SITING_PLOT01.dwg

EXHIBIT F

EXHIBIT C

April 9, 2024

Board of Trustees
Hamburg Township
10405 Merrill Rd.
Hamburg, MI 48139

**RE: Township Board Meeting, Amended HPUD
Proposed Car Wash
PID: 4715-22-400-024
Vacant E-M36 (Chilson Commons)
Township of Hamburg, Livingston County, Michigan**

Chilson Commons Unit 9, E-M36 Direct Access Suitability

Board of Trustees:

Stonefield Engineering & Design is performing the civil engineering services for EROP LLC which desires to build an express tunnel car wash on Unit 9 of the Chilson Commons Development in Hamburg Township, MI. The current HPUD agreement states “No new access point to M-36 shall be proposed or permitted. All units shall be accessed through the interior layout of the Chilson Commons development”. An amendment to the HPUD is being requested to allow access to the subject site from E-M36. Please find the following items enclosed for review:

ITEM DESCRIPTION	DATED	PREPARED BY
Preliminary Site Plan	03-20-20204	Stonefield Engineering & Design
Traffic Impact Study	02-13-2024	Fleis & Vandenbrink
MDOT Preliminary Review Correspondence	12-21-2022	MDOT (Laurent Fournier)
MDOT Application	10-05-2023	Stonefield Engineering & Design
MDOT Remarks Summary (Approval)	12-14-2023	MDOT
Cross Access Denial Correspondence	<i>Multiple</i>	<i>Multiple</i>

The subject parcel has multiple hardships preventing access to the site other than E-M36 including the following:

1. Denial of cross access from adjacent neighbors
2. Regulated Floodplains
3. Regulated Wetlands
4. Steep Slopes (proposed 10 FT retaining wall)
5. Standing Water / Drainage Easement
6. Ability to obtain EGLE Permit for disturbing the natural features stated above

The following provides further information on the above hardships:

I. Denial Of Cross Access from Adjacent Neighbors

EROP LLC and their attorney reached out to all adjacent property owners and were denied rights to cross access, leaving E-M36 as the only option for access to the parcel. Due to existing wetlands, the Kroger gas station would be the only available access point to the East. Kroger felt it would cause traffic issues to allow car wash traffic to cross through the gas station and denied Unit 9 cross access. The property owner to the West (not within the HPUD) was also contacted and denied cross access. Correspondence from Kroger and the landowner to the west are attached to this letter (see attached **Cross Access Denial Correspondence**).



2. Regulated Floodplains

The rear of the site is comprised of a regulated floodplain extending to adjacent properties. 11,102 SF of the subject site is within the floodplain. The floodplain is at elevation 856.00'. Construction of an access drive would require a large amount of fill to reach the elevation of the developable area 10 FT above. Per EGLE requirements, any fill placed within a floodplain must be compensated by cutting elsewhere on site. The cut must be below the flood elevation, to maintain the existing floodplain volume at and below the 856.00' elevation. There is no opportunity to compensate for the flood volume on site due to the existing elevation of the developable area as well as the footprint of the wetlands and floodplain. The only remaining area is the steep slopes just above the floodplain which are already at 4:1 slope and would not provide adequate space for the required cut. Any construction within the floodplain would not be feasible while meeting EGLE requirements.

3. Regulated Wetlands

The rear of the site also contains a regulated wetland extending to adjacent properties. 9,595 SF of the subject site contains wetlands and mature trees. Per the Hamburg Township Ordinance Section 36-293 (c) 2. A. there is a required 50 FT wetlands setback, with the ability for Planning Commission to grant a waiver for a reduced setback. The suggested access point at the rear of the property would lie within the regulated wetlands area, result in disturbing the protected wetlands as shown on the attached Preliminary Site Plan. The proposed plan with access on E-M36 allows for a development with no impacts to the wetlands. A 9.9 FT wetlands setback is provided, requiring a waiver to the 50 FT setback, due to the required retaining wall.

4. Steep Slopes

The existing parcel has been regraded and filled with soil by the current owner to provide a buildable area for a future development. The developable area is approximately 10 FT higher than the Kroger site and the area of protected natural features in the rear. The preliminary site plan proposes a 10 FT high retaining wall at the rear of the site. This results in a practical hardship for proposing an access drive from the rear of the site as it would require the construction of a bridge or a paved drive at approximately 7% slope (desired design slope for the proposed use is 2%, typical maximum design slope is 5%). See attached Preliminary Site Plan.

5. Standing Water / Drainage Easement

Within the wetlands and floodplain at the rear of the site, there is an area of standing water. The site contains a 20 FT wide drainage easement running along the east property line, south towards the standing water. This easement allows for a natural drainage path for storm water runoff from E-M36 to flow south to the wetlands / area of standing water. As shown on the Preliminary Site Plan, any construction within this area would be required to be designed in such a way that this drainage pattern is maintained through the installation of a culvert or bridge.

6. EGLE Permit

EGLE Permit requirements state that if an alternate option is available, EGLE will not permit development activities within the state's protected natural features, including regulated wetlands and floodplains. Because MDOT has approved the alternate access point on E-M36, EGLE will inevitably deny any request to build in the wetland and floodplain found on this property.

In addition to the above hardships, MDOT (jurisdictional agency for E-M36) granted formal approval of the proposed curb cut for the subject site. MDOT evaluated the site plan and scope of the proposed right of way work, potential need for a traffic study, any taper lanes, driveway restrictions, or other required right-of-way improvements. MDOT's only comment after formal review was to align the proposed driveway with the existing driveway across E-M36. The attached Site Development Plans align with MDOT's request. The MDOT Permit is fully approved pending a \$50,000 surety bond. Please Contact Laurent Fournier with any questions.



Under the last submission to the Township Board, two review letters were provided stating Traffic Safety concerns (Review letter dated 11/17/23 from Chief Richard Duffany, Hamburg Township Public Safety Department and Review Letter dated 12/19/23 by David Rohr, Hamburg Township Planner). Please see attached **Traffic Impact Study** by Fleis & Vandenbrink. A representative from Fleis & Vandenbrink will be attending the Township Board Meeting to address any remaining questions or concerns the Township may have.

Should you have any questions, please do not hesitate to contact our office, Fleis & Vandenbrink, MDOT or EGLE. All parties are happy to discuss at any time. The respective contact information can be found below. We also request that any review comments be provided to the applicant and Stonefield Engineering prior to the Township Board Meeting date.



Laurent Fournier
Traffic and Safety Engineer
Brighton TSC
10321 E. Grand River, Suite 500
Brighton, MI 48116
(517) 243-9776 | fournierl@michigan.gov

Matt Rogers
Environmental Quality Analyst - Lansing District Office
EGLE - Water Resources Division
(517) 388-6869 | rogersm17@michigan.gov

Julie M. Kroll, PE, PTOE
Traffic Engineering | Group Manager, Associate
FLEIS & VANDENBRINK
DESIGN. BUILD. OPERATE.
C: 248.342.5786

Best regards,

J. Reid Cooksey, PE, LEED AP BD+C
jcooksey@stonefieldeng.com
Stonefield Engineering and Design, LLC

Erin McMachen
emcmachen@stonefieldeng.com
Stonefield Engineering and Design, LLC

EXHIBIT G

From: [Fournier, Laurent \(MDOT\)](#)
To: [McMachen, Erin](#)
Cc: [Seif, George \(MDOT\)](#); [Kenwell, Matthew \(MDOT\)](#)
Subject: RE: 9700 Chilson Commons Circle Hamburg, MI - Preliminary Access Review
Date: Wednesday, December 21, 2022 11:40:15 AM
Attachments: [image001.jpg](#)

CAUTION: External Email

Erin,

MDOT will allow a driveway to be build on M-36. However, because the proposed driveway is within the Intersection Functional Area, MDOT will request the driveway to be moved slightly west, directly across from the existing driveway on the north side of M-36.

Please let me know if you have any questions,



Laurent Fournier
 Traffic and Safety Engineer
 Brighton TSC
 10321 E. Grand River, Suite 500
 Brighton, MI 48116
 (517) 243-9776 | fournierl@michigan.gov

From: McMachen, Erin <emcmachen@stonefieldeng.com>
Sent: Wednesday, December 21, 2022 10:59 AM
To: Fournier, Laurent (MDOT) <FournierL@michigan.gov>
Cc: Seif, George (MDOT) <SeifG@michigan.gov>
Subject: RE: 9700 Chilson Commons Circle Hamburg, MI - Preliminary Access Review

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Hi Laurent,

Any determination on access here? The client is trying to get confirmation to move forward with formal drawings. Just confirmed Kroger has denied them access through their fuel station so E Michigan Avenue is our only option.

Thanks,

Erin McMachen

Application Reference Number:97548

Applicant Info

Applicant Name: EROP, LLC

Mailing Address: 3130 N Kandy Lane

City: Decatur

State: IL

Zip: 62526

Primary Contact

Contact Name: Erin McMachen

Phone No: 248-247-1115

Cell Phone No:

Email Address: emcmachen@stonefieldeng.com

Contractor Info

Contractor Name: Stonefield Engineering & Design, LLC

Mailing Address: 607 Shelby Street Suite 200

City: Detroit

State:

MI

Zip:

48226

Primary Contact

Contact Name: Erin McMachen

Phone No: 248-247-1115

Cell Phone No:

586-854-0554

Email Address: emcmachen@stonefieldeng.com

Site Info

State Route: M36

Township Of: Hamburg

County: Livingston County

Nearest Intersection:

Chilson Road

Side of Road:

South

Distance to the nearest intersection: 270.0 Feet

Direction from worksite to the nearest intersection on the state route: East

Work Info

Proposed Start Date: 03/04/2024

Proposed Completion Date:

10/31/2024

Purpose:

Proposed construction of a 3,286 SF Car Wash.

Requisition #:

Work Order #:

MDOT Job #:

Organizations Job #:

Lane Closure Proposed: No

Work Located on Restricted Route: No

Work performed outside of time restrictions: No

Date Submitted: 10/05/2023

Bond Info

Department Bond Number:

Insurance Info

Certificate of Insurance Number:

Attachments

Attachments Included.

Type of Work

Driveways

Commercial Driveways - Parking spaces 10-50

Utilities - Transverse

Sewer, Gas, or Water Tap > 3 inches diameter

Application Fee (Nonrefundable)

Additional fees may be applied.

\$275.00

Remarks Summary

Item 20.

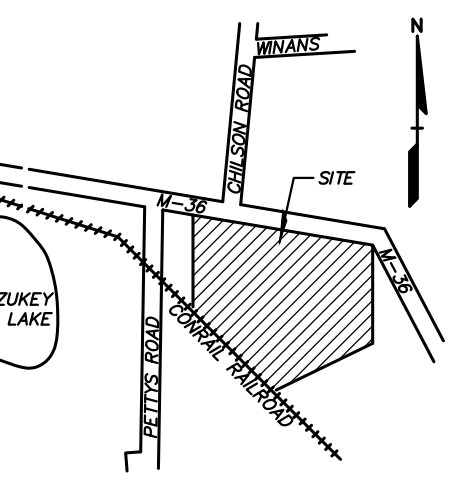
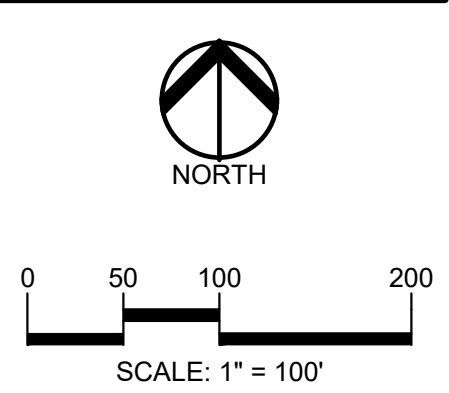
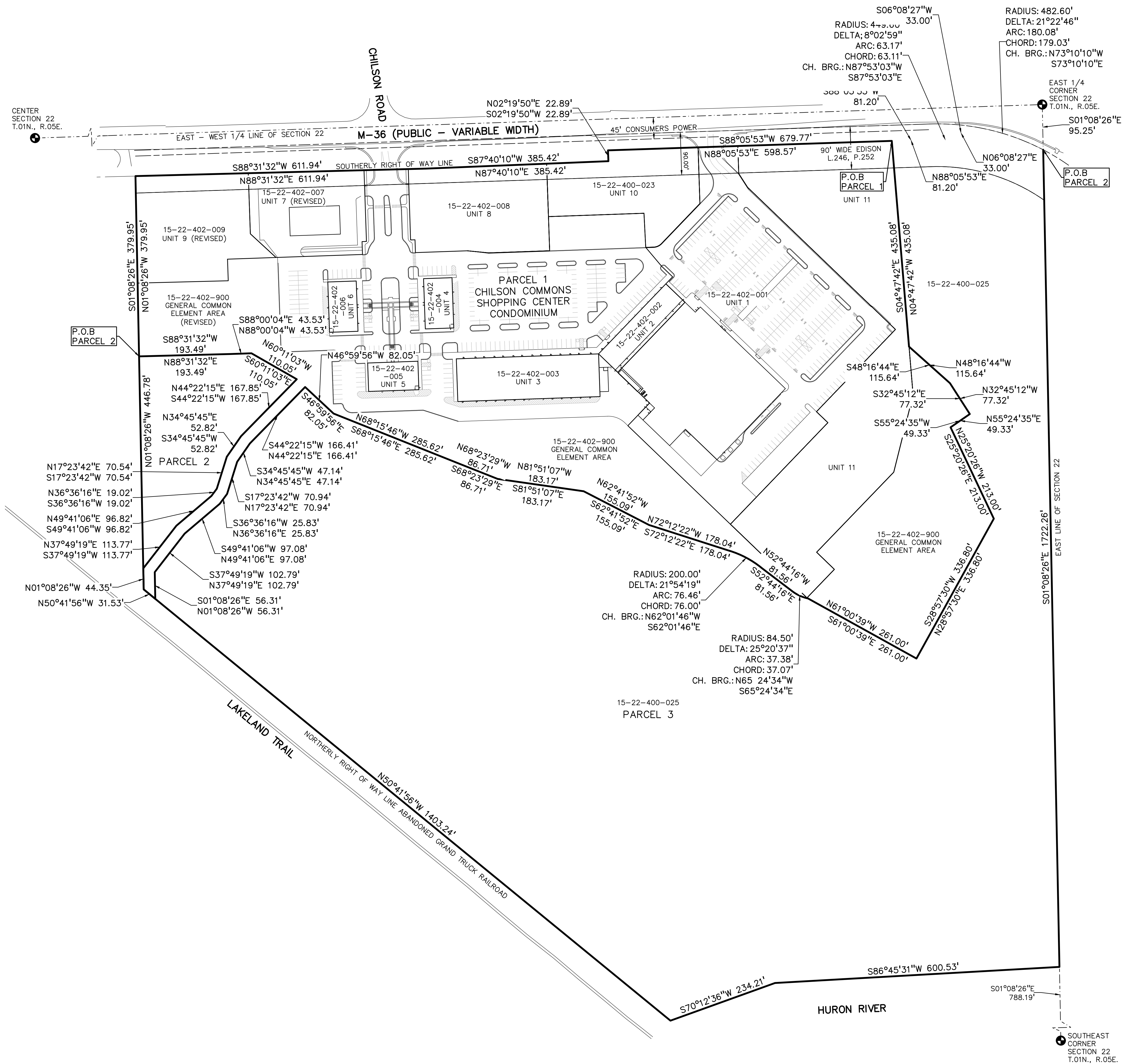
Company Name:	EROP, LLC	Application Type:	Individual Application
Application Status:	On Hold	App. Ref. # / Permit #:	97,548
Permit Status:			
	Author	Internal Remark Indicator	Date

	Pascal Bui	N	12/06/2023
Remark:	See attached and fill out form 2484.		

	Pascal Bui	N	12/06/2023
Remark:	See attached and fill out form 2484.		

	Matthew Kenwell	N	12/06/2023
Remark:	Application taken off hold for processing		

	Matthew Kenwell	N	12/14/2023
Remark:	Application on hold for \$50,000 performance bond submittal and liability insurance to MDOT's ePerformance system. If any questions please contact Matt at kenwellm@michigan.gov		



CLIENT
FIRST COMMERCIAL REALTY & DEVELOPMENT CO., INC.
 27600 NORTHWESTERN HWY. STE 200
 SOUTHFIELD, MI 48034

PROJECT TITLE
CHILSON COMMONS

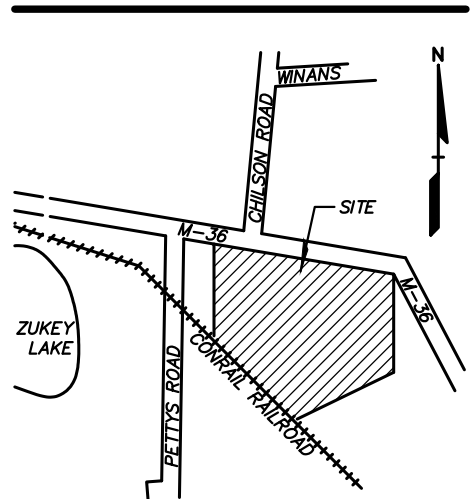
REVISIONS

NO.	DESCRIPTION

ORIGINAL ISSUE DATE:
 AUGUST 29, 2023
 DRAWING TITLE
PUD EXHIBIT

PEA JOB NO.	2021-0175
P.M.	JC
DN.	CB
DES.	-
DRAWING NUMBER:	-

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CLIENT
FIRST COMMERCIAL REALTY & DEVELOPMENT CO., INC.
 27600 NORTHWESTERN HWY. STE 200
 SOUTHFIELD, MI 48034

PROJECT TITLE
CHILSON COMMONS

REVISIONS

ORIGINAL ISSUE DATE:
 AUGUST 29, 2023

DRAWING TITLE
PUD EXHIBIT

PEA JOB NO. 2021-0175
 P.M. JC
 DN. CB
 DES. -
 DRAWING NUMBER:

**PARCEL 1
 CHILSON COMMONS SHOPPING CENTER
 CONDOMINIUM**

Part of the East 116 rods in width of that part of the Southeast fractional 1/4 of Section 22, Town 01 North, Range 05 East, Hamburg Township, Livingston County, Michigan, which lies North of the Huron River and the Grand Trunk Railroad more particularly described as follows: Commencing at the East 1/4 Corner of Section 22; thence along the east line of said Section, South 01 degrees 08 minutes 26 seconds East, 95.25 feet to the south line of M-36; thence along said south line of M-36 the following four (4) courses: 1.) 180.08 feet along a curve to the left having a radius of 482.60 feet and a chord that bears North 73 degrees 10 minutes 10 seconds West, 179.03 feet; 2.) along a radial line South 06 degrees 08 minutes 27 seconds West, 33.00 feet; 3.) 63.17 feet along a curve to the left having a radius of 449.60 feet and a chord that bears North 87 degrees 53 minutes 03 seconds West, 63.11 feet; 4.) South 88 degrees 05 minutes 53 seconds West, 81.20 feet to the Point of Beginning of this condominium subdivision description; thence South 04 degrees 47 minutes 42 seconds East, 435.08 feet to the Point of Beginning of this parcel description; thence South 48 degrees 16 minutes 44 seconds East, 115.64 feet; thence South 32 degrees 45 minutes 12 seconds East, 77.32 feet; thence South 55 degrees 24 minutes 35 seconds West, 49.33 feet; thence South 25 degrees 20 minutes 26 seconds East, 213.00 feet; thence South 28 degrees 57 minutes 30 seconds West, 336.80 feet; thence North 61 degrees 00 minutes 39 seconds West, 261.00 feet; thence 37.38 feet along a curve to the right having a radius of 84.50 feet and a chord that bears North 65 degrees 24 minutes 34 seconds West, 37.07 feet; thence North 52 degrees 44 minutes 16 seconds West, 81.56 feet; thence 76.46 feet along a curve to the left having a radius of 200.00 feet and a chord that bears North 62 degrees 01 minutes 46 seconds West, 76.00 feet; thence North 72 degrees 12 minutes 22 seconds West, 178.04 feet; thence North 62 degrees 41 minutes 52 seconds West, 155.09 feet; thence North 81 degrees 51 minutes 07 seconds West, 183.17 feet; thence North 68 degrees 23 minutes 29 seconds West, 86.71 feet; thence North 68 degrees 15 minutes 46 seconds West, 285.62 feet; thence North 46 degrees 59 minutes 56 seconds West, 82.05 feet; thence South 43 degrees 03 minutes 07 seconds West, 167.86 feet; thence South 34 degrees 01 minutes 51 seconds West, 44.32 feet; thence South 17 degrees 02 minutes 50 seconds West, 71.26 feet; thence South 40 degrees 22 minutes 31 seconds West, 27.24 feet; thence South 48 degrees 59 minutes 22 seconds West, 97.53 feet; thence South 37 degrees 57 minutes 56 seconds West, 113.86 feet; thence South 05 degrees 04 minutes 49 seconds East, 42.92 feet; thence North 50 degrees 41 minutes 56 seconds West, 33.58 feet; thence North 05 degrees 04 minutes 49 seconds West, 28.90 feet; thence North 37 degrees 57 minutes 56 seconds East, 125.64 feet; thence North 48 degrees 59 minutes 22 seconds East, 98.04 feet; thence North 40 degrees 22 minutes 31 seconds East, 20.07 feet; thence North 17 degrees 13 minutes 51 seconds East, 70.47 feet; thence North 34 degrees 01 minutes 51 seconds East, 49.44 feet; thence North 43 degrees 02 minutes 35 seconds East, 169.87 feet; thence North 60 degrees 11 minutes 03 seconds West, 110.05 feet; thence South 88 degrees 00 minutes 04 seconds West, 43.53 feet; thence South 88 degrees 31 minutes 32 seconds West, parallel with said south line of M-36, 193.49 feet; thence North 01 degrees 08 minutes 26 seconds West, parallel with said east line of Section 22, 379.95 feet to said south line of M-36; thence along said south line of M-36 the following four (4) courses: 1.) North 88 degrees 31 minutes 32 seconds East, 611.94 feet; 2.) North 87 degrees 40 minutes 10 seconds East, 385.42 feet; 3.) North 02 degrees 19 minutes 50 seconds West, 22.89 feet; 4.) North 88 degrees 05 minutes 53 seconds East, 598.57 feet returning to the Point of Beginning of this description.

PARCEL 2

Part of the East 116 rods in width of that part of the Southeast fractional 1/4 of Section 22, Town 01 North, Range 05 East, Hamburg Township, Livingston County, Michigan, which lies North of the Huron River and the Grand Trunk Railroad more particularly described as follows: Commencing at the East 1/4 Corner of Section 22; thence along the east line of said Section, South 01 degrees 08 minutes 26 seconds East, 95.25 feet to the south line of M-36; thence along said south line of M-36 the following seven (7) courses:

1. 180.08 feet along a curve to the left having a radius of 482.60 feet and a chord that bears North 73 degrees 10 minutes 10 seconds West, 179.03 feet;
2. along a radial line South 06 degrees 08 minutes 27 seconds West, 33.00 feet;
3. 63.17 feet along a curve to the left having a radius of 449.60 feet and a chord that bears North 87 degrees 53 minutes 03 seconds West, 63.11 feet;
4. South 88 degrees 05 minutes 53 seconds West, 679.77 feet;
5. South 02 degrees 19 minutes 50 seconds East, 22.89 feet;
6. South 87 degrees 40 minutes 10 seconds West, 385.42 feet;
7. South 88 degrees 31 minutes 32 seconds West, 611.94 feet to the northwest corner of Parcel 1;

thence South 01 degrees 08 minutes 26 seconds East, along the westerly boundary of Parcel 1 and parallel with said east line of Section 22, 379.95 feet to the Point of Beginning of this description; thence continuing along the outer boundary of Parcel 1 the following nine (9) courses:

1. North 88 degrees 31 minutes 32 seconds East, 193.49 feet;
2. North 88 degrees 00 minutes 04 seconds East, 43.53 feet;
3. South 60 degrees 11 minutes 03 seconds East, 110.05 feet;
4. South 44 degrees 22 minutes 15 seconds West, 167.85 feet;
5. South 34 degrees 45 minutes 45 seconds West, 52.82 feet;
6. South 17 degrees 23 minutes 42 seconds West, 70.54 feet;
7. South 36 degrees 36 minutes 16 seconds West, 19.02 feet;
8. South 49 degrees 41 minutes 06 seconds West, 96.82 feet;
9. South 37 degrees 49 minutes 19 seconds West, 113.77 feet;

thence North 01 degrees 08 minutes 26 seconds West, parallel with said east line of Section 22, 446.78 feet returning to the Point of Beginning of this description.

Containing 1.83 acres of land and subject to any easement or restrictions of record.

PARCEL 3

Part of the East 116 rods in width of that part of the Southeast fractional 1/4 of Section 22, Town 01 North, Range 05 East, Hamburg Township, Livingston County, Michigan, which lies North of the Huron River and the Grand Trunk Railroad more particularly described as follows: Commencing at the East 1/4 Corner of Section 22; thence along the east line of said Section, South 01 degrees 08 minutes 26 seconds East, 95.25 feet to the south line of M-36 and the Point of Beginning of this description; thence South 01 degrees 08 minutes 26 seconds East, continuing along the east line of said Section, 1722.26 feet; thence South 86 degrees 45 minutes 31 seconds West, 600.53 feet; thence South 70 degrees 12 minutes 36 seconds West, 234.21 feet to the northerly line of abandoned Grand Trunk railroad; thence North 50 degrees 41 minutes 56 seconds West, along the northerly line of abandoned Grand Truck railroad, 1403.24 feet to the southeast corner of Chilson Commons Shopping Center Condominium Livingston County Condominium Subdivision Plan Number 303, as recorded in Liber 4366, Page 944, and as amended in Liber 4738, Page 533, Livingston County Records; thence along the outer boundary of said Chilson Commons Shopping Center Condominium the following twenty-three (23) courses:

1. North 01 degrees 08 minutes 26 seconds West, 56.31 feet;
2. North 37 degrees 49 minutes 19 seconds East, 102.79 feet;
3. North 49 degrees 41 minutes 06 seconds East, 97.08 feet;
4. North 36 degrees 36 minutes 16 seconds East, 25.83 feet;
5. North 17 degrees 23 minutes 42 seconds East, 70.94 feet;
6. North 34 degrees 45 minutes 45 seconds East, 47.14 feet;
7. North 44 degrees 22 minutes 15 seconds East, 166.41 feet;
8. South 46 degrees 59 minutes 56 seconds East, 82.05 feet;
9. South 68 degrees 15 minutes 46 seconds East, 285.62 feet;
10. South 68 degrees 23 minutes 29 seconds East, 86.71 feet;
11. South 81 degrees 51 minutes 07 seconds East, 183.17 feet;
12. South 62 degrees 41 minutes 52 seconds East, 155.09 feet;
13. South 72 degrees 12 minutes 22 seconds East, 178.04 feet;
14. 76.46 feet along a curve to the right having a radius of 200.00 feet and a chord that bears South 62 degrees 01 minutes 46 seconds East, 76.00 feet;
15. South 52 degrees 44 minutes 16 seconds East, 81.56 feet;
16. 37.38 feet along a curve to the left having a radius of 84.50 feet and a chord that bears South 65 degrees 24 minutes 34 seconds East, 37.07 feet;
17. South 61 degrees 00 minutes 39 seconds East, 261.00 feet;
18. North 28 degrees 57 minutes 30 seconds East, 336.80 feet;
19. North 25 degrees 20 minutes 26 seconds West, 213.00 feet;
20. North 55 degrees 24 minutes 35 seconds East, 49.33 feet;
21. North 32 degrees 45 minutes 12 seconds West, 77.32 feet;
22. North 48 degrees 16 minutes 44 seconds West, 115.64 feet;
23. North 04 degrees 47 minutes 42 seconds West, 435.08 feet to the southerly line of M-36;

thence along the southerly line of M-36 the following four (4) courses:

1. North 88 degrees 05 minutes 53 seconds East, 81.20 feet;
2. 63.17 feet along a curve to the right having a radius of 449.60 feet and a chord that bears South 87 degrees 53 minutes 03 seconds East, 63.11 feet;
3. North 06 degrees 08 minutes 27 seconds East, 33.00 feet;
4. 180.08 feet along a curve to the right having a radius of 482.60 feet and a chord that bears South 73 degrees 10 minutes 10 seconds East, 179.03 feet and returning to the Point of Beginning of this description.

Containing an area of 38.30 acres and subject to and easements or restrictions of record.

EXHIBIT B



Logan Watch <lwatch@firstcommercial.net>

Fwd: curb cut into fuel station at Chilson Commons

1 message

William Watch <wwatch@firstcommercial.net>
To: Logan Watch <lwatch@firstcommercial.net>

Thu, Dec 15, 2022 at 7:50 AM

Kroger fuel letter for unit #7 and #9.

Sent from my iPhone

Begin forwarded message:

From: "Farrell, Dan" <Dan.Farrell@roundys.com>
Date: December 14, 2022 at 7:11:46 PM EST
To: William Watch <wwatch@firstcommercial.net>
Subject: curb cut into fuel station at Chilson Commons

Bill,

As a follow up to our discussion earlier today I had previously reviewed the requested access point from the fuel station for the car wash development with the division team and they would not support the request. This is a busy fuel station, especially during peak seasons and so I heard loud and clear access could not come thru the fuel station.

I cannot disagree with their recommendation, so hopefully you can find access from other points in the shopping center.

Thanks,

Dan

Dan Farrell | Sr. Asset Manager
Real Estate | The Kroger Co.
office: 414.231.5882 cell: 262.227.5872





Jeff Justice <jeffj@hypershinecw.com>

FW: HAMBURG

1 message

Jared Gell <JGell@midamericagr.com>
To: Jeff Justice <jeffj@hypershinecw.com>

Thu, Oct 26, 2023 at 7:30 AM

Good morning,

Please see trail below. Joe Pacut owns the adjacent property to the west. Will this suffice?



Jared Gell | Principal

Mid-America Real Estate-Michigan, Inc.

38500 Woodward Avenue, Suite 100 | Bloomfield Hills, MI 48304

Phone: 248.855.6800 | Direct: 248.385.5010 | Mobile: 248.514.0545 | Fax: 248.835.5036

[Email](#) | [Website](#) | [LinkedIn](#) | [Marketplace](#) | [Instagram](#)



From: Joe Pacut <joepacut@gmail.com>
Sent: Wednesday, December 14, 2022 12:01 PM
To: Jared Gell <JGell@midamericagr.com>
Subject: Re: HAMBURG

[EXTERNAL SENDER]

not at this time ,,thanks joe

On Tue, Dec 13, 2022 at 3:57 PM Jared Gell <JGell@midamericagr.com> wrote:

Joe,

Thank you for calling me back. Per our conversation, I represent White Water Express Car Wash(<https://www.whitewatercw.com/>) that's purchasing the vacant lot to the east of your property in Hamburg Twp from Bill Watch/Chilson Commons.

Access to the site is currently only through Chilson Commons. Will you consider sharing your curb cut and creating cross-access between your property and what's planned to be White Water?

Thank you,



Jared Gell | Vice President

Mid-America Real Estate-Michigan, Inc.

38500 Woodward Avenue, Suite 100 | Bloomfield Hills, MI 48304

Phone: 248.855.6800 | Direct: 248.385.5010 | Mobile: 248.514.0545 | Fax: 248.835.5036

Email | Website | LinkedIn | Marketplace | Instagram

**SECOND AMENDMENT TO SECOND AMENDED AND FULLY RESTATED HARDSHIP
PLANNED UNIT DEVELOPMENT AGREEMENT**

This Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement (the "Second Amendment ") made this ____ day of _____, 2024, by and between HAMBURG TOWNSHIP, a Michigan municipal corporation (referred to hereafter as the "TOWNSHIP), and FIRST CHILSON, L.L.C., a Michigan limited liability company ("First Chilson"), whose principal address is 27600 Northwestern Hwy., Suite 200, Southfield, Michigan 48034, and CHILSON COMMONS, L.L.C., a Michigan limited liability company ("Chilson Commons"), whose principal address is 27600 Northwestern Hwy., Suite 200, Southfield, Michigan 48034 (First Chilson and Chilson Commons are collectively referred to hereafter as "DEVELOPERS"), The Kroger Co. of Michigan, a Michigan corporation ("KROGER"), whose address is 1014 Vine Street, Cincinnati, Ohio 45202 and Chilson Commons Shopping Center Condominium Association, a Michigan non-profit corporation (hereafter referred to hereafter as "ASSOCIATION"), whose address is 27600 Northwestern Hwy., Suite 200, Southfield, Michigan 48034. TOWNSHIP, DEVELOPERS, KROGER and ASSOCIATION are sometimes hereinafter individually referred to as a "Party" and collectively, as the "Parties."

RECITALS

WHEREAS. KROGER is the successor-in-interest to Chilson Commons with respect to Units 7 and 11, having purchased said Units in the Chilson Commons Shopping Center Condominium ("Condominium"); and

WHEREAS. Chilson Commons is the successor-in-interest to The Huntington National Bank, a national banking association ("Huntington"), successor by merger to TCF National Bank, a national bank association ("TCF"), with respect to Unit 8, having purchased said Unit in the Chilson Commons Shopping Center Condominium ("Condominium"); and

WHEREAS, the DEVELOPERS, KROGER and ASSOCIATION are owners of 67.66 more or less acres of land located in Hamburg Township, Livingston County, Michigan, a portion of which is improved with a commercial shopping center, more particularly described as:

The East 116 rods in width of that part of the Southeast fractional 1/4 of Section 22, T.1N., R.5E., Hamburg Township, Livingston County, Michigan, which lies North of the Huron River and the Grand Trunk Railroad Excepting that portion lying northerly and westerly of a line described in Liber 3121 on page 135, Livingston County Records, and also excepting that portion taken for M-36, and

being more particularly described as follows: Commencing at the East 1/4 Corner of Section 22; thence along the east line of said section, S 01°08'26" E, 95.25 feet to the south line of M-36 (66' wide) and the Point of Beginning; thence continuing along said east line, S 01°08'26" E, 1722.26 feet to an intermediate traverse line; thence along said line S 86°45'31" W, 600.53 feet; thence continuing along said traverse line, S 70°12'36" W, 234.21 feet to the north line of the abandoned Grand Trunk Western Railroad right-of-way (100' wide); thence along said right-of-way, N 50°41'56" W, 1434.77 feet to the west line of the east 116 rods of the Southeast fractional 1/4 of said Section 22, as measured perpendicular to the east line of said section; thence along said west line, N 01°08'26" W, 871.07 feet to the south line of the aforementioned recorded line, said line being the south line of M- 36 (variable width); thence along said recorded line the following three courses, N 88°31'32" c, 611.94 feet and N 87°40'10" E, 385.42 feet and N 02°19'50" W, 55.89 feet to the south line of M- 36 (66' wide); thence along said south line the following two courses, N 88°05'53" E, 680.02 feet and 247.88 feet along a curve to the right having a radius of 482.60 feet and a chord that bears S 77°11'40" E, 245.16 feet to the east line of said section 22 and the Point of Beginning. Also including the land lying between the Intermediate Traverse Line and the Huron River. Containing a net area of 67.66 acres more or less.

(the "Property"); and

WHEREAS, the DEVELOPERS petitioned for Hardship Planned Unit Development (the "HPUD") approval pursuant to Article 16 of the Hamburg Township Ordinance for the development of the Property; and

WHEREAS, on November 6, 2002, the Hamburg Township Planning Commission recommended approval of the HPUD with the conditions as set forth in Exhibit A to the Hardship Planned Unit Development Agreement dated January 28, 2004 and recorded with the Livingston County Register of Deeds at Liber 4350, Page 643, Livingston County Records (the "HPUD Agreement"); and

WHEREAS, on December 17, 2002, the Hamburg Township Board approved the HPUD with the conditions as set forth in Exhibit B to the HPUD Agreement; and

WHEREAS, on December 21, 2010, the TOWNSHIP, DEVELOPERS and the ASSOCIATION amended the HPUD Agreement by entering into the First Amendment to Hardship Planned Unit Development Agreement; and

WHEREAS, on December 4, 2020, TOWNSHIP, DEVELOPERS, KROGER, TCF and ASSOCIATION further amended the HPUD Agreement by entering into the Second Amended and Fully Restated Hardship Planned Unit Development; and

WHEREAS, on August 3, 2022, TOWNSHIP, DEVELOPERS, KROGER, HUNTINGTON and ASSOCIATION further amended the HPUD Agreement by entering into the First Amendment to Second Amended and Fully Restated Hardship Planned Unit Development. References to "HPUD Agreement" herein below shall refer to the forgoing Second Amended and Fully Restated HPUD as amended by First Amendment to Second Amended and Fully Restated Hardship Planned Unit Development; and

WHEREAS, the Hamburg Township Zoning Ordinance, Section 16, provides for approval of the HPUD, and authorizes and permits, among other things, the modification of the Zoning Ordinance regulations with respect to use, area, heights, bulk and placement within and in the case of such HPUD; and

WHEREAS, it is the desire of the TOWNSHIP to ensure that the Property is developed and used in accordance with its lawful rules and regulations and pursuant to the conditions imposed in the HPUD approval granted by the TOWNSHIP; and

WHEREAS, DEVELOPERS seek to further amend the HPUD Agreement to modify the size and configuration of Units 7 and 9 of the Condominium and convert a portion of the existing Unit 9 into a General Common Element by amending the HPUD Site Plan and corresponding legal descriptions within the Chilson Commons Shopping Center Condominium property ("Parcel 1" on Exhibit A to the HPUD Agreement) without modifying the overall size of said Parcel 1; and

WHEREAS, DEVELOPERS caused an amended parcel layout (the "Second Amendment to HPUD Site Plan") to be prepared and submitted to the Township for its approval showing the newly proposed layout of Parcel 1, including the corresponding legal descriptions. The Second Amendment to HPUD Site Plan attached hereto as **Exhibit A** was prepared by Professional Engineering Associates, Job Number 2021-0175, dated August 29, 2023; and

WHEREAS, the Second Amendment to HPUD Site Plan was approved by the TOWNSHIP on _____, 2024 in accordance with Sections 36-449 and 36-77 of the Hamburg Township Zoning Ordinance, contingent upon the recording of this Second Amendment.

NOW, THEREFORE, it is hereby agreed between the TOWNSHIP, KROGER, DEVELOPERS and ASSOCIATION as follows:

1. This Second Amendment, is hereby approved in accordance with the authority granted to and vested in the Township under and pursuant to ACT 184, Public Acts of 1943, the Township Zoning Act; Act No. 285, Public Acts of 1931, and Act No. 168, Public Acts of 1958, related to municipal planning, and in accordance with the Township's Zoning Ordinance Article 16.

2. Notwithstanding the provisions of Paragraph 2.D.5(d) of the HPUD Agreement to the contrary, a new access point is hereby permitted to provide ingress and egress from Revised Unit 9, as described in Second Amendment to HPUD Site Plan (see, Exhibit A described below), to M-36 provided that the same is first approved by the Michigan Department of Transportation, including the specific location thereof and the same may be incorporated in the Site Plan for said Unit 9.

3. Exhibit A to the HPUD Agreement is hereby amended and fully superseded by the Second Amendment to HPUD Site Plan attached hereto as Exhibit A.

4. This Second Amendment may not be amended except in writing signed by the parties and recorded in the same manner as this Second Amendment.

5. This Second Amendment shall be governed by the laws of the State of Michigan, both as to interpretation and performance. Any and all suits for any and every breach of this Agreement may be instituted and maintained in any court of competent jurisdiction.

6. No waiver of any breach of this Second Amendment shall be held to be a waiver of any subsequent breach. All remedies afforded in this Second Amendment shall be taken and construed as cumulative in addition to every other remedy provided by law.

7. The signors of this Second Amendment warrant and represent that they have the authority to sign this Agreement on behalf of their respective principals and the authorities that bind each Party to this Second Amendment according to its terms. Further, each of the Parties represent that the execution of this Second Amendment has been duly authorized and is binding on such Parties.

8. DEVELOPER has negotiated with the TOWNSHIP the terms of this Second Amendment, and the same represents the product of the joint efforts and mutual agreements of DEVELOPER and the TOWNSHIP.

9. The Recitals contained in this Second Amendment and all exhibits attached to this Second Amendment and referred to herein shall for all purposes be deemed to be incorporated in this Second Amendment by this reference and made a part hereof. Headings are descriptive only.

10. Both parties acknowledge and agree that they have had the opportunity to have the Second Amendment to HPUD Site Plan, HPUD Terms & Conditions, and this Second Amendment, reviewed by legal counsel.

11. Except as amended hereby, the HPUD Agreement shall remain in full force and effect and is hereby confirmed, ratified and approved.

*[remainder of page intentionally left blank]
[signatures and notarizations on following pages]*

[Signature lines of the Second Amendment to Second Amended and Fully Restated Hardship
Planned Unit Development Agreement.]

Signed the day and date first above written.

HAMBURG TOWNSHIP, a Michigan
municipal corporation

By: _____

Its: _____

By: _____

Its: _____

By: _____

Its: _____

STATE OF MICHIGAN)
)SS
COUNTY OF LIVINGSTON)

The foregoing Second Amendment to Second Amended and Fully Restated Hardship
Planned Unit Development Agreement was acknowledged by me on _____,
2024, by _____, _____ and
_____, the _____, _____ and
_____ respectively, of Hamburg Township, a Michigan Municipal corporation,
for and on behalf of such municipal corporation.

Notary Public
_____ [printed name]
In the County of _____ Michigan
My Commission Expires: _____
Acting in _____ County, Michigan

[signatures and notarizations continued on following pages]

[Signature lines continuing from page 5 of the Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement.]

Signed the day and date first above written.

FIRST CHILSON, L.L.C., a Michigan limited liability company

By: WILLIAM E. WATCH
Its: Manager

STATE OF MICHIGAN)
)SS
COUNTY OF LIVINGSTON)

The foregoing Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement was acknowledged by me on _____, 2024, by WILLIAM E. WATCH, the Manager of First Chilson, L.L.C., a Michigan limited liability company, and for and on behalf of such company as said limited liability company's free act and deed.

Notary Public

[printed name]
In the County of _____ Michigan
My Commission Expires: _____
Acting in _____ County, Michigan

[signatures and notarizations continued on following page]

[Signature lines continuing from page 6 of the Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement.]

Signed the day and date first above written.

CHILSON COMMONS, L.L.C., a Michigan limited liability company, MI

By: First Chilson, L.L.C., a Michigan limited liability company

Its: Manager

By: WILLIAM E. WATCH
Its: Manager

STATE OF MICHIGAN)
)SS
COUNTY OF LIVINGSTON)

The foregoing Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement was acknowledged by me on _____, 2024, by WILLIAM E. WATCH, Manager of First Chilson, L.L.C., Manager of Chilson Commons, L.L.C., a Michigan limited liability company, , for and on behalf of such limited liability company, as said limited liability company's free act and deed.

Notary Public
_____ [printed name]
In the County of _____ Michigan
My Commission Expires: _____
Acting in _____ County, Michigan

[signatures and notarizations continued on following page]

[Signature lines continuing from page 7 of the Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement.]

Signed the day and date first above written.

THE KROGER CO. OF MICHIGAN, a Michigan corporation

By: _____
Its: _____

STATE OF OHIO)
)SS
COUNTY OF HAMILTON)

The foregoing Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement was acknowledged by me on _____, 2024, by _____, _____ of The Kroger Co. of Michigan, a Michigan corporation, as said corporation's free act and deed.

Notary Public
]printed name]
In the County of _____ Michigan
My Commission Expires: _____
Acting in _____ County, Michigan

[signatures and notarizations continued on following page]

[Signature lines continuing from page 8 of the Second Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement.]

Signed the day and date first above written.

CHILSON COMMONS SHOPPING
CENTER CONDOMINIUM ASSOCIATION,
a Michigan non-profit corporation

By: William E. Watch
Its: President

STATE OF MICHIGAN)
)SS
COUNTY OF _____)

The foregoing First Amendment to Second Amended and Fully Restated Hardship Planned Unit Development Agreement was acknowledged by me on _____, 2024, by William E. Watch, President of Chilson Commons Shopping Center Condominium Association, a Michigan non-profit corporation, as said corporation's free act and deed.

Notary Public
_____ [printed name]
In the County of _____ Michigan
My Commission Expires: _____
Acting in _____ County, Michigan

EXHIBIT E

HYPERSHINE CAR WASH DEVELOPMENT

TRAFFIC IMPACT STUDY

HAMBURG TOWNSHIP, MICHIGAN

FEBRUARY 13, 2024

PREPARED BY:



**27725 STANSBURY BOULEVARD, SUITE 195
FARMINGTON HILLS, MI 48334**

Notice and Disclaimer

This document is provided by Fleis & VandenBrink Engineering, Inc. for informational purposes only. No changes or revisions may be made to the information presented in the document without the express consent of Fleis & VandenBrink Engineering, Inc. The information contained in this document is as accurate and complete as reasonably possible. Should you find any errors or inconsistencies, we would be grateful if you could bring them to our attention.

The opinions, findings, and conclusions expressed herein are those of Fleis & VandenBrink Engineering, Inc. and do not necessarily reflect the official views or policy of the Hamburg Township, Livingston County Road Commission (LCRC), or the Michigan Department of Transportation (MDOT), which makes no warranty, either implied or expressed, for the information contained in this document; neither does it assume legal liability or responsibility for the accuracy, completeness or usefulness of this information. Any products, manufacturers or trademarks referenced in this document are used solely for reference purposes.



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Michigan.

Agency Review	Date	Comments

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- B. EXISTING TRAFFIC CONDITIONS
- C. BACKGROUND TRAFFIC CONDITIONS
- D. FUTURE TRAFFIC CONDITIONS

REFERENCES

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EXECUTIVE SUMMARY

This report presents the results of the Traffic Impact Study (TIS) for the proposed commercial development located adjacent to the south side of M-36, approximately 400-feet west of Chilson Road, in Hamburg Township, Michigan, as shown in **Figure E1**. The proposed development includes the construction of an automatic car wash, with one (1) tunnel, on undeveloped property. Site access is proposed via one (1) full access driveway on M-36, which is under the jurisdiction of the Michigan Department of Transportation (MDOT).

FIGURE E1: SITE LOCATION



BACKGROUND DATA

F&V subconsultant Quality Counts, LLC (QC) collected existing Turning Movement Count (TMC) data on Wednesday, January 24, 2024, during the MD (11:00 AM – 1:00 PM) and PM (4:00 PM – 6:00 PM) peak periods. The traffic volume data collection data is provided in **Appendix A**.

TRIP GENERATION

The number of weekday peak hour (MD and PM) and daily vehicle trips that would be generated by the proposed car wash development was forecast based on data published by ITE in the *Trip Generation Manual, 11th Edition*. The site trip generation forecast is summarized in **Table E1**.

The ITE trip generation database does not provide MD peak hour trip generation rates for LUC 948: Automated Car Wash; therefore, the PM peak hour trip generation rates were utilized to project the MD peak hour for the proposed car wash land use, in order to provide a conservative analysis.

Table E1: Trip Generation Summary

Land Use	ITE Code	Amount	Units	Average Daily Traffic (vpd)	MD Peak Hour (vph)			PM Peak Hour (vph)		
					In	Out	Total	In	Out	Total
Automated Car Wash	948	1	Tunnel	780	39	39	78	39	39	78

SITE TRIP DISTRIBUTION

The site access for the proposed development will be provided via one (1) driveway on M-36. The vehicular trips that would be generated by the proposed development were assigned to the study roads based on the proposed site access plan, the existing peak hour traffic patterns on the adjacent roadway network, and the methodologies published by ITE. The site trip distribution used in the analysis is summarized in **Table E2**.

Table E2: Site Trip Distribution

From/To	Via	AM	PM
North	Chilson Road	19%	18%
East	M-36	37%	53%
West	M-36	44%	29%
Total		100%	100%

CONCLUSIONS

The conclusions of this TIS are as follows:

1. Existing Conditions (2024)

- The results of the existing conditions analysis indicates that all approaches and movements at the study intersections are currently operating acceptably at LOS D or better, during both peak periods.
- Review of SimTraffic network simulations indicates acceptable operations throughout the study roadway network during both peak periods.
- The majority of vehicles at the signalized study intersection of M-36 & Chilson Road were observed to be serviced within each cycle length and vehicles at the minor-street stop-controlled intersection were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

2. Background Conditions (2025)

- A conservative annual background growth rate of **0.5%** per year was utilized to project the existing 2024 peak hour traffic volumes to the buildout year of 2025. No background developments were identified within the vicinity of the study area.
- The results of the background conditions analysis indicate that all approaches and movements at the study intersections are expected to continue operating acceptably, at LOS D or better during both peak periods, in a manner similar to the existing conditions analysis. SimTraffic also indicates acceptable operations throughout the study roadway network, similar to those observations made during existing conditions.

3. Future Conditions (2025)

- The results of the future conditions analysis, with the addition of the site-generated traffic from the proposed development, indicates that all approaches and movements at the study intersection are expected to continue operating acceptably at LOS D or better during both peak periods, in a manner similar to the background conditions analysis, with minor increases in delay.
- All approaches and movements at the proposed site driveway are expected to operate acceptably, at LOS D or better during both the MD and PM peak hours.
- Review of SimTraffic network simulations indicates acceptable operations, similar to those observations made during the background conditions analysis. Additionally, egress vehicles at the proposed site driveway were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

4. Gap Study

- The results of the gap study evaluation indicates that there are a significant number of adequate gaps available within the through traffic along M-36, with more than four (4) sufficient gaps per minute, or more than 240 gaps per hour, observed during both the MD and PM peak hours.

5. Vehicle Queueing

- The results of the vehicle queueing analysis indicates the proposed Site Drive location has adequate available center two-way left-turn lane (TWLTL) storage to accommodate ingress left-turns at the proposed site drive, without impacting the adjacent BP Drive or the signalized Chilson Road intersection.

6. Access Management

- The MDOT auxiliary right-turn criteria were evaluated at the proposed site driveway on M-36. The results of the analysis indicate that right-turn treatments are **NOT** warranted.
- The location of the proposed site driveway will be aligned directly opposite the existing Hamburg Shopping Center East Drive, which follows best access management practices. The MDOT guidance document indicates that aligning new commercial driveways with existing driveways is ideal to provide for the safety and functional integrity of the roadway.
- When aligning with existing driveways is not possible, set distances determined by MDOT are required for the new driveway to be offset from existing driveways, based on speed limit and orientation to nearby existing driveways. However, there is not adequate property frontage available to provide offset driveways which would meet the recommended spacing requirements for safe and efficient operations.

7. Horizontal Sight Distance Evaluation

- The results of the intersection sight distance evaluation indicates that the location of the proposed site driveway will provide an adequate line of sight, free of vegetation and permanent obstructions.
- There is potential for egress vehicles on the site driveway approach to have a partial obstruction due to vehicles in the eastbound queue on M-36 at the signalized Chilson Road intersection. Review of SimTraffic network simulations indicates that all vehicle queues at the signal were observed to be serviced within each cycle length; therefore, any temporary vehicular obstructions from queued vehicles waiting at the signal would only be momentary and would be expected to clear regularly, thereby providing a clear line of sight.

8. Crash Analysis

- The results of the crash analysis indicate that there were NO reported crashes within the last five (5) years of available data at the existing site driveways adjacent to the proposed site driveway intersection.
- Based on the low crash frequency and the types of crashes reported at the signalized study intersection of M-36 & Chilson Road, no correctable crash patterns were identified.

RECOMMENDATIONS

The recommendations of this TIS are as follows:

- The results of the TIS analysis indicates that the proposed curb cut does not present a traffic safety issue and that the proposed development will operate acceptably within the exiting roadway geometry.
 - Therefore, no improvements are recommended.

1 INTRODUCTION

This report presents the results of the Traffic Impact Study (TIS) for the proposed commercial development located adjacent to the south side of M-36, approximately 400-feet west of Chilson Road, in Hamburg Township, Michigan, as shown on the attached **Figure 1**. The proposed development includes the construction of an automatic car wash with one (1) tunnel on undeveloped property. Site access is proposed via one (1) full access driveway on M-36, which is under the jurisdiction of the Michigan Department of Transportation (MDOT).

F&V proposes to complete the TIS for this project in accordance with the requirements outlined in the MDOT Geometric Design Guidance Section 1.2.4 and pursuant to the Hamburg Township requirements for site plan approval. Specific tasks undertaken for this study include the following:

1. Study Area

- a. Provide a description of the study area including: intersection and roadway geometries, speed limits, functional classifications, and traffic volume data (where available). In addition, a study area site map showing the site location and the study intersections will also be provided.

2. Proposed Land Use

- a. Obtain and review the proposed site plan which includes the proposed land uses, densities, and desired site access locations. A description of the current and proposed land use, including the number and type of dwelling units, will be accompanied with a complete project site plan.

3. Existing Conditions

- a. Provide an analysis of the traffic-related impacts of the proposed development at the following study intersections:
 - M-36 & Chilson Road, and
 - M-36 & Hamburg Village Shopping Center East Drive / Site Drive.
- b. Collect peak period turning movement counts at the study intersections during the peak hour operations of the proposed site and the adjacent street, which are expect to during the MD peak hour (11:00 AM to 1:00 PM) and the PM peak hour (4:00 PM to 6:00 PM). Additional data collection will be performed at the following intersections for modeling purposes only:
 - M-36 & Hamburg Village Shopping Center West Drive, and
 - M-36 & BP Driveway.
- c. Collect vehicle Gap data at the following study intersection, in order to determine the number of gaps in traffic available for both lanes, which would accommodate northbound left-turn movements at the proposed site driveway.
 - M-36 & Hamburg Village Shopping Center East Drive / Site Drive
- d. Calculate the **Existing** vehicle delays, LOS, and vehicle queues at the study intersections during the MD and PM peak hours. Intersection analysis shall include LOS determination for all approaches and movements. The LOS will be based on the procedures outlined in the HCM 6th Edition.

4. Background Conditions

- a. Calculate the future background traffic volumes to the project build-out year based on the projected traffic growth rates calculated from historic traffic volume data.
- b. Any state, local, or private transportation improvement projects in the project study area that will be underway in the build-out year and traffic that is generated by other proposed developments in the study area as identified by the City will be included as background conditions.
- c. Calculate the **Background (without the proposed development)** vehicle delays, LOS, and vehicle queues at the study intersections during the MD and PM peak periods. Intersection analysis shall include LOS determination for all approaches and movements. The LOS will be based on the procedures outlined in the HCM 6th Edition.

5. Trip Generation

- a. Forecast the number of weekday peak hour (MD and PM) and daily vehicle trips that would be generated by the proposed development, based on data published by the Institute of Transportation Engineers (ITE) in *Trip Generation, 11th Edition* and/or local development data as approved for use in the study by MDOT, Hamburg Township, and the Livingston County Road Commission (LCRC).
- b. A table will be provided in the report outlining the categories and quantities of land uses, with the corresponding trip generation rates or equations, and the resulting number of trips.

6. Trip Distribution and Traffic Assignment

- a. Assign the trips that would be generated by the proposed development to the adjacent road network based on existing traffic patterns. The distribution of the estimated trip generation to the adjacent street network and nearby intersections shall be included in the report and the basis will be explained. The distribution percentages with the corresponding volumes will be provided in a graphical format.
- b. Combine the site-generated traffic assignments with the background traffic forecasts to establish the Future weekday MD and PM peak hour traffic volumes.

7. Future Conditions

- a. Calculate the **Future (with the proposed development)** vehicle delays, LOS, and vehicle queues at the study intersections during the weekday MD and PM peak periods. Intersection analysis shall include LOS determination for all approaches and movements. The LOS will be based on the procedures outlined in the HCM 6th Edition.
- b. Identify improvements (if any) for the study road network that would be required to accommodate the site-generated traffic volumes.
- c. Provide a gap analysis at the proposed site driveway intersection to determine the number of available gaps and the ability to accommodate the proposed site generated traffic. This analysis will be performed to address the following comment: *Egress vehicles exit the car wash onto M-36 at a driveway located opposite Hamburg Village Shopping Center and need adequate gaps in traffic from through traffic on M-36 and the turning movements from the adjacent driveways.*
- d. Provide a summary table and exhibit with the east/west storage lengths and existing 50th% and 95th% queue lengths on M-36 at the following study intersections. Provide a back-to-back left-turn lane evaluation at the study intersections to address the following comment: *The shared center turn lane usage creates the potential for conflicts with vehicles at the adjacent driveways and at the Chilson Road intersection.*
 - M-36 & Chilson Road,
 - M-36 & Hamburg Village Shopping Center East Drive / Site Drive,
 - M-36 & Hamburg Village Shopping Center West Drive, and
 - M-36 & BP Driveway.

8. Access Management

- a. Provide discussion from MDOT regarding best access management practices, specifically addressing MDOT guidelines for driveways located opposite existing driveway location and why this is a recommended practice.
- b. Perform a crash analysis at the following study intersections and driveways for the most recent three (3) years of available data, in order to determine if there are any existing crash patterns associated with the current intersection operations.
 - M-36 & Chilson Road,
 - M-36 & Hamburg Village Shopping Center East Drive / Site Drive,
 - M-36 & Hamburg Village Shopping Center West Drive, and
 - M-36 & BP Driveway.

- c. Review the intersection sight distance at the proposed site driveway approach to determine the potential for vehicles to impact the line of sight for egress left-turns to address the following comment: *Vehicles queued on M-36 at the Chilson Road intersection create the potential to block the sight distance for egress left-turns at the site driveway.*

The scope of this study was developed based on Fleis & VandenBrink's (F&V) knowledge of the study area, understanding of the development program, professional experience, accepted traffic engineering practice, and information published by the Institute of Transportation Engineers (ITE). The study analyses were completed using Synchro/SimTraffic (Version 11). Sources of data for this study include F&V subconsultant Quality Counts, LLC (QC), information provided by Hamburg Township, ITE, the Livingston County Road Commission (LCRC), and the Southeast Michigan Council of Governments (SEMCOG). All background information is provided in **Appendix A**.

2 BACKGROUND DATA

2.1 EXISTING ROAD NETWORK

The lane use and traffic control at the study intersections are shown on the attached **Figure 2** and the study roadways are further described below. For the purposes of this study, all minor streets and driveways were assumed to have an operating speed of 25 miles per hour (mph), unless otherwise noted.

M-36 generally runs in the east / west directions, adjacent to the north side of the project site. The study section of roadway has a posted speed limit of 45-mph, is under the jurisdiction of MDOT, is classified as *Minor Arterial*, and has an Average Annual Daily Traffic (AADT) volume of approximately 18,833 (MDOT 2016) vehicles per day (vpd). M-36, in the vicinity of the project site, provides a typical three-lane cross-section, with one (1) lane of travel in each direction and a center two-way left-turn lane (TWLTL). At the signalized intersection with Chilson Road, M-36 widens to provide an exclusive eastbound right-turn lane.

Chilson Road generally runs in the north / south directions, terminating from the north at M-36, approximately 400-feet east of the project site. The study section of roadway is under the jurisdiction of LCRC, is classified as a *Minor Arterial*, has a posted speed limit of 35-mph, and has an AADT volume of approximately 6,331 vpd (MDOT 2022). However, south of M-36, Chilson Road becomes a shopping center driveway, with an unposted speed limit; therefore, a prima facie speed limit of 25-mph was assumed. Chilson Road provides a typical two-lane cross-section, with one (1) lane of travel in each direction; additionally, Chilson Road widens at the signalized intersection with M-36 to provide exclusive left-turn lanes in both directions.

2.2 EXISTING TRAFFIC VOLUMES

F&V subconsultant QC collected existing Turning Movement Count (TMC) data on Wednesday, January 24, 2024, during the MD (11:00 AM – 1:00 PM) and PM (4:00 PM – 6:00 PM) peak periods at the following study intersections:

- M-36 & Chilson Road
- M-36 & Hamburg Village Shopping Center East Drive / Site Drive

Additional TMC data was collected at the following intersections / driveways for modeling purposes only:

- M-36 & BP Driveway
- M-36 & Hamburg Village Shopping Center West Drive

During collection of the turning movement counts, Peak Hour Factors (PHFs), pedestrian and bike volumes, and commercial truck percentages were recorded and used in the traffic analysis. Peak hour data was utilized at each of the study intersections, then the through volumes were carried through the study roadway network and balanced upwards at the proposed site driveway location. Therefore, the traffic volumes used in the analysis and shown on the attached traffic volume figures may not match the raw traffic volume collection data that is shown in the appendices.

The weekday MD and PM peak hours for the adjacent roadway network were observed to generally occur between 12:00 PM to 1:00 PM and 4:45 PM to 5:45 PM, respectively. F&V collected an inventory of existing lane use and traffic controls, as shown on the attached **Figure 2**. Additionally, F&V obtained the current traffic signal timing information for the study intersection of M-36 & Chilson Road from MDOT. The existing 2024 peak hour traffic volumes used in the analysis are shown on the attached **Figure 3**. Background data referenced in this report are included in **Appendix A**.

3 EXISTING CONDITIONS

3.1 EXISTING OPERATIONS

Existing peak hour vehicle delays and Levels of Service (LOS) were calculated at the study intersections using Synchro/SimTraffic (Version 11) traffic analysis software. This analysis was based on the existing lane use and traffic control shown on the attached **Figure 2**, the existing peak hour traffic volumes shown on the attached **Figure 3**, and methodologies presented in the *Highway Capacity Manual, 6th Edition* (HCM6).

Descriptions of LOS “A” through “F” as defined in the HCM6, are provided in **Appendix B** for signalized and unsignalized intersections. Typically, LOS D is considered acceptable, with LOS A representing minimal delay, and LOS F indicating failing conditions. Additionally, SimTraffic network simulations were utilized to calculate the existing vehicle queueing at the study intersections. The results of the existing conditions analysis are presented in **Appendix B** and are summarized in **Table 1**.

Table 1: Existing Intersection Operations

Intersection	Control	Approach	Existing Conditions			
			MD Peak		PM Peak	
			Delay (s/veh)	LOS	Delay (s/veh)	LOS
1 M-36 & Chilson Road	Signalized	EBL	6.3	A	20.8	C
		EBT	5.0	A	7.4	A
		EBR	4.1	A	6.2	A
		WBL	5.7	A	8.7	A
		WBTR	5.3	A	13.9	B
		NBL	31.6	C	35.2	D
		NBTR	27.5	C	26.7	C
		SBL	31.4	C	32.6	C
		SBTR	28.3	C	27.6	C
		Overall	12.0	B	17.6	B
2 M-36 & Shopping E. Drive	Stop (Minor)	EBL	8.2	A	9.5	A
		WB	Free			
		SB	16.5	C	29.0	D

The results of the existing conditions analysis indicates that all approaches and movements at the study intersections are currently operating acceptably, at LOS D or better, during both the MD and PM peak hours. Review of SimTraffic network simulations also indicate acceptable operations throughout the study roadway network. The majority of vehicles at the signalized study intersection were observed to be serviced within each cycle length and vehicles at the stop-controlled intersection were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

4 BACKGROUND CONDITIONS (2025 NO BUILD)

4.1 BACKGROUND OPERATIONS

Historical population and employment profile data was obtained for Hamburg Township from the Southeast Michigan Council of Governments (SEMCOG) database, in order to calculate an annual background growth rate to project the existing 2024 peak hour traffic volumes to the site buildout year of 2025. Population and employment projections from 2020 to 2050 were reviewed and show average annual growth rates of 0.35% and 0.40%, respectively. Therefore, a conservative annual background growth rate of **0.5%** per year was applied to the existing 2024 peak hour traffic volumes, in order to forecast the background 2025 peak hour traffic volume **without the proposed development**, as shown on the attached **Figure 4**.

Background peak hour vehicle delays and LOS were calculated based on the existing lane use and traffic control shown on the attached **Figure 2**, the background 2025 peak hour traffic volumes shown on the attached **Figure 4**, and the methodologies presented in the HCM6. The results of the analysis of background conditions are presented in **Appendix C** and are summarized in **Table 2**.

Table 2: Background Intersection Operations

Intersection	Control	Approach	Existing Conditions				Background Conditions				Difference			
			MD Peak		PM Peak		MD Peak		PM Peak		MD Peak		PM Peak	
			Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS
1 M-36 & Chilson Road	Signal	EBL	6.3	A	20.8	C	6.4	A	21.1	C	0.1	-	0.3	-
		EBT	5.0	A	7.4	A	5.0	A	7.4	A	0.0	-	0.0	-
		EBR	4.1	A	6.2	A	4.1	A	6.2	A	0.0	-	0.0	-
		WBL	5.7	A	8.7	A	5.7	A	8.8	A	0.0	-	0.1	-
		WBTR	5.3	A	13.9	B	5.3	A	14.1	B	0.0	-	0.2	-
		NBL	31.6	C	35.2	D	31.6	C	35.2	D	0.0	-	0.0	-
		NBTR	27.5	C	26.7	C	27.5	C	26.6	C	0.0	-	-0.1	-
		SBL	31.4	C	32.6	C	31.4	C	32.6	C	0.0	-	0.0	-
		SBTR	28.3	C	27.6	C	28.3	C	27.5	C	0.0	-	-0.1	-
	Overall	12.0	B	17.6	B	12.0	B	17.7	B	0.0	-	0.1	-	
2 M-36 & Shopping E. Drive	Stop (Minor)	EBL	8.2	A	9.5	A	8.2	A	9.5	A	0.0	-	0.0	-
		WB	Free				Free				N/A			
		SB	16.5	C	29.0	D	16.6	C	29.1	D	0.1	-	0.1	-

The results of the background conditions analysis indicates that all study intersection approaches and movements will continue to operate acceptably, at LOS D or better during both peak periods, in a manner similar to the existing conditions analysis. Review of SimTraffic microsimulations also indicates acceptable operations, similar to those observations made during existing conditions, with minimal vehicle queueing observed.

5 SITE TRIP GENERATION

The number of weekday peak hour (MD and PM) and daily vehicle trips that would be generated by the proposed development were calculated using the rates and equations published by the Institute of Transportation Engineers (ITE) in *Trip Generation Manual, 11th Edition*. The proposed development includes the construction of an automated car wash with one (1) tunnel. The site trip generation forecast utilized for this study is summarized in **Table 3**.

Table 3: Site Trip Generation

Land Use	ITE Code	Amount	Units	Average Daily Traffic (vpd)	MD Peak Hour (vph)			PM Peak Hour (vph)		
					In	Out	Total	In	Out	Total
Automated Car Wash	948	1	Tunnel	780	39	39	78	39	39	78

The ITE trip generation database does not provide MD peak hour trip generation rates for LUC 948: Automated Car Wash; therefore, the PM peak hour trip generation rates were utilized to project the MD peak hour for the proposed car wash land use, in order to provide a conservative analysis. Additionally, commercial land uses typically generate a portion of trip from the adjacent street, wherein these vehicles are already on the roadway and stop at the site and continue on their trip. These trips are considered “pass-by” trips and do not generate new traffic to the roadway network and would therefore be reduced from the total new trips generated by a study site; however, in order to provide a conservative analysis, pass-by trips were not considered.

6 TRIP DISTRIBUTION AND SITE TRAFFIC ASSIGNMENT

The site access for the proposed development will be provided via one (1) full access driveway on M-36. The vehicular trips that would be generated by the proposed development were assigned to the study roadway network based on the proposed site access plan, the existing peak hour traffic patterns on the adjacent roadway network, and the methodologies published by ITE. The adjacent street traffic volumes were used to develop the trip distribution. The ITE trip distribution methodology assumes that new trips will enter the study roadway network to access the proposed development, then return to their direction of origin. The site trip distribution used in the analysis is summarized in **Table 4**.

Table 4: Site Trip Distribution

To/From	Via	AM	PM
North	Chilson Road	19%	18%
East	M-36	37%	53%
West	M-36	44%	29%
Total		100%	100%

The vehicular traffic volumes shown in **Table 3** were distributed to the study roadway network according to the distribution shown in **Table 4**. The site generated trips shown on **Figure 5** and were added to the background peak hour traffic volumes shown on the attached **Figure 4**, in order to calculate the future peak hour traffic volumes with the addition of the proposed development. Future peak hour traffic volumes are shown on the attached **Figure 6**.

7 FUTURE CONDITIONS (2025)

7.1 FUTURE OPERATIONS

The future peak hour vehicle delays and LOS *with the proposed development* were calculated based on the proposed lane use and traffic control shown on the attached **Figure 2**, the proposed site access plan, the future peak hour traffic volumes shown on the attached **Figure 6**, and the methodologies presented in the HCM6. The results of the future conditions analysis are presented in **Appendix D** and are summarized in **Table 5**.

Table 5: Future Intersection Operations

Intersection	Control	Approach	Background Conditions				Future Conditions				Difference			
			MD Peak		PM Peak		MD Peak		PM Peak		MD Peak		PM Peak	
			Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS
1 M-36 & Chilson Road	Signal	EBL	6.4	A	21.1	C	6.6	A	23.3	C	0.2	-	2.2	-
		EBT	5.0	A	7.4	A	5.2	A	7.7	A	0.2	-	0.3	-
		EBR	4.1	A	6.2	A	4.1	A	6.4	A	0.0	-	0.2	-
		WBL	5.7	A	8.8	A	5.9	A	9.2	A	0.2	-	0.4	-
		WBTR	5.3	A	14.1	B	5.5	A	15.1	B	0.2	-	1.0	-
		NBL	31.6	C	35.2	D	31.9	C	35.2	D	0.3	-	0.0	-
		NBTR	27.5	C	26.6	C	27.4	C	26.3	C	-0.1	-	-0.3	-
		SBL	31.4	C	32.6	C	31.4	C	32.1	C	0.0	-	-0.5	-
		SBTR	28.3	C	27.5	C	28.5	C	27.4	C	0.2	-	-0.1	-
		Overall	12.0	B	17.7	B	12.0	B	18.1	B	0.0	-	0.4	-
2 M-36 & Shopping E. Drive / Site Drive	Stop (Minor)	EBL	8.2	A	9.5	A	8.2	A	9.5	A	0.0	-	0.0	-
		WBL	Free				8.5	A	8.3	A	N/A			
		NB	N/A				16.7	C	19.3	C	N/A			
		SB	16.6	C	29.1	D	18.5	C	34.7	D	1.9	-	5.6	-

The results of the future conditions analysis indicates that all approaches and movements at the study intersections and proposed site driveway are expected to operate acceptably, at LOS D or better during both peak periods, in a manner similar to the background conditions analysis. Review of SimTraffic microsimulations also indicates acceptable operations, similar to those observations made during existing conditions, with the majority of vehicle queues observed to be processed through the signalized study intersection of M-36 & Chilson Road within each cycle length. Additionally, SimTraffic network simulations at minor-street stop-controlled site driveway intersection indicates that ingress/egress vehicles traveling to/from the proposed development were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

7.2 GAP STUDY

A gap study was conducted along M-36 at the intersection with Hamburg Village Shopping Center East Drive / Site Drive, in order to identify the available gaps in traffic along M-36. This analysis was performed to address the concerns noted, in a memo from the Hamburg Safety Director dated November 17, 2023, regarding the *projected car wash site vehicles exit onto M-36 at a driveway located opposite Hamburg Village Shopping Center and the need to provide adequate gaps in traffic from through traffic on M-36 and from the turning movements associated with the adjacent driveways.*

The critical headway represents the time interval (gap) in the major street traffic stream that motorists queued on a side street are willing to accept in order to proceed into or across the main street traffic flow. The critical headway for a left-turn movement from the proposed site driveway onto M-36 was determined based on vehicle turning information provided within the AASHTO Geometric Design of Highways and Street (*Green Book Table 9-6*). The number of acceptable gaps in the conflicting traffic stream(s) for each movement was then determined based on the summation of all gaps greater than or equal to the critical headway. The results of the gap study are shown in **Table 6**.

Table 6: M-36 & Site Drive – Gap Data

Movement			Left-Turn onto WB M-36	Movement			Left-Turn onto WB M-36
Critical Headway (sec)			8	Critical Headway (sec)			8
Number of Available Gaps	MD Peak	11:00 AM to 12:00 PM	295	PM Peak	4:00 PM to 5:00 PM	282	
		12:00 PM to 1:00 PM	300		5:00 PM to 6:00 PM	261	

SUMMARY

- The results of the gap study evaluation indicates that there are a significant number of adequate gaps available within the through traffic along M-36 for egress traffic from the proposed development.
- There are more than four (4) sufficient gaps observed to occur every minute, or over 260 gaps per hour during both the MD and PM peak hours.
- There are more acceptable gaps in traffic available for this site than trips generated by the proposed development. Therefore, there are no concerns associated with the operations of this driveway and finding acceptable gaps in traffic.

7.3 QUEUEING ANALYSIS

A back-to back left-turn lane analysis was performed to address the concern noted, in a memo from the Hamburg Safety Director dated November 17, 2023, for this site that *shared center turn lane usage creates the potential for conflicts with vehicles at the adjacent driveways and at the Chilson Road intersection.*

The proposed Site Drive is located west of both the BP Drive and the M-36 & Chilson Road signalized intersection. The proposed site driveway location was reviewed to determine if there is adequate center TWLTL storage length to accommodate the back-to-back left-turns between the proposed Site Drive and the existing BP Drive / Chilson Road intersections. The SimTraffic microsimulations were reviewed in order to determine the expected vehicle queueing; the results are summarized in **Table 7**.

Table 7: Vehicle Queueing (50th and 95th Percentile)

Peak Period	Eastbound Left-Turn at BP Drive / Chilson Rd		Westbound Left-Turn at Site Drive		Total		Effective Queue Length (ft)	Exceeds Queue Length
	Avg. Queue (ft)	95th % Queue (ft)	Avg. Queue (ft)	95th % Queue (ft)	Avg. Queue (ft)	95th % Queue (ft)		
MD	2	14	9	32	7	46	200	No
PM	1	9	10	33	11	42	200	No

SUMMARY

- The results of the vehicle queueing analysis indicates the proposed Site Drive location has adequate available center TWLTL storage length to accommodate ingress left-turns at the proposed site drive.
- Back-to-back left-turn conflicts, with the addition of proposed development, are not anticipated with the adjacent BP Drive or the signalized intersection with Chilson Road.

8 ACCESS MANAGEMENT

8.1 MDOT DRIVEWAY LOCATION GUIDELINES

The location of the proposed site driveway was reviewed, in accordance with MDOT standards and best practices for the placement of new commercial driveways, as outlined in the MDOT Geometric Design Guidance Section 1.2.2

The MDOT guidance document indicates that aligning new commercial driveways with existing driveways is ideal to improve the safety and functional integrity of the roadway. When aligning with existing driveways is not possible, set distances determined by MDOT are required for the new driveway to be offset from existing driveways, based on the roadway speed limit and orientation to nearby existing driveways. However, there is not adequate property frontage available to provide an unaligned site driveway and meet the recommended spacing requirements for safe and efficient operations.

The proposed site driveway on M-36 approach is ideally located from a traffic and safety perspective and follows best access management practices, as identified below:

- The driveway is aligned directly opposite the existing Hamburg Village Shopping E. Drive intersection.
- There is an existing center TWLTL on M-36 at the BP driveway and signalized intersection of Chilson Road to accommodate vehicles without impacting through traffic along M-36.

The proposed location of the site driveway is the best option for this site and was approved by MDOT as the recommended driveway location. The applicant was unable to obtain access through the adjacent property and “Reasonable access” to property abutting a state highway or county road is protected by state law (Sec. 4 of Act 200 of 1969).

- Therefore, the proposed driveway location provides the optimal location for the project site, based on best access management practices, traffic operations, and safety.

8.2 HORIZONTAL SIGHT DISTANCE EVALUATION

A horizontal sight distance evaluation was performed, in order to determine if there is adequate sight distance on M-36 at the proposed Site Drive. The intersection sight distance was reviewed based on the requirements outlined in the American Association of State Highway and Transportation Officials (AASHTO), 2011, *Geometric Design of Highways and Streets*. According to Section 9.5 – Intersection Sight Distance. An intersection sight distance of 551-feet is required for a left turn from a complete stop at the proposed site driveway, based on the existing 45-mph speed limit (50 mph design speed) on the study section of M-36.

The AASHTO manual states that the “vertex (decision point) of the departure sight triangle on the minor road should be 14.5 ft from the edge of the major-road traveled way”. This gives an accurate depiction of driver behavior when preparing to make a turn from a minor roadway. The results of the sight distance analysis indicates that a driver waiting to egress the proposed Site Drive onto M-36 will not experience any visual obstructions from permanent structures or vegetation, to the east and west of the Site Drive. However, it is recommended that any vegetation within the clear vision triangles adjacent to the site driveway are removed/cleared during driveway construction, in order to ensure proper sight distance.

Further review of the intersection sight distance indicates that eastbound vehicle queues generated by the signalized study intersection of M-36 & Chilson Road have the potential to partially obstruct drivers’ views facing east. However, review of SimTraffic microsimulations indicates that all vehicle queues at the signal were observed to be serviced within each cycle length; therefore, any temporary vehicular obstructions from queued vehicles at the signal would have negligible impact on the site driveway operations as the queues would clear regularly, thereby providing a clear line of sight.

8.3 AUXILIARY TURN LANE EVALUATION

The MDOT auxiliary turn lane treatment criteria were evaluated at the proposed Site Drive. The study section of M-36 currently provides an existing center TWLTL adjacent to the project site; therefore, the left-turn criteria were not evaluated. This analysis was based on the future peak hour traffic volumes shown on **Figure 6**. The results of the analysis indicate that right-turn treatments are **NOT** warranted at the proposed site driveway; the results are shown on the attached MDOT warranting charts and summarized in **Table 8**.

Table 8: Right-Turn Treatment Analysis Summary

Site Driveway Intersection	MD Peak Hour	PM Peak Hour	Recommendation
M-36 & Site Drive	No Treatment	No Treatment	No Treatment

8.4 CRASH ANALYSIS

A crash analysis was conducted for all nearby intersections within the study roadway network. F&V obtained the crash data used in the analysis from the Michigan Traffic Crash Facts (MTCF) historical crash database website for the most recent **five (5) years** (January 1, 2018, to December 31, 2022) of available data. The results of the crash analysis evaluation are summarized for “crash types” in **Table 9** and for “worst injury involved in crash” in **Table 10**.

Table 9: Crash Type Summary

Intersections and M-36 Segments	Type	Crash Type									Total
		Single Motor Vehicle Crash	Backing	Head-On	Head-On Left-Turn	Angle	Rear End	Sideswipe-Same	Sideswipe-Opposite	Other / Unknown	
M-36 & Hamburg Village Shopping Center W. Drive	Intersection	0	0	0	0	0	0	0	0	0	0
Shopping W. Drive to Shopping E. Drive	Segment	0	0	0	0	0	0	0	0	0	0
M-36 & Hamburg Village Shopping Center E. Drive	Intersection	0	0	0	0	0	0	0	0	0	0
Shopping E. Drive to BP Drive	Segment	0	0	0	0	0	0	0	0	0	0
M-36 & BP Drive	Intersection	0	0	0	0	0	0	0	0	0	0
BP Drive to Chilson Road	Segment	0	0	0	0	0	0	1	0	0	1
M-36 & Chilson Road	Intersection	0	0	1	2	2	8	1	0	0	14
Total		0	0	1	2	2	8	2	0	0	15

Table 10: Crash Injury Summary

Intersections and M-36 Segments	Type	Worst Injury in Crash				Total
		Fatality	Type "A"	Type "B"	Type "C"	
M-36 & Hamburg Village Shopping Center W. Drive	Intersection	0	0	0	0	0
Shopping W. Drive to Shopping E. Drive	Segment	0	0	0	0	0
M-36 & Hamburg Village Shopping Center E. Drive	Intersection	0	0	0	0	0
Shopping E. Drive to BP Drive	Segment	0	0	0	0	0
M-36 & BP Drive	Intersection	0	0	0	0	0
BP Drive to Chilson Road	Segment	0	0	0	1	1
M-36 & Chilson Road	Intersection	0	0	0	2	2
Total		0	0	0	3	3

SUMMARY

- The results of the crash analysis indicate that there were NO reported crashes within the last five (5) years of available data at the existing driveways adjacent to the proposed development.
- **BP Drive to Chilson Road (Segment)**: There was one (1) crash reported on M-36 between the BP Drive and Chilson Road. The crash was a sideswipe-same that occurred as a result of a reckless driver improperly passing another vehicle. Alcohol / drug use was not identified in the crash report; however, the crash report indicates that the driver was “observed by several callers, driving on and off the roadway, crashing into signs”.
- **M-36 & Chilson Road (Intersection)**: There were 14 crashes reported at or associated with the signalized study intersection of M-36 & Chilson Road within the most recent five (5) years of data, with an average crash rate of 2.6 crashes per year at this signalized intersection.
 - The majority of the crashes were rear-end (57%) type crashes; the remaining were angle (14%), head-on left-turn (14%), sideswipe same-direction (7%), and head-on (7%) crash types.
 - The rear end crashes are typical for signalized intersections, in conjunction with distracted drivers. The head-on left-turn crashes were the result of failure to yield, while attempting to complete a left-turn when traffic was not clear.
 - The angle crashes were due to either failure to yield to oncoming traffic while the traffic signal was in flash mode or the driver improperly completing a left-turn within the intersection.
 - The head-on crash was due to a distracted driver and improper lane usage.
- Based on the low crash frequency and the types of crashes that were reported at the signalized study intersection of M-36 & Chilson Road, no correctable crash patterns were identified.

9 CONCLUSIONS

The conclusions of this TIS are as follows:

1. Existing Conditions (2024)

- The results of the existing conditions analysis indicates that all approaches and movements at the study intersections are currently operating acceptably at LOS D or better, during both peak periods.
- Review of SimTraffic network simulations indicates acceptable operations throughout the study roadway network during both peak periods.
- The majority of vehicles at the signalized study intersection of M-36 & Chilson Road were observed to be serviced within each cycle length and vehicles at the minor-street stop-controlled intersection were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

2. Background Conditions (2025)

- A conservative annual background growth rate of **0.5%** per year was utilized to project the existing 2024 peak hour traffic volumes to the buildout year of 2025. No background developments were identified within the vicinity of the study area.
- The results of the background conditions analysis indicate that all approaches and movements at the study intersections are expected to continue operating acceptably, at LOS D or better during both peak periods, in a manner similar to the existing conditions analysis. SimTraffic also indicates acceptable operations throughout the study roadway network, similar to those observations made during existing conditions.

3. Future Conditions (2025)

- The results of the future conditions analysis, with the addition of the site-generated traffic from the proposed development, indicates that all approaches and movements at the study intersection are expected to continue operating acceptably at LOS D or better during both peak periods, in a manner similar to the background conditions analysis, with minor increases in delay.

- All approaches and movements at the proposed site driveway are expected to operate acceptably, at LOS D or better during both the MD and PM peak hours.
- Review of SimTraffic network simulations indicates acceptable operations, similar to those observations made during the background conditions analysis. Additionally, egress vehicles at the proposed site driveway were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

4. Gap Study

- The results of the gap study evaluation indicates that there are a significant number of adequate gaps available within the through traffic along M-36, with more than four (4) sufficient gaps per minute, or more than 240 gaps per hour, observed during both the MD and PM peak hours.

5. Vehicle Queueing

- The results of the vehicle queueing analysis indicates the proposed Site Drive location has adequate available center two-way left-turn lane (TWLTL) storage to accommodate ingress left-turns at the proposed site drive, without impacting the adjacent BP Drive or the signalized Chilson Road intersection.

6. Access Management

- The MDOT auxiliary right-turn criteria were evaluated at the proposed site driveway on M-36. The results of the analysis indicate that right-turn treatments are **NOT** warranted.
- The location of the proposed site driveway will be aligned directly opposite the existing Hamburg Shopping Center East Drive, which follows best access management practices. The MDOT guidance document indicates that aligning new commercial driveways with existing driveways is ideal to provide for the safety and functional integrity of the roadway.
- When aligning with existing driveways is not possible, set distances determined by MDOT are required for the new driveway to be offset from existing driveways, based on speed limit and orientation to nearby existing driveways. However, there is not adequate property frontage available to provide offset driveways which would meet the recommended spacing requirements for safe and efficient operations.

7. Horizontal Sight Distance Evaluation

- The results of the intersection sight distance evaluation indicates that the location of the proposed site driveway will provide an adequate line of sight, free of vegetation and permanent obstructions.
- There is potential for egress vehicles on the site driveway approach to have a partial obstruction due to vehicles in the eastbound queue on M-36 at the signalized Chilson Road intersection. Review of SimTraffic network simulations indicates that all vehicle queues at the signal were observed to be serviced within each cycle length; therefore, any temporary vehicular obstructions from queued vehicles waiting at the signal would only be momentary and would be expected to clear regularly, thereby providing a clear line of sight.

8. Crash Analysis

- The results of the crash analysis indicate that there were NO reported crashes within the last five (5) years of available data at the existing site driveways adjacent to the proposed site driveway intersection.
- Based on the low crash frequency and the types of crashes reported at the signalized study intersection of M-36 & Chilson Road, no correctable crash patterns were identified.

RECOMMENDATIONS

The recommendations of this TIS are as follows:

- The results of the TIS analysis indicates that the proposed curb cut does not present a traffic safety issue and that the proposed development will operate acceptably within the exiting roadway geometry.
 - Therefore, no improvements are recommended.

FIGURES

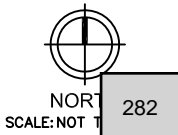


FIGURE 1 SITE LOCATION

HYPERSHINE CAR WASH TIS - HAMBURG TWP, MI

LEGEND

 SITE LOCATION



M-36

SHOPPING E. DRIVE

CHILSON ROAD

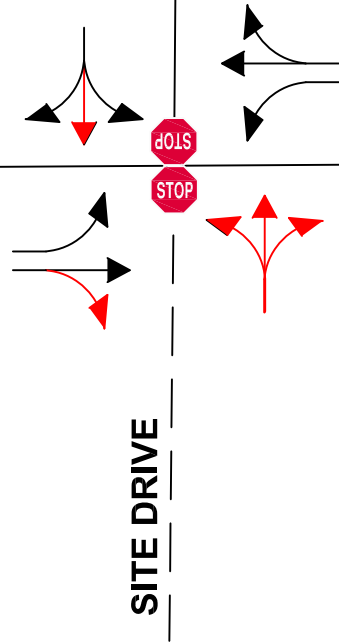


FIGURE 2

LANE USE AND TRAFFIC CONTROL

HYPERSHINE CAR WASH TIS - HAMBURG TWP, MI

LEGEND

- ROADS
- PROPOSED ROADS
- LANE USE
- PROPOSED LANE USE
- SIGNALIZED INTERSECTION
- UNSIGNALIZED INTERSECTION



M-36

SHOPPING E. DRIVE

CHILSON ROAD

4/2
8/9

11/20
380/751

49/80
44/68
90/118

76/164
274/559
15/37

2/1
424/418

38/49
297/295
93/85

70/126
42/87
31/32

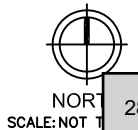


FIGURE 3 EXISTING TRAFFIC VOLUMES

HYPERSHINE CAR WASH TIS - HAMBURG TWP, MI

LEGEND

- ROADS
- - - PROPOSED ROADS
- TRAFFIC VOLUMES (MD/PM)



M-36

SHOPPING E. DRIVE

CHILSON ROAD

4/2
8/9

11/20
382/755

49/80
44/68
90/119

76/165
276/562
15/37

2/1
426/420

38/49
299/297
93/85

70/127
42/87
31/32

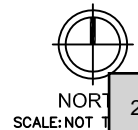


FIGURE 4 BACKGROUND TRAFFIC VOLUMES

HYPERSHINE CAR WASH TIS - HAMBURG TWP, MI

LEGEND

- ROADS
- - - PROPOSED ROADS
- TRAFFIC VOLUMES (MD/PM)



M-36

SHOPPING E. DRIVE

CHILSON ROAD

SITE DRIVE

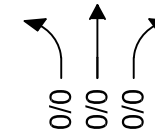
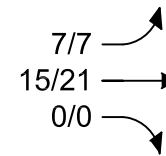
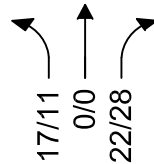
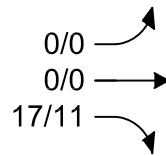
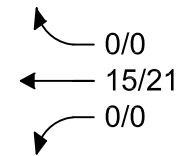
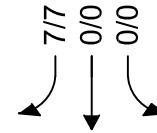
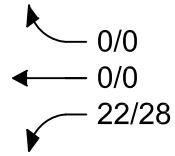
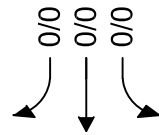


FIGURE 5
SITE-GENERATED TRAFFIC VOLUMES

HYPERSHINE CAR WASH TIS - HAMBURG TWP, MI

LEGEND

- ROADS
- - - PROPOSED ROADS
- TRAFFIC VOLUMES (MD/PM)



M-36

SHOPPING E. DRIVE

4/2
0/0
8/9

11/20
382/755
22/28

CHILSON ROAD

56/87
44/68
90/119

76/165
291/583
15/37

2/1
426/420
17/11

SITE DRIVE

17/11
0/0
22/28

45/56
314/318
93/85

70/127
42/87
31/32

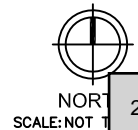


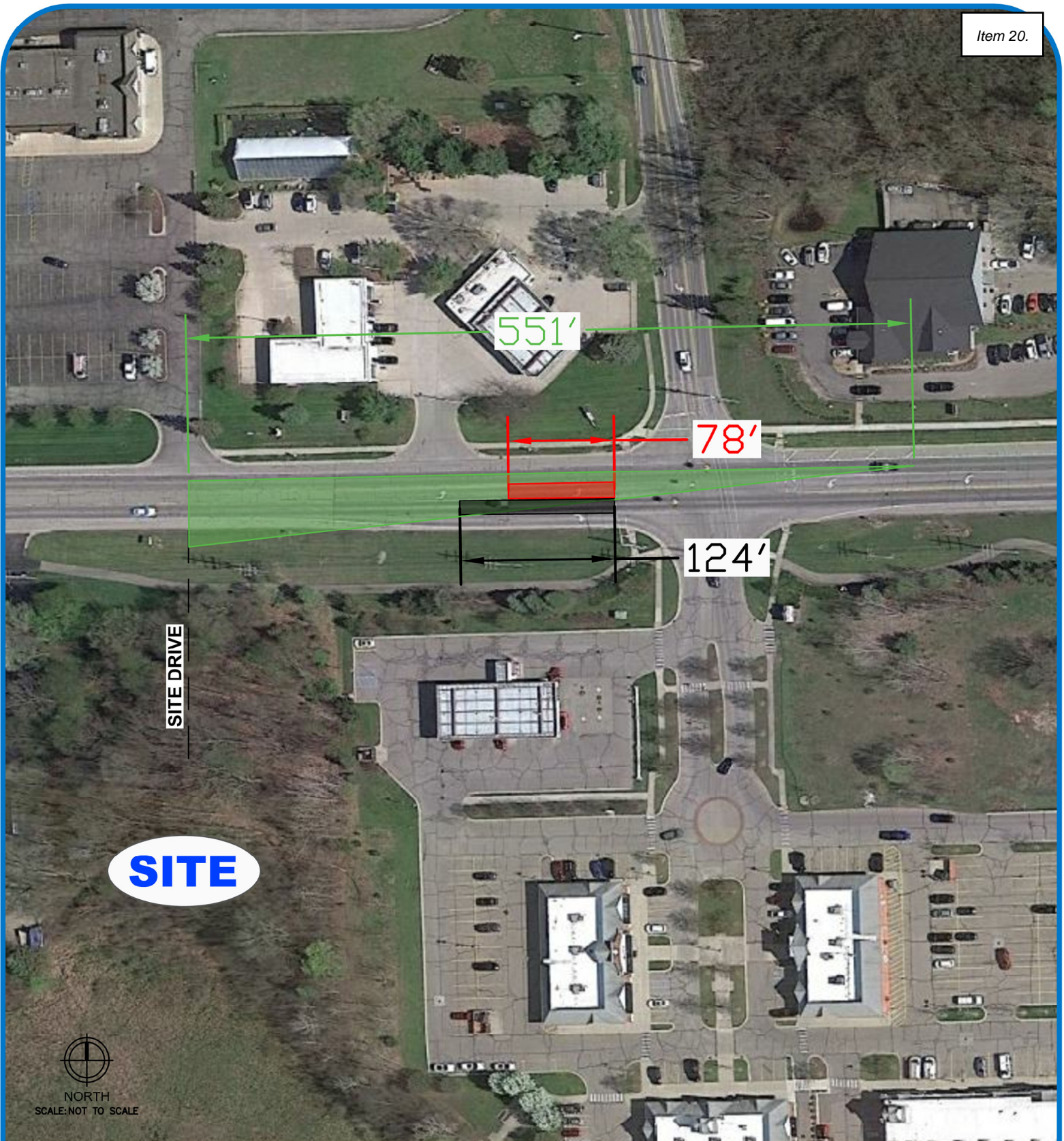
FIGURE 6 FUTURE TRAFFIC VOLUMES

HYPERSHINE CAR WASH TIS- HAMBURG TWP, MI

LEGEND

- ROADS
- - - PROPOSED ROADS
- TRAFFIC VOLUMES (MD/PM)





SITE

SITE DRIVE

551'

78'

124'



NORTH
SCALE: NOT TO SCALE



FIGURE 7 INTERSECTION SIGHT DISTANCE

HYPERSHINE CAR WASH TIS - HAMBURG TOWNSHIP, MI

LEGEND

- EB LEFT-TURN 95th% QUEUE
- EB THROUGH 95th% QUEUE
- SIGHT TRIANGLE

Appendix A

BACKGROUND INFORMATION



SOURCE: USGS MAPPING SYSTEM

LOCATION MAP

SCALE: 1" = 2,000'±

SITE DEVELOPMENT PLANS

FOR



PROPOSED CAR WASH

PID: 4715-22-400-024

VACANT E-M36

TOWNSHIP OF HAMBURG, LIVINGSTON COUNTY, MICHIGAN

APPLICANT

EROP LLC
3130 NORTH KANDY LANE
DECATUR, ILLINOIS 62526
217-972-4296

ARCHITECT

REB ARCHITECTS
103 WINDHAVEN DRIVE, SUITE 101
NICHOLASVILLE, KY 40356
859-523-1500

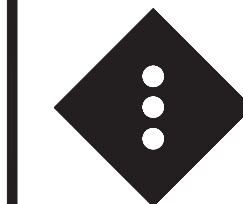
OWNER

CHILLSON COMMONS LLC
27600 NORTHWESTERN HWY STE 200
SOUTHFIELD, MI, 48034

NO.	DATE	ISSUE	BY	DESCRIPTION
3	09/26/2023	EM		REVISED WATER AND STORM CONNECTIONS
2	07/05/2023	JCIEM		FOR PRE-APPLICATION CONFERENCE
1	05/02/2023	JPIEM		FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

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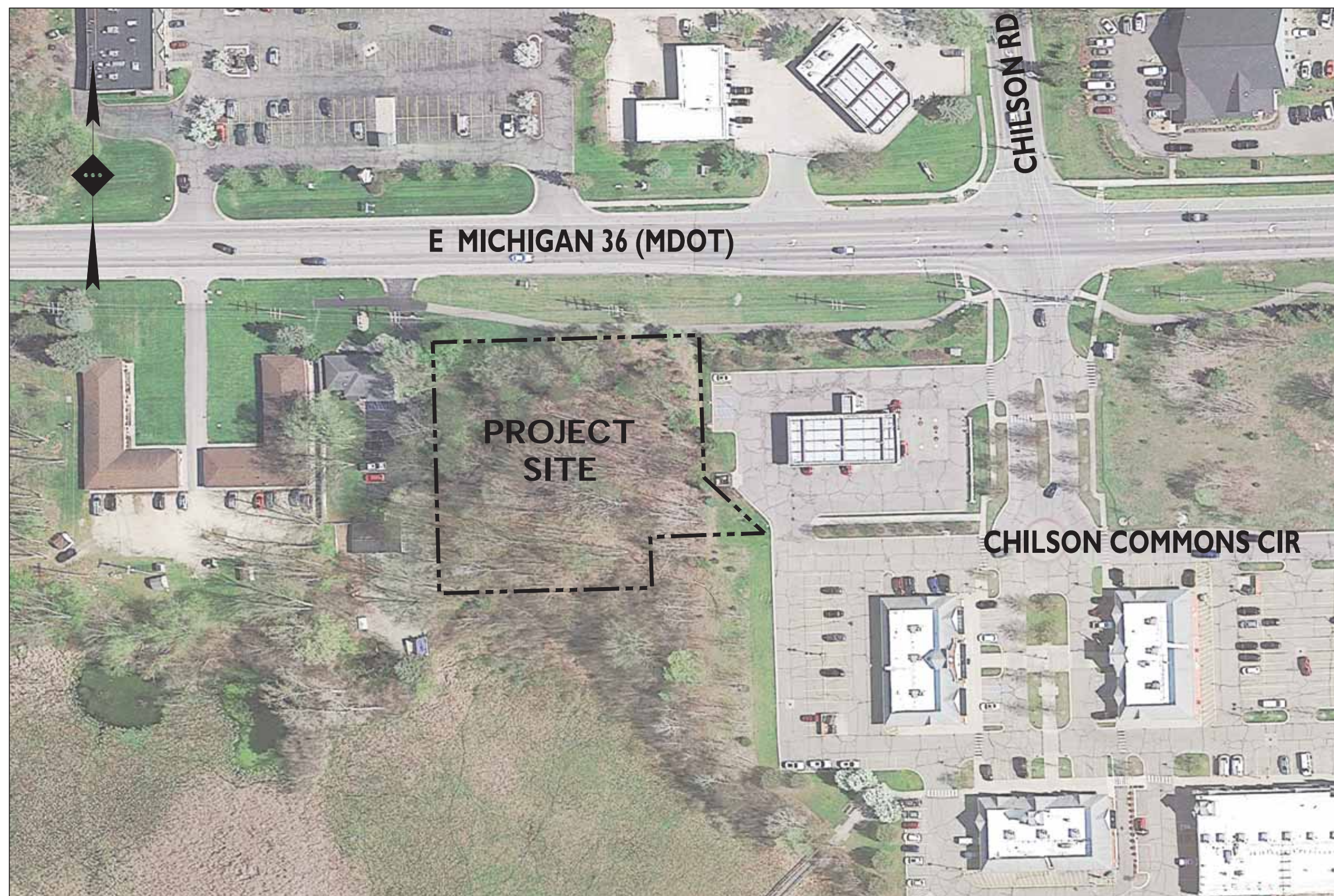


SITE DEVELOPMENT PLANS

EROP LLC

PROPOSED CAR WASH

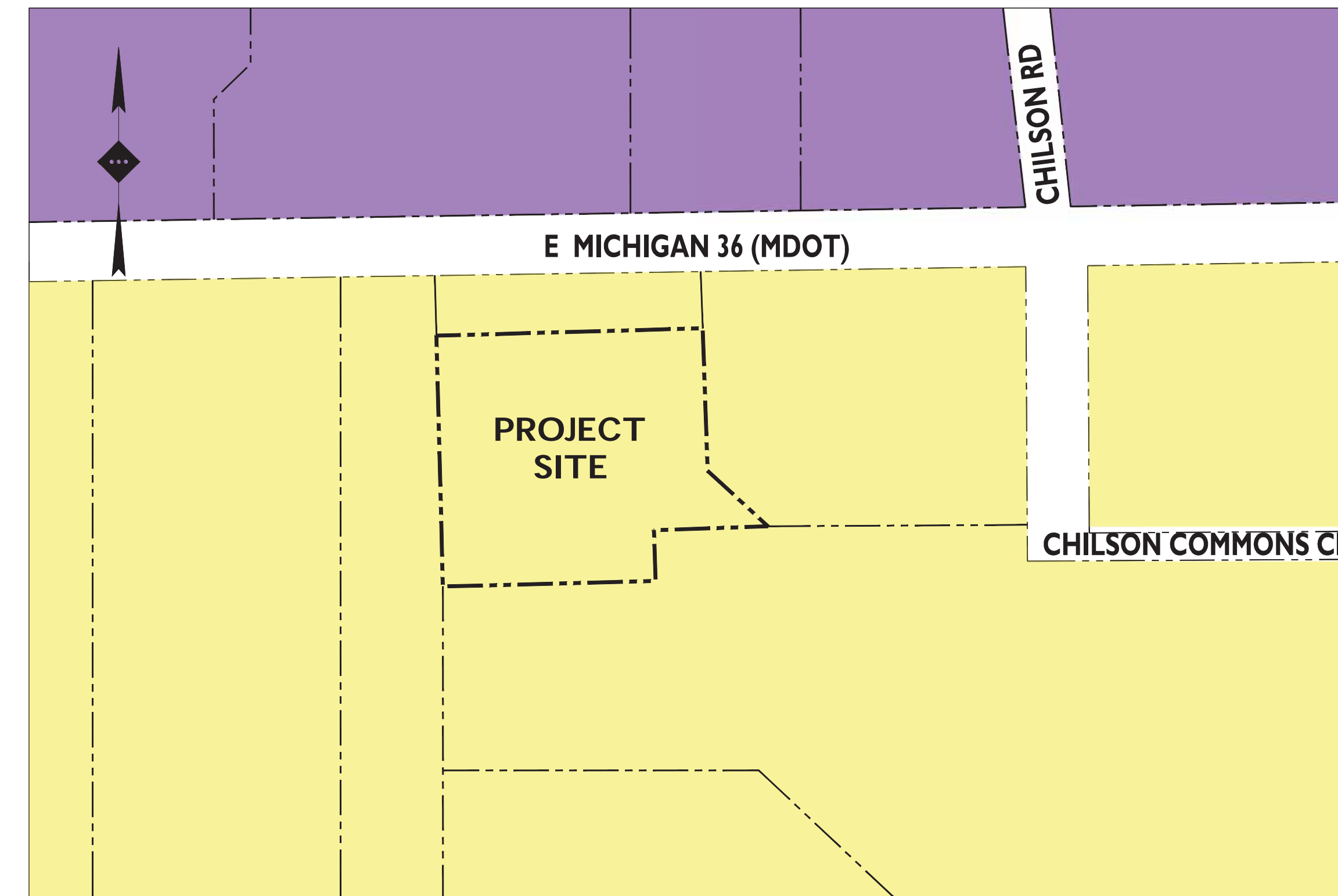
PARCEL ID: 4715-22-400-024
VACANT E-M36
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN



SOURCE: GOOGLE EARTH PRO

AERIAL MAP

SCALE: 1" = 100'±



SOURCE: TOWNSHIP OF HAMBURG, LIVINGSTON COUNTY, MICHIGAN OFFICIAL ZONING MAP

ZONING MAP

SCALE: 1" = 100'±

ZONING KEY

- WFR - WATERFRONT RESIDENTIAL
- CS - COMMUNITY SERVICE

PROPERTY DESCRIPTION:

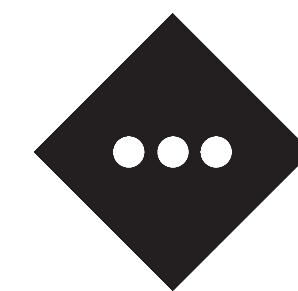
THE LAND SITUATED IN THE TOWNSHIP OF HAMBURG, COUNTY OF LIVINGSTON, STATE OF MICHIGAN, AND IS DESCRIBED AS FOLLOWS:

RECONFIGURED UNIT 9 DESCRIPTION:
A PARCEL OF LAND BEING PART OF UNIT 9 AND PART OF UNIT 7 OF CHILSON COMMONS SHOPPING CENTER, A CONDOMINIUM, ACCORDING TO THE MASTER DEED RECORDED IN LIBER 4266, PAGE 944, AS AMENDED BY FIRST AMENDMENT TO MASTER DEED RECORDED IN LIBER 4738, PAGE 535, SECOND AMENDMENT TO MASTER DEED RECORDED IN INSTRUMENT NO. 2011R-000963 AND THIRD AMENDMENT TO MASTER DEED RECORDED IN INSTRUMENT NO. 2022R-022074, AS AMENDED AND DESIGNATED AS LIVINGSTON COUNTY CONDOMINIUM SUBDIVISION PLAN NO. 303, TOGETHER WITH RIGHTS IN THE GENERAL COMMON ELEMENTS AND THE LIMITED COMMON ELEMENTS AS SHOWN ON THE MASTER DEED AND AS DESCRIBED IN ACT 59 OF THE PUBLIC ACTS OF 1978, AS AMENDED, DESCRIBED AS FOLLOWS: COMMENCING AT THE EAST 1/4 CORNER OF SECTION 22; THENCE ALONG THE EAST LINE OF SAID SECTION 22, SOUTH 01 DEGREE 08 MINUTES 26 SECONDS EAST, 95.25 FEET TO THE SOUTH LINE OF M-36; THENCE ALONG SAID SOUTH LINE OF M-36 THE FOLLOWING SEVEN (7) COURSES: 1.) 180.08 FEET ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 482.60 FEET AND A CHORD THAT BEARS NORTH 73 DEGREES 10 MINUTES 10 SECONDS WEST, 179.03 FEET; 2.) ALONG A RADIAL LINE SOUTH 06 DEGREES 08 MINUTES 27 SECONDS WEST, 33.00 FEET; 3.) 63.17 FEET ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 449.60 FEET AND A CHORD THAT BEARS NORTH 87 DEGREES 53 MINUTES 03 SECONDS WEST, 63.11 FEET; 4.) SOUTH 88 DEGREES 05 MINUTES 53 SECONDS WEST, 679.77 FEET; 5.) SOUTH 02 DEGREES 19 MINUTES 50 SECONDS EAST, 22.89 FEET; 6.) SOUTH 97 DEGREES 40 MINUTES 10 SECONDS WEST, 388.42 FEET; 7.) SOUTH 88 DEGREES 31 MINUTES 32 SECONDS WEST, 374.14 FEET TO THE POINT-OF-BEGINNING OF THIS PARCEL DESCRIPTION; THENCE SOUTH 01 DEGREE 59 MINUTES 56 SECONDS EAST, 127.85 FEET; THENCE SOUTH 47 DEGREES 18 MINUTES 25 SECONDS EAST, 73.48 FEET TO THE SOUTH LINE OF SAID UNIT 7; THENCE SOUTH 88 DEGREES 00 MINUTES 02 SECONDS WEST, ALONG THE SOUTH LINE OF SAID UNIT 7, 102.24 FEET TO THE EAST LINE OF SAID UNIT 9; THENCE SOUTH 01 DEGREES 59 MINUTES 56 SECONDS EAST, ALONG THE EAST LINE OF SAID UNIT 9, 45.57 FEET; THENCE SOUTH 88 DEGREES 31 MINUTES 32 SECONDS WEST, PARALLEL WITH THE SOUTH LINE OF M-36, 191.17 FEET TO A POINT ON THE WEST LINE OF SAID UNIT 9; THENCE NORTH 01 DEGREES 08 MINUTES 26 SECONDS WEST, ALONG THE WEST LINE OF SAID UNIT 9, 225.55 FEET TO THE SOUTH LINE OF M-36; THENCE NORTH 88 DEGREES 31 MINUTES 32 SECONDS EAST, ALONG THE SOUTH LINE OF M-36, 237.80 FEET TO THE POINT-OF-BEGINNING OF THIS PARCEL DESCRIPTION.

PLANS PREPARED BY:



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PLAN REFERENCE MATERIALS:

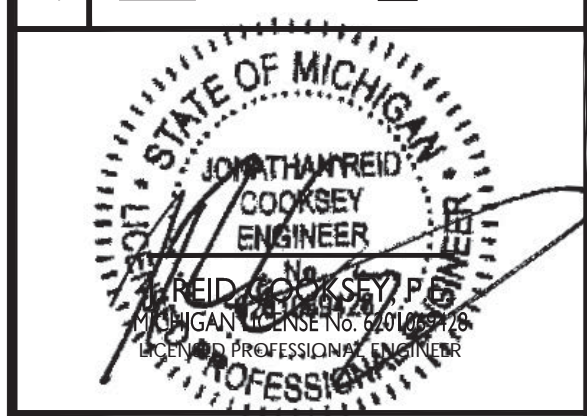
1. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO:
 - ALTA/NSPS LAND TITLE SURVEY PREPARED BY KEM-TEC, DATED 05/15/2023
 - ARCHITECTURAL FLOORPLAN AND ELEVATIONS PREPARED BY REB ARCHITECTS DATED 07/06/2023
 - AERIAL MAP OBTAIN FROM GOOGLE EARTH PRO
 - LOCATION MAP OBTAINED FROM USGS NATIONAL MAPPER
2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

SHEET INDEX

DRAWING TITLE	SHEET #
COVER SHEET	C-1
DEMOLITION PLAN	C-2
SITE PLAN	C-3
GRADING PLAN	C-4
STORMWATER MANAGEMENT PLAN	C-5
UTILITY PLAN	C-6
LIGHTING PLAN	C-7
LANDSCAPING PLAN	C-8
CONSTRUCTION DETAILS	C-9 TO C-11

ADDITIONAL SHEETS

DRAWING TITLE	SHEET #
ALTA / NSPS LAND TITLE SURVEY	1 OF 1



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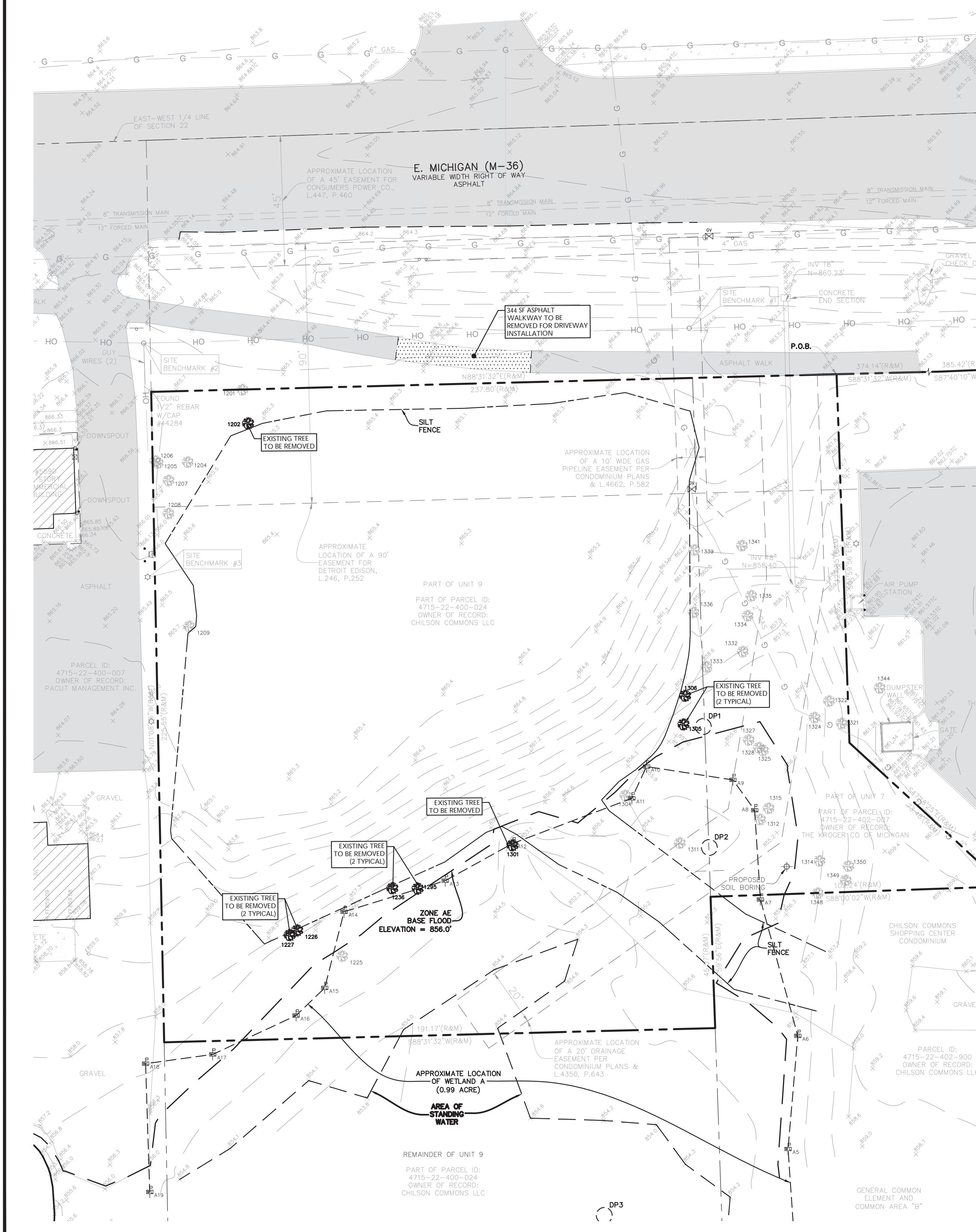
SCALE: AS SHOWN PROJECT ID: DET-220416

TITLE:

COVER SHEET

DRAWING:

C-1



SYMBOL	DESCRIPTION
	PROPERTY LINE
	FEATURE TO BE REMOVED / DEMOLISHED

ALL SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF SIGNIFICANT DISCREPANCIES ARE DISCERNED BETWEEN THIS PLAN AND FIELD CONDITIONS

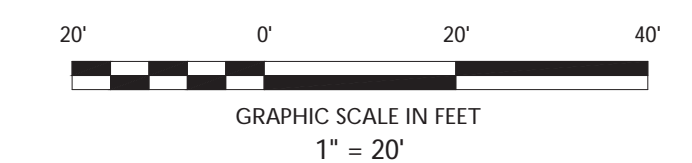
STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE ARE REQUIRED TO BE INSTALLED PRIOR TO CONSTRUCTION. SEE SOIL EROSION PLAN.



Know what's below
Call before you dig.

DEMOLITION NOTES

1. THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
3. EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE, AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
4. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
5. DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.



ISSUE	DATE	BY	DESCRIPTION
3	09/26/2023	EM	REVISED WATER AND STORM CONNECTIONS FOR PRE-APPLICATION CONFERENCE
2	07/05/2023	JCEM	FOR PRE-APPLICATION CONFERENCE
1	05/07/2023	JPEM	FOR CLIENT REVIEW

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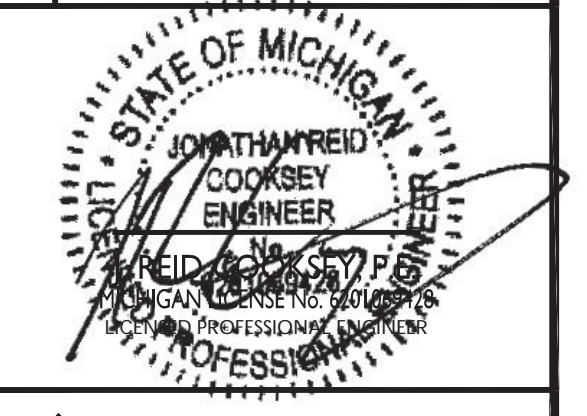


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SITE DEVELOPMENT PLANS
EROP LLC

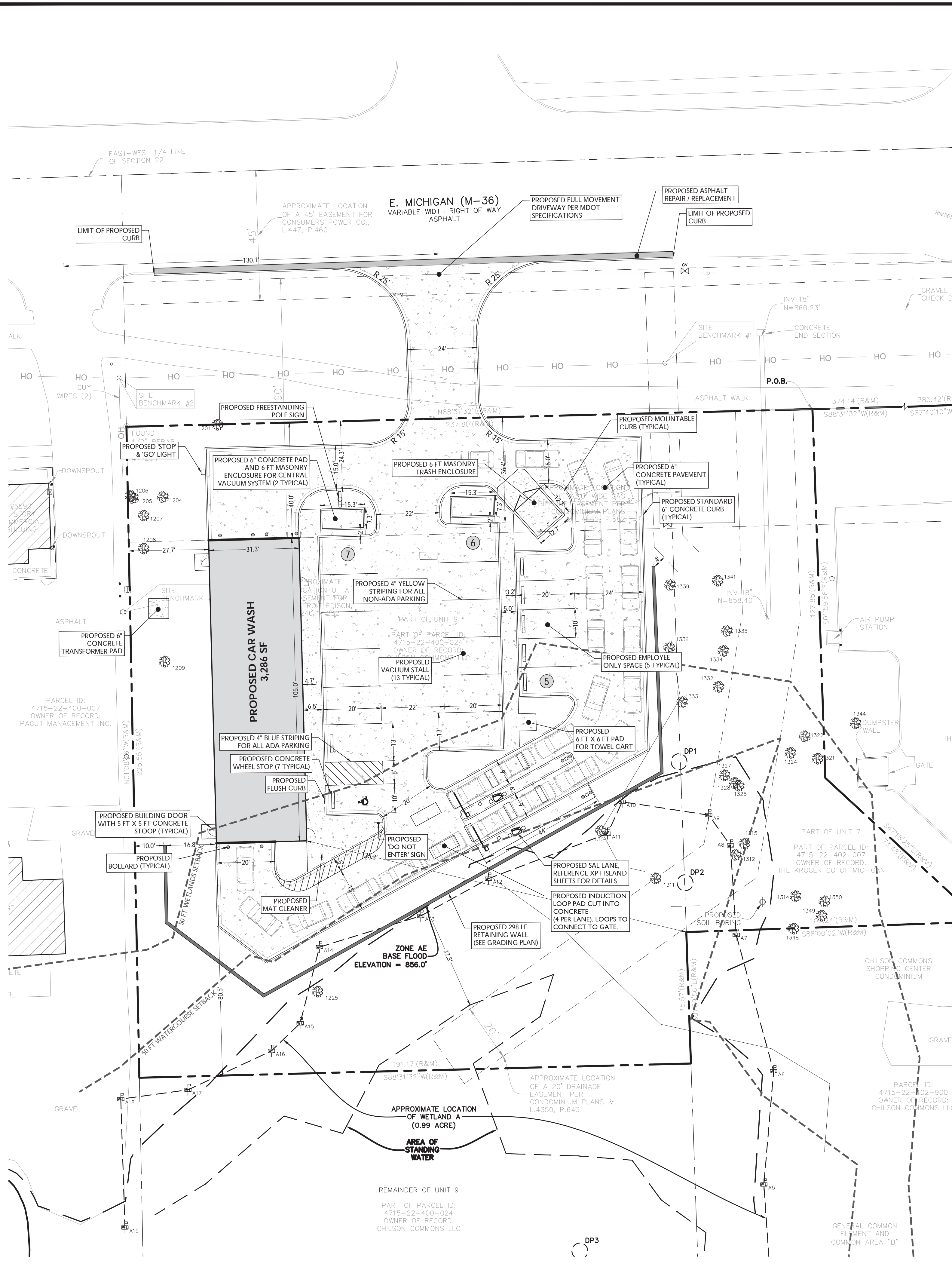
PROPOSED CAR WASH
PARCEL ID: 4715-22-400-024
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN



SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE:
DEMOLITION PLAN

DRAWING:
C-2



LAND USE AND ZONING			
PARCEL ID: 4715-22-400-024 (UNIT 9)			
WATERFRONT RESIDENTIAL (WFR) & HARDSHIP PLANNED UNIT DEVELOPMENT (HPUD)			
PROPOSED USE		SPECIAL LAND USE	
ZONING REQUIREMENT	REQUIRED (WFR)	REQUIRED (HPUD)	PROPOSED
MINIMUM LOT AREA	43,540 SF	N/A	53,075 SF
MINIMUM LOT WIDTH AT STREET	125 FT	N/A	237.8 FT
MINIMUM LOT COVERAGE (BUILDING)	35% (18,576 SF)	N/A	6.2% (3,286 SF)
MINIMUM LOT COVERAGE (PARKING)	40% (21,230 SF)	N/A	35% (18,607 SF)
MAXIMUM BUILDING HEIGHT	2.5 STORIES / 35 FT	N/A	1 STORY / 22 FT
MINIMUM FRONT YARD SETBACK	25 FT	N/A	40.0 FT
MINIMUM SIDE YARD SETBACK	10 FT	N/A	27.7 FT
MINIMUM REAR YARD SETBACK	30 FT	N/A	80.5 FT
MINIMUM PARKING SETBACK (M-36 ROW)	N/A	50 FT (1)	36.4 (W)
M-36 ACCESS	N/A	NO NEW CURB CUTS ON M-36, SHARE WITH CHILSON COMMONS	(W) (DENIED BY BOTH ADJACENT PROPERTIES, NO ALTERNATIVE, MDOT APPROVED ACCESS)
WETLANDS SETBACK	50 FT	50 FT	0.0 FT (W) ⁽²⁾
WATERCOURSE SETBACK	50 FT	50 FT	37.3 FT (W) ⁽²⁾

(1) OR MUST BE LOCATED SOUTH OF PROPOSED BUILDING
 (2) THE ZONING ADMINISTRATOR OR BODY UNDERTAKING PLAN REVIEW MAY REDUCE OR ELIMINATE THE FOLLOWING SETBACKS UPON REVIEW OF A REQUEST WHICH DETAILS THE FUTURE PROTECTION OF THE NATURAL FEATURE AND OR MITIGATION OF THE NATURAL FEATURE.
 (W) WAIVER / MODIFICATION TO BE REQUESTED AS PERMITTED BY THE HARDSHIP PLANNED UNIT DEVELOPMENT

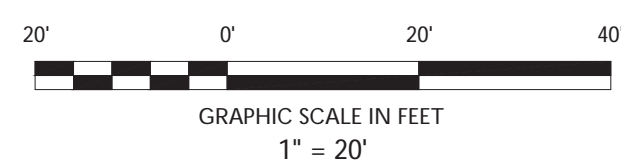
OFF-STREET PARKING REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§36-330.c	MINIMUM VEHICLE PARKING SPACE: 200 SF	200 SF
§36-334.23	GASOLINE FILLING AND SERVICE STATIONS: 1 SPACE PER SERVICE STALL 1 WASH LANE = 1 SPACE PLUS 1 SPACE PER EMPLOYEE 5 EMP. = 5 SPACES TOTAL: 1 + 5 = 6 SPACES	13 VACUUMS + 5 EMPLOYEE 18 TOTAL SPACES
§36-339.a.1.	DRIVEWAY SPACING (45 MPH): 300 FT	130.1 FT (W)

(W) WAIVER / MODIFICATION TO BE REQUESTED AS PERMITTED BY THE HARDSHIP PLANNED UNIT DEVELOPMENT

SIGNAGE REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 36.472.1.	ROW SETBACK: 10 FT	10 FT
§ 36.472.q.2.	POLE SIGN MAX HEIGHT: 15 FT	15 FT
§ 36.477.1.a.	POLE SIGN MAX AREA (COMMERCIAL): 25 SF	25 SF
§ 36.474.2.	PARKING LOT SIGNS MAX AREA: 1.5 SF	1.5 SF

SYMBOL	DESCRIPTION
---	PROPERTY LINE
- - - - -	SETBACK LINE
- . - . -	SAWCUT LINE
=====	PROPOSED CURB
=====	PROPOSED FLUSH CURB
=====	PROPOSED MOUNTABLE CURB
○ ○ ○	PROPOSED SIGNS / BOLLARDS
▭	PROPOSED BUILDING
▭	PROPOSED CONCRETE
▭	PROPOSED AREA LIGHT
▭	PROPOSED RETAINING WALL
▭	PROPOSED GUIDERAIL
▭	PROPOSED BUILDING DOORS

- GENERAL NOTES**
- THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THESE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
 - ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC, AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE.
 - THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC.
 - THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
 - THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC, WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET.
 - THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
 - THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
 - SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC, BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.



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1	05/30/2023	JP/EM	

NOT APPROVED FOR CONSTRUCTION

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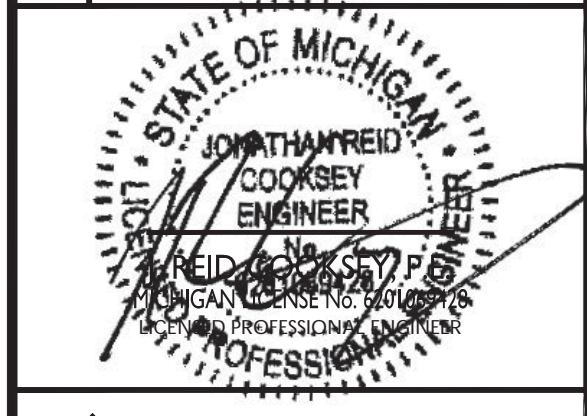
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EROP LLC

PROPOSED CAR WASH
PARCEL ID: 4715-22-400-024
VACANT E-M36
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

WHITEWATER EXPRESS
CAR WASH



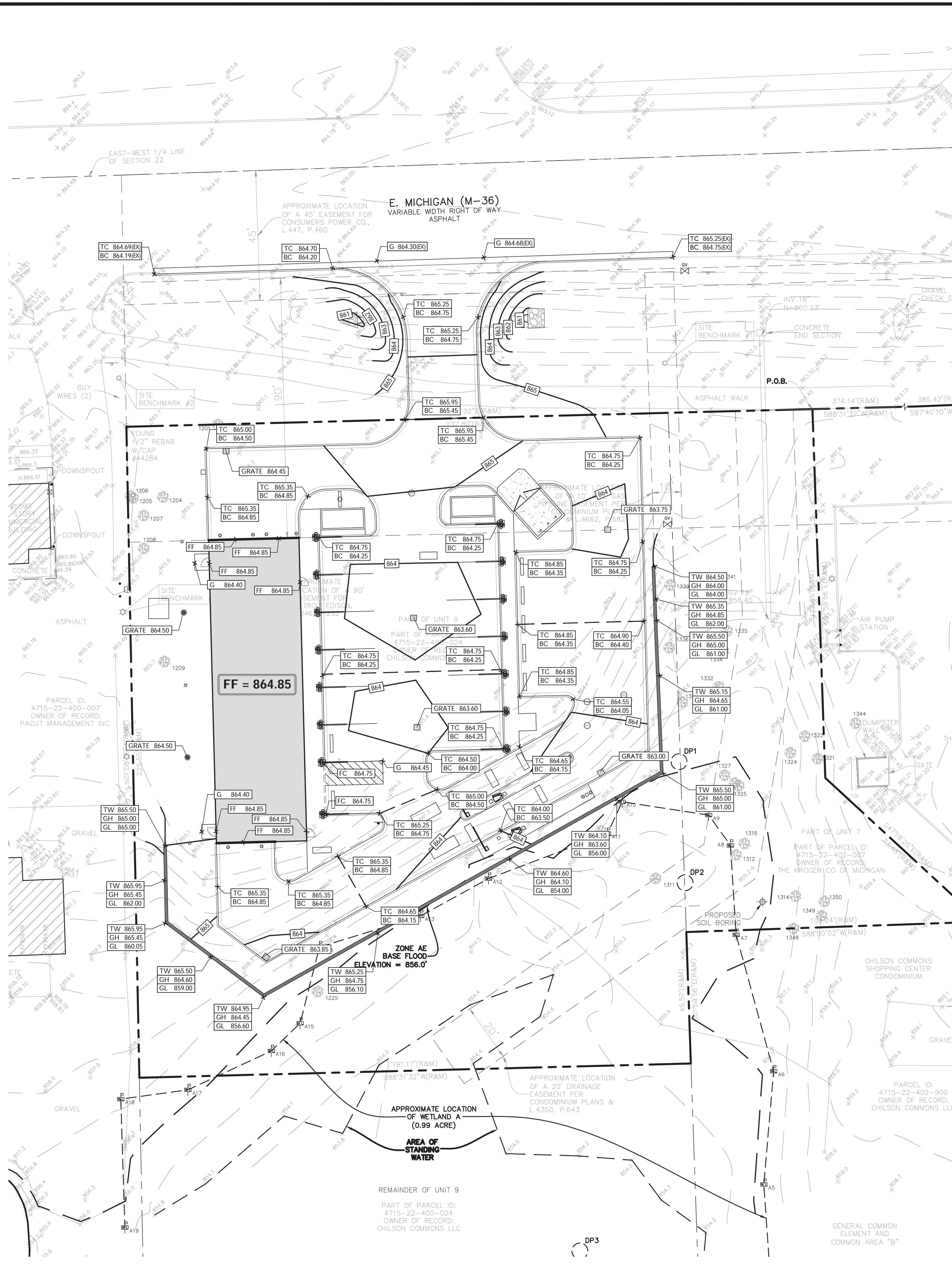
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SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE: **SITE PLAN**

DRAWING: **C-3**

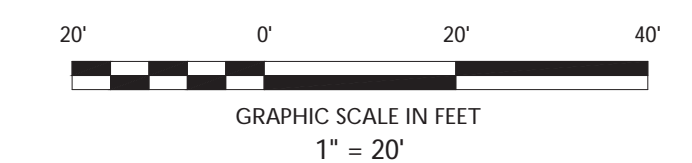
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SYMBOL	DESCRIPTION
---	PROPERTY LINE
100	PROPOSED GRADING CONTOUR
— RIDGELINE —	PROPOSED GRADING RIDGELINE
←	PROPOSED DIRECTION OF DRAINAGE FLOW
X G 100.00	PROPOSED GRADE SPOT SHOT
X TC 100.50 BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
X FC 100.00	PROPOSED FLUSH CURB SPOT SHOT
X TW 102.00 BW 100.00	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT SHOT

- GRADING NOTES**
- ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
 - THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
 - PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
 - THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
 - MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
 - CURB GUTTER: 0.50%
 - CONCRETE SURFACES: 1.00%
 - ASPHALT SURFACES: 1.00%
 - A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IF THIS CONDITION CANNOT BE MET.
 - FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

- ADA NOTES**
- THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
 - THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
 - THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 - THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP. AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL, THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 - THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARE SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURB RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
 - ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
 - A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
 - THE CONTRACTOR SHALL ENSURE A MAXIMUM OF 1/4 INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN 1/4 INCHES AND 1/2 INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP 1/4 INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
 - THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN 1/4 INCH.



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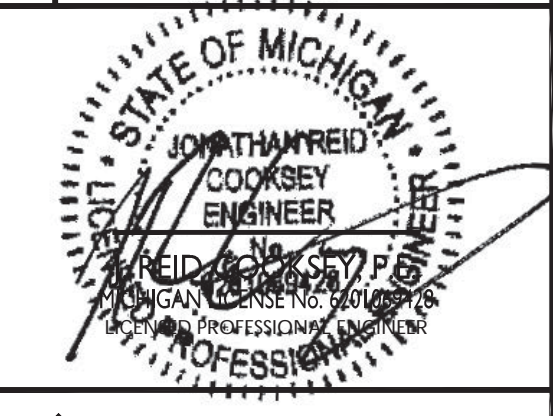
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EROP LLC

PROPOSED CAR WASH

PARCEL ID: 4715-22-400-024
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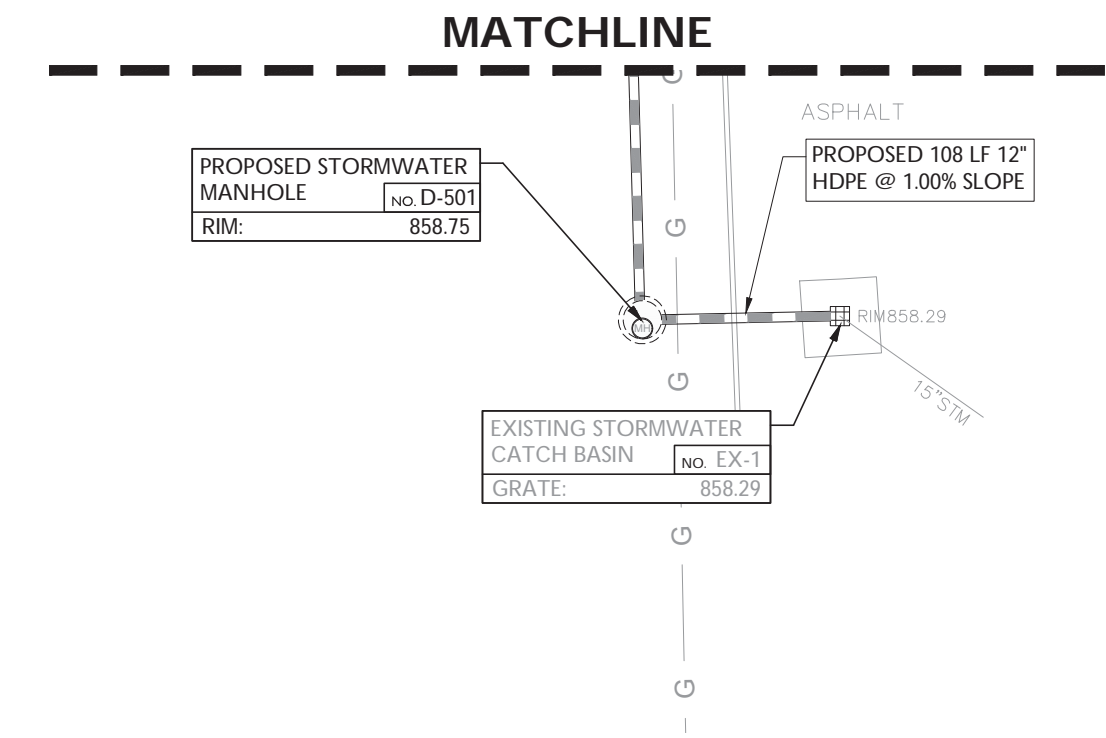
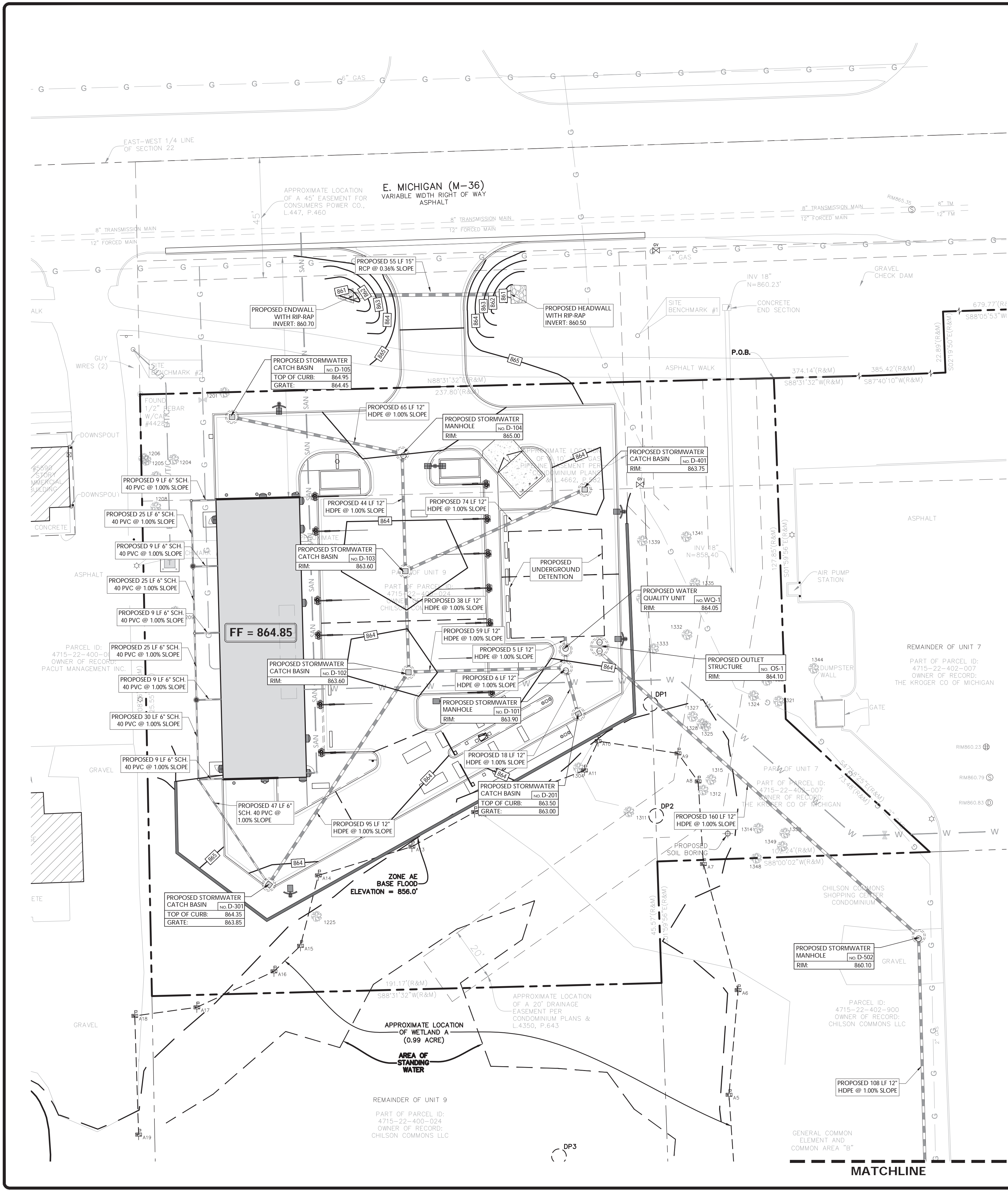
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SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE:
GRADING PLAN

DRAWING:
C-4

NOT TO SCALE. SEE ALL NOTES AND SPECIFICATIONS. THIS DRAWING IS THE PROPERTY OF STONEFIELD ENGINEERING & DESIGN, LLC. ALL RIGHTS RESERVED.



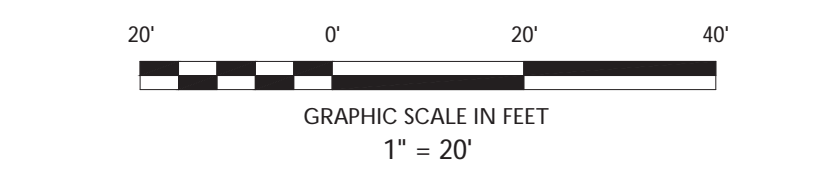
SYMBOL	DESCRIPTION
	PROPERTY LINE
	PROPOSED GRADING CONTOUR
	PROPOSED GRADING RIDGELINE
	PROPOSED STORMWATER STRUCTURES
	PROPOSED STORMWATER PIPING
	PROPOSED UNDERGROUND OUTLET STRUCTURE

- DRAINAGE AND UTILITY NOTES**
- THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR STORMWATER IMPROVEMENTS SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING.
 - CONTRACTOR SHALL START CONSTRUCTION OF STORM LINES AT THE LOWEST INVERT AND WORK UP-GRADE.
 - THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IMMEDIATELY IN WRITING.
 - THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

- EXCAVATION, SOIL PREPARATION, AND DEWATERING NOTES**
- THE CONTRACTOR IS REQUIRED TO REVIEW THE REFERENCED GEOTECHNICAL DOCUMENTS PRIOR TO CONSTRUCTION. THESE DOCUMENTS SHALL BE CONSIDERED A PART OF THE PLAN SET.
 - THE CONTRACTOR IS REQUIRED TO PREPARE SUBGRADE SOILS BENEATH ALL PROPOSED IMPROVEMENTS AND BACKFILL ALL EXCAVATIONS IN ACCORDANCE WITH RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER OF RECORD.
 - THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHORING FOR ALL EXCAVATIONS AS REQUIRED. CONTRACTOR SHALL HAVE THE SHORING DESIGN PREPARED BY A QUALIFIED PROFESSIONAL SHORING DESIGNER. SUCH DESIGN SHALL BE SUBMITTED TO STONEFIELD ENGINEERING & DESIGN, LLC AND THE OWNER PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL OPEN EXCAVATIONS ARE PERFORMED AND PROTECTED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING DESIGN AND OPERATIONS, AS REQUIRED. TO CONSTRUCT THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS AND GROUNDWATER DISPOSAL.

- STORMWATER INFILTRATION BMP CONSTRUCTION NOTES**
- PRIOR TO THE START OF CONSTRUCTION, ANY AREA DESIGNATED TO BE USED FOR AN INFILTRATION BMP (E.G. BASIN, BIORETENTION AREA, ETC.) SHALL BE FENCED OFF AND SHALL NOT BE UTILIZED AS STORAGE FOR CONSTRUCTION EQUIPMENT OR AS A STOCKPILE AREA FOR CONSTRUCTION MATERIALS. NO ACTIVITY SHALL BE PERMITTED WITHIN THE INFILTRATION BASIN AREA UNLESS RELATED TO THE CONSTRUCTION OF THE INFILTRATION BASIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL SUBCONTRACTORS OF BASIN AREA RESTRICTIONS.
 - THE CONTRACTOR SHALL MAKE EVERY EFFORT, WHERE PRACTICAL, TO AVOID SUBGRADE SOIL COMPACTION IN THE AREAS DESIGNATED TO BE USED FOR AN INFILTRATION BMP.
 - ALL EXCAVATION WITHIN THE LIMITS OF ANY INFILTRATION BMP SHALL BE PERFORMED WITH THE LIGHTEST PRACTICAL EXCAVATION EQUIPMENT. ALL EXCAVATION EQUIPMENT SHALL BE PLACED OUTSIDE THE LIMITS OF THE BASIN WHERE FEASIBLE. THE USE OF LIGHT-WEIGHT, RUBBER-TIRED EQUIPMENT (LESS THAN 8 PSI APPLIED TO THE GROUND SURFACE) IS RECOMMENDED WITHIN THE BASIN LIMITS.
 - THE SEQUENCE OF SITE CONSTRUCTION SHALL BE COORDINATED WITH BASIN CONSTRUCTION TO ADHERE TO SEQUENCING LIMITATIONS.
 - DURING THE FINAL GRADING OF AN INFILTRATION BASIN, THE BOTTOM OF THE BASIN SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW AND THEN SMOOTHED OUT WITH A LEVELING DRAW OR EQUIVALENT GRADING EQUIPMENT. ALL GRADING EQUIPMENT SHALL BE LOCATED OUTSIDE OF THE BASIN BOTTOM WHERE FEASIBLE.
 - FOLLOWING CONSTRUCTION OF AN INFILTRATION BASIN, SOIL INFILTRATION TESTING BY A LICENSED GEOTECHNICAL ENGINEER IS REQUIRED TO CERTIFY COMPLIANCE WITH THE DESIGN INFILTRATION RATES IN ACCORDANCE WITH APPENDIX E OF THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION'S BEST MANAGEMENT PRACTICES MANUAL, LATEST EDITION. IF THE FIELD INFILTRATION RATES ARE LOWER THAN THE RATE USED DURING DESIGN, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING IMMEDIATELY TO DETERMINE THE APPROPRIATE COURSE OF ACTION.
 - THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY TO DETERMINE IF WITNESS TESTING IS REQUIRED DURING INFILTRATION BASIN EXCAVATION AND/OR SOIL INFILTRATION TESTING.

- STORMWATER UNDERGROUND BMP CONSTRUCTION NOTES**
- THE CONTRACTOR SHALL INSTALL AND BACKFILL THE UNDERGROUND BMP IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 - UNDERGROUND BASINS SHALL UTILIZE A STONE BACKFILL WITH A MINIMUM VOID RATIO OF 40%.
 - NO CONSTRUCTION LOADING OVER UNDERGROUND BASINS IS PERMITTED UNTIL BACKFILL IS COMPLETE PER THE MANUFACTURER'S SPECIFICATIONS. NO VEHICLES SHALL BE STAGED OR OPERATE FROM A FIXED POSITION OVER THE BASIN.



REVISION	DATE	ISSUE	DESCRIPTION
EM	09/26/2023	1	REVISED WATER AND STORM CONNECTIONS FOR PRE-APPLICATION CONFERENCE
JCI/EM	07/05/2023	2	FOR CLIENT REVIEW
JPI/EM	05/02/2023	1	

NOT APPROVED FOR CONSTRUCTION

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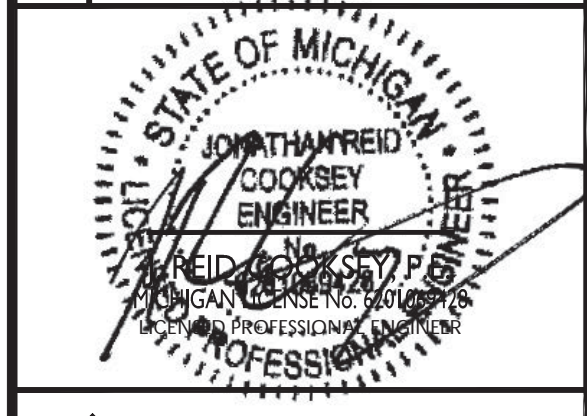
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EROP LLC

PROPOSED CAR WASH
PARCEL ID: 4715-22-400-024
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN



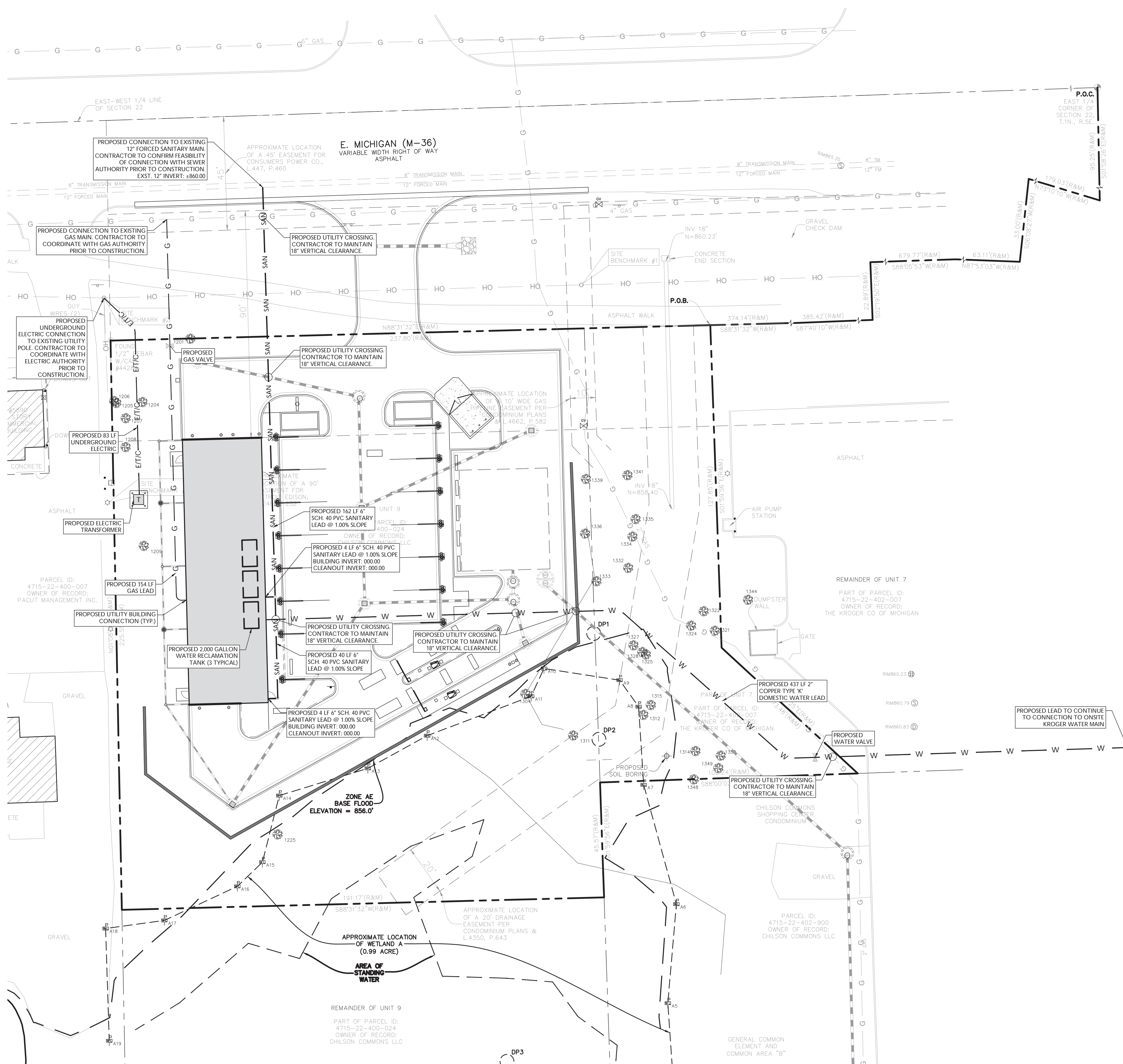
STONEFIELD
engineering & design

SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE:
STORMWATER MANAGEMENT PLAN

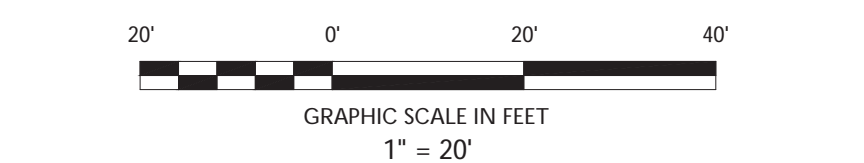
DRAWING:
C-5

NOT TO SCALE. SEE ALL NOTES AND SPECIFICATIONS. CONSULT THE PROJECT MANUAL FOR THE LATEST REVISIONS. DATE: 09/26/2023. TIME: 10:00 AM. PROJECT: 4715-22-400-024. DRAWING: C-5. DESIGNER: JONATHAN R. COOKSEY. CHECKER: JONATHAN R. COOKSEY. APPROVED: JONATHAN R. COOKSEY. SCALE: 1" = 20'. PLOT DATE: 09/26/2023. PLOT TIME: 10:00 AM. PLOT USER: JONATHAN R. COOKSEY.



SYMBOL	DESCRIPTION
---	PROPERTY LINE
SAN	PROPOSED SANITARY LATERAL
W	PROPOSED DOMESTIC WATER SERVICE
ET/IC	PROPOSED ELECTRICAL/DATA CONDUITS
G	PROPOSED GAS LINE
⊗	PROPOSED VALVE
⊕	PROPOSED WATER TEE / BEND
⊙	PROPOSED SANITARY MANHOLE / CLEANOUT
⊠	PROPOSED TRANSFORMER ON CONCRETE PAD WITH BOLLARDS

- DRAINAGE AND UTILITY NOTES**
1. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IMMEDIATELY IN WRITING.
 2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
 3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF THE PROPOSED WORK DURING CONSTRUCTION.
 4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASUREMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
 5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASUREMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
 6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING.
 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
 8. CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY SEWER AT THE LOWEST INVERT AND WORK UP-GRADE.
 9. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
 10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.



REVISION	DATE	BY	DESCRIPTION
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1	05/01/2023	JPI/EM	FOR CLIENT REVIEW

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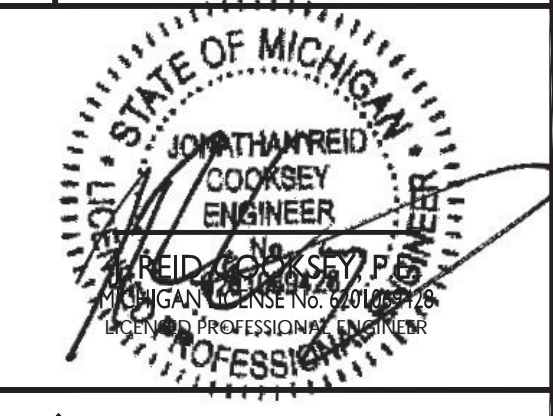
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EROP LLC

PROPOSED CAR WASH

PARCEL ID: 4715-22-400-024
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN



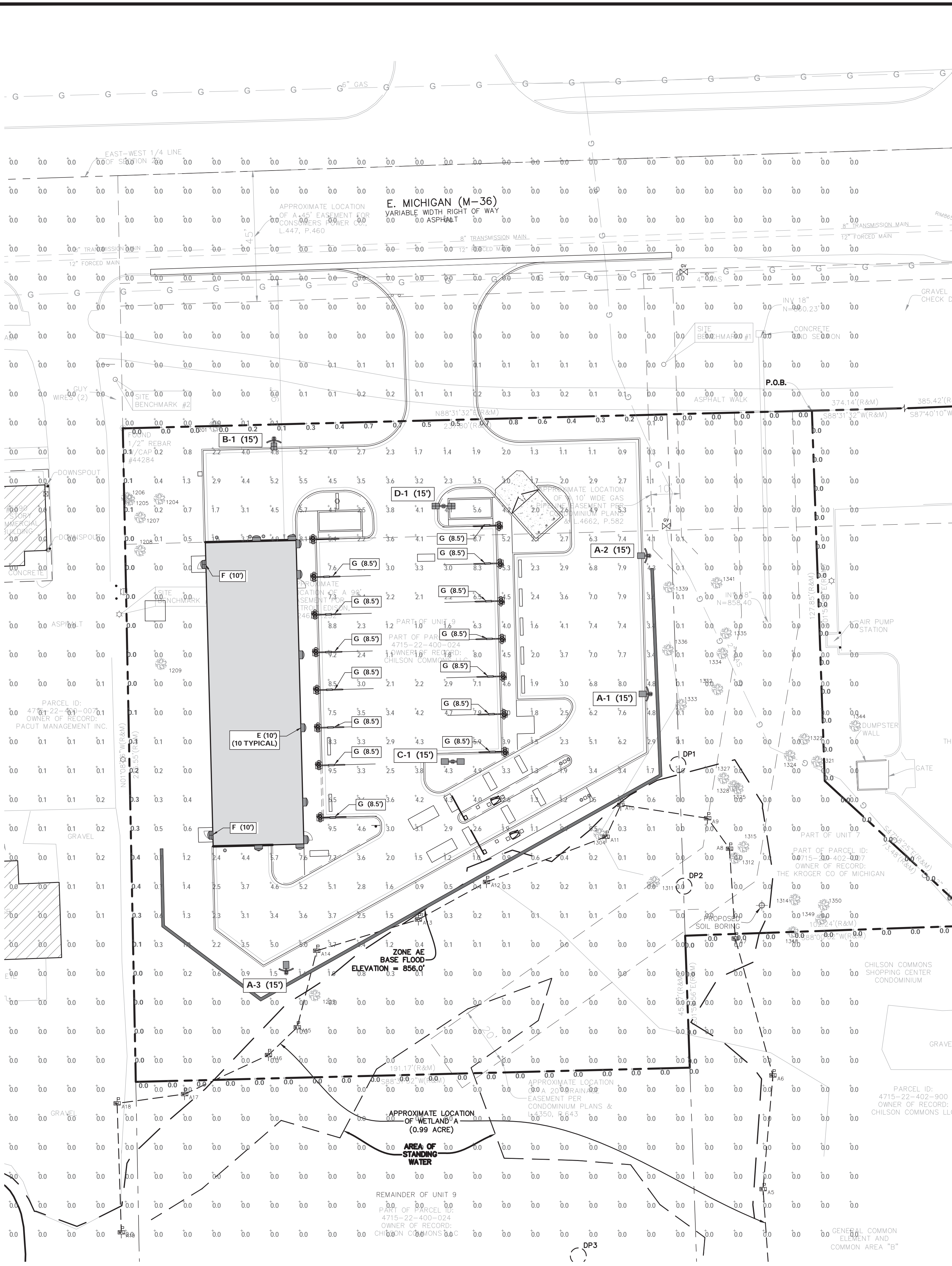
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SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE: **UTILITY PLAN**

DRAWING: **C-6**

NOT TO SCALE. DIMENSIONS SHOWN ARE APPROXIMATE. CONSULT THE RECORD SET FOR ALL DIMENSIONS AND NOTES.



PROPOSED LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QUANTITY	LIGHTING	DISTRIBUTION	LLF	MANUFACTURER / IES FILE
A	(XX)	3	MIRADA MEDIUM LED AREA LIGHT 18L LUMEN PACKAGE W/ HOUSE-SIDE SHIELD - SINGLE	FT	0.90	LSI INDUSTRIES MRM-LED-18L-SIL-FT-30-70CRI-I
B	(XX)	1	MIRADA MEDIUM LED AREA LIGHT 9L LUMEN PACKAGE W/ HOUSE-SIDE SHIELD - SINGLE	FT	0.90	LSI INDUSTRIES MRM-LED-9L-SIL-FT-30-70CRI-I
C	(XX)	1	MIRADA MEDIUM LED AREA LIGHT 18L LUMEN PACKAGE W/ HOUSE-SIDE SHIELD - DOUBLE @ 180°	FT	0.90	LSI INDUSTRIES MRM-LED-18L-SIL-FT-30-70CRI-I
D	(XX)	1	MIRADA MEDIUM LED AREA LIGHT 9L LUMEN PACKAGE W/ HOUSE-SIDE SHIELD - DOUBLE @ 180°	FT	0.90	LSI INDUSTRIES MRM-LED-9L-SIL-FT-30-70CRI-I
E	(XX)	10	MIRADA SMALL OUTDOOR LED WALL SCONCE 2L LUMEN PACKAGE	FT	0.90	LSI INDUSTRIES XWS-LED-02L-SIL-2-30-70CRI
F	(XX)	2	MIRADA MEDIUM OUTDOOR LED WALL SCONCE 8L LUMEN PACKAGE	FT	0.90	LSI INDUSTRIES XWM-FT-LED-08L-30
G	(XX)	14	VACUUM MOUNTED - LOW-PROFILE DRIVERLESS LINKABLE LED LINEAR LUMINAIRE - 2 FT	N/A	0.90	LSI INDUSTRIES GPX2-SO

SYMBOL	DESCRIPTION
---	PROPERTY LINE
A (XX)	PROPOSED LIGHTING FIXTURE (MOUNTING HEIGHT)
+ XX	PROPOSED LIGHTING INTENSITY (FOOT CANDLES)
(XX)	PROPOSED AREA LIGHT
(XX)	PROPOSED BUILDING MOUNTED LIGHT
(XX)	PROPOSED VACUUM MOUNTED LIGHT

* SECURITY LIGHTING NOT INCLUDED WITHIN LIGHTING CALCULATIONS

LIGHTING STATISTICS			
DESCRIPTION	AVERAGE	MINIMUM	MAXIMUM
OVERALL PARCEL	1.44 FC	0.0 FC	9.5 FC
PROPERTY LINE (RESIDENTIAL ZONE)	0.03 FC	0.0 FC	0.4 FC
PROPERTY LINE (ROW)	0.27 FC	0.0 FC	0.8 FC

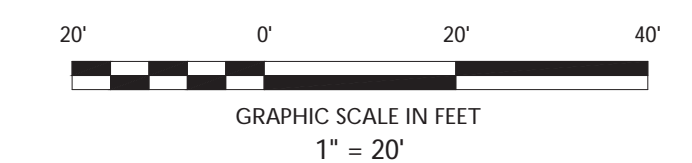
LIGHTING REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 36-295(d)(1)	EXTERIOR LIGHTING SHALL BE FULLY SHIELDED AND DIRECTED DOWNWARD	COMPLIES
§ 36-295(d)(3)	MAXIMUM POLE HEIGHT: 15 FT	15 FT
§ 36-295(d)(5)	MAXIMUM INTENSITY: 10 FC MAXIMUM SPILLOVER (NON-RESIDENTIAL ZONE): 1.0 FC MAXIMUM SPILLOVER (RESIDENTIAL ZONE): 0.5 FC	9.5 FC 0.8 FC 0.4 FC

SECURITY CAMERAS TO BE MOUNTED ON EACH POLE 10 FT ABOVE GRADE		
POLE LABEL	NUMBER OF CAMERAS	DIRECTION OF CAMERAS
A-1		
A-2		
A-3		
B-1		
C-1		
D-1		

EXCEPT WHERE USED FOR SECURITY PURPOSES, ALL OUTDOOR LIGHTING FIXTURES, EXISTING OR HEREAFTER INSTALLED AND MAINTAINED SHALL BE TURNED OFF BETWEEN 11:00 P.M. AND SUNRISE, EXCEPT WHEN USED FOR COMMERCIAL AND INDUSTRIAL USES, SUCH AS IN SALES, ASSEMBLY AND REPAIR AREAS, WHERE SUCH USE IS OPEN FOR BUSINESS AFTER 11:00 P.M. BUT ONLY FOR SO LONG AS SUCH USE OPEN FOR BUSINESS. BUSINESSES WITH LIGHT FIXTURES USED FOR SECURITY PURPOSES ARE ENCOURAGED TO USE A MOTION DETECTION DEVICE WHICH IS DIRECTED TO DETECT MOTION WITHIN THE PROPERTY.

GENERAL LIGHTING NOTES

- THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH AS WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS.
- WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
- UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
 - LIGHT EMITTING DIODES (LED): 0.90
 - HIGH PRESSURE SODIUM: 0.72
 - METAL HALIDE: 0.72
- THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.



REVISED WATER AND STORM CONNECTIONS FOR PRE-APPLICATION CONFERENCE
FOR CLIENT REVIEW

EM	JCIEM	JPIEM	BY	DATE	ISSUE	DESCRIPTION
3	09/26/2023	07/05/2023	2	05/30/2023	1	

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EROP LLC

PROPOSED CAR WASH
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VACANT E-M336
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

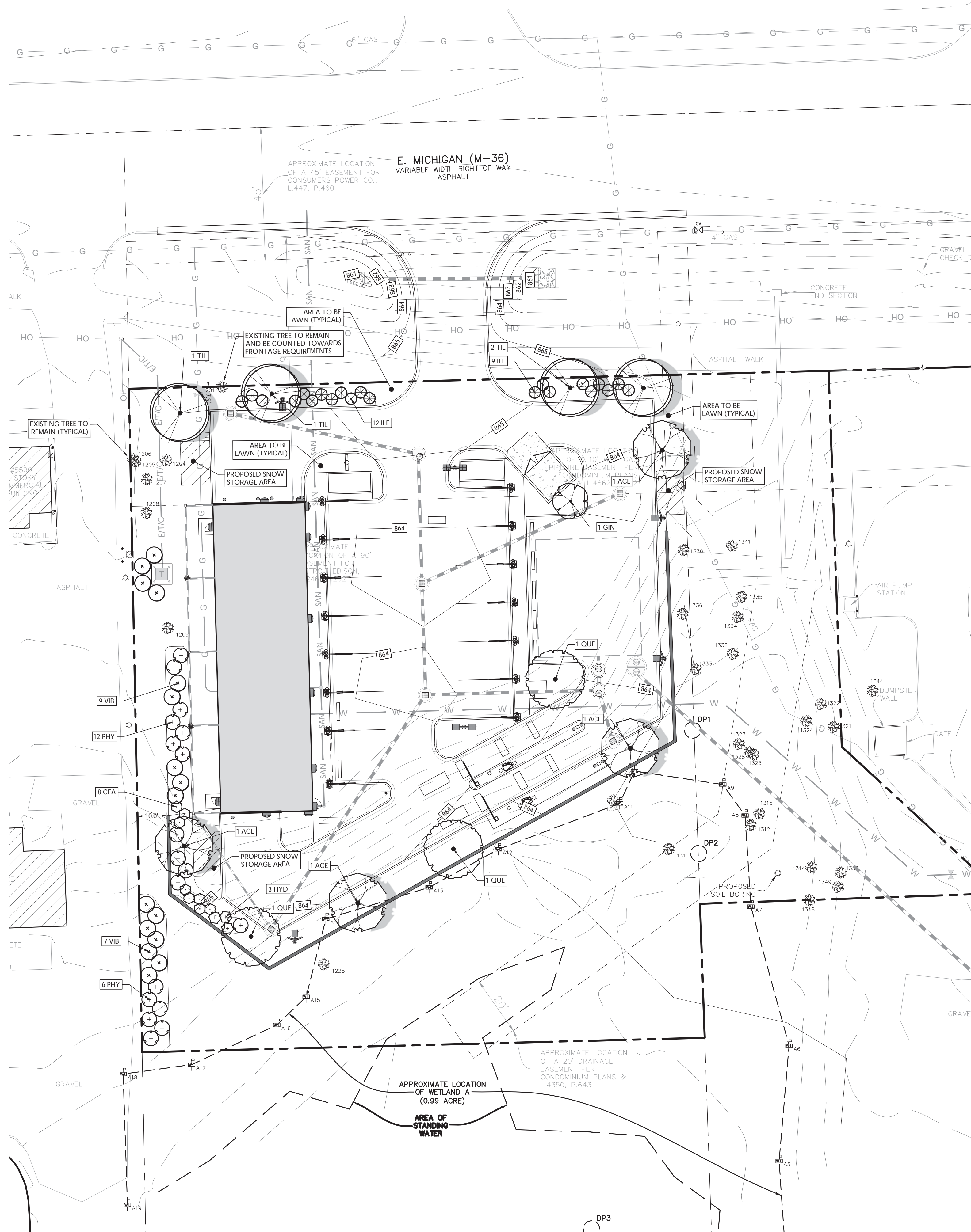
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SCALE: 1" = 20' PROJECT ID: DET-220416

TITLE: LIGHTING PLAN

DRAWING: C-7

NOT TO SCALE. SEE PLAN FOR DIMENSIONS. COMMONS CIRCLE, HAMBURG TOWNSHIP, MICHIGAN. TOP VIEW. LIGHTING PLAN.



PLANT SCHEDULE						
DECIDUOUS TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	ACE	4	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2" - 2.5" CAL	B&B
	GIN	1	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	2" - 2.5" CAL	B&B
	QUE	3	QUERCUS PHELLOS	WILLOW OAK	2" - 2.5" CAL	B&B
	TIL	4	TILIA CORDATA	LITTLELEAF LINDEN	2.5" - 3" CAL	B&B
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	CEA	8	CEANOTHUS AMERICANUS	NEW JERSEY TEA	24" - 30"	POT
	HYD	3	HYDRANGEA MACROPHYLLA 'BLOOMSTRUCK'	BLOOMSTRUCK HYDRANGEA	3 GAL.	POT
	PHY	18	PHYSOCARPUS OPULIFOLIUS	NINEBARK	24" - 30"	POT
	VIB	16	VIBURNUM DENTATUM	VIBURNUM	24" - 30"	POT
EVERGREEN SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	ILE	21	ILEX CRENATA 'COMPACTA'	DWARF JAPANESE HOLLY	24" - 30"	B&B

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE LANDSCAPE PLAN AND WITHIN THE PLANT LIST, THE PLAN SHALL DICTATE.

LANDSCAPING AND BUFFER REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 36-281(b)(1)	GREENBELT REQUIREMENTS 20 FT WIDE GREENBELT ALONG RIGHT-OF-WAY 1 CANOPY TREE AND 4 SHRUBS PER 40 LF OF FRONTAGE EAST MICHIGAN: 209 LF TREE: (209 LF) / (40 LF) = 5 REQUIRED TREES SHRUBS: (209 LF) / (40 LF) = 5.25 * (4) = 21 SHRUBS	7.9 FT (W) 5 TREES ⁽¹⁾ 21 SHRUBS
§ 36-281(e)(1)	BUFFER ZONES COMMERCIAL BUFFER C REQUIRED BUFFER WIDTH: 10 FEET 1 CANOPY OR EVERGREEN TREE OR 4 SHRUBS PER 20 LF OF FRONTAGE WEST PROPERTY BOUNDARY: 225 LF SHRUBS: (225 LF) / (20 LF) = 11.25 * (4) = 45 SHRUBS	10.0 FT 45 SHRUBS
§ 36-283(a)(1)	PARKING LOT LANDSCAPING 1 CANOPY TREE PER 2,000 SF OF ASPHALT (15,641 SF)/(2,000 SF) = 8 REQUIRED TREES 150 SF OF LANDSCAPE AREA PER TREE ⁽¹⁾	8 TREES COMPLIES
§ 36-283(a)(2)	LANDSCAPE STANDARDS NO MORE THAN 33% OF ANY ONE SPECIES SHALL BE PERMITTED	COMPLIES
§ 36-284(3)		

(W) WAIVER
(1) (OPEN LAND PER TREE CAN BE REDUCED TO 75 SF PER TREE IF IRRIGATION IS PROVIDED)
(2) (5 PROPOSED STREET TREES: 4 PROPOSED & 1 EXISTING TREE TO REMAIN)

PER THE DEVELOPER AGREEMENT RECORDED ON 04/14/2021 (2021R-017179) THE FOLLOWING LANDSCAPE PROVISIONS SHALL BE IN EFFECT FOR PARCEL 9:

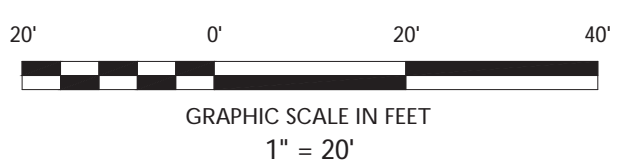
- ALL LANDSCAPING SHALL BE IN COMPLIANCE WITH ALL APPLICABLE ZONING ORDINANCE REQUIREMENTS AS WELL AS THE HPUD PLAN AND AGREEMENT.
- FUTURE DEVELOPMENT SHALL MEET THE LANDSCAPE STANDARDS IN THE ZONING ORDINANCE INCLUDING THE REGULATIONS UNDER SECTION 7.75 & SECTION 9.4.
- EXISTING VEGETATION ON UNITS 9 AND 11 SHALL NOT BE ALTERED UNTIL SITE PLAN APPROVAL IS GRANTED.



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IRRIGATION NOTE:
IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA PRIOR TO CONSTRUCTION. DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON-SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

- LANDSCAPING NOTES**
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS WITH SOIL.
 - THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SOIL.
 - THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM 3 INCH LAYER OF MULCH.
 - THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO 1 FOOT VERTICAL (3:1 SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 - THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
 - THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING AREAS.
 - PAINTED STEEL METAL EDGING TO BE PROVIDED AROUND ALL MULCH BEDS.
 - ALL MULCH AREAS MUST BE TREATED WITH PRE-EMERGENT HERBICIDE AND THEN OVERLAIN WITH LANDSCAPE WEED BARRIER MATERIAL.



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1	05/02/2023	JPEM	FOR CLIENT REVIEW

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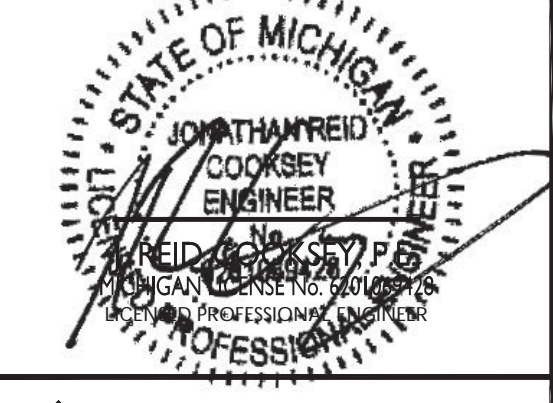
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EROP LLC

PROPOSED CAR WASH
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HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

WHITEWATER EXPRESS CAR WASH



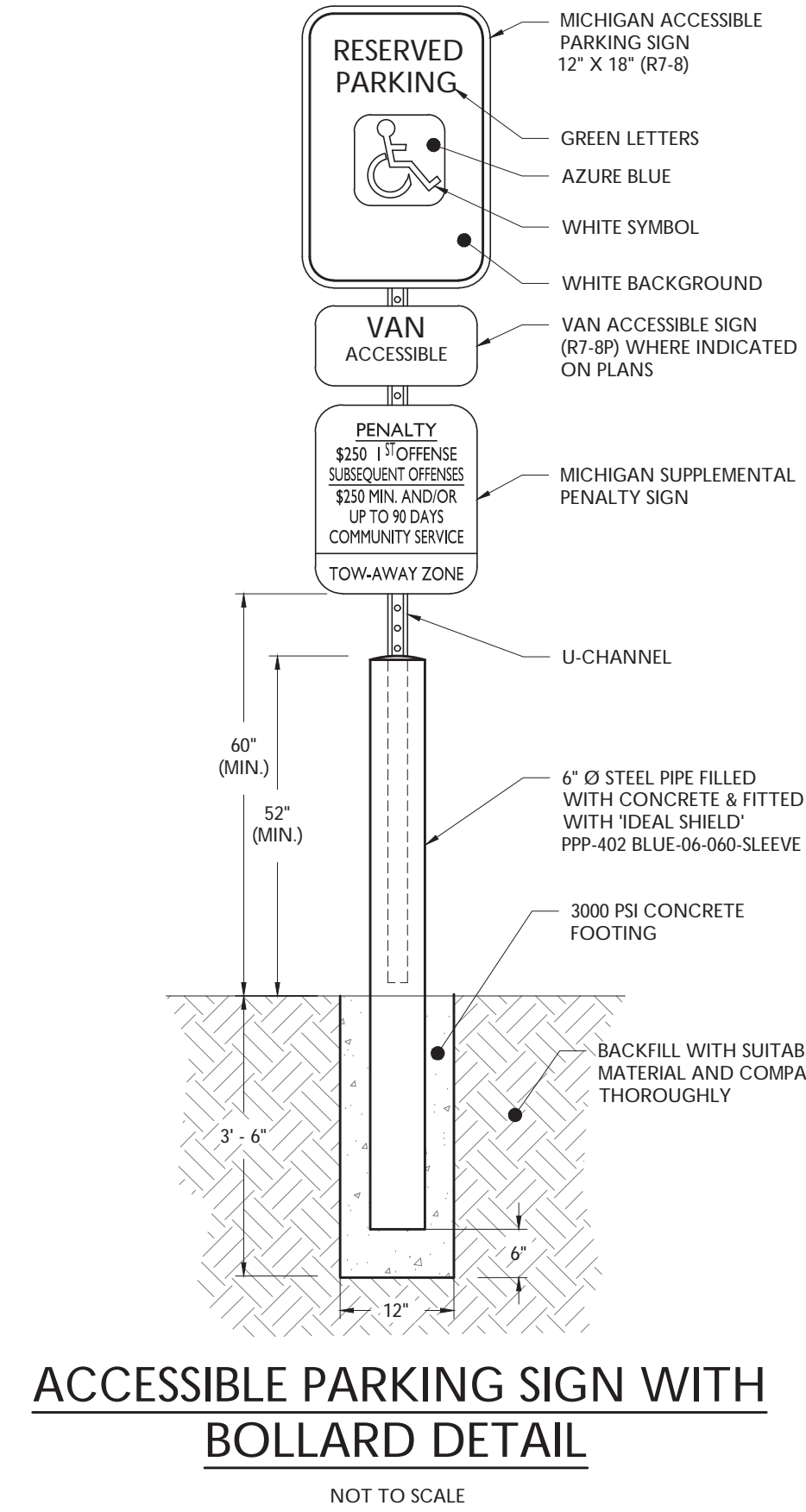
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SCALE: 1" = 20' PROJECT ID: DET-220416

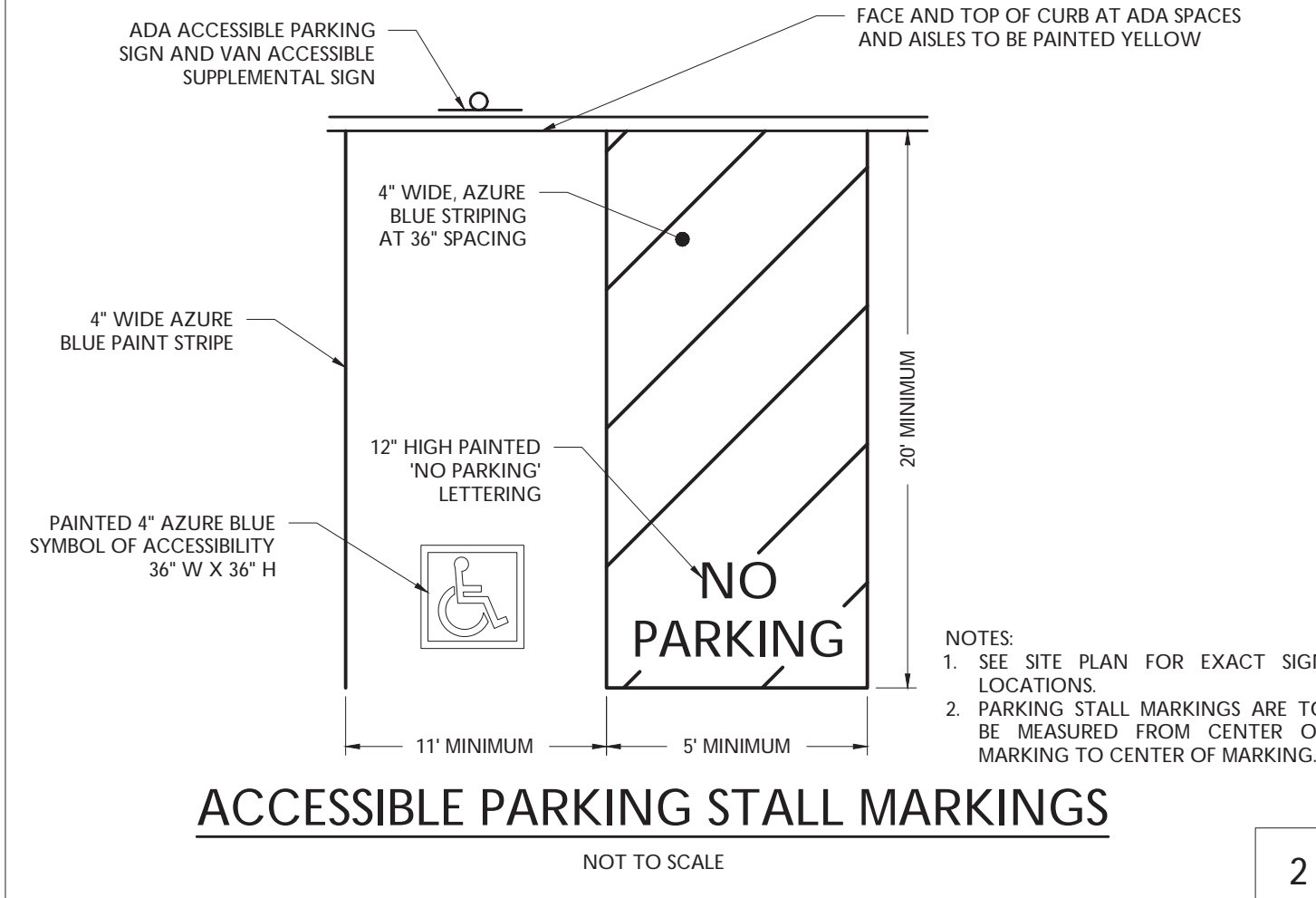
TITLE:
LANDSCAPING PLAN

DRAWING:
C-8

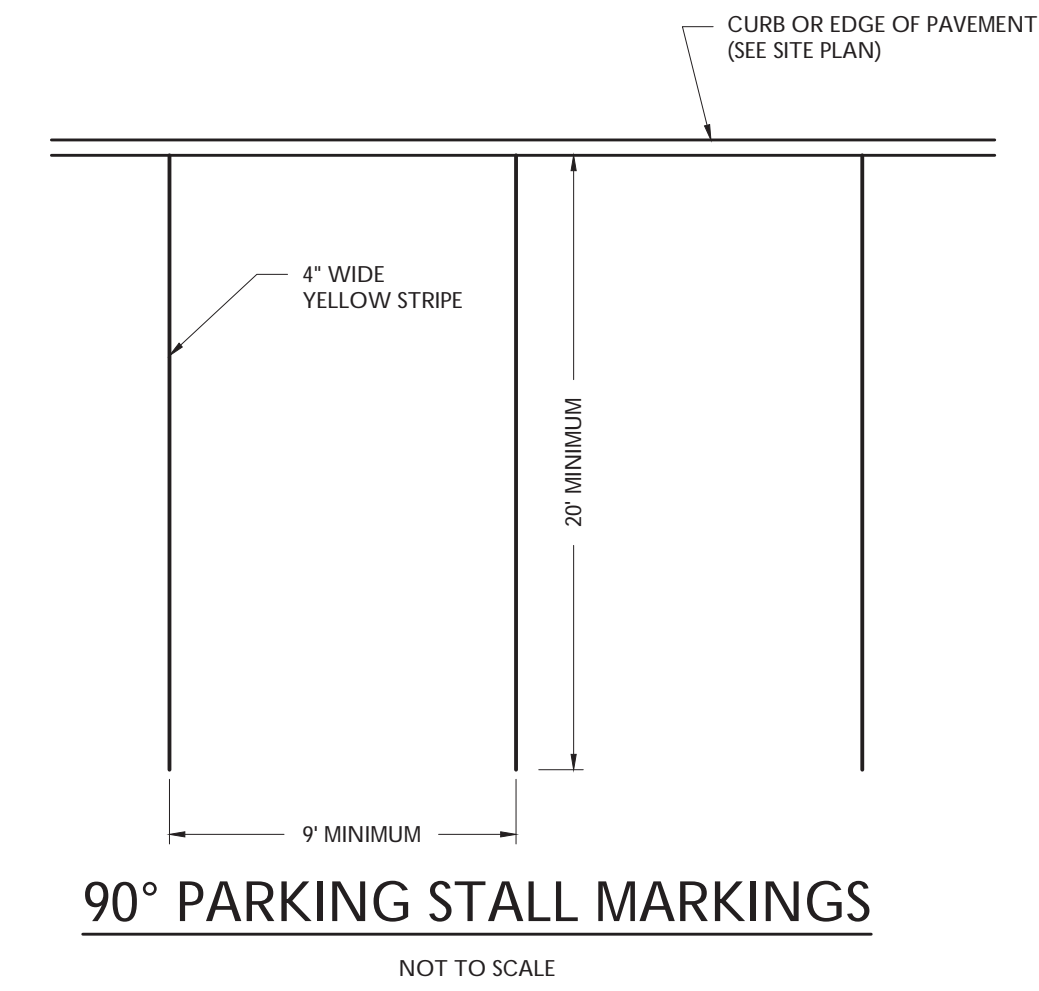
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ACCESSIBLE PARKING SIGN WITH BOLLARD DETAIL
NOT TO SCALE

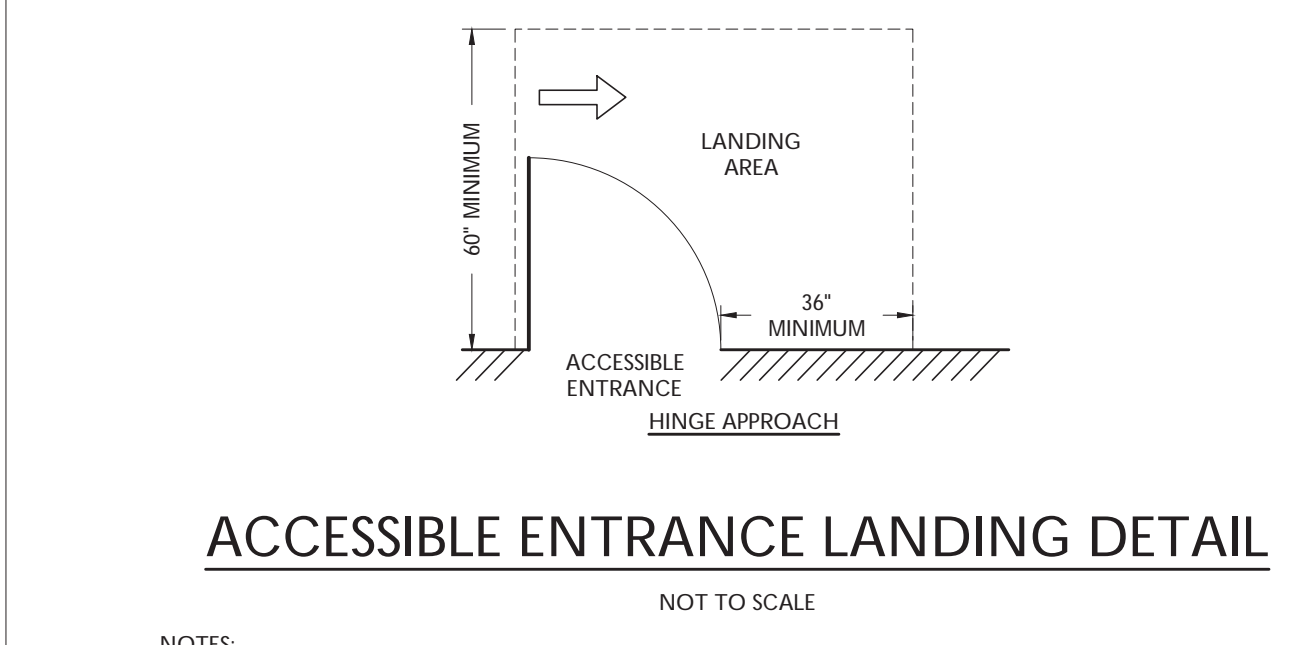


ACCESSIBLE PARKING STALL MARKINGS
NOT TO SCALE

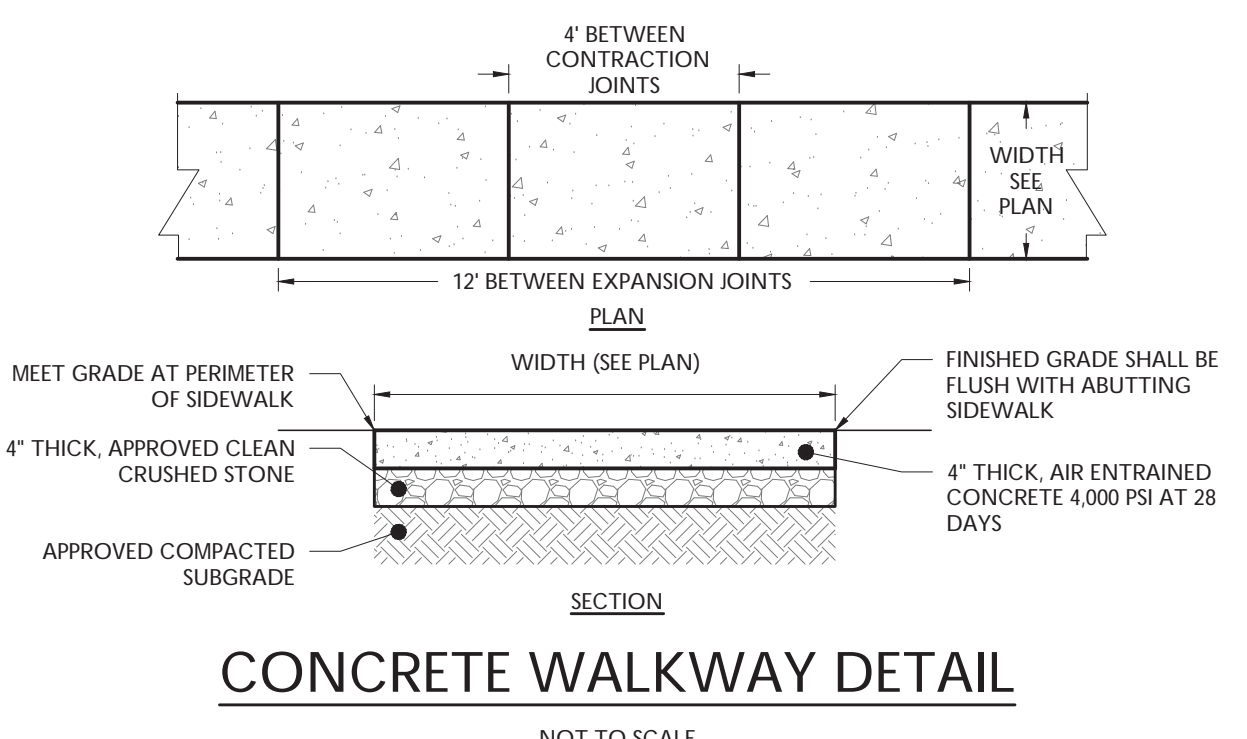


90° PARKING STALL MARKINGS
NOT TO SCALE

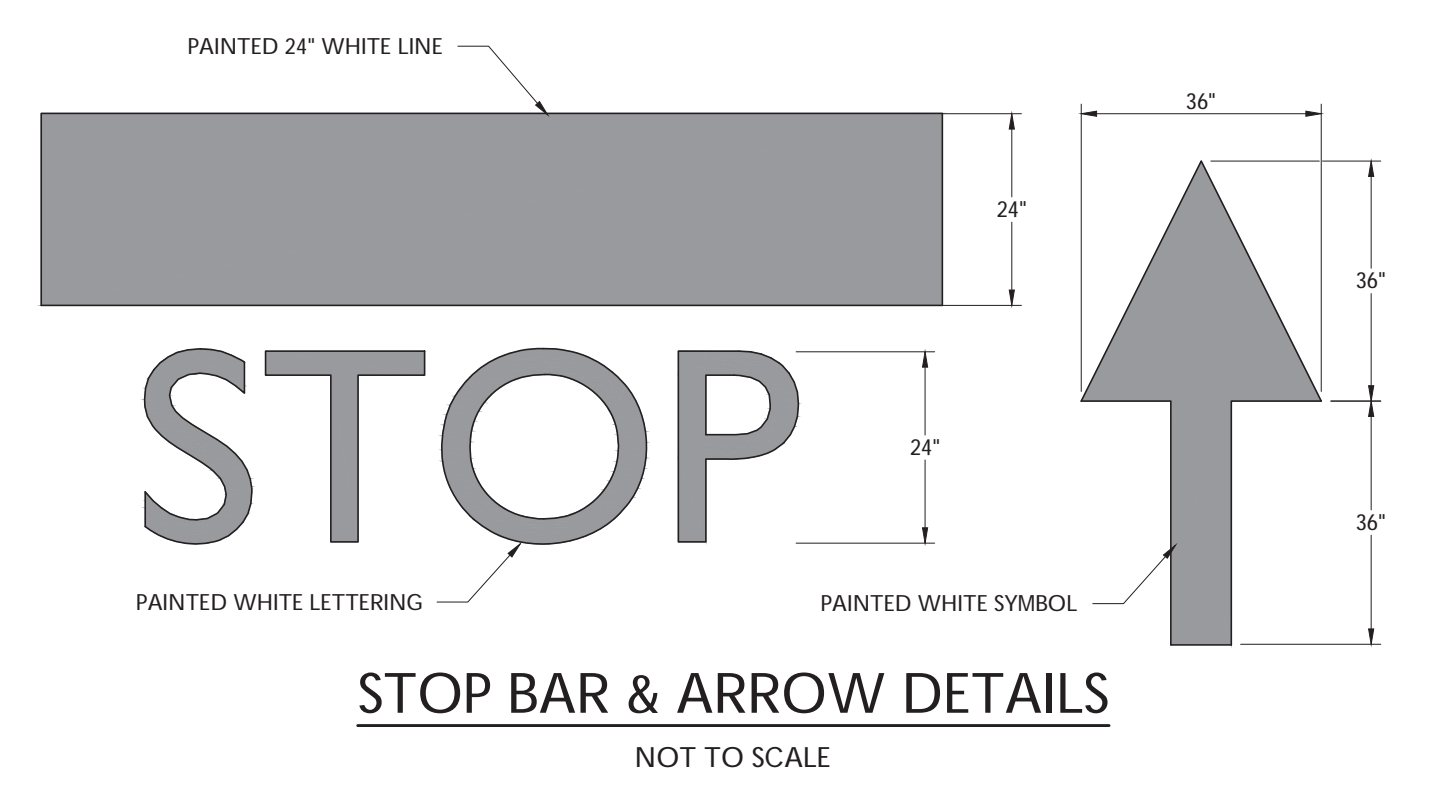
- PAVEMENT STRIPING & MARKINGS NOTES:**
1. ALL SIGNING AND STRIPING IN EXISTING CONDITION IN CONFLICT WITH THE PROPOSED DESIGN PLAN SHALL BE REMOVED.
 2. ALL PROPOSED SIGNING AND STRIPING SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
 3. PAVEMENT STRIPING AND MARKINGS SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS.
 4. UNLESS OTHERWISE SPECIFIED, ALL STRIPING AND MARKINGS IN THE PUBLIC RIGHT-OF-WAY SHALL BE OF THERMOPLASTIC PAINT OR PREFORMED THERMOPLASTIC MARKINGS.
 5. UNLESS OTHERWISE SPECIFIED, ON SITE PARKING STALL STRIPING, FIRE LANE STRIPING AND DIRECTIONAL ARROWS SHALL BE EPOXY PAINT. ON SITE STOP BARS, "DO NOT ENTER" BARS, AND ASSOCIATED LETTERING SHALL BE THERMOPLASTIC PAINT OR PREFORMED THERMOPLASTIC MARKINGS.



ACCESSIBLE ENTRANCE LANDING DETAIL
NOT TO SCALE



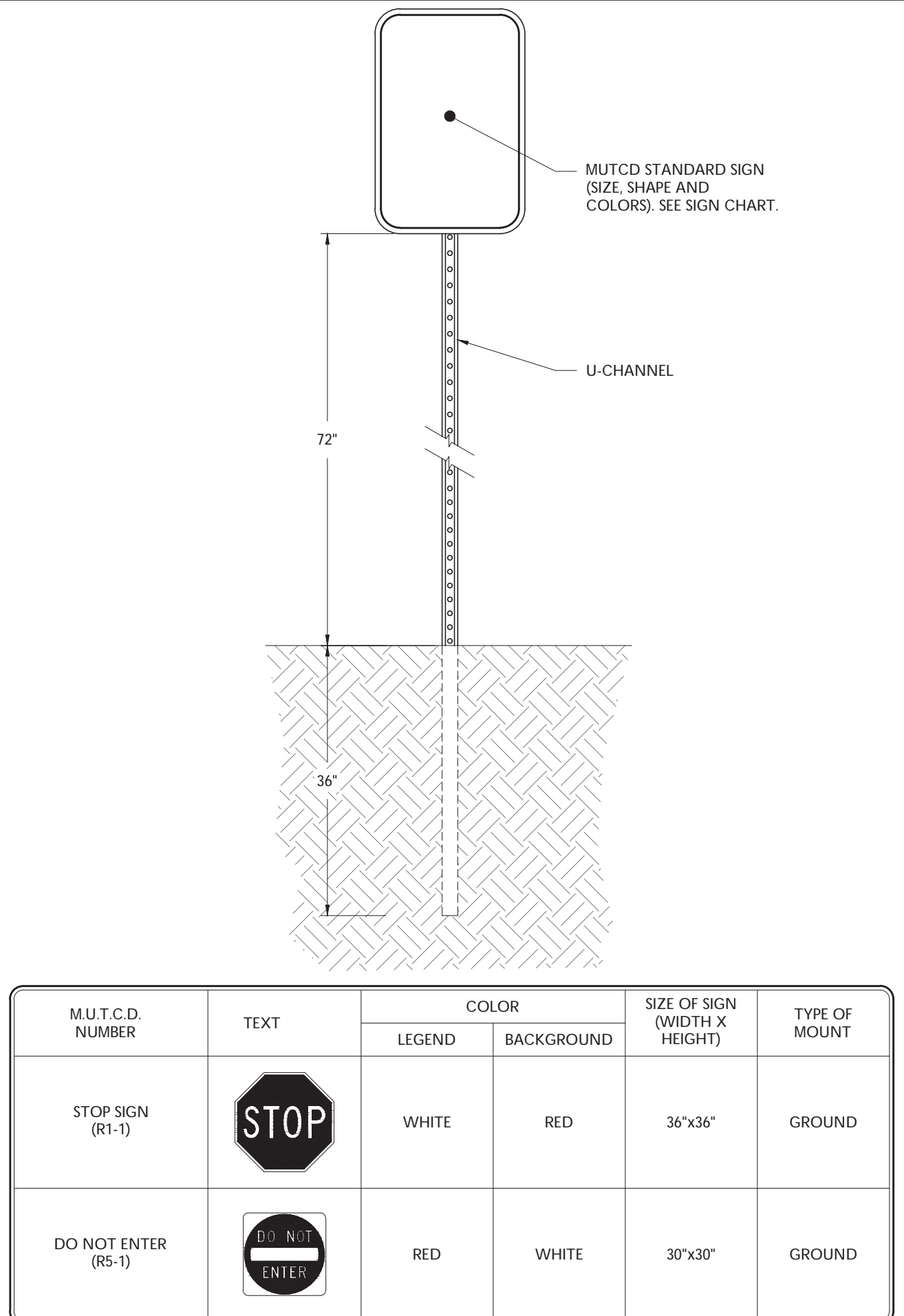
CONCRETE WALKWAY DETAIL
NOT TO SCALE



STOP BAR & ARROW DETAILS
NOT TO SCALE

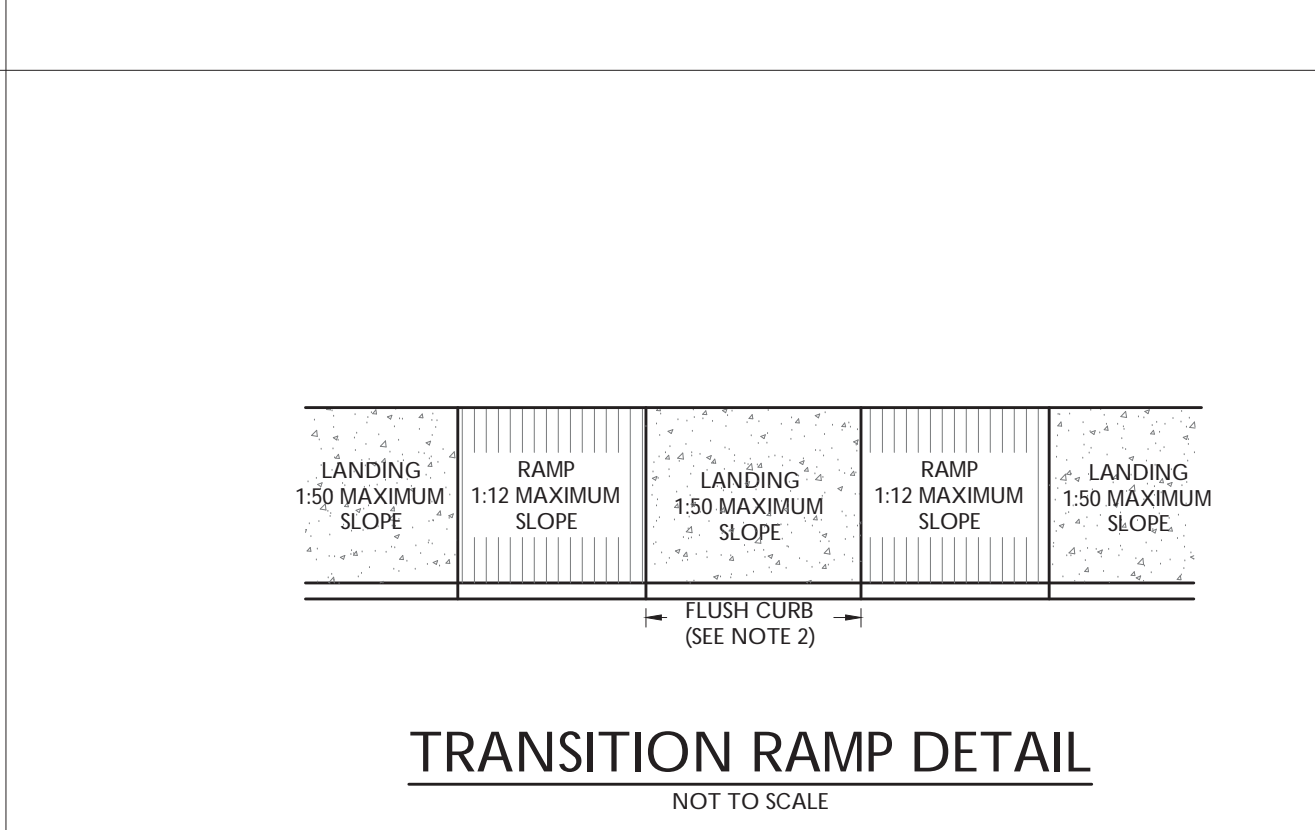
- NOTES:**
1. MAXIMUM SLOPE ON LANDING SHALL BE 1:50 IN ALL DIRECTIONS.
 2. DIMENSIONS SHOWN HERE ARE THE MINIMUM DIMENSIONS REQUIRED FOR AN ADA COMPLIANT LANDING AT THE ACCESSIBLE ENTRANCE. REFER TO SITE PLAN FOR SITE SPECIFIC DIMENSIONS THAT MAY SPECIFY A LARGER LANDING AREA.
 3. CONTRACTOR SHALL CONTACT THE ENGINEER BEFORE CONSTRUCTION IF THE ACCESSIBLE ENTRANCE ON SITE DOES NOT MATCH THE SCENARIO SHOWN ABOVE.

- NOTES:**
1. MAXIMUM CROSS SLOPE SHALL BE 1/4\"/>



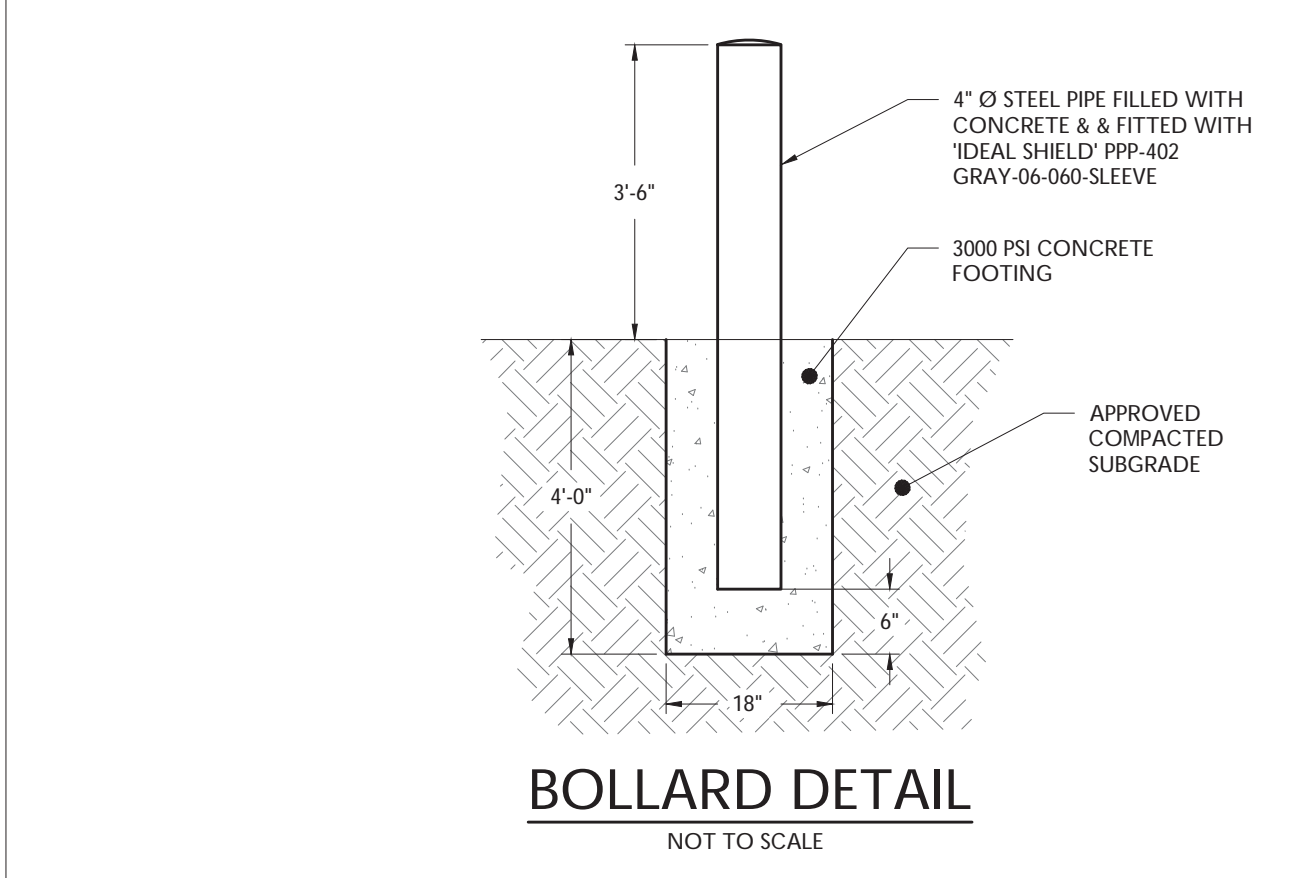
SIGN DETAIL & DATA TABLE
NOT TO SCALE

M.U.T.C.D. NUMBER	TEXT	COLOR		SIZE OF SIGN (WIDTH X HEIGHT)	TYPE OF MOUNT
		LEGEND	BACKGROUND		
STOP SIGN (R1-1)		WHITE	RED	36"x36"	GROUND
DO NOT ENTER (R5-1)		RED	WHITE	30"x30"	GROUND

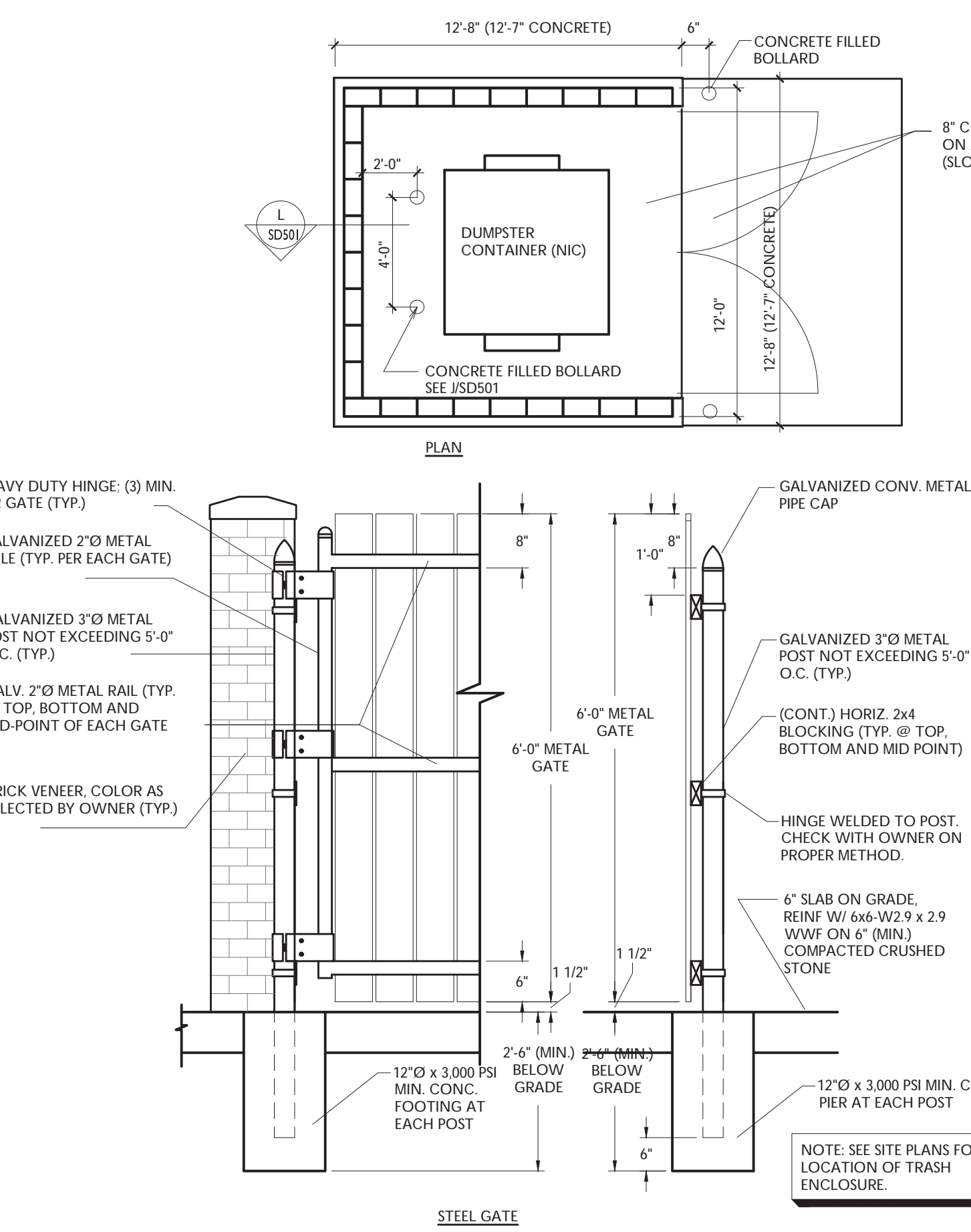


TRANSITION RAMP DETAIL
NOT TO SCALE

- NOTES:**
1. CROSS SLOPE ON RAMP SHALL NOT EXCEED 2%.
 2. A FLUSH CURB SHALL HAVE A MINIMUM WIDTH OF 36\"/>

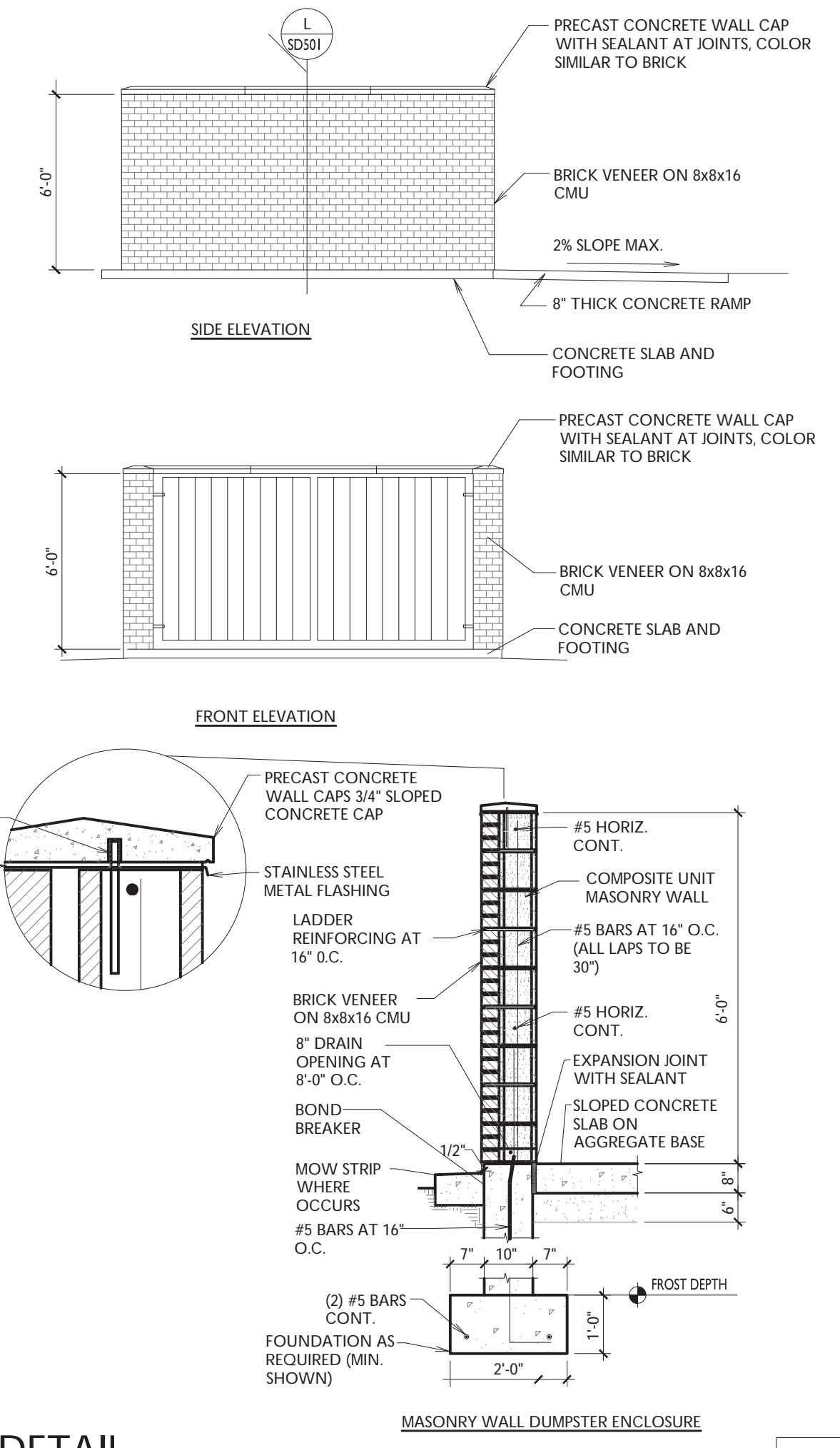


BOLLARD DETAIL
NOT TO SCALE



TRASH / RECYCLE ENCLOSURE DETAIL
NOT TO SCALE

- NOTE:** BLOCK COLOR TO MATCH BUILDING OR AS SPECIFIED BY OWNER



MASONRY WALL DUMPSTER ENCLOSURE

NO.	DATE	ISSUE	BY	DESCRIPTION
3	09/26/2023	EM		REVISED WATER AND STORM CONNECTIONS FOR PRE-APPLICATION CONFERENCE
2	07/05/2023	JCEM		FOR CLIENT REVIEW
1	05/20/2023	JPEM		

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www.stonefielddesign.com

607 Shelby Suite 200, Detroit, MI 48226
Phone 248.247.1115

EROP LLC

PROPOSED CAR WASH

PARCEL ID: 4715-22-400-024
VACANT E-M36
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

STATE OF MICHIGAN
JONATHAN R. COOKSEY
REGISTERED PROFESSIONAL ENGINEER

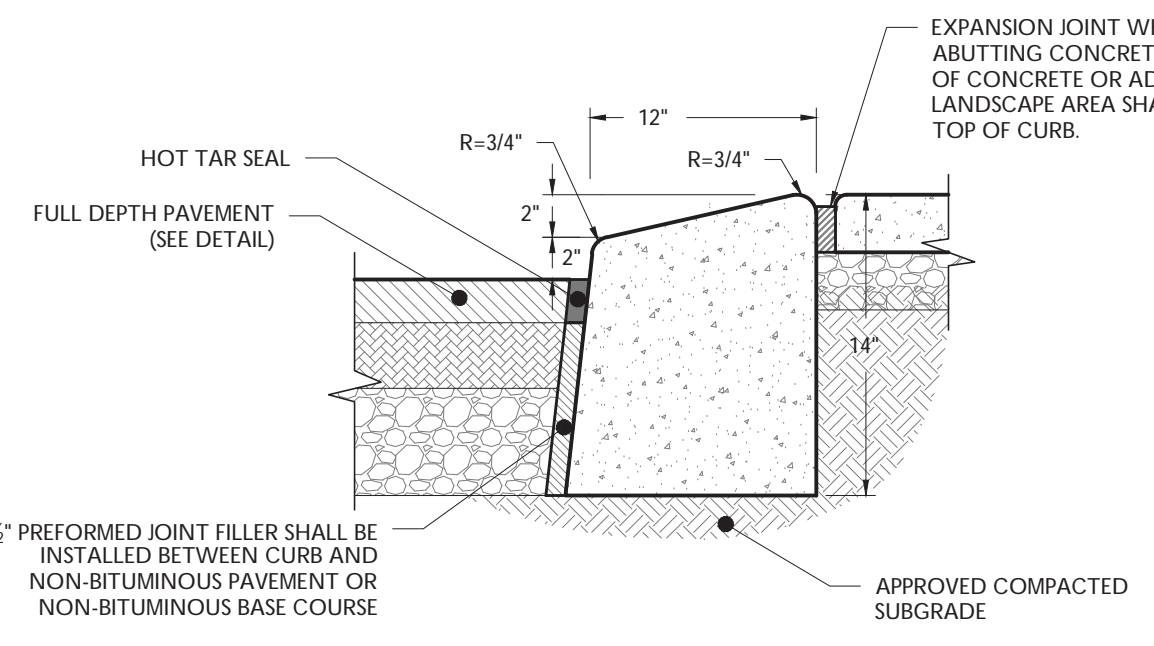
STONEFIELD
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SCALE: AS SHOWN PROJECT ID: DET-220416

TITLE: **CONSTRUCTION DETAILS**

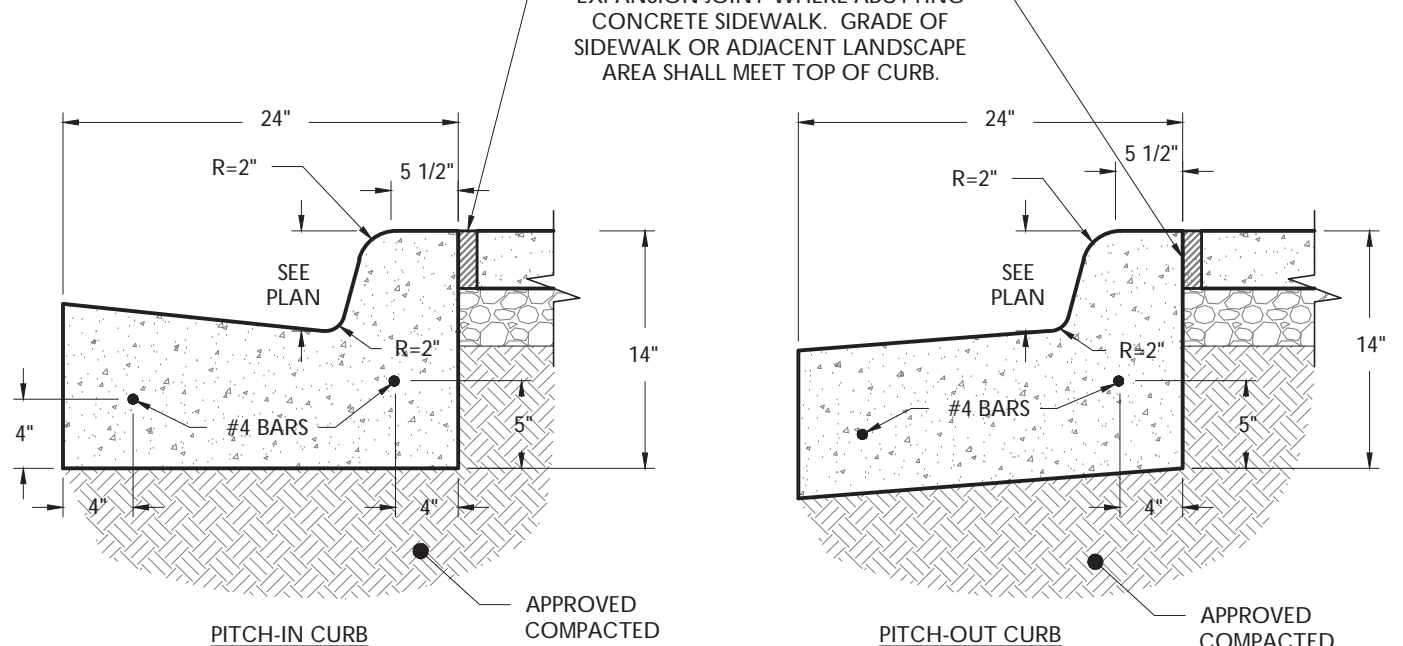
DRAWING: **C-9**

V:\PROJECTS\220416-EROP CAR WASH\EROP CAR WASH COMMONS CIRCLE HAMBURG TOWNSHIP MICHIGAN\220416-11.DWG



MOUNTABLE CONCRETE CURB

- NOTES:
1. CONCRETE SHALL BE 3500 PSI AT 28 DAYS, AIR-ENTRAINED.
 2. TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED 1/2" FROM THE SURFACE.
 3. HALF DEPTH CONTRACTION JOINTS SHALL BE PROVIDED AT 10 FOOT INTERVALS.
 4. 18" CURB DEPTH SHALL BE MAINTAINED AT DEPRESSED OR FLUSH CURBED AREAS.

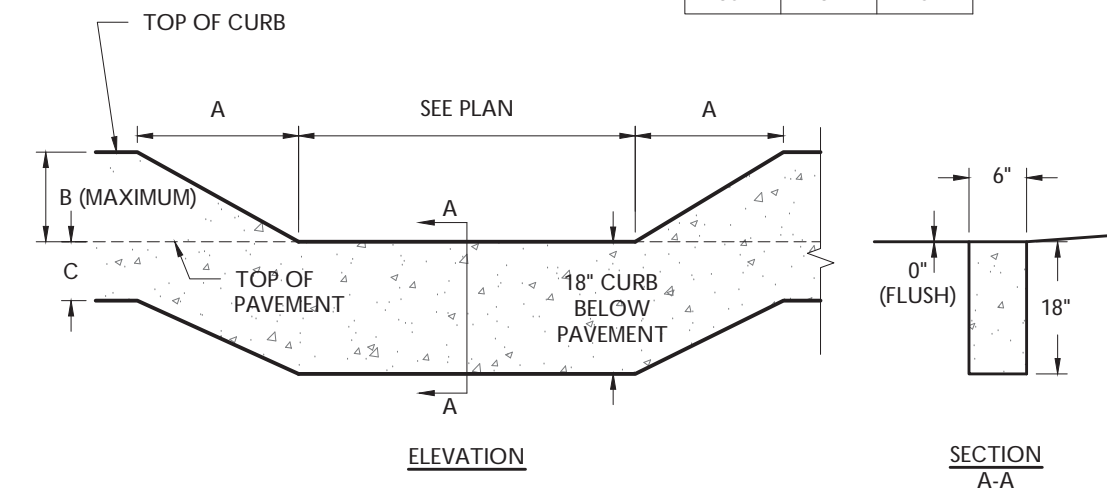


CONCRETE CURB AND GUTTER DETAIL

- NOTES:
1. CONCRETE SHALL BE 3500 PSI AT 28 DAYS, AIR-ENTRAINED.
 2. TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED 1/2" FROM SURFACE.
 3. HALF DEPTH CONTRACTION JOINTS SHALL BE PROVIDED AT 10 FOOT INTERVALS.
 4. 14" CURB DEPTH SHALL BE MAINTAINED AT DEPRESSED OR FLUSH CURBED AREAS.

FLUSH CURB DIMENSIONS

A	B	C
72"	6"	12"
60"	5"	13"
48"	4"	14"
36"	3"	15"



FLUSH CURB DETAIL

NOT TO SCALE



Low-Profile, Driverless Linkable IP67 LED Linear Luminaire

Product Features
Maintenance-Free Driverless Design
Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime. Requires zero maintenance.

Performance Summary
Delivered Light Output: Up to 8,000 Lumens
Efficacy: 130 LPW
CRI: Typical 85 CRI
CCT: 5000K & 4000K
Lifetime: Designed to last 100,000 Hours at 25°C
Warranty: 5 Years (See spec sheet for Terms)
Mounting: Ceiling or Wall
Protection Class: IP67
Dimming: Yes, TRAC Dimmable
Voltage: 120 VAC or 277 VAC Input
Maximum Run Length: Refer to the Table on Page 2
Ambient Temperature: 40°C to 55°C

Easy to Install Quick-Connect Cabling
Convenient push-and-click connectors and cabling make GPX Series fixtures easy to install and disassembly.

Coextruded Copolyester/Aluminum Housing
Our patented process combines copolyester and aluminum together, with no seals or gaskets. The result is a single piece enclosure with excellent heat-shrink characteristics for long lifetime.

Superior Chemical & UV Resistance
Seamless polymeric outer shell provides IP67 ingress protection and is specialized for superior chemical and UV resistance. An additional protective coating is available which integrates a UV inhibitor and UV blocker for outdoor applications.

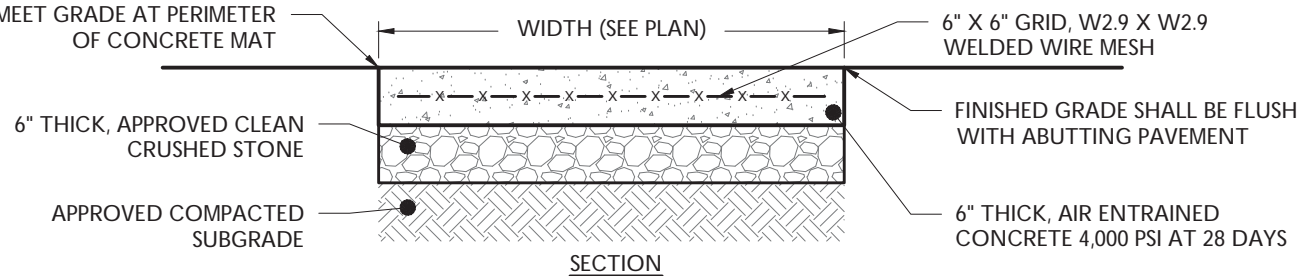
Ordering Information

Product	Length	Lumen Output	Color Temp.	Lens Diffusion	UV Protection	Through Wired	Voltage
GPX-1	2 ft	2700	50K	Clear	None	None	120V
GPX-2	4 ft	5400	40K*	Clear	None	None	277V
GPX-4	4 ft	5400	50K	Clear	None	None	120V
GPX-8	8 ft	10800	40K*	Clear	None	None	277V
GPX-16	16 ft	21600	50K	Clear	None	None	120V
GPX-24	24 ft	32400	40K*	Clear	None	None	277V
GPX-LDR-10	10 ft	10800	50K	Clear	None	None	120V
GPX-LDR-25	25 ft	27000	50K	Clear	None	None	120V

Power & Connection Accessories

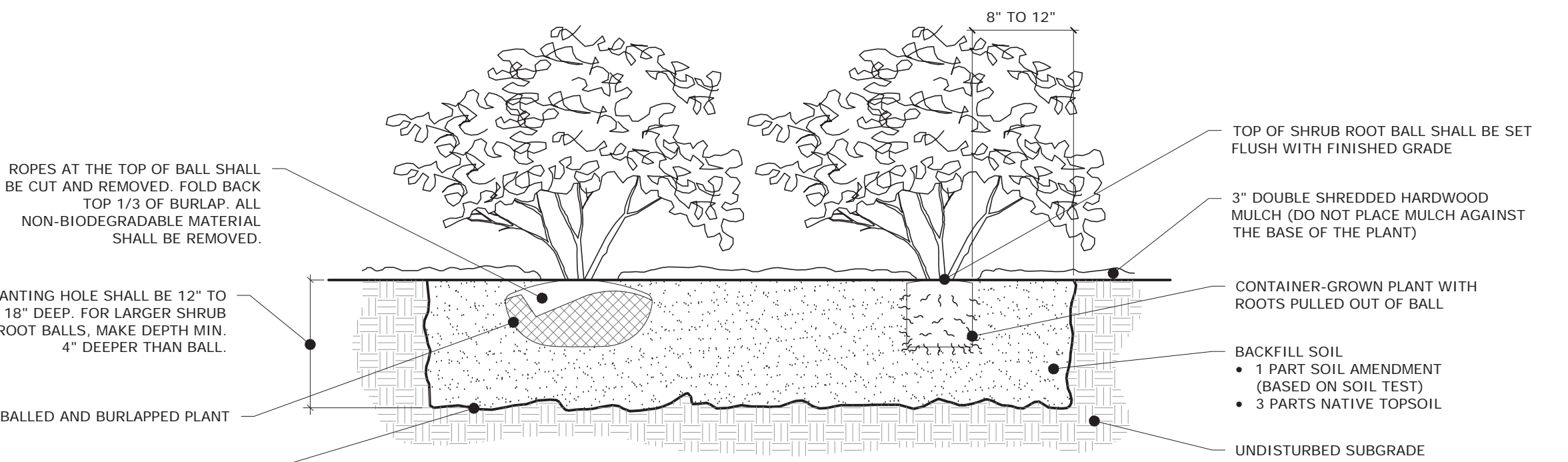
Cable	Type	Length	Wire	Mounting Hardware	Description
GPX-JMP-1	Jumper	1ft	18 AWG S/UTW	GPX-AMT-NM	Non-Metallic Quick Latch
GPX-JMP-2	Jumper	2ft	18 AWG S/UTW	GPX-AMT-SS	Stainless Steel Bolt Latch
GPX-JMP-4	Jumper	4ft	18 AWG S/UTW		
GPX-JMP-8	Jumper	8ft	18 AWG S/UTW		
GPX-LDR-10	Leads/Cable	10ft	18 AWG S/UTW		
GPX-LDR-25	Leads/Cable	25ft	18 AWG S/UTW		

Ordering Example: XWS 2 LED 03L 27 UE BRZ ALS



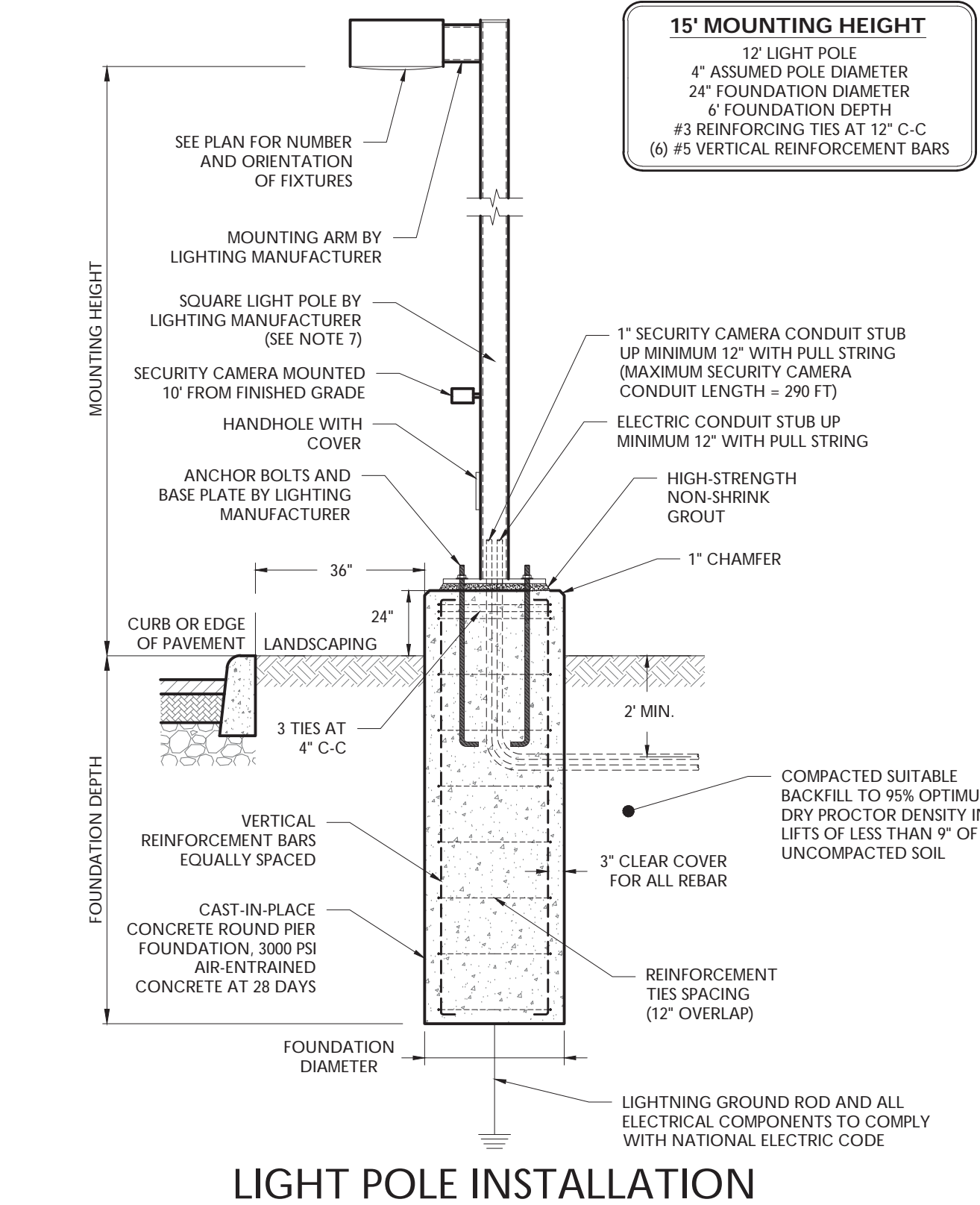
REINFORCED 6" CONCRETE MAT (FOR TRANSFORMER PAD AND TRASH MATS)

- NOTES:
1. 3/4" EXPANSION JOINTS WITH WATER SEAL SHALL BE PROVIDED AT 12' INTERVALS WITH PRE-MOLDED, BITUMINOUS JOINT FILLER, RECESSED 1/2" FROM THE SURFACE. LONGITUDINAL REBAR TO BE CUT AT EXPANSION JOINTS.
 2. 1" DEEP BY 3/4" WIDE, TOOLED CONTRACTION JOINTS SHALL BE PROVIDED AT MID-POINT BETWEEN EXPANSION JOINTS OR 6' INTERVALS MAX.
 3. CONCRETE SHALL RECEIVE BROOM FINISH.
 4. ALL EXPOSED CORNERS TO HAVE 12" CHAMFER.



DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL

NOT TO SCALE



LIGHT POLE INSTALLATION

- NOTES:
1. MINIMUM SOIL BEARING PRESSURE OF 1500 PSF, SOIL FRICTION ANGLE OF 30 DEGREES, AND SOIL DRY UNIT WEIGHT OF 120 PCF SHALL BE CONFIRMED IN THE FIELD BY A QUALIFIED PROFESSIONAL.
 2. CAST-IN-PLACE CONCRETE SHALL BE CONSOLIDATED USING VIBRATOR.
 3. ALL REBAR TO BE NEW GRADE 60 STEEL.
 4. PRE-CAST PIERS ACCEPTABLE UPON WRITTEN APPROVAL OF SHOP DRAWING BY ENGINEER.
 5. CONCRETE TO BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO INSTALLING LIGHT POLE. POURED CONCRETE MIX REQUIRED TO OBTAIN 80% OF DESIGN STRENGTH PRIOR TO INSTALLING LIGHT POLE.
 6. CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" (WITHIN 1" TOLERANCES).
 7. POLE SHALL BE RATED FOR 10 MPH HIGHER THAN MAXIMUM WIND SPEED 33FT ABOVE GROUND FOR THE AREA BASED ON ANS/ASSE 7-93.
 8. FOUR TO BE TERMINATED AT A FORM.
 9. WORK SHALL CONFORM TO ACI BEST PRACTICES FOR APPROPRIATE TEMPERATURE AND WEATHER CONDITIONS.
 10. CONTRACTOR TO TEMPORARILY SUPPORT ADJACENT SOIL AND STRUCTURES DURING EXCAVATION IF REQUIRED.

Mirada Medium - MRM Outdoor LED Area Light

Performance (Cont.)
All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Mirada (MRM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.

Ordering Guide

EXAMPLE: MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL

Luminaire Prefix	Light Source	Lumen Package	Lens	Distribution	Options	Voltage	Driver
MRM	LED	36L	SIL	2-Type 2	03L	UNV	DM

Mirada Small Wall Sconce Silicone (XWS SIL)

ORDERING GUIDE

EXAMPLE: XWS LED 6L SIL FT UNV DIM 40 70CRI ALSCS1 BLK CWBB

Prefix	Light Source	Lumen Package	Lens	Distribution	Voltage	Driver
XWS	LED	6L	SIL	2-Type 2	UNV	DM

Accessory Ordering Information:

Part Number	Description
7262702A	WYS Extended Housing/Surface Conduit Wiring Box
72625932B	WYS Spacer Plate/Wiring Box

Accessories: Battery Backup, Luminaire shown with IMSBT, Bottom Photocell, Wiring Clarity.

Footnotes: 1. Contact factory for availability. 2. Not available in HV. 3. Contact factory for Site Layout. 4. IMSBT is sold configurable via the LSI app that can be downloaded from your smartphone's native app store. 5. Not available in HV. 6. Fixing must be located in hand hole of pole or in the junction box. 7. Not available with HV.

SPECIFICATIONS FOR FIXTURE 'E'

NOT TO SCALE

Mirada Wall Sconce - XWM Outdoor LED Wall Sconce

Ordering Guide

EXAMPLE: XWM 2 LED 03L 27 UE BRZ ALS

Luminaire Prefix	Distribution	LED Technology	Lumen Package*	Color Temp.	Voltage	Finish	Controls (Choose One)	Options
XWM	2-Type 2	LED	2L-2,000 lms 4L-4,000 lms 6L-6,000 lms 8L-8,000 lms 12L-12,000 lms	27-2700K 30-3000K 40-4000K 50-5000K	UNV HV	BRZ	ALS - Autarky ALS01 - Autarky ALS02 - Autarky	BB - Battery Back-up CB - Clock Battery Backup PM - Premium Plus

Accessory Ordering Information

Description	Order Number	Description	Order Number
XWM DR BLK - Surface Wiring Box (Available in black only)	35889BLK	DR201 - Double Fang	DR201P
FX200 - Single Fang	FX200P	DR210 - Double Fang	DR210P
FX210 - Single Fang	FX210P	DR220 - Double Fang	DR220P
FX240 - Single Fang	FX240P		

Footnotes: 1. Contact factory for availability. 2. Not available in HV. 3. Contact factory for Site Layout. 4. IMSBT is sold configurable via the LSI app that can be downloaded from your smartphone's native app store. 5. Not available in HV. 6. Fixing must be located in hand hole of pole or in the junction box. 7. Not available with HV.

SPECIFICATIONS FOR FIXTURE 'F'

NOT TO SCALE

REVISION	DATE	DESCRIPTION
3	09/26/2023	EM
2	07/05/2023	JCEM
1	05/09/2023	JPEM

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Phone 248.247.1115

EROP LLC

WHITEWATER EXPRESS CAR WASH

PROPOSED CAR WASH
PARCEL ID: 4715-22-400-024
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

STATE OF MICHIGAN
EROP LLC
COOKSEY ENGINEER

STONEFIELD engineering & design

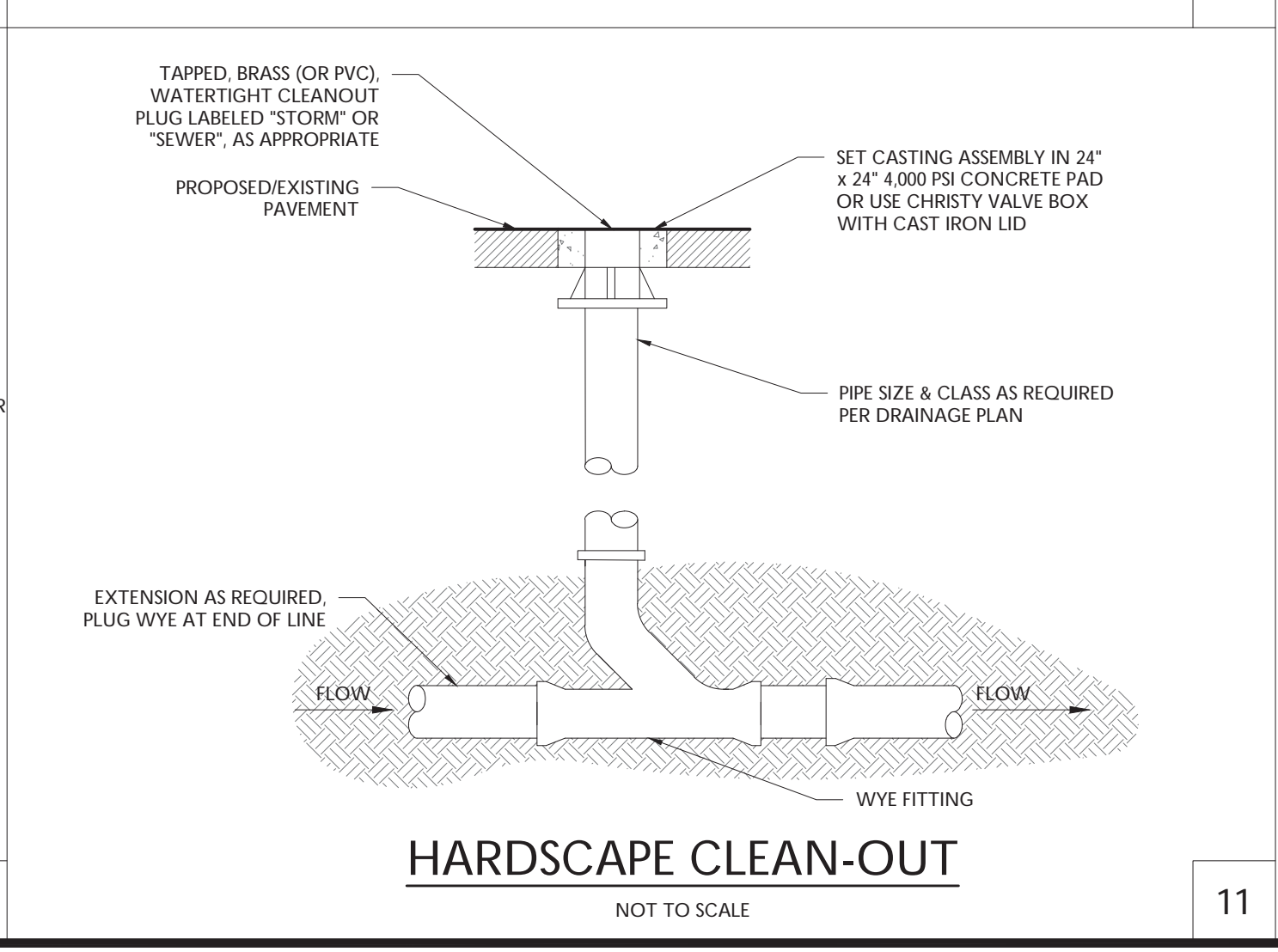
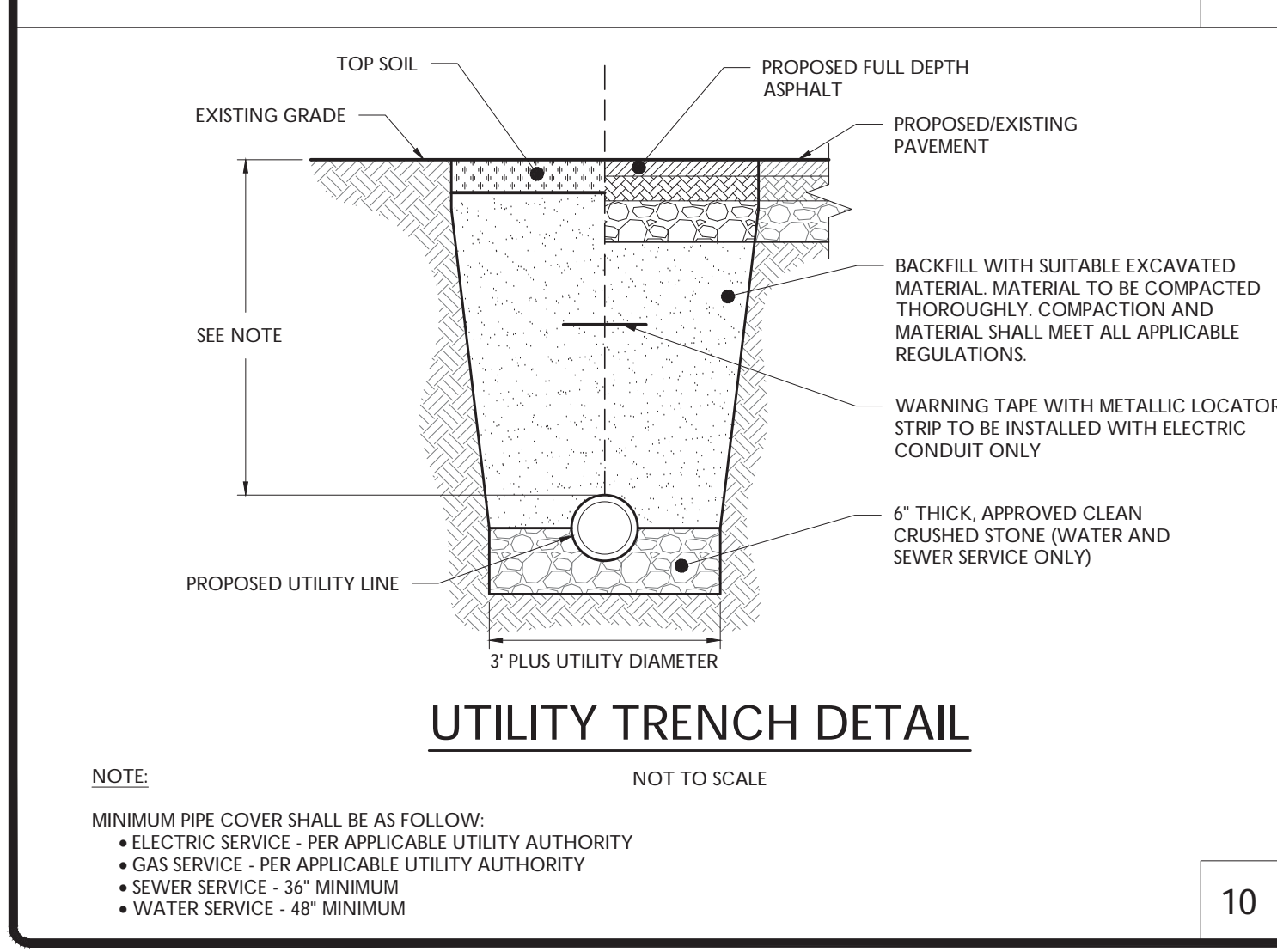
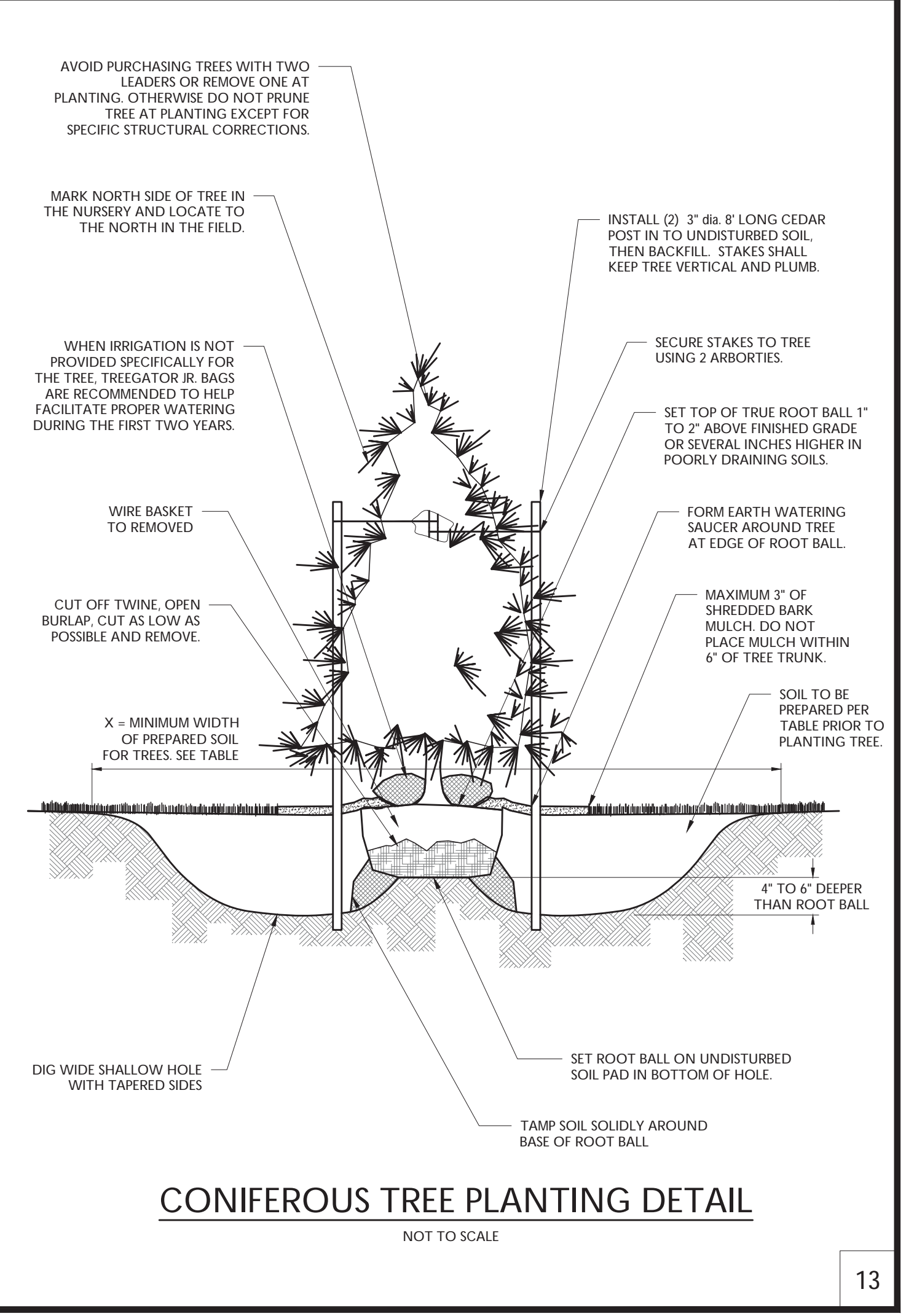
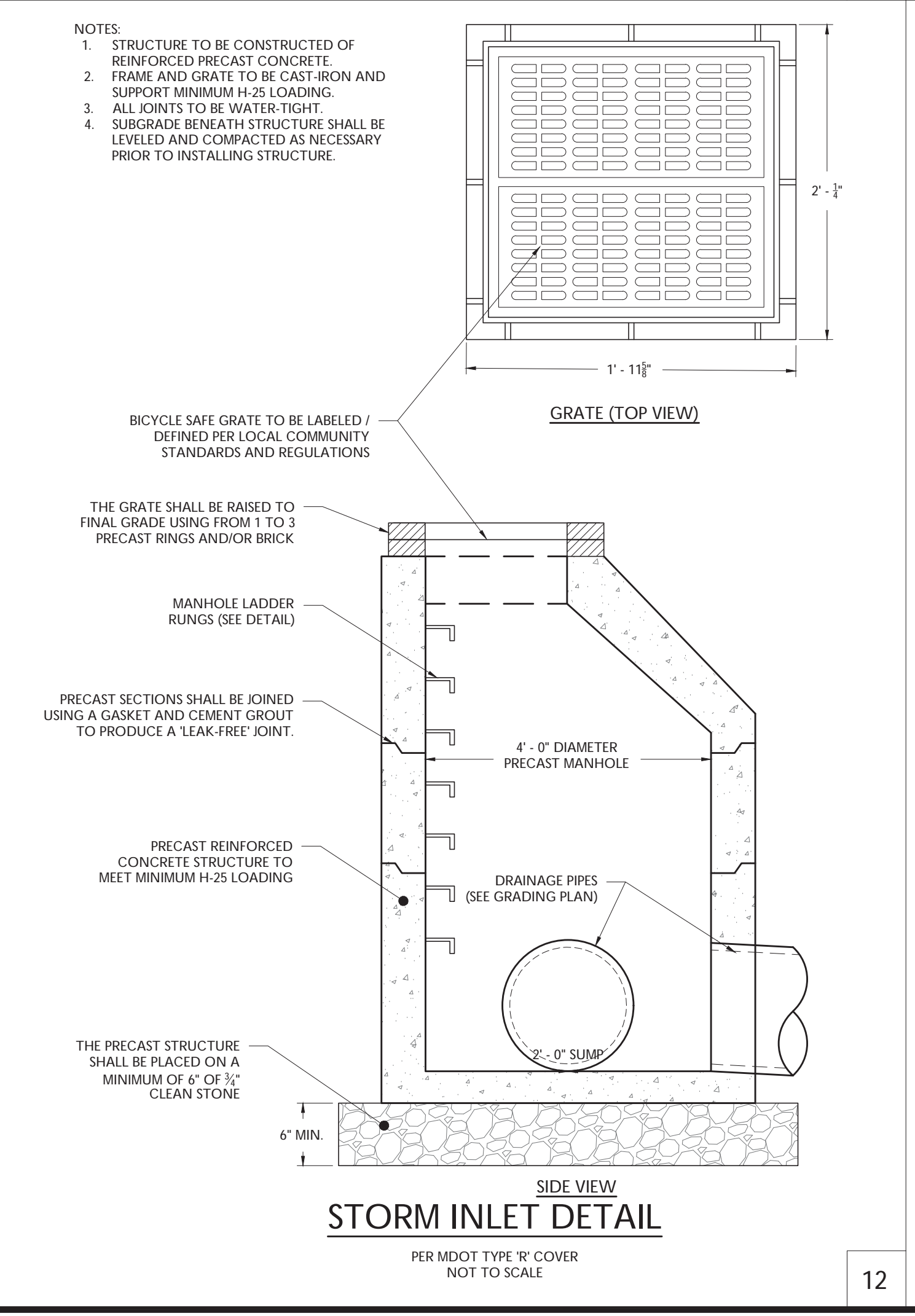
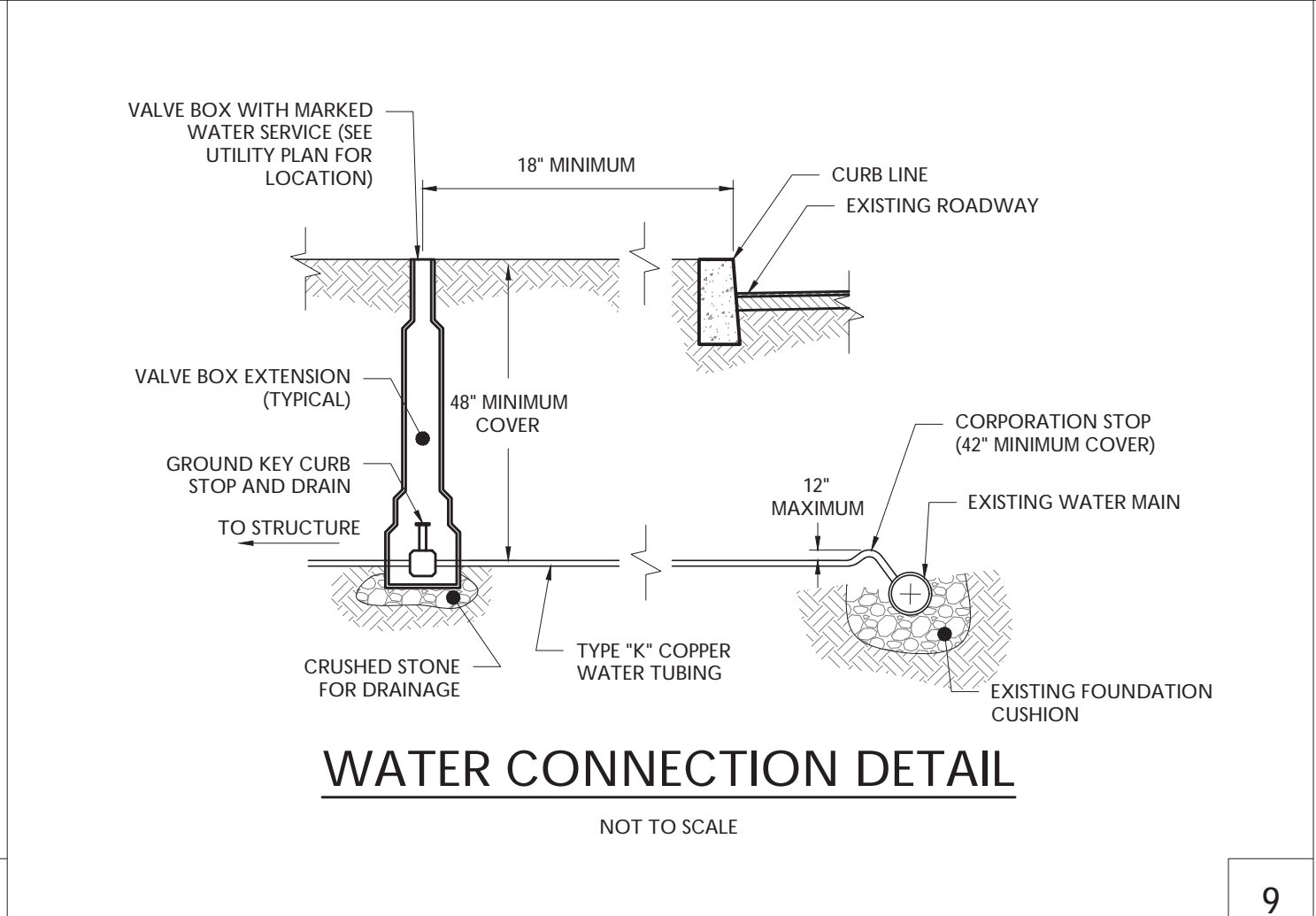
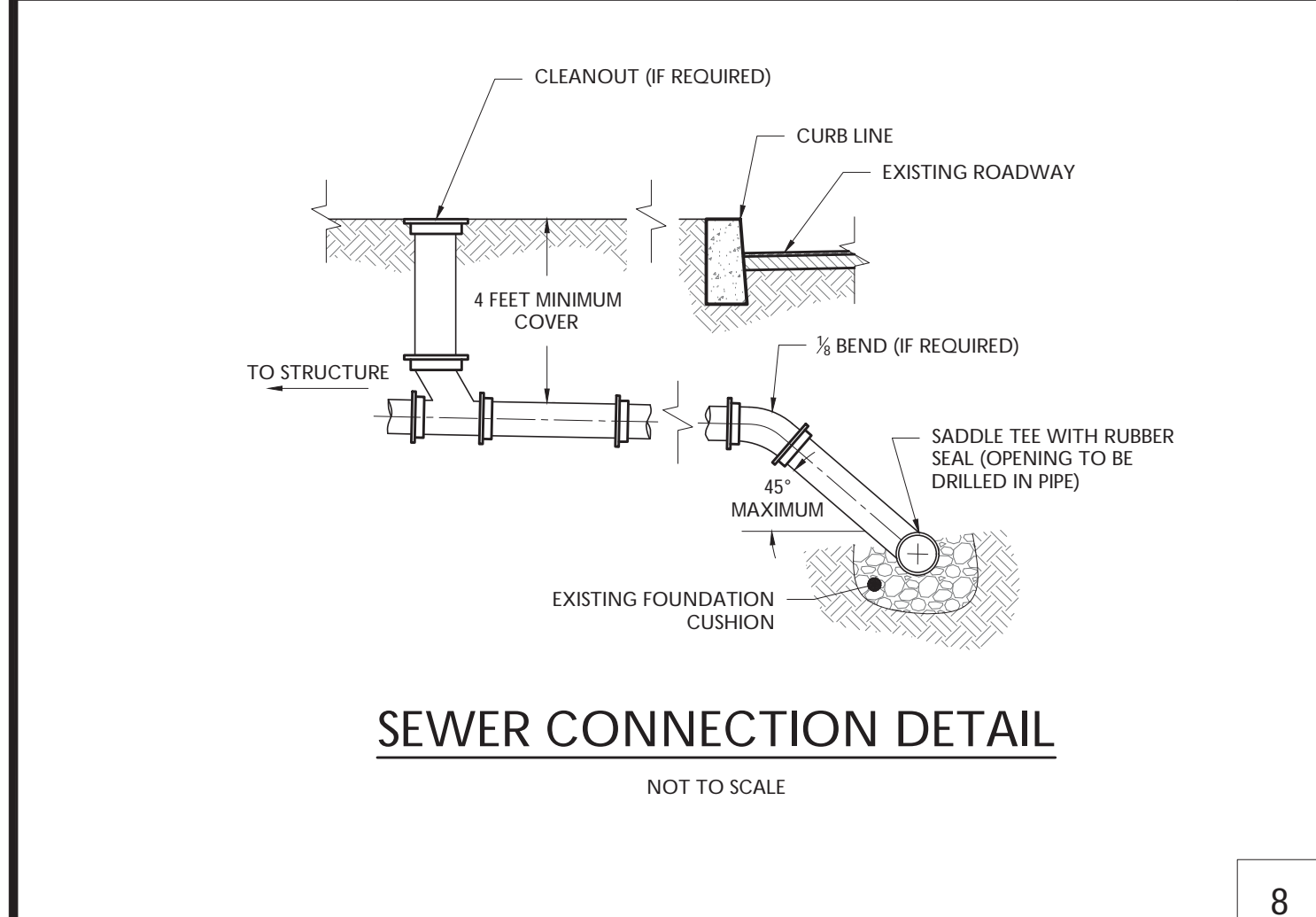
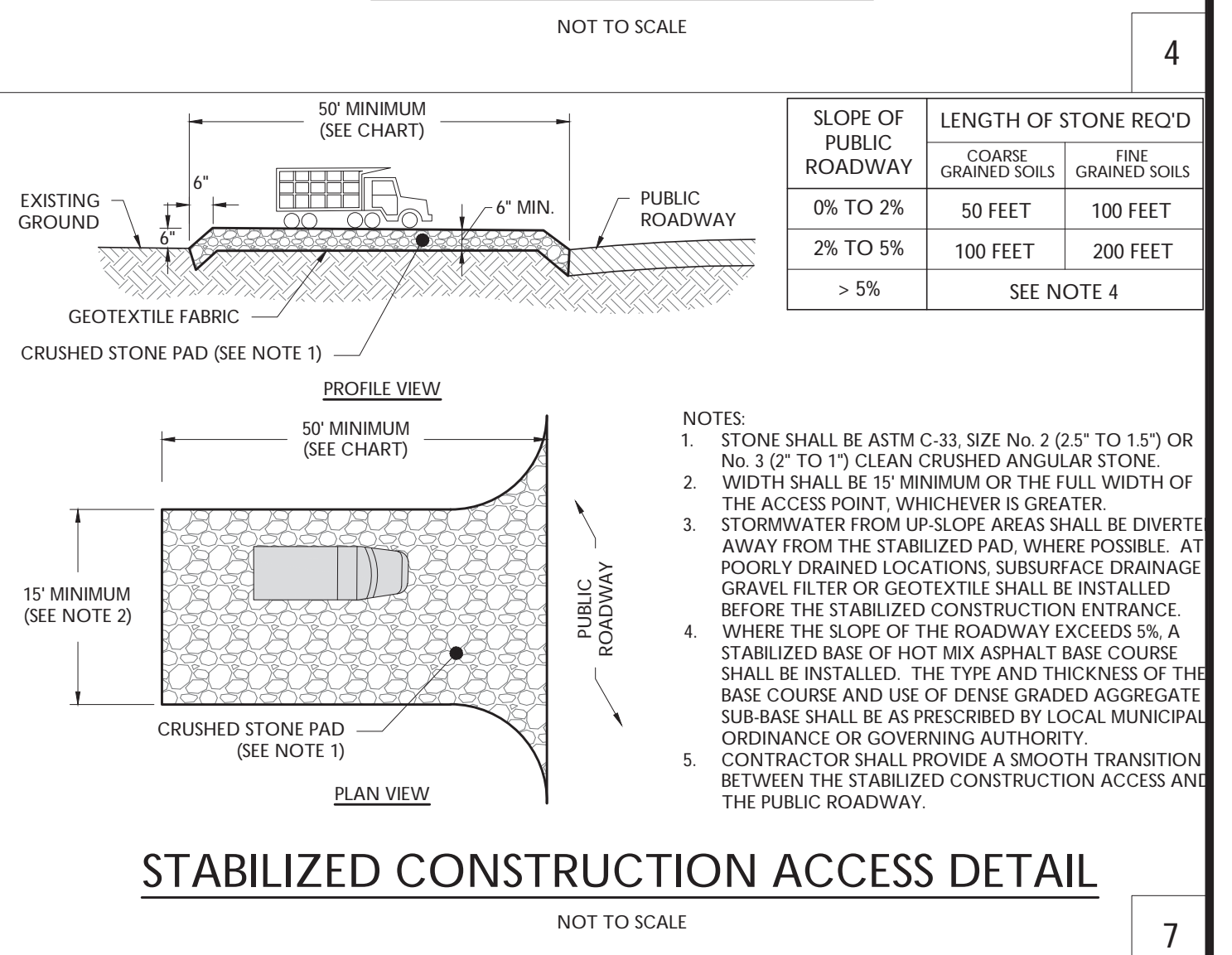
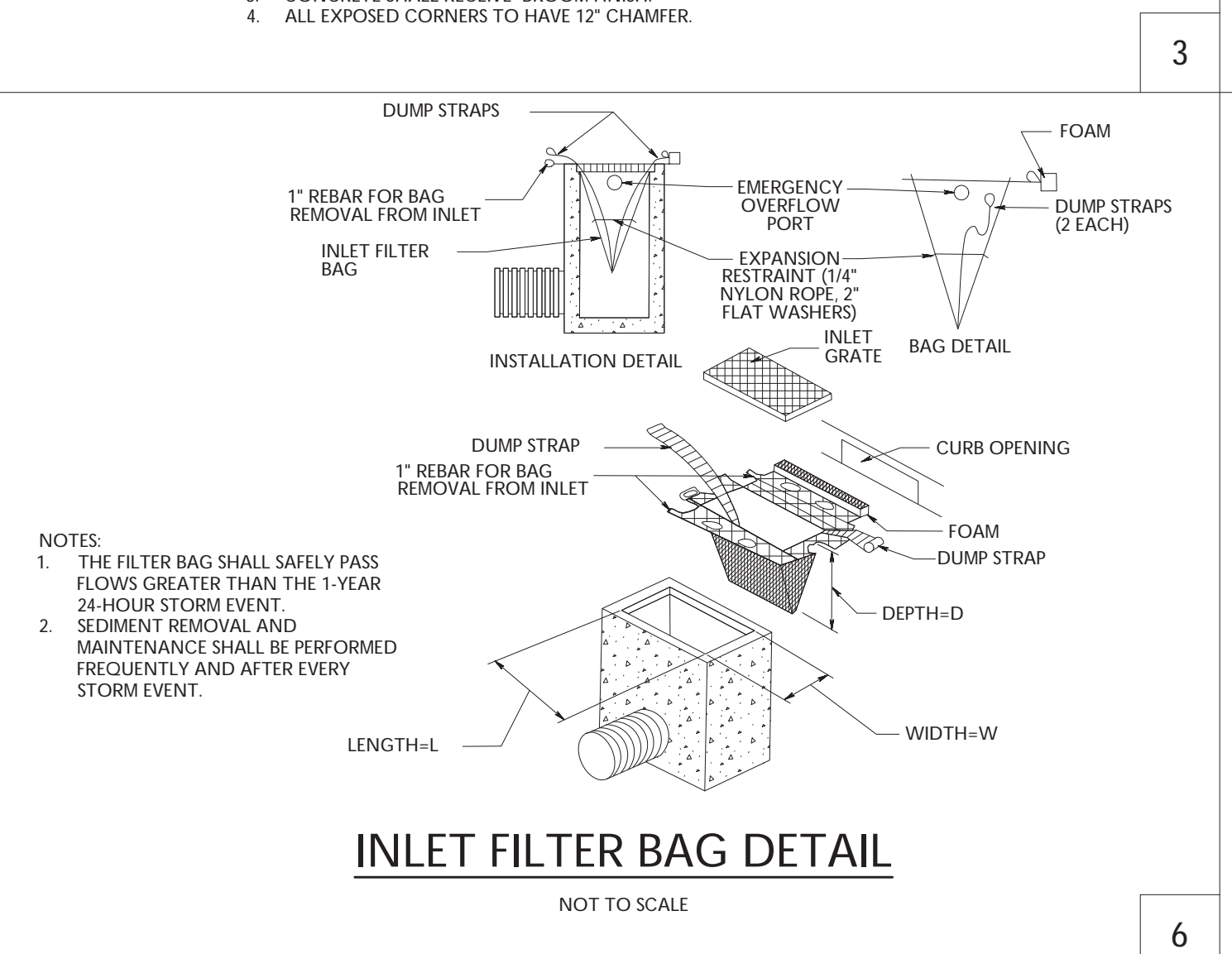
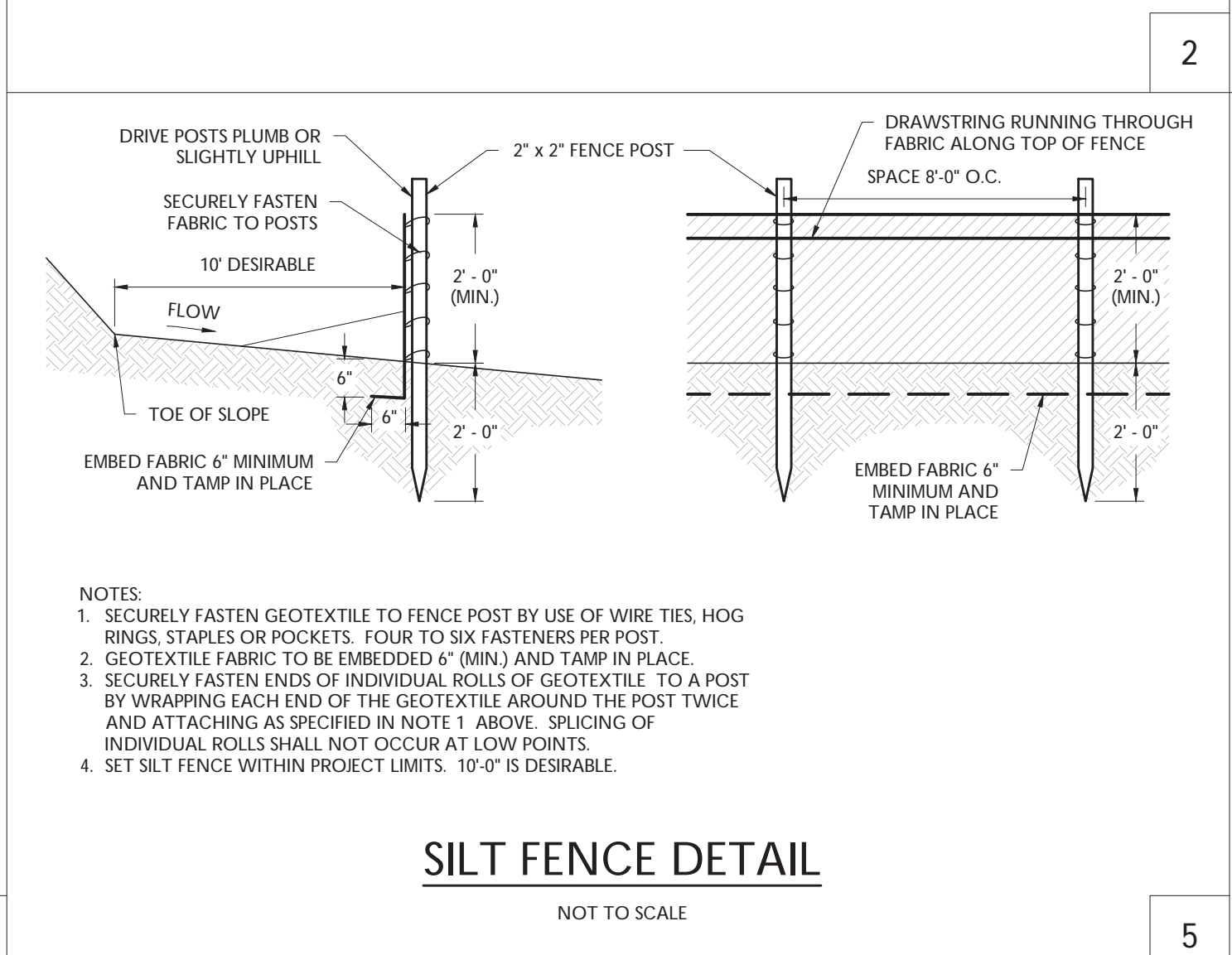
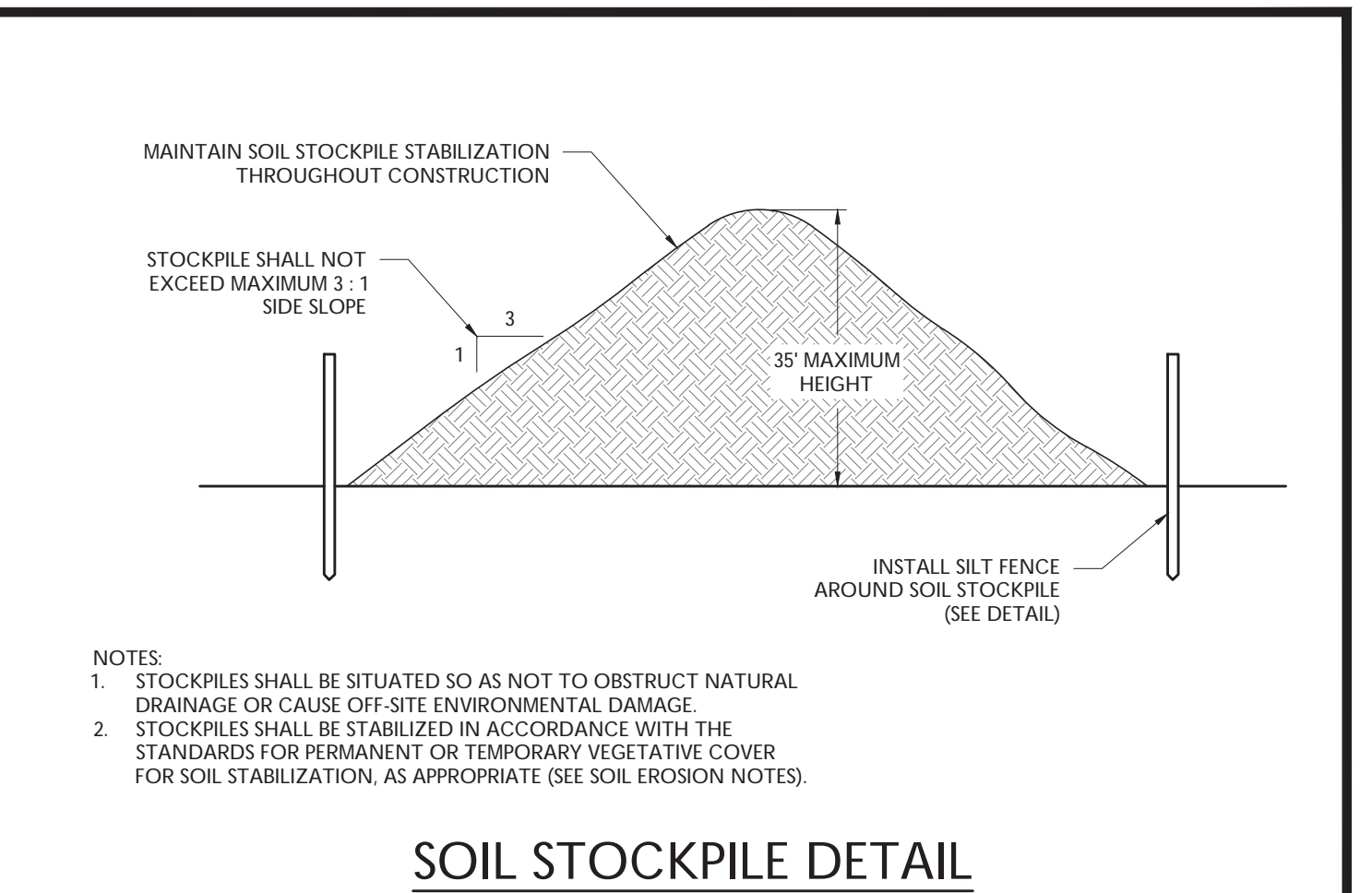
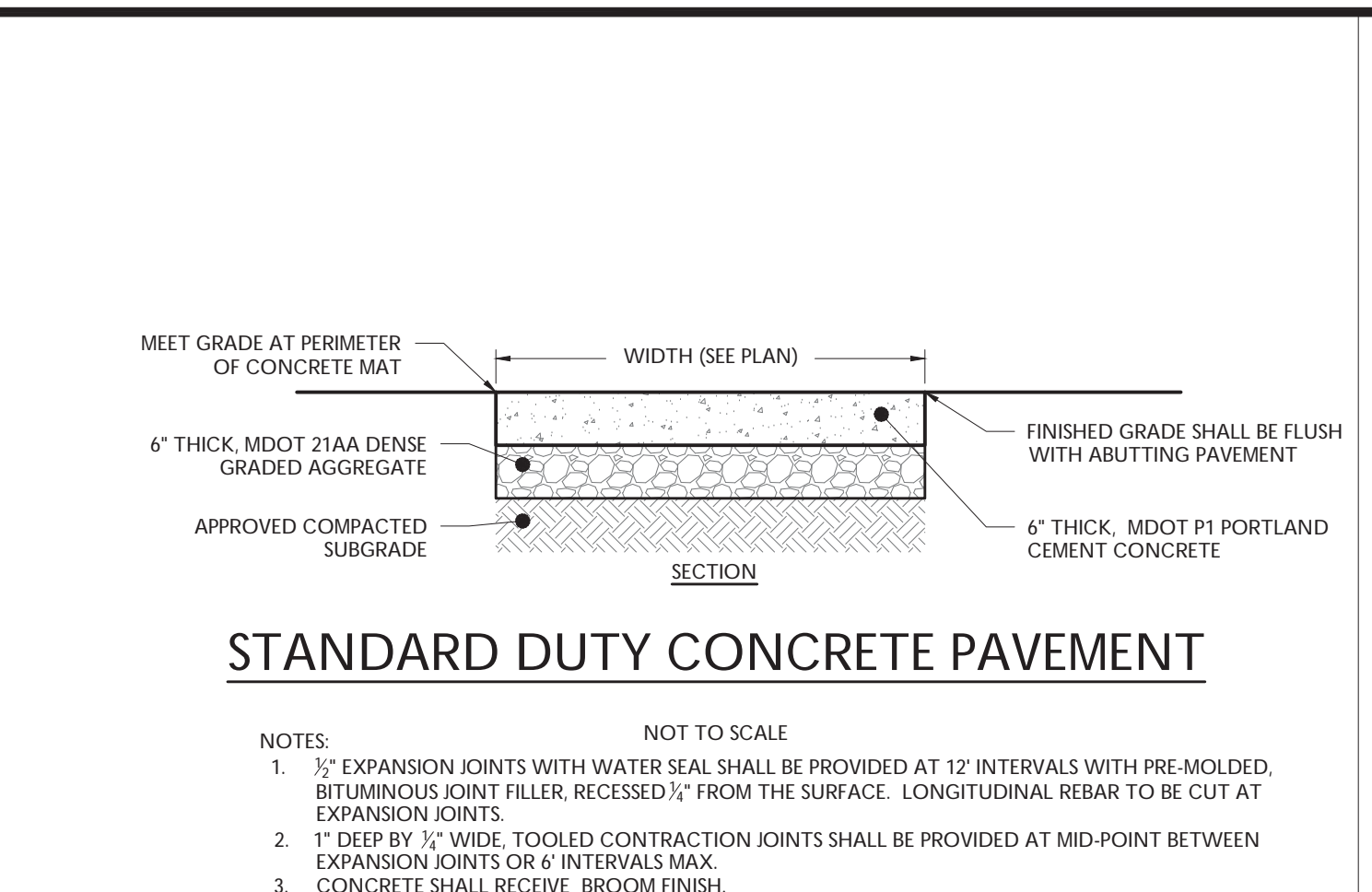
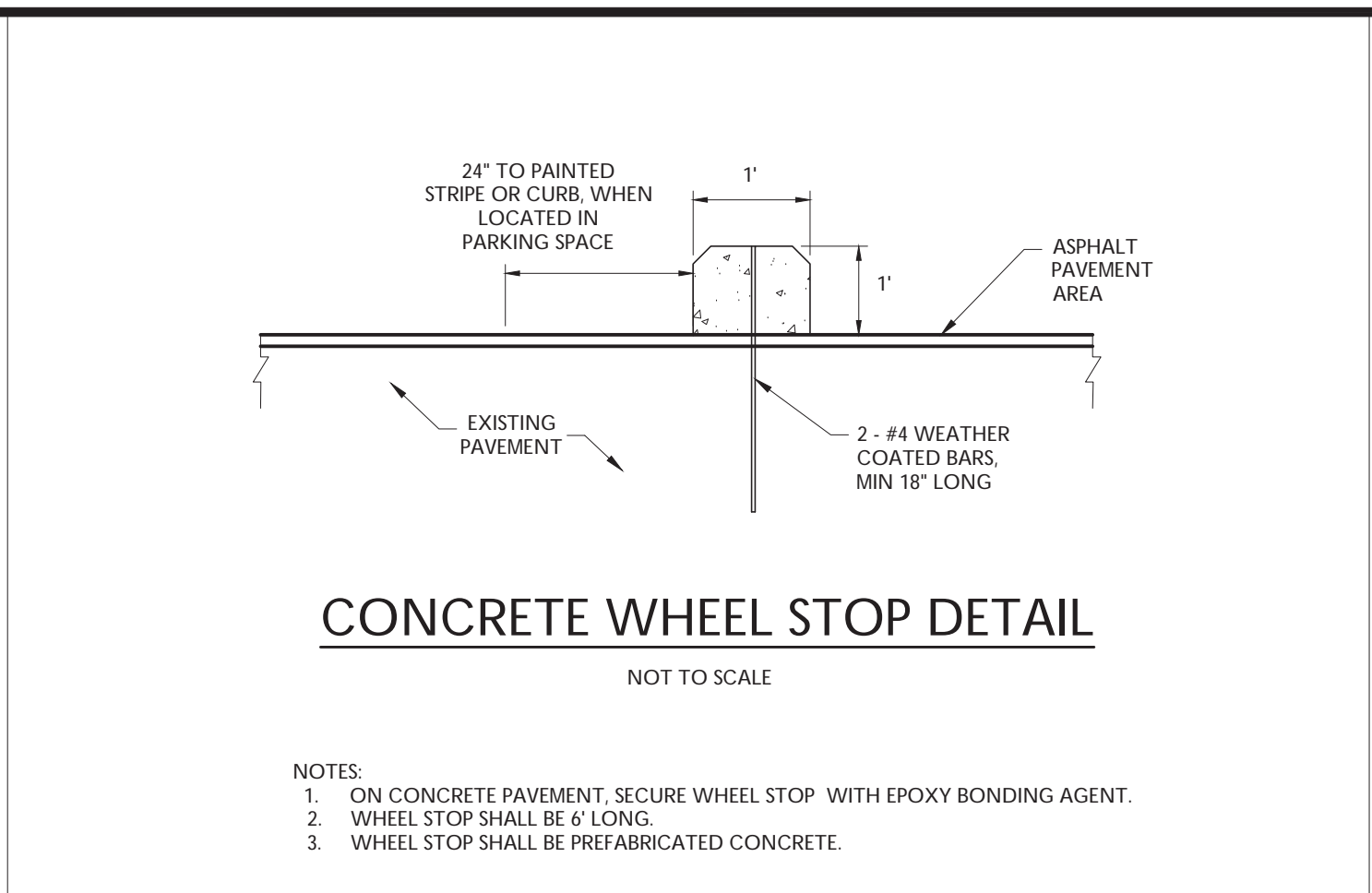
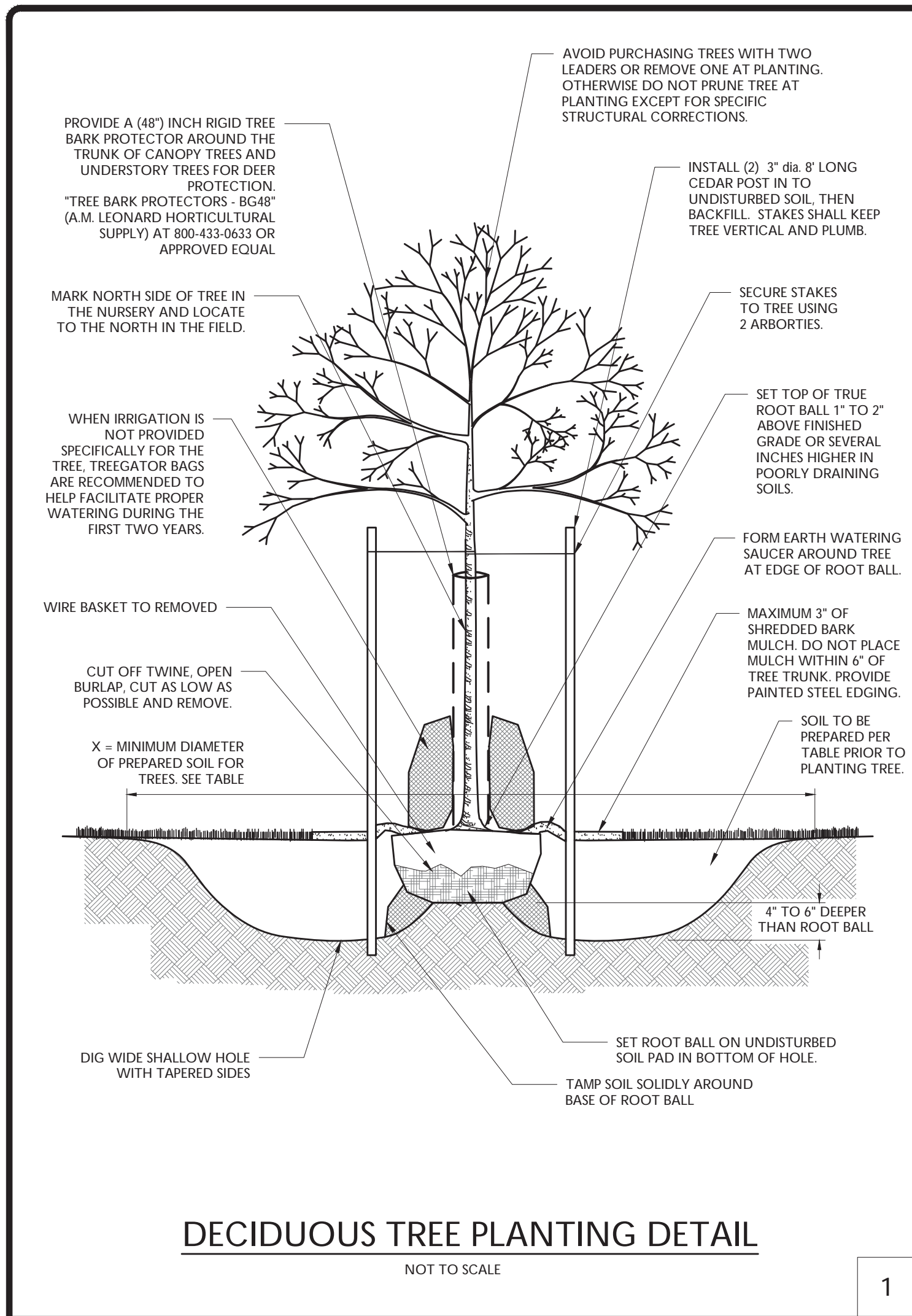
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TITLE: CONSTRUCTION DETAILS
DRAWING: C-10

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REVISIONS		DESCRIPTION	
NO.	DATE	BY	DESCRIPTION
3	09/26/2023	EM	REVISED WATER AND STORM CONNECTIONS
2	07/05/2023	JCI/EM	FOR PRE-APPLICATION CONFERENCE
1	05/30/2023	JPE/M	FOR CLIENT REVIEW

NOT APPROVED FOR CONSTRUCTION

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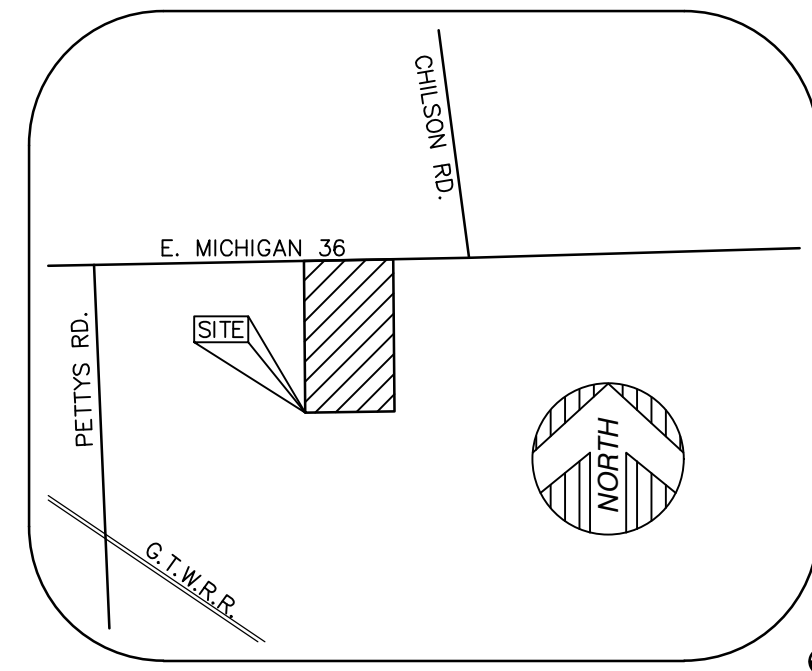
PROPOSED CAR WASH
PARCEL ID: 4715-22-400-024
VACANT E-M36
HAMBURG TOWNSHIP
LIVINGSTON COUNTY, MICHIGAN

WHITEWATER EXPRESS CAR WASH

STATE OF MICHIGAN
JONATHAN R. COOKSEY
REGISTERED PROFESSIONAL ENGINEER
No. 76096

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SCALE: AS SHOWN PROJECT ID: DET-220416
TITLE:
DRAWING:
C-11



VICINITY MAP (NOT TO SCALE)

PARCEL AREA
53,075± SQUARE FEET = 1.22± ACRES

BASIS OF BEARING
NORTH 88°31'32" EAST, BEING THE SOUTH LINE OF E. MICHIGAN AVE (M-36), AS DESCRIBED.

BENCHMARK

SITE BENCHMARK #1
RR SPIKE IN EAST SIDE OF UTILITY POLE @ NE CORNER OF SITE 40'± SOUTH OF M-36
ELEVATION = 864.81' (NAVD 88)

SITE BENCHMARK #2
BOLT SPIKE IN NORTH SIDE OF UTILITY POLE @ NW CORNER OF SITE 40'± SOUTH OF M-36
ELEVATION = 866.38' (NAVD 88)

SITE BENCHMARK #3
SQUARE ON EAST SIDE OF CONC LIGHT POLE @ WEST SIDE OF SITE.
ELEVATION = 867.59' (NAVD 88)

FLOOD NOTE

SUBJECT PARCEL LIES WITHIN:
SPECIAL FLOOD HAZARD AREA (ZONE AE); BASE FLOOD ELEVATIONS DETERMINED.

OTHER FLOOD AREA (ZONE X): AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

OTHER AREA (ZONE X): AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

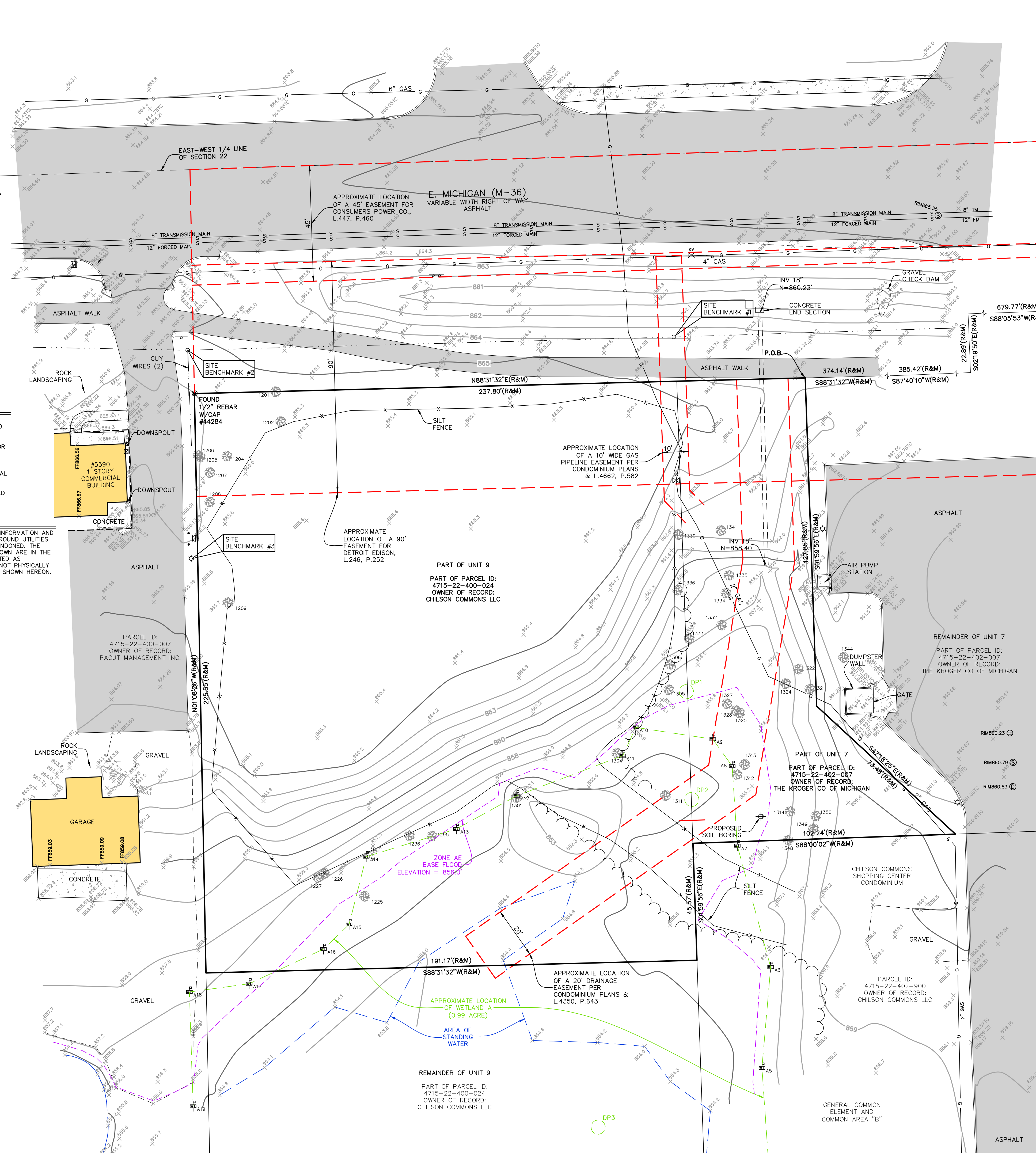
AS SHOWN ON FLOOD INSURANCE RATE MAP: MAP NUMBER 26093C04540, DATED 9/17/2008, PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

SURVEYOR'S NOTE

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

LEGEND

●	FOUND MONUMENT (AS NOTED)
⊕	FOUND SECTION CORNER (AS NOTED)
(R&M)	RECORD AND MEASURED DIMENSION
(R)	RECORD DIMENSION
(M)	MEASURED DIMENSION
0.00	GROUND ELEVATION
⊖	ELECTRIC METER
⊕	UTILITY POLE
⊕	GAS VALVE
⊕	SANITARY MANHOLE
⊕	ROUND CATCH BASIN
⊕	SQUARE CATCH BASIN
⊕	STORM DRAIN MANHOLE
⊕	WELL
⊕	WETLAND FLAG
⊕	BOLLARD
⊕	MAIL BOX
⊕	SINGLE POST SIGN
⊕	DOUBLE POST SIGN
⊕	SOIL BORING
⊕	DECIDUOUS TREE (AS NOTED)
⊕	CONIFEROUS TREE (AS NOTED)
---	PARCEL BOUNDARY LINE
---	PLATTED LOT LINE
---	SECTION LINE
---	CENTERLINE OF EASEMENT
---	BUILDING
---	BUILDING OVERHANG
---	CONCRETE CURB
---	RAISED CONCRETE
---	PARKING
---	EDGE OF CONCRETE (CONC.)
---	EDGE OF ASPHALT (ASPH.)
---	EDGE OF GRAVEL
---	FENCE (AS NOTED)
---	WALL (AS NOTED)
---	TREE / BRUSH LINE (AS NOTED)
---	OVERHEAD UTILITY LINE
G	GAS LINE
S	SANITARY LINE
D	STORM LINE
W	WATER LINE
---	WETLAND LIMITS
---	UNDERGROUND PIPE (AS NOTED)
---	EDGE OF WATER (AS NOTED)
---	FLOOD LINE
---	MINOR CONTOUR LINE
---	MAJOR CONTOUR LINE
---	BUILDING AREA
---	ASPHALT
---	CONCRETE



PROPERTY DESCRIPTION

THE LAND SITUATED IN THE TOWNSHIP OF HAMBURG, COUNTY OF LIVINGSTON, STATE OF MICHIGAN, AND IS DESCRIBED AS FOLLOWS:

RECONFIGURED UNIT 9 DESCRIPTION:
A PARCEL OF LAND BEING PART OF UNIT 9 AND PART OF UNIT 7 OF CHILSON COMMONS SHOPPING CENTER, A CONDOMINIUM, ACCORDING TO THE MASTER DEED RECORDED IN LIBER 4366, PAGE 944, AS AMENDED BY FIRST AMENDMENT TO MASTER DEED RECORDED IN LIBER 4738, PAGE 533, SECOND AMENDMENT TO MASTER DEED RECORDED IN INSTRUMENT NO. 2021R-022074, AS AMENDED AND DESIGNATED AS LIVINGSTON COUNTY CONDOMINIUM SUBDIVISION PLAN NO. 303, TOGETHER WITH RIGHTS IN THE GENERAL COMMON ELEMENTS AND THE LIMITED COMMON ELEMENTS AS SHOWN ON THE MASTER DEED AND AS DESCRIBED IN ACT 59 OF THE PUBLIC ACTS OF 1978, AS AMENDED, DESCRIBED AS FOLLOWS: COMMENCING AT THE EAST 1/4 CORNER OF SECTION 22; THENCE ALONG THE EAST LINE OF SAID SECTION 22, SOUTH 01 DEGREE 08 MINUTES 28 SECONDS EAST, 95.25 FEET TO THE SOUTH LINE OF M-36; THENCE ALONG SAID SOUTH LINE OF M-36 THE FOLLOWING SEVEN (7) COURSES: 1.) 180.08 FEET ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 482.60 FEET AND A CHORD THAT BEARS NORTH 73 DEGREES 10 MINUTES 10 SECONDS WEST, 179.03 FEET; 2.) ALONG A RADIAL LINE SOUTH 06 DEGREES 08 MINUTES 27 SECONDS WEST, 33.00 FEET; 3.) 63.17 FEET ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 449.60 FEET AND A CHORD THAT BEARS NORTH 87 DEGREES 53 MINUTES 03 SECONDS WEST, 63.11 FEET; 4.) SOUTH 88 DEGREES 05 MINUTES 53 SECONDS WEST, 679.77 FEET; 5.) SOUTH 02 DEGREES 19 MINUTES 50 SECONDS EAST, 22.89 FEET; 6.) SOUTH 87 DEGREES 40 MINUTES 10 SECONDS WEST, 385.42 FEET; 7.) SOUTH 88 DEGREES 31 MINUTES 32 SECONDS WEST, 374.14 FEET TO THE POINT-OF-BEGINNING OF THIS PARCEL DESCRIPTION; THENCE SOUTH 01 DEGREE 59 MINUTES 56 SECONDS EAST, 127.85 FEET; THENCE SOUTH 47 DEGREES 18 MINUTES 25 SECONDS EAST, 73.48 FEET TO THE SOUTH LINE OF SAID UNIT 7; THENCE SOUTH 88 DEGREES 00 MINUTES 02 SECONDS WEST, ALONG THE SOUTH LINE OF SAID UNIT 7, 102.24 FEET TO THE EAST LINE OF SAID UNIT 9; THENCE SOUTH 01 DEGREE 59 MINUTES 56 SECONDS EAST, ALONG THE EAST LINE OF SAID UNIT 9, 45.57 FEET; THENCE SOUTH 88 DEGREES 31 MINUTES 32 SECONDS WEST, PARALLEL WITH THE SOUTH LINE OF M-36, 191.17 FEET TO A POINT ON THE WEST LINE OF SAID UNIT 9; THENCE NORTH 01 DEGREE 08 MINUTES 26 SECONDS WEST, ALONG THE WEST LINE OF SAID UNIT 9, 225.55 FEET TO THE SOUTH LINE OF M-36; THENCE NORTH 88 DEGREES 31 MINUTES 32 SECONDS EAST, ALONG THE SOUTH LINE OF M-36, 237.80 FEET TO THE POINT-OF-BEGINNING OF THIS PARCEL DESCRIPTION.

TITLE REPORT NOTE

ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO. 987130, REVISION A, DATED APRIL 28, 2023, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

- POLE LINE PERMIT IN FAVOR OF THE DETROIT EDISON COMPANY AND THE COVENANTS, CONDITIONS AND RESTRICTIONS CONTAINED IN INSTRUMENT RECORDED IN LIBER 246, PAGE 252. (AS SHOWN)
- RIGHT OF WAY IN FAVOR OF THE CONSUMERS POWER COMPANY AND THE COVENANTS, CONDITIONS AND RESTRICTIONS CONTAINED IN INSTRUMENT RECORDED IN LIBER 447, PAGE 460. (AS SHOWN)
- TERMS AND CONDITIONS CONTAINED IN HARDSHIP PLANNED UNIT DEVELOPMENT AGREEMENT AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 4350, PAGE 643. (AS SHOWN)
- FIRST AMENDMENT TO HARDSHIP PLANNED UNIT DEVELOPMENT AGREEMENT RECORDED IN INSTRUMENT NO. 2011R-000962. (SEE DOCUMENT FOR TERMS AND CONDITIONS)
- SECOND AMENDED AND FULLY RESTATED HARDSHIP PLANNED UNIT DEVELOPMENT AGREEMENT RECORDED IN INSTRUMENT NO. 2021R-017179. (SEE DOCUMENT FOR TERMS AND CONDITIONS)
- FIRST AMENDMENT TO SECOND AMENDED AND FULLY RESTATED HARDSHIP PLANNED UNIT DEVELOPMENT AGREEMENT RECORDED IN INSTRUMENT NO. 2022R-022070. (SEE DOCUMENT FOR TERMS AND CONDITIONS)
- THE RIGHTS OF CO-OWNERS AND THE ADMINISTERING BODY AS SET FORTH IN THE MASTER DEED AND ACT 59 OF THE PUBLIC ACTS OF 1978 AS AMENDED, THE RIGHTS OF CO-OWNERS AND THE ADMINISTERING BODY, EASEMENTS, RESTRICTIONS AND OTHER TERMS, COVENANTS AND CONDITIONS SET FORTH IN THE MASTER DEED AND EXHIBITS THERETO RECORDED IN LIBER 4366, PAGE 944, LIVINGSTON COUNTY RECORDS, AND ANY AMENDMENTS THERETO. (DOES NOT INCLUDE UNIT 9; SEE DOCUMENT FOR TERMS AND CONDITIONS)
- FIRST AMENDMENT TO MASTER DEED RECORDED IN LIBER 4738, PAGE 533. (DOES NOT INCLUDE UNIT 9; SEE DOCUMENT FOR TERMS AND CONDITIONS)
- SECOND AMENDMENT TO MASTER DEED RECORDED IN INSTRUMENT NO. 2011R-000963. (DOES NOT INCLUDE UNIT 9; SEE DOCUMENT FOR TERMS AND CONDITIONS)
- THIRD AMENDMENT TO MASTER DEED RECORDED IN INSTRUMENT NO. 2022R-022074. (AS SHOWN)
- TERMS AND CONDITIONS CONTAINED IN AGREEMENT FOR SEWER CONNECTION AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 4570, PAGE 13. (SEWER AGREEMENT DOES NOT INCLUDE UNIT 9; SEE DOCUMENT FOR TERMS AND CONDITIONS)
- TERMS AND CONDITIONS CONTAINED IN EASEMENT FOR GAS PIPELINE AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 4662, PAGE 582. (AS SHOWN)
- DETROIT EDISON UNDERGROUND RESIDENTIAL DISTRIBUTION EASEMENT (RIGHT OF WAY) IN FAVOR OF THE DETROIT EDISON COMPANY AND SBC COMMUNICATIONS, INC., FORMERLY AMERITECH, FORMERLY MICHIGAN BELL TELEPHONE COMPANY AND THE COVENANTS, CONDITIONS AND RESTRICTIONS CONTAINED IN INSTRUMENT RECORDED IN LIBER 4746, PAGE 876. (DOES NOT CROSS NOR ABUT SUBJECT PARCEL)
- TERMS AND CONDITIONS CONTAINED IN EASEMENT DEED BY COURT ORDER IN SETTLEMENT OF LANDOWNER ACTION AS DISCLOSED BY INSTRUMENT RECORDED IN INSTRUMENT NO. 2013R-008991. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

AFFIDAVIT OF JOSEPH E. JONES RECORDED IN INSTRUMENT NO. 2013R-008992. (DOES NOT AFFECT SUBJECT PARCEL; SEE DOCUMENT FOR TERMS AND CONDITIONS)

PARTIAL QUITCLAIM RELEASE RECORDED IN INSTRUMENT NO. 2015R-028186. (SEE DOCUMENT FOR TERMS AND CONDITIONS)

26. DETROIT EDISON UNDERGROUND EASEMENT (RIGHT OF WAY) IN FAVOR OF THE DETROIT EDISON COMPANY AND THE COVENANTS, CONDITIONS AND RESTRICTIONS CONTAINED IN INSTRUMENT RECORDED IN INSTRUMENT NO. 2011R-019561, AS TO UNIT 7. (DOES NOT CROSS NOR ABUT SUBJECT PARCEL)

SURVEYOR'S CERTIFICATION

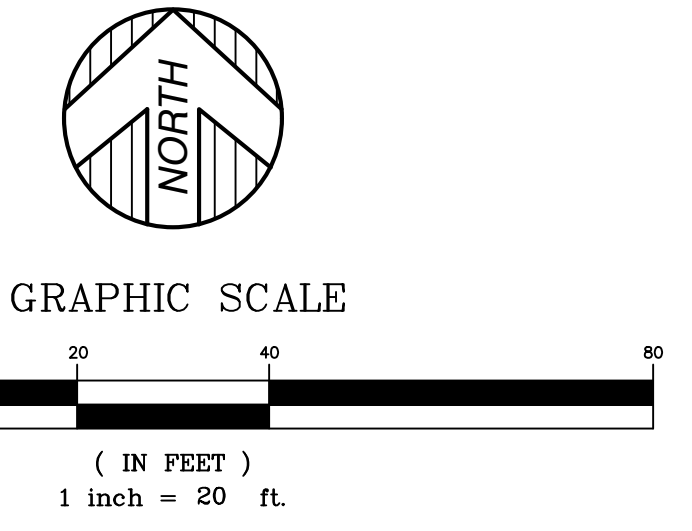
TO EROP LLC, AN ILLINOIS LIMITED LIABILITY COMPANY AND FIRST AMERICAN TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 4, 5, 7A, 8, 9, 11A, AND 11B OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON 05/03/23.

DATE OF PLAT OR MAP: 05/10/23

DRAFT

ANTHONY T. SYKOK, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
TSykok@kemtec-survey.com



KEM-TEC
A GROUP OF COMPANIES
PROFESSIONAL ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

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Ann Arbor, MI 48106
Detroit, MI 48226
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(734) 994-0888
(800) 255-7222
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ALTA / NSPS LAND TITLE SURVEY

PREPARED FOR: STONEFIELD ENGINEERING AND DESIGN
M-36, HAMBURG TWP., MICHIGAN,
PART OF SECTION 22,
TOWN 1 NORTH, RANGE 5 EAST

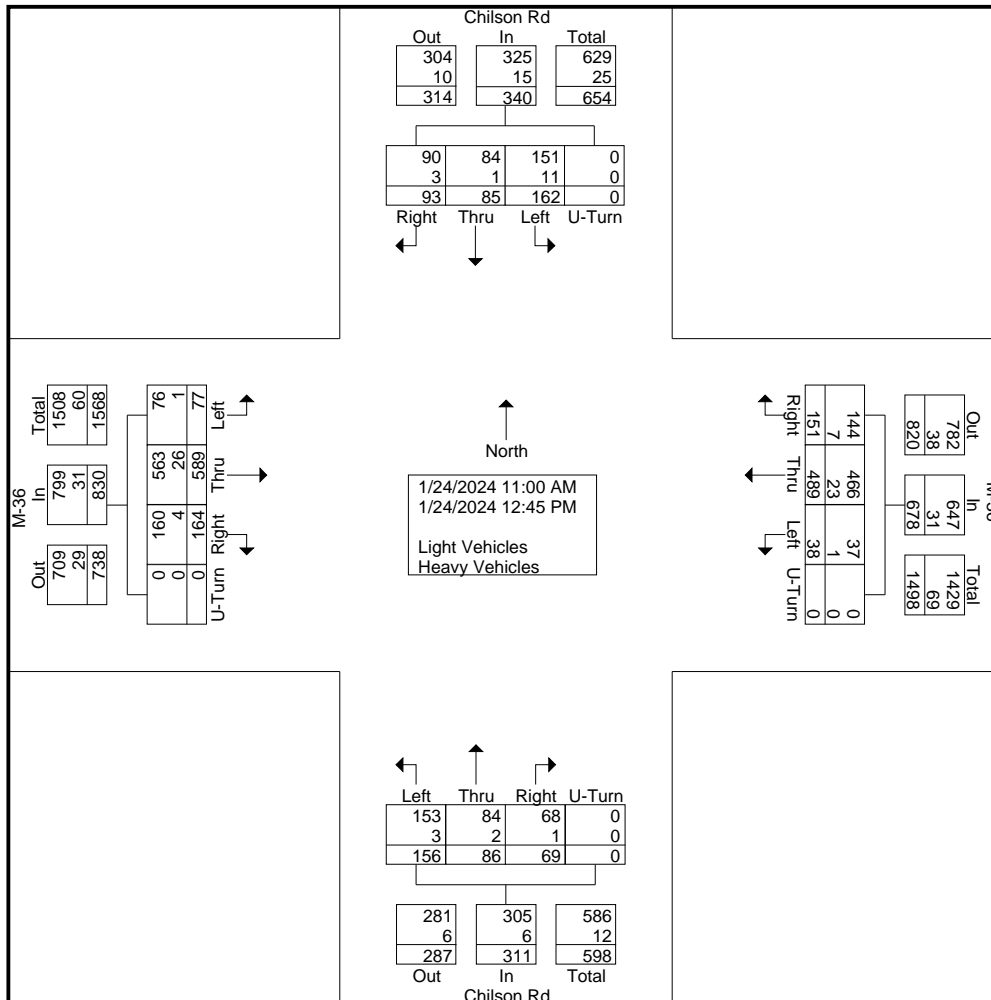
NO.	REVISION	DATE	BY	DESCRIPTION
1	05/11/23	JV	BY	RECEIVED TITLE WORK



TRUE DATA TO IMPROVE MOBILITY

Groups Printed- Light Vehicles - Heavy Vehicles

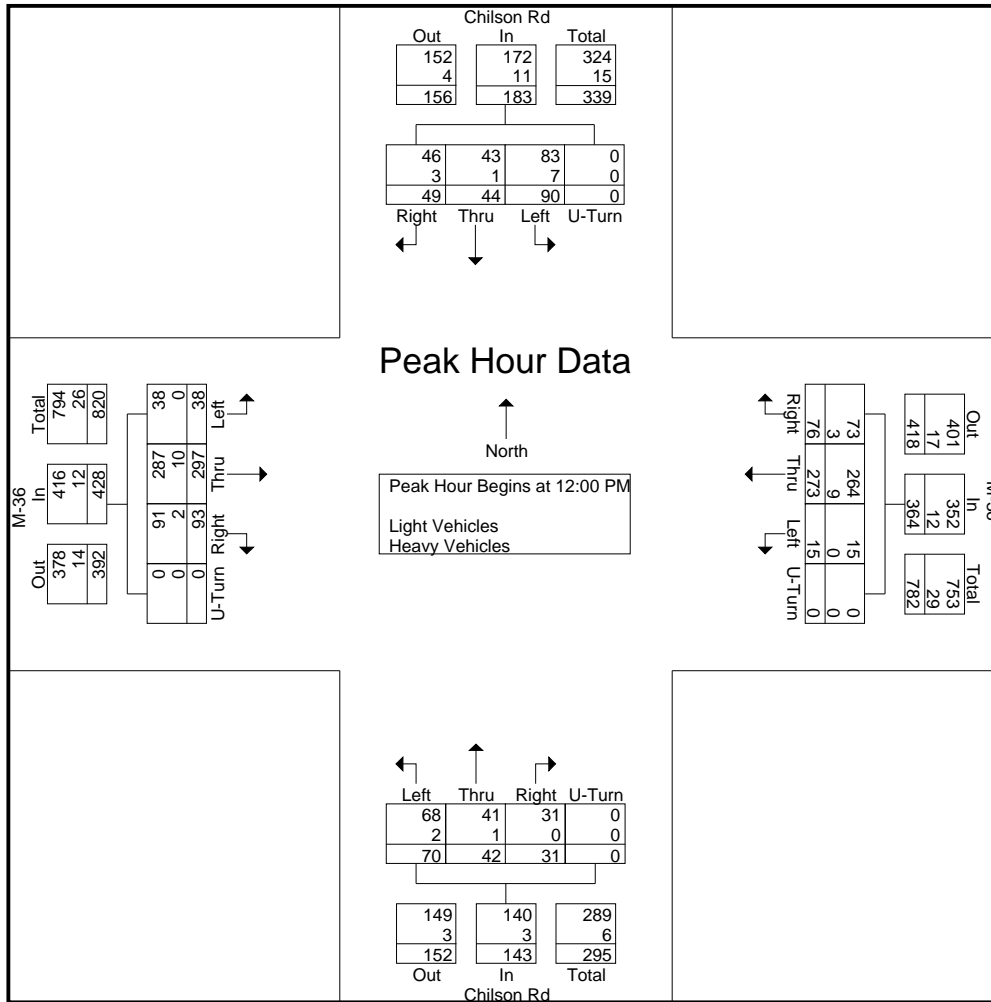
Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
11:00 AM	9	68	10	0	87	5	54	23	0	82	27	9	11	0	47	18	12	10	0	40	256
11:15 AM	11	73	20	0	104	5	44	13	0	62	23	10	9	0	42	12	15	11	0	38	246
11:30 AM	8	80	19	0	107	4	50	17	0	71	14	17	7	0	38	21	8	13	0	42	258
11:45 AM	11	71	22	0	104	9	68	22	0	99	22	8	11	0	41	21	6	10	0	37	281
Total	39	292	71	0	402	23	216	75	0	314	86	44	38	0	168	72	41	44	0	157	1041
12:00 PM	12	62	17	0	91	5	68	19	0	92	14	11	12	0	37	26	12	10	0	48	268
12:15 PM	6	69	27	0	102	4	62	21	0	87	20	12	7	0	39	22	9	15	0	46	274
12:30 PM	6	81	23	0	110	4	75	20	0	99	18	11	7	0	36	21	10	10	0	41	286
12:45 PM	14	85	26	0	125	2	68	16	0	86	18	8	5	0	31	21	13	14	0	48	290
Total	38	297	93	0	428	15	273	76	0	364	70	42	31	0	143	90	44	49	0	183	1118
Grand Total	77	589	164	0	830	38	489	151	0	678	156	86	69	0	311	162	85	93	0	340	2159
Apprch %	9.3	71	19.8	0		5.6	72.1	22.3	0		50.2	27.7	22.2	0		47.6	25	27.4	0		
Total %	3.6	27.3	7.6	0	38.4	1.8	22.6	7	0	31.4	7.2	4	3.2	0	14.4	7.5	3.9	4.3	0	15.7	
Light Vehicles	76	563	160	0	799	37	466	144	0	647	153	84	68	0	305	151	84	90	0	325	2076
% Light Vehicles	98.7	95.6	97.6	0	96.3	97.4	95.3	95.4	0	95.4	98.1	97.7	98.6	0	98.1	93.2	98.8	96.8	0	95.6	96.2
Heavy Vehicles	1	26	4	0	31	1	23	7	0	31	3	2	1	0	6	11	1	3	0	15	83
% Heavy Vehicles	1.3	4.4	2.4	0	3.7	2.6	4.7	4.6	0	4.6	1.9	2.3	1.4	0	1.9	6.8	1.2	3.2	0	4.4	3.8





TRUE DATA TO IMPROVE MOBILITY

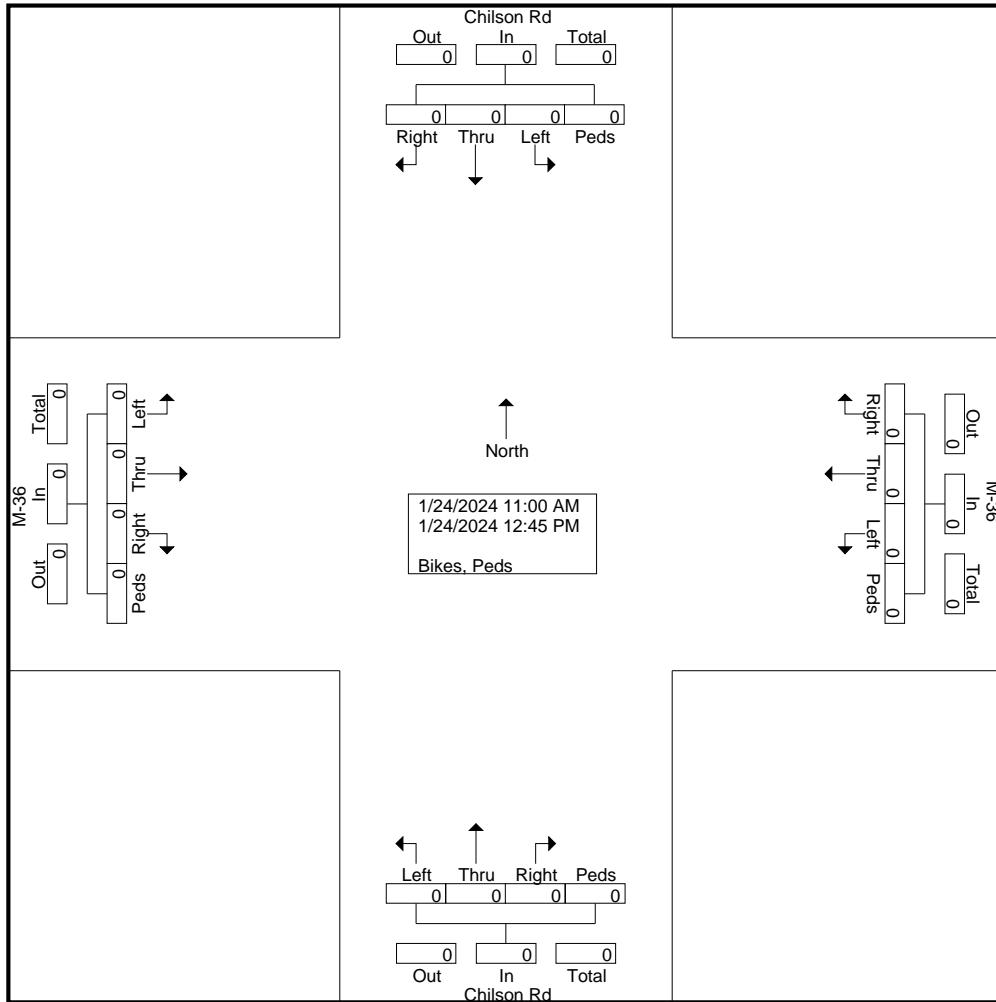
Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	12	62	17	0	91	5	68	19	0	92	14	11	12	0	37	26	12	10	0	48	268
12:15 PM	6	69	27	0	102	4	62	21	0	87	20	12	7	0	39	22	9	15	0	46	274
12:30 PM	6	81	23	0	110	4	75	20	0	99	18	11	7	0	36	21	10	10	0	41	286
12:45 PM	14	85	26	0	125	2	68	16	0	86	18	8	5	0	31	21	13	14	0	48	290
Total Volume	38	297	93	0	428	15	273	76	0	364	70	42	31	0	143	90	44	49	0	183	1118
% App. Total	8.9	69.4	21.7	0		4.1	75	20.9	0		49	29.4	21.7	0		49.2	24	26.8	0		
PHF	.679	.874	.861	.000	.856	.750	.910	.905	.000	.919	.875	.875	.646	.000	.917	.865	.846	.817	.000	.953	.964
Light Vehicles	38	287	91	0	416	15	264	73	0	352	68	41	31	0	140	83	43	46	0	172	1080
% Light Vehicles	100	96.6	97.8	0	97.2	100	96.7	96.1	0	96.7	97.1	97.6	100	0	97.9	92.2	97.7	93.9	0	94.0	96.6
Heavy Vehicles	0	10	2	0	12	0	9	3	0	12	2	1	0	0	3	7	1	3	0	11	38
% Heavy Vehicles	0	3.4	2.2	0	2.8	0	3.3	3.9	0	3.3	2.9	2.4	0	0	2.1	7.8	2.3	6.1	0	6.0	3.4





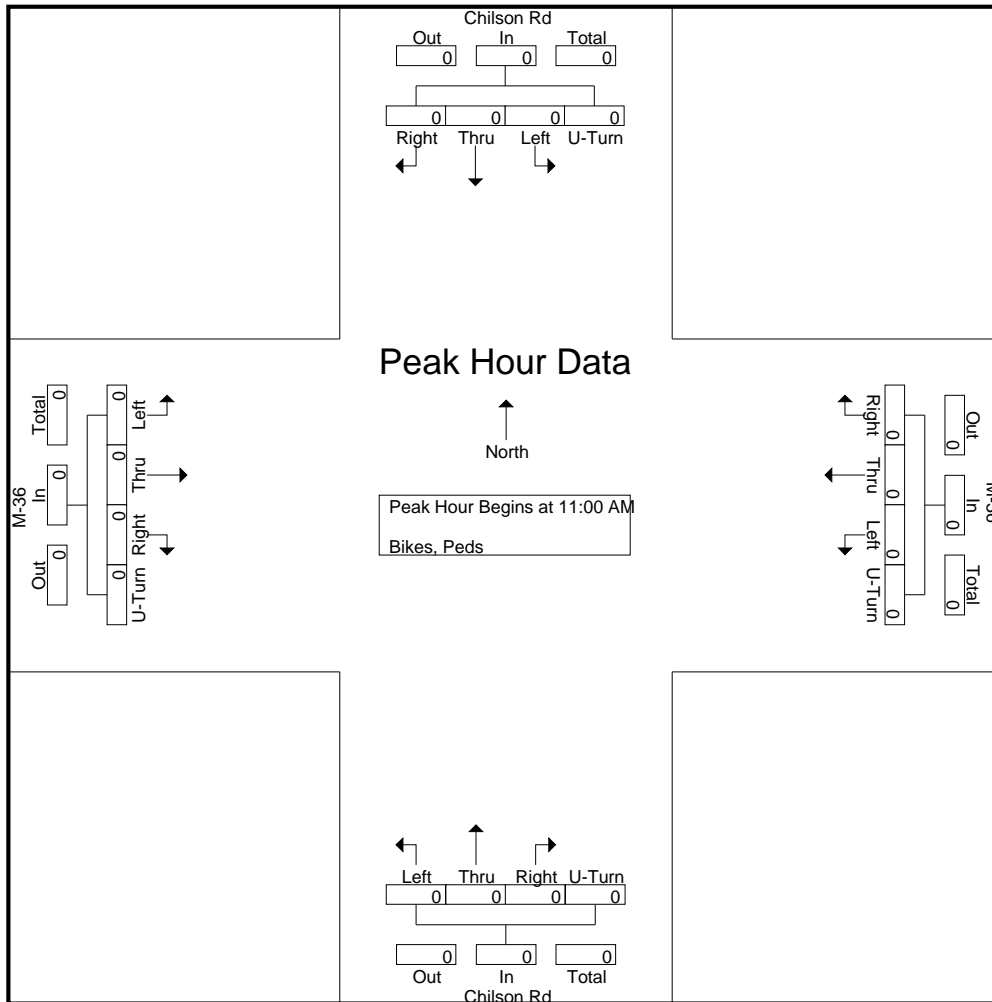
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total						
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
Total %																										





Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 11:00 AM																						
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

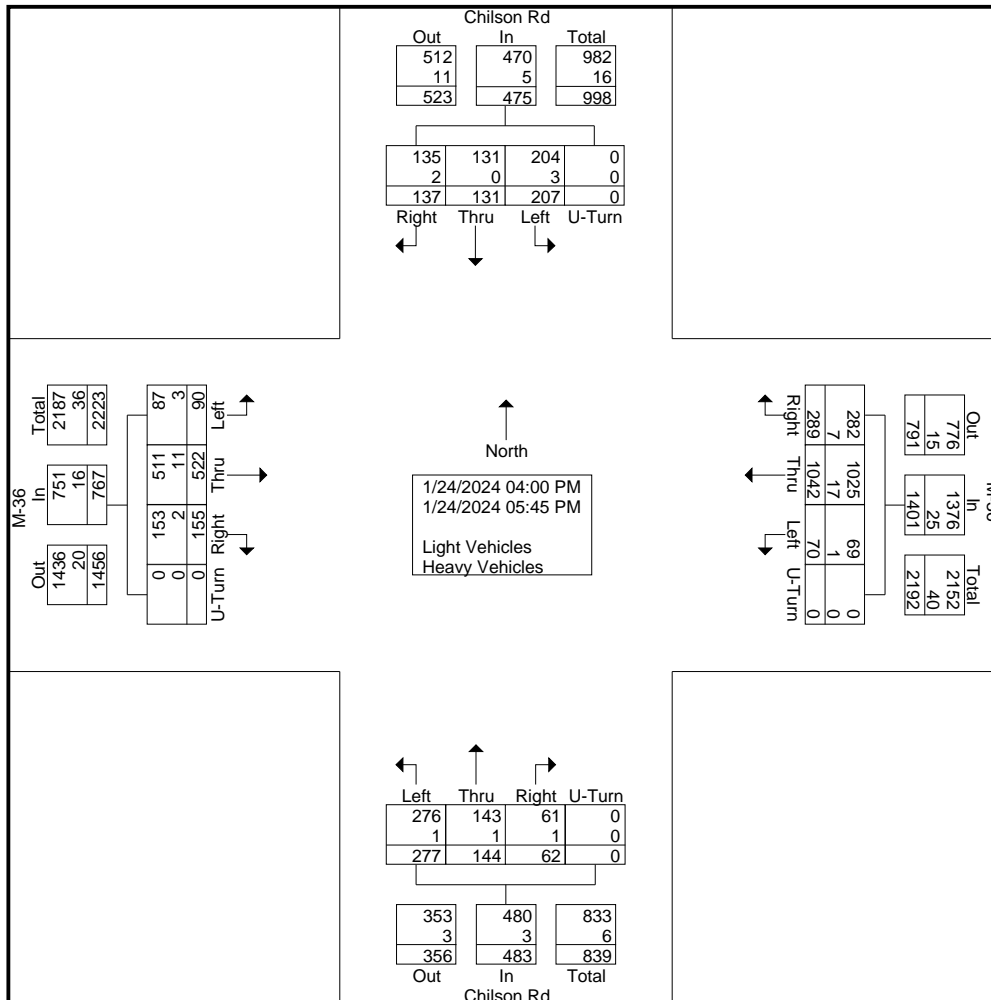




TRUE DATA TO IMPROVE MOBILITY

Groups Printed- Light Vehicles - Heavy Vehicles

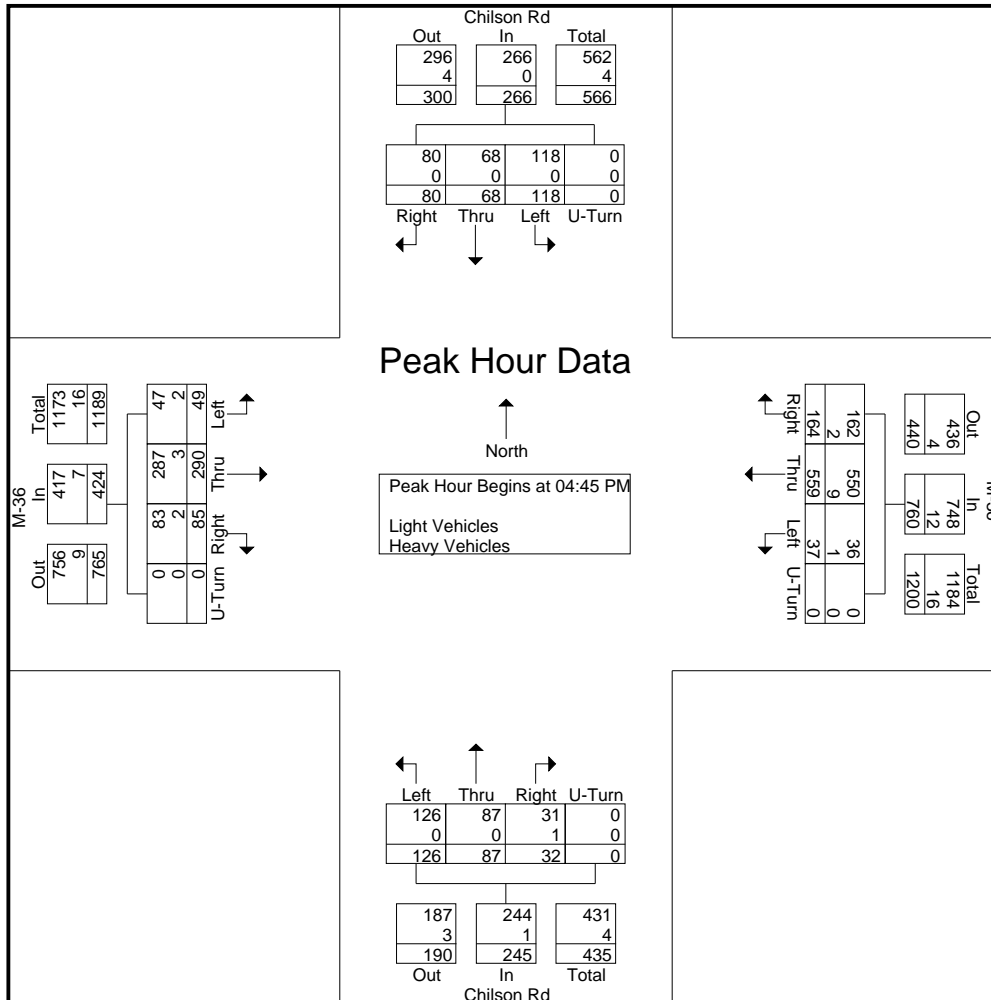
Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	14	56	15	0	85	12	121	22	0	155	40	18	8	0	66	24	20	15	0	59	365
04:15 PM	5	60	20	0	85	7	122	28	0	157	34	13	6	0	53	17	17	14	0	48	343
04:30 PM	11	64	18	0	93	9	125	33	0	167	33	11	6	0	50	25	19	9	0	53	363
04:45 PM	12	76	19	0	107	8	122	40	0	170	35	27	7	0	69	33	19	17	0	69	415
Total	42	256	72	0	370	36	490	123	0	649	142	69	27	0	238	99	75	55	0	229	1486
05:00 PM	8	82	21	0	111	9	152	45	0	206	25	15	9	0	49	20	17	18	0	55	421
05:15 PM	10	67	21	0	98	13	147	49	0	209	27	25	10	0	62	30	17	27	0	74	443
05:30 PM	19	65	24	0	108	7	138	30	0	175	39	20	6	0	65	35	15	18	0	68	416
05:45 PM	11	52	17	0	80	5	115	42	0	162	44	15	10	0	69	23	7	19	0	49	360
Total	48	266	83	0	397	34	552	166	0	752	135	75	35	0	245	108	56	82	0	246	1640
Grand Total	90	522	155	0	767	70	1042	289	0	1401	277	144	62	0	483	207	131	137	0	475	3126
Apprch %	11.7	68.1	20.2	0		5	74.4	20.6	0		57.3	29.8	12.8	0		43.6	27.6	28.8	0		
Total %	2.9	16.7	5	0	24.5	2.2	33.3	9.2	0	44.8	8.9	4.6	2	0	15.5	6.6	4.2	4.4	0	15.2	
Light Vehicles	87	511	153	0	751	69	1025	282	0	1376	276	143	61	0	480	204	131	135	0	470	3077
% Light Vehicles	96.7	97.9	98.7	0	97.9	98.6	98.4	97.6	0	98.2	99.6	99.3	98.4	0	99.4	98.6	100	98.5	0	98.9	98.4
Heavy Vehicles	3	11	2	0	16	1	17	7	0	25	1	1	1	0	3	3	0	2	0	5	49
% Heavy Vehicles	3.3	2.1	1.3	0	2.1	1.4	1.6	2.4	0	1.8	0.4	0.7	1.6	0	0.6	1.4	0	1.5	0	1.1	1.6





TRUE DATA TO IMPROVE MOBILITY

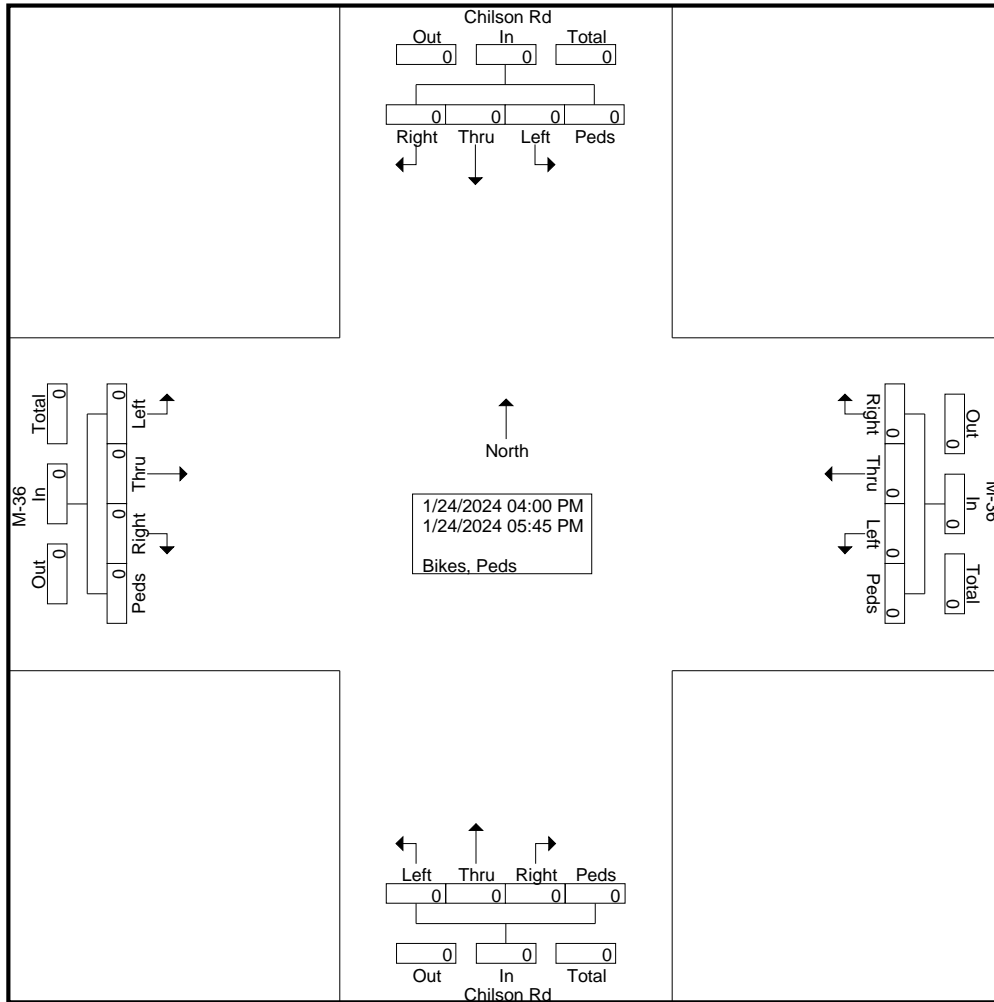
Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	12	76	19	0	107	8	122	40	0	170	35	27	7	0	69	33	19	17	0	69	415
05:00 PM	8	82	21	0	111	9	152	45	0	206	25	15	9	0	49	20	17	18	0	55	421
05:15 PM	10	67	21	0	98	13	147	49	0	209	27	25	10	0	62	30	17	27	0	74	443
05:30 PM	19	65	24	0	108	7	138	30	0	175	39	20	6	0	65	35	15	18	0	68	416
Total Volume	49	290	85	0	424	37	559	164	0	760	126	87	32	0	245	118	68	80	0	266	1695
% App. Total	11.6	68.4	20	0		4.9	73.6	21.6	0		51.4	35.5	13.1	0		44.4	25.6	30.1	0		
PHF	.645	.884	.885	.000	.955	.712	.919	.837	.000	.909	.808	.806	.800	.000	.888	.843	.895	.741	.000	.899	.957
Light Vehicles	47	287	83	0	417	36	550	162	0	748	126	87	31	0	244	118	68	80	0	266	1675
% Light Vehicles	95.9	99.0	97.6	0	98.3	97.3	98.4	98.8	0	98.4	100	100	96.9	0	99.6	100	100	100	0	100	98.8
Heavy Vehicles	2	3	2	0	7	1	9	2	0	12	0	0	1	0	1	0	0	0	0	0	20
% Heavy Vehicles	4.1	1.0	2.4	0	1.7	2.7	1.6	1.2	0	1.6	0	0	3.1	0	0.4	0	0	0	0	0	1.2





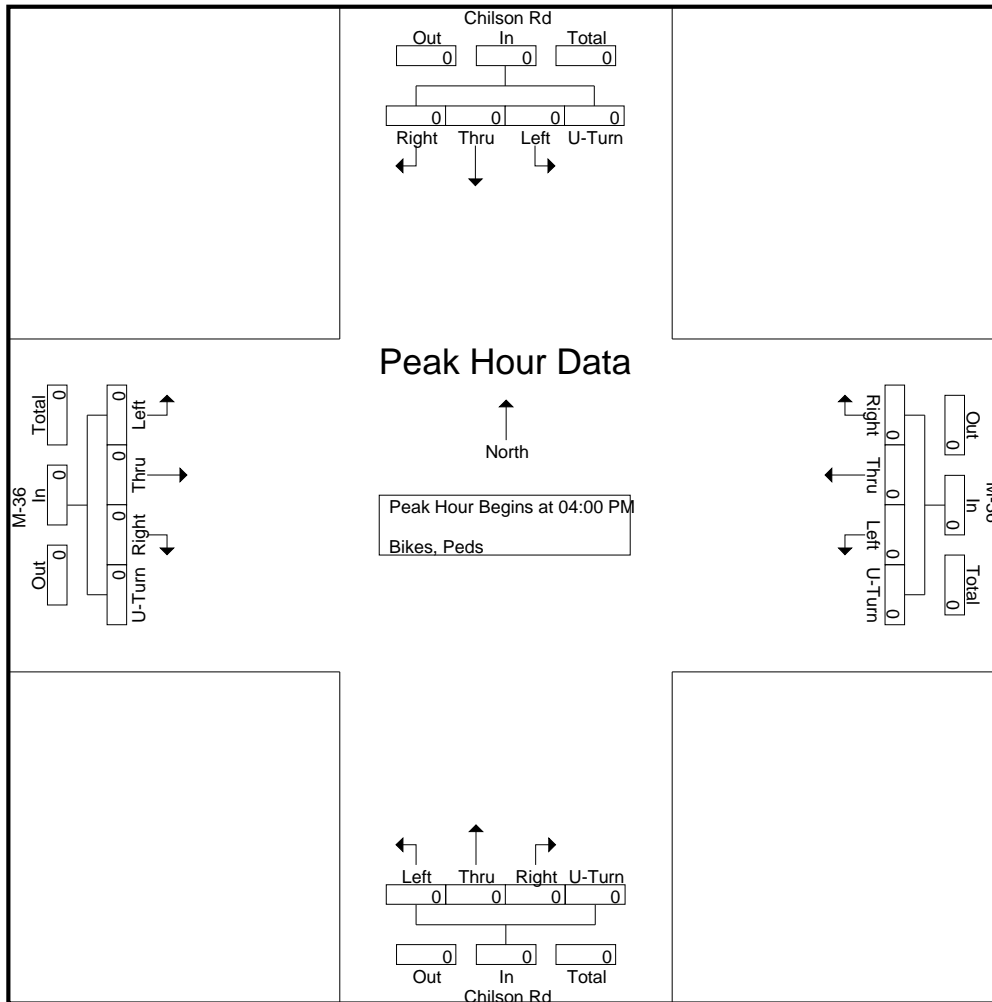
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total				
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total					
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	
Total %																									





Start Time	M-36 Eastbound					M-36 Westbound					Chilson Rd Northbound					Chilson Rd Southbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:00 PM																						
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

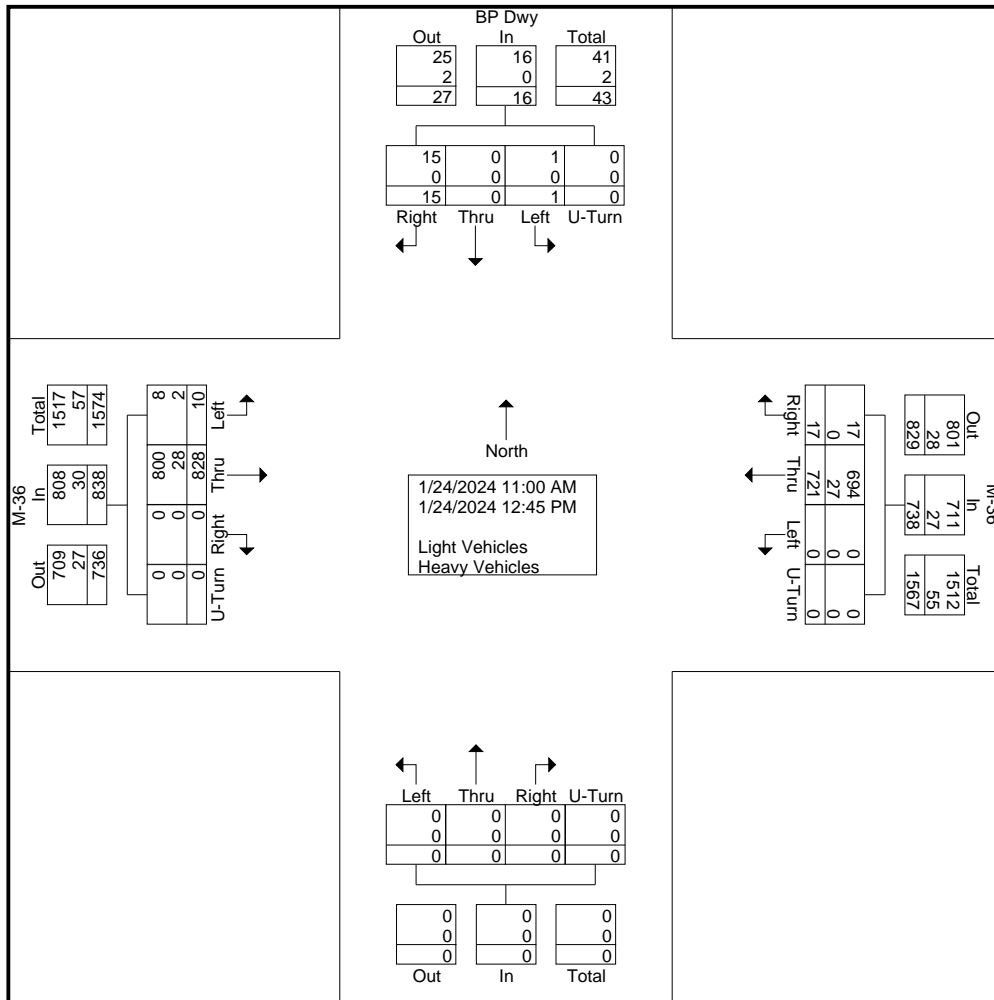




TRUE DATA TO IMPROVE MOBILITY

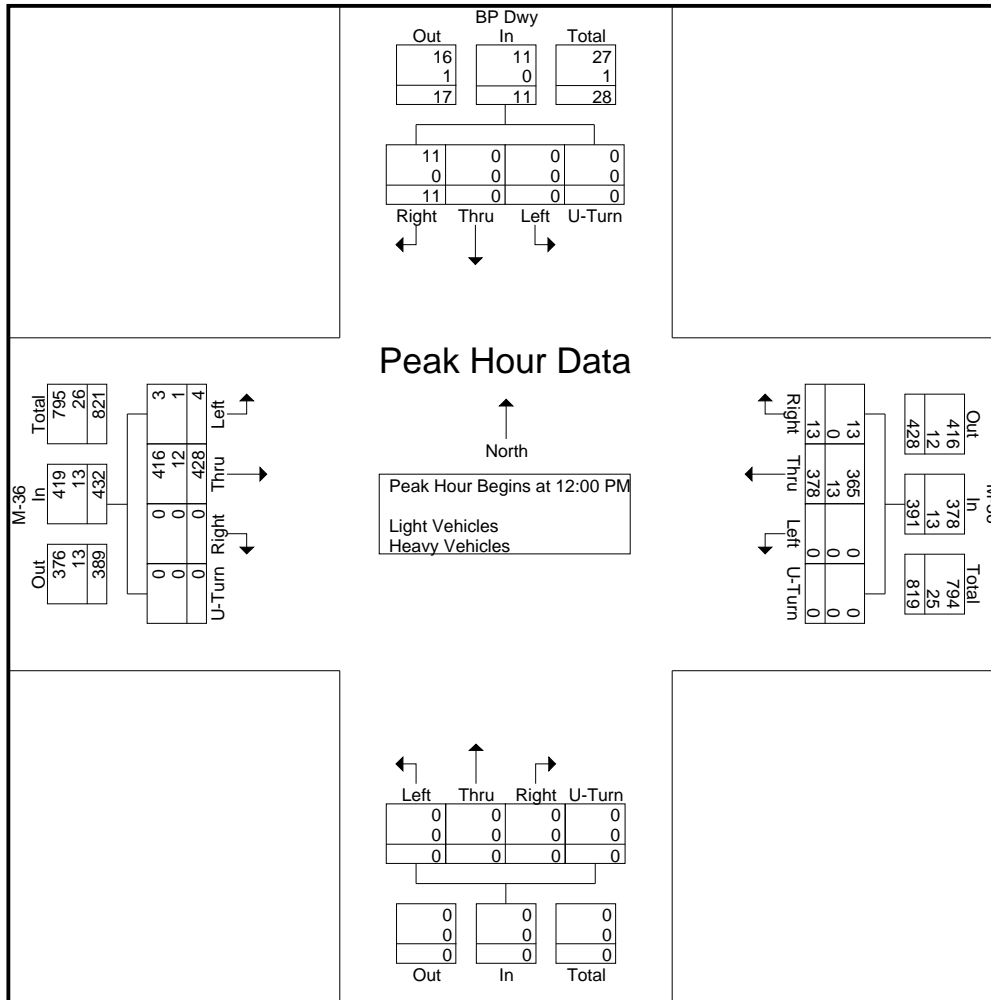
Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
11:00 AM	1	87	0	0	88	0	89	2	0	91	0	0	0	0	0	0	0	0	0	0	179
11:15 AM	2	103	0	0	105	0	77	1	0	78	0	0	0	0	0	1	0	1	0	2	185
11:30 AM	1	107	0	0	108	0	76	1	0	77	0	0	0	0	0	0	0	3	0	3	188
11:45 AM	2	103	0	0	105	0	101	0	0	101	0	0	0	0	0	0	0	0	0	0	206
Total	6	400	0	0	406	0	343	4	0	347	0	0	0	0	0	1	0	4	0	5	758
12:00 PM	1	93	0	0	94	0	89	3	0	92	0	0	0	0	0	0	0	1	0	1	187
12:15 PM	2	102	0	0	104	0	95	2	0	97	0	0	0	0	0	0	0	3	0	3	204
12:30 PM	0	112	0	0	112	0	97	5	0	102	0	0	0	0	0	0	0	2	0	2	216
12:45 PM	1	121	0	0	122	0	97	3	0	100	0	0	0	0	0	0	0	5	0	5	227
Total	4	428	0	0	432	0	378	13	0	391	0	0	0	0	0	0	0	11	0	11	834
Grand Total	10	828	0	0	838	0	721	17	0	738	0	0	0	0	0	1	0	15	0	16	1592
Apprch %	1.2	98.8	0	0		0	97.7	2.3	0		0	0	0	0		6.2	0	93.8	0		
Total %	0.6	52	0	0	52.6	0	45.3	1.1	0	46.4	0	0	0	0	0	0.1	0	0.9	0	1	
Light Vehicles	8	800	0	0	808	0	694	17	0	711	0	0	0	0	0	1	0	15	0	16	1535
% Light Vehicles	80	96.6	0	0	96.4	0	96.3	100	0	96.3	0	0	0	0	0	100	0	100	0	100	96.4
Heavy Vehicles	2	28	0	0	30	0	27	0	0	27	0	0	0	0	0	0	0	0	0	0	57
% Heavy Vehicles	20	3.4	0	0	3.6	0	3.7	0	0	3.7	0	0	0	0	0	0	0	0	0	0	3.6





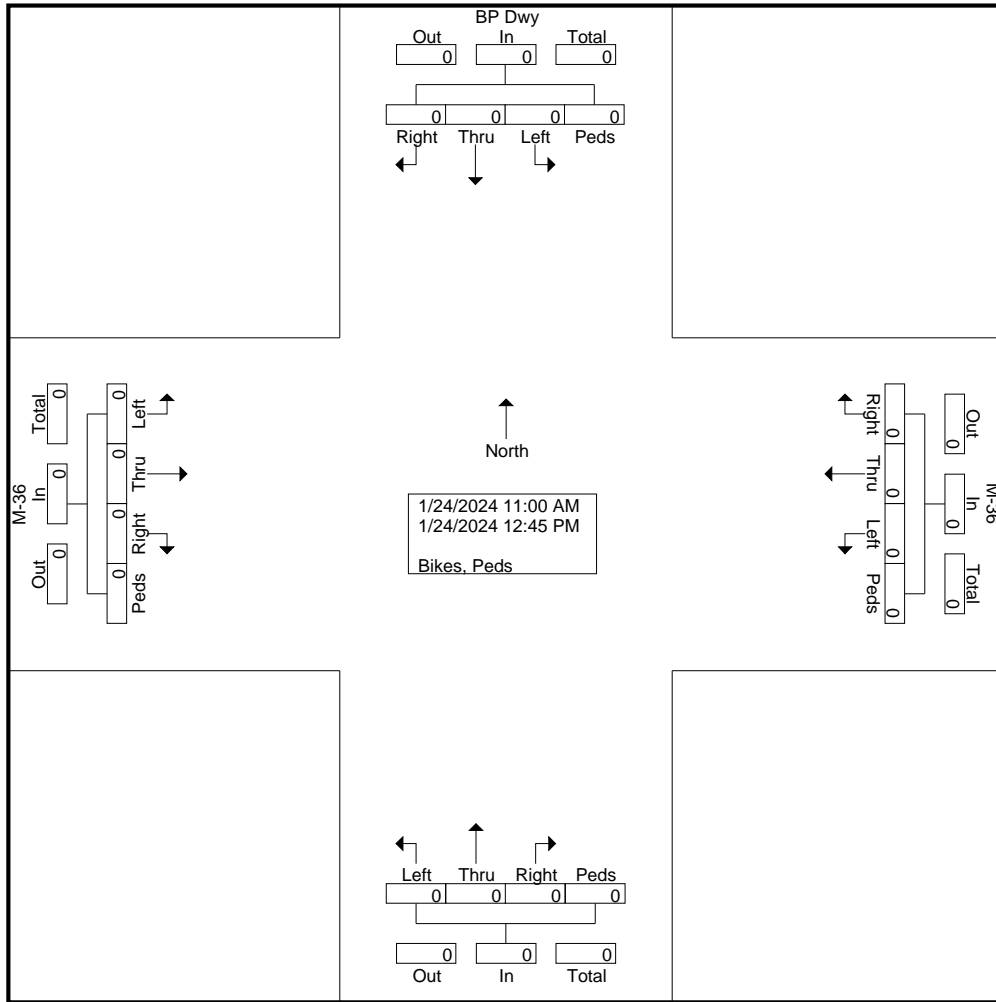
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	1	93	0	0	94	0	89	3	0	92	0	0	0	0	0	0	0	1	0	1	187
12:15 PM	2	102	0	0	104	0	95	2	0	97	0	0	0	0	0	0	0	3	0	3	204
12:30 PM	0	112	0	0	112	0	97	5	0	102	0	0	0	0	0	0	0	2	0	2	216
12:45 PM	1	121	0	0	122	0	97	3	0	100	0	0	0	0	0	0	0	5	0	5	227
Total Volume	4	428	0	0	432	0	378	13	0	391	0	0	0	0	0	0	0	11	0	11	834
% App. Total	0.9	99.1	0	0		0	96.7	3.3	0		0	0	0	0		0	0	100	0		
PHF	.500	.884	.000	.000	.885	.000	.974	.650	.000	.958	.000	.000	.000	.000	.000	.000	.000	.550	.000	.550	.919
Light Vehicles	3	416	0	0	419	0	365	13	0	378	0	0	0	0	0	0	0	11	0	11	808
% Light Vehicles	75.0	97.2	0	0	97.0	0	96.6	100	0	96.7	0	0	0	0	0	0	0	100	0	100	96.9
Heavy Vehicles	1	12	0	0	13	0	13	0	0	13	0	0	0	0	0	0	0	0	0	0	26
% Heavy Vehicles	25.0	2.8	0	0	3.0	0	3.4	0	0	3.3	0	0	0	0	0	0	0	0	0	0	3.1





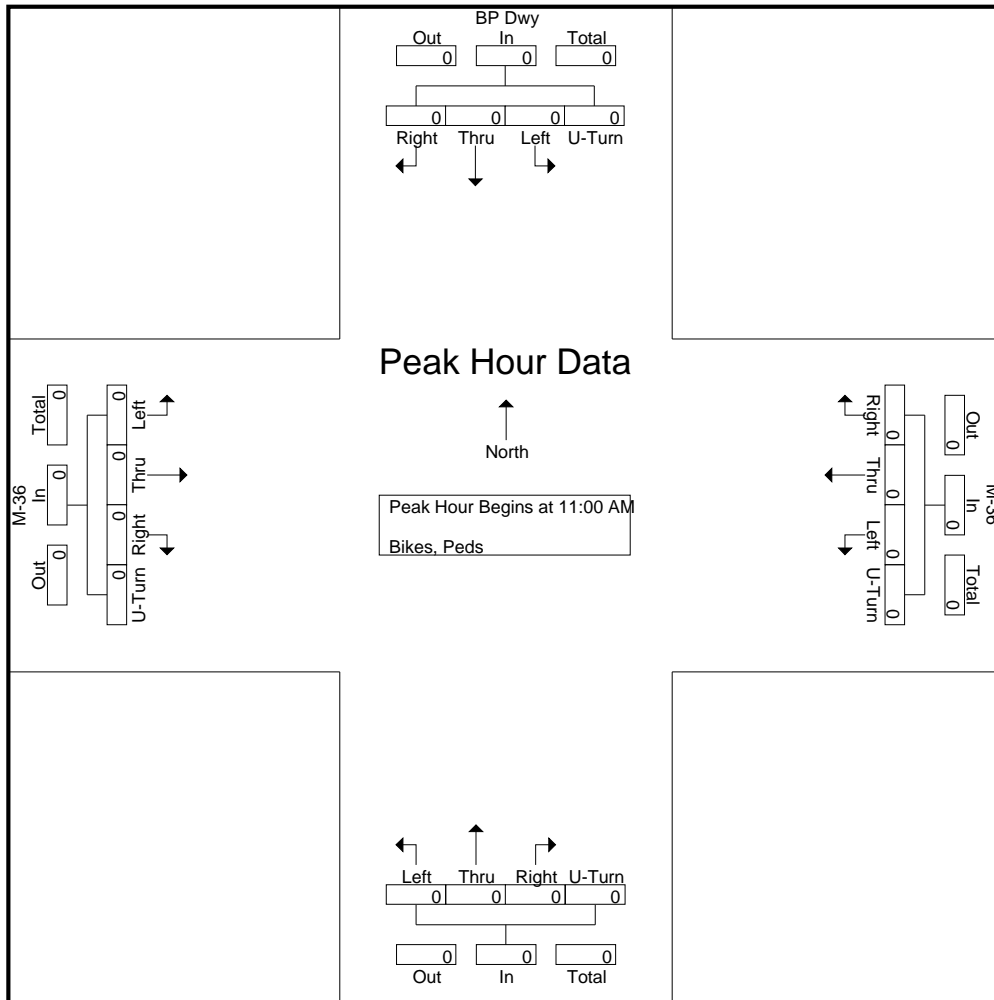
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
Total %																					





Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

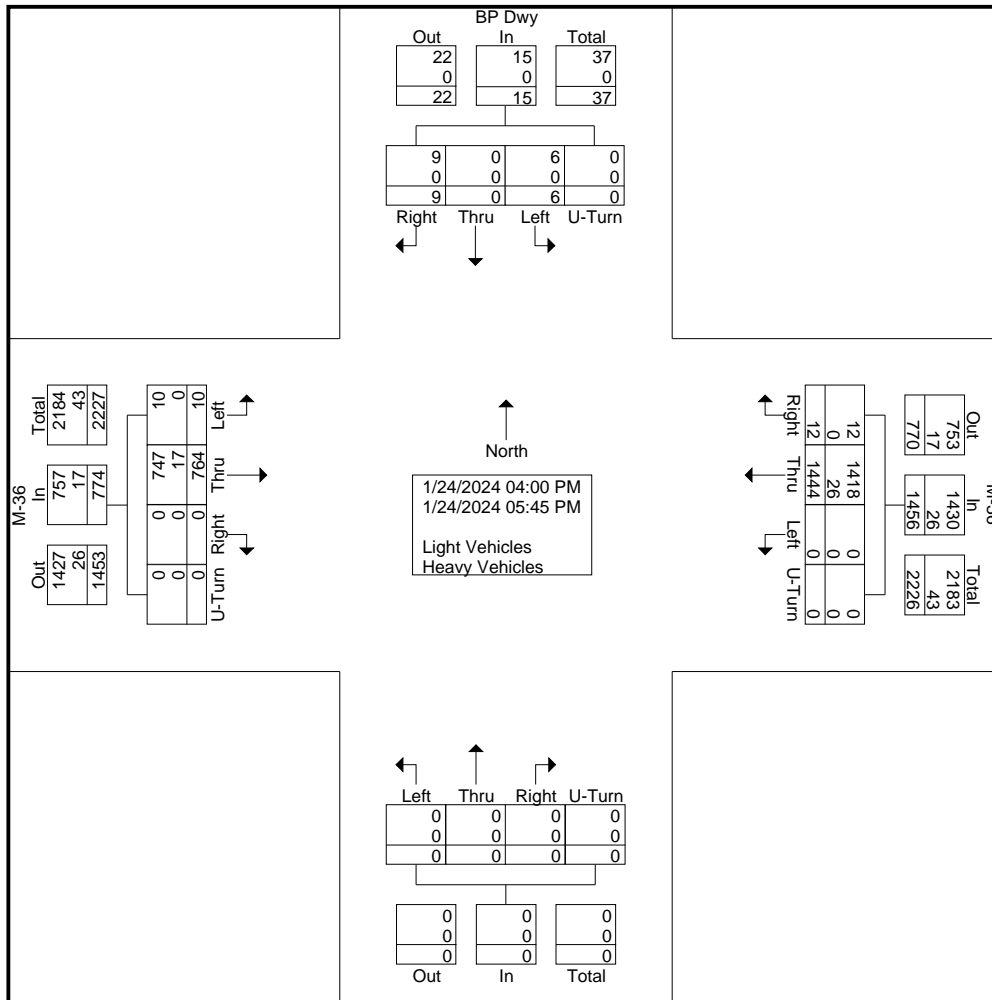




TRUE DATA TO IMPROVE MOBILITY

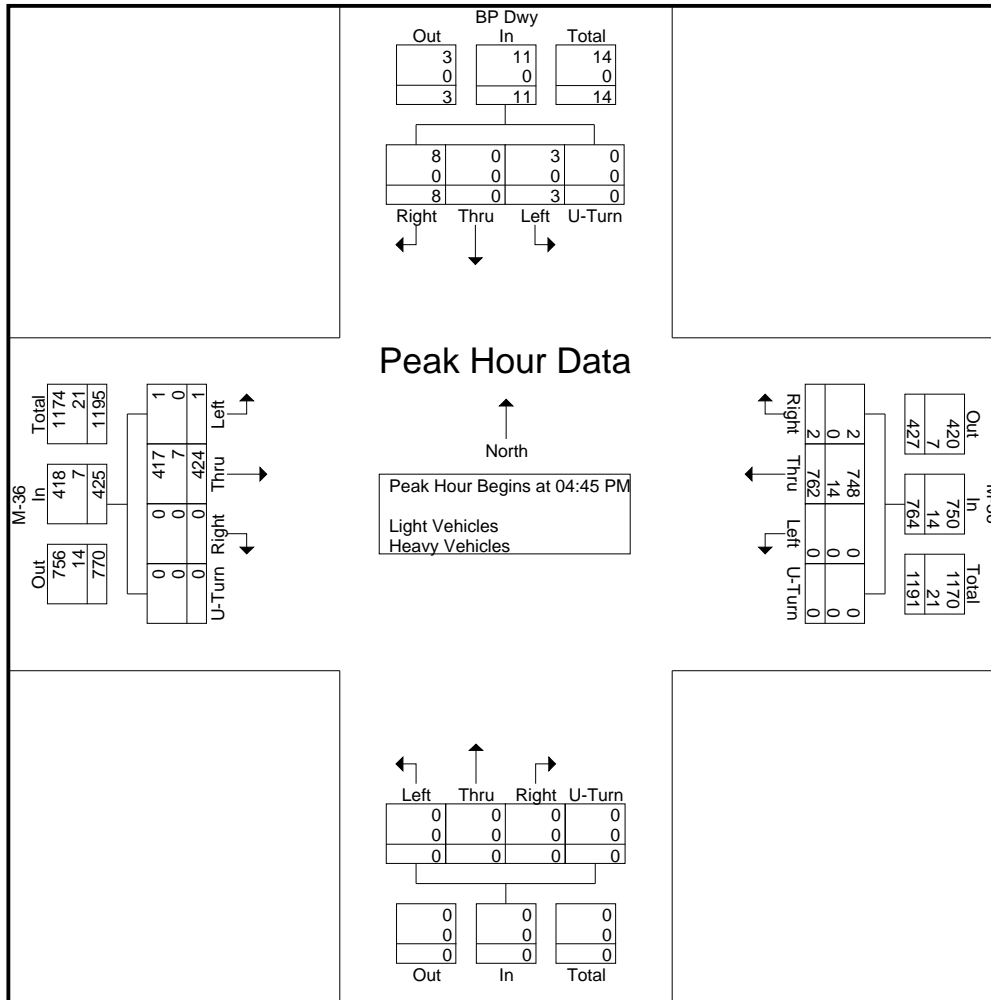
Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	2	82	0	0	84	0	172	4	0	176	0	0	0	0	0	1	0	0	0	1	261
04:15 PM	3	86	0	0	89	0	166	3	0	169	0	0	0	0	0	1	0	1	0	2	260
04:30 PM	3	90	0	0	93	0	167	1	0	168	0	0	0	0	0	1	0	0	0	1	262
04:45 PM	0	107	0	0	107	0	173	0	0	173	0	0	0	0	0	1	0	1	0	2	282
Total	8	365	0	0	373	0	678	8	0	686	0	0	0	0	0	4	0	2	0	6	1065
05:00 PM	0	111	0	0	111	0	194	0	0	194	0	0	0	0	0	0	0	2	0	2	307
05:15 PM	1	97	0	0	98	0	200	2	0	202	0	0	0	0	0	2	0	2	0	4	304
05:30 PM	0	109	0	0	109	0	195	0	0	195	0	0	0	0	0	0	0	3	0	3	307
05:45 PM	1	82	0	0	83	0	177	2	0	179	0	0	0	0	0	0	0	0	0	0	262
Total	2	399	0	0	401	0	766	4	0	770	0	0	0	0	0	2	0	7	0	9	1180
Grand Total	10	764	0	0	774	0	1444	12	0	1456	0	0	0	0	0	6	0	9	0	15	2245
Apprch %	1.3	98.7	0	0		0	99.2	0.8	0		0	0	0	0		40	0	60	0		
Total %	0.4	34	0	0	34.5	0	64.3	0.5	0	64.9	0	0	0	0	0	0.3	0	0.4	0	0.7	
Light Vehicles	10	747	0	0	757	0	1418	12	0	1430	0	0	0	0	0	6	0	9	0	15	2202
% Light Vehicles	100	97.8	0	0	97.8	0	98.2	100	0	98.2	0	0	0	0	0	100	0	100	0	100	98.1
Heavy Vehicles	0	17	0	0	17	0	26	0	0	26	0	0	0	0	0	0	0	0	0	0	43
% Heavy Vehicles	0	2.2	0	0	2.2	0	1.8	0	0	1.8	0	0	0	0	0	0	0	0	0	0	1.9





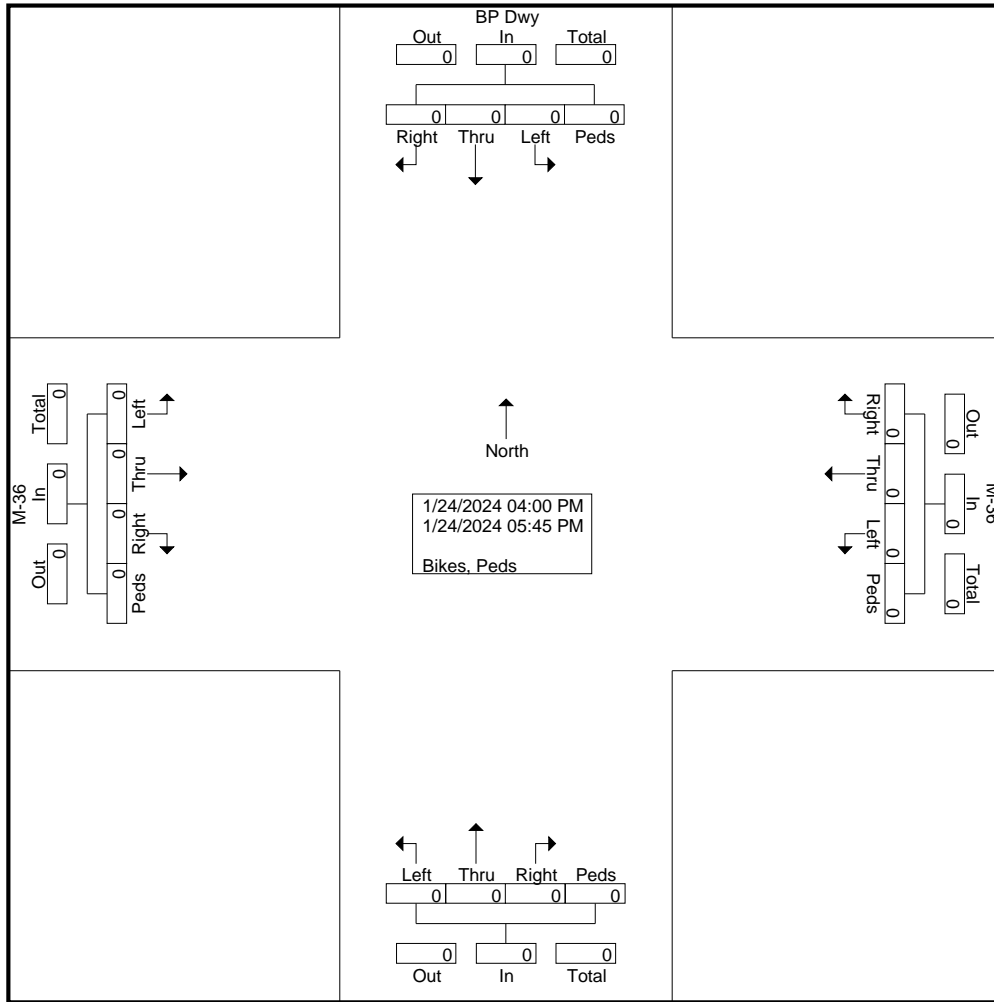
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	107	0	0	107	0	173	0	0	173	0	0	0	0	0	1	0	1	0	2	282
05:00 PM	0	111	0	0	111	0	194	0	0	194	0	0	0	0	0	0	0	2	0	2	307
05:15 PM	1	97	0	0	98	0	200	2	0	202	0	0	0	0	0	2	0	2	0	4	304
05:30 PM	0	109	0	0	109	0	195	0	0	195	0	0	0	0	0	0	0	3	0	3	307
Total Volume	1	424	0	0	425	0	762	2	0	764	0	0	0	0	0	3	0	8	0	11	1200
% App. Total	0.2	99.8	0	0		0	99.7	0.3	0		0	0	0	0		27.3	0	72.7	0		
PHF	.250	.955	.000	.000	.957	.000	.953	.250	.000	.946	.000	.000	.000	.000	.000	.375	.000	.667	.000	.688	.977
Light Vehicles	1	417	0	0	418	0	748	2	0	750	0	0	0	0	0	3	0	8	0	11	1179
% Light Vehicles	100	98.3	0	0	98.4	0	98.2	100	0	98.2	0	0	0	0	0	100	0	100	0	100	98.3
Heavy Vehicles	0	7	0	0	7	0	14	0	0	14	0	0	0	0	0	0	0	0	0	0	21
% Heavy Vehicles	0	1.7	0	0	1.6	0	1.8	0	0	1.8	0	0	0	0	0	0	0	0	0	0	1.8





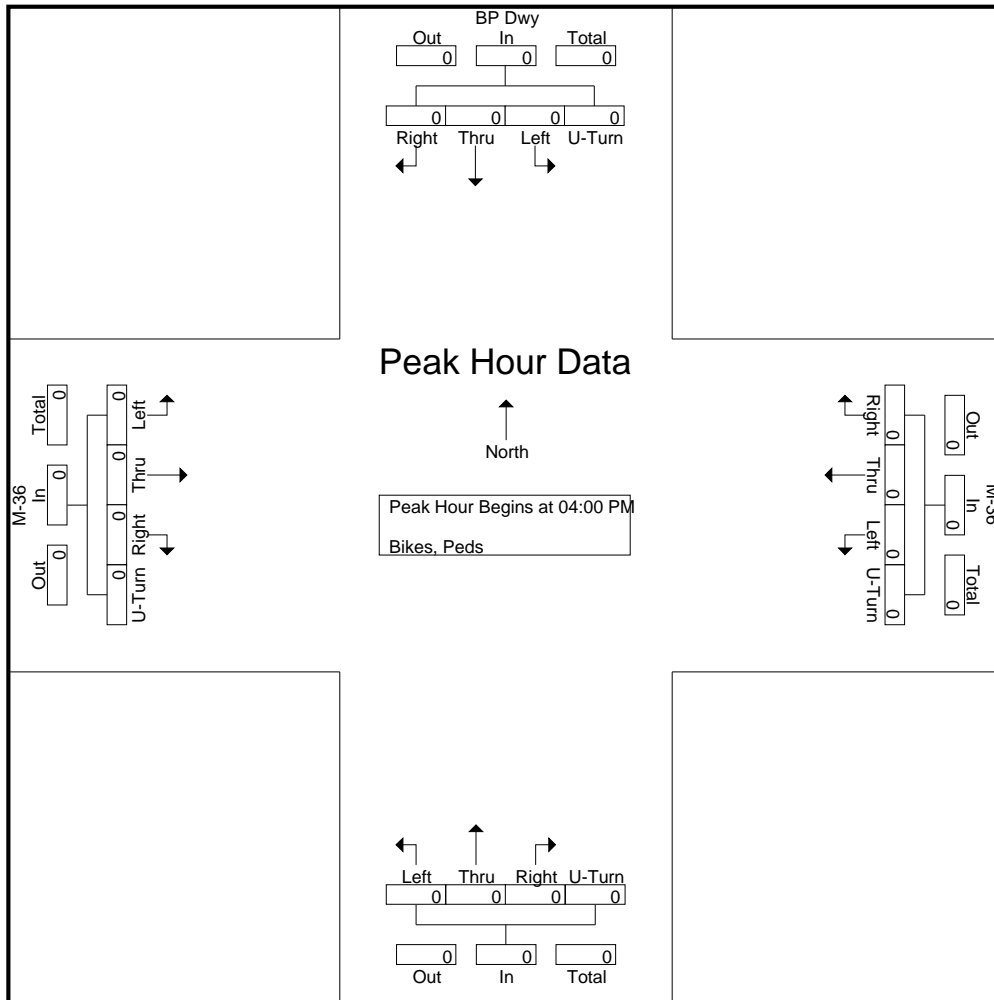
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
Total %																					





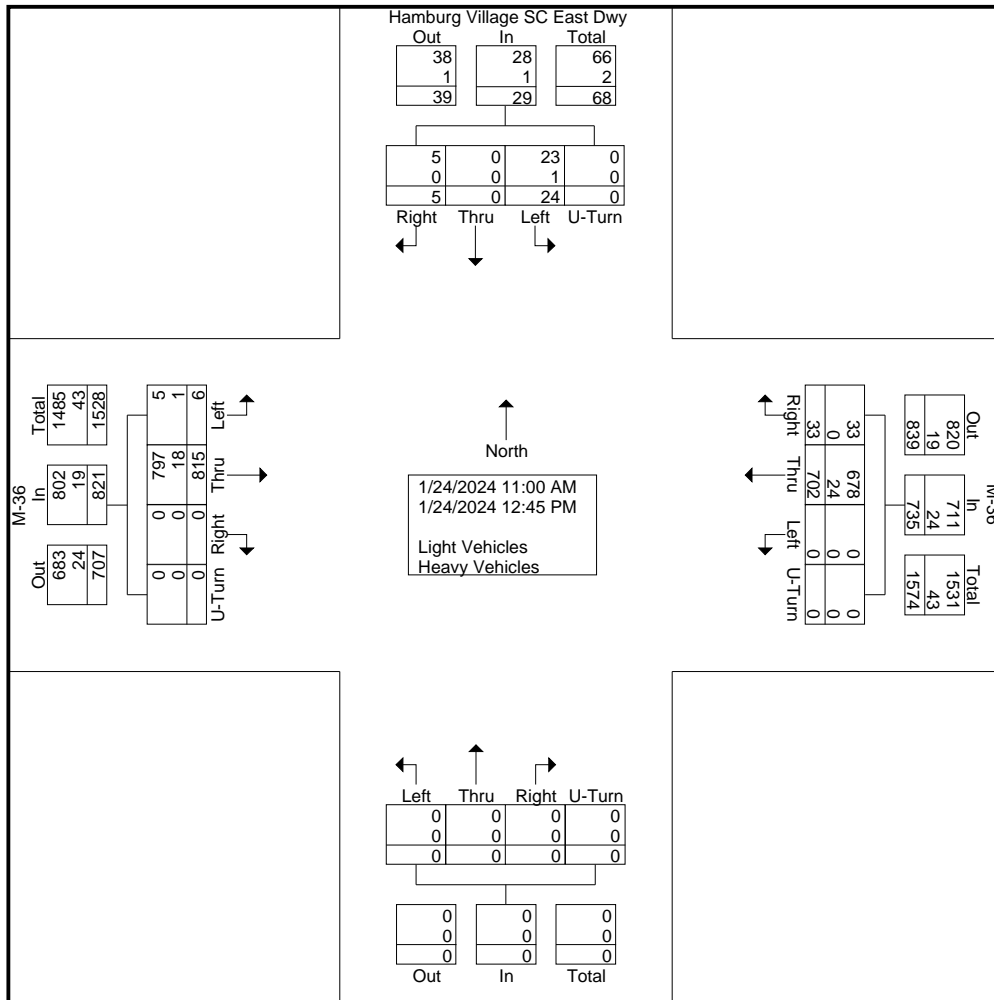
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					BP Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000





Groups Printed- Light Vehicles - Heavy Vehicles

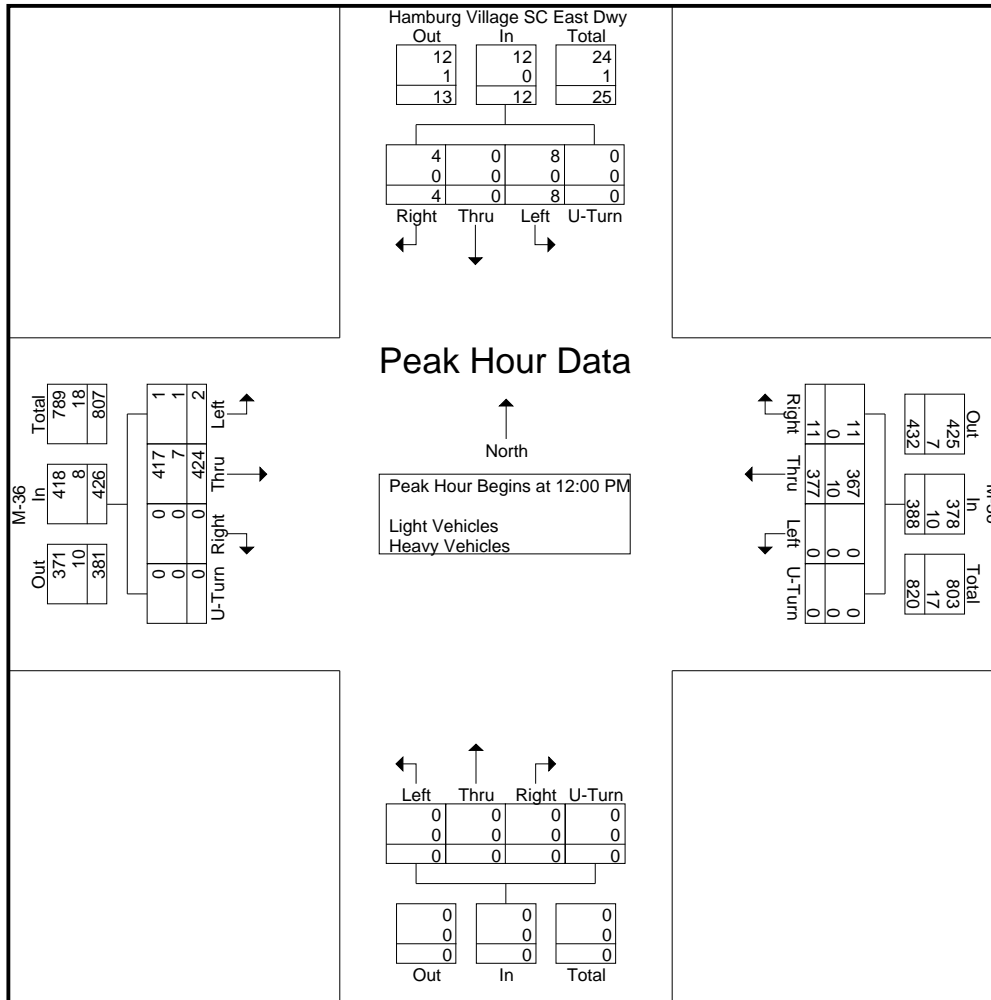
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
11:00 AM	1	87	0	0	88	0	82	7	0	89	0	0	0	0	0	3	0	1	0	4	181
11:15 AM	1	100	0	0	101	0	76	2	0	78	0	0	0	0	0	4	0	0	0	4	183
11:30 AM	0	105	0	0	105	0	71	7	0	78	0	0	0	0	0	3	0	0	0	3	186
11:45 AM	2	99	0	0	101	0	96	6	0	102	0	0	0	0	0	6	0	0	0	6	209
Total	4	391	0	0	395	0	325	22	0	347	0	0	0	0	0	16	0	1	0	17	759
12:00 PM	0	92	0	0	92	0	87	2	0	89	0	0	0	0	0	2	0	1	0	3	184
12:15 PM	0	103	0	0	103	0	95	3	0	98	0	0	0	0	0	2	0	0	0	2	203
12:30 PM	1	109	0	0	110	0	94	4	0	98	0	0	0	0	0	2	0	1	0	3	211
12:45 PM	1	120	0	0	121	0	101	2	0	103	0	0	0	0	0	2	0	2	0	4	228
Total	2	424	0	0	426	0	377	11	0	388	0	0	0	0	0	8	0	4	0	12	826
Grand Total	6	815	0	0	821	0	702	33	0	735	0	0	0	0	0	24	0	5	0	29	1585
Apprch %	0.7	99.3	0	0		0	95.5	4.5	0		0	0	0	0		82.8	0	17.2	0		
Total %	0.4	51.4	0	0	51.8	0	44.3	2.1	0	46.4	0	0	0	0	0	1.5	0	0.3	0	1.8	
Light Vehicles	5	797	0	0	802	0	678	33	0	711	0	0	0	0	0	23	0	5	0	28	1541
% Light Vehicles	83.3	97.8	0	0	97.7	0	96.6	100	0	96.7	0	0	0	0	0	95.8	0	100	0	96.6	97.2
Heavy Vehicles	1	18	0	0	19	0	24	0	0	24	0	0	0	0	0	1	0	0	0	1	44
% Heavy Vehicles	16.7	2.2	0	0	2.3	0	3.4	0	0	3.3	0	0	0	0	0	4.2	0	0	0	3.4	2.8





TRUE DATA TO IMPROVE MOBILITY

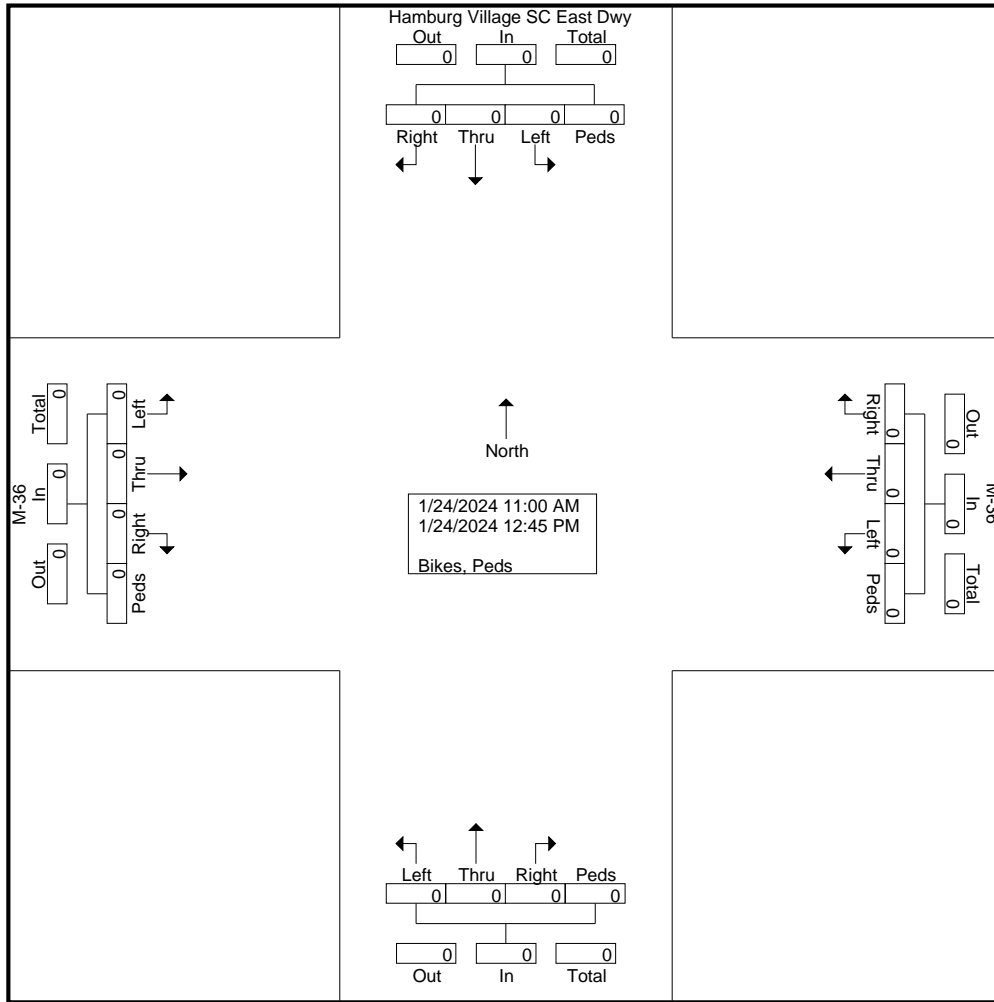
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	92	0	0	92	0	87	2	0	89	0	0	0	0	0	2	0	1	0	3	184
12:15 PM	0	103	0	0	103	0	95	3	0	98	0	0	0	0	0	2	0	0	0	2	203
12:30 PM	1	109	0	0	110	0	94	4	0	98	0	0	0	0	0	2	0	1	0	3	211
12:45 PM	1	120	0	0	121	0	101	2	0	103	0	0	0	0	0	2	0	2	0	4	228
Total Volume	2	424	0	0	426	0	377	11	0	388	0	0	0	0	0	8	0	4	0	12	826
% App. Total	0.5	99.5	0	0		0	97.2	2.8	0		0	0	0	0		66.7	0	33.3	0		
PHF	.500	.883	.000	.000	.880	.000	.933	.688	.000	.942	.000	.000	.000	.000		1.00	.000	.500	.000	.750	.906
Light Vehicles	1	417	0	0	418	0	367	11	0	378	0	0	0	0	0	8	0	4	0	12	808
% Light Vehicles	50.0	98.3	0	0	98.1	0	97.3	100	0	97.4	0	0	0	0	0	100	0	100	0	100	97.8
Heavy Vehicles	1	7	0	0	8	0	10	0	0	10	0	0	0	0	0	0	0	0	0	0	18
% Heavy Vehicles	50.0	1.7	0	0	1.9	0	2.7	0	0	2.6	0	0	0	0	0	0	0	0	0	0	2.2





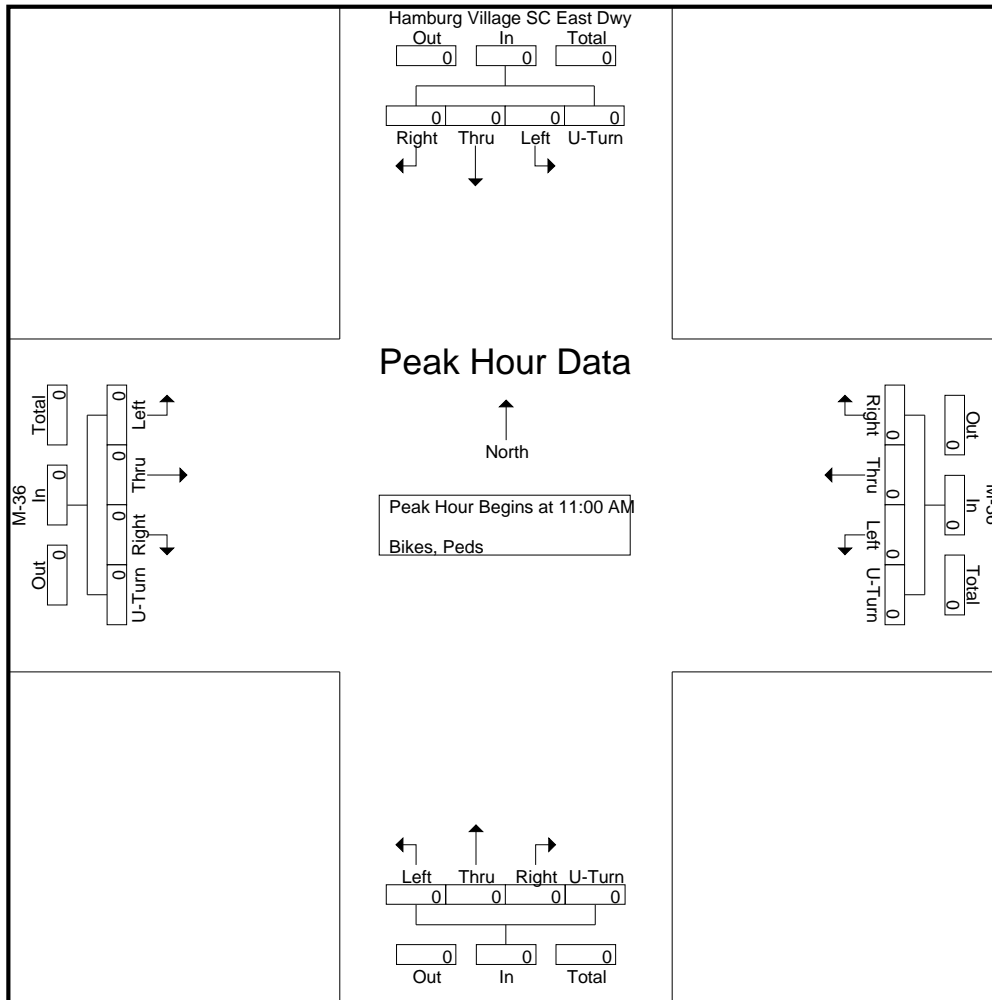
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
Total %																					





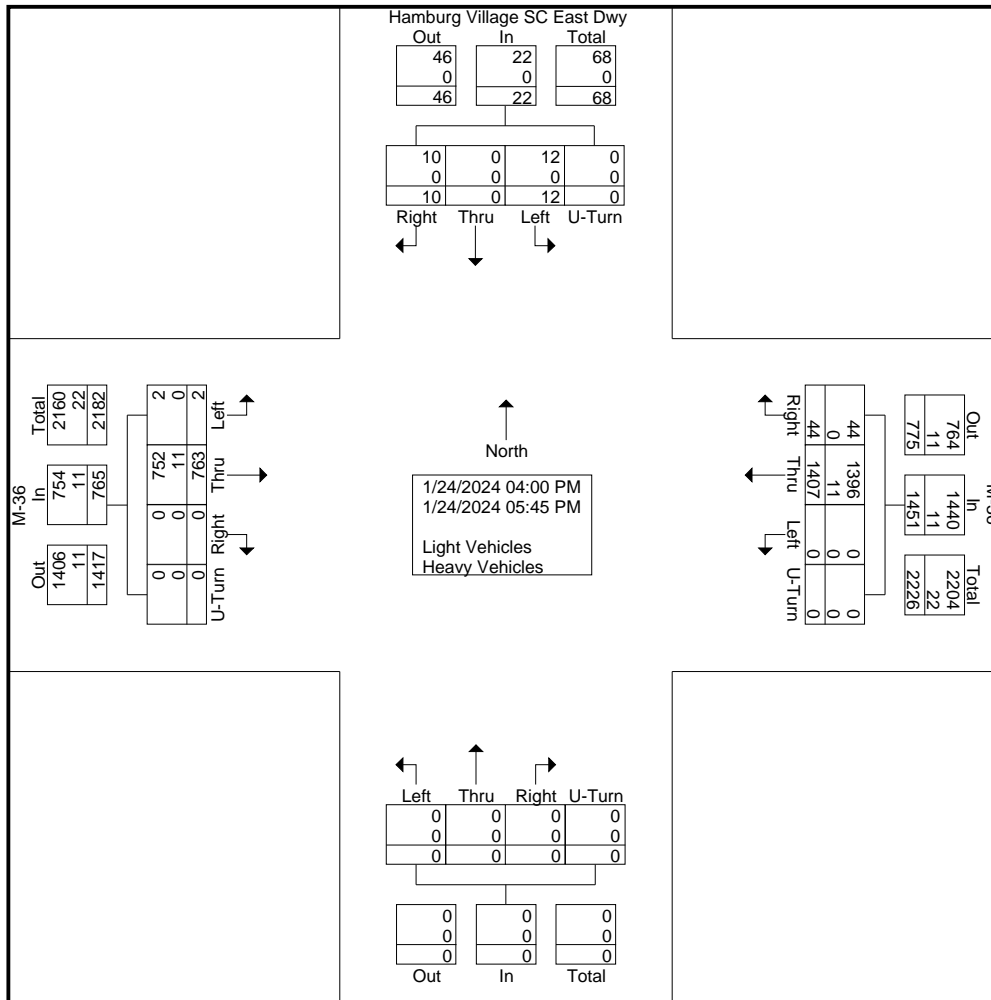
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000





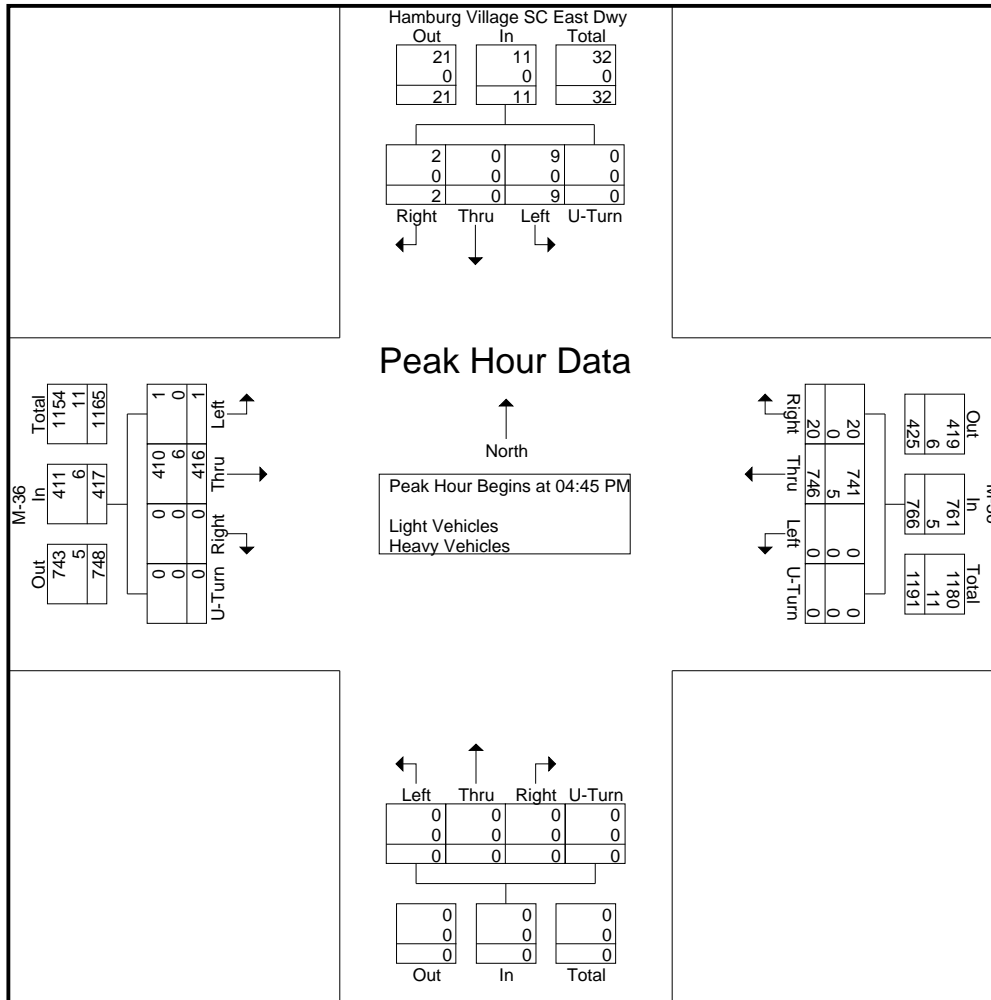
Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	0	82	0	0	82	0	163	10	0	173	0	0	0	0	0	1	0	4	0	5	260
04:15 PM	0	88	0	0	88	0	162	6	0	168	0	0	0	0	0	2	0	2	0	4	260
04:30 PM	0	93	0	0	93	0	161	6	0	167	0	0	0	0	0	0	0	1	0	1	261
04:45 PM	1	105	0	0	106	0	165	5	0	170	0	0	0	0	0	2	0	0	0	2	278
Total	1	368	0	0	369	0	651	27	0	678	0	0	0	0	0	5	0	7	0	12	1059
05:00 PM	0	109	0	0	109	0	191	3	0	194	0	0	0	0	0	1	0	0	0	1	304
05:15 PM	0	97	0	0	97	0	198	8	0	206	0	0	0	0	0	2	0	2	0	4	307
05:30 PM	0	105	0	0	105	0	192	4	0	196	0	0	0	0	0	4	0	0	0	4	305
05:45 PM	1	84	0	0	85	0	175	2	0	177	0	0	0	0	0	0	0	1	0	1	263
Total	1	395	0	0	396	0	756	17	0	773	0	0	0	0	0	7	0	3	0	10	1179
Grand Total	2	763	0	0	765	0	1407	44	0	1451	0	0	0	0	0	12	0	10	0	22	2238
Apprch %	0.3	99.7	0	0		0	97	3	0		0	0	0	0		54.5	0	45.5	0		
Total %	0.1	34.1	0	0	34.2	0	62.9	2	0	64.8	0	0	0	0	0	0.5	0	0.4	0	1	
Light Vehicles	2	752	0	0	754	0	1396	44	0	1440	0	0	0	0	0	12	0	10	0	22	2216
% Light Vehicles	100	98.6	0	0	98.6	0	99.2	100	0	99.2	0	0	0	0	0	100	0	100	0	100	99
Heavy Vehicles	0	11	0	0	11	0	11	0	0	11	0	0	0	0	0	0	0	0	0	0	22
% Heavy Vehicles	0	1.4	0	0	1.4	0	0.8	0	0	0.8	0	0	0	0	0	0	0	0	0	0	1





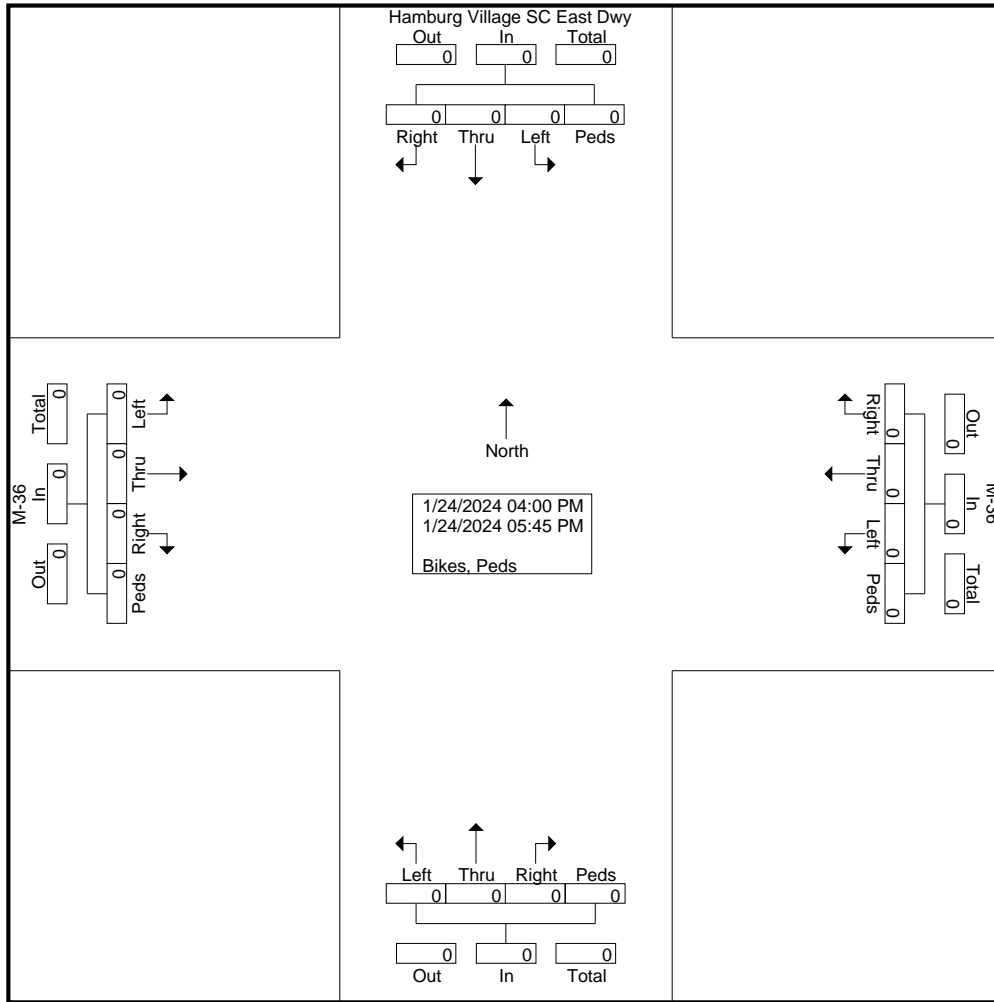
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	1	105	0	0	106	0	165	5	0	170	0	0	0	0	0	2	0	0	0	2	278
05:00 PM	0	109	0	0	109	0	191	3	0	194	0	0	0	0	0	1	0	0	0	1	304
05:15 PM	0	97	0	0	97	0	198	8	0	206	0	0	0	0	0	2	0	2	0	4	307
05:30 PM	0	105	0	0	105	0	192	4	0	196	0	0	0	0	0	4	0	0	0	4	305
Total Volume	1	416	0	0	417	0	746	20	0	766	0	0	0	0	0	9	0	2	0	11	1194
% App. Total	0.2	99.8	0	0		0	97.4	2.6	0		0	0	0	0		81.8	0	18.2	0		
PHF	.250	.954	.000	.000	.956	.000	.942	.625	.000	.930	.000	.000	.000	.000	.000	.563	.000	.250	.000	.688	.972
Light Vehicles	1	410	0	0	411	0	741	20	0	761	0	0	0	0	0	9	0	2	0	11	1183
% Light Vehicles	100	98.6	0	0	98.6	0	99.3	100	0	99.3	0	0	0	0	0	100	0	100	0	100	99.1
Heavy Vehicles	0	6	0	0	6	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	11
% Heavy Vehicles	0	1.4	0	0	1.4	0	0.7	0	0	0.7	0	0	0	0	0	0	0	0	0	0	0.9





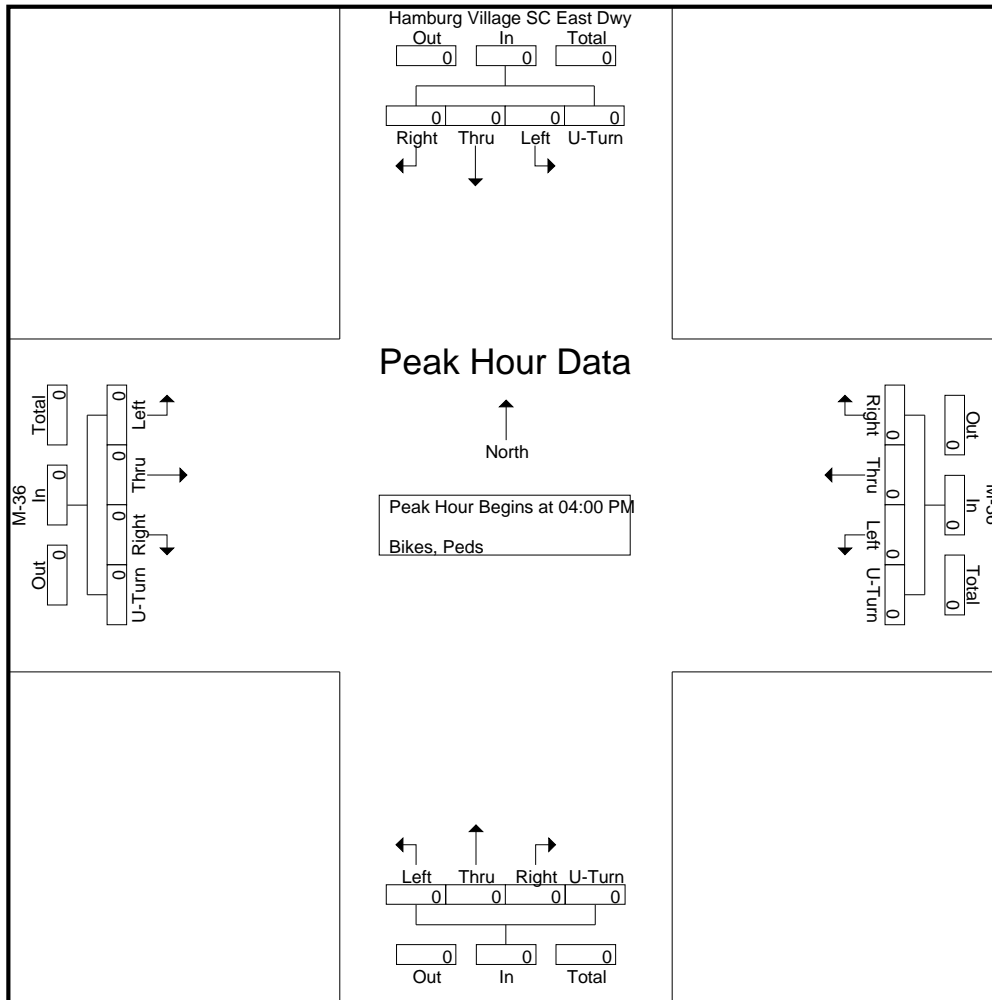
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
Total %																					





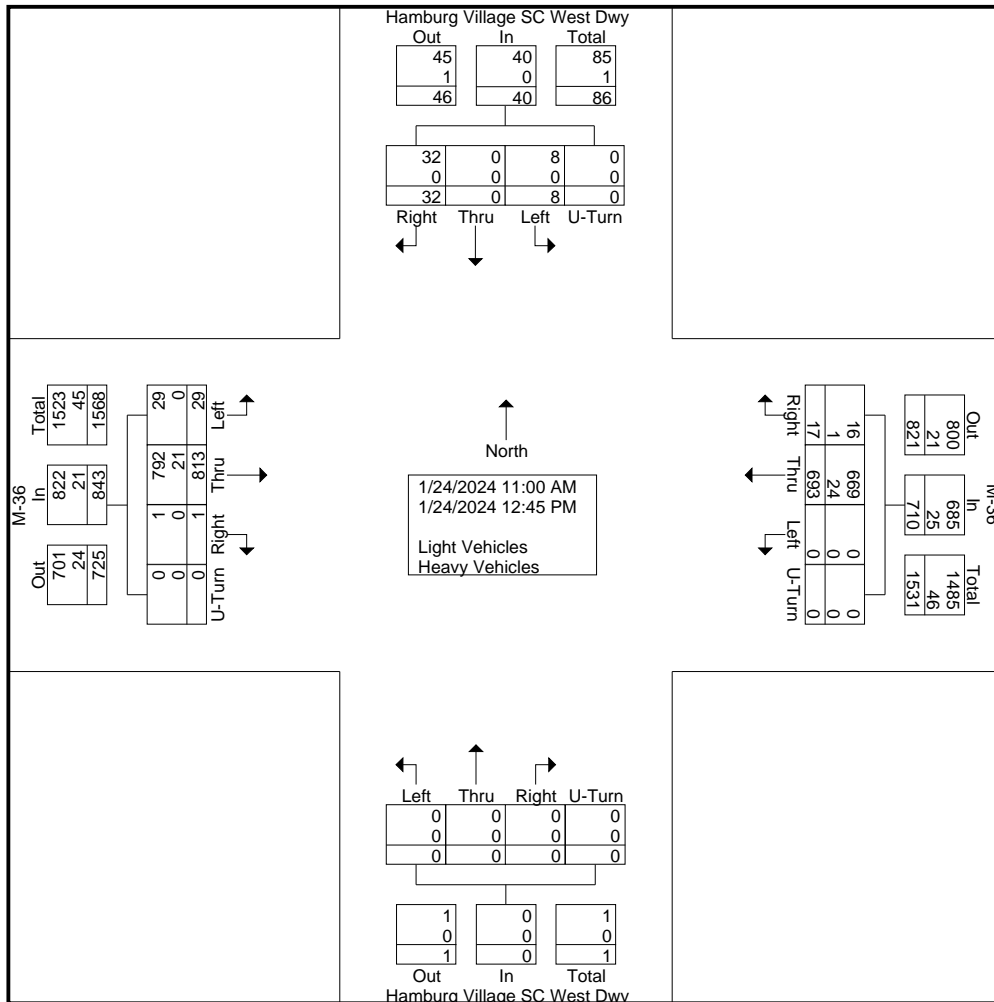
Start Time	M-36 Eastbound					M-36 Westbound					Northbound					Hamburg Village SC East Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000





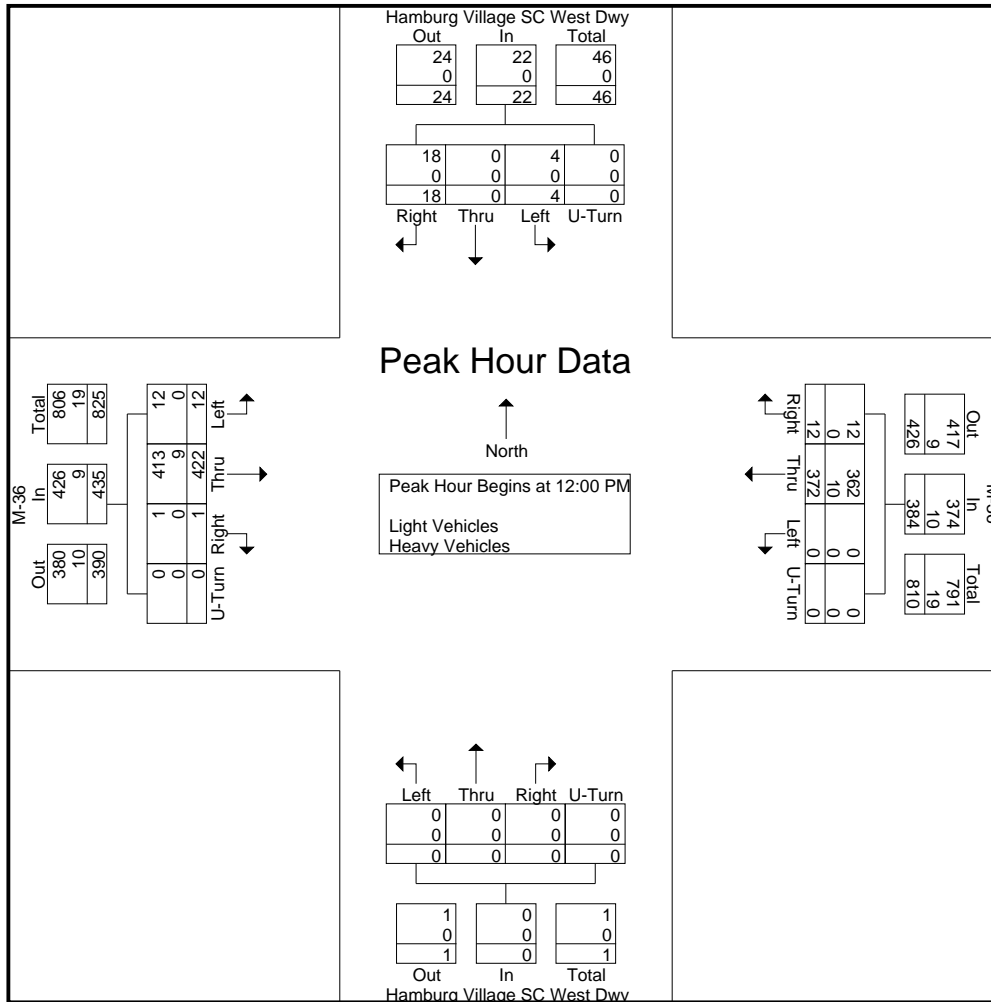
Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
11:00 AM	3	87	0	0	90	0	82	1	0	83	0	0	0	0	0	1	0	4	0	5	178
11:15 AM	5	101	0	0	106	0	76	0	0	76	0	0	0	0	0	0	0	4	0	4	186
11:30 AM	3	103	0	0	106	0	70	1	0	71	0	0	0	0	0	2	0	5	0	7	184
11:45 AM	6	100	0	0	106	0	93	3	0	96	0	0	0	0	0	1	0	1	0	2	204
Total	17	391	0	0	408	0	321	5	0	326	0	0	0	0	0	4	0	14	0	18	752
12:00 PM	5	91	0	0	96	0	85	4	0	89	0	0	0	0	0	1	0	3	0	4	189
12:15 PM	2	101	0	0	103	0	95	2	0	97	0	0	0	0	0	2	0	6	0	8	208
12:30 PM	4	110	0	0	114	0	95	0	0	95	0	0	0	0	0	1	0	3	0	4	213
12:45 PM	1	120	1	0	122	0	97	6	0	103	0	0	0	0	0	0	0	6	0	6	231
Total	12	422	1	0	435	0	372	12	0	384	0	0	0	0	0	4	0	18	0	22	841
Grand Total	29	813	1	0	843	0	693	17	0	710	0	0	0	0	0	8	0	32	0	40	1593
Apprch %	3.4	96.4	0.1	0		0	97.6	2.4	0		0	0	0	0		20	0	80	0		
Total %	1.8	51	0.1	0	52.9	0	43.5	1.1	0	44.6	0	0	0	0	0	0.5	0	2	0	2.5	
Light Vehicles	29	792	1	0	822	0	669	16	0	685	0	0	0	0	0	8	0	32	0	40	1547
% Light Vehicles	100	97.4	100	0	97.5	0	96.5	94.1	0	96.5	0	0	0	0	0	100	0	100	0	100	97.1
Heavy Vehicles	0	21	0	0	21	0	24	1	0	25	0	0	0	0	0	0	0	0	0	0	46
% Heavy Vehicles	0	2.6	0	0	2.5	0	3.5	5.9	0	3.5	0	0	0	0	0	0	0	0	0	0	2.9





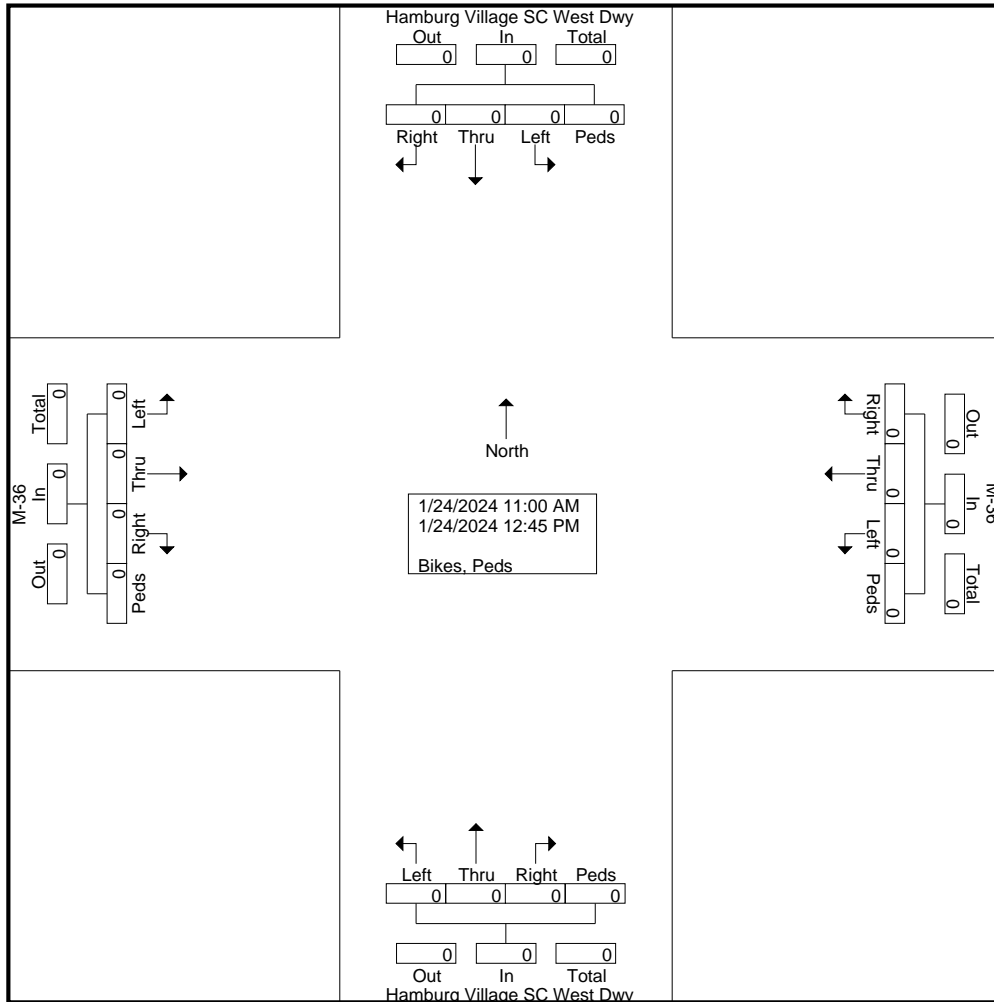
Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	5	91	0	0	96	0	85	4	0	89	0	0	0	0	0	1	0	3	0	4	189
12:15 PM	2	101	0	0	103	0	95	2	0	97	0	0	0	0	0	2	0	6	0	8	208
12:30 PM	4	110	0	0	114	0	95	0	0	95	0	0	0	0	0	1	0	3	0	4	213
12:45 PM	1	120	1	0	122	0	97	6	0	103	0	0	0	0	0	0	0	6	0	6	231
Total Volume	12	422	1	0	435	0	372	12	0	384	0	0	0	0	0	4	0	18	0	22	841
% App. Total	2.8	97	0.2	0		0	96.9	3.1	0		0	0	0	0		18.2	0	81.8	0		
PHF	.600	.879	.250	.000	.891	.000	.959	.500	.000	.932	.000	.000	.000	.000	.000	.500	.000	.750	.000	.688	.910
Light Vehicles	12	413	1	0	426	0	362	12	0	374	0	0	0	0	0	4	0	18	0	22	822
% Light Vehicles	100	97.9	100	0	97.9	0	97.3	100	0	97.4	0	0	0	0	0	100	0	100	0	100	97.7
Heavy Vehicles	0	9	0	0	9	0	10	0	0	10	0	0	0	0	0	0	0	0	0	0	19
% Heavy Vehicles	0	2.1	0	0	2.1	0	2.7	0	0	2.6	0	0	0	0	0	0	0	0	0	0	2.3





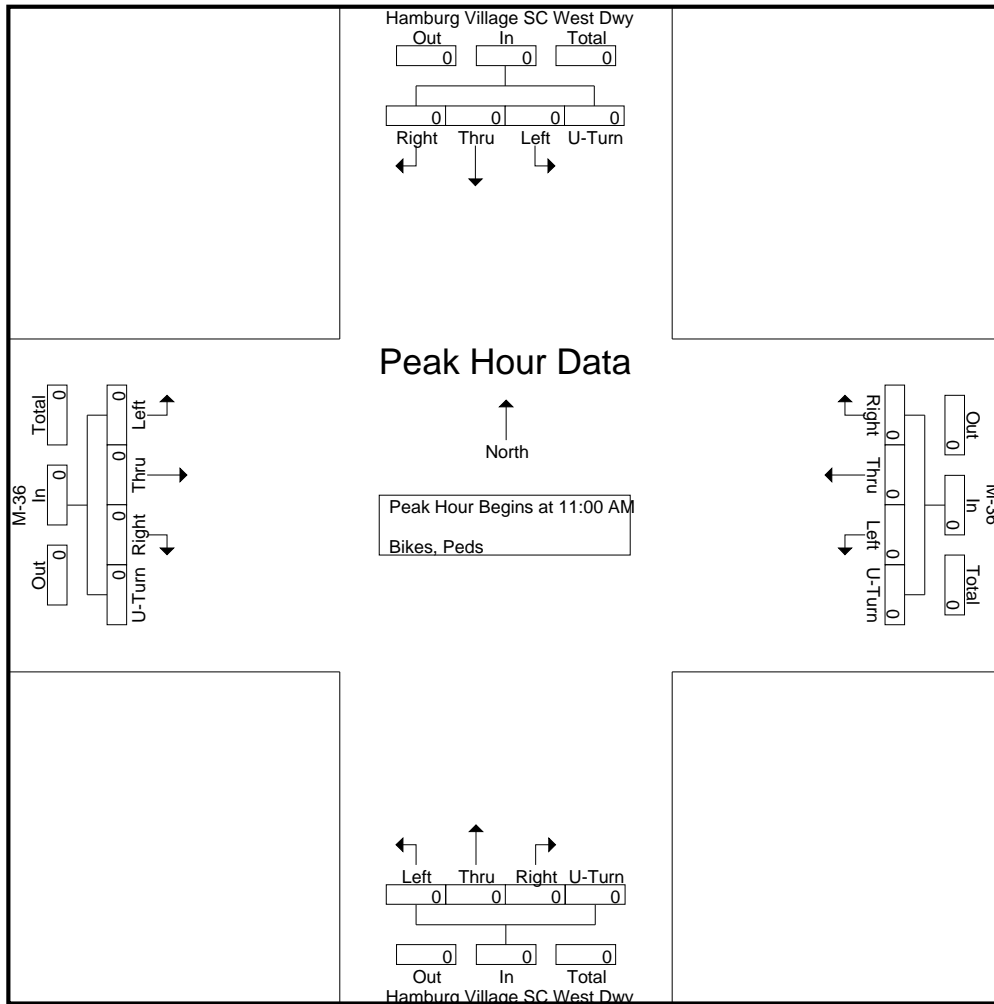
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
Total %																					





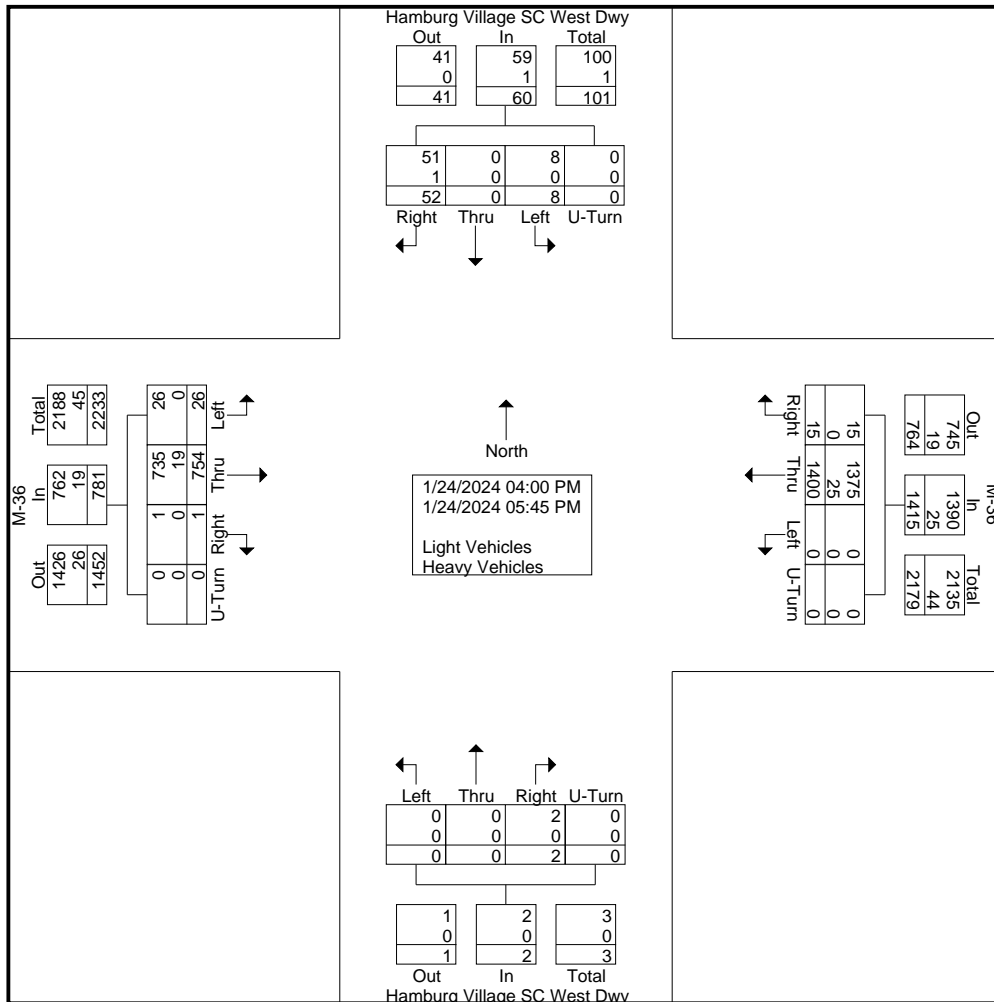
Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000





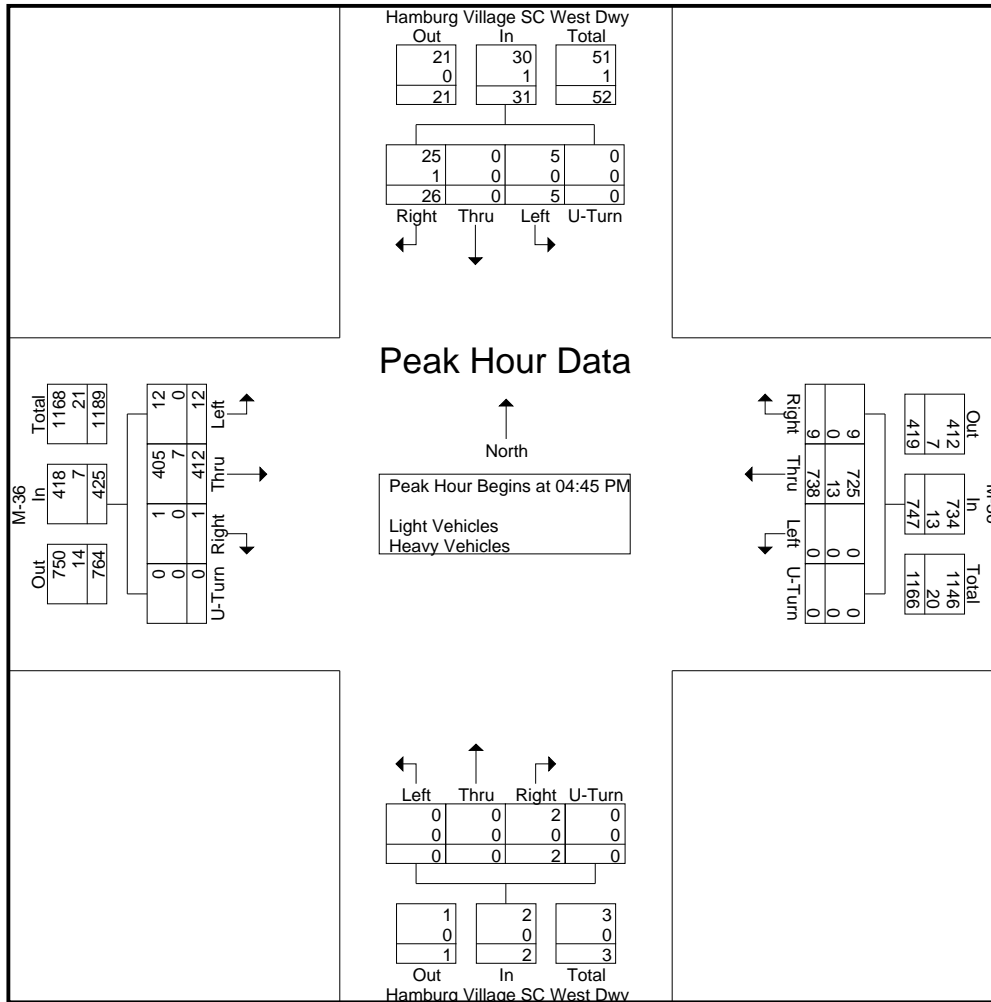
Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	5	81	0	0	86	0	163	3	0	166	0	0	0	0	0	1	0	9	0	10	262
04:15 PM	2	87	0	0	89	0	163	1	0	164	0	0	0	0	0	1	0	7	0	8	261
04:30 PM	2	92	0	0	94	0	162	0	0	162	0	0	0	0	0	1	0	5	0	6	262
04:45 PM	4	104	0	0	108	0	165	1	0	166	0	0	1	0	1	2	0	5	0	7	282
Total	13	364	0	0	377	0	653	5	0	658	0	0	1	0	1	5	0	26	0	31	1067
05:00 PM	1	105	0	0	106	0	186	3	0	189	0	0	1	0	1	2	0	3	0	5	301
05:15 PM	3	98	1	0	102	0	196	4	0	200	0	0	0	0	0	0	0	9	0	9	311
05:30 PM	4	105	0	0	109	0	191	1	0	192	0	0	0	0	0	1	0	9	0	10	311
05:45 PM	5	82	0	0	87	0	174	2	0	176	0	0	0	0	0	0	0	5	0	5	268
Total	13	390	1	0	404	0	747	10	0	757	0	0	1	0	1	3	0	26	0	29	1191
Grand Total	26	754	1	0	781	0	1400	15	0	1415	0	0	2	0	2	8	0	52	0	60	2258
Apprch %	3.3	96.5	0.1	0		0	98.9	1.1	0		0	0	100	0		13.3	0	86.7	0		
Total %	1.2	33.4	0	0	34.6	0	62	0.7	0	62.7	0	0	0.1	0	0.1	0.4	0	2.3	0	2.7	
Light Vehicles	26	735	1	0	762	0	1375	15	0	1390	0	0	2	0	2	8	0	51	0	59	2213
% Light Vehicles	100	97.5	100	0	97.6	0	98.2	100	0	98.2	0	0	100	0	100	100	0	98.1	0	98.3	98
Heavy Vehicles	0	19	0	0	19	0	25	0	0	25	0	0	0	0	0	0	0	1	0	1	45
% Heavy Vehicles	0	2.5	0	0	2.4	0	1.8	0	0	1.8	0	0	0	0	0	0	0	1.9	0	1.7	2





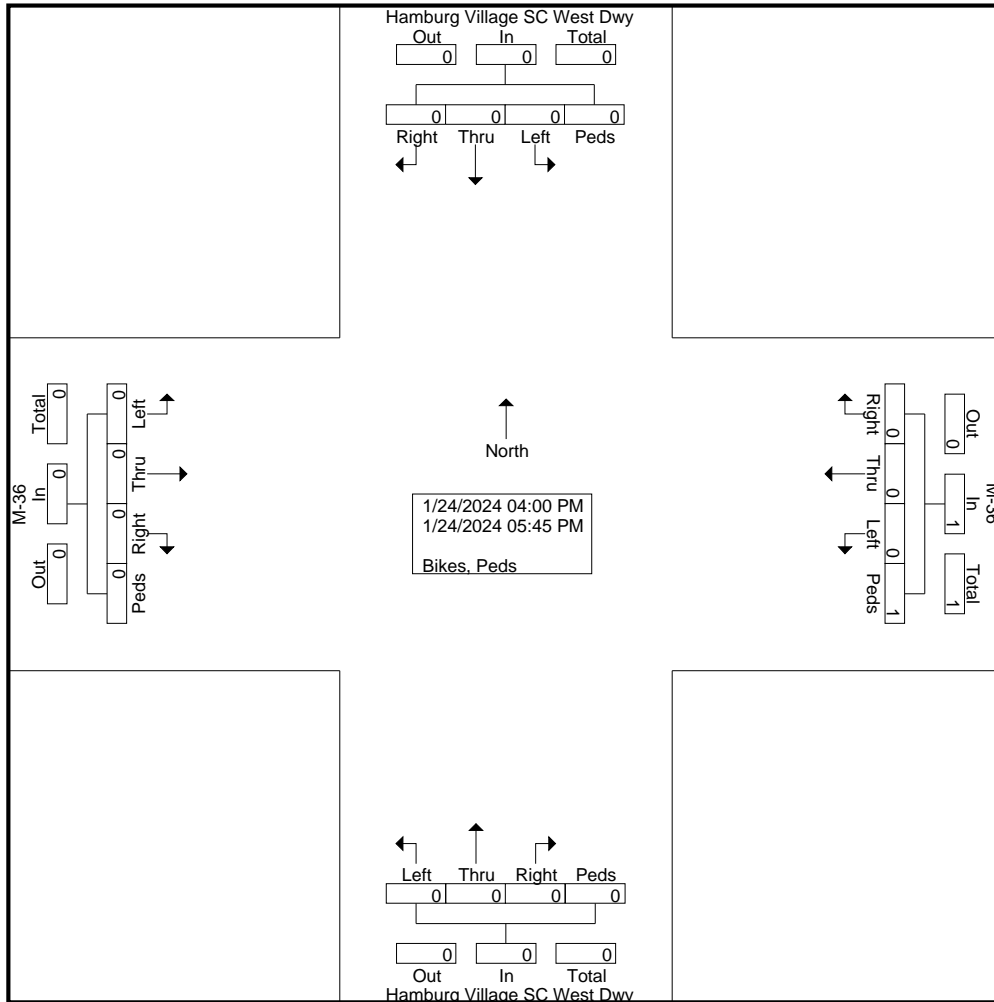
Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	4	104	0	0	108	0	165	1	0	166	0	0	1	0	1	2	0	5	0	7	282
05:00 PM	1	105	0	0	106	0	186	3	0	189	0	0	1	0	1	2	0	3	0	5	301
05:15 PM	3	98	1	0	102	0	196	4	0	200	0	0	0	0	0	0	0	9	0	9	311
05:30 PM	4	105	0	0	109	0	191	1	0	192	0	0	0	0	0	1	0	9	0	10	311
Total Volume	12	412	1	0	425	0	738	9	0	747	0	0	2	0	2	5	0	26	0	31	1205
% App. Total	2.8	96.9	0.2	0		0	98.8	1.2	0		0	0	100	0		16.1	0	83.9	0		
PHF	.750	.981	.250	.000	.975	.000	.941	.563	.000	.934	.000	.000	.500	.000	.500	.625	.000	.722	.000	.775	.969
Light Vehicles	12	405	1	0	418	0	725	9	0	734	0	0	2	0	2	5	0	25	0	30	1184
% Light Vehicles	100	98.3	100	0	98.4	0	98.2	100	0	98.3	0	0	100	0	100	100	0	96.2	0	96.8	98.3
Heavy Vehicles	0	7	0	0	7	0	13	0	0	13	0	0	0	0	0	0	0	1	0	1	21
% Heavy Vehicles	0	1.7	0	0	1.6	0	1.8	0	0	1.7	0	0	0	0	0	0	0	3.8	0	3.2	1.7





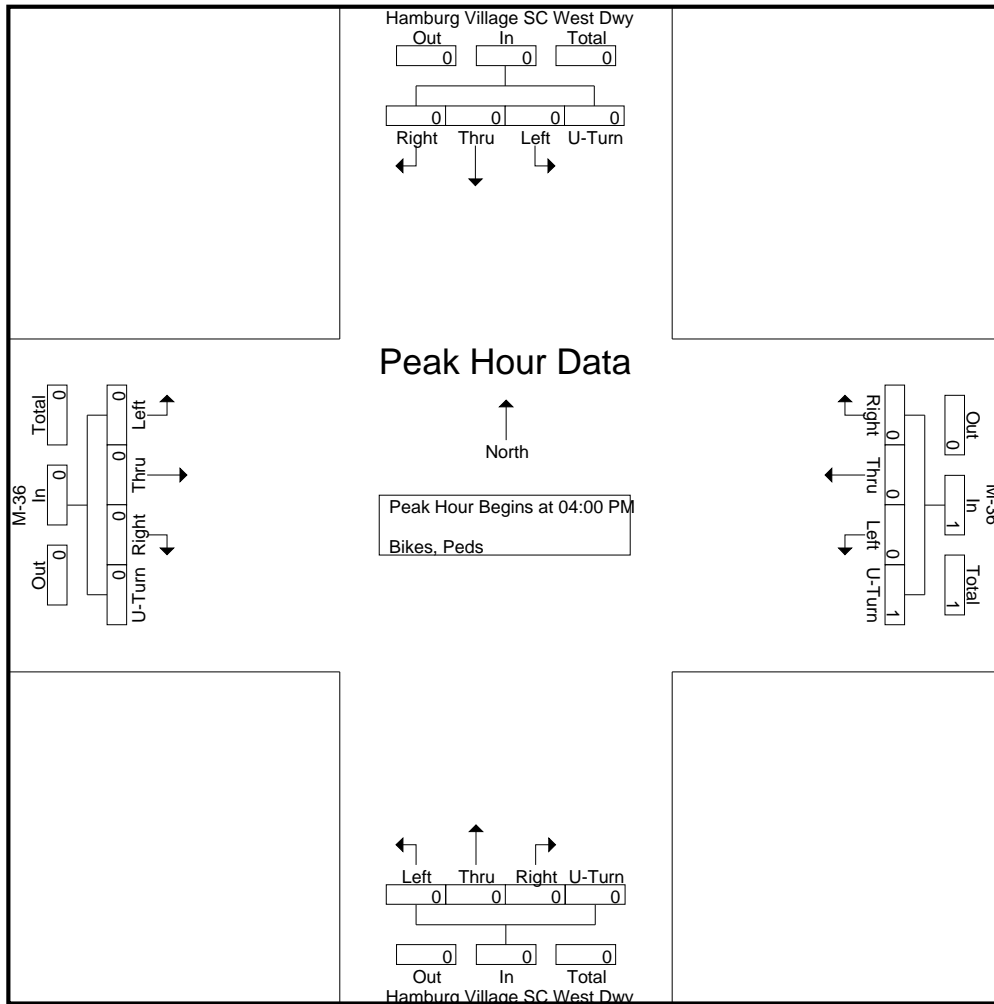
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
Apprch %	0	0	0	0		0	0	0	100		0	0	0	0		0	0	0	0		
Total %	0	0	0	0		0	0	0	100	100	0	0	0	0		0	0	0	0		





Start Time	M-36 Eastbound					M-36 Westbound					Hamburg Village SC West Dwy Northbound					Hamburg Village SC West Dwy Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
% App. Total	0	0	0	0	0	0	0	0	100		0	0	0	0		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250





Site Code: 16450409 & 10
 Location: M-36 at Hamburg Village SC East Dwy
 Date: 1/24/2024
 Time: 11:00 AM - 1:00 PM & 4:00 PM - 6:00 PM

Gap Analysis - MID																	
Time	Volume	< 2.0 s	2.0 - 3.9 s	4.0 - 5.9 s	6.0 - 7.9 s	8.0 - 9.9 s	10.0 - 11.9 s	12.0 - 13.9 s	14.0 - 15.9 s	16.0 - 17.9 s	18.0 - 19.9 s	20.0 - 21.9 s	22.0 - 23.9 s	24.0 - 25.9 s	26.0 - 27.9 s	28.0 - 29.9 s	> 30.0 s
11:00 AM	168	10	45	28	14	7	8	12	3	9	3	8	1	3	3	0	14
11:15 AM	176	8	51	30	17	9	13	7	10	3	5	2	1	3	3	3	11
11:30 AM	174	10	61	22	12	7	8	7	5	6	5	2	6	2	3	2	16
11:45 AM	196	14	68	18	11	21	5	9	9	6	8	4	7	2	3	4	7
12:00 PM	178	11	54	27	9	18	10	7	3	4	5	2	2	5	0	4	17
12:15 PM	197	13	60	25	20	15	12	4	12	8	4	9	2	2	1	3	7
12:30 PM	203	21	70	29	10	11	8	9	5	9	4	6	2	0	1	5	13
12:45 PM	223	6	79	45	22	15	7	10	5	8	7	2	1	1	1	4	10
Total	1515	93	488	224	115	103	71	65	52	53	41	35	22	18	15	25	95

Gap Analysis - PM																	
Time	Volume	< 2.0 s	2.0 - 3.9 s	4.0 - 5.9 s	6.0 - 7.9 s	8.0 - 9.9 s	10.0 - 11.9 s	12.0 - 13.9 s	14.0 - 15.9 s	16.0 - 17.9 s	18.0 - 19.9 s	20.0 - 21.9 s	22.0 - 23.9 s	24.0 - 25.9 s	26.0 - 27.9 s	28.0 - 29.9 s	> 30.0 s
4:00 PM	246	26	102	32	26	7	7	5	7	7	5	5	3	2	3	2	7
4:15 PM	252	19	98	39	19	16	15	12	7	5	2	3	3	5	2	1	6
4:30 PM	255	26	96	40	20	16	10	11	4	7	5	4	3	2	1	3	7
4:45 PM	273	20	121	40	20	14	13	8	6	9	5	5	2	3	1	1	5
5:00 PM	291	24	138	46	23	9	12	9	5	4	6	4	3	0	1	1	6
5:15 PM	296	23	142	46	23	11	10	4	6	10	5	1	2	2	2	1	8
5:30 PM	297	26	136	47	20	16	10	8	6	3	8	0	4	3	3	2	5
5:45 PM	257	15	102	46	23	18	8	9	5	5	3	4	1	6	3	4	5
Total	2167	179	935	336	174	107	85	66	46	50	39	26	21	23	16	15	49

Disclaimer: The Michigan Department of Transportation (MDOT) works with individual agencies (cities/villages, counties, metropolitan planning organizations (MPOs), regional planning organizations (RPOs), and other areas of MDOT) to identify existing traffic count programs and/or traffic data. ...[more](#)

List View All DIRs Report Center

	Record			1			of 1	Goto Record	<input type="text"/>	<input type="button" value="go"/>
Location ID	47-1416				MPO ID	560				
Type	SPOT				HPMS ID					
On NHS	No				On HPMS	No				
LRS ID	0932808				LRS Loc Pt.	0.2967863				
SF Group	Urban Non State				Route Type					
AF Group	NoFactor				Route					
GF Group	Urban Non State				Active	Yes				
Class Dist Grp	NTL_4				Category					
Seas Class Grp										
WIM Group										
QC Group	Default									
Funct'l Class	(4) Minor Arterial				Milepost					
Located On	Chilson Rd									
Loc On Alias										
NORTH OF	Lawrence Ct									
More Detail										
STATION DATA										

Directions:

AADT

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2022	6,331	596	9		6,149 (97%)	182 (3%)	

VOLUME COUNT			
Date	Int	Total	
Mon 8/8/2022	60	6,331	

VOLUME TREND
Year Annual Growth

CLASSIFICATION			
Date	Int	Total	
No Data			

NOTES/FILES			
Note	Date		

Item 20.

Class Dist Grp	2_036_007	Category	Primary
Seas Class Grp			
WIM Group			
QC Group	Default		
Funct'l Class	(4) Minor Arterial	Milepost	
Located On	M-36		
Loc On Alias	M 36		
WEST OF	Chilson Rd		
More Detail ▶			
STATION DATA			

Directions:

AADT

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2017	19,492 ³		12	54	19,100 (98%)	392 (2%)	Grown from 2016
2016	18,833		12	54	18,566 (99%)	267 (1%)	MDOT
2015	18,022		12	54			MDOT
2014	17,277 ³	2,091	12	54	16,941 (98%)	336 (2%)	MDOT
2013	16,872 ³	2,042	12	54	16,544 (98%)	328 (2%)	MDOT

6-10 of 14

VOLUME COUNT			
	Date	Int	Total
	Tue 6/29/2021	15	13,721
	Mon 6/28/2021	15	15,837
-	Tue 6/19/2018	-	
-	Mon 6/18/2018	-	
	Wed 9/23/2015	60	18,925
	Tue 9/22/2015	60	18,987
	Wed 8/12/2015	60	17,832
	Tue 8/11/2015	60	17,420
	Tue 5/22/2012	60	17,601
	Mon 5/21/2012	60	16,879

1-10 of 23

VOLUME TREND

Year	Annual Growth
2022	-2%
2021	-1%
2020	-12%
2019	0%
2018	-19%
2017	3%
2016	5%
2015	4%
2014	2%
2013	1%

1-10 of 13

CLASSIFICATION			
	Date	Int	Total
	Tue 6/29/2021	15	13,721

NTCIP TRAFFIC SIGNAL TIMING PERMIT

Item 20.

	PHASE	1	2	3	4	5	6	7	8	TIMING INSTALLED	PRE-EMPT COUNTDOWN PEDS <input type="checkbox"/>
APPROACH	EB/WB	NB/SB								REMARKS Modified by HNTB for integration into CSCS. Updated Yellow, All Red, and pedestrian clearance intervals with values provided by MDOT.	<input type="checkbox"/>
MINIMUM GREEN	10	7									
PASSAGE	0.0	4.0									
MAXIMUM GREEN NO. 1	54	26									
MAXIMUM GREEN NO. 2	0	0									
YELLOW CLEARANCE	4.3	3.6									
ALL RED CLEARANCE	1.8	2.7									
WALK	7	7									
FLASHING DON'T WALK (FDW) CLEARANCE	16	14									
EXT PED CLR (EOG, EOY, 3.0s)	3.0s	3.0s									
START UP PHASE(S)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
VEHICLE RECALL (NONE, MIN, MAX, SOFT)	MAX	NONE									
PEDESTRIAN RECALL (NONE, RECL, OTHR)	RECL	NONE									
DUAL ENTRY (Y, N)	N	N									
MODE (CRD, MIN, MAX, D-CRD, NOCRD)	CRD	NOCRD									
DAILY FLASH (Y, R, DK, NA)	Y	R									
CONFLICT FLASH (Y, R, DK)	Y	R									
EVNT/ACTN PLN 1	OFFSET 0	CYCLE 70	44	26							
EVNT/ACTN PLN 2	OFFSET 0	CYCLE 70	44	26							
EVNT/ACTN PLN 3	OFFSET 0	CYCLE 80	54	26							
EVNT/ACTN PLN	OFFSET	CYCLE									
EVNT/ACTN PLN	OFFSET	CYCLE									
EVNT/ACTN PLN	OFFSET	CYCLE									

LESS FREQUENTLY USED FEATURES

WALK REST MODIFIER (Y, N) (Cycle Ped in Free)									
LEAD PEDESTRIAN INTERVAL									
RED MAX EXTENSION (Dilemma Zone Mitigation)									



FLASH HOURS:

21:30	to	06:00	DAILY <input checked="" type="checkbox"/>	NONE <input type="checkbox"/>

PHASE	VEHICLE OVERLAPS
1 EB/WB M-36	
2 NB/SB Chilson Road	
3	
4	
5	
6	
7	
8	

Overlap Phase	Load Bay	Phases Overlapped	T.G. (s)	Y (s)	R (s)	FVA Phases Perm	Flash Prot	Flash Daily	Flash Confl
=									
=									
=									
=									
=									
=									
=									
=									

CONTROLLER and FIRMWARE# <input checked="" type="checkbox"/> Siemens (SEPA) M60 <input type="checkbox"/> ECONOLITE (EOS) <input type="checkbox"/> Other:	PREPARED BY: TGB DATE:
LOCATION: M-36 at Chilson Road CITY/TWP: Hamburg Township COUNTY : Livingston	
MILE POINT 18.51	CONTROL SECTION-SPOT # 47041-01-012
Job # (If Applicable):	

CLEAR ALL

ADVANCED TIMING PARAMETERS FORM

Item 20.

SYSTEM INFORMATION	LEFT-TURN PHASING						RING AND BARRIER STRUCTURE																
System Type: <input checked="" type="checkbox"/> Central Group ID 47-7 <input type="checkbox"/> TBC <input type="checkbox"/> None <input type="checkbox"/> Other: Controller Location ID: Interconnect: <input type="checkbox"/> HARDWIRE <input type="checkbox"/> FIBER-OPTIC <input type="checkbox"/> RADIO <input type="checkbox"/> SERIAL RADIO Hop Pattern: <input type="checkbox"/> IP RADIO <input type="checkbox"/> TBC <input type="checkbox"/> GPS CLOCK <input checked="" type="checkbox"/> CELL MODEM <input type="checkbox"/> NONE <input type="checkbox"/> Other:	Phase # / Description	Permissive-Protected			Protected-Only			B1				B2				B3				B4			
	Lead	Lag	Split	Lead	Lag	R1	1				2												
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R2																
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R3																
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R4																
VEHICULAR AND PEDESTRIAN DETECTION											COORDINATION/OPERATION SETTINGS												
Approach		Vehicle Detection						Pedestrian Detection						CHANGE (ADD ONLY, ADD/SUBT, OTHR)						ADD/SUBT			
		Movements and Call Delay (s)			Locking			Phase # / Crossing		Load Switch #				REST IN WALK FOR COORD PHASE (Y/N)						N			
		Left	Thru	Right	Left	Thru	Right							PUSHBUTTONS FOR COORD PHASE (Y/N)						N			
NB Chilson Road		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	M-36 at the EAST leg														
SB Chilson Road		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	M-36 at the WEST leg														
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
ADDITIONAL EVENT/ACTION PLAN DATA											DISAPPEARING CASE SIGN												
		PHASE	1	2	3	4	5	6	7	8													
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
EVNT/ACTN PLN	OFFSET	CYCLE																					
REMARKS												PREPARED BY: TGB DATE: <input type="checkbox"/> MDOT <input type="checkbox"/> County <input type="checkbox"/> City <input checked="" type="checkbox"/> Consultant LOCATION: M-36 at Chilson Road CONTROL SECTION-SPOT # 47041-01-012											

[SEMCOG | Southeast Michigan Council of Governments](#)

Community Profiles

YOU ARE VIEWING DATA FOR:

Hamburg Township

10405 Merrill Rd
Hamburg, MI 48139-0157
<https://www.hamburg.mi.us/>



Census 2020 Population: 21,259
Area: 36 square miles

[VIEW COMMUNITY EXPLORER MAP](#)

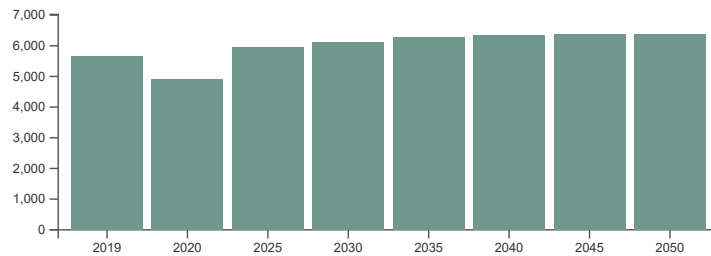
[VIEW 2020 CENSUS MAP](#)

Economy & Jobs

Link to American Community Survey (ACS) Profiles: **Select a Year** **Economic**

Forecasted Jobs

NUMBER OF JOBS



Note: The base year for the employment forecast is 2019, as 2020 employment was artificially low due to the COVID recession.

Source: SEMCOG 2050 Regional Development Forecast

Forecasted Jobs by Industry Sector

Item 20.

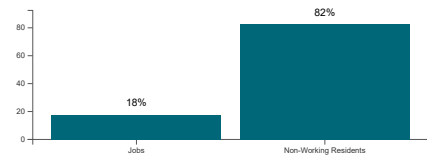
Forecasted Jobs By Industry Sector	2019	2020	2025	2030	2035	2040	2045	2050	Change 2019-2050	Pct Change 2019-2050
Natural Resources, Mining, & Construction	627	581	786	808	807	786	776	770	143	22.8%
Manufacturing	402	370	419	416	403	389	366	342	-60	-14.9%
Wholesale Trade	89	84	94	107	113	112	113	112	23	25.8%
Retail Trade	389	373	393	391	378	363	356	342	-47	-12.1%
Transportation, Warehousing, & Utilities	138	134	153	153	158	159	161	162	24	17.4%
Information & Financial Activities	892	745	864	886	918	930	943	959	67	7.5%
Professional and Technical Services & Corporate HQ	530	374	532	575	603	620	631	649	119	22.5%
Administrative, Support, & Waste Services	468	384	446	483	516	545	568	597	129	27.6%
Education Services	404	389	434	449	472	475	480	481	77	19.1%
Healthcare Services	340	312	459	470	491	501	503	510	170	50%
Leisure & Hospitality	672	548	689	713	747	769	769	765	93	13.8%
Other Services	502	427	476	477	486	499	506	511	9	1.8%
Public Administration	191	187	211	175	181	186	186	184	-7	-3.7%
Total Employment Numbers	5,644	4,908	5,956	6,103	6,273	6,334	6,358	6,384	740	13.1%

Note: The base year for the employment forecast is 2019, as 2020 employment was artificially low due to the COVID recession.

Source: SEMCOG 2050 Regional Development Forecast

Daytime Population

Daytime Population	ACS 2016
Jobs	2,202
Non-Working Residents	10,365
Age 15 and under	3,893
Not in labor force	5,833
Unemployed	639
Daytime Population	12,567



Source: 2012-2016 American Community Survey 5-Year Estimates and 2012-2016 Census Transportation Planning Products Program (CTPP). For additional information, visit SEMCOG's Interactive Commuting Patterns Map

Note: The number of residents attending school outside Southeast Michigan is not available. Likewise, the number of students commuting into Southeast Michigan to attend school is also not known.

Where Workers Commute From 2016

Item 20.

Rank	Where Workers Commute From *	Workers	Percent
1	Hamburg Twp	1,376	62.5%
2	Out of the Region, Instate	121	5.5%
3	Genoa Twp	66	3%
4	Brighton Twp	62	2.8%
5	Putnam Twp	58	2.6%
6	Northfield Twp	47	2.1%
7	Brighton	40	1.8%
8	Oceola Twp	40	1.8%
9	Canton Twp	31	1.4%
10	Marion Twp	28	1.3%
-	Elsewhere	333	15.1%
* Workers, age 16 and over employed in Hamburg Twp		2,202	100%

Source: U.S. Census Bureau - 2012-2016 CTPP/ACS Commuting Data and Commuting Patterns in Southeast Michigan

Where Residents Work 2016

Rank	Where Residents Work *	Workers	Percent
1	Ann Arbor	1,695	15.2%
2	Hamburg Twp	1,376	12.3%
3	Green Oak Twp	652	5.8%
4	Brighton	548	4.9%
5	Genoa Twp	419	3.8%
6	Brighton Twp	411	3.7%
7	Out of the Region, Instate	342	3.1%
8	Howell Twp	317	2.8%
9	Pittsfield Twp	286	2.6%
10	Livonia	266	2.4%
-	Elsewhere	4,858	43.5%
* Workers, age 16 and over residing in Hamburg Twp		11,170	100%

Source: U.S. Census Bureau - 2012-2016 CTPP/ACS Commuting Data and Commuting Patterns in Southeast Michigan

Household Income

Income (in 2021 dollars)	ACS 2010	ACS 2021	Change 2010-2021	Percent Change 2010-2021
Median Household Income	\$105,189	\$98,550	\$-6,639	-6.3%
Per Capita Income	\$43,401	\$48,295	\$4,894	11.3%

Source: U.S. Census Bureau, 2006-2010 and 2017-2021 American Community Survey 5-Year Estimates

Community Profiles

YOU ARE VIEWING DATA FOR:

Hamburg Township

10405 Merrill Rd
Hamburg, MI 48139-0157
<https://www.hamburg.mi.us/>



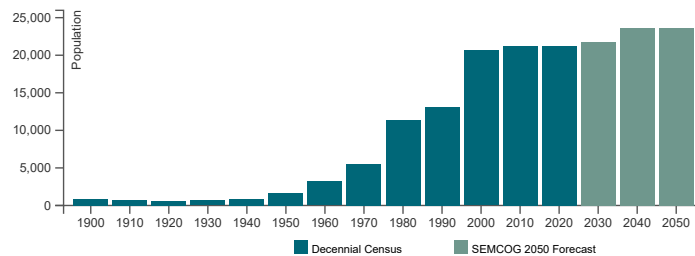
Census 2020 Population: 21,259
Area: 36 square miles

[VIEW COMMUNITY EXPLORER MAP](#) [VIEW 2020 CENSUS MAP](#)

Population and Households

Link to American Community Survey (ACS) Profiles: **Select a Year** **Social | Demographic**
Population and Household Estimates for Southeast Michigan, 2023

Population Forecast



POPULATION:

Population and Households

Population and Households	Census 2020	Census 2010	Change 2010-2020	Pct Change 2010-2020	SEMCOG Jul 2023	SEMCOG 2050
Total Population	21,259	21,165	94	0.4%	21,229	23,616
Group Quarters Population	0	14	-14	-100.0%	12	69
Household Population	21,259	21,151	108	0.5%	21,217	23,547
Housing Units	8,926	8,668	258	3.0%	9,062	-
Households (Occupied Units)	8,257	7,860	397	5.1%	8,612	9,153
Residential Vacancy Rate	7.5%	9.3%	-1.8%	-	5.0%	-
Average Household Size	2.57	2.69	-0.12	-	2.46	2.57

Source: U.S. Census Bureau and SEMCOG 2050 Regional Development Forecast

Components of Population Change

Components of Population Change	2000-2005 Avg.	2006-2010 Avg.	2011-2018 Avg.
Natural Increase (Births - Deaths)	140	24	37
Births	241	124	168
Deaths	101	100	131
Net Migration (Movement In - Movement Out)	210	-266	-106
Population Change (Natural Increase + Net Migration)	350	-242	-69

Source: Michigan Department of Community Health
Statistics, U.S. Census Bureau, and SEMCOG

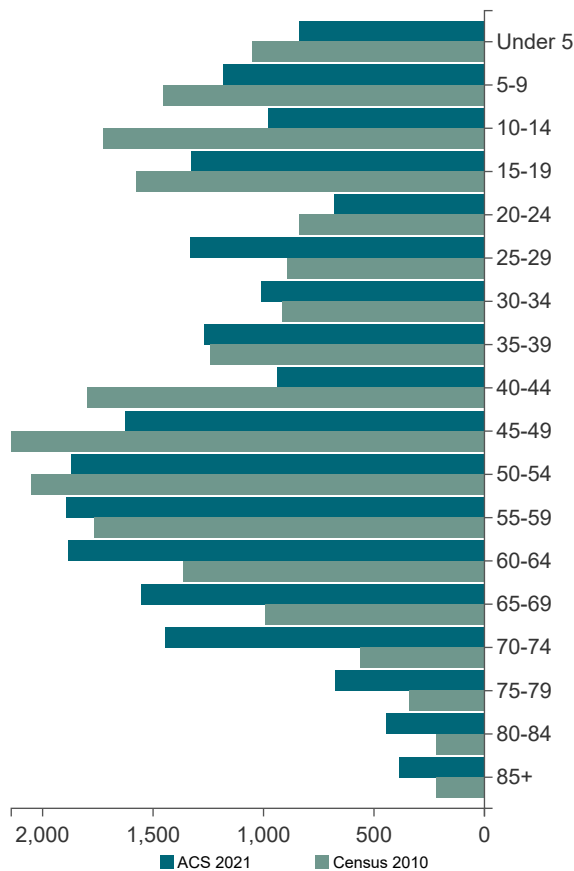
Item 20.

Household Types

Household Types	Census 2010	ACS 2021	Change 2010-2021	Pct Change 2010-2021	SEMCOG 2050
With Seniors 65+	1,629	2,989	1,360	83.5%	-
Without Seniors	6,231	5,533	-698	-11.2%	-
Live Alone, 65+	426	627	201	47.2%	-
Live Alone, <65	926	900	-26	-2.8%	-
2+ Persons, With children	2,833	2,382	-451	-15.9%	-
2+ Persons, Without children	3,675	4,613	938	25.5%	-
Total Households	7,860	8,522	662	8.4%	-

Source: U.S. Census Bureau, Decennial Census, 2017-2021 American Community Survey 5-Year Estimates, and SEMCOG 2050 Regional Development Forecast

Population Change by Age, 2010-2021



Age Group	Census 2010	Change 2000-2010	ACS 2021	Change 2010-2021
Under 5	1,052	-542	841	-211
5-9	1,456	-331	1,183	-273
10-14	1,726	-63	979	-747
15-19	1,579	206	1,330	-249
20-24	838	138	680	-158
25-29	895	-110	1,332	437
30-34	914	-810	1,013	99
35-39	1,244	-949	1,270	26
40-44	1,797	-306	939	-858
45-49	2,142	317	1,629	-513
50-54	2,054	547	1,870	-184
55-59	1,769	706	1,896	127
60-64	1,364	702	1,886	522
65-69	994	555	1,554	560
70-74	564	200	1,448	884
75-79	340	96	675	335
80-84	220	62	445	225
85+	217	120	386	169
Total	21,165	538	21,356	191
Median Age	42.6	6.8	48.4	5.8

Source: U.S. Census Bureau, Decennial Census, and 2017-2021 American Community Survey 5-Year Estimates

Race and Hispanic Origin

Race and Hispanic Origin	Census 2010	Percent of Population 2010	Census 2020	Percent of Population 2020	Percentage Point Change 2010-2020
Non-Hispanic	20,886	98.7%	20,799	97.8%	-0.8%
White	20,367	96.2%	19,593	92.2%	-4.1%
Black	66	0.3%	68	0.3%	0%
Asian	122	0.6%	143	0.7%	0.1%
Multi-Racial	242	1.1%	883	4.2%	3%
Other	89	0.4%	112	0.5%	0.1%
Hispanic	279	1.3%	460	2.2%	0.8%
Total	21,165	100%	21,259	100%	0%

Source: U.S. Census Bureau Decennial Census

Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 01/2016)

External # 0058312
Crash ID 1984340

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File Class 9300-1

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100		Department Name Hamburg Township Police Department				Incident # 2000252			Reviewer DUHAIME, MATTHEW		
Crash Date 03/12/2020	Crash Time 14:43	No. of Units 02	Crash Type Sideswipe-Same	Special Circumstances <input checked="" type="radio"/> None <input type="radio"/> Ejecting Police <input type="radio"/> Hit and Run <input type="radio"/> Unknown <input type="radio"/> School Bus <input type="radio"/> Animal			Special Checks <input type="radio"/> Fatal <input type="radio"/> Non-Traffic Area <input type="radio"/> ORV/Snowmobile				
County 47 - Livingston	Traffic Control None	Relation to Roadway On the Road		Weather Clear		Area NON-FRWY Driveway Related					
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None		2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 02	Speed Limit 45	Posted Yes		
Work Zone (if applicable) Type		Workers Present		Activity		Location					

Prefix E		Primary Road Name M36			Road Type HWY		Suffix		Divided Roadway		
Distance / Direction 50 Feet E				Trafficway Not Physically Divided							
Prefix E		Intersecting Road Name CHILSON			Road Type RD		Suffix		Divided Roadway		

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/##/#### (90)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex F	Total Occupants 01	Hazardous Action Reckless Driving	
Unit Type MV	Driver Information ##### ##### REDFORD, MI 48239 (###) ###-####				Driver is Owner Yes	Injury C	Position Front - Left		Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Other				2nd		Driver Distracted By Unknown		Ejected	Trapped	Airbag Deployed Deployed - Front

Hospital PROVIDENCE HOSP & MEDICAL CENTERS-PROVIDENCE PARK					Ambulance LIVINGSTON COUNTY EMS						
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Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending Test Results:		Interlock Device No		
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Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Refused <input type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other		
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Vehicle Registration DVJ4288	State MI	Vehicle Description Year 2008	Make DODGE	Model AVENGER	Color SILVER OR ALUMI	
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VIN 1B3LC6KX8N639755	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect	
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Automation System(s) in Vehicle No	Automation System Level in Vehicle	Automation System Level Engaged at Time of Crash			
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Insurance Company #####		Insurance Policy # #####		Towed By CORRIGAN'S	Towed To CORRIGAN'S
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Location of Greatest Damage 08	First Impact 08	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction W	Vehicle Use Private	Action Prior Going Straight Ahead
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Sequence of Events First ● 17 - Motor Veh in Transport				Second		Third		Fourth	
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Passenger Information					Date of Birth (Age)	Sex	Position		Restraint
					Injury	Ejected	Trapped	Airbag Deployed	

Hospital					Ambulance				
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Passenger Information					Date of Birth (Age)	Sex	Position		Restraint
					Injury	Ejected	Trapped	Airbag Deployed	

Hospital					Ambulance				
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Carrier Information					USDOT		MC	MPSC		
					Driver's CDL Type		Endorsements OH OP OT ON OS OX		CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other	

GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.		Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill		ID #	Class #	
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Owner Information ##### ##### #####, ## #####-#### (###) ###-####					Owner Information				
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Damaged Property HIAWATHA CHURCH SIGN			Public No	Owner & Phone ##### (###) ###-####
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Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (71)	License Type ● Operator ○ Chauffeur ○ Moped	Endorsements ○ Cycle ○ Farm ○ Recreation	Sex M	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### ##### PINCKNEY, MI 48169 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt			
Driver Condition at Time of Crash 1st Appeared Normal			2nd		Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed	
Hospital NONE				Ambulance NONE						
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type ○ Breath ○ Blood ○ Urine ○ Field ○ PBT ○ Refused ○ Not Offered			Alcohol Test Results ○ Pending Test Results:		Interlock Device No			
Drug Suspected No	Contributing Factor No	Drug Test Type ○ Blood ○ Urine ○ Field ○ Refused ○ Not Offered			Drug Test Results ○ Pending Test Results:		Citation Issued ○ Hazardous ○ Other			
Vehicle Registration DHC9260	State MI	Vehicle Description Year 2019	Make CHEVROLET	Model TRAX	Color WHITE					
VIN 3GNCJKSB0KL285915	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect					
Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash					
Insurance Company #####			Insurance Policy # #####		Towed By CORRIGAN'S		Towed To CORRIGAN'S			
Location of Greatest Damage 04	First Impact 04	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Going Straight Ahead			
Sequence of Events ● 17 - Motor Veh in Transport				First		Second		Third		Fourth

PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Position	Restraint	
	Injury	Ejected	Trapped	Airbag Deployed				
Hospital				Ambulance				
PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Position	Restraint	
	Injury	Ejected	Trapped	Airbag Deployed				
Hospital				Ambulance				

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC
	GVWR/GCWR ○ 10,000 lbs. or Less ○ 10,001 - 26,000 lbs. ○ Greater than 26,000 lbs.		Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material ○ Placard ○ Cargo Spill
Driver's CDL Type			Endorsements OH OP OT ON OS OX		CDL Exempt ○ Farm ○ Other	

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####			Owner Information		
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WITNESS	Witness Information			Witness Information		
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Investigated at Scene Yes	Reported Date (Time) 03/12/2020 (17:43)	1st Investigator Name (Badge) LEEDS, KIMBERLY (00040)	2nd Investigator Name (Badge)	Photos No
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Narrative VEH 1 WAS OBSERVED BY SEVERAL CALLERS, DRIVING ON AND OFF THE ROADWAY, CRASHING INTO SIGNS. VEH 1 CONTINUED WEST ON M36, AND ATTEMPTED TO PASS VEH 2 ON THE RIGHT, STRIKING IT. BOTH VEHICLES WERE COMPLETELY DISABLED. OC-88 COMPLETED ON DRIVER OF VEH 1	Diagram
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Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 01/2016)

External # 0058220
Crash ID 1970793

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File Class 9300-1
Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department					Incident # 2000233	
Crash Date 03/05/2020	Crash Time 08:05	No. of Units 02	Crash Type Head On	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile		
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road	Weather Clear	Area INTR Within Intersection			
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 03	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location							

LOCATION

Prefix E M36	Primary Road Name E M36	Road Type	Suffix	Divided Roadway	
Distance / Direction AT		Trafficway Not Physically Divided			
Prefix CHILSON	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway	

UNIT / DRIVER

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (52)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Total Occupants 01	Hazardous Action Careless Driving
Unit Type MV	Driver Information ##### HOWELL, MI 48843 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt		
Driver Condition at Time of Crash 1st Appeared Normal		2nd		Driver Distracted By Other Activity Inside Veh		Ejected	Trapped	Airbag Deployed Deployed - Front	
Hospital REFUSE		Ambulance REFUSE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Alcohol Test Results <input type="checkbox"/> Pending	Test Results:	Interlock Device No		
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Drug Test Results <input type="checkbox"/> Pending	Test Results:	Citation Issued <input type="checkbox"/> Hazardous <input checked="" type="checkbox"/> Other		
Vehicle Registration 1MNS19	State MI	Vehicle Description Year 2003	Make CHEVROLET	Model CAVALIER	Color RED				
VIN 3G1JC52F53S204258	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect					
Automation System(s) in Vehicle No		Automation System Level in Vehicle		Automation System Level Engaged at Time of Crash					
Insurance Company #####		Insurance Policy # #####		Towed By CORRIGAN'S		Towed To OWNER DISCRETION			
Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction E	Vehicle Use Private		Action Prior Avoiding Veh Front/Back		
Sequence of Events ● indicates MOST harmful event		First ● 17 - Motor Veh in Transport		Second		Third		Fourth	

PASSENGERS

Passenger Information	Date of Birth (Age)	Sex	Position	Restraint
Injury	Ejected	Trapped	Airbag Deployed	
Hospital		Ambulance		
Passenger Information	Date of Birth (Age)	Sex	Position	Restraint
Injury	Ejected	Trapped	Airbag Deployed	
Hospital		Ambulance		

TRUCK/BUS

Carrier Information	USDOT	MC	MPSC			
Driver's CDL Type	Endorsements O H O P O T O N O S O X	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other				
GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #	Class #

OWNERS

Owner Information ##### ##### #####, ## #####-#### (###) ###-####	Owner Information
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Damaged Property	Public	Owner & Phone
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SANITIZED

SANITIZED

Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (67)	License Type ● Operator ○ Chauffeur ○ Moped	Endorsements ○ Cycle ○ Farm ○ Recreation	Sex M	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### ##### WHITMORE LAKE, MI 48189 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt			
Driver Condition at Time of Crash 1st Appeared Normal				2nd Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		
Hospital REFUSE				Ambulance REFUSE						
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type ○ Breath ○ Blood ○ Urine ○ Field ○ PBT ○ Refused ○ Not Offered			Alcohol Test Results ○ Pending Test Results:		Interlock Device No			
Drug Suspected No	Contributing Factor No	Drug Test Type ○ Blood ○ Urine ○ Field ○ Refused ○ Not Offered			Drug Test Results ○ Pending Test Results:		Citation Issued ○ Hazardous ○ Other			
Vehicle Registration CXL387	State MI	Vehicle Description Year 2004	Make	Model ES330	Color BLACK					
VIN JTHBA30G945000297	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect						
Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash					
Insurance Company #####			Insurance Policy # #####			Towed By CORRIGAN'S		Towed To OWNER DISCRETION		
Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction W	Vehicle Use Private			Action Prior Going Straight Ahead		
Sequence of Events ● indicates MOST harmful event)				First ● 17 - Motor Veh in Transport		Second		Third		Fourth

PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed			
Hospital				Ambulance			
PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed			
Hospital				Ambulance			

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC		
	GVWR/GCWR ○ 10,000 lbs. or Less ○ 10,001 - 26,000 lbs. ○ Greater than 26,000 lbs.			Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material ○ Placard ○ Cargo Spill	ID #
Driver's CDL Type			Endorsements OH OP OT ON OS OX		CDL Exempt ○ Farm ○ Other			

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####			Owner Information		
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WITNESS	Witness Information			Witness Information		
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Investigated at Scene Yes	Reported Date (Time) 03/05/2020 (08:13)	1st Investigator Name (Badge) FISCHHABER, ADAM (00034)	2nd Investigator Name (Badge)	Photos No
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Narrative
#1 was turning left from southbound Chilson Road onto eastbound M36. The driver was attempting to retrieve sun glasses inside the vehicle when the vehicle in front of him stopped for the light. To avoid the collision, the driver turned into the westbound lane of M36 and struck #1 head on. #2 was in the westbound lane of travel beginning a right turn from westbound M36 to northbound Chilson Road. No injuries.

Diagram

Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 01/2016)

External # 0058510
Crash ID 2005264

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File Class 9300-1
Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2000394	Reviewer GARBACKI, ALYSHA
Crash Date 05/19/2020	Crash Time 16:06	No. of Units 02	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road		Weather Cloudy	Area INTR Within Intersection
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 03 Speed Limit 45 Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location					

Prefix E	Primary Road Name M36	Road Type HWY	Suffix	Divided Roadway
Distance / Direction 40 Feet E		Trafficway Not Physically Divided		
Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (60)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex F	Total Occupants 02	Hazardous Action Careless Driving
Unit Type MV	Driver Information ##### LUPTON, MI 48635-9755 (###)###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt		
Driver Condition at Time of Crash 1st Emotional 2nd				Driver Distracted By Comm Dev (Text, Type, Dial)		Ejected	Trapped	Airbag Deployed Deployed - Front	
Hospital NONE		Ambulance NONE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Alcohol Test Results <input type="checkbox"/> Pending Test Results:		Interlock Device No		
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Drug Test Results <input type="checkbox"/> Pending Test Results:		Citation Issued <input checked="" type="checkbox"/> Hazardous <input type="checkbox"/> Other		
Vehicle Registration CKG750	State MI	Vehicle Description 2009	Year 2009	Make PONTIAC	Model G6	Color MAROON OR BURGU			
VIN 1G2ZG57NX94220645	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable		Private Trailer Type	Vehicle Defect			
Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash				
Insurance Company #####		Insurance Policy # #####			Towed By CORRIGAN		Towed To CORRIGAN		
Location of Greatest Damage 02	First Impact 02	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Going Straight Ahead		
Sequence of Events First ● 17 - Motor Veh in Transport Second Third Fourth (● indicates MOST harmful event)									

Passenger Information ##### ANN ARBOR, MI 48103 (###)###-####	Date of Birth (Age) ##/##/#### (0)	Sex F	Position 2nd Row - Left	Restraint Child - Rear Facing
Hospital NONE		Ambulance NONE		
Passenger Information		Date of Birth (Age)	Sex	Position
Hospital		Ambulance		

Carrier Information	USDOT	MC	MPSC
Driver's CDL Type		Endorsements <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> T <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> X	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other
GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card
Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill		ID #	Class #

Owner Information ##### ##### #####	Owner Information
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Damaged Property	Public	Owner & Phone
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Item 20.

Unit Number 02		Unit Known Yes		State MI		Driver License Number #####		Date of Birth (Age) ##/##/#### (27)		License Type <input checked="checked" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped		Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation		Sex F		Total Occupants 01		Hazardous Action None	
Unit Type MV		Driver Information ##### PINCKNEY, MI 48169-8039 (###) ###-####								Driver is Owner Yes		Injury O		Position Front - Left		Restraint Shoulder and Lap Belt			
Driver Condition at Time of Crash 1st Appeared Normal				2nd				Driver Distracted By Not Distracted				Ejected		Trapped		Airbag Deployed Not Deployed			
Hospital NONE						Ambulance NONE													
Alcohol Suspected No		Contributing Factor No		Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered				Alcohol Test Results <input type="checkbox"/> Pending		Test Results:		Interlock Device No							
Drug Suspected No		Contributing Factor No		Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered				Drug Test Results <input type="checkbox"/> Pending		Test Results:		Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other							
Vehicle Registration CXZ058		State MI		Vehicle Description Year 2011		Make VOLKSWAGON		Model JETTA		Color GOLD									
VIN 3VWDZ7AJ3BM382870				Vehicle Type Passenger Car, SUV, Van				Special Vehicles Not Applicable		Private Trailer Type		Vehicle Defect							
Automation System(s) in Vehicle No				Automation System Level in Vehicle				Automation System Level Engaged at Time of Crash											
Insurance Company #####				Insurance Policy # #####				Towed By				Towed To OWNER DISCRETION							
Location of Greatest Damage 06		First Impact 06		Extent of Damage (Power Unit and/or Trailers) Functional Damage				Vehicle Direction W		Vehicle Use Private				Action Prior Stopped on Roadway					
Sequence of Events First				● 17 - Motor Veh in Transport				Second				Third				Fourth			

PASSENGERS	Passenger Information								Date of Birth (Age)		Sex		Position				Restraint	
	Injury		Ejected		Trapped		Airbag Deployed											
Hospital								Ambulance										
Passenger Information								Date of Birth (Age)		Sex		Position				Restraint		
Injury		Ejected		Trapped		Airbag Deployed												
Hospital								Ambulance										

TRUCK/BUS	Carrier Information						USDOT		MC		MPSC				
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.		Vehicle Configuration				Cargo Body Type		Medical Card		Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill		ID #	Class #	
Driver's CDL Type		Endorsements <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> T <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> X		CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other											

OWNERS	Owner Information ##### ##### #####, ## ####-#### (###) ###-####								Owner Information			
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WITNESS	Witness Information								Witness Information			
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Investigated at Scene Yes		Reported Date (Time) 05/19/2020 (16:28)		1st Investigator Name (Badge) WALLACE, TONY (00010)		2nd Investigator Name (Badge)		Photos No			
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Narrative Vehicle #2 was stopped at the red traffic light when vehicle #1 rear-ended vehicle #2. Driver #1 stated she was watching a video on her phone when she rear-ended vehicle #2. No injuries.								Diagram			
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Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 01/2016)

External # 0058889
Crash ID 2038932

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File Class 9300-1
Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department					Incident # 2000567	Reviewer PRICE, DANIELLE
Crash Date 07/13/2020	Crash Time 09:03	No. of Units 02	Crash Type Rear End	Special Circumstances <input checked="" type="radio"/> None <input type="radio"/> Fleeing Police <input type="radio"/> Hit and Run <input type="radio"/> Unknown <input type="radio"/> School Bus <input type="radio"/> Animal		Special Checks <input type="radio"/> Fatal <input type="radio"/> Non-Traffic Area <input type="radio"/> ORV/Snowmobile	
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road		Weather Clear	Area NON-FRWY Straight Roadway		
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 02	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location							

Prefix M36 R	Primary Road Name	Road Type	Suffix	Divided Roadway N
Distance / Direction 10 Feet E Trafficway Not Physically Divided				
Prefix PETTYS	Intersecting Road Name	Road Type RD	Suffix	Divided Roadway N

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (65)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex M	Total Occupants 01	Hazardous Action Disregard Traffic Control
Unit Type MV	Driver Information ##### ##### WHITMORE LAKE, MI 48189 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Appeared Normal 2nd				Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed	

Hospital NONE	Ambulance NONE	
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Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered	Alcohol Test Results <input type="radio"/> Pending Test Results:	Interlock Device No
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Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered	Drug Test Results <input type="radio"/> Pending Test Results:	Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other
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Vehicle Registration DRR7641	State MI	Vehicle Description Year 2004	Make FORD	Model F250	Color WHITE
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VIN 1FTNX21L64EA86395	Vehicle Type Pickup Truck	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect
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Automation System(s) in Vehicle No	Automation System Level in Vehicle	Automation System Level Engaged at Time of Crash
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Insurance Company #####	Insurance Policy # #####	Towed By CORRIGAN'S	Towed To OWNER DISCRETION
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Location of Greatest Damage 02	First Impact 02	Extent of Damage (Power Unit and/or Trailers) Disabling Damage	Vehicle Direction W	Vehicle Use Private	Action Prior Going Straight Ahead
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Sequence of Events First ● 17 - Motor Veh in Transport (● indicates MOST harmful event)	Second	Third	Fourth
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Passenger Information		Date of Birth (Age)	Sex	Position	Restraint
Injury	Ejected	Trapped	Airbag Deployed		

Hospital	Ambulance
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Passenger Information		Date of Birth (Age)	Sex	Position	Restraint
Injury	Ejected	Trapped	Airbag Deployed		

Hospital	Ambulance
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Carrier Information	USDOT	MC	MPSC
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Driver's CDL Type	Endorsements OH OP OT ON OS OX	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other
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GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill	ID #	Class #
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Owner Information ##### ##### #####, ## #####-#### (###) ###-####	Owner Information
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Damaged Property	Public	Owner & Phone
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Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (38)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex F	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### ##### BURT, MI 48417-9601 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Appeared Normal			2nd		Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed	
Hospital NONE					Ambulance NONE					
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending	Test Results:		Interlock Device No		
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending	Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other		
Vehicle Registration 3MHJ29	State MI	Vehicle Description 2019 JEEP	Year 2019	Make JEEP	Model CHEROKEE	Color SILVER OR ALUMI				
VIN 1C4PJMBXXKD188471	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect					
Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash					
Insurance Company #####			Insurance Policy # #####			Towed By CORRIGAN'S		Towed To OWNER DISCRETION		
Location of Greatest Damage 06	First Impact 06	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Stopped on Roadway			
Sequence of Events First ● 17 - Motor Veh in Transport										

PASSENGERS	Passenger Information				Date of Birth (Age)	Sex	Position		Restraint
					Injury	Ejected	Trapped	Airbag Deployed	
	Hospital				Ambulance				
PASSENGERS	Passenger Information				Date of Birth (Age)	Sex	Position		Restraint
					Injury	Ejected	Trapped	Airbag Deployed	
	Hospital				Ambulance				

TRUCK/BUS	Carrier Information				USDOT		MC	MPSC		
					Driver's CDL Type	Endorsements <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other			
GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.			Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill		ID #	Class #

OWNERS	Owner Information ##### ##### #####, ## ####-#### (###) ###-####				Owner Information					
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WITNESS	Witness Information				Witness Information					
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Investigated at Scene Yes	Reported Date (Time) 07/13/2020 (09:26)	1st Investigator Name (Badge) DEBOTTIS, DAHNE (00042)		2nd Investigator Name (Badge)		Photos No			
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Narrative

Vehicle two was stopped at red light. Vehicle one did not see red light or vehicle two stopped. Vehicle one rear ended and side swiped vehicle two.

Diagram

Authority: 1949 PA 300, Sec.257-622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 01/2016)

External # 0059975
Crash ID 2047577

Page 01 of 01
File Class 9300-1

Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2000619	Reviewer DUHAIME, MATTHEW
Crash Date 07/24/2020	Crash Time 20:26	No. of Units 02	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road		Weather Clear	Area INTR Within Intersection
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 06 Speed Limit 45 Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location					

LOCATION	Prefix E M36	Primary Road Name E M36	Road Type	Suffix	Divided Roadway
	Distance / Direction AT Trafficway Not Physically Divided				
	Prefix CHILSON	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

UNIT / DRIVER	Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (27)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Total Occupants 01	Hazardous Action Other	
	Unit Type MV	Driver Information ##### TAYLOR, MI 48180-2409 (###) ###-####				Driver is Owner No	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt		
	Driver Condition at Time of Crash 1st Appeared Normal			2nd		Driver Distracted By Activity Outside Vehicle		Ejected	Trapped	Airbag Deployed Not Deployed	
	Hospital NONE					Ambulance NONE					
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Alcohol Test Results <input type="checkbox"/> Pending	Test Results:	Interlock Device No			
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Drug Test Results <input type="checkbox"/> Pending	Test Results:	Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other			
	Vehicle Registration DC47190	State MI	Vehicle Description 2018	Year 2018	Make RAM	Model PROMASTER 25	Color BLUE				
	VIN 3C6TRVDGXJE159535	Vehicle Type Motor Home	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect						
	Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash					

PASSENGERS	Insurance Company #####	Insurance Policy # #####	Towed By		Towed To						
	Location of Greatest Damage 08	First Impact 08	Extent of Damage (Power Unit and/or Trailers) Minor Damage		Vehicle Direction E	Vehicle Use Commercial (Business)		Action Prior Going Straight Ahead			
	Sequence of Events First ● 17 - Motor Veh in Transport (● indicates MOST harmful event)										
	Passenger Information				Date of Birth (Age)	Sex	Position	Restraint			
					Injury	Ejected	Trapped	Airbag Deployed			
	Hospital					Ambulance					

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC		
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.			Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####				Owner Information						
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Damaged Property	Public	Owner & Phone
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SANITIZED

Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (25)	License Type ● Operator ○ Chauffeur ○ Moped	Endorsements ○ Cycle ○ Farm ○ Recreation	Sex F	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### BRIGHTON, MI 48116 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt			
Driver Condition at Time of Crash 1st Appeared Normal				2nd Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		
Hospital NONE				Ambulance NONE						
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type ○ Breath ○ Blood ○ Urine ○ Field ○ PBT ○ Refused ○ Not Offered			Alcohol Test Results ○ Pending Test Results:		Interlock Device No			
Drug Suspected No	Contributing Factor No	Drug Test Type ○ Blood ○ Urine ○ Field ○ Refused ○ Not Offered			Drug Test Results ○ Pending Test Results:		Citation Issued ○ Hazardous ○ Other			
Vehicle Registration DKT5902	State MI	Vehicle Description Year 2008	Make FORD	Model FUSION	Color MAROON OR BURG					
VIN 3FAHP08158R136458	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect					
Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash					
Insurance Company #####			Insurance Policy # #####		Towed By		Towed To			
Location of Greatest Damage 04	First Impact 04	Extent of Damage (Power Unit and/or Trailers) Minor Damage		Vehicle Direction E	Vehicle Use Private		Action Prior Stopped on Roadway			
Sequence of Events ● 17 - Motor Veh in Transport (● indicates MOST harmful event)										
Passenger Information				Date of Birth (Age)	Sex	Position	Restraint			
				Injury	Ejected	Trapped	Airbag Deployed			
Hospital				Ambulance						
Passenger Information				Date of Birth (Age)	Sex	Position	Restraint			
				Injury	Ejected	Trapped	Airbag Deployed			
Hospital				Ambulance						
Carrier Information				USDOT		MC	MPSC			
GVWR/GCWR ○ 10,000 lbs. or Less ○ 10,001 - 26,000 lbs. ○ Greater than 26,000 lbs.				Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material ○ Placard ○ Cargo Spill		ID # Class #
Driver's CDL Type OH OP OT ON OS OX				Endorsements		CDL Exempt ○ Farm ○ Other				
Owner Information ##### ##### #####, ## #####-#### (###) ###-####				Owner Information						
Witness Information				Witness Information						
Investigated at Scene Yes	Reported Date (Time) 07/24/2020 (20:48)	1st Investigator Name (Badge) FLAVIN, SPENCER (00038)			2nd Investigator Name (Badge)		Photos No			
Narrative Vehicles 1 and 2 were traveling East on M36. Vehicle 2 was stopped in traffic due to the traffic signal. Vehicle 1 was approaching Vehicle 2 when another vehicle entered the left turn lane from a nearby business, distracting driver of Vehicle 1. Vehicle 1 swerved towards the shoulder, and collided with the Passenger Rear corner of Vehicle 2. Damage on Vehicle 1 was on the driver's side front corner. Both vehicles driveable. Driver of Vehicle 2 was checked out on scene by LCA EMS, advised that she was not injured. Driver of Vehicle 1 stated he was not injured.				Diagram						

Authority: 1949 PA 300, Sec.257-622
 Compliance: Required MSP UD-10E
 Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0063288
 Crash ID 2166289

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 File Class 9300-1

Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100		Department Name Hamburg Township Police Department						Incident # 2001094				
Crash Date 12/16/2020		Crash Time 17:16		No. of Units 02		Crash Type Head On-Left Turn		Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal		Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile		
County 47 - Livingston			Traffic Control Signal			Relation to Roadway On the Road		Weather Snow		Area NON-FRWY Straight Roadway		
City/Twsp 07 - Hamburg Twp		Contributing Circumstances 1st None 2nd				Light Dark-Unlighted		Road Surface Condition Snow		Total Lanes 03	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location												

LOCATION	Prefix E		Primary Road Name M 36				Road Type HWY		Suffix		Divided Roadway	
	Distance / Direction 10 Feet W						Trafficway Not Physically Divided					
	Prefix E		Intersecting Road Name CHILSON				Road Type RD		Suffix		Divided Roadway	

UNIT / DRIVER	Unit Number 01	Unit Known Yes	State MI	Driver License Number #####			Date of Birth (Age) ##/##/#### (79)		License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped		Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation		Sex M	Race	Total Occupants 01		Hazardous Action Failed to Yield
	Unit Type MV	Driver Information ##### ##### PINCKNEY, MI 48169 (###) ###-####							Driver is Owner Yes	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt				
	Driver Condition at Time of Crash 1st Appeared Normal 2nd						Driver Distracted By Not Distracted			Ejected	Trapped	Airbag Deployed Not Deployed					
	Hospital NONE												Ambulance NONE				
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered					Alcohol Test Results <input type="checkbox"/> Pending Test Results:		Interlock Device No							
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered					Drug Test Results <input type="checkbox"/> Pending Test Results:		Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other							
	Vehicle Registration 3591J6		State MI	Vehicle Description 1994 JEEP		Make JEEP		Model CHEROKEE		Color RED							
	VIN 1J4FJ68S9RL211218			Vehicle Type Passenger Car, SUV, Van			Special Vehicles Not Applicable		Private Trailer Type		Vehicle Defect						
Automation System(s) in Vehicle No				Automation System Level in Vehicle				Automation System Level Engaged at Time of Crash									
Insurance Company #####				Insurance Policy # #####				Towed By		Towed To							
Location of Greatest Damage 08		First Impact 08	Extent of Damage (Power Unit and/or Trailers) Functional Damage				Vehicle Direction E	Vehicle Use Private			Action Prior Turning Left						
Sequence of Events First ● 17 - Motor Veh in Transport (● indicates MOST harmful event)																	

PASSENGERS	Passenger Information						Date of Birth (Age)		Sex	Race	Position	Restraint
	Hospital						Ambulance					
	Passenger Information						Date of Birth (Age)		Sex	Race	Position	Restraint
	Hospital						Ambulance					

TRUCK / BUS	Carrier Information				USDOT		MC	MPSC	
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.		Vehicle Configuration		Cargo Body Type		Medical Card		Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####						Owner Information					
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Damaged Property			Public			Owner & Phone		
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SANITIZED

SANITIZED

Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (46)	License Type ● Operator ○ Chauffeur ○ Moped	Endorsements ○ Cycle ○ Farm ○ Recreation	Sex F	Race	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### ##### PINCKNEY, MI 48169-8251 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt				
Driver Condition at Time of Crash 1st Appeared Normal				2nd Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed			
Hospital NONE				Ambulance NONE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type ○ Breath ○ Blood ○ Urine ○ Field ○ PBT ○ Refused ● Not Offered			Alcohol Test Results ○ Pending Test Results:		Interlock Device No				
Drug Suspected No	Contributing Factor No	Drug Test Type ○ Blood ○ Urine ○ Field ○ Refused ● Not Offered			Drug Test Results ○ Pending Test Results:		Citation Issued ○ Hazardous ○ Other				
Vehicle Registration 2MNS48	State MI	Vehicle Description	Year 2015	Make JEEP	Model WRANGLER UNL	Color SILVER OR ALUMI					
VIN 1C4BJWDG0FL713830	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect						
Automation System(s) in Vehicle No		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash						
Insurance Company #####		Insurance Policy # #####			Towed By		Towed To				
Location of Greatest Damage 08	First Impact 08	Extent of Damage (Power Unit and/or Trailers) Functional Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Going Straight Ahead				
Sequence of Events ● 17 - Motor Veh in Transport				First		Second		Third		Fourth	
● indicates MOST harmful event)											
UNIT / DRIVER											
PASSENGERS											
Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint			
				Injury	Ejected	Trapped	Airbag Deployed				
Hospital				Ambulance							
Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint			
				Injury	Ejected	Trapped	Airbag Deployed				
Hospital				Ambulance							
TRUCK / BUS											
Carrier Information				USDOT		MC	MPSC				
				Driver's CDL Type		Endorsements OH OP OT ON OS OX	CDL Exempt ○ Farm ○ Other				
GVWR/GCWR ○ 10,000 lbs. or Less ○ 10,001 - 26,000 lbs. ○ Greater than 26,000 lbs.		Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material ○ Placard ○ Cargo Spill		ID #	Class #		
OWNERS											
Owner Information ##### ##### #####, ## #####-#### (###) ###-####				Owner Information							
WITNESS											
Witness Information ##### ##### #####, ## #####-#### (###) ###-####				Witness Information							
Investigated at Scene Yes	Reported Date (Time) 12/22/2020 (11:32)	1st Investigator Name (Badge) WATSON, NATHAN (00041)			2nd Investigator Name (Badge)			Photos No			
Narrative Driver of unit # 1 advised that he did not see unit # 2 when making a left hand turn from eb M 36 to nb Chilson Rd. Driver of Unit #2 advised unit # 1 turned in front of her while she was wb on M 36 and she could not stop. Witness Dockett advised that he was behind unit # 2 when unit # 1 failed to yield and turned in front of unit # 2.					Diagram						

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2100324
Crash Date 04/24/2021	Crash Time 15:38	No. of Units 02	Crash Type Head On-Left Turn	Special Circumstances <input type="radio"/> None <input type="radio"/> Hit and Run <input type="radio"/> School Bus <input type="radio"/> Fleeing Police <input type="radio"/> Unknown <input type="radio"/> Animal
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road		Weather Rain
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None		Light Daylight	Road Surface Condition Wet
Work Zone (if applicable) Type	Workers Present	Activity	Location	

Prefix E	Primary Road Name M-36	Road Type HWY	Suffix	Divided Roadway
Distance / Direction 5 Feet NE		Trafficway Not Physically Divided		
Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (69)	License Type <input type="radio"/> Operator <input checked="" type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex M	Race	Total Occupants 02	Hazardous Action Failed to Yield
Unit Type MV	Driver Information ##### LIVONIA, MI 48154-3731 (###)###-####				Driver is Owner Yes	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Appeared Normal				Driver Distracted By 2nd Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		

Hospital REFUSE			Ambulance REFUSE		
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Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered		Alcohol Test Results <input type="radio"/> Pending Test Results:	Interlock Device No
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Refused <input type="radio"/> Not Offered		Drug Test Results <input type="radio"/> Pending Test Results:	Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other

Vehicle Registration 5MDH20	State MI	Vehicle Description Year 2008	Make CHEVROLET	Model UPLANDER	Color MAROON OR BURGU
VIN 1GNDV23W98D198510	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect	

Automation System(s) in Vehicle No	Automation System Level in Vehicle	Automation System Level Engaged at Time of Crash
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Insurance Company #####	Insurance Policy # #####	Towed By	Towed To
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Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Functional Damage	Vehicle Direction S	Vehicle Use Private	Action Prior Turning Left
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Sequence of Events	First ● 17 - Motor Veh in Transport	Second	Third	Fourth
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Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
Injury		Ejected	Trapped	Airbag Deployed	

Hospital			Ambulance		
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Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
Injury		Ejected	Trapped	Airbag Deployed	

Hospital			Ambulance		
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Carrier Information	USDOT	MC	MPSC
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GVMR/GCWR ○ 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material ○ Placard <input type="radio"/> Cargo Spill	ID #	Class #
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Driver's CDL Type	Endorsements O H O P O T O N O S O X	CDL Exempt ○ Farm ○ Other
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Owner Information ##### ##### #####	Owner Information ##### (###)###-####
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Damaged Property	Public	Owner & Phone
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SANITIZED SANITIZED SANITIZED SANITIZED SANITIZED

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (43)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex M	Race	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### PINCKNEY, MI 48169 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt				
Driver Condition at Time of Crash 1st Appeared Normal			2nd			Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed	
Hospital REFUSE					Ambulance REFUSE						
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending Test Results:		Interlock Device No				
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other				
Vehicle Registration CJM0472	State MI	Vehicle Description 2008	Year	Make JEEP	Model PATRIOT		Color BLUE				
VIN 1J8FF28W98D528887	Vehicle Type Passenger Car, SUV, Van			Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect					
Automation System(s) in Vehicle No	Automation System Level in Vehicle				Automation System Level Engaged at Time of Crash						
Insurance Company #####			Insurance Policy # #####			Towed By		Towed To			
Location of Greatest Damage 08	First Impact 08	Extent of Damage (Power Unit and/or Trailers) Functional Damage			Vehicle Direction N	Vehicle Use Private		Action Prior Going Straight Ahead			
Sequence of Events First <input checked="" type="radio"/> 17 - Motor Veh in Transport Second Third Fourth (● indicates MOST harmful event)											

PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint
				Injury	Ejected	Trapped	Airbag Deployed	
	Hospital			Ambulance				
PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint
				Injury	Ejected	Trapped	Airbag Deployed	
	Hospital			Ambulance				

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC		
				Driver's CDL Type	Endorsements <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other		
GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.			Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill	ID #	Class #

OWNERS	Owner Information #####			Owner Information				
	#####			#####				

WITNESS	Witness Information			Witness Information				

Investigated at Scene Yes	Reported Date (Time) 04/24/2021 (16:00)	1st Investigator Name (Badge) WALLACE, TONY (00010)	2nd Investigator Name (Badge)	Photos No
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Narrative Vehicle #1 was turning left (East) onto E M36 when it failed to yield to vehicle #2 which was traveling North through the intersection on Chilson Rd. Vehicle #1 collided with vehicle #2, no injuries.	Diagram
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Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0067899
Crash ID 2308062

Page 01 of 01
File Class 9300-1

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2100521	Reviewer WALLACE, TONY
Crash Date 07/03/2021	Crash Time 17:24	No. of Units 02	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road	Weather Clear	Area INTR Within Intersection	
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 03 Speed Limit 45 Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location					

LOCATION	Prefix E	Primary Road Name M36	Road Type HWY	Suffix	Divided Roadway
	Distance / Direction 30 Feet E				
	Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

UNIT / DRIVER	Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (58)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex F	Race	Total Occupants 01	Hazardous Action Unable to Stop	
	Unit Type MV	Driver Information ##### ##### LAKELAND, MI 48143-0000 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt			
	Driver Condition at Time of Crash 1st Appeared Normal 2nd					Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		
	Hospital REFUSE					Ambulance REFUSE						
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Alcohol Test Results <input type="checkbox"/> Pending	Test Results:	Interlock Device No				
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered			Drug Test Results <input type="checkbox"/> Pending	Test Results:	Citation Issued <input checked="" type="checkbox"/> Hazardous <input type="checkbox"/> Other				
	Vehicle Registration CWS335	State MI	Vehicle Description Year 2017	Make JEEP	Model COMPASS	Color WHITE						
	VIN 3C4NJDBB8HT651996	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect						
	Automation System(s) in Vehicle No	Automation System Level in Vehicle				Automation System Level Engaged at Time of Crash						
	Insurance Company #####			Insurance Policy # #####			Towed By		Towed To			
Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Minor Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Starting Up on Roadway					
Sequence of Events First ● 17 - Motor Veh in Transport (● indicates MOST harmful event)												

PASSENGERS	Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint			
					Injury	Ejected	Trapped	Airbag Deployed				
	Hospital				Ambulance							
	Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint			
				Injury	Ejected	Trapped	Airbag Deployed					
Hospital				Ambulance								

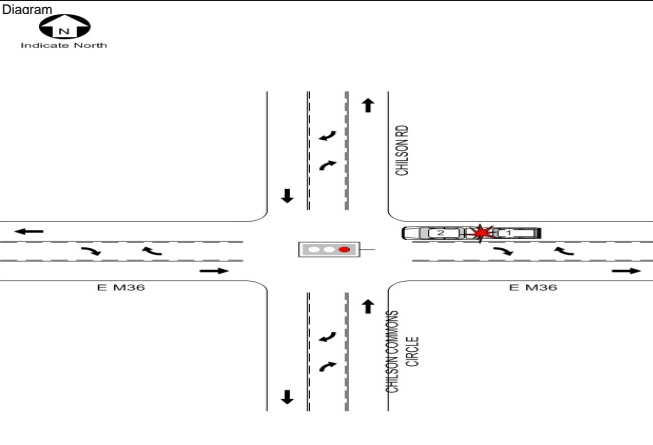
TRUCK/BUS	Carrier Information			USDOT	MC	MPSC	
				Driver's CDL Type	Endorsements OH OP OT ON OS OX	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other	
GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.		Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #	Class #

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####			Owner Information		

Damaged Property	Public	Owner & Phone

Item 20.

Unit Number 02	Unit Known Yes	State Driver License Number MI #####		Date of Birth (Age) ###/###/#### (57)	License Type <input type="radio"/> Operator <input checked="" type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex M	Race	Total Occupants 02	Hazardous Action None	
Unit Type MV	Driver Information ##### ##### WAYNE, MI 48184-1947 (###) ###-####			Driver is Owner Yes	Injury C	Position Front - Left		Restraint Shoulder and Lap Belt			
Driver Condition at Time of Crash 1st Appeared Normal				Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed			
Hospital REFUSE				Ambulance REFUSE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending Test Results:		Interlock Device No				
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other				
Vehicle Registration 9MVJ13	State MI	Vehicle Description 2019	Year 2019		Make CHEVROLET		Model MALIBU		Color BLACK		
VIN 1G1ZB5ST7KF113457			Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable		Private Trailer Type		Vehicle Defect		
Automation System(s) in Vehicle No		Automation System Level in Vehicle				Automation System Level Engaged at Time of Crash					
Insurance Company #####			Insurance Policy # #####			Towed By		Towed To			
Location of Greatest Damage 05	First Impact 05	Extent of Damage (Power Unit and/or Trailers) Minor Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Starting Up on Roadway				
Sequence of Events First ● 17 - Motor Veh in Transport				Second		Third		Fourth			

UNIT / DRIVER	Passenger Information ##### ##### WAYNE, MI 48184-1947 (###) ###-####			Date of Birth (Age) ###/###/#### (57)	Sex F	Race	Position Front - Right	Restraint Shoulder and Lap Belt			
	Injury C	Ejected	Trapped	Airbag Deployed Not Deployed							
	Hospital REFUSE				Ambulance REFUSE						
PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint			
	Injury	Ejected	Trapped	Airbag Deployed							
	Hospital				Ambulance						
TRUCK / BUS	Carrier Information				USDOT		MC	MPSC			
	Driver's CDL Type		Endorsements <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X		CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other						
	GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.	Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill		ID #	Class #		
OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####				Owner Information						
	Witness Information					Witness Information					
Investigated at Scene Yes	Reported Date (Time) 07/03/2021 (17:46)	1st Investigator Name (Badge) WALLACE, TONY (00010)			2nd Investigator Name (Badge)				Photos No		
Narrative Vehicle #2 stated he was stopped for the traffic light and when it turned green he started to accelerate and was rear-ended by vehicle #1. Driver #1 stated the light changed and she went forward and collided with vehicle #2. Driver and passenger in vehicle #2 complaining of back/neck pain, refused EMS.					Diagram  <p>Drawing Not To Scale.</p>						

Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0073268
Crash ID 2420697

Page 01 of 01
File Class 9300-1
Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2100967		Reviewer GARBACKI, ALYSHA	
Crash Date 11/11/2021	Crash Time 15:40	No. of Units 02	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile		
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road	Weather Rain	Area INTR Within Intersection			
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Wet	Total Lanes 03	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location							

LOCATION	Prefix E	Primary Road Name M36	Road Type HWY	Suffix	Divided Roadway	
	Distance / Direction 50 Feet E					Trafficway Not Physically Divided
	Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway	

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (21)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Race	Total Occupants 01	Hazardous Action Unable to Stop
Unit Type MV	Driver Information ##### ##### HOWELL, MI 48843 (###) ###-####				Driver is Owner No	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Appeared Normal			2nd		Driver Distracted By Electronic Device - Other		Ejected	Trapped	Airbag Deployed Not Deployed	

UNIT / DRIVER	Hospital REFUSE	Ambulance REFUSE
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Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered	Alcohol Test Results <input type="checkbox"/> Pending Test Results:	Interlock Device No
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Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered	Drug Test Results <input type="checkbox"/> Pending Test Results:	Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other
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Vehicle Registration ABH854	State MI	Vehicle Description Year 2008	Make TOYOTA	Model RAV4	Color WHITE
VIN JTMBK31V785062105	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect	

Automation System(s) in Vehicle No	Automation System Level in Vehicle Unknown	Automation System Level Engaged at Time of Crash Unknown
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Insurance Company #####	Insurance Policy # #####	Towed By	Towed To
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Location of Greatest Damage 08	First Impact 08	Extent of Damage (Power Unit and/or Trailers) Minor Damage	Vehicle Direction W	Vehicle Use Private	Action Prior Slowing/Stop on Roadway
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Sequence of Events ● indicates MOST harmful event)			
First	Second	Third	Fourth
● 17 - Motor Veh in Transport			

PASSENGERS	Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury Ejected Trapped Airbag Deployed					
	Hospital Ambulance					

PASSENGERS	Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury Ejected Trapped Airbag Deployed					
	Hospital Ambulance					

TRUCK/BUS	Carrier Information	USDOT	MC	MPSC		
	Driver's CDL Type Endorsements OH OP OT ON OS OX				CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other	
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #

OWNERS	Owner Information #####	Owner Information #####
	##### (###) ###-####	

Damaged Property	Public	Owner & Phone
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Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (29)	License Type ● Operator ○ Chauffeur ○ Moped	Endorsements ○ Cycle ○ Farm ○ Recreation	Sex M	Race	Total Occupants 01	Hazardous Action None
Unit Type MV	Driver Information ##### ##### PINCKNEY, MI 48169 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt		
Driver Condition at Time of Crash 1st Appeared Normal				2nd		Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed
Hospital REFUSE				Ambulance REFUSE						
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type ○ Breath ○ Blood ○ Urine ○ Field ○ PBT ○ Refused ○ Not Offered			Alcohol Test Results ○ Pending Test Results:		Interlock Device No			
Drug Suspected No	Contributing Factor No	Drug Test Type ○ Blood ○ Urine ○ Field ○ Refused ○ Not Offered			Drug Test Results ○ Pending Test Results:		Citation Issued ○ Hazardous ○ Other			
Vehicle Registration DVN9010	State MI	Vehicle Description Year 2014	Make HONDA		Model CR-V		Color BLUE			
VIN 2HKRM4H76EH636677	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable		Private Trailer Type		Vehicle Defect			
Automation System(s) in Vehicle No			Automation System Level in Vehicle Unknown			Automation System Level Engaged at Time of Crash Unknown				
Insurance Company #####			Insurance Policy # #####			Towed By			Towed To	
Location of Greatest Damage 04	First Impact 04	Extent of Damage (Power Unit and/or Trailers) Minor Damage		Vehicle Direction W	Vehicle Use Private		Action Prior Stopped on Roadway			
Sequence of Events ● 17 - Motor Veh in Transport (● indicates MOST harmful event)										

Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed	
Hospital Ambulance					
Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed	
Hospital Ambulance					

Carrier Information			USDOT	MC	MPSC		
			Driver's CDL Type	Endorsements OH OP OT ON OS OX	CDL Exempt ○ Farm ○ Other		
GVWR/GCWR ○ 10,000 lbs. or Less ○ 10,001 - 26,000 lbs. ○ Greater than 26,000 lbs.		Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material ○ Placard ○ Cargo Spill	ID #	Class #

Owner Information ##### ##### #####, ## #####-#### (###) ###-####			Owner Information		
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Witness Information			Witness Information		
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Investigated at Scene Yes	Reported Date (Time) 11/11/2021 (16:00)	1st Investigator Name (Badge) WALLACE, TONY (00010)	2nd Investigator Name (Badge)	Photos No
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Narrative Vehicle #2 was stopped at the traffic signal when driver #1 stated he looked down to turn off his GPS and rear-ended vehicle #2. No injuries to either driver.		Diagram
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Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0077110
Crash ID 2567729

Page 01 of 01
File Class 9300-1

Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department	Incident # 2200267	Reviewer PAUL, MEGAN				
Crash Date 03/28/2022	Crash Time 07:48	No. of Units 02	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile		
County 47 - Livingston	Traffic Control None	Relation to Roadway On the Road	Weather Clear	Area INTR Driveway Related			
City/Twp 07 - Hamburg Twp	Contributing Circumstances 1st Backup - Reg. Congestion 2nd		Light Dawn	Road Surface Condition Snow	Total Lanes 03	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type	Workers Present	Activity	Location				

LOCATION	Prefix E	Primary Road Name M36	Road Type HWY	Suffix	Divided Roadway
	Distance / Direction 100 Feet W		Trafficway Not Physically Divided		
	Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (17)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex F	Race	Total Occupants 01	Hazardous Action Speed Too Fast
Unit Type MV	Driver Information ##### PINCKNEY, MI 48169-8169 (###) ###-####				Driver is Owner No	Injury C	Position Front - Left	Restraint Shoulder and Lap Belt		
Driver Condition at Time of Crash 1st Appeared Normal 2nd				Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Deployed - Combination		

UNIT / DRIVER	Hospital NONE	Ambulance NONE			
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered	Alcohol Test Results <input type="checkbox"/> Pending Test Results:	Interlock Device No
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input type="checkbox"/> Not Offered	Drug Test Results <input type="checkbox"/> Pending Test Results:	Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other
	Vehicle Registration DD02744	State MI	Vehicle Description Year 2014	Make FORD	Model FUSION

VIN 3FA6P0HD5ER313927	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect
Automation System(s) in Vehicle No	Automation System Level in Vehicle Unknown	Automation System Level Engaged at Time of Crash Unknown		
Insurance Company #####	Insurance Policy # #####	Towed By CORRIGAN'S	Towed To CORRIGAN'S	

Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Disabling Damage	Vehicle Direction E	Vehicle Use Private	Action Prior Going Straight Ahead
Sequence of Events ● 17 - Motor Veh in Transport (● indicates MOST harmful event)					

PASSENGERS	Passenger Information		Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital		Ambulance				
	Passenger Information		Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital		Ambulance				
	Passenger Information		Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital		Ambulance				

TRUCK / BUS	Carrier Information	USDOT	MC	MPSC			
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #	Class #
	Driver's CDL Type		Endorsements OH OP OT ON OS OX	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other			

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####	Owner Information
	Damaged Property	Public

SANITIZED SANITIZED SANITIZED SANITIZED SANITIZED SANITIZED SANITIZED SANITIZED

Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (65)	License Type <input checked="checked" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex M	Race	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### PINCKNEY, MI 48169 (###) ###-####				Driver is Owner No	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt		
Driver Condition at Time of Crash 1st Appeared Normal				2nd Not Distracted				Ejected	Trapped	Airbag Deployed Not Deployed	
Hospital NONE				Ambulance NONE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered				Alcohol Test Results <input type="radio"/> Pending	Test Results:		Interlock Device No		
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered				Drug Test Results <input type="radio"/> Pending	Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other		
Vehicle Registration EDR4445		State MI	Vehicle Description 2017 FORD		Year 2017	Make FORD	Model F150		Color BLACK		
VIN 1FTEW1EP5HFB09157		Vehicle Type Passenger Car, SUV, Van				Special Vehicles Not Applicable		Private Trailer Type	Vehicle Defect		
Automation System(s) in Vehicle No				Automation System Level in Vehicle Unknown				Automation System Level Engaged at Time of Crash Unknown			
Insurance Company #####			Insurance Policy # #####			Towed By			Towed To		
Location of Greatest Damage 05	First Impact 05	Extent of Damage (Power Unit and/or Trailers) Minor Damage			Vehicle Direction E	Vehicle Use Private			Action Prior Going Straight Ahead		
Sequence of Events First ● 17 - Motor Veh in Transport				Second				Third			
● (indicates MOST harmful event)											

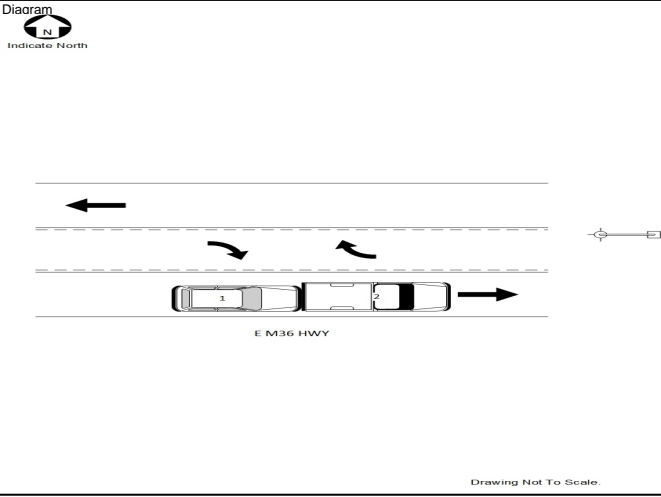
PASSENGERS	Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint			
				Injury	Ejected	Trapped	Airbag Deployed					
	Hospital				Ambulance							
	Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint			
			Injury	Ejected	Trapped	Airbag Deployed						
Hospital				Ambulance								

TRUCK/BUS	Carrier Information						USDOT	MC	MPSC			
	GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.						Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill	ID #	Class #
	Driver's CDL Type						Endorsements <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other				

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####						Owner Information					
	Witness Information						Witness Information					

Investigated at Scene Yes	Reported Date (Time) 03/28/2022 (08:25)	1st Investigator Name (Badge) LEEDS, KIMBERLY (00040)	2nd Investigator Name (Badge)	Photos No
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Narrative
 VEH 1 WAS TRAVELING EAST BEHIND VEH 2, APPROACHING CHILSON RD, ON E M36. VEH 2 SLOWED AND STOPPED FOR TRAFFIC CONGESTION. VEH 1 WAS UNABLE TO STOP AND STRUCK VEH 2. DRIVER OF VEH 1 COMPLAINED OF ARM PAIN. NO OBVIOUS INJURY AT TIME OF REPORT.



Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0077251
Crash ID 2578083

Page 01 of 02
File Class 9300-1
Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2200398			
Crash Date 05/14/2022	Crash Time 09:59	No. of Units 03	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile		
County 47 - Livingston	Traffic Control None	Relation to Roadway On the Road	Weather Clear	Area NON-FRWY Straight Roadway			
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 02	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type	Workers Present	Activity	Location				

LOCATION	Prefix E	Primary Road Name M-36	Road Type HWY	Suffix	Divided Roadway
	Distance / Direction 300 Feet E		Trafficway Not Physically Divided		
	Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (72)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Race	Total Occupants 01	Hazardous Action Unable to Stop
Unit Type MV	Driver Information ##### PINCKNEY, MI 48169 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Appeared Normal 2nd				Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		

Hospital NONE	Ambulance NONE
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Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered	Alcohol Test Results <input type="checkbox"/> Pending Test Results:	Interlock Device No
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Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered	Drug Test Results <input type="checkbox"/> Pending Test Results:	Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other
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Vehicle Registration 5MRC07	State MI	Vehicle Description Year 2002	Make CHEVROLET	Model EXPRESS G150	Color BLACK
VIN 1GNFG15R621210609	Vehicle Type Motor Home	Special Vehicles Not Applicable	Private Trailer Type Other	Vehicle Defect Other	

Automation System(s) in Vehicle No	Automation System Level in Vehicle Unknown	Automation System Level Engaged at Time of Crash Unknown
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Insurance Company #####	Insurance Policy # #####	Towed By TOWED BY OWNER	Towed To OWNER DISCRETION
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Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Functional Damage	Vehicle Direction W	Vehicle Use Private	Action Prior Going Straight Ahead
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Sequence of Events ● indicates MOST harmful event)	First ● 17 - Motor Veh in Transport	Second	Third	Fourth
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PASSENGERS	Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed		

Hospital	Ambulance
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Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
Injury	Ejected	Trapped	Airbag Deployed		

Hospital	Ambulance
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Carrier Information	USDOT	MC	MPSC
Driver's CDL Type	Endorsements OH OP OT ON OS OX	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other	

GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #	Class #
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Owner Information ##### ##### #####, ## #####-#### (###) ###-####	Owner Information
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Damaged Property	Public	Owner & Phone
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SANITIZED

SANITIZED

Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (17)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex F	Race	Total Occupants 01	Hazardous Action None	
Unit Type MV	Driver Information ##### ##### SOUTH LYON, MI 48178 (###) ###-####			Driver is Owner No	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt				
Driver Condition at Time of Crash 1st Appeared Normal				2nd		Driver Distracted By Not Distracted	Ejected	Trapped	Airbag Deployed Not Deployed		
Hospital NONE				Ambulance NONE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input checked="" type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending	Test Results:	Interlock Device No				
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input checked="" type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending	Test Results:	Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other				
Vehicle Registration DUF0861	State MI	Vehicle Description 2017	Year	Make FORD	Model ESCAPE	Color BLACK					
VIN 1FMCU0GD6HUC22567	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type Other	Vehicle Defect Other							
Automation System(s) in Vehicle No	Automation System Level in Vehicle Unknown				Automation System Level Engaged at Time of Crash Unknown						
Insurance Company #####	Insurance Policy # #####			Towed By			Towed To				
Location of Greatest Damage 05	First Impact 05	Extent of Damage (Power Unit and/or Trailers) Minor Damage		Vehicle Direction W	Vehicle Use Private			Action Prior Stopped on Roadway			
Sequence of Events First ● 17 - Motor Veh in Transport				Second				Third			
				Fourth							

PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint		
				Injury	Ejected	Trapped	Airbag Deployed			
Hospital				Ambulance						
PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint		
				Injury	Ejected	Trapped	Airbag Deployed			
Hospital				Ambulance						

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC		
				Driver's CDL Type	Endorsements <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other		
GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.		Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill	ID #	Class #

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####			Owner Information			

WITNESS	Witness Information			Witness Information			

Investigated at Scene Yes	Reported Date (Time) 05/15/2022 (07:48)	1st Investigator Name (Badge) HARVEY, JUSTIN (00030)	2nd Investigator Name (Badge)	Photos No
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Narrative	Diagram
Vehicle's #2 and #3 were stopped west bound in traffic. Vehicle #1 was traveling west and rear ended vehicle #2 which struck #3. No injuries reported. Cheryl Sokoloski of vehicle #3 advised her son who was riding in the back seat has a rod in his neck from surgery and wanted it noted. She advised he was okay but she would be taking him to the doctor later to make sure nothing moved.	

Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0077251
Crash ID 2578083

Page 02 of 02
File Class 9300-1
Item 20.

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2200398	Reviewer PAUL, MEGAN
Crash Date 05/14/2022	Crash Time 09:59	No. of Units 03	Crash Type Rear End	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile
County 47 - Livingston	Traffic Control None	Relation to Roadway On the Road		Weather Clear	Area NON-FRWY Straight Roadway
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None 2nd		Light Daylight	Road Surface Condition Dry	Total Lanes 02 Speed Limit 45 Posted Yes
Work Zone (if applicable) Type Workers Present Activity Location					

LOCATION	Prefix E	Primary Road Name M-36	Road Type HWY	Suffix	Divided Roadway
	Distance / Direction 300 Feet E				
	Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway

UNIT / DRIVER	Unit Number 03	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (71)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Race	Total Occupants 03	Hazardous Action None	
	Unit Type MV	Driver Information ##### NOVI, MI 48374-2529 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt			
	Driver Condition at Time of Crash 1st Appeared Normal 2nd				Driver Distracted By Not Distracted			Ejected	Trapped	Airbag Deployed Not Deployed		
	Hospital NONE				Ambulance NONE							
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered			Alcohol Test Results <input type="checkbox"/> Pending Test Results:		Interlock Device No				
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered			Drug Test Results <input type="checkbox"/> Pending Test Results:		Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other				
	Vehicle Registration DRC4809	State MI	Vehicle Description 2022	Year	Make FORD	Model ESCAPE	Color WHITE					
	VIN 1FMCU9G65NUA23477	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type Other	Vehicle Defect Other						
	Automation System(s) in Vehicle No		Automation System Level in Vehicle Unknown			Automation System Level Engaged at Time of Crash Unknown						
	Insurance Company #####		Insurance Policy # #####			Towed By		Towed To				
Location of Greatest Damage 05	First Impact 05	Extent of Damage (Power Unit and/or Trailers) No Damage			Vehicle Direction W	Vehicle Use Private		Action Prior Stopped on Roadway				
Sequence of Events First ● 17 - Motor Veh in Transport Second Third Fourth (● indicates MOST harmful event)												

PASSENGERS	Passenger Information ##### NOVI, MI 48374-2529 (###) ###-####				Date of Birth (Age) ##/##/#### (71)	Sex F	Race	Position Front - Right	Restraint Shoulder and Lap Belt			
	Hospital NONE				Ambulance NONE							
	Passenger Information ##### CHELSEA, MI 48118-9643 (###) ###-####				Date of Birth (Age) ##/##/#### (48)	Sex M	Race	Position 2nd Row - Right	Restraint Shoulder and Lap Belt			
Hospital NONE				Ambulance NONE								

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC		
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.			Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #
Driver's CDL Type			Endorsements <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> T <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> X		CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other			

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####				Owner Information			
	Damaged Property				Public	Owner & Phone		

UNIT / DRIVER	Unit Number	Unit Known	State	Driver License Number	Date of Birth (Age)	License Type <input type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex	Race	Total Occupants	Hazardous Action	
	Unit Type	Driver Information				Driver is Owner	Injury	Position	Restraint			
	Driver Condition at Time of Crash 1st 2nd				Driver Distracted By			Ejected	Trapped	Airbag Deployed		
	Hospital					Ambulance						
	Alcohol Suspected	Contributing Factor	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending Test Results:		Interlock Device				
	Drug Suspected	Contributing Factor	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other				
	Vehicle Registration	State	Vehicle Description	Year	Make	Model	Color					
	VIN	Vehicle Type		Special Vehicles		Private Trailer Type		Vehicle Defect				
	Automation System(s) in Vehicle		Automation System Level in Vehicle			Automation System Level Engaged at Time of Crash						
	Insurance Company			Insurance Policy #		Towed By			Towed To			
	Location of Greatest Damage	First Impact	Extent of Damage (Power Unit and/or Trailers)		Vehicle Direction	Vehicle Use		Action Prior				
	Sequence of Events ● indicates MOST harmful event)		First		Second		Third			Fourth		
	PASSENGERS	Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint		
				Injury	Ejected	Trapped	Airbag Deployed					
Hospital					Ambulance							
Passenger Information				Date of Birth (Age)	Sex	Race	Position	Restraint				
				Injury	Ejected	Trapped	Airbag Deployed					
Hospital					Ambulance							
TRUCK / BUS	Carrier Information				USDOT		MC	MPSC				
					Driver's CDL Type		Endorsements <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other				
GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.		Vehicle Configuration			Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill		ID #	Class #		
OWNERS	Owner Information				Owner Information							
WITNESS	Witness Information				Witness Information							
Investigated at Scene	Reported Date (Time)	1st Investigator Name (Badge)			2nd Investigator Name (Badge)			Photos				
Narrative					Diagram							

SANITIZED

Authority: 1949 PA 300, Sec.257.622
 Compliance: Required MSP UD-10E
 Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0077299
 Crash ID 2582504

Page 01 of 01
 File Class 9300-1

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department			Incident # 2200415
Crash Date 05/19/2022	Crash Time 21:10	No. of Units 02	Crash Type Rear End	Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile
County 47 - Livingston	Traffic Control Signal	Relation to Roadway On the Road	Weather Clear	Area INTR Driveway Related
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st Backup - Reg. Congestion 2nd		Light Dark-Lighted	Road Surface Condition Dry
Work Zone (if applicable) Type	Workers Present	Activity	Location	

Prefix E	Primary Road Name M36	Road Type HWY	Suffix	Divided Roadway
Distance / Direction 150 Feet W		Trafficway Not Physically Divided		
Prefix E	Intersecting Road Name CHILSON COMMONS	Road Type CIR	Suffix	Divided Roadway

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (44)	License Type <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input checked="" type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Race	Total Occupants 01	Hazardous Action Unable to Stop
Unit Type MV	Driver Information ##### ##### WHITMORE LAKE, MI 48189 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt	
Driver Condition at Time of Crash 1st Appeared Normal 2nd				Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		

Hospital REFUSE	Ambulance REFUSE			
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered	Alcohol Test Results <input type="checkbox"/> Pending Test Results:	Interlock Device No
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered	Drug Test Results <input type="checkbox"/> Pending Test Results:	Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other

Vehicle Registration EEA4824	State MI	Vehicle Description 2019 FORD FIESTA	Year 2019	Make FORD	Model FIESTA	Color WHITE
VIN 3FADP4EJ0KM159497	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect		
Automation System(s) in Vehicle No	Automation System Level in Vehicle Unknown		Automation System Level Engaged at Time of Crash Unknown			
Insurance Company #####	Insurance Policy # #####		Towed By		Towed To	
Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Functional Damage	Vehicle Direction E	Vehicle Use Private	Action Prior Going Straight Ahead	
Sequence of Events First ● 17 - Motor Veh in Transport Second Third Fourth (● indicates MOST harmful event)						

PASSENGERS	Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury		Ejected	Trapped	Airbag Deployed	
Hospital		Ambulance				
PASSENGERS	Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury		Ejected	Trapped	Airbag Deployed	
Hospital		Ambulance				

TRUCK/BUS	Carrier Information	USDOT	MC	MPSC			
	Driver's CDL Type		Endorsements OH OP OT ON OS OX	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other			
GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.		Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill	ID #	Class #

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####	Owner Information
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Damaged Property	Public	Owner & Phone
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Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (30)	License Type ● Operator ○ Chauffeur ○ Moped	Endorsements ○ Cycle ○ Farm ○ Recreation	Sex M	Race	Total Occupants 01	Hazardous Action None
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Unit Type MV	Driver Information ##### ##### FLINT, MI 48503-2134 (###) ###-####	Driver is Owner Yes	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt
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Driver Condition at Time of Crash 1st Appeared Normal	2nd	Driver Distracted By Not Distracted	Ejected	Trapped	Airbag Deployed Not Deployed
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Hospital REFUSE	Ambulance REFUSE
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Alcohol Suspected No	Contributing Factor No	Alcohol Test Type ○ Breath ○ Blood ○ Urine ○ Field ○ PBT ○ Refused ● Not Offered	Alcohol Test Results ○ Pending Test Results:	Interlock Device No
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Drug Suspected No	Contributing Factor No	Drug Test Type ○ Blood ○ Urine ○ Field ○ Refused ● Not Offered	Drug Test Results ○ Pending Test Results:	Citation Issued ○ Hazardous ○ Other
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Vehicle Registration EFC5060	State MI	Vehicle Description Year 2017	Make JEEP	Model PATRIOT	Color BLACK
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VIN 1C4NJPBB5HD103509	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect
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Automation System(s) in Vehicle No	Automation System Level in Vehicle Unknown	Automation System Level Engaged at Time of Crash Unknown
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Insurance Company #####	Insurance Policy # #####	Towed By	Towed To
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Location of Greatest Damage 05	First Impact 05	Extent of Damage (Power Unit and/or Trailers) No Damage	Vehicle Direction E	Vehicle Use Private	Action Prior Stopped on Roadway
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Sequence of Events ● indicates MOST harmful event)	First ● 17 - Motor Veh in Transport	Second	Third	Fourth
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Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed	

Hospital	Ambulance
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Passenger Information	Date of Birth (Age)	Sex	Race	Position	Restraint
	Injury	Ejected	Trapped	Airbag Deployed	

Hospital	Ambulance
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Carrier Information	USDOT	MC	MPSC
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GVWR/GCWR ○ 10,000 lbs. or Less ○ 10,001 - 26,000 lbs. ○ Greater than 26,000 lbs.	Vehicle Configuration	Cargo Body Type	Medical Card	Hazardous Material ○ Placard ○ Cargo Spill	ID #	Class #
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Owner Information ##### ##### #####, ## #####-#### (###) ###-####	Owner Information
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Witness Information	Witness Information
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Investigated at Scene Yes	Reported Date (Time) 05/19/2022 (21:30)	1st Investigator Name (Badge) PEDERSEN, JOSHUA (00013)	2nd Investigator Name (Badge)	Photos No
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Narrative Unit 2 was stopped on E M36 for the red light when Unit 1 rear ended him. Unit 1 found at fault for fail to stop assured clear distance.	Diagram
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SANITIZED

Authority: 1949 PA 300, Sec.257.622
Compliance: Required MSP UD-10E
Penalty: \$100 and/or 90 days (Rev 11/2020)

External # 0077806
Crash ID 2623299

Page 01 of 01
File Class 9300-1

STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100		Department Name Hamburg Township Police Department				Incident # 2200524		Reviewer GARBACKI, ALYSHA		
Crash Date 06/18/2022	Crash Time 23:00	No. of Units 02	Crash Type Angle	Special Circumstances <input checked="" type="radio"/> None <input type="radio"/> Fleeing Police		<input type="radio"/> Hit and Run <input type="radio"/> Unknown	<input type="radio"/> School Bus <input type="radio"/> Animal	Special Checks <input type="radio"/> Fatal <input type="radio"/> Non-Traffic Area <input type="radio"/> ORV/Snowmobile		
County 47 - Livingston		Traffic Control Signal		Relation to Roadway On the Road		Weather Clear		Area INTR Within Intersection		
City/Twsp 07 - Hamburg Twp		Contributing Circumstances 1st None 2nd		Light Dark-Lighted		Road Surface Condition Dry		Total Lanes 03	Speed Limit 45	Posted Yes
Work Zone (if applicable) Type			Workers Present		Activity		Location			

LOCATION	Prefix E	Primary Road Name M 36	Road Type HWY	Suffix	Divided Roadway	
	Distance / Direction 10 Feet W		Trafficway Not Physically Divided			
	Prefix E	Intersecting Road Name CHILSON	Road Type RD	Suffix	Divided Roadway	

UNIT / DRIVER	Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (20)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex F	Race	Total Occupants 01	Hazardous Action Failed to Yield	
	Unit Type MV	Driver Information ##### ##### ANN ARBOR, MI 48103-9603 (###) ###-####				Driver is Owner No	Injury O	Position Front - Left		Restraint Shoulder and Lap Belt		
	Driver Condition at Time of Crash 1st Appeared Normal 2nd				Driver Distracted By Not Distracted			Ejected	Trapped	Airbag Deployed Not Deployed		
	Hospital REFUSE					Ambulance REFUSE						
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending		Test Results:		Interlock Device No		
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending		Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other		
	Vehicle Registration HY72L	State MI	Vehicle Description 2016	Year	Make JEEP	Model WRANGLER UNL			Color			
	VIN 1C4BJWFG8GL124894	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect						
	Automation System(s) in Vehicle No		Automation System Level in Vehicle Unknown			Automation System Level Engaged at Time of Crash Unknown						
	Insurance Company #####			Insurance Policy # #####			Towed By			Towed To		
Location of Greatest Damage 03	First Impact 03	Extent of Damage (Power Unit and/or Trailers) Minor Damage			Vehicle Direction S	Vehicle Use Private		Action Prior Starting Up on Roadway				
Sequence of Events First ● 17 - Motor Veh in Transport (● indicates MOST harmful event)			Second			Third			Fourth			

PASSENGERS	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital			Ambulance				
	Passenger Information			Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital			Ambulance				

TRUCK/BUS	Carrier Information			USDOT	MC	MPSC	
	Driver's CDL Type			Endorsements OH OP OT ON OS OX	CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other		
	GWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.	Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill	ID #

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####			Owner Information			
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Damaged Property		Public	Owner & Phone
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SANITIZED

UNIT / DRIVER	Unit Number 02	Unit Known Yes	State FL	Driver License Number #####	Date of Birth (Age) ###/##/#### (26)	License Type <input type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex F	Race	Total Occupants 02	Hazardous Action None	Item 20.
	Unit Type MV	Driver Information ##### ##### LAKE PLACID, FL 33852 (###) ###-####				Driver is Owner No	Injury O	Position Front - Left	Restraint Shoulder and Lap Belt			
	Driver Condition at Time of Crash 1st Appeared Normal				2nd		Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Deployed - Front	
	Hospital REFUSE				Ambulance REFUSE							
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered				Alcohol Test Results <input type="radio"/> Pending Test Results:		Interlock Device No			
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input type="radio"/> Not Offered				Drug Test Results <input type="radio"/> Pending Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other			
	Vehicle Registration 047D945	State MI	Vehicle Description Year		Make FORD		Model EXPLORER		Color WHITE			
	VIN 1FM5K8F81GGB60851	Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable		Private Trailer Type		Vehicle Defect				
	Automation System(s) in Vehicle No		Automation System Level in Vehicle Unknown				Automation System Level Engaged at Time of Crash Unknown					
	Insurance Company #####			Insurance Policy # #####			Towed By CORRIGAN'S			Towed To OWNER DISCRETION		
	Location of Greatest Damage 01	First Impact 01	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction E	Vehicle Use Private			Action Prior Going Straight Ahead			
	Sequence of Events First ● 17 - Motor Veh in Transport		Second		Third		Fourth					
	● indicates MOST harmful event)											
PASSENGERS	Passenger Information				Date of Birth (Age)	Sex	Race	Position		Restraint		
					Injury	Ejected	Trapped	Airbag Deployed				
	Hospital				Ambulance							
	Passenger Information				Date of Birth (Age)	Sex	Race	Position		Restraint		
					Injury	Ejected	Trapped	Airbag Deployed				
	Hospital				Ambulance							
TRUCK / BUS	Carrier Information					USDOT		MC	MPSC			
						Driver's CDL Type <input type="radio"/> H <input type="radio"/> P <input type="radio"/> T <input type="radio"/> N <input type="radio"/> S <input type="radio"/> X		Endorsements <input type="radio"/> O <input type="radio"/> F <input type="radio"/> A		CDL Exempt <input type="radio"/> Farm <input type="radio"/> Other		
GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.			Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill		ID #	Class #		
OWNERS	Owner Information					Owner Information						
WITNESS	Witness Information					Witness Information						
Investigated at Scene Yes	Reported Date (Time) 06/21/2022 (04:45)	1st Investigator Name (Badge) HOGAN, SEAN (0729)			2nd Investigator Name (Badge)			Photos No				
Narrative Driver of Unit 1 was stopped for traffic to clear. Unit 1 was headed south on Chilson Rd. She said she looked both way and did not see any vehicles. When she began to enter the intersection she observed headlights and attempted to avoid a collision by speeding up. Unit 2 collided into the rear passenger side of Unit 1. Driver of Unit 2 stated they were traveling W/B on E M36 when Unit 1 pulled out in front of them and they collided into the rear passenger side of Unit 1. No injuries were reported at the time of the accident.						Diagram						

SANITIZED

Authority: 1949 PA 300, Sec.257-622 Compliance: Required MSP UD-10E Penalty: \$100 and/or 90 days (Rev 11/2020)	External # 0083186	Crash ID 2729522	Page 01 of 01 File Class 9300-1	Item 20.
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STATE OF MICHIGAN TRAFFIC CRASH REPORT

ORI MI 4745100	Department Name Hamburg Township Police Department		Incident # 2200982	
Crash Date 11/07/2022	Crash Time 15:57	No. of Units 02	Crash Type Angle	Special Circumstances <input checked="" type="checkbox"/> None <input type="checkbox"/> Fleeing Police <input type="checkbox"/> Hit and Run <input type="checkbox"/> Unknown <input type="checkbox"/> School Bus <input type="checkbox"/> Animal
County 47 - Livingston		Traffic Control None	Relation to Roadway On the Road	Weather Clear
City/Twsp 07 - Hamburg Twp	Contributing Circumstances 1st None		Light Daylight	Road Surface Condition Dry
Work Zone (if applicable) Type		Workers Present	Activity	Location
Area INTR Within Intersection		Total Lanes 02	Speed Limit 45	Posted Yes
Special Checks <input type="checkbox"/> Fatal <input type="checkbox"/> Non-Traffic Area <input type="checkbox"/> ORV/Snowmobile		Reviewer PAUL, MEGAN		

LOCATION	Prefix E	Primary Road Name M36	Road Type HWY	Suffix	Divided Roadway
	Distance / Direction AT		Trafficway Not Physically Divided		
	Prefix E	Intersecting Road Name CHILSON COMMONS CIRCLE	Road Type RD	Suffix	Divided Roadway

Unit Number 01	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ##/##/#### (80)	License Type <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Chauffeur <input type="checkbox"/> Moped	Endorsements <input type="checkbox"/> Cycle <input type="checkbox"/> Farm <input type="checkbox"/> Recreation	Sex M	Race	Total Occupants 01	Hazardous Action Careless Driving
Unit Type MV	Driver Information ##### ##### WHITMORE LAKE, MI 48189-9736 (###) ###-####				Driver is Owner Yes	Injury O	Position Front - Left		Restraint Restraint Use Unknown	
Driver Condition at Time of Crash 1st Appeared Normal				2nd		Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed

UNIT / DRIVER	Hospital NONE		Ambulance NONE		
	Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="checkbox"/> Breath <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> PBT <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered	Alcohol Test Results <input type="checkbox"/> Pending	Test Results:
	Drug Suspected No	Contributing Factor No	Drug Test Type <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Field <input type="checkbox"/> Refused <input checked="" type="checkbox"/> Not Offered	Drug Test Results <input type="checkbox"/> Pending	Test Results:
	Interlock Device No	Citation Issued <input type="checkbox"/> Hazardous <input type="checkbox"/> Other			

Vehicle Registration DSL6597	State MI	Vehicle Description Year 2020	Make CHEVROLET	Model EQUINOX	Color BLACK
VIN 3GNAXVEX1LL240059	Vehicle Type Passenger Car, SUV, Van	Special Vehicles Not Applicable	Private Trailer Type	Vehicle Defect Other	
Automation System(s) in Vehicle No		Automation System Level in Vehicle Unknown		Automation System Level Engaged at Time of Crash Unknown	
Insurance Company #####		Insurance Policy # #####		Towed By	Towed To
Location of Greatest Damage 02	First Impact 02	Extent of Damage (Power Unit and/or Trailers) Minor Damage	Vehicle Direction W	Vehicle Use Private	Action Prior Turning Left
Sequence of Events First ● 17 - Motor Veh in Transport (● indicates MOST harmful event)					

PASSENGERS	Passenger Information		Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital		Ambulance				
	Passenger Information		Date of Birth (Age)	Sex	Race	Position	Restraint
	Hospital		Ambulance				

TRUCK/BUS	Carrier Information		USDOT	MC	MPSC
	GVWR/GCWR <input type="checkbox"/> 10,000 lbs. or Less <input type="checkbox"/> 10,001 - 26,000 lbs. <input type="checkbox"/> Greater than 26,000 lbs.		Vehicle Configuration	Cargo Body Type	Medical Card
	Driver's CDL Type		Endorsements <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> T <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> X	CDL Exempt <input type="checkbox"/> Farm <input type="checkbox"/> Other	Hazardous Material <input type="checkbox"/> Placard <input type="checkbox"/> Cargo Spill

OWNERS	Owner Information ##### ##### #####, ## #####-#### (###) ###-####		Owner Information	
	Damaged Property		Public	Owner & Phone

SANITIZED

Item 20.

Unit Number 02	Unit Known Yes	State MI	Driver License Number #####	Date of Birth (Age) ###/###/#### (67)	License Type <input checked="" type="radio"/> Operator <input type="radio"/> Chauffeur <input type="radio"/> Moped	Endorsements <input type="radio"/> Cycle <input type="radio"/> Farm <input type="radio"/> Recreation	Sex F	Race	Total Occupants 02	Hazardous Action None		
Unit Type MV		Driver Information ##### ##### PINCKNEY, MI 48169-8539 (###) ###-####			Driver is Owner Yes	Injury O	Position Front - Left		Restraint Restraint Use Unknown			
Driver Condition at Time of Crash 1st Appeared Normal				2nd		Driver Distracted By Not Distracted		Ejected	Trapped	Airbag Deployed Not Deployed		
Hospital NONE					Ambulance NONE							
Alcohol Suspected No	Contributing Factor No	Alcohol Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input checked="" type="radio"/> Not Offered			Alcohol Test Results <input type="radio"/> Pending		Test Results:		Interlock Device No			
Drug Suspected No	Contributing Factor No	Drug Test Type <input type="radio"/> Blood <input type="radio"/> Urine <input type="radio"/> Field <input type="radio"/> Refused <input checked="" type="radio"/> Not Offered			Drug Test Results <input type="radio"/> Pending		Test Results:		Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other			
Vehicle Registration EAV8628		State MI	Vehicle Description Year 2006 Make FORD		Model ESCAPE		Color GREEN					
VIN 1FMYU93166KB34293		Vehicle Type Passenger Car, SUV, Van		Special Vehicles Not Applicable		Private Trailer Type	Vehicle Defect					
Automation System(s) in Vehicle No			Automation System Level in Vehicle Unknown			Automation System Level Engaged at Time of Crash Unknown						
Insurance Company #####			Insurance Policy # #####			Towed By CORRIGAN'S		Towed To IMPOUND LOT				
Location of Greatest Damage 02	First Impact 02	Extent of Damage (Power Unit and/or Trailers) Disabling Damage		Vehicle Direction N	Vehicle Use Private		Action Prior Stopped on Roadway					
Sequence of Events 1st ● 17 - Motor Veh in Transport				Second		Third		Fourth				
● indicates MOST harmful event												
Passenger Information ##### ##### PINCKNEY, MI 48169 (###) ###-####					Date of Birth (Age) ###/###/#### (67)	Sex F	Race	Position Front - Right		Restraint Restraint Use Unknown		
					Injury O	Ejected	Trapped	Airbag Deployed Not Deployed				
Hospital NONE					Ambulance NONE							
Passenger Information					Date of Birth (Age)	Sex	Race	Position		Restraint		
Hospital					Ambulance							
Carrier Information					USDOT		MC	MPSC				
GVWR/GCWR <input type="radio"/> 10,000 lbs. or Less <input type="radio"/> 10,001 - 26,000 lbs. <input type="radio"/> Greater than 26,000 lbs.					Vehicle Configuration		Cargo Body Type	Medical Card	Hazardous Material <input type="radio"/> Placard <input type="radio"/> Cargo Spill		ID #	Class #
Owner Information ##### ##### #####					Owner Information							
Witness Information					Witness Information							
Investigated at Scene Yes	Reported Date (Time) 11/07/2022 (18:09)	1st Investigator Name (Badge) HARVEY, JUSTIN (00030)			2nd Investigator Name (Badge)			Photos No				
Narrative Vehicle #1 was turning into the Kroger parking lot from west bound E M-36 and struck vehicle #2 who was sitting at the exit/entrance of the Kroger parking lot waiting to turn onto E M-36. No injuries reported.					Diagram							

Appendix B

EXISTING TRAFFIC CONDITIONS

Level of Service Criteria for Stop Sign Controlled Intersections

The level of service criteria are given in Exhibit 20-2. As used here, control delay is defined as the total elapsed time from the time a vehicle stops at the end of the queue until the vehicle departs from the stop line; this time includes the time required for the vehicle to travel from the last-in-queue position to the first-in-queue position, including deceleration of vehicles from free-flow speed to the speed of vehicles in queue.

The average total delay for any particular movement is a function of the number of vehicles in queue, the number of vehicles in the queue, and the number of vehicles in the queue.

When signals are present on the major street, upstream of the subject intersection, flows may not be random but will likely have some platoon structure. Although the procedures in this chapter provide a method for approximating the operations of a TWSC intersection with an upstream signal, the operations of such an intersection is arguably best handled by including it in a complete simulation

Exhibit 20-2. Level of Service Criteria for Stop-Controlled Intersections (Motor Vehicles)

LEVEL OF SERVICE	AVERAGE CONTROL DELAY (sec/veh)
A	≤ 10
B	> 10 and ≤ 15
C	> 15 and ≤ 25
D	> 25 and ≤ 35
E	> 35 and ≤ 50
F	> 50

Average total delay less than 10 sec/veh is defined as Level of Service (LOS) A. Follow-up times of less than 5 sec have been measured when there is no conflicting traffic for a minor street movement, so control delays of less than 10 sec/veh are appropriate for low flow conditions. A total delay of 50 sec/veh is assumed as the break point between LOS E and F.

Additionally, several driver behavior considerations combine to make delays at signalized intersections less onerous than at unsignalized intersections. For example, drivers at signalized intersections are able to relax during the red interval, where drivers on the minor approaches to unsignalized intersections must remain attentive to the task of identifying acceptable gaps and vehicle conflicts. Also, there is often much more variability in the amount of delay experienced by individual drivers at unsignalized than signalized intersections. For these reasons, it is considered that the total delay threshold for any given level of service is less for an unsignalized intersection than for a signalized intersection.

LOS F exists when there are insufficient gaps of suitable size to allow a side street demand to cross safely through a major street traffic stream. This level of service is generally evident from extremely long total delays experienced by side street traffic and by queueing on the minor approaches. The method, however, is based on a constant critical gap size - that is, the critical gap remains constant, no matter how long the side street motorist waits. LOS F may also appear in the form of side street vehicles' selecting smaller-than-usual gaps. In such cases, safety may be a problem and some disruption to the major traffic stream may result. It is important to note that LOS F may not always result in long queues but may result in adjustments to normal gap acceptance behavior. The latter is more difficult to observe on the field than queueing, which is more obvious.

Source: Highway Capacity Manual, 6th Edition. Transportation Research Board, National Research Council

Level of Service for Signalized Intersections

Level of service for signalized intersections is defined in terms of delay, which is a measure of driver discomfort and frustration, fuel consumption, and lost travel time. LOS can be characterized for the entire intersection, each intersection approach, and each lane group. Specifically, level-of-service (LOS) criteria are stated in terms of the average stopped delay per vehicle. The criteria are given in Exhibit 19-8. Delay may be measured in the field or estimated using procedures presented later in this chapter. Delay is a complex measure and is dependent on a number of variables, including the quality of progression, the cycle length, the green ratio, and the v/c ratio for the lane group in question.

LOS A describes operations with a control delay of 10 s/veh or less. This level is typically assigned when the volume-to-capacity ratio is low and either progression is extremely favorable or the cycle length is very short. If LOS A is the result of favorable progression, most vehicles arrive during a green indication and travel through the intersection without stopping.

LOS B describes operations with control delay between 10 and 20 s/veh. This level is typically assigned when the volume-to-capacity ratio is low and either progression is highly favorable or the cycle length is short. More vehicles stop than with LOS A.

Exhibit 19.8. Level-of-Service Criteria for Signalized Intersections (Motorized Vehicles)

LEVEL OF SERVICE	STOPPED DELAY PER VEHICLE (SEC)
A	≤ 10.0
B	> 10.0 and ≤ 20.0
C	> 20.0 and ≤ 35.0
D	> 35.0 and ≤ 55.0
E	> 55.0 and ≤ 80.0
F	> 80.0

1. If the v/c ratio for a lane group exceeds 1.0, a LOS F is assigned to the individual lane group. LOS for approach-based and intersection-wide assessments are determined solely by the control delay.

LOS C describes operations with control delay between 20 and 35 s/veh. This level is typically assigned when progression is favorable or the cycle length is moderate. Individual *cycle failures* (i.e. one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear at this level. The number of vehicle stopping is significant, although many vehicles still pass through the intersection without stopping.

LOS D describes operations with control delay between 35 and 55 s/veh. This level is typically assigned when when the volume-to-capacity ratio is high and either progression is ineffective or the cycle length is long. Many vehicles stop and individual cycle failures are noticeable.

LOS E describes operations with control delay between 55 and 80 s/veh. This level is typically assigned when when the volume-to-capacity ratio is high, progression is unfavorable, and the cycle length is long. Individual cycle failures are frequent.

LOS F describes operations with control delay exceeding 80 s/veh or a volume-to-capacity ratio greater than 1.0. This level, considered to be unacceptable to most drivers, often occurs with over-saturation, that is, when arrival flow rates exceed the capacity of the intersection. This level is typically assigned when the volume-to-capacity ratio is high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.

Source: Highway Capacity Manual, 6th Edition. Transportation Research Board, National Research Council

HCM 6th Signalized Intersection Summary

Existing Condition Item 20.

1: Chilson Road & M-36

MD Peak Hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	297	93	15	274	76	70	42	31	90	44	49
Future Volume (veh/h)	38	297	93	15	274	76	70	42	31	90	44	49
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1870	1870	1870	1811	1811	1811
Adj Flow Rate, veh/h	44	345	108	16	298	83	76	46	34	95	46	52
Peak Hour Factor	0.86	0.86	0.86	0.92	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	2	2	2	6	6	6
Cap, veh/h	689	1256	1065	664	946	263	222	146	108	236	113	128
Arrive On Green	0.68	0.68	0.68	0.68	0.68	0.68	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	994	1856	1572	930	1397	389	1297	999	738	1277	776	877
Grp Volume(v), veh/h	44	345	108	16	0	381	76	0	80	95	0	98
Grp Sat Flow(s),veh/h/ln	994	1856	1572	930	0	1786	1297	0	1737	1277	0	1653
Q Serve(g_s), s	1.3	5.2	1.7	0.5	0.0	6.1	4.0	0.0	2.9	5.0	0.0	3.8
Cycle Q Clear(g_c), s	7.5	5.2	1.7	5.6	0.0	6.1	7.7	0.0	2.9	7.9	0.0	3.8
Prop In Lane	1.00		1.00	1.00		0.22	1.00		0.43	1.00		0.53
Lane Grp Cap(c), veh/h	689	1256	1065	664	0	1209	222	0	253	236	0	241
V/C Ratio(X)	0.06	0.27	0.10	0.02	0.00	0.32	0.34	0.00	0.32	0.40	0.00	0.41
Avail Cap(c_a), veh/h	689	1256	1065	664	0	1209	398	0	489	410	0	465
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	6.2	4.5	3.9	5.6	0.0	4.6	30.7	0.0	26.8	30.3	0.0	27.1
Incr Delay (d2), s/veh	0.2	0.5	0.2	0.1	0.0	0.7	0.9	0.0	0.7	1.1	0.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.3	0.4	0.1	0.0	1.6	1.3	0.0	1.2	1.5	0.0	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.3	5.0	4.1	5.7	0.0	5.3	31.6	0.0	27.5	31.4	0.0	28.3
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		497			397			156			193	
Approach Delay, s/veh		4.9			5.3			29.5			29.8	
Approach LOS		A			A			C			C	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		53.5		16.5		53.5		16.5				
Change Period (Y+Rc), s		* 6.1		* 6.3		* 6.1		* 6.3				
Max Green Setting (Gmax), s		* 38		* 20		* 38		* 20				
Max Q Clear Time (g_c+1), s		9.5		9.9		8.1		9.7				
Green Ext Time (p_c), s		2.5		0.5		2.3		0.4				

Intersection Summary

HCM 6th Ctrl Delay	12.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th TWSC
2: Site Drive/Shopping E. Drive & M-36

Existing Condition Item 20.
MD Peak Hour

Intersection												
Int Delay, s/veh	0.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↔		↔	↔			↔			↔	↔
Traffic Vol, veh/h	2	424	0	0	380	11	0	0	0	8	0	4
Future Vol, veh/h	2	424	0	0	380	11	0	0	0	8	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	500	-	-	500	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	94	94	94	92	92	92	75	75	75
Heavy Vehicles, %	2	2	2	3	3	3	2	2	2	0	0	0
Mvmt Flow	2	482	0	0	404	12	0	0	0	11	0	5

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	416	0	0	482	0	0	899	902	482	896	896	410
Stage 1	-	-	-	-	-	-	486	486	-	410	410	-
Stage 2	-	-	-	-	-	-	413	416	-	486	486	-
Critical Hdwy	4.12	-	-	4.13	-	-	7.12	6.52	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.218	-	-	2.227	-	-	3.518	4.018	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1143	-	-	1075	-	-	260	277	584	263	282	646
Stage 1	-	-	-	-	-	-	563	551	-	623	599	-
Stage 2	-	-	-	-	-	-	616	592	-	566	554	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1143	-	-	1075	-	-	257	276	584	263	281	646
Mov Cap-2 Maneuver	-	-	-	-	-	-	257	276	-	263	281	-
Stage 1	-	-	-	-	-	-	562	550	-	622	599	-
Stage 2	-	-	-	-	-	-	611	592	-	565	553	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0			0			16.5		
HCM LOS							A			C		

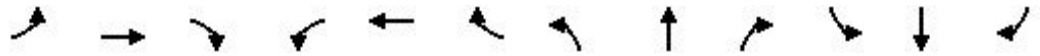
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1143	-	-	1075	-	-	328
HCM Lane V/C Ratio	-	0.002	-	-	-	-	-	0.049
HCM Control Delay (s)		0	8.2	-	-	0	-	16.5
HCM Lane LOS		A	A	-	-	A	-	C
HCM 95th %tile Q(veh)		-	0	-	-	0	-	0.2

HCM 6th Signalized Intersection Summary

1: Chilson Road & M-36

Existing Condition Item 20.

PM Peak Hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	49	295	85	37	559	164	126	87	32	118	68	80
Future Volume (veh/h)	49	295	85	37	559	164	126	87	32	118	68	80
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	52	311	89	41	614	180	142	98	36	131	76	89
Peak Hour Factor	0.95	0.95	0.95	0.91	0.91	0.91	0.89	0.89	0.89	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	0	0	0	0	0	0
Cap, veh/h	313	1167	989	630	867	254	263	293	108	293	177	207
Arrive On Green	0.62	0.62	0.62	0.62	0.62	0.62	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	684	1870	1585	985	1390	407	1240	1325	487	1275	798	934
Grp Volume(v), veh/h	52	311	89	41	0	794	142	0	134	131	0	165
Grp Sat Flow(s),veh/h/ln	684	1870	1585	985	0	1797	1240	0	1812	1275	0	1732
Q Serve(g_s), s	4.4	6.0	1.8	1.6	0.0	23.8	8.9	0.0	5.0	7.7	0.0	6.6
Cycle Q Clear(g_c), s	28.3	6.0	1.8	7.6	0.0	23.8	15.5	0.0	5.0	12.7	0.0	6.6
Prop In Lane	1.00		1.00	1.00		0.23	1.00		0.27	1.00		0.54
Lane Grp Cap(c), veh/h	313	1167	989	630	0	1121	263	0	401	293	0	383
V/C Ratio(X)	0.17	0.27	0.09	0.07	0.00	0.71	0.54	0.00	0.33	0.45	0.00	0.43
Avail Cap(c_a), veh/h	313	1167	989	630	0	1121	294	0	446	325	0	426
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.7	6.8	6.0	8.5	0.0	10.1	33.5	0.0	26.2	31.5	0.0	26.8
Incr Delay (d2), s/veh	1.1	0.6	0.2	0.2	0.0	3.8	1.7	0.0	0.5	1.1	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	2.0	0.5	0.3	0.0	8.0	2.8	0.0	2.2	2.4	0.0	2.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.8	7.4	6.2	8.7	0.0	13.9	35.2	0.0	26.7	32.6	0.0	27.6
LnGrp LOS	C	A	A	A	A	B	D	A	C	C	A	C
Approach Vol, veh/h		452			835			276			296	
Approach Delay, s/veh		8.7			13.7			31.1			29.8	
Approach LOS		A			B			C			C	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		56.0		24.0		56.0		24.0				
Change Period (Y+Rc), s		* 6.1		* 6.3		* 6.1		* 6.3				
Max Green Setting (Gmax), s		* 48		* 20		* 48		* 20				
Max Q Clear Time (g_c+I1), s		30.3		14.7		25.8		17.5				
Green Ext Time (p_c), s		2.2		0.6		5.8		0.3				

Intersection Summary

HCM 6th Ctrl Delay	17.6
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th TWSC
2: Site Drive/Shopping E. Drive & M-36

Existing Condition Item 20.
PM Peak Hour

Intersection												
Int Delay, s/veh	0.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↔		↔	↔			↔			↔	↔
Traffic Vol, veh/h	1	418	0	0	751	20	0	0	0	9	0	2
Future Vol, veh/h	1	418	0	0	751	20	0	0	0	9	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	500	-	-	500	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	93	93	93	92	92	92	69	69	69
Heavy Vehicles, %	1	1	1	1	1	1	2	2	2	0	0	0
Mvmt Flow	1	440	0	0	808	22	0	0	0	13	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	830	0	0	440	0	0	1263	1272	440	1261	1261	819
Stage 1	-	-	-	-	-	-	442	442	-	819	819	-
Stage 2	-	-	-	-	-	-	821	830	-	442	442	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.12	6.52	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.518	4.018	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	806	-	-	1125	-	-	147	168	617	148	172	379
Stage 1	-	-	-	-	-	-	594	576	-	372	392	-
Stage 2	-	-	-	-	-	-	369	385	-	598	580	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	806	-	-	1125	-	-	146	168	617	148	172	379
Mov Cap-2 Maneuver	-	-	-	-	-	-	146	168	-	148	172	-
Stage 1	-	-	-	-	-	-	593	575	-	372	392	-
Stage 2	-	-	-	-	-	-	366	385	-	597	579	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0			0			29		
HCM LOS							A			D		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	806	-	-	1125	-	-	166
HCM Lane V/C Ratio	-	0.001	-	-	-	-	-	0.096
HCM Control Delay (s)	-	0	9.5	-	-	0	-	29
HCM Lane LOS	-	A	A	-	-	A	-	D
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.3

Intersection: 1: Chilson Road & M-36

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	TR	L	TR	L	TR
Maximum Queue (ft)	58	118	53	40	145	106	101	134	136
Average Queue (ft)	20	48	15	9	61	46	33	55	52
95th Queue (ft)	46	98	38	29	122	89	74	106	105
Link Distance (ft)	116	116	116		876	231	231		506
Upstream Blk Time (%)		0							
Queuing Penalty (veh)		0							
Storage Bay Dist (ft)				500				175	
Storage Blk Time (%)								0	0
Queuing Penalty (veh)								0	0

Intersection: 2: Site Drive/Shopping E. Drive & M-36

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	5	32
Average Queue (ft)	0	11
95th Queue (ft)	4	35
Link Distance (ft)		343
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	500	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 9000: M-36 & BP Drive

Movement	EB	EB	SB
Directions Served	LT	T	LR
Maximum Queue (ft)	29	30	34
Average Queue (ft)	2	1	9
95th Queue (ft)	13	22	32
Link Distance (ft)	171	171	257
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 9001: Motel Drive/Shopping W. Drive & M-36

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	27	41
Average Queue (ft)	3	16
95th Queue (ft)	16	42
Link Distance (ft)		353
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	500	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 0

Intersection: 1: Chilson Road & M-36

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	TR	L	TR	L	TR
Maximum Queue (ft)	95	128	60	61	337	200	126	153	129
Average Queue (ft)	36	56	16	19	159	80	55	77	65
95th Queue (ft)	81	108	43	47	272	154	112	128	115
Link Distance (ft)	116	116	116		876	231	231		506
Upstream Blk Time (%)	1	0				0	0		
Queuing Penalty (veh)	1	1				0	0		
Storage Bay Dist (ft)				500				175	
Storage Blk Time (%)								0	
Queuing Penalty (veh)								0	

Intersection: 2: Site Drive/Shopping E. Drive & M-36

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	10	32
Average Queue (ft)	0	8
95th Queue (ft)	5	30
Link Distance (ft)		343
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	500	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 9000: M-36 & BP Drive

Movement	WB	SB
Directions Served	TR	LR
Maximum Queue (ft)	9	35
Average Queue (ft)	0	11
95th Queue (ft)	7	36
Link Distance (ft)	116	257
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 9001: Motel Drive/Shopping W. Drive & M-36

Movement	EB	NB	SB
Directions Served	L	LTR	LTR
Maximum Queue (ft)	28	19	67
Average Queue (ft)	5	1	25
95th Queue (ft)	22	11	56
Link Distance (ft)		201	353
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	500		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 2

Appendix C

BACKGROUND TRAFFIC CONDITIONS

HCM 6th Signalized Intersection Summary

1: Chilson Road & M-36

Background Condition

Item 20.

MD Peak Hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↗		↖	↗		↖	↗	
Traffic Volume (veh/h)	38	299	93	15	276	76	70	42	31	90	44	49
Future Volume (veh/h)	38	299	93	15	276	76	70	42	31	90	44	49
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1870	1870	1870	1811	1811	1811
Adj Flow Rate, veh/h	44	348	108	16	300	83	76	46	34	95	46	52
Peak Hour Factor	0.86	0.86	0.86	0.92	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	2	2	2	6	6	6
Cap, veh/h	687	1256	1065	662	947	262	222	146	108	236	113	128
Arrive On Green	0.68	0.68	0.68	0.68	0.68	0.68	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	992	1856	1572	928	1399	387	1297	999	738	1277	776	877
Grp Volume(v), veh/h	44	348	108	16	0	383	76	0	80	95	0	98
Grp Sat Flow(s),veh/h/ln	992	1856	1572	928	0	1786	1297	0	1737	1277	0	1653
Q Serve(g_s), s	1.3	5.2	1.7	0.5	0.0	6.2	4.0	0.0	2.9	5.0	0.0	3.8
Cycle Q Clear(g_c), s	7.5	5.2	1.7	5.7	0.0	6.2	7.7	0.0	2.9	7.9	0.0	3.8
Prop In Lane	1.00		1.00	1.00		0.22	1.00		0.43	1.00		0.53
Lane Grp Cap(c), veh/h	687	1256	1065	662	0	1209	222	0	253	236	0	241
V/C Ratio(X)	0.06	0.28	0.10	0.02	0.00	0.32	0.34	0.00	0.32	0.40	0.00	0.41
Avail Cap(c_a), veh/h	687	1256	1065	662	0	1209	398	0	489	410	0	465
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	6.2	4.5	3.9	5.6	0.0	4.6	30.7	0.0	26.8	30.3	0.0	27.1
Incr Delay (d2), s/veh	0.2	0.5	0.2	0.1	0.0	0.7	0.9	0.0	0.7	1.1	0.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.4	0.4	0.1	0.0	1.6	1.3	0.0	1.2	1.5	0.0	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.4	5.0	4.1	5.7	0.0	5.3	31.6	0.0	27.5	31.4	0.0	28.3
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		500			399			156				193
Approach Delay, s/veh		5.0			5.3			29.5				29.8
Approach LOS		A			A			C				C
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		53.5		16.5		53.5		16.5				
Change Period (Y+Rc), s		* 6.1		* 6.3		* 6.1		* 6.3				
Max Green Setting (Gmax), s		* 38		* 20		* 38		* 20				
Max Q Clear Time (g_c+1), s		9.5		9.9		8.2		9.7				
Green Ext Time (p_c), s		2.5		0.5		2.3		0.4				

Intersection Summary

HCM 6th Ctrl Delay	12.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection												
Int Delay, s/veh	0.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↔		↔	↔			↔			↔	↔
Traffic Vol, veh/h	2	426	0	0	382	11	0	0	0	8	0	4
Future Vol, veh/h	2	426	0	0	382	11	0	0	0	8	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	500	-	-	500	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	94	94	94	92	92	92	75	75	75
Heavy Vehicles, %	2	2	2	3	3	3	2	2	2	0	0	0
Mvmt Flow	2	484	0	0	406	12	0	0	0	11	0	5

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	418	0	0	484	0	0	903	906	484	900	900	412
Stage 1	-	-	-	-	-	-	488	488	-	412	412	-
Stage 2	-	-	-	-	-	-	415	418	-	488	488	-
Critical Hdwy	4.12	-	-	4.13	-	-	7.12	6.52	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.218	-	-	2.227	-	-	3.518	4.018	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1141	-	-	1074	-	-	258	276	583	262	280	644
Stage 1	-	-	-	-	-	-	561	550	-	621	598	-
Stage 2	-	-	-	-	-	-	615	591	-	565	553	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1141	-	-	1074	-	-	255	275	583	262	279	644
Mov Cap-2 Maneuver	-	-	-	-	-	-	255	275	-	262	279	-
Stage 1	-	-	-	-	-	-	560	549	-	620	598	-
Stage 2	-	-	-	-	-	-	610	591	-	564	552	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0			0			16.6		
HCM LOS							A			C		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1141	-	-	1074	-	-	327
HCM Lane V/C Ratio	-	0.002	-	-	-	-	-	0.049
HCM Control Delay (s)		0	8.2	-	-	0	-	16.6
HCM Lane LOS		A	A	-	-	A	-	C
HCM 95th %tile Q(veh)		-	0	-	-	0	-	0.2

HCM 6th Signalized Intersection Summary

1: Chilson Road & M-36

Background Condition Item 20.

PM Peak Hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	49	297	85	37	562	165	127	87	32	119	68	80
Future Volume (veh/h)	49	297	85	37	562	165	127	87	32	119	68	80
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	52	313	89	41	618	181	143	98	36	132	76	89
Peak Hour Factor	0.95	0.95	0.95	0.91	0.91	0.91	0.89	0.89	0.89	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	0	0	0	0	0	0
Cap, veh/h	309	1165	988	628	866	254	264	294	108	294	177	207
Arrive On Green	0.62	0.62	0.62	0.62	0.62	0.62	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	680	1870	1585	983	1390	407	1240	1325	487	1275	798	934
Grp Volume(v), veh/h	52	313	89	41	0	799	143	0	134	132	0	165
Grp Sat Flow(s),veh/h/ln	680	1870	1585	983	0	1797	1240	0	1812	1275	0	1732
Q Serve(g_s), s	4.5	6.1	1.8	1.6	0.0	24.1	9.0	0.0	5.0	7.8	0.0	6.6
Cycle Q Clear(g_c), s	28.6	6.1	1.8	7.6	0.0	24.1	15.5	0.0	5.0	12.7	0.0	6.6
Prop In Lane	1.00		1.00	1.00		0.23	1.00		0.27	1.00		0.54
Lane Grp Cap(c), veh/h	309	1165	988	628	0	1120	264	0	402	294	0	384
V/C Ratio(X)	0.17	0.27	0.09	0.07	0.00	0.71	0.54	0.00	0.33	0.45	0.00	0.43
Avail Cap(c_a), veh/h	309	1165	988	628	0	1120	294	0	446	325	0	426
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	20.0	6.8	6.0	8.6	0.0	10.2	33.4	0.0	26.1	31.5	0.0	26.8
Incr Delay (d2), s/veh	1.2	0.6	0.2	0.2	0.0	3.9	1.7	0.0	0.5	1.1	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	2.0	0.5	0.3	0.0	8.2	2.8	0.0	2.2	2.4	0.0	2.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.1	7.4	6.2	8.8	0.0	14.1	35.2	0.0	26.6	32.6	0.0	27.5
LnGrp LOS	C	A	A	A	A	B	D	A	C	C	A	C
Approach Vol, veh/h		454			840			277				297
Approach Delay, s/veh		8.7			13.9			31.0				29.8
Approach LOS		A			B			C				C
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		55.9		24.1		55.9		24.1				
Change Period (Y+Rc), s		* 6.1		* 6.3		* 6.1		* 6.3				
Max Green Setting (Gmax), s		* 48		* 20		* 48		* 20				
Max Q Clear Time (g_c+I1), s		30.6		14.7		26.1		17.5				
Green Ext Time (p_c), s		2.2		0.6		5.8		0.3				

Intersection Summary

HCM 6th Ctrl Delay	17.7
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection												
Int Delay, s/veh	0.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	1	420	0	0	755	20	0	0	0	9	0	2
Future Vol, veh/h	1	420	0	0	755	20	0	0	0	9	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	500	-	-	500	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	93	93	93	92	92	92	69	69	69
Heavy Vehicles, %	1	1	1	1	1	1	2	2	2	0	0	0
Mvmt Flow	1	442	0	0	812	22	0	0	0	13	0	3

Major/Minor	Major1		Major2		Minor1			Minor2				
Conflicting Flow All	834	0	0	442	0	0	1269	1278	442	1267	1267	823
Stage 1	-	-	-	-	-	-	444	444	-	823	823	-
Stage 2	-	-	-	-	-	-	825	834	-	444	444	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.12	6.52	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.518	4.018	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	804	-	-	1123	-	-	145	166	615	147	170	377
Stage 1	-	-	-	-	-	-	593	575	-	371	391	-
Stage 2	-	-	-	-	-	-	367	383	-	597	579	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	804	-	-	1123	-	-	144	166	615	147	170	377
Mov Cap-2 Maneuver	-	-	-	-	-	-	144	166	-	147	170	-
Stage 1	-	-	-	-	-	-	592	574	-	371	391	-
Stage 2	-	-	-	-	-	-	364	383	-	596	578	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	29.1
HCM LOS			A	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	804	-	-	1123	-	-	165
HCM Lane V/C Ratio	-	0.001	-	-	-	-	-	0.097
HCM Control Delay (s)	-	0	9.5	-	-	0	-	29.1
HCM Lane LOS	-	A	A	-	-	A	-	D
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.3

Intersection: 1: Chilson Road & M-36

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	TR	L	TR	L	TR
Maximum Queue (ft)	63	120	57	42	166	125	96	131	100
Average Queue (ft)	19	49	16	8	56	44	34	55	43
95th Queue (ft)	48	102	42	28	123	92	73	105	78
Link Distance (ft)	116	116	116		876	231	231		506
Upstream Blk Time (%)		0							
Queuing Penalty (veh)		0							
Storage Bay Dist (ft)				500				175	
Storage Blk Time (%)								0	
Queuing Penalty (veh)								0	

Intersection: 2: Site Drive/Shopping E. Drive & M-36

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	5	32
Average Queue (ft)	0	10
95th Queue (ft)	6	33
Link Distance (ft)		343
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	500	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 9000: M-36 & BP Drive

Movement	EB	EB	SB
Directions Served	LT	T	LR
Maximum Queue (ft)	29	34	31
Average Queue (ft)	1	1	9
95th Queue (ft)	12	20	31
Link Distance (ft)	171	171	257
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 9001: Motel Drive/Shopping W. Drive & M-36

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	26	40
Average Queue (ft)	2	17
95th Queue (ft)	14	44
Link Distance (ft)		353
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	500	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 1

Intersection: 1: Chilson Road & M-36

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	TR	L	TR	L	TR
Maximum Queue (ft)	84	132	47	57	345	154	124	178	173
Average Queue (ft)	36	58	14	15	141	74	51	80	64
95th Queue (ft)	83	111	37	41	263	132	98	150	138
Link Distance (ft)	116	116	116		876	231	231		506
Upstream Blk Time (%)	1	0							
Queuing Penalty (veh)	2	1							
Storage Bay Dist (ft)				500				175	
Storage Blk Time (%)								1	
Queuing Penalty (veh)								2	

Intersection: 2: Site Drive/Shopping E. Drive & M-36

Movement	SB
Directions Served	LTR
Maximum Queue (ft)	40
Average Queue (ft)	11
95th Queue (ft)	36
Link Distance (ft)	343
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9000: M-36 & BP Drive

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	16	11	12	39
Average Queue (ft)	1	0	0	9
95th Queue (ft)	10	8	9	33
Link Distance (ft)	171	171	116	257
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 9001: Motel Drive/Shopping W. Drive & M-36

Movement	EB	NB	SB
Directions Served	L	LTR	LTR
Maximum Queue (ft)	27	31	61
Average Queue (ft)	4	3	22
95th Queue (ft)	20	17	52
Link Distance (ft)		201	353
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	500		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 5

Appendix D

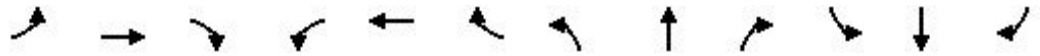
FUTURE TRAFFIC CONDITIONS

HCM 6th Signalized Intersection Summary

Future Condition Item 20.

1: Chilson Road & M-36

MD Peak Hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	314	93	15	291	76	70	42	31	90	44	56
Future Volume (veh/h)	45	314	93	15	291	76	70	42	31	90	44	56
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1870	1870	1870	1811	1811	1811
Adj Flow Rate, veh/h	52	365	108	16	316	83	76	46	34	95	46	59
Peak Hour Factor	0.86	0.86	0.86	0.92	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	2	2	2	6	6	6
Cap, veh/h	673	1255	1063	648	958	252	217	146	108	237	106	135
Arrive On Green	0.68	0.68	0.68	0.68	0.68	0.68	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	978	1856	1572	913	1417	372	1289	999	738	1277	721	924
Grp Volume(v), veh/h	52	365	108	16	0	399	76	0	80	95	0	105
Grp Sat Flow(s),veh/h/ln	978	1856	1572	913	0	1789	1289	0	1737	1277	0	1645
Q Serve(g_s), s	1.6	5.5	1.7	0.5	0.0	6.5	4.0	0.0	2.9	5.0	0.0	4.1
Cycle Q Clear(g_c), s	8.1	5.5	1.7	6.1	0.0	6.5	8.1	0.0	2.9	7.9	0.0	4.1
Prop In Lane	1.00		1.00	1.00		0.21	1.00		0.43	1.00		0.56
Lane Grp Cap(c), veh/h	673	1255	1063	648	0	1210	217	0	255	237	0	241
V/C Ratio(X)	0.08	0.29	0.10	0.02	0.00	0.33	0.35	0.00	0.31	0.40	0.00	0.44
Avail Cap(c_a), veh/h	673	1255	1063	648	0	1210	391	0	489	410	0	463
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	6.4	4.6	3.9	5.8	0.0	4.7	30.9	0.0	26.7	30.3	0.0	27.2
Incr Delay (d2), s/veh	0.2	0.6	0.2	0.1	0.0	0.7	1.0	0.0	0.7	1.1	0.0	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	1.5	0.4	0.1	0.0	1.6	1.3	0.0	1.2	1.5	0.0	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.6	5.2	4.1	5.9	0.0	5.5	31.9	0.0	27.4	31.4	0.0	28.5
LnGrp LOS	A	A	A	A	A	A	C	A	C	C	A	C
Approach Vol, veh/h		525			415			156			200	
Approach Delay, s/veh		5.1			5.5			29.6			29.8	
Approach LOS		A			A			C			C	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		53.4		16.6		53.4		16.6				
Change Period (Y+Rc), s		* 6.1		* 6.3		* 6.1		* 6.3				
Max Green Setting (Gmax), s		* 38		* 20		* 38		* 20				
Max Q Clear Time (g_c+I1), s		10.1		9.9		8.5		10.1				
Green Ext Time (p_c), s		2.6		0.6		2.4		0.4				

Intersection Summary

HCM 6th Ctrl Delay	12.0
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th TWSC
2: Site Drive/Shopping E. Drive & M-36

Intersection												
Int Delay, s/veh	1.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗			↕			↕	
Traffic Vol, veh/h	2	426	17	22	382	11	17	0	22	8	0	4
Future Vol, veh/h	2	426	17	22	382	11	17	0	22	8	0	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	500	-	-	500	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	94	94	94	92	92	92	75	75	75
Heavy Vehicles, %	2	2	2	3	3	3	2	2	2	0	0	0
Mvmt Flow	2	484	19	23	406	12	18	0	24	11	0	5

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	418	0	0	503	0	0	959	962	494	968	965	412
Stage 1	-	-	-	-	-	-	498	498	-	458	458	-
Stage 2	-	-	-	-	-	-	461	464	-	510	507	-
Critical Hdwy	4.12	-	-	4.13	-	-	7.12	6.52	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.218	-	-	2.227	-	-	3.518	4.018	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	1141	-	-	1056	-	-	237	256	575	235	257	644
Stage 1	-	-	-	-	-	-	554	544	-	587	570	-
Stage 2	-	-	-	-	-	-	581	564	-	550	543	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1141	-	-	1056	-	-	231	250	575	221	251	644
Mov Cap-2 Maneuver	-	-	-	-	-	-	231	250	-	221	251	-
Stage 1	-	-	-	-	-	-	553	543	-	586	557	-
Stage 2	-	-	-	-	-	-	564	552	-	526	542	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0.4			16.7			18.5		
HCM LOS							C			C		

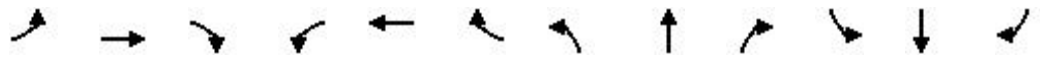
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	349	1141	-	-	1056	-	-	283
HCM Lane V/C Ratio	0.121	0.002	-	-	0.022	-	-	0.057
HCM Control Delay (s)	16.7	8.2	-	-	8.5	-	-	18.5
HCM Lane LOS	C	A	-	-	A	-	-	C
HCM 95th %tile Q(veh)	0.4	0	-	-	0.1	-	-	0.2

HCM 6th Signalized Intersection Summary

Future Condition Item 20.

1: Chilson Road & M-36

PM Peak Hour



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	56	318	85	37	583	165	127	87	32	119	68	87
Future Volume (veh/h)	56	318	85	37	583	165	127	87	32	119	68	87
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	59	335	89	41	641	181	143	98	36	132	76	97
Peak Hour Factor	0.95	0.95	0.95	0.91	0.91	0.91	0.89	0.89	0.89	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	0	0	0	0	0	0
Cap, veh/h	288	1157	980	606	868	245	263	300	110	300	172	219
Arrive On Green	0.62	0.62	0.62	0.62	0.62	0.62	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	666	1870	1585	963	1403	396	1231	1325	487	1275	758	968
Grp Volume(v), veh/h	59	335	89	41	0	822	143	0	134	132	0	173
Grp Sat Flow(s),veh/h/ln	666	1870	1585	963	0	1799	1231	0	1812	1275	0	1726
Q Serve(g_s), s	5.5	6.7	1.8	1.7	0.0	25.7	9.0	0.0	4.9	7.7	0.0	6.9
Cycle Q Clear(g_c), s	31.1	6.7	1.8	8.3	0.0	25.7	15.9	0.0	4.9	12.7	0.0	6.9
Prop In Lane	1.00		1.00	1.00		0.22	1.00		0.27	1.00		0.56
Lane Grp Cap(c), veh/h	288	1157	980	606	0	1113	263	0	411	300	0	391
V/C Ratio(X)	0.20	0.29	0.09	0.07	0.00	0.74	0.54	0.00	0.33	0.44	0.00	0.44
Avail Cap(c_a), veh/h	288	1157	980	606	0	1113	287	0	446	325	0	425
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.7	7.1	6.2	9.0	0.0	10.7	33.4	0.0	25.8	31.1	0.0	26.6
Incr Delay (d2), s/veh	1.6	0.6	0.2	0.2	0.0	4.4	1.8	0.0	0.5	1.0	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.2	0.5	0.3	0.0	8.8	2.8	0.0	2.2	2.4	0.0	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.3	7.7	6.4	9.2	0.0	15.1	35.2	0.0	26.3	32.1	0.0	27.4
LnGrp LOS	C	A	A	A	A	B	D	A	C	C	A	C
Approach Vol, veh/h		483			863			277				305
Approach Delay, s/veh		9.4			14.8			30.9				29.4
Approach LOS		A			B			C				C
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		55.6		24.4		55.6		24.4				
Change Period (Y+Rc), s		* 6.1		* 6.3		* 6.1		* 6.3				
Max Green Setting (Gmax), s		* 48		* 20		* 48		* 20				
Max Q Clear Time (g_c+I1), s		33.1		14.7		27.7		17.9				
Green Ext Time (p_c), s		2.2		0.6		5.9		0.2				

Intersection Summary

HCM 6th Ctrl Delay	18.1
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th TWSC
2: Site Drive/Shopping E. Drive & M-36

Intersection												
Int Delay, s/veh	1.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗			↕			↕	
Traffic Vol, veh/h	1	420	11	28	755	20	11	0	28	9	0	2
Future Vol, veh/h	1	420	11	28	755	20	11	0	28	9	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	500	-	-	500	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	93	93	93	92	92	92	69	69	69
Heavy Vehicles, %	1	1	1	1	1	1	2	2	2	0	0	0
Mvmt Flow	1	442	12	30	812	22	12	0	30	13	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	834	0	0	454	0	0	1335	1344	448	1348	1339	823
Stage 1	-	-	-	-	-	-	450	450	-	883	883	-
Stage 2	-	-	-	-	-	-	885	894	-	465	456	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.12	6.52	6.22	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.518	4.018	3.318	3.5	4	3.3
Pot Cap-1 Maneuver	804	-	-	1112	-	-	131	152	611	129	154	377
Stage 1	-	-	-	-	-	-	589	572	-	343	367	-
Stage 2	-	-	-	-	-	-	340	360	-	581	572	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	804	-	-	1112	-	-	127	148	611	120	150	377
Mov Cap-2 Maneuver	-	-	-	-	-	-	127	148	-	120	150	-
Stage 1	-	-	-	-	-	-	588	571	-	343	357	-
Stage 2	-	-	-	-	-	-	328	350	-	551	571	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0.3			19.3			34.7		
HCM LOS							C			D		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	294	804	-	-	1112	-	-	137
HCM Lane V/C Ratio	0.144	0.001	-	-	0.027	-	-	0.116
HCM Control Delay (s)	19.3	9.5	-	-	8.3	-	-	34.7
HCM Lane LOS	C	A	-	-	A	-	-	D
HCM 95th %tile Q(veh)	0.5	0	-	-	0.1	-	-	0.4

Intersection: 1: Chilson Road & M-36

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	TR	L	TR	L	TR
Maximum Queue (ft)	70	131	57	29	147	90	78	125	125
Average Queue (ft)	24	53	13	6	51	42	33	56	50
95th Queue (ft)	51	107	38	23	106	80	67	105	99
Link Distance (ft)	116	116	116		876	231	231		506
Upstream Blk Time (%)		0	0						
Queuing Penalty (veh)		1	0						
Storage Bay Dist (ft)				500				175	
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 2: Site Drive/Shopping E. Drive & M-36

Movement	WB	NB	SB
Directions Served	L	LTR	LTR
Maximum Queue (ft)	42	36	36
Average Queue (ft)	9	22	10
95th Queue (ft)	32	46	35
Link Distance (ft)		178	343
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	500		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 9000: M-36 & BP Drive

Movement	EB	EB	SB
Directions Served	LT	T	LR
Maximum Queue (ft)	24	23	31
Average Queue (ft)	2	1	8
95th Queue (ft)	14	13	30
Link Distance (ft)	171	171	257
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 9001: Motel Drive/Shopping W. Drive & M-36

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	28	40
Average Queue (ft)	4	18
95th Queue (ft)	19	44
Link Distance (ft)		353
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	500	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 1

Intersection: 1: Chilson Road & M-36

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	TR	L	TR	L	TR
Maximum Queue (ft)	98	135	49	53	314	173	137	154	141
Average Queue (ft)	38	67	14	18	164	78	51	76	68
95th Queue (ft)	78	124	33	41	277	140	103	132	118
Link Distance (ft)	116	116	116		876	231	231		506
Upstream Blk Time (%)	1	1				0			
Queuing Penalty (veh)	1	1				0			
Storage Bay Dist (ft)				500				175	
Storage Blk Time (%)								0	0
Queuing Penalty (veh)								0	0

Intersection: 2: Site Drive/Shopping E. Drive & M-36

Movement	WB	NB	SB
Directions Served	L	LTR	LTR
Maximum Queue (ft)	35	68	44
Average Queue (ft)	10	26	11
95th Queue (ft)	33	55	37
Link Distance (ft)		178	343
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	500		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 9000: M-36 & BP Drive

Movement	EB	EB	SB
Directions Served	LT	T	LR
Maximum Queue (ft)	17	10	31
Average Queue (ft)	1	0	9
95th Queue (ft)	9	7	31
Link Distance (ft)	171	171	257
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 9001: Motel Drive/Shopping W. Drive & M-36

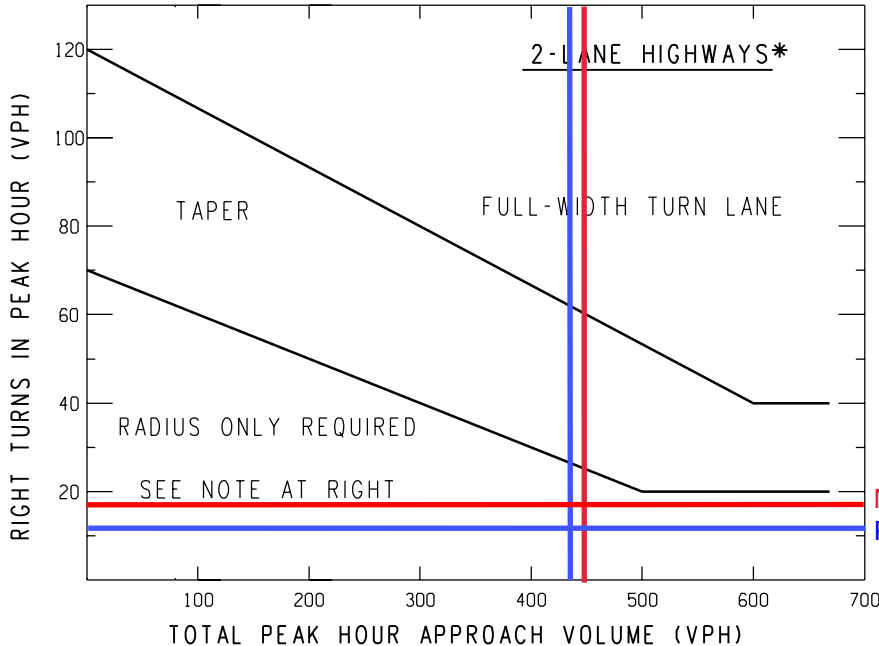
Movement	EB	WB	NB	SB
Directions Served	L	TR	LTR	LTR
Maximum Queue (ft)	27	5	31	58
Average Queue (ft)	5	0	3	21
95th Queue (ft)	23	3	17	50
Link Distance (ft)		274	201	353
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	500			
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 3

Item 20.

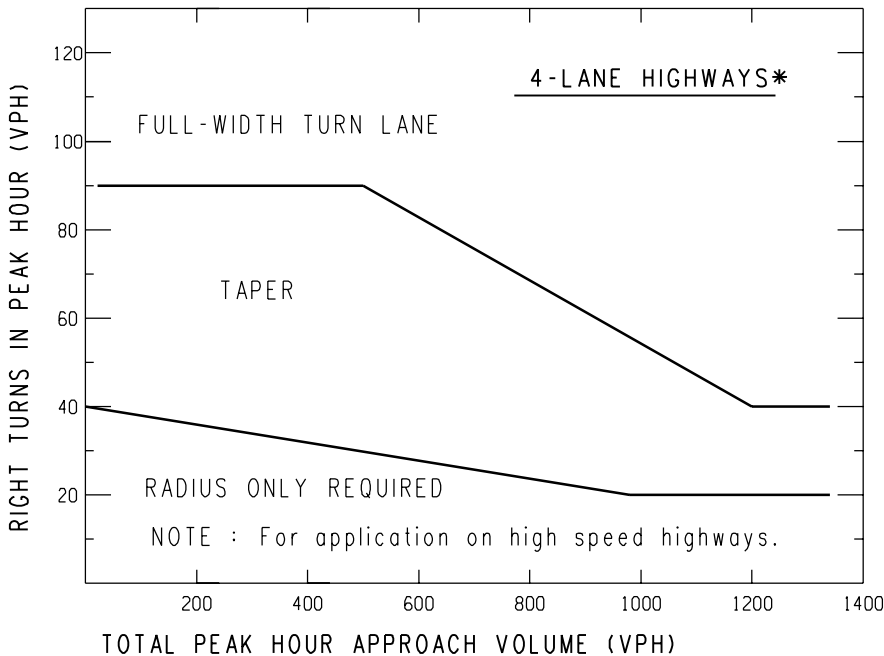
PM=431 MD=443



NOTE:
For posted speeds at or under 45 mph, peak hour right turns greater than 40 vph, and total peak hour approach less than 300 vph, adjust right turn volumes.

Adjust peak hour right turns = Peak hour right turns - 20

RT Treatment NOT Recommended



*If a center left-turn lane exists (i.e. 3 or 5 lane highway), subtract the number of left turns in approach volume from the total approach volume to get an adjusted total approach volume.

Sample Problem:

The Design Speed is 55 mph. The Peak Hour Approach Volume is 300 vph. The Number of Right Turns in the Peak Hour is 100 vph. Determine if a right turn lane is recommended.

Solution:

Figure indicates that the intersection of 300 vph and 100 vph is located above the upper trend line; thus, a right-turn lane may be recommended.

<p>TRAFFIC AND SAFETY NOTE</p>	<p>TRAFFIC VOLUME GUIDELINES FOR RIGHT-TURN LANES AND TAPERS</p>	
	<p>DRAWN BY: MTS</p> <p>CHECKED BY: JAT</p> <p>FILE: K:/DGN/ts notes/Note604A tsn.dgn</p>	<p>08/05/2004</p> <p>PLAN DATE:</p> <p>REV. 08/05/2004</p>

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

To: Township Board

From: David Rohr

Date: May 7, 2024

RE: Final Site Plan Application for General Planned Unit Development (GPUD23-001)

The proposed project will be built in two phases. Phase one will include a gas station building (5,475sqft) attached to a mixed-use retail/residential building, as well as a gas station canopy with twelve stalls (Parcel B). Phase two will include 40 for-rent Townhomes in eight buildings with between 4-7 units in each building and a 1,400 square foot community center/office management building. (Parcel A)

PROJECT LOCATION:

The project is located on two sites at the south side of the Hamburg Road and M-36 intersection: parcel 15-25-101-078 at 7620 East M-36 and parcel 15-25-200-025 at 10303 Hamburg Road.

A parcel combination of four parcels and land division to create two parcels has been processed by the Township (PLD23-007). The boundary adjustment will allow the proposed townhome project to be on one site (Parcel A, 4.47) and the mobile gas station to be on a separate site (Parcel B, 1.42 acres)

PROJECT HISTORY:

Project GPUD23-001, Site Plan Application for General Planned Unit Development was heard at the December 20, 2023, Planning Commission meeting. No formal action was taken at the meeting and the project was tabled to a later date.

February 21, 2024, Planning Commission Meeting: The applicant has worked to address the issues raised and the December meeting, including new architectural facades of the apartment buildings and commercial buildings on M-36 and an increased landscape buffer on the east side of the development.

March 5, 2024, the Board of Trustees approved the preliminary site plan.

April 17, 2024, the Planning Commission approved the final site plan with the following conditions. (Draft minutes)

Condition 1:

Prior to the issuance of a land use permit as needed all appropriate approvals from local, county, state, and federal agencies, including, but not limited to, Hamburg Township Fire, Accessor, and Public Works Departments, the Livingston County Road Commission, Drain

Commissioner, and Health Department; and the Michigan Department of Environment, Great Lakes and Energy and Transportation shall be received.

Item 21.

Condition 2:

A development agreement including master deeds and bylaws will be submitted for this project. This agreement will be reviewed by the Township Attorney. This agreement shall include a cross access agreement that allows public use of the private roadways, sidewalks, and parks within the project.

Condition 3:

The lift station will be shown on the site plan between the gas station and the community center.

Condition 4:

The Phase 2 lighting plan will be reviewed by the Zoning Administrator and a Planning Commission representative.

RECOMMENDATION:

Staff suggests that the Township Board discuss and review the April 17, 2024, Planning Commission Staff report, the recommendations by the Hamburg Township Planning Commission and the proposed project plans and application materials. The Board should make a determination on the preliminary site plan in terms of its own judgment on particular factors related to the individual proposal. The Board should make a determination if the project meets the site plan review standards A-L in section 36-73 (7).

Example Approval Motion

The Township Board approves the **Final Site Plan Application for General Planned Unit Development (GPUD23-001)** for the proposed two phased project. Phase one will include a gas station building (5,475sqft) attached to a mixed-use retail/residential building, as well as a gas station canopy with twelve stalls (Parcel B). Phase two will include 40 for-rent Townhomes in eight buildings with between 4-7 units in each building and a 1,400 square foot community center/office management building. (Parcel A), with conditions one through four, inclusive, the project does meet the site plan review standards A through L of Section 36-73(7) of the Zoning Ordinance as discussed at the April 17, 2024, Planning Commission meeting, and as presented in the staff report.

ATTACHMENTS:

Attachment A: Draft April 17, 2024, Planning Commission meeting minutes

Attachment B: April 17, 2024, Planning Commission Staff Report and Exhibits

PHONE: 810-231-1000
FAX: 810-231-4295



P.O. Box 157
10405 Merrill Road
Hamburg, Michigan 48139-0157

To: Planning Commissioners

From: David Rohr
Hamburg Township
Township Planner

Date: April 17, 2024

Agenda Item:

Project Number: Final Site Plan Application for General Planned Unit Development (GPUD23-001)

Project Location: 76200 M-36 and 10303 Hamburg Road

Owner: Ronny Hamama

Applicant: Ronny Hamama

LOCATION:

The project is located on two sites at the south side of the Hamburg Road and M-36 intersection: parcel 15-25-101-078 at 7620 East M-36 and parcel 15-25-200-025 at 10303 Hamburg Road.

A parcel combination of four parcels and land division to create two parcels has been processed by the Township (PLD23-007). The boundary adjustment will allow the proposed townhome project to be on one site (Parcel A, 4.47) and the mobile gas station to be on a separate site (Parcel B, 1.42 acres)

PROJECT HISTORY:

Project GPUD23-001, Site Plan Application for General Planned Unit Development was heard at the December 20, 2023, Planning Commission meeting. No formal action was taken at the meeting and the project was tabled to a later date.

Project GPUD23-001, was heard again at the February 21, 2024, Planning Commission meeting. The applicant worked to address the issues raised and the December meeting, including new architectural facades of the apartment buildings and commercial buildings on M-36 and an increased landscape buffer on the east side of the development. The Planning Commission approved preliminary site plan for GPUD23-001 6-1 in favor.

Project GPUD23-001 was heard at the Board of Trustees meeting March 5, 2024. The Board of Trustees approved the preliminary site plan, 4-1 in favor.

Location Map



PROJECT DESCRIPTION:

The proposed project will consist of two parcels, Parcel A and Parcel B. It will require the approval of a boundary adjustment between the existing two parcels, with the boundary

adjustment making parcel 15-25-101-078 (Parcel A) larger and parcel 15-25-200-025 (Parcel B) smaller.

Parcel A is currently 1.57 acres and will be 4.46 acres with 194,357 square feet once the boundary adjustment is completed. An existing house on this parcel will be removed as part of the proposed project. Parcel B is currently 3 acres and will be 1.4 acres with 61,961 square feet once the boundary adjustment is completed. Parcel B is now being developed with an existing gas station.

Parcel A will consist of 40 attached two-story multi-family units (38,800 SF) and a community center (1,400 SF). The 40 units will be owned under common ownership and will be rented as apartments. Parcel B will include a gas station building (2-story, 5,475 SF) attached to a mixed-use retail/residential building (2-story, 2,400 SF), as well as a gas station canopy with 12 stalls and a height of 17'. The Retail building will be used as offices for the apartment use.

Parcel A will also have an 81,447 SF shared open space area as well as 21 parking spaces along the alley that are not immediately adjacent to the individual units. Parcel B will have a 7,843 SF shared open space area and 37 lot parking spaces, four of which will be accessible.

The project will have four entrances: two from M-36 and two from Campbell Street. All 40 units will face the looping alley, and 15 parallel guest parking spaces will be placed along the alley from west, 2 to the south, and 4 to the east (Total 21 guest parking). The 40 dwellings will have front door access from the community green space and a garage access. The gas station will have two entrances, one at the South Elevation and the other at the West Elevation. There are 15 parking spaces in front of those entrances. The Retail building will have an entrance at the South Elevation and another one for the residential units at the East Elevation facing Campbell Street. There will be 9 parking spaces facing the residential entrance.

The project is proposed as a General Planned Unit Development to allow more flexibility with the zoning code requirements. Please see the Zoning Regulations section below for a list of the zoning code requirements.

GENERAL PLANNED UNIT DEVELOPMENT REVIEW PROCESS:

Sec. 36-447. - Final PUD site plan review.

(a) The applicant shall submit a final PUD site plan which contains all information required for site plan review under [section 36-73\(6\)](#) and approvals from all appropriate county, state and federal agencies, including, but not limited to, the county road commission, county drain commissioner, county health department and the Michigan Department of Transportation.

(b) The planning commission shall review the submitted final PUD site plan to ensure compliance with all standards and criteria of the Hamburg Township zoning ordinance, the master plan, village center master plan, and the Southeast Livingston County Greenways Plan where applicable. The planning commission then shall take action to recommend approval or

denial of the final PUD site plan to the Township Board based upon compliance with the above referenced standards.

(c) Upon receipt of the report and recommendation of the planning commission, the Township Board shall review all findings. If the Township Board determines that approval would be appropriate, it shall work with the application and the Township Attorney to prepare a development agreement setting forth the conditions upon which such approval is based. Such conditions shall include, where appropriate, identification of the phases and timetable for development, and an estimate of the costs of implementing each phase.

(d) After approval by resolution of the Township Board, the development agreement shall be executed by the Township and the applicant and recorded in the county records. Approval shall be granted only upon the Township Board determining that all qualification requirements, conditions of approval, and provisions of this and other Township ordinances have been met, and that the proposed development will not adversely affect the public health, welfare and safety. Approval shall further be subjected to the condition that the contract will be properly recorded.

(e) Approval of a PUD site plan shall be effective upon recording the contract and filing proof of recording with the Township Clerk.

(f) Once an area has been included, within the boundaries of an approved PUD, no development may take place in the PUD except in accordance with the Township Board-approved PUD site plan.

(g) Prior to any development within the area involved, an approved PUD site plan may be terminated by the applicant or the applicant's successors or assigns, by filing with the Township and recording in the county records an affidavit so stating. The approval of the plan shall terminate upon such recording.

(h) No approved plan shall be terminated after development commences except with the approval of the Township Board and of all parties having an equity interest in the land.

ZONING ORDINACE REGULATIONS:

The subject sites are located within the Village Center (VC) and Village Residential (VR) Zoning District. The zoning district regulations are listed below with the GPUD process allows flexibility to the required regulations. Table 1 summarizes the zoning regulations that apply for the proposed project:

Table 1 (Sheet AS1.00 Site Plan)

SITE DATA

Regulation	Information
Parcel I.D.	#4715-25-101-078 / #4715-25-200-025 / #4715-25-200-024 / #4715-25-200-023
Address	7620 E. M-36 & 10908 Hamburg Rd. Hamburg Twp, MI
Zoning	VC - Village Center/VR- Village Residential
Lot Area	Parcel A -194,357 Sq. Ft. / Parcel B - 61,961 Sq. Ft.
Lot Area Combined:	256,501 Sq. Ft. (5.88 Acres)

ZONING SCHEDULE OF REGULATIONS

Regulation	Required	Provided - Parcel A (Townhomes)	Provided - Parcel B (Service Station)
Setbacks	VR Zoning Front: 20' Side: 10' Rear: 25' VC Zoning Front: 20' Side: 10' Rear: 15' Garage: 5' From Building Line 10' Between each building	BUILDING A : COMMUNITY CENTER	
		SERVICE STATION	
		BUILDING B, C, D & E	
		BUILDING F	
Min. Lot Area	VR: 80 SF VC: 65 SF	4.46 Acre - 194,357 Sq. Ft.	
		1.4 Acre - 61,961 Sq. Ft.	
		40 Dwelling units /4.46 Acre 10 unit/Acre	
		2 Dwelling units /1.4 Acre 2 unit/Acre	
Building Height	VR / VC : 35' / 2.5 Stories	2 Stories / 28'-9" 22'-6" Townhome	
		1 Story/18'-8" Community center	
Maximum Lot Coverage building/parking	VR: 35/40 VC: 50/80	21% Building (40,201 SF) 58 % Total Impervious (112,910 SF)	
		24% (15,145 SF) 87% (54,118 SF)	
Open Space	1,500 SF/ PER UNIT 60,000 SF REQ. OPEN SPACE	2,036 SF / Unit Provided (81,447 SF)	
		7,843 SF	
		PARCEL A & B COMBINED TOTAL BUILDING COVERAGE 65%	
		PARCEL A & B COMBINED OPEN SPACE 77,776 SF	

PARKING SUMMARY - Parcel A (Townhomes)

Regulation	Required	Provided
Site Requirement	1.5 Spaces /Unit: 1.5/40 units = 60 Spaces + Community Center 1 Space / 400 SF = 3.5 Spaces	15 Street Parking Spaces: (Guest) + 40 Garage Parking Spaces + 8 Lot parking spaces @ service station 4 Spaces by Community Center
	Total	63.5 Spaces Required
		67 Spaces Provided

PARKING SUMMARY - Parcel B (Service Station)

Regulation	Required	Provided
Site Requirement	Service Station: 1 Space / Stall + 1 Employee = 13 Spaces Retail: Retail: 1 Space / 150 SF = 16 Spaces	37 Lot Parking Spaces +
	Total	29 Spaces Required including 2 Accessible Space
		37 Spaces Provided including 4 Accessible Parking Spaces

Landscaping:
 The final plan provides a tree removal plan and shows that many trees will need to be removed with a few existing trees to be preserved within the proposed open space park.

Plan Page L101: Landscape Plan shows conceptual landscaping including the existing trees to remain and proposed new trees.

The landscaping plan details two buffer areas: west and south. Both proposed buffers provide more landscaping than is required. The entire site (sans M-36) is wrapped in a 6' wooden fence.

In the Zoning Regulations the Planning Commission may waive or reduce the buffer zone landscaping requirement if equivalent screening is provided by existing or planned parks, parkways, recreation areas, or by existing woodlands on the lot, and topographic or other natural conditions. Existing quality trees (hickory, oak, maple, ash) with a caliper at least eight inches shall count as two trees toward the above requirements.

1. Where a six-foot-high continuous wall is required, such wall shall be a masonry wall, except that the planning commission may allow the substitution of a six-foot-high pressure-treated wood fence.
2. Waiver for a 6-foot landscape buffer on the east and west side of development, phase two.

Because this project is a General Planned Unit Development the landscape requirements can be set by the Development Agreement as part of the Planned Unit Development process and the Planning Commission does not need to officially waive the landscaping requirements.

Lighting:
 The lighting plan of the project shows 21 lights along the main roadway all between M-36 and Campbell Rd.

In the Village Center area, A consistent type of pedestrian scale ornamental lighting shall be provided along all sidewalks, within any off-street parking lots and along road frontages.

Signs:
 Signs details were submitted for the VR and VC districts. The submitted sign details appear to conform to the ordinance requirements. Any additional signage proposed for the project will be provided as a part of the final site plan review and shall meet the requirements of the zoning regulations.

<p>General. The overall design and mixture of uses shall be consistent with the intent of this district. Compatibility of uses shall be determined by the following:</p> <ol style="list-style-type: none"> 1. The uses shall not create noise, dust, odors, fumes or other nuisances that will have an obnoxious effect on surrounding residences. 2. Traffic volumes generated by the use shall not have a negative impact on 	<p>✓ ✓</p>
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<p>surrounding residential character.</p> <ol style="list-style-type: none"> 3. Architecture shall meet the requirements of section 36-73(7). 4. Location and use of yards shall contribute to the continuation of open space areas within the immediate vicinity. 5. Location and design of landscaping and pedestrian areas shall be compatible with and enhance the area pedestrian and open space network. 6. Location, size and types of architectural projections such as porches or awnings shall be compatible with other structures along the same block. 7. Location, scale and design of signs shall be consistent with the character of other signs, street elements structures and uses located along the same street. 8. Residential development shall be designed to be compatible with surrounding land uses, while providing a mixture of housing types to meet the varied needs of Township residents. <p>Staff Analysis: The project has been designed to be compatible with the surrounding area and to have a downtown village appearance, creating a design to help foster community interaction. MDOT and the LCRC will require the developer to prepare a traffic study for this project and MDOT and LCRC approvals will be required as a part of the final site plan review.</p>	<p>✓ ✓ ✓ ✓ ✓ ✓</p>
<p>Sidewalks/pedestrian circulation.</p> <ol style="list-style-type: none"> 1. Site design shall demonstrate a special sensitivity to pedestrian circulation and safety. 2. Sidewalks at least five feet wide and at least seven feet wide where abutting parking shall be provided along public streets and private roads; bike paths shall be required in locations designated in the Hamburg Village master plan or to provide linkages with existing or planned bikepaths. 3. All developments shall provide pedestrian linkages between public sidewalks and the building entrances. <p>Staff Analysis: The sidewalk system within the development has been designed to provide good pedestrian access within the site and to the surrounding areas both along M-36, Pearl Street, and Campbell St. The developer may wish to consider creating a pedestrian access route from the area off the sidewalk on Campbell Ct. in the development that is closest to the retail store at the gas station to allow easy access to this use.</p>	<p>✓ ✓ ✓</p>

<p>Architecture.</p> <ol style="list-style-type: none"> 1. Buildings shall possess architectural variety but enhance the overall cohesive and historic village character. 2. Building architecture shall meet the standards of section 36-73(7). 3. The first floor of front facades shall include at least 30 percent windows. The approximate size, shape, orientation and spacing shall match that of buildings on adjacent lots. 4. The mass and proportion of structures shall be similar to structures on adjacent lots and on the opposite site of the street. Larger buildings may be broken-up with varying building lines and rooflines to provide a series of smaller scale sections which are individually similar in mass and proportion to surrounding structures. 5. Buildings located on corner lots shall provide distinct and prominent architectural features or site elements which reflect the importance of the building's corner location and creates a positive visual landmark. An entry feature or site landmark shall be required at corners designated for such a feature in the Hamburg Village master plan. The architectural feature or site element shall be subject to planning commission approval. <p>Staff Analysis: The proposed designs have utilized large front porches and with garages access along the roadways. The fronts of the nine proposed units will be accessed off a park area providing a unique feature to this tight community. The main street layout and the on-street parking is also utilized to provide a downtown village feel when entering this development.</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>
<p>GPUD Requirements:</p> <ol style="list-style-type: none"> A. Location. A GPUD shall only be created on development sites within the Township which have a portion of the property located within the Neighborhood Service (NS), Community Service (CS), Mixed Use Development (MD), Village Residential (VR), or Village Center (VC) zoning districts. B. Size. A GPUD shall only be created on development sites one (1) acre in area or greater. C. Permitted Uses. <ol style="list-style-type: none"> 1. Uses that are listed as Permitted Uses or Special Uses in the underlying zoning district or uses identified in the underlying future land use category of the Township Master Plans may be permitted in a GPUD development. 	<p>✓</p> <p>✓</p> <p>✓</p>

Planned Unit Development Project Standards (Section 36-442)

In considering any application for approval of any Planned Unit Development community site plan, the Planning Commission shall make their determinations on the basis of the standards for site plan approval set forth in Article 3 of this chapter, as well as the following standards and requirements:

(1)

A GPUD shall promote the goals and objectives of the Township master plan, and village center master plan. Including the intent and guidelines related to site design as stated in the transportation section of the master plan, and the village design chapter of the Hamburg Township village center master plan, where applicable. Along with other appropriate site design standards, guidelines, and principles, the following site development elements shall also be reviewed for consistency with the applicable guidelines of the master plan and the village center master plan:

- a. Sidewalks/pedestrian circulation.
- b. Parking/loading areas.
- c. Architecture.
- d. Signs.
- e. Street and access design.
- f. Lighting.
- g. Landscaping.

This project has been designed to comply with the Village Center Master Plan. The future land use designation of the subject site is Village Core along M-36 and Village Residential-10 everywhere else on the property. The Community Center/Office building was intentionally located on the site closer to M-36 and the residential component of the project has been proposed south of community center/ office building and the existing gas station. The project architecture of the structures and layout of the project has been created to meet the requirements in the Village Center Master Plan, Village Residential areas.

(2)

A GPUD shall result in a higher quality of development than could be achieved under conventional zoning.

The project open space and the connections provided through the site result in a higher quality of development than could be achieved otherwise.

(3)

A GPUD shall not be created in situations where the same land use objectives can be accomplished by the application of conventional zoning provisions or standards without the need for variances.

Because of the long roadway extension to access Campbell Street to the east and in creating the centralized public park/retention area on the site some regulatory flexibility is required for the development of the site.

(4)

A GPUD may be created only when the proposed land use will not add public service and facility loads beyond those contemplated in the master plan or other applicable plans or policies of the Township unless the applicant can demonstrate to the sole satisfaction of the Township Board that such added loads will be accommodated or mitigated by the proponent as part of the GPUD or by some other means deemed acceptable to the Township Board.

The proposed GPUD will add additional public service and facility loads envisioned by the Village center master plan. The Township Board will confirm this in the final site plan review.

(5)

Creation of a GPUD shall establish land use patterns which are compatible with and protect existing or planned use. The use of the GPUD option shall not be for the purpose of avoiding applicable zoning requirements of the underlying zoning district.

The proposed project is a General Planned Unit Development (GPUD). The proposed project meets most of the regulations of the zoning district. However, because of the layout of the project, the size of the landscape buffer has been reduced from 20 feet to 6 feet and in certain areas of the site. To soften the design of the project and to lessen the impact on the adjacent properties a continuous wall along the perimeter of the entire site has not been proposed as a part of the project.

The Hamburg Township zoning ordinance states that the intent of the GPUD is to

- Permit private development which is substantially in accordance with the goals and objectives of the Township Master Plan which and the Township Village Center Master Plan.
- Permit regulatory flexibility to achieve development that comply with the Township's Master Plans in order to achieve economy and efficiency in the use of land, natural resources, energy and in the provision of public services and utilities; to encourage the creation of useful open space particularly suited to the proposed development and parcel on which it is located; and to provide appropriate housing, employment, services and shopping opportunities to satisfy the needs of residents of the Township of Hamburg.

The GPUD should be laid out so that proposed uses, buildings, and site improvements relate to each other and to adjoining existing and planned uses in such a way that they will be compatible, with no material adverse impact of one use on another.

It appears that the proposed project will meet the intent of the GPUD. By allowing this project some slight regulatory flexibility, the proposed development will be compatible with the Master Plan, provided needed multi-unit housing within the village area, achieve the efficient use of the land, and will provide important pedestrian connections and amenities in the village area.

(6)

A GPUD shall not be allowed solely as a means of increasing the density or intensity of development.

The density of the project is not increased over what would be allowed under the underlying zoning district.

(7)

A GPUD shall improve the appearance of the Township through quality building design and site development, the provision of trees and landscaping consistent with or beyond minimum requirements; the preservation of unique and/or historic sites or structures; and the provision of open space or other desirable features of a site beyond minimum requirements.

The design of this project will improve the appearance of the Township and will provide needed connection through the site to the surrounding community, on street parking and high-quality design features. The proposed for-rent townhomes will also provide the Village area with a much-needed housing alternative to the existing single-family housing within the Village.

Standards for Site Plan Review (Section 36-73).

Compliance with the standards of this section are required as a part of the Final Site Plan review. Staff has included these standards into the review of the preliminary site plan to make sure that if the preliminary site plan review is approved the applicant is aware that the project will need to meet the requirement of this section once all the required information is submitted for final site plan review. In the review of all site plans, the Zoning Administrator and the Planning Commission shall endeavor to assure the following:

a. The proposed development conforms to all provisions of this chapter.

The proposed development has been designed to meet all the required site plan review requirements. See the development compliance review table on pages 3 to 7 of this report for information about how the proposed project would conform to all the provisions of the Zoning Ordinance regulations.

b. All required information has been provided.

The application is for the final site plan for the GPUD. It appears that the applicant has submitted adequate information for the planning commission review of the final site plan for the proposed GPUD project. All required information under section 36-73 and as to address the initial comments from the different agencies and reviewing bodies will be required prior to final site plan review.

c. The movement of vehicular and pedestrian traffic within the site and in relation to access streets and sidewalks will be safe and convenient.

The Township fire district and township engineer has reviewed the roadway and sidewalk layout of the project. The project has been designed to access both M-36 and Campbell Ct. providing two forms ingress/egress for the development. with one main roadway. The sidewalk system that is proposed will provide pedestrian connection to the units and

pedestrian access through the site from the multiuse trail and commercial along M-36 to the Village Area and the Lakelands trail via Pearl Street. The site has been designed to provide safe and convenient streets and sidewalks.

MDOT approvals will also be required prior to issuance of a zoning permit for this project.

d. The proposed development will be harmonious with existing and future uses in the immediate area and the community.

The development will be harmonious with existing and future uses.

e. The proposed development provides the necessary infrastructure improvements, such as roads, drainage, pedestrian facilities and utilities, to serve the site, and be adequately coordinated with the current and future use of adjacent properties.

Please see attached engineer review.

f. The applicable requirements of Township, county and state agencies are met regarding grading and surface drainage and for the design and construction of storm sewers, stormwater holding facilities, water mains, and sanitary sewers.

See comments in item e above.

g. Natural resources will be preserved to the maximum extent possible in the site design by developing in a manner which will not detrimentally affect or destroy natural features such as lakes, ponds, streams, wetlands, steep slopes, and woodlands.

There are not any lakes, ponds, streams, wetlands, or steep slopes on the site. The site is wooded and most of the trees will be removed as a part of the project. The project does propose to preserve 61 existing trees.

h. The proposed development shall respect the natural topography to the maximum extent possible by minimizing the amount of cutting, filling, and grading required.

A detailed grading plan has been submitted. The subject property is relatively flat and the location of the improvements on the site have been placed on the areas with the least slope. The grading plan will be reviewed by the Township engineer.

i. The proposed development will not cause soil erosion or sedimentation.

Prior to issuance of a building permit for this project the Livingston County Drainage Commission will require approval of a soil erosion and sedimentation plan that meets the local and state requirements.

j. Landscaping, including trees, shrubs and other vegetative material is provided to maintain, improve and/or restore the aesthetic quality of the site.

A detailed landscape plan has been provided as a part of the GPUD final site plan review. The landscaping will help screen the project from the surrounding homes and help to restore the aesthetic quality of the site.

k. Conformance to the adopted Hamburg Township Engineering and design standards.

The township engineer has done a review of the final plans and project layout. The engineering comments are attached. If the GPUD final site plan is approved the application will address the engineering comments and will be required to comply with all Hamburg Township Engineering and design standards prior to the issuance of a land use permit.

- I. All proposed commercial, office, industrial, institutional and multiple-family development shall utilize quality architecture to ensure that buildings are compatible with surrounding uses, protect the investment of adjacent landowners, blend harmoniously into the streetscape and meet the objectives the Township master plan. New buildings, additions and renovations shall be designed to preserve or complement the design character of existing development, provide visual harmony between old and new buildings, and create a positive image for the Township's various commercial shopping nodes. Commercial, office, industrial, institutional and multiple-family architecture shall be reviewed by the planning commission under the following criteria:**
 - 1. Buildings shall front towards and relate to the public street. Buildings shall be located to create a defined streetscape through uniform setbacks and proper relationship to adjacent structures. Proper relationship to existing structures in the area shall be maintained through building mass, proportion, scale, roofline shapes and rhythm. Buildings within the area designated on the master plan and Village Center master plan as the "Hamburg Village" shall be compatible with the historic character of the unincorporated place commonly referred to as the "Old Hamburg Village."**
 - 2. Building materials and colors shall relate well and be harmonious with the surrounding area. Roof shape and materials shall be architecturally compatible with adjacent buildings and enhance the predominant streetscape. For any side of a principal building facing a public or private street, at least 50 percent of the facade shall be constructed of, or covered with, the following materials:**
 - 1. Brick;**
 - 2. Fluted or scored concrete block;**
 - 3. Cut stone;**
 - 4. Vinyl siding;**
 - 5. Wood siding;**
 - 6. Glass; or**
 - 7. Other materials similar to the above as determined by the planning commission.**
 - 3. Buildings shall possess architectural variety, but enhance the overall cohesive community character. Buildings shall provide architectural features, details and ornaments such as archways, colonnades, towers, cornices or peaked rooflines.**
 - 4. Building walls over 100 feet in length shall be broken up with a combination of the following: varying building lines, windows, architectural accents and trees.**
 - 5. Building entrances shall utilize windows, canopies and awnings; provide unity of scale, texture, and color; and provide a sense of place.**
 - 6. Where the rear facade of a building will be visible from a residential zoning district, or the rear of the site will be used for public access or parking, such rear facade shall be constructed to a finished quality comparable to the front facade.**
 - 7. Signs, landscaping, lighting and other site elements shall be coordinated and compatible with the building design, as well as harmonious with other nearby**

developments. Developments shall provide site features such as decorative entry signs, ornamental lighting, pedestrian plazas and/or pedestrian furniture.

The proposed layout and structures on the site have been designed to be compatible with the village character of the ‘Old Hamburg Village’ and to comply with the Village Center Master Plan.

The proposed streetlights shall match the required street lighting in the Village Center Master plan and shall be appropriately spaced along the entirety of the main roadway and lower level pedestrian lighting shall be used in the park to allow safe access to the fronts of the nine houses that front this park area.

RECOMMENDATIONS:

The Planning Commission should review and discuss the final GPUD site plan application, the submitted materials including the project plans, the staff report, and any information presented at the public meeting; and either recommend approval or denial of the preliminary site plan for the GPUD to the Township Board.

Example Approval Motion:

The Planning Commission recommends approval of the final GPUD site plan, as shown on project plan (Exhibit A), to the Township Board because the project as conditioned it is consistent with the requirements of the General Planned Unit Development regulations and will be able to meet site plan review standards of the zoning ordinance as discussed at the meeting tonight and presented in the staff report with the following conditioned of approval:

Suggested Condition 1:

Prior to the issuance of a land use permit as needed all appropriate approvals from local, county, state, and federal agencies, including, but not limited to, Hamburg Township Fire, Assessor, and Public Works Departments, the Livingston County Road Commission, Drain Commissioner, and Health Department; and the Michigan Department of Environment, Great Lakes and Energy and Transportation shall be received.

Suggested Condition 2

A development agreement including master deeds and bylaws will be submitted for this project. This agreement will be reviewed by the Township Attorney. This agreement shall include a cross access agreement that allows public use of the private roadways, sidewalks and parks within the project.

Next Steps:

If the Planning Commission recommends approval of the final GPUD site plan, the Township Board shall consider the Planning Commission recommendation and shall take action to approve, deny or remand the site plan back to the Planning Commission for further review.

The Planning Commission shall review the submitted Final GPUD site plan to insure compliance with all standards and criteria of Article 3 Site Plan Review and Article 12, Planned Unit Development. The Planning Commission then takes action to recommend approval or denial of the Final GPUD site plan to the Township Board based upon compliance with the above referenced standards.

Upon receipt of the report and recommendation of the Planning Commission, the Township Board shall review all findings. If the Township Board determines that approval would be appropriate, it shall instruct the Applicant to work with the Township Attorney to prepare a development agreement setting forth the conditions upon which such approval is based. Such conditions shall include, where appropriate, identification of the phases and timetable for development, and an estimate of the costs of implementing each phase.

After approval by resolution of the Township Board, the Development Agreement shall be executed by the Township and the applicant and recorded in the County records. Approval shall be granted only upon the Township Board determining that all qualification requirements, conditions of approval, and provisions of this and other Township Ordinances have been met, and that the proposed development will not adversely affect the public health, welfare and safety. Approval shall further be subjected to the condition that the contract will be properly recorded.

Exhibits:

Exhibit A: Project Application.

Exhibit B: Final GPUD site plan and other project plans.

Exhibit C: Hamburg Township Fire Department Initial Review

Exhibit D: Hamburg Township Engineering Consultant Review

Exhibit E: Outside agency reviews.

OFFICE MEMORANDUM

DATE: 4/12/2024

TO: Paul Modi, S.M. Engineers

FROM: Laurent Fournier, Michigan Department
of Transportation

SUBJECT: M-36 at Hamburg Rd, Hamburg twp

MDOT has reviewed the March 15th, 2024, version of the traffic impact study for the Hamburg Village Townhomes and Service Station located at 7620 & 10303 Hamburg Road. MDOT does not have any objections to the update of the M-36 @ Hamburg Rd Intersection to a 4 way Stop control plus channelizing Island (for the WB to NB movement).

Please attach the final version of the TIS and this memo in the permit application documents.

Regards,



Laurent Fournier

From: Ronny Hamama <ronnyhamama@gmail.com>

Date: March 15, 2024 at 1:00:36 PM EDT

To: "Fournier, Laurent (MDOT)" <FournierL@michigan.gov>

Cc: Paul Modi <pmodi@smengineers.us>, Greg Ezzo <GEzzo@smengineers.us>, "Khan, Tanveer" <Tanveer.Khan@atkinsrealis.com>, Wyatt Koetsier <wkoetsier@smengineers.us>, Bill Phillips <wephillips3@aol.com>, "Seif, George (MDOT)" <SeifG@michigan.gov>, Joe Dattilo <jdattilo@smengineers.us>

Subject: Re: M-36/Hamburg Intersection - MDOT permit application #86699

Understood. Thank you.

-Ronny

On Mar 15, 2024, at 11:05 AM, Fournier, Laurent (MDOT) <FournierL@michigan.gov> wrote:

Mr. Hamama,

The slip lane is needed by the time you build the south leg. Feel free to build the south leg+slip lane at the time that's more convenient for you.

<image001.jpg>

Laurent Fournier
Traffic and Safety Engineer
Brighton TSC
10321 E. Grand River, Suite 500
Brighton, MI 48116
(517) 243-9776 | fournierl@michigan.gov



Hamburg Township Public Safety – Fire Division

Item 21.

10100 VETERANS MEMORIAL DRIVE
P.O. BOX 157 ♦ HAMBURG, MI 48139-0157
PHONE: 810-222-1100 ♦ FAX: 810-231-9401
E-MAIL: HTFD@HAMBURG.MI.US

DEPUTY FIRE CHIEF JORDAN ZERNICK *PLAN REVIEW RESULTS*

To: Hamburg Twp. Zoning

From: Deputy Fire Chief, Jordan Zernick

CC: Director Rick Duffany

Subject: Site Plan Review – Hamburg Village Townhomes 10303 Hamburg Rd.

Date: April 3, 2024

I have completed the plan review of the Final Site Plan submittal for the proposed Hamburg Village Townhomes Development in Hamburg Township. The review was based on the applicable Fire Code and Hamburg Township Ordinance Requirements.

The plans are approved as submitted with the following requirements, revisions and clarification:

1. All road shall maintain a clear width of a minimum of 26 ft. and a vertical clearance of 13 ft. 6 inches at all times.
2. Plans to be submitted showing the placement of the water main as well as hydrants within the development.
3. Interior floor plans and building plans to be submitted for the proposed commercial spaces, to include the gas station and accessory dwelling.
4. Commercial building shall be required to have a 3200 series Knox Box placed on the building. Location to be approved by the Fire Code official.
5. Any alterations to these submitted plans shall required the submittal of As Built plans. Plans shall be submitted directly to the Hamburg Township Fire Department.
6. No street parking shall be permissible on the southern 20 ft. road way. Road shall be posted to reflect this requirement.

This approval is subject to field inspection. This approval shall be valid for one year. If construction has not begun within 12 months of the date on this letter the plans must be resubmitted for approval. This approval does not exempt the project from complying with all applicable codes. Additional submittals and approvals may be required.

A handwritten signature in blue ink, appearing to read "J Zernick".

Deputy Chief Jordan Zernick



April 11, 2024

Mr. David Rohr
Planning and Zoning Director
Hamburg Township
10405 Merrill Road
Hamburg, Michigan 48139

Re: Hamburg Village
Final Site Plan Review

Dear David:

We have reviewed the final site plan for the above referenced project as prepared by SM Engineering, dated March 12, 2024, along with supplemental information provided on March 26, 2024. The petitioner is proposing 40 multifamily units along with an office and gas station. We offer the following comments for your consideration:

Grading

1. At this point, we have no concerns with the grading, however, as previously requested, the grading plan should include proposed contours for future submittals (construction plans or future phases).

Storm Drainage

2. The storm calculations are acceptable. However, the application shall submit an analysis and consideration for infiltration as required by the current standards of the Livingston County Drain Commissioner.
3. The applicant is proposing to discharge the site stormwater to the Livingston Street outlet and has received an email approval from the Livingston County Road Commission. The applicant determined the runoff from the area of the site that currently drains onto Livingston Street and limited the site discharge to that rate. Ideally, drainage from this development is coordinated with the potential development to the south. As such, the applicant has added a storm sewer stub to the south to facilitate that coordination.

Sewer

4. Sewage for the initial phase will be discharged by gravity into the existing sewer on M-36. The sewage from the future phase of the development is collected in a gravity sewer and fed into a pump station that will lift the sewage to the existing sewer on M-36. Ideally, the pump station is coordinated with the potential development to the south.

Water

5. The applicant should submit the water main to the Livingston County Water Authority (LCWA) for approval and Act 399 permitting.

David Rohr
April 11, 2024

IMEG #23007096.00
Page 2 of 2

Item 21.

6. Only one connection is proposed to service the 40 plus units. The applicant should consider a second water connection. LCWA will have final authority on this. Ideally, a second water connection is coordinated with the potential development to the south.

In summary, we offer no objection to the approval of the final site plan contingent upon these comments.

Please contact me at (734) 657-4925 with any questions.

Sincerely,

Ted Erickson
Digitally signed by Ted Erickson
DN: cn=TE, email=Ted.L.Erickson@imegcorp.com,
o=IMEG Corp, cn=Ted Erickson
Date: 2024.04.12 09:53:51 -0400

Ted L. Erickson, P.E.
Principal





GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

Bradley C. Wieferich
DIRECTOR

March 28th, 2024

Mr. Ronny Hamama
Hamburg Village Townhomes

Subject: Hamburg Village Townhomes

Dear Mr. Hamama

MDOT has reviewed the latest version of the TIS (v5) and concept plans submitted for Hamburg Village Townhomes & Service Station located at 7620 & 10303 Hamburg Rd.

The full set of plans will have to be reviewed as part of the permit application, but MDOT conceptually approves the proposed driveway design.

Sincerely,



Laurent Fournier
MDOT Brighton TSC
Traffic and Safety Engineer

Livingston County Road Commission

3535 Grand Oaks Drive • Howell, Michigan 48843-8575
Telephone: (517) 546-4250 • Facsimile: (517) 546-9628
Internet Address: www.livingstonroads.org

April 1, 2024

Hunter Galbraith
Design Haus
3300 Auburn Road, Suite 300
Auburn Hills, MI 48326

Re: Hamburg Village - Storm water discharge to Livingston Street
Hamburg Township, Section 25

Dear Hunter:

I have completed a review of the stormwater calculations provided on sheet C5.0 of the plan set with a date of March 3, 2024, for the discharge of stormwater into Livingston Street and found them acceptable.

Before a permit to discharge stormwater into the Livingston Street right-of-way can be issued the following items need to be addressed:

1. An application to perform work within the county road right-of-way needs to be submitted along with an electronic set of construction plans for review and the permit fee (\$40.00).
2. A contractor needs to be selected and the selected contractor must submit a certificate of insurance to the LCRC with the following language: "The Board of Livingston County Road Commissioners, the Livingston County Road Commission, and their officers, agents, and employees are listed additional insured parties with respects to General Liability."
3. Written approval from the Livingston County Drain Commission and/or Hamburg Township for the design of the stormwater system needs to be submitted.
4. A soil infiltration and geotechnical analysis will need to be completed and submitted for review to verify the soils in the retention basin are acceptable for infiltration.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Kim Hiller, P.E.
Utilities and Permits Engineer

Cc: File

David Rohr, Hamburg Township Planning & Zoning Director (via email)
Ken Recker, LCDC Deputy Drain Commissioner (via email)



10405 Merrill Road
P.O. Box 157
Hamburg, MI 48139
(810) 231-1000
www.hamburg.mi.us

Supervisor Pat Hohl Clerk Mike Dolan Treasurer Jason Negri Trustees Bill Hahn, Patricia Hughes, Chuck Menzies, Cindy Michniewicz

PLANNING COMMISSION MEETING

Wednesday, April 17, 2024, at 7:00 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

Commissioner Ron Muir acted as Chair, calling the meeting to order at 7:00 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD:

1) **PRESENT:**

John Hamlin
Patricia Hughes
Victor Leabu Jr
Deborah Mariani
Ron Muir, acting chair
Joyce Priebe

2) **ABSENT:**

Chair Jeff Muck

APPROVAL OF MEETING AGENDA for tonight.

Approval Motion made by Commissioner Mariani, seconded by Commissioner Priebe, to approve the agenda as presented.

VOTE: Ayes (6); Absent (1) Chair Jeff Muck

MOTION CARRIED

APPROVAL OF THE MEETING MINUTES

Approval Motion made by Commissioner Mariani, seconded by Commissioner Hughes, to approve March 20, 2024, Planning Commission Meeting Minutes as presented.

VOTE: Ayes (6); Absent (1) Chair Jeff Muck

MOTION CARRIED

CALL TO THE PUBLIC- Member Muir opened the at large public hearing.

1. Sarah Bennett asked two questions regarding the Hamburg Townhomes. One was regarding the MDOT approved 4-stop intersection and the other question was about the lift station.

Member Muir closed the public hearing.

OLD BUSINESS

1. **Final Site Plan Application for General Planned Unit Development (PCPUD23-0001).** Project located at 10303 Hamburg Road (Parcel A) and 7620 M-36 (Parcel B). Parcel A will consist of 40 attached two-story multi-family units (38,800 SF) and a community center (1,400 SF). Parcel B will include a gas station building (2-story, 5,475 SF) attached to a mixed-use retail/ residential building (2-story, 2,400 SF), as well as a gas station canopy with 12 stalls and a height of 17'. The retail building will be used as offices for the apartment use.

Commissioner Muir opened the meeting to architect named Hunter who briefly addressed the commissioners. Then Commissioner Muir opened the meeting to David Rohr who briefly went over the highlights of his staff report on this case.

Commissioner Muir then opened the meeting to the commissioners. Commissioner Hamlin read through the ordinance, word by word, to ensure all the commissioners are interpreting the ordinance in the same manner regarding this development. David responded that this reading is a strict interpretation of the zoning ordinance regarding this development. All PUDs are used to negotiate, such as density of the development. Commissioner Leabu asked the architect about the lighting. The architect walked the plans over to the commissioner's table to show them where the lighting was being proposed. Victor said that the lighting plan shows that the lights were going to be 16 feet in height. He said that he does not like anything higher than 14 feet. Victor said with approval, the architect would need to lower the height of the lights on site. David suggested that the PC make a condition that the lighting be reviewed by a few PC members to ensure that it meets expectations. Victor reminded the owner and developer that the lighting should be pointed downward and not sideways. Ronnie clarified that the light for the gas station needs to be higher than semitrucks otherwise they would knock the lights off the poles. Victor said that the lights near the intersection off M-36 should be 12-16 foot high.

Commissioner Priebe clarified that the lift station would be shown on the site plan between the gas station and the community center. David agreed. She then asked if the Phase 2 lighting plan would need to be reviewed by the planning administrator and a PC member. David again agreed. Commissioner Mariani clarified if the retail building at the gas station would no longer be used for the community's office rental office. Ronnie said that had been a mistake. Ronnie said it would be used as a restaurant. It is only going to be a one-story building, but it will be the same height as the original design.

Commissioner Muir asked if anyone would entertain a motion to approve the final site plan.

Approval Motion made by Commissioner Priebe, seconded by Commissioner Leabu, recommend that the Planning Commission recommend approval of the final GPUD site plan, as shown on the project plan (Exhibit A), to the Township Board because the project as conditioned it is consistent with the requirements of the General Planned Unit Development regulations and will be able to meet site plan review standards of the zoning ordinance as discussed at the meeting tonight and presented in the staff report with the following conditioned of approval:

Condition 1:

Prior to the issuance of a land use permit as needed all appropriate approvals from local, county, state, and federal agencies, including, but not limited to, Hamburg Township Fire, Assessor, and Public Works Departments, the Livingston County Road Commission, Drain Commissioner, and Health Department; and the Michigan Department of Environment, Great Lakes and Energy and Transportation shall be received.

Condition 2:

A development agreement including master deeds and bylaws will be submitted for this project. This agreement will be reviewed by the Township Attorney. This agreement shall include a cross access agreement that allows public use of the private roadways, sidewalks, and parks within the project.

Condition 3:

The lift station will be shown on the site plan between the gas station and the community center.

Condition 4:

The Phase 2 lighting plan will be reviewed by the Zoning Administrator and a Planning Commission representative.

Roll Call Vote: Ayes (5); Nays (1); Commissioner Hamlin Absent (1) Chair Muck

MOTION CARRIED

NEW BUSINESS

1. Discussion on amending Section 36-429 (Echo) of the Zoning Ordinance.

Commissioner Muir opened the meeting to David. He explained that this came out of the discussion from an organization that is looking to build a tiny home community, across from Chilson Commons. He stated he wanted to have an information discussion about protentional amending the Echo, or the Cottage, or some combination of the two. We want to provide a different style of housing that is denser. Currently, our ordinance doesn't provide a mechanism to provide projects of this nature to move forward in our community. We might want to form a subcommittee to discuss the how and why, and how to amend the ordinance to accommodate this development, encourage future development without creating unattended consequences. Victor and Hamlin agreed that this would be done as one ordinance for the cottage or Echo development for each district. This amendment would be for everyone, not just this nonprofit organization. We thought about bonuses, and maybe focus on an age population if that is legal. The cottage and Echo developments are similar but have separate, competing districts in our ordinance. We are looking to cut down on the complexity of our zoning ordinance.

Commissioner Priebe clarified that when the committee looks at the density bonus, they might want to stay away from 90% open spaces like they did in the past. Such developments would need sewers, but they could be on wells for water. Commissioner Hamlin said that creating townhomes with shared spaces would be more economically feasible than building tiny homes. They could still be purchased by an owner later. Commissioner Leabu agreed that tiny homes that are under 200 SF are currently a fad. It was agreed that a subcommittee would work on amending this part of the ordinance, and a draft would be sent to the other PC commissioners to ensure they stay in the loop of where the process is.

Commissioner Priebe asked the group if they wanted to review the current 50-foot setback from wetlands as discussed in the ZBA last week. She said that this setback distance was arbitrary. When reviewing how far a neighbor’s setback is from the water regarding your building project is known as form-based zoning which would require a certified survey. Our ordinance does not require a survey for building homes in residential districts, so it is recommended that we do not do this type of variance review.

ADJOURNMENT

Approval motion was made by Commissioner Leabu, seconded by Commissioner Priebe, to adjourn at 8:15 pm.

MOTION CARRIED

Respectfully submitted,

Lisa Perschke

Planning/Zoning Coordinator & Recording Secretary

David Rohr

Planning & Zoning Director

The minutes were approved as presented/corrected: _____

Commissioner Jeff Muck, Chairperson

Hamburg Village Townhomes

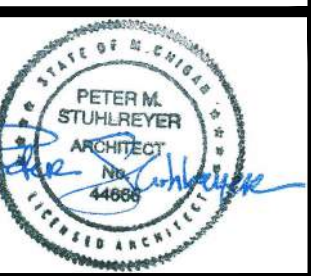
7620 and 10303 Hamburg Rd.

Hamburg Twp., MI

PUD Preliminary Site Plan



3300 AUBURN RD. SUITE 300
AUBURN HILLS, MI 48326
T: 248.601.4422 F: 248.453.5854
WWW.DESIGNHAUS.COM
INFO@DESIGNHAUS.COM



Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Title Sheet and Index

022065

001



PROJECT TEAM

OWNER
RON HAMAMA
3700 TELEGRAPH RD
BLOOMFIELD HILLS, MI 48302
T: 248.207.5066
CONTACT: ronnyhamama@gmail.com

ARCHITECT
DESIGNHAUS ARCHITECTURE
3300 AUBURN
AUBURN HILLS, MI 48326
T: 248.601.4422
F: 248.453.5854
PROJECT MANAGER: JOE LATOZAS
CHIEF LANDSCAPE ARCHITECT: MICHAEL PIZZOLA
PROJECT ARCHITECT: PETER STUHLREYER, A.I.A.

CIVIL
SM ENGINEERING
1939 LINCOLNSHIRE DRIVE
ROCHESTER HILLS, MI 48309
T: 248.635.3553
CONTACT: GREG EZZO

SURVEYOR
KEM TEC
22556 Gratiot Ave, Eastpointe, MI 48021
T: (586) 772-2222
CONTACT: info@kemtecsurvey.com

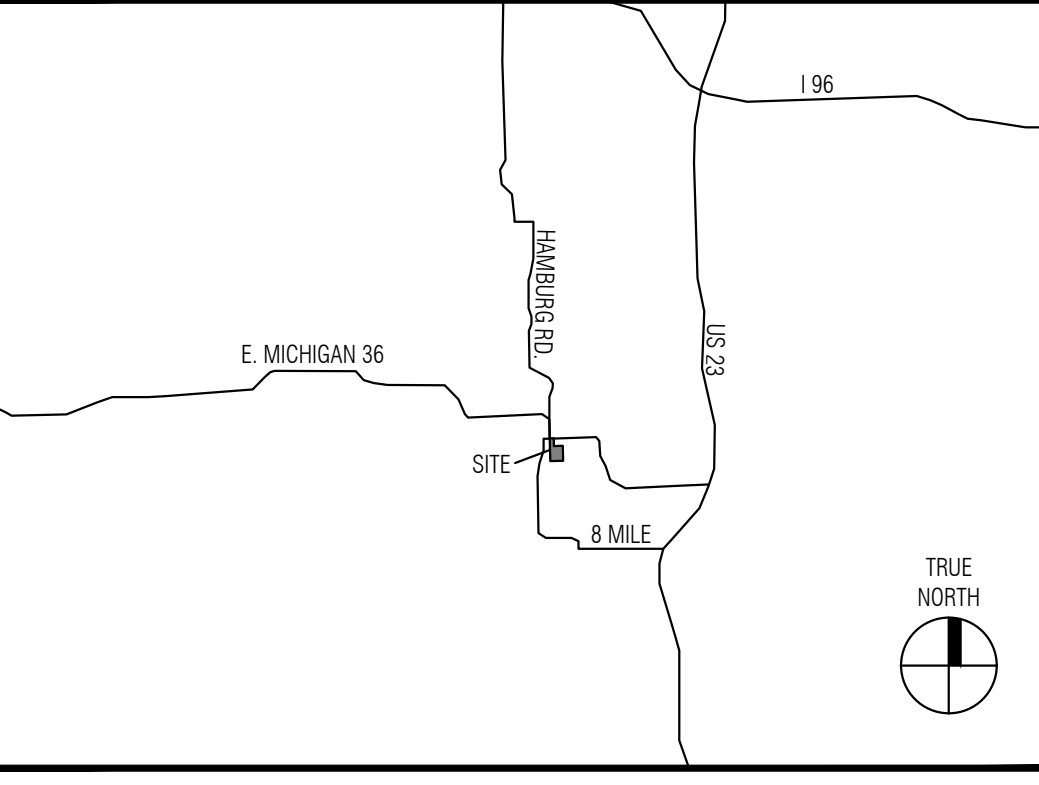
STATEMENT OF SELECTED DESIGN PROFESSIONAL

THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE MICHIGAN CONSTRUCTION CODES IN EFFECT AT THE TIME OF PERMIT SUBMITTAL. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES ISSUED AND APPROVED CODE MODIFICATIONS AND/OR MUNICIPAL CONSTRUCTION BOARDS OF APPEALS RULINGS AND WHENEVER REQUIRED SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS CLEARLY DESCRIBING COMPLIANCE TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.

REGISTERED DESIGN PROFESSIONAL IN CHARGE:
PETER STUHLREYER, A.I.A.
MICHIGAN IDENTIFICATION # 44668
DESIGNHAUS ARCHITECTURE

MICHAEL PIZZOLA, CHIEF LANDSCAPE ARCHITECT
MICHIGAN IDENTIFICATION # 3901001656
DESIGNHAUS ARCHITECTURE

LOCATION MAP



INDEX OF DRAWINGS

REV	REV	REV	REV	SHEET NO:	DRAWING NAME
REV Preliminary PUD 01.19.24	REV Preliminary PUD 11.17.23	PUD Preliminary SP 7.24.23	PUD Preliminary Rev 5.27.22		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GENERAL	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G001	Title Sheet and Index
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G002	Renderings
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CIVIL	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 of 2	Topographic Survey
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 of 2	Topographic Survey
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 of 2	Exhibit Proposed Parcels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 of 2	Exhibit Existing Parcels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C3.0	Site Layout & Paving Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C4.0	Grading Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C5.0	Utility Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LANDSCAPE	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AS1.00	Architectural Site Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AS1.01	Sign Master Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AS1.02	Fire Truck Access Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AS1.03	Photometric Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L100	Tree Removal and Preservation Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L101	Landscape Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ARCHITECTURAL	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A010	First Floor Plan - Service Station
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A011	Second Floor Plan - Service Station
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A012	Building Elevations - Service Station
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A013	Gas Station Plan & Elevations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A100	Building A Community Center Floor Plan
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A101	Building B C D E F & G Floor Plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A103	Building H Floor Plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A104	Building I Floor Plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A105	Building J Floor Plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A106	Typical Overall Plans - Buildings B, C, D, E, F & G
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A107	Typical Unit B Plans - Buildings H & I
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A200	Building A Elevations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A201	Building B C D E F & G Elevations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A203	Building H Elevations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A204	Building I Elevations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A205	Building J Elevations



4 North View From E-Michigan 36 (Main Entrance) No Scale



3 East Entrance View From Campbell Ct. No Scale



2 Community Center View No Scale



1 Townhomes View No scale

DESIGNHAUS EST 1998
ARCHITECTURE

3300 AUBURN RD. SUITE 300
 AUBURN HILLS, MI 48326
 T:248.601.4422 F:248.453.8654
 WWW.DESIGNHAUS.COM
 INFO@DESIGNHAUS.COM

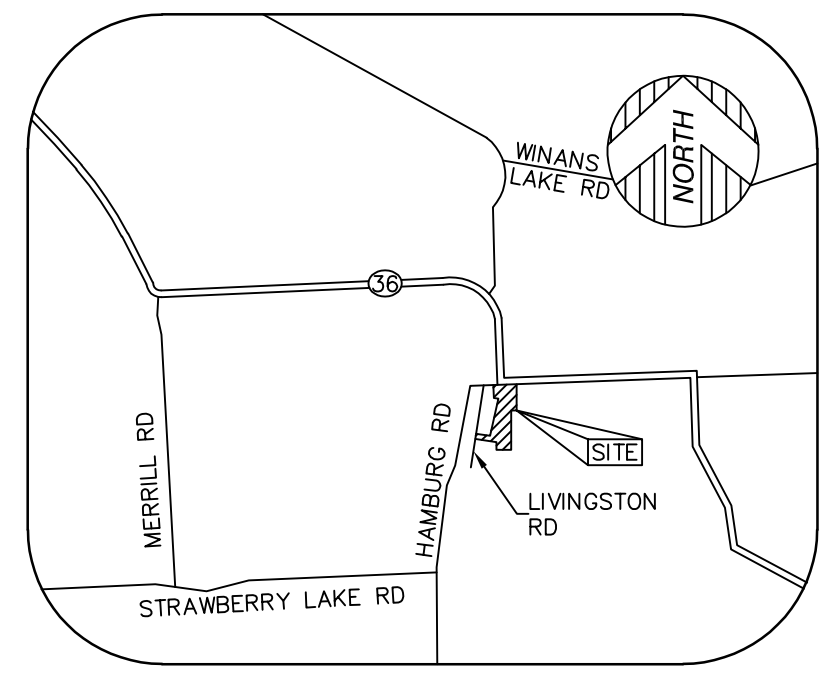


Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
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PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
 7620 and 10303 Hamburg Rd.
 Hamburg Twp., MI

Renderings

022065
GOO2



VICINITY MAP
(NOT TO SCALE)

PARCEL AREA

PARCEL 1
76,199± SQUARE FEET = 1.749± ACRES
PARCEL 2
134,971± SQUARE FEET = 3.098± ACRES

BENCHMARK

SITE BENCHMARK #1
MAG NAIL IN WEST SIDE OF UTILITY POLE AT NE CORNER OF GAS STATION PARKING LOT.
ELEVATION = 924.31' (NAVD 88)
SITE BENCHMARK #2
TOP OF FOUNDATION ANCHOR BOLT, SE SIDE OF TRAFFIC SIGNAL STRAIN POLE, AT SOUTH SIDE OF M-36.
ELEVATION = 922.30' (NAVD 88)
SITE BENCHMARK #3
MAG NAIL IN EAST FACE OF UTILITY POLE AT SW CORNER OF GAS STATION.
ELEVATION = 922.19' (NAVD 88)
SITE BENCHMARK #4
MAG NAIL IN WEST FACE OF UTILITY POLE AT SE CORNER OF GAS STATION.
ELEVATION = 922.46' (NAVD 88)

PROPERTY DESCRIPTION

THE LAND SITUATED IN THE TOWNSHIP OF HAMBURG, COUNTY OF LIVINGSTON, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

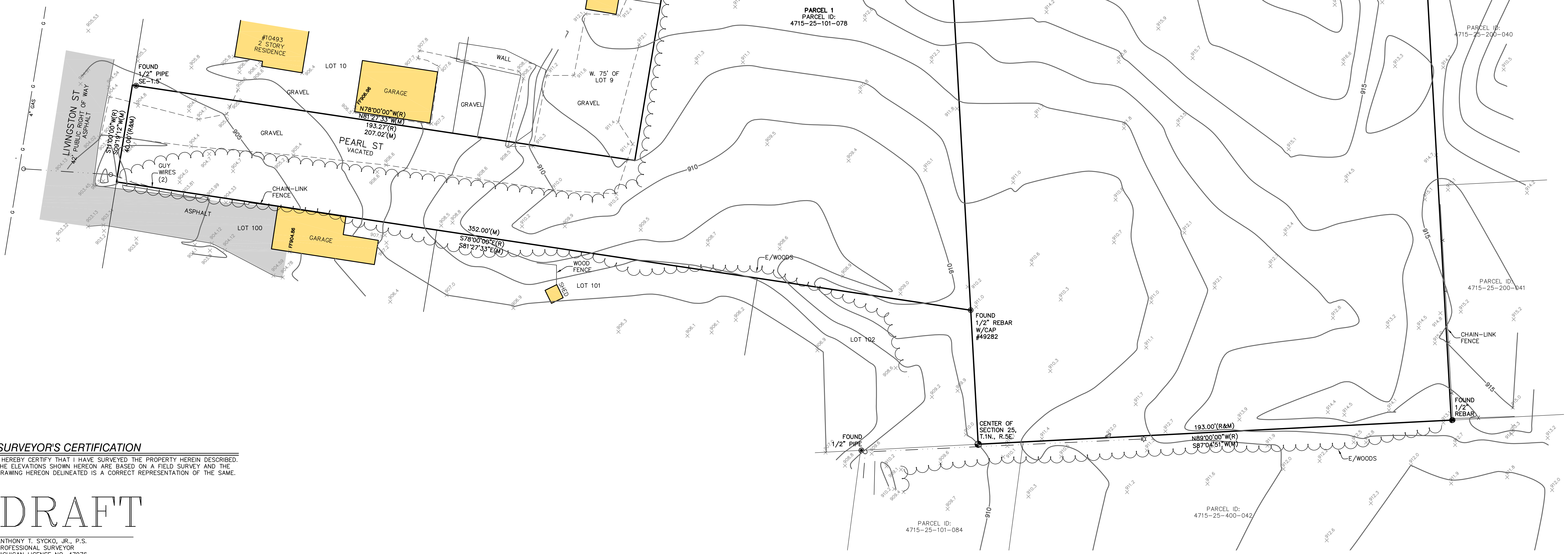
PARCEL 1
SEC 25 T1N R5E HAMBURG VILLAGE BEG AT PT WHICH SLY LINE HAMBURG RD INTERSECTS NS 1/4 SEC LINE TH WLY ALG SLY LINE SD RD 61.85 FT TH S 160.1 FT TH S10°W 460.1 FT TO NLY LINE PEARL ST TH N78°W ALG SD NLY LINE 193.27 FT TH S11°W TO SLY LINE PEARL ST 40 FT TH S78°E ALG SD SLY LINE TO NS 1/4 LINE TH NLY TO POB ALSO BEG AT PT WHICH N/S 1/4 LINE INTERSECTS SLY LINE HAMBURG RD TH ELY ALG SD SLY LINE 44 FT TH SLY ON LINE PARALLEL WITH SD N/S 1/4 LINE 280.5 FT TH WLY 44 FT ON LINE PARALLEL WITH SLY LINE HAMBURG RD TO SD NS 1/4 LINE TH NLY ALG SD LINE TO POB

PARCEL 2
SEC 25 T1N R5E COM N 1/4 COR TH S 1869.11 FT ALG NS 1/4 LINE TH S88°E 44.01 FT ALG CL W 36 FOR POB TH S88°E 154 FT TH S 203.09 FT TH N88°W 5 FT TH S 532.12 FT TH N89°W 193 FT ALG EW 1/4 LINE TO CTR TH N 459.3 FT ALG N/S 1/4 LINE TH S88°E 44 FT TH N 307.12 FT TO POB

SURVEYOR'S NOTES

- 1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.
- 2. A CURRENT TITLE POLICY HAS NOT BEEN FURNISHED AT TIME OF SURVEY, THEREFORE EASEMENTS AND/OR ENCUMBRANCES AFFECTING SUBJECT PARCEL MAY NOT BE SHOWN.

MATCH SHEET 2 OF 2



SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY THAT I HAVE SURVEYED THE PROPERTY HEREIN DESCRIBED. THE ELEVATIONS SHOWN HEREON ARE BASED ON A FIELD SURVEY AND THE DRAWING HEREON DELINEATED IS A CORRECT REPRESENTATION OF THE SAME.

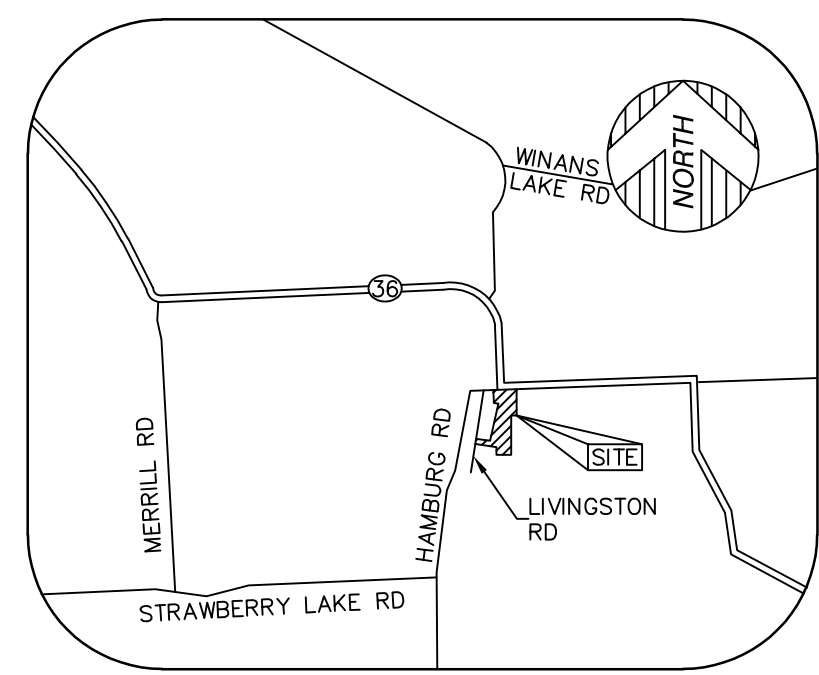
DRAFT

ANTHONY T. SYCKO, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
TSycko@kemtec-survey.com

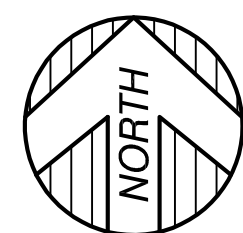
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BOUNDARY/TOPOGRAPHIC SURVEY
PREPARED FOR: RON HAMAMA
7620 E. M-36 & 10303 HAMBURG RD, HAMBURG TWP., MICHIGAN,
PART OF SECTION 25,
TOWN 1 NORTH, RANGE 5 EAST

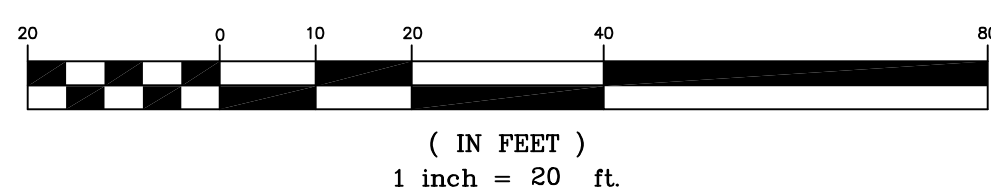
DATE	BY	REVISION	DESCRIPTION
06/17/21	MRJ	1	ADDED STORM & SANITARY STRUCTURES
06/17/21	ATS		
JUNE 17, 2021	JDM		
11/23/21	JDM		



VICINITY MAP (NOT TO SCALE)

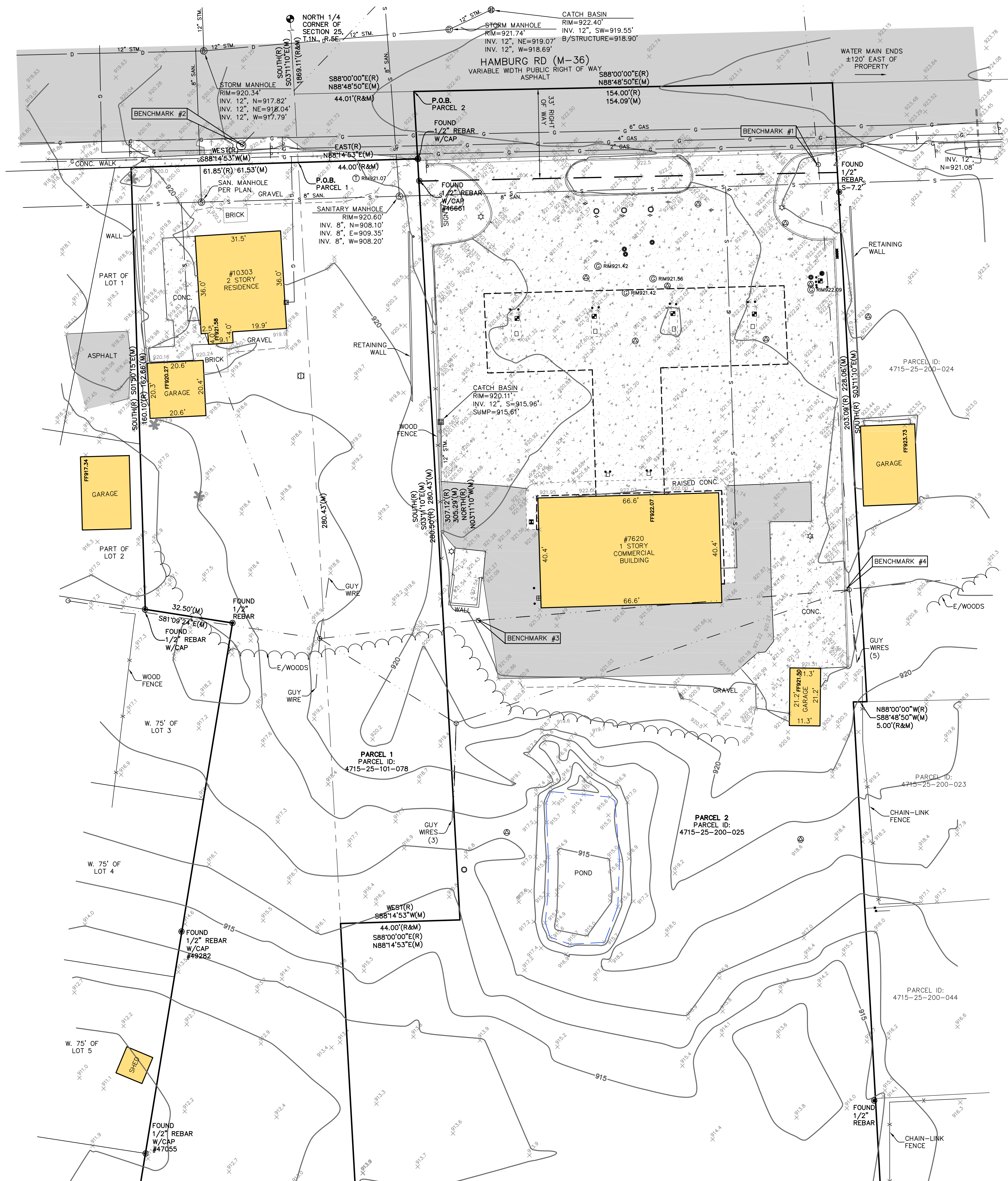


GRAPHIC SCALE



LEGEND

- FOUND MONUMENT (AS NOTED)
- ⊙ FOUND SECTION CORNER (AS NOTED)
- (R&M) RECORD AND MEASURED DIMENSION
- (R) RECORD DIMENSION
- (M) MEASURED DIMENSION
- GROUND ELEVATION
- AIR/VACUUM
- UTILITY POLE
- ⊙ GAS MANHOLE
- ⊙ GAS METER
- ⊙ VAPOR COVER
- ⊙ TELEPHONE MANHOLE
- ⊙ SQUARE CATCH BASIN
- ⊙ STORM DRAIN MANHOLE
- ⊙ SANITARY MANHOLE
- ⊙ WATER METER
- ⊙ GAS PUMP
- ⊙ WELL
- ⊙ GAS GAUGE
- ⊙ MONITOR WELL
- ⊙ BOLLARD
- ⊙ FLAGPOLE
- ⊙ FENCE POST
- ⊙ GAS FILL
- ⊙ LIGHTPOST/LAMP POST
- ⊙ SINGLE POST SIGN
- ⊙ DOUBLE POST SIGN
- ⊙ CONIFEROUS TREE (AS NOTED)
- PARCEL BOUNDARY LINE
- PLATTED LOT LINE
- ADJOINER PARCEL LINE
- SECTION LINE
- RIGHT-OF-WAY
- BUILDING
- BUILDING OVERHANG
- CONCRETE CURB
- RAISED CONCRETE
- EDGE OF CONCRETE (CONC.)
- EDGE OF ASPHALT (ASPH.)
- EDGE OF BRICK
- EDGE OF GRAVEL
- FENCE (AS NOTED)
- WALL (AS NOTED)
- TREE / BRUSH LINE (AS NOTED)
- OVERHEAD UTILITY LINE
- GAS LINE
- SANITARY LINE
- STORM LINE
- WATER LINE
- UNDERGROUND PIPE (AS NOTED)
- EDGE OF WATER (AS NOTED)
- MINOR CONTOUR LINE
- MAJOR CONTOUR LINE
- BUILDING AREA
- ASPHALT
- CONCRETE



MATCH SHEET 1 OF 2

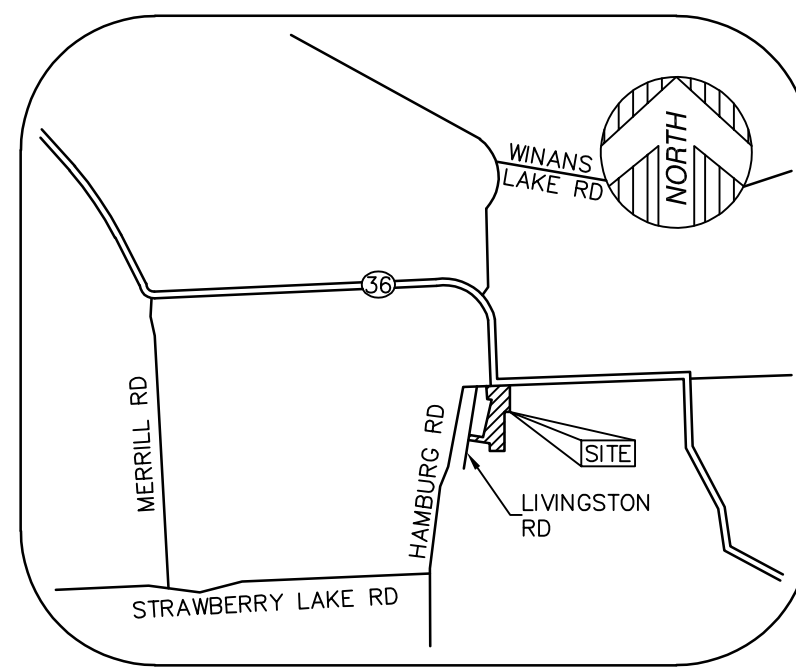
BOUNDARY/TOPOGRAPHIC SURVEY

PREPARED FOR: RON HAMAMA
7620 E. M-36 & 10303 HAMBURG RD., HAMBURG TWP., MICHIGAN,
PART OF SECTION 25,
TOWN 1 NORTH, RANGE 5 EAST

DATE	BY	REVISION	DESCRIPTION
11/23/21	JDM	1	ADDED STORM & SANITARY STRUCTURES

MRJ	06/17/21	SCALE: 1" = 20'
ATS	06/17/21	
JUNE 17, 2021		
21-01997		

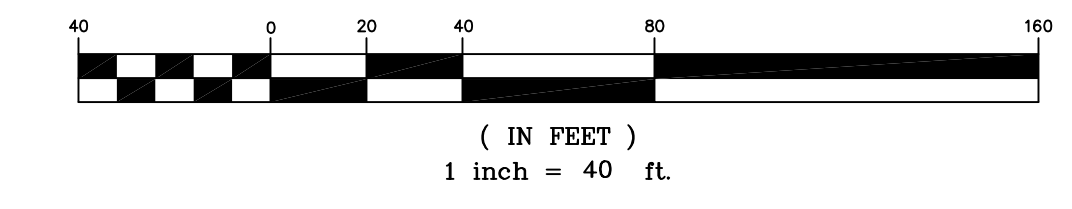
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VICINITY MAP
(NOT TO SCALE)



GRAPHIC SCALE



PROPERTY DESCRIPTION

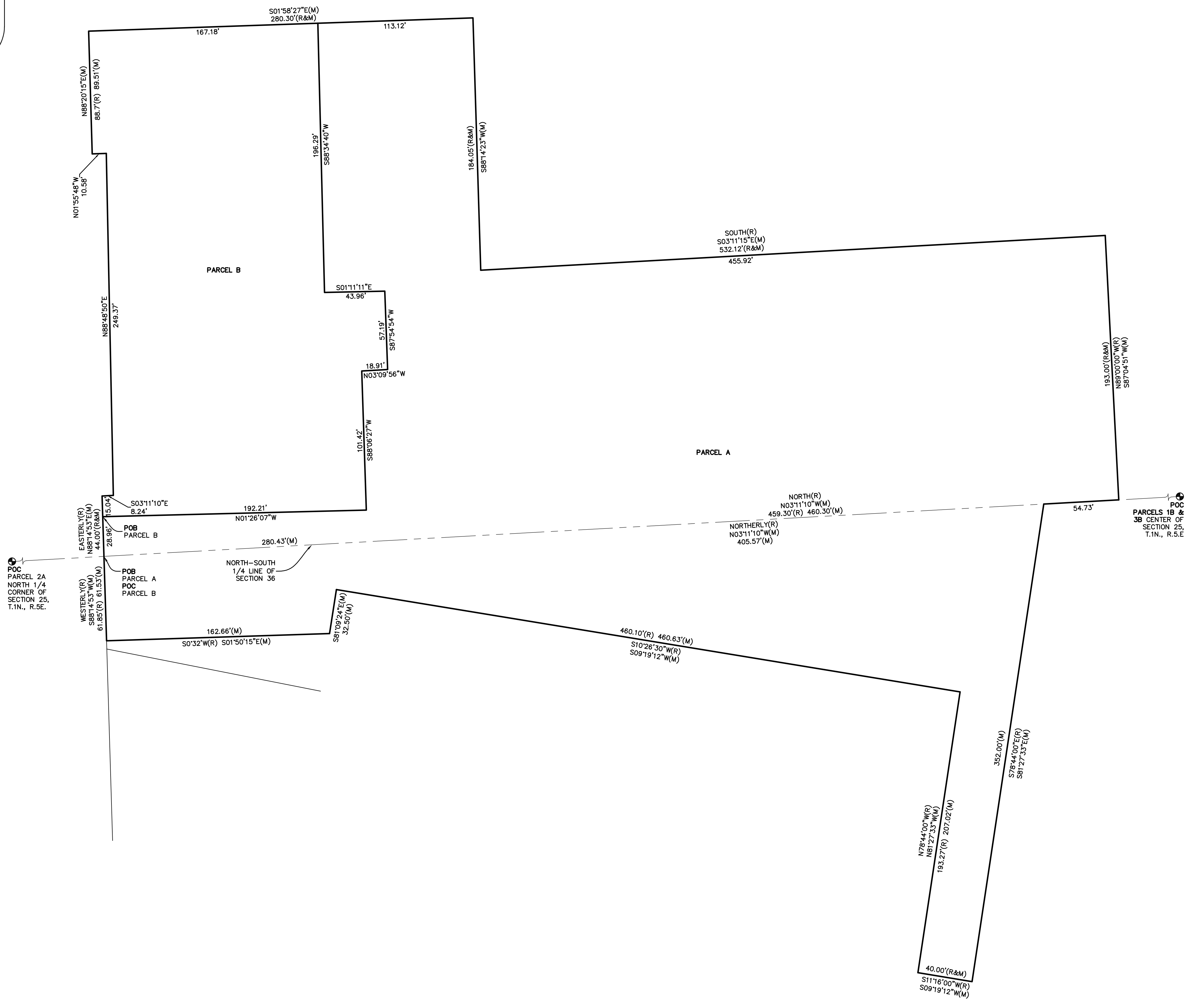
LAND SITUATED IN THE TOWNSHIP OF HAMBURG, COUNTY OF LIVINGSTON, STATE OF MICHIGAN, DESCRIBED AS:

PROPOSED PARCEL A:

PART OF LOTS 1 THROUGH 9 ALL OF LOTS 103 THROUGH 107 AND PART OF PLATTED PEARL STREET AND SHORT STREET AS SHOWN ON THE MAP OF THE VILLAGE OF HAMBURG, AS RECORDED IN LIBER 1 OF DEEDS, PAGE 349, LIVINGSTON COUNTY RECORDS; AND PART OF THE NORTHEAST 1/4 OF SECTION 25, T. 1 N., R. 5 E., ALL DESCRIBED AS: BEGINNING AT THE INTERSECTION OF THE SOUTHERLY LINE OF HAMBURG ROAD WITH THE NORTH AND SOUTH 1/4 SECTION LINE OF SECTION 25, SAID POINT BEING DISTANT SOUTH 03 DEGREES 11 MINUTES 10 SECONDS EAST, 1894.33 FEET, AS MEASURED ALONG SAID NORTH AND SOUTH 1/4 LINE FROM THE NORTH 1/4 CORNER OF SAID SECTION; PROCEEDING THENCE FROM SAID POINT OF BEGINNING NORTH 88 DEGREES 14 MINUTES 53 SECONDS EAST, 1894.33 FEET, AS MEASURED ALONG SAID NORTH AND SOUTH 1/4 LINE FROM THE NORTH 1/4 CORNER OF SAID SECTION; THENCE SOUTH 01 DEGREE 26 MINUTES 07 SECONDS EAST 192.21 FEET; THENCE NORTH 88 DEGREES 06 MINUTES 27 SECONDS EAST 101.42 FEET; THENCE SOUTH 03 DEGREES 09 MINUTES 56 SECONDS EAST 18.91 FEET; THENCE NORTH 87 DEGREES 54 MINUTES 54 SECONDS EAST 57.19 FEET; THENCE NORTH 01 DEGREE 11 MINUTES 11 SECONDS WEST 43.96 FEET; THENCE NORTH 88 DEGREES 34 MINUTES 40 SECONDS EAST 196.29 FEET; THENCE SOUTH 01 DEGREE 58 MINUTES 27 SECONDS EAST 113.12 FEET; THENCE SOUTH 03 DEGREES 11 MINUTES 15 SECONDS EAST 455.92 FEET; THENCE SOUTH 87 DEGREES 04 MINUTES 51 SECONDS WEST, 193.00 FEET TO THE CENTER OF SAID SECTION 25; THENCE NORTH 03 DEGREES 11 MINUTES 10 SECONDS WEST, ALONG SAID NORTH/SOUTH 1/4 LINE OF SECTION 25, 54.73 FEET; THENCE NORTH 81 DEGREES 27 MINUTES 33 SECONDS WEST, ALONG THE SOUTHERLY LINE OF PEARL STREET (40 FEET WIDE), 352.00 FEET; THENCE NORTH 09 DEGREES 19 MINUTES 12 SECONDS EAST 40.00 FEET; THENCE SOUTH 81 DEGREES 27 MINUTES 33 SECONDS EAST, ALONG THE NORTHERLY LINE OF SAID PEARL STREET, 207.02 FEET; THENCE NORTH 09 DEGREES 19 MINUTES 12 SECONDS EAST 460.63 FEET; THENCE NORTH 81 DEGREES 09 MINUTES 24 SECONDS WEST 32.50 FEET; THENCE NORTH 01 DEGREE 50 MINUTES 15 SECONDS WEST 162.66 FEET; THENCE NORTH 88 DEGREES 14 MINUTES 53 SECONDS EAST, ALONG THE SOUTHERLY LINE OF SAID HAMBURG ROAD, 61.53 FEET TO THE POINT OF BEGINNING, CONTAINING 4.47 ACRES, MORE OR LESS, OF LAND IN AREA.

PROPOSED PARCEL B:

PART OF THE NORTHEAST 1/4 OF SECTION 25, T. 1 N., R. 5 E., DESCRIBED AS: COMMENCING AT THE INTERSECTION OF THE SOUTHERLY LINE OF HAMBURG ROAD WITH THE NORTH AND SOUTH 1/4 SECTION LINE OF SECTION 25, SAID POINT BEING DISTANT SOUTH 03 DEGREES 11 MINUTES 10 SECONDS EAST, 1894.33 FEET, AS MEASURED ALONG SAID NORTH/SOUTH 1/4 LINE FROM THE NORTH 1/4 CORNER OF SAID SECTION; THENCE NORTH 88 DEGREES 14 MINUTES 53 SECONDS EAST, ALONG THE SOUTHERLY LINE OF SAID HAMBURG ROAD, 28.96 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN BEING DESCRIBED; PROCEEDING THENCE FROM SAID POINT OF BEGINNING NORTH 88 DEGREES 14 MINUTES 53 SECONDS EAST, ALONG THE SOUTHERLY LINE OF SAID HAMBURG ROAD, 15.04 FEET; THENCE SOUTH 03 DEGREES 11 MINUTES 10 SECONDS WEST 8.23 FEET; THENCE NORTH 88 DEGREES 48 MINUTES 50 SECONDS EAST, 249.37 FEET; THENCE NORTH 01 DEGREE 55 MINUTES 48 SECONDS WEST 10.30 FEET; THENCE NORTH 88 DEGREES 20 MINUTES 15 SECONDS EAST 89.51 FEET; THENCE SOUTH 01 DEGREE 50 MINUTES 27 SECONDS EAST 167.18 FEET; THENCE SOUTH 88 DEGREES 34 MINUTES 40 SECONDS WEST 196.29 FEET; THENCE SOUTH 01 DEGREE 11 MINUTES 11 SECONDS EAST 43.96 FEET; THENCE SOUTH 87 DEGREES 54 MINUTES 54 SECONDS WEST 57.19 FEET; THENCE NORTH 03 DEGREES 09 MINUTES 56 SECONDS WEST 18.91 FEET; THENCE SOUTH 88 DEGREES 06 MINUTES 27 SECONDS WEST 101.42 FEET; THENCE NORTH 01 DEGREE 26 MINUTES 07 SECONDS WEST 192.21 FEET TO THE POINT OF BEGINNING, CONTAINING 1.42 ACRES, MORE OR LESS, OF LAND IN AREA.



POC
PARCEL 2A
NORTH 1/4
CORNER OF
SECTION 25,
T.1N., R.5E.

POC
PARCELS 18 &
38
CENTER OF
SECTION 25,
T.1N., R.5E.

EXHIBIT PROPOSED PARCELS

PREPARED FOR: RON HAMAMA
7620 E. M-36 & 10303 HAMBURG RD, HAMBURG TWP., MICHIGAN,
PART OF SECTION 25,
TOWN 1 NORTH, RANGE 5 EAST

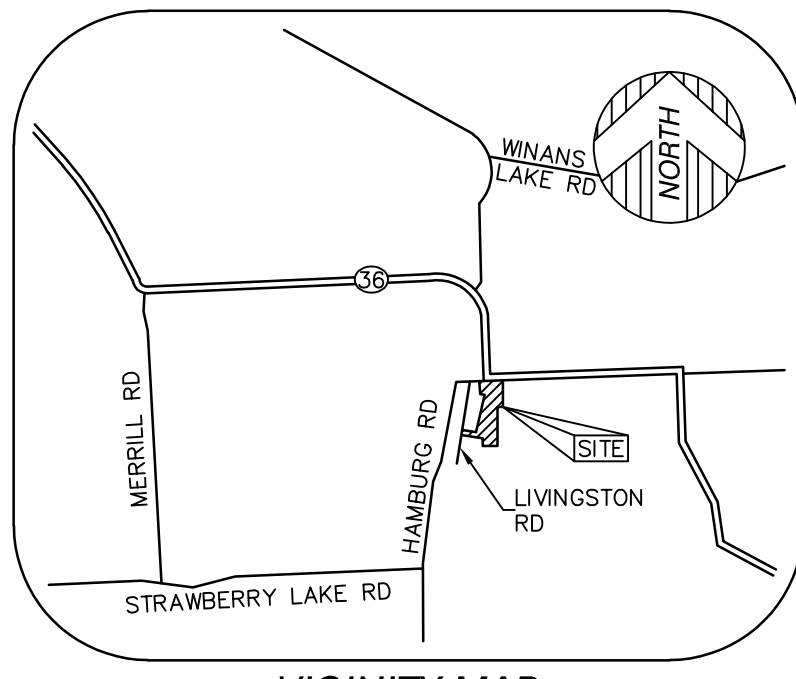
DATE	REVISION	BY	DESCRIPTION
08/18/23		JDM	
08/18/23		ATS	
AUGUST 18, 2023			
21-01997			

SCALE: 1" = 40'

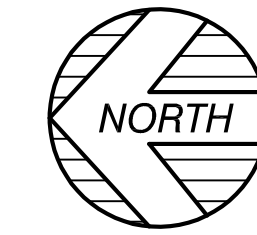
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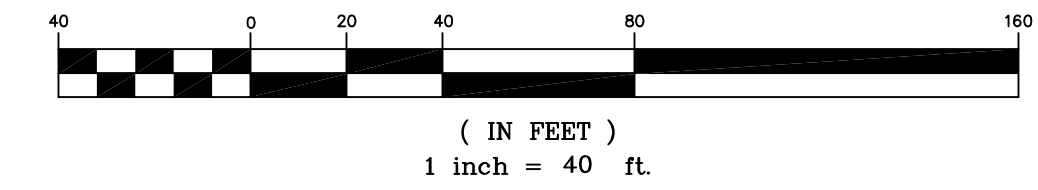
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VICINITY MAP
(NOT TO SCALE)



GRAPHIC SCALE



PROPERTY DESCRIPTION

THE LAND IS LOCATED IN THE TOWNSHIP OF HAMBURG, COUNTY OF LIVINGSTON, STATE OF MICHIGAN, AND DESCRIBED AS FOLLOWS:

4715-25-200-023:
A PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 25, TOWN 1 NORTH, RANGE 5 EAST, MICHIGAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE CENTER OF SAID SECTION 25; THENCE EAST 193 FEET ALONG THE EAST AND WEST 1/4 LINE; THENCE NORTH 0 DEGREES 06' EAST 456 FEET FOR A POINT OF BEGINNING OF THE LAND TO BE DESCRIBED; RUNNING THENCE NORTH 0 DEGREES 06' EAST 70 FEET; THENCE NORTH 89 DEGREES 33' EAST 96 FEET; THENCE NORTH 0 DEGREES 06' EAST 210 FEET; THENCE NORTH 89 DEGREES 33' EAST 88.7 FEET; THENCE SOUTH 0 DEGREES 17' WEST 280.3 FEET; THENCE SOUTH 89 DEGREES 39' WEST 184.05 FEET TO THE POINT OF BEGINNING.

4715-25-200-024
COMMENCING AT A POINT 772 FEET NORTH OF THE CENTER OF SECTION 25 AND 198 FEET EAST, THE SAME BEING IN THE CENTER OF THE EAST AND WEST HIGHWAY; THENCE EAST 96 FEET; THENCE SOUTH 227 FEET; THENCE WEST 96 FEET; THENCE NORTH 227 FEET TO THE PLACE OF BEGINNING, THE SAME BEING ON THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 25, TOWN 1 NORTH, RANGE 7 EAST.

4715-25-101-078:
PART OF LOTS 1 THROUGH 9 ALL OF LOTS 103 THROUGH 107 AND PART OF PLATTED PEARL STREET AND SHORT STREET AS SHOWN ON THE MAP OF THE VILLAGE OF HAMBURG, AS RECORDED IN LIBER 1 OF DEEDS, PAGE 349, LIVINGSTON COUNTY RECORDS, DESCRIBED AS: BEGINNING AT A POINT WHERE THE SOUTHERLY LINE OF HAMBURG ROAD INTERSECTS THE NORTH AND SOUTH 1/4 SECTION LINE OF SECTION 25; THENCE WESTERLY ALONG THE SOUTHERLY LINE OF SAID ROAD, 61.85 FEET TO A POINT IN THE SOUTHERLY LINE OF SAID ROAD; THENCE SOUTH 0 DEGREES 32' WEST 160.10 FEET; THENCE SOUTH 10 DEGREES 26'30" WEST, 460.1 FEET TO NORTHERLY LINE OF PEARL STREET; THENCE NORTH 78 DEGREES 44' WEST ALONG THE NORTHERLY LINE OF PEARL STREET 193.27 FEET; THENCE SOUTH 11 DEGREES 16' WEST TO SOUTHERLY LINE OF PEARL STREET, 40 FEET; THENCE SOUTH 78 DEGREES 44' EAST ALONG THE SOUTHERLY LINE OF PEARL STREET TO SAID NORTH AND SOUTH 1/4 SECTION LINE; THENCE NORTHERLY ON SAID 1/4 LINE TO PLACE OF BEGINNING.

ALSO PART OF THE NORTHEAST 1/4 OF SECTION 25, TOWN 1 NORTH, RANGE 5 EAST, HAMBURG TOWNSHIP, LIVINGSTON COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING AT A POINT WHERE THE SOUTHERLY LINE OF HAMBURG ROAD INTERSECTS THE NORTH AND SOUTH 1/4 SECTION LINE OF SECTION 25; THENCE EASTERLY ON THE SOUTH LINE OF SAID ROAD, 44 FEET; THENCE SOUTHERLY ON A LINE PARALLEL WITH SAID NORTH AND SOUTH 1/4 SECTION LINE, 280.5 FEET; THENCE WESTERLY 44 FEET ON A LINE PARALLEL WITH THE SOUTH LINE OF SAID HAMBURG ROAD TO SAID NORTH AND SOUTH 1/4 SECTION LINE; THENCE NORTHERLY ALONG SAID 1/4 SECTION LINE TO THE PLACE OF BEGINNING.

4715-25-200-025
SEC 25 T1N R5E COM N 1/4 COR TH S 1869.11 FT ALG NS 1/4 LINE TH S88°E 44.01 FT ALG CL M 36 FOR POB TH S88°E 154 FT TH S 203.09 FT TH N89°W 5 FT TH S 532.12 FT TH N89°W 193 FT ALG EW 1/4 LINE TO CTR TH N 459.3 FT ALG N/S 1/4 LINE TH S88°E 44 FT TH N 307.12 FT TO POB.

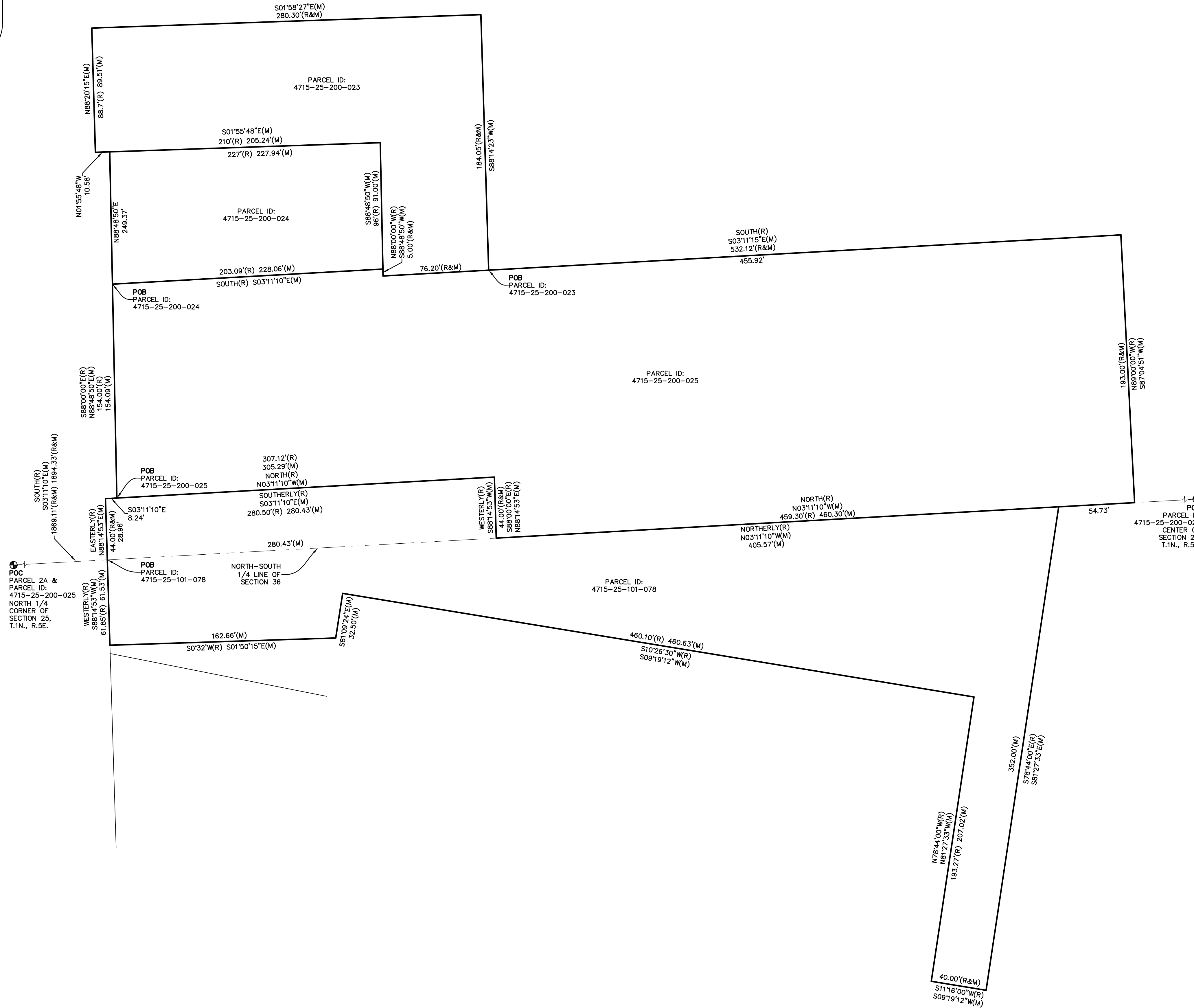


EXHIBIT EXISTING PARCELS

PREPARED FOR: RON HAMAMA
7620 E. M-36 & 10303 HAMBURG RD, HAMBURG TWP., MICHIGAN,
PART OF SECTION 25,
TOWN 1 NORTH, RANGE 5 EAST

NO.	DATE	BY	REVISION	DESCRIPTION

DRAWN BY: JDM	DATE: 08/18/23
CHECKED BY: ATS	DATE: 08/18/23
DATE: AUGUST 18, 2023	SCALE: 1" = 40'
PROJECT NO: 21-01997	

NO.	DATE	DESCRIPTION
1	3.11.2024	FINAL P.L.D.
2	3.08.2024	ENGINEER SUBMISSION
3	12.04.2023	PRELIMINARY SPA REVIEW
4	11.10.2023	PRELIMINARY SPA REVIEW
5	06.20.2023	PRELIMINARY SPA REVIEW
6	10.21.2022	PRELIMINARY SPA REVIEW

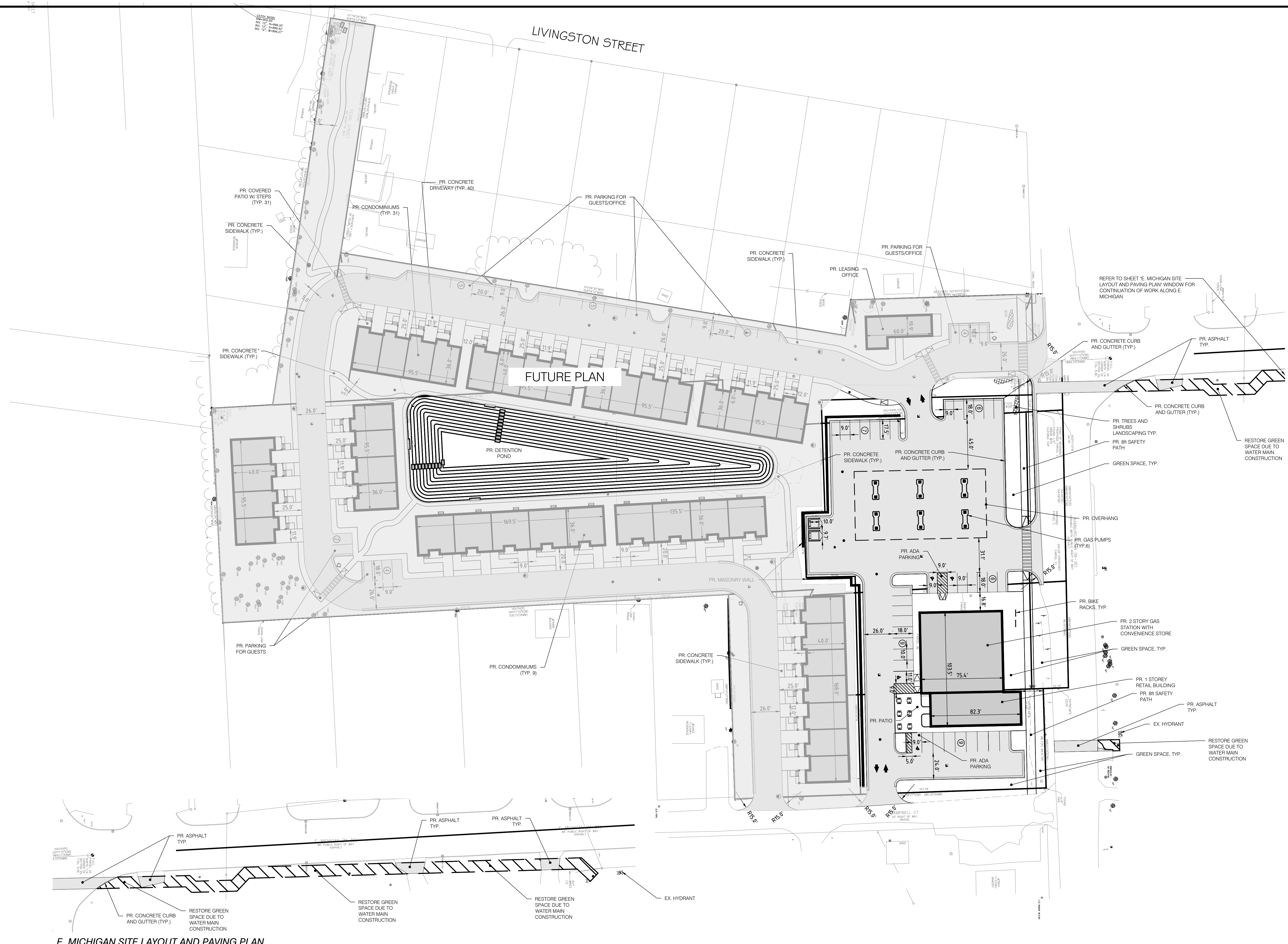
NO.	DATE	REVISION	BY
7	03/17/2024		
8			
9			

SITE LEGEND

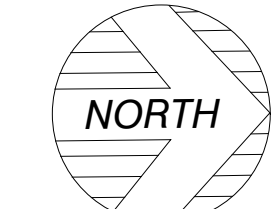
- PROPERTY LINE
- PROPOSED CONCRETE CURB AND GUTTER
- PROPOSED BUILDING
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GREEN SPACE RESTORATION
- PROPOSED CATCH BASIN STRUCTURE
- PROPOSED MANHOLE STRUCTURE / WATER QUALITY UNIT

- SITE NOTES**
- ALL LIGHTING SHALL BE SHIELDED AND DIRECTED DOWNWARD AND AWAY FROM ADJACENT PROPERTIES. LIGHTING SHALL MEET REQUIREMENTS OF THE LOCAL ZONING ORDINANCE. SEE LIGHTING PLAN FOR ADDITIONAL INFORMATION.
 - GROUND MOUNTED TRANSFORMERS AND ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED AS REQUIRED IN THE LOCAL ZONING ORDINANCE.
 - ALL SIGNS TO MEET REQUIREMENTS OF CITY CODE OF ORDINANCES AND BE APPROVED BY BUILDING DEPARTMENT
 - PARKING SPACES SHALL BE STRIPPED PER LOCAL ZONING ORDINANCE
 - GAS STATION - PHASE 1
RESIDENTIAL DEVELOPMENT - PHASE 2

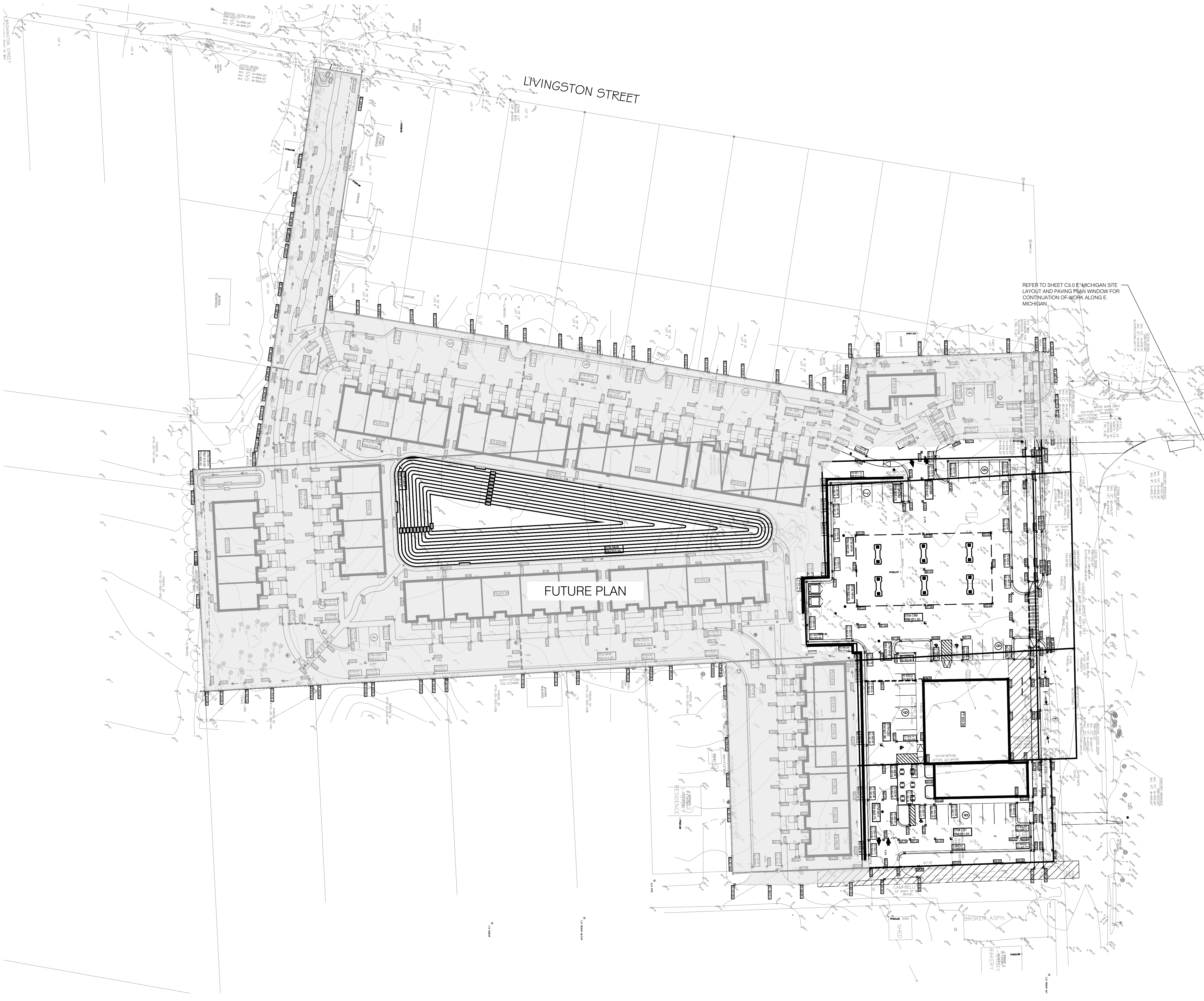
THE LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE BASED ON RECORDS PROVIDED BY THE UTILITY OWNERS AND VISIBLE EVIDENCE OBTAINED IN THE FIELD. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED TO THE COMPLETENESS OR ACCURACY THEREOF.



E. MICHIGAN SITE LAYOUT AND PAVING PLAN



C3.0 Site Layout & Paving Planning 3/17/2024



GRADING LEGEND

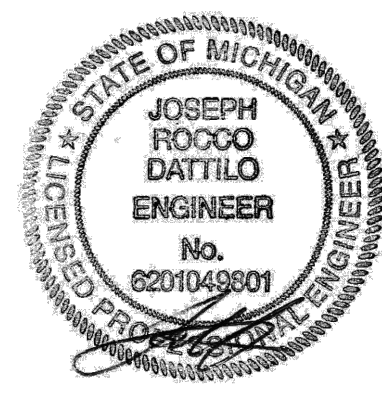
- × 900.00 EXISTING GRADES
- × 100.00 PROPOSED GRADES
- PROPERTY LINE
- - - PROPOSED RIDGE LINE

GRADING NOTES

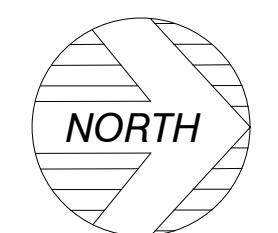
1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF HAMBURG TOWNSHIP AND LIVINGSTON COUNTY.
2. IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
3. ON-SITE FILL CAN BE USED IF THE SPECIFIED COMPACTION REQUIREMENTS CAN BE ACHIEVED. IF ON-SITE SOIL IS USED, IT SHOULD BE CLEAN AND FREE OF FROZEN SOIL, ORGANICS, OR OTHER DELETERIOUS MATERIALS.
4. THE FINAL SUBGRADE/EXISTING AGGREGATE BASE SHOULD BE THOROUGHLY PROOF ROLLED USING A FULLY LOADED TANDEM AXLE TRUCK OR FRONT END LOADER UNDER THE OBSERVATION OF A GEOTECHNICAL/ PAVEMENT ENGINEER. LOOSE OR YIELDING AREAS THAT CANNOT BE MECHANICALLY STABILIZED SHOULD BE REINFORCED USING GEOGRIDS OR REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.
5. SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED TO REPLACE MATERIALS SUSCEPTIBLE TO FROST HEAVING AND UNSTABLE SOIL CONDITIONS. ANY EXCAVATIONS THAT MAY BE REQUIRED BELOW THE TOPSOIL IN FILL SECTIONS OR BELOW SUBGRADE IN CUT SECTIONS, WILL BE CLASSIFIED AS SUBGRADE UNDERCUTTING.
6. SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED WHERE NECESSARY AND THE EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ANY SUBGRADE UNDERCUTTING SHALL BE BACKFILLED WITH SAND OR OTHER SIMILAR APPROVED MATERIAL. BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM UNIT WEIGHT (PER ASTM D-1557) UNLESS OTHERWISE SPECIFIED.
7. BACKFILL UNDER PAVED AREAS SHALL BE AS SPECIFIED ON DETAILS.
8. ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY SHALL BE CONSIDERED INCIDENTAL TO THE JOB.
9. FINAL PAVEMENT ELEVATIONS SHOULD BE SO DESIGNED TO PROVIDE POSITIVE SURFACE DRAINAGE. A MINIMUM SURFACE SLOPE OF 1.0 PERCENT IS RECOMMENDED.
10. CONSTRUCTION TRAFFIC SHOULD BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE INITIAL LIFT THICKNESS COULD BE INCREASED AND PLACEMENT OF THE FINAL LIFT COULD BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM.
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH HAMBURG TOWNSHIP AND LIVINGSTON COUNTY SPECIFICATIONS.
12. SPOT ELEVATIONS INDICATE TOP OF PAVEMENT UNLESS OTHERWISE INDICATED:
TC = TOP OF CURB
BC = BOTTOM OF CURB
13. REFER TO LANDSCAPE PLAN FOR LANDSCAPE TREATMENT AND PLACEMENT.

REFER TO SHEET C3.0 E MICHIGAN SITE LAYOUT AND PAVING PLAN WINDOW FOR CONTINUATION OF WORK ALONG E. MICHIGAN.

THE LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE BASED ON RECORDS PROVIDED BY THE UTILITY OWNERS AND VISIBLE EVIDENCE OBTAINED IN THE FIELD. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED TO THE COMPLETENESS OR ACCURACY THEREOF.



GRADING PLAN
SCALE: 1" = 40'



GRADING PLAN

PREPARED FOR: RONNY HAMANA
7620 AND 10303 HAMBURG ROAD

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(734) 994-0388
(800) 694-0001
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NO.	DATE	BY	DESCRIPTION
9	3.11.2024	WK	FINAL P.L.D.
8	3.08.2024	WK	ENGINEER SUBMISSION
7	12.04.2023	GAE	PRELIMINARY SPA REVIEW
6	11.10.2023	GAE	PRELIMINARY SPA REVIEW
5	06.20.2023	GAE	PRELIMINARY SPA REVIEW
4	10.21.2022	GAE	PRELIMINARY SPA REVIEW

DRAWN BY:	SJA ENGINEERS	DATE:	05/17/2024
CHECKED BY:		SCALE:	1" = 40'
DATE:	MARCH 11, 2024	PROJECT NO.:	2107

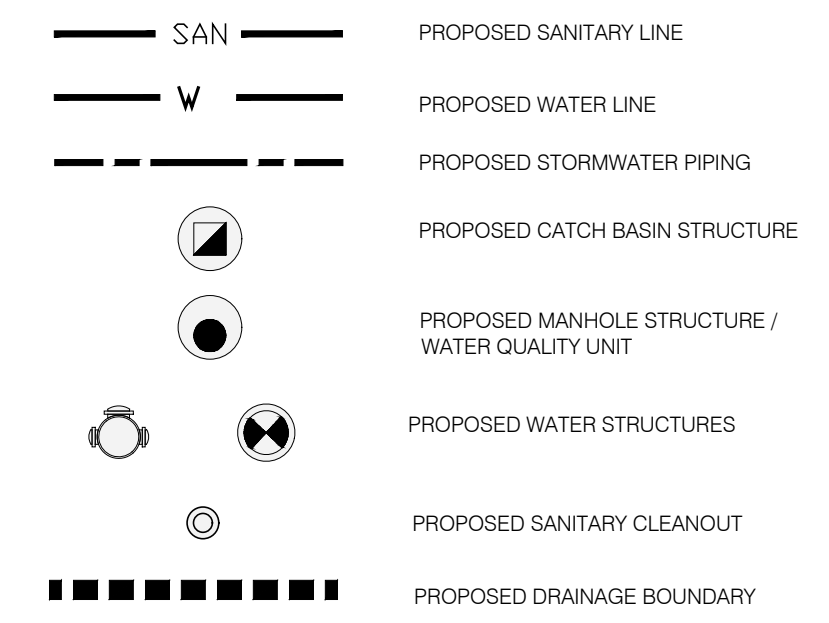
C4.0

Revision table with columns: NO., DATE, BY, DESCRIPTION. Includes entries for ENGINEER SUBMISSION, PRELIMINARY SPA REVIEW, etc.

UTILITY NOTES

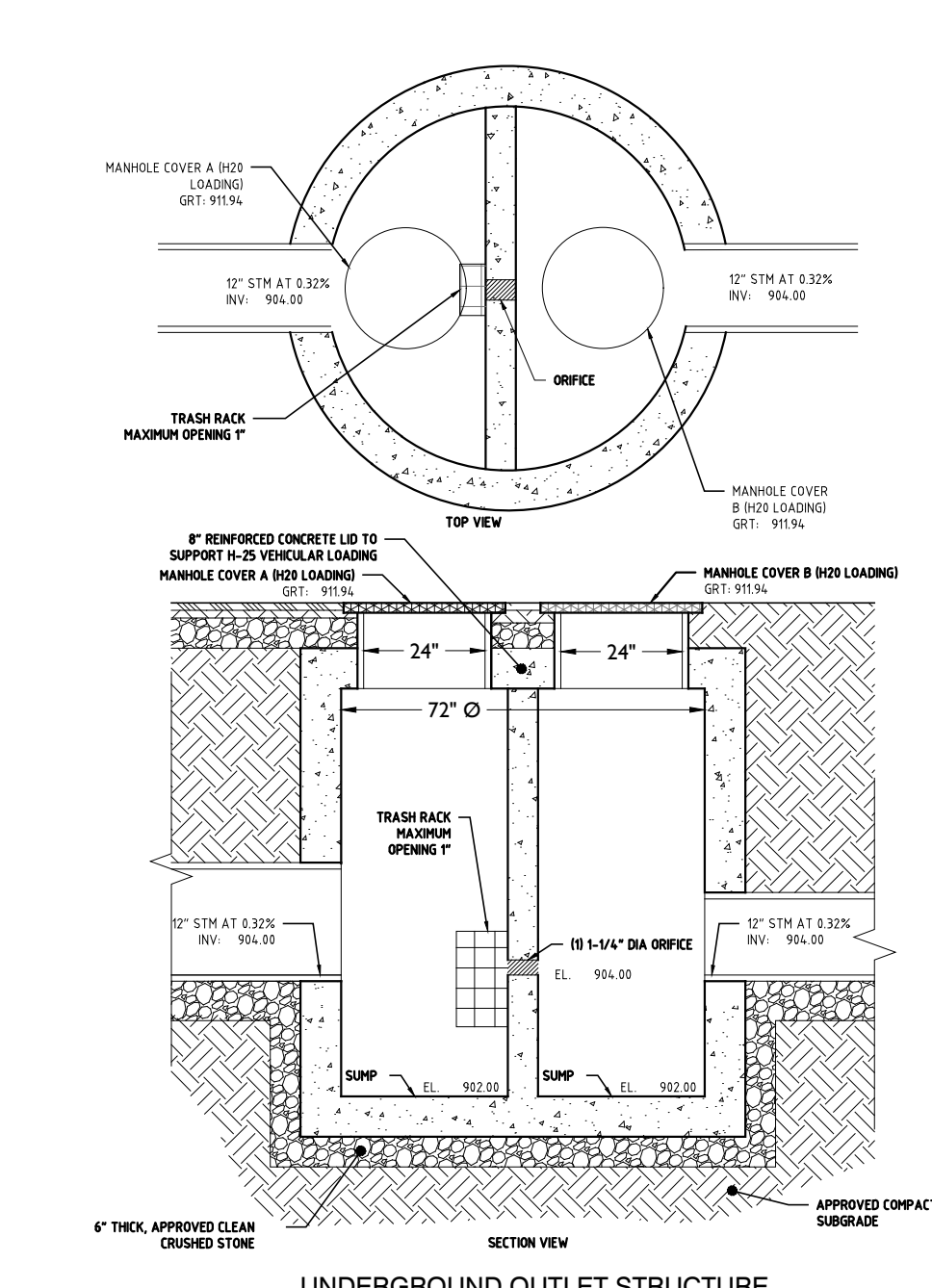
- 1. ALL CONSTRUCTION PROCEDURES AND MATERIALS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF CITY OF HAMBURG... 2. CONTRACTOR MUST CONTACT MISS DIG (811) AT LEAST THREE WORKING DAYS PRIOR TO THE START OF CONSTRUCTION...

UTILITY LEGEND



DETENTION BASIN A CALCULATIONS

Total Drainage Area (A) = 5.54 Acres (241,116 SF) C (Paved) = 0.90, C (Grass) = 0.20, C (Pond) = 1.00. Weighted Value Cw = 0.90 * 0.20 + 0.20 * 0.80 = 0.26. Required Channel Protection Volume Vcp = 1.30in / 12in * 43,560 x A x C = 18,823 CF.



OUTLET CONTROL STRUCTURE CALCULATION

100 YEAR OUTLET CONTROL CALCULATIONS: Detention Orifice Design Head Difference (H): 911.91 - 904.00 = 7.91 FT. Qex = 0.25 cfs. Qex = Co x A0 x (2 x g x h x 0.4)^0.5...

STORAGE TABLE BASIN

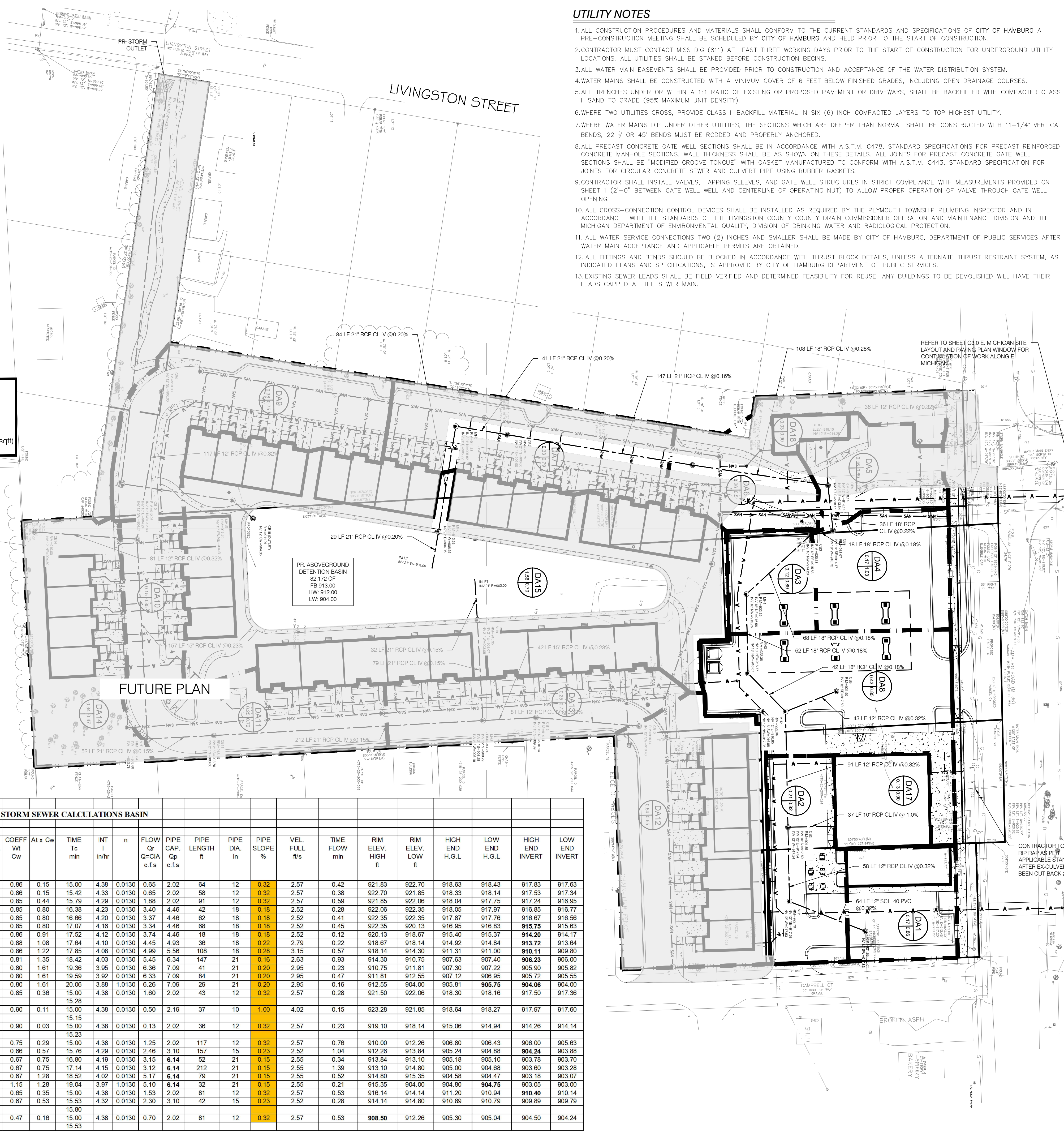
Table with columns: ELEV, AREA (SQFT), DEPTH FT, CONIC INC VOL. CUF, CONIC TOT VOL. CUF. Shows storage volume at various elevations from 904.00 to 913.00.

STORAGE TABLE BASIN

Table with columns: ELEV, AREA (SQFT), DEPTH FT, CONIC INC VOL. CUF, CONIC TOT VOL. CUF. Shows storage volume at various elevations from 904.00 to 913.00.

STORM SEWER CALCULATIONS BASIN

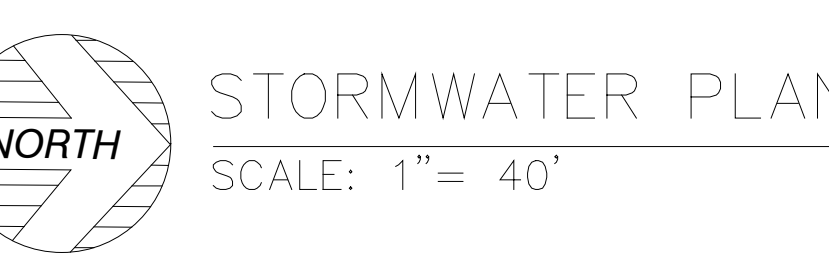
Large table with columns: AREA NO., FROM MH/CB, TO MH/CB, Area A, AREA Grass, AREA Paved, AVG. COEFF. C', A x C, AREA TOTAL, COEFF. Wt, At x Cw, TIME Tc, INT I, n, FLOW Qr, PIPE CAP, PIPE LENGTH, PIPE DIA, PIPE SLOPE, VEL FULL, TIME FLOW, RIM ELEV. HIGH, RIM ELEV. LOW, HIGH END H.G.L., LOW END H.G.L., HIGH END INVERT, LOW END INVERT.

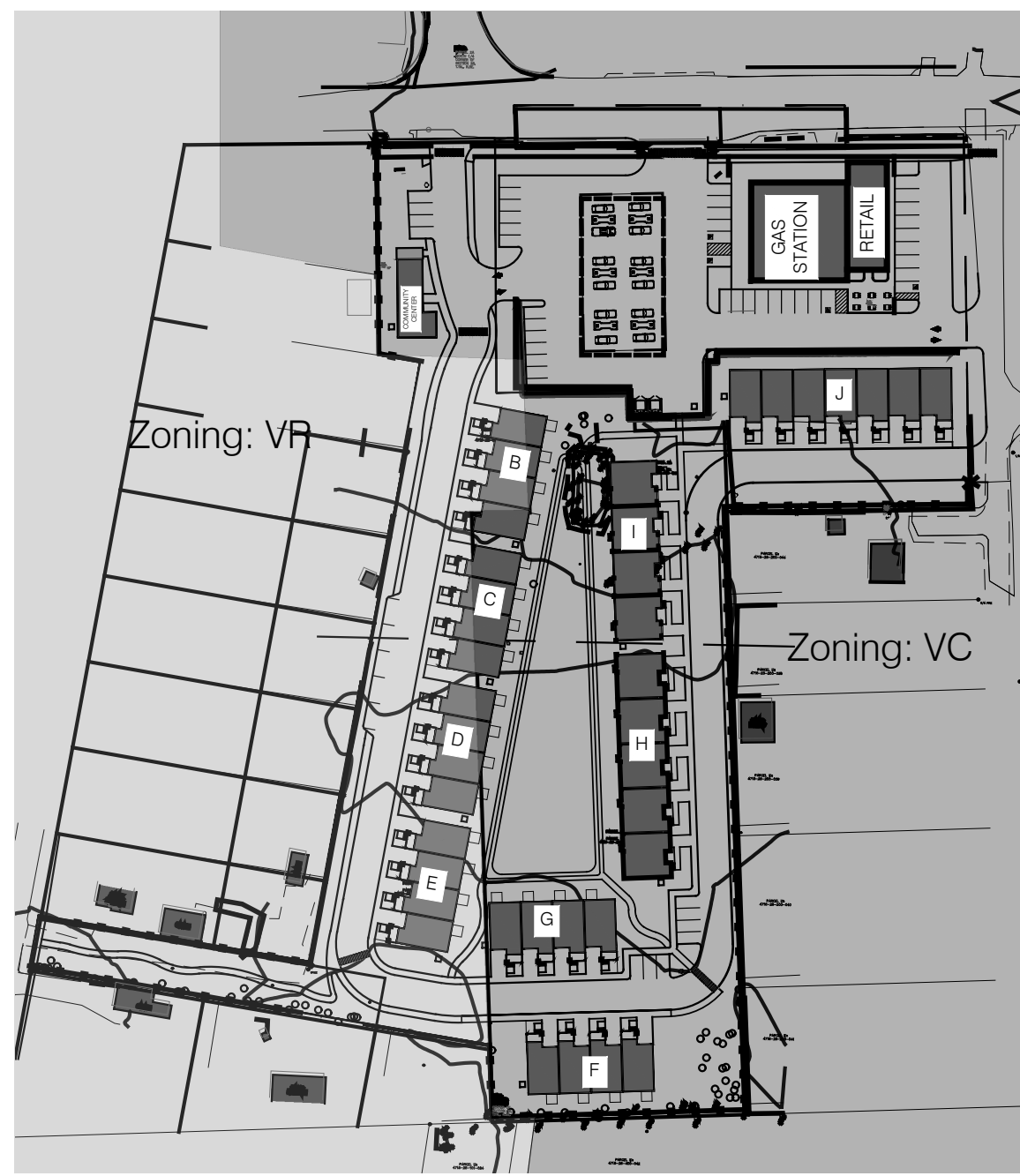


SANITARY AND WATER BASIS OF DESIGN CALCULATION

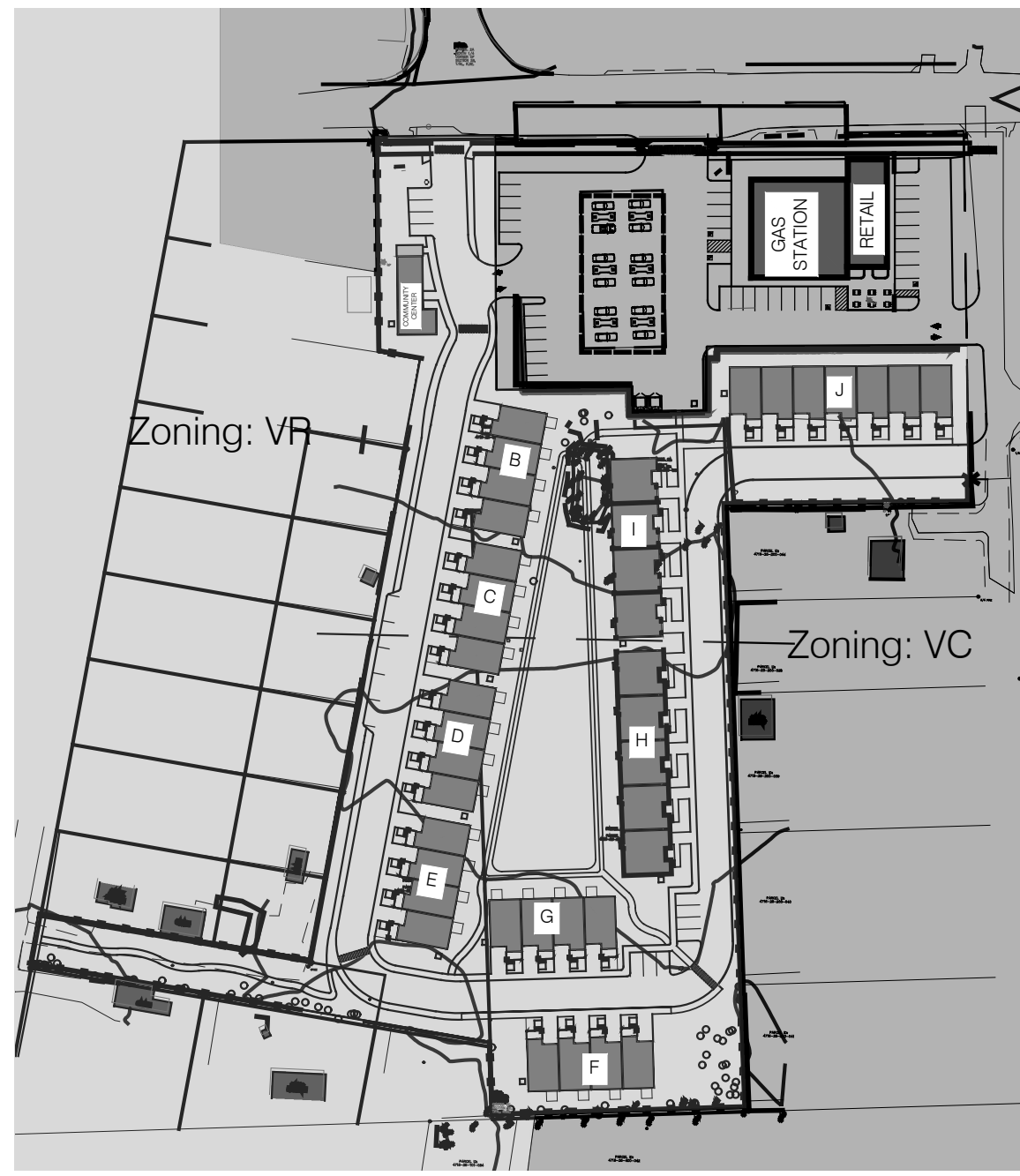
Table showing PROPOSED USAGE, SALES OFFICE, SERVICE STATION, PEAK FACTOR, PEAK FLOW, and POPULATION EQUIVALENT.

THE LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE BASED ON RECORDS PROVIDED BY THE UTILITY OWNERS AND VISIBLE EVIDENCE OBTAINED IN THE FIELD...

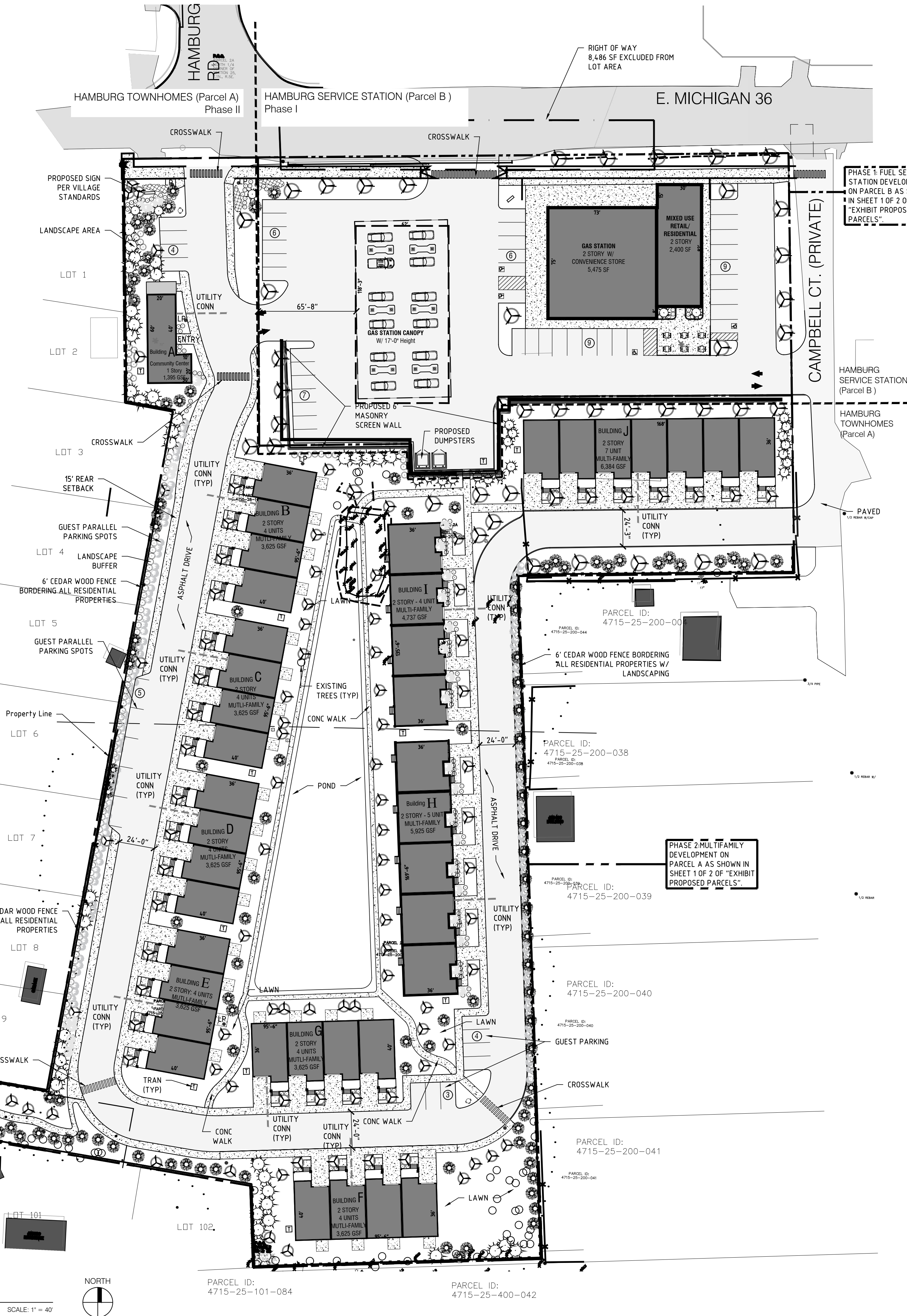




2 Zoning Map
SCALE: 1/128"=1'-0"



3 Proposed Zoning Map
SCALE: 1/128"=1'-0"



1 Site Plan
SCALE: 1" = 40'

SITE DATA

Regulation	Information
Parcel I.D.	#4715-25-101-078 / #4715-25-200-025 / #4715-25-200-024 / #4715-25-200-023
Address	7620 E. M-36 & 10303 Hamburg Rd. Hamburg Twp, MI
Zoning	VC - Village Center/ VR- Village Residential
Lot Area	Parcel A -194,357 Sq. Ft. / Parcel B - 61,961 Sq. Ft.
Lot Area Combined:	256,501 Sq. Ft. (5.88 Acres)

ZONING SCHEDULE OF REGULATIONS

Regulation	Required	Provided - Parcel A (Townhomes)	Provided - Parcel B (Service Station)
Setbacks	VR Zoning Front: 20' Side: 10' Rear: 25'	BUILDING A : COMMUNITY CENTER Front: n/a Side: 15'-0" 90'-3" Rear: 15'-1"	SERVICE STATION Front: 193'-8" Side: 25'-6" 51'-1" Rear: 88'-6"
	VC Zoning Front: 20' Side: 10' Rear: 15'	BUILDING B, C, D & E Front: 62'-0" Side: 64'-6" 11'-7" Rear: 133'-10"	BUILDING F Front: 491'-10" Side: 20'-0" 28'-8" Rear: 15'-0"
Garage:	5' From Building Line	BUILDING G Front: 72'-5" Side: 93'-4" 133'-2" Rear: 385'-1"	BUILDING J Front: 64'-1" Side: 11'-7" 16'-11" Rear: 15'-1"
	10' Between each building	BUILDING H & I Front: 50'-0" Side: 33'-7" 178'-3" Rear: 157'-9"	CANOPY Front: 65'-8" Side: 34'-2" 30'-9" Rear: 227'-9"
Min. Lot Area	VR: 80 SF VC: 65 SF	4.46 Acre - 194,357 Sq. Ft.	1.4 Acre - 61,961 Sq. Ft.
Max. Dwelling unit per Acre	VR: 8 / Acre VC: 10 / Acre	40 Dwelling units /4.46 Acre 10 unit/Acre	2 Dwelling units /1.4 Acre 2 unit/Acre
Building Height	VR / VC : 35' / 2.5 Stories	2 Stories / 23'-9" 22'-6" Townhome 1 Story/13'-3" Community center	2 Story - 24' Height Canopy - 17' Height
Maximum Lot Coverage building/parking	VR: 35/40 VC: 50/80	21% Building (40,201 SF) 58 % Total Impervious (112,910 SF)	24% (15,145 SF) 87% (54,118 SF)
Open Space	1,500 SF / PER UNIT 60,000 SF REQ. OPEN SPACE	2,036 SF / Unit Provided (81,447 SF)	7,843 SF
		PARCEL A & B COMBINED TOTAL BUILDING COVERAGE 65%	
		PARCEL A & B COMBINED OPEN SPACE 77,776 SF	

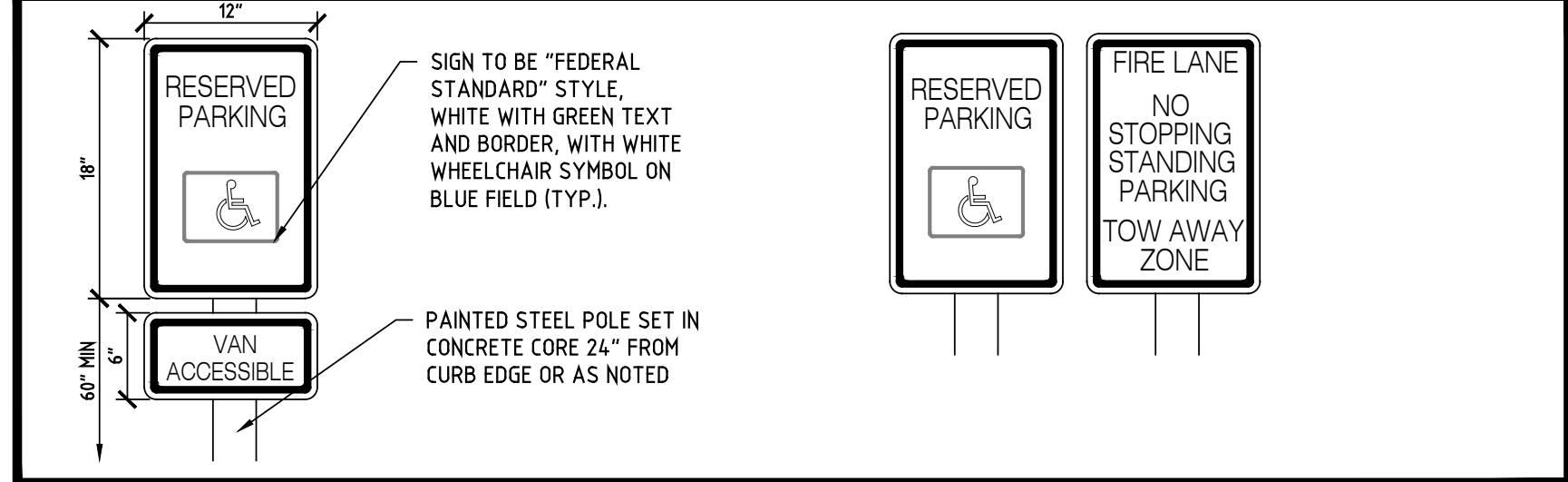
PARKING SUMMARY - Parcel A (Townhomes)

Regulation	Required	Provided
Site Requirement	1.5 Spaces /Unit: 1.5/40 units = 60 Spaces + Community Center 1 Space / 400 SF = 3.5 Spaces	15 Street Parking Spaces (Guest) + 40 Garage Parking Spaces + 8 Lot parking spaces @ service station 4 Spaces by Community Center
Total	63.5 Spaces Required	67 Spaces Provided

PARKING SUMMARY - Parcel B (Service Station)

Regulation	Required	Provided
Site Requirement	Service Station: 1 Space / Stall + 1 Employee = 13 Spaces Retail: Retail: 1 Space / 150 SF = 16 Spaces	37 Lot Parking Spaces +
Total	29 Spaces Required Including 2 Accessible Space	37 Spaces Provided Including 4 Accessible Parking Spaces

ADA SIGN DETAILS

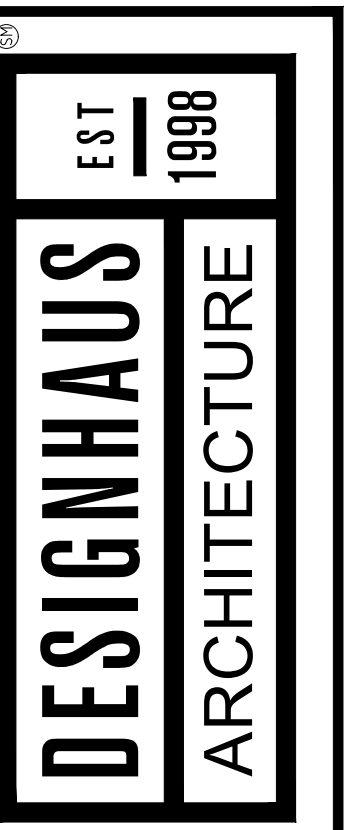


COMMUNITY MAIL BOX



REQUIRED STREET LIGHTING

VC Standard Fixtures to be Provided @ 50' O.C.
RE: Photometric Plan sheet AS.03



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Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Architectural
Site Plan

022065

AS1.00

SIGNS- Parcel A (Townhomes)

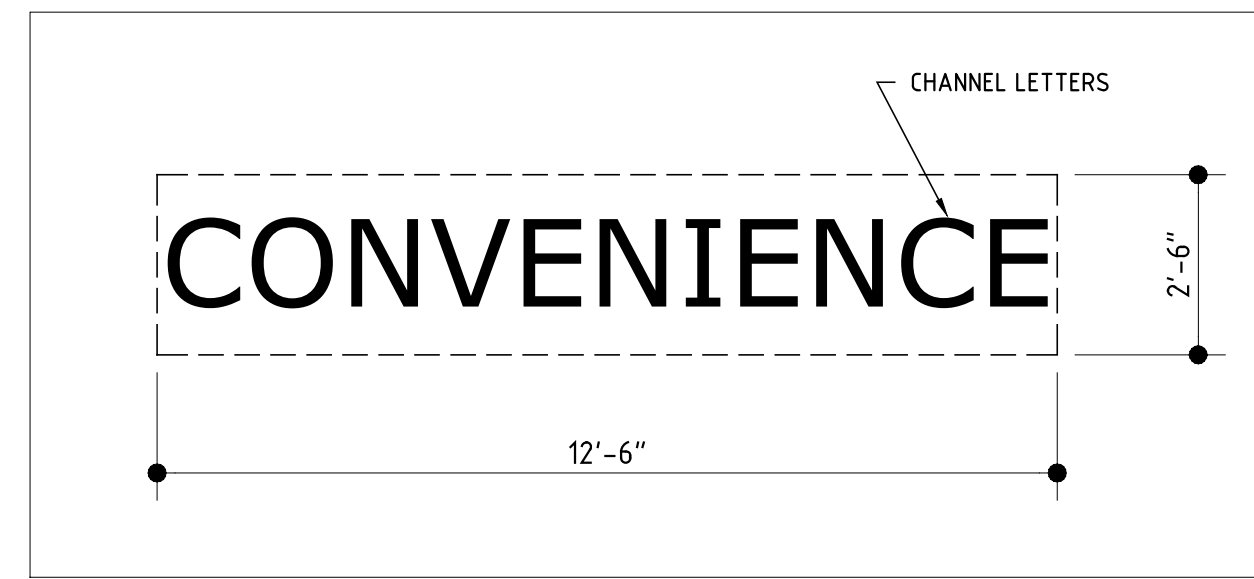
Regulation	Required	Provided
RESIDENTIAL DISTRICT VR	Sec. 36-476 a. Residential Development sign, one Freestanding Monument or wall sign to be located within 50' of entrance, not to exceed 32 SF in area	1 Freestanding Monument 32 SF

SIGNS- Parcel B (Gas Station)

Regulation	Required	Provided
NONRESIDENTIAL DISTRICT VR	Sec. 36-476 b. Nonresidential sign: one Freestanding Monument and one wall sign. Freestanding sign not to exceed 20 SF in area.	1 Freestanding Monument 20 SF

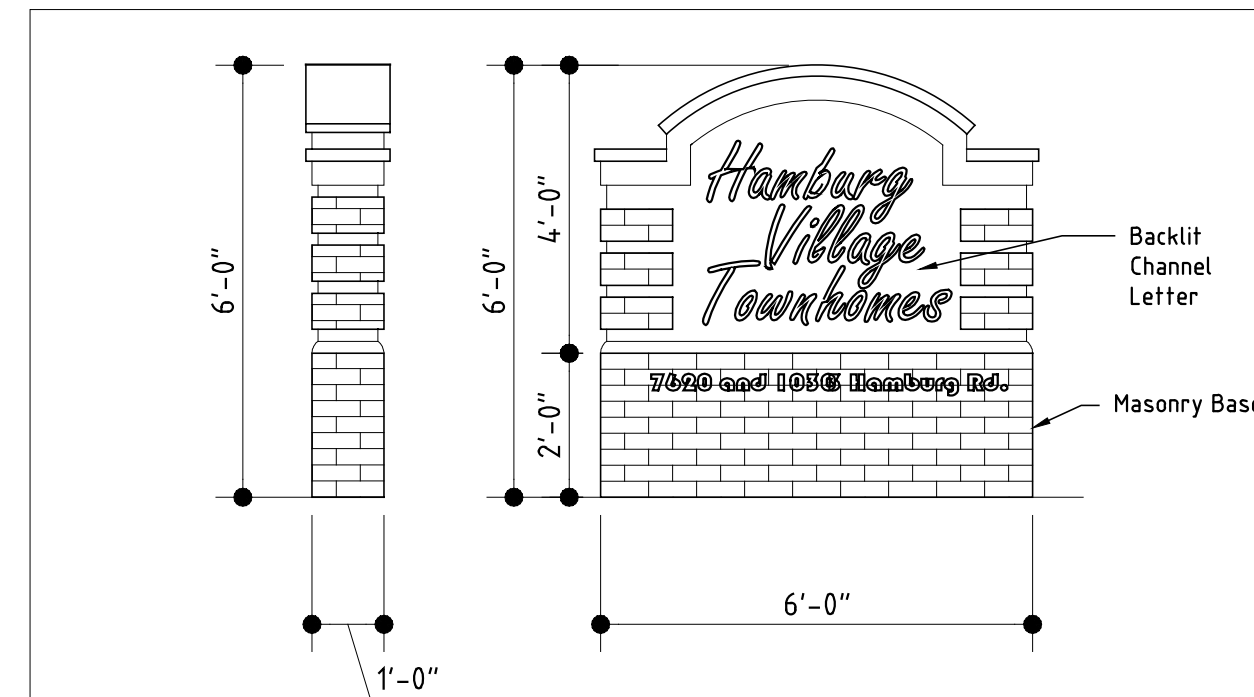
SIGNS- Parcel B (Wall Sign)

Regulation	Required	Provided
NONRESIDENTIAL DISTRICT VR	Sec. 36-476 b. The wall sign not to exceed 1SF for every two linear feet of building frontage, or 100 square feet, whichever is less.	5 Wall-Sign (1SF Each)



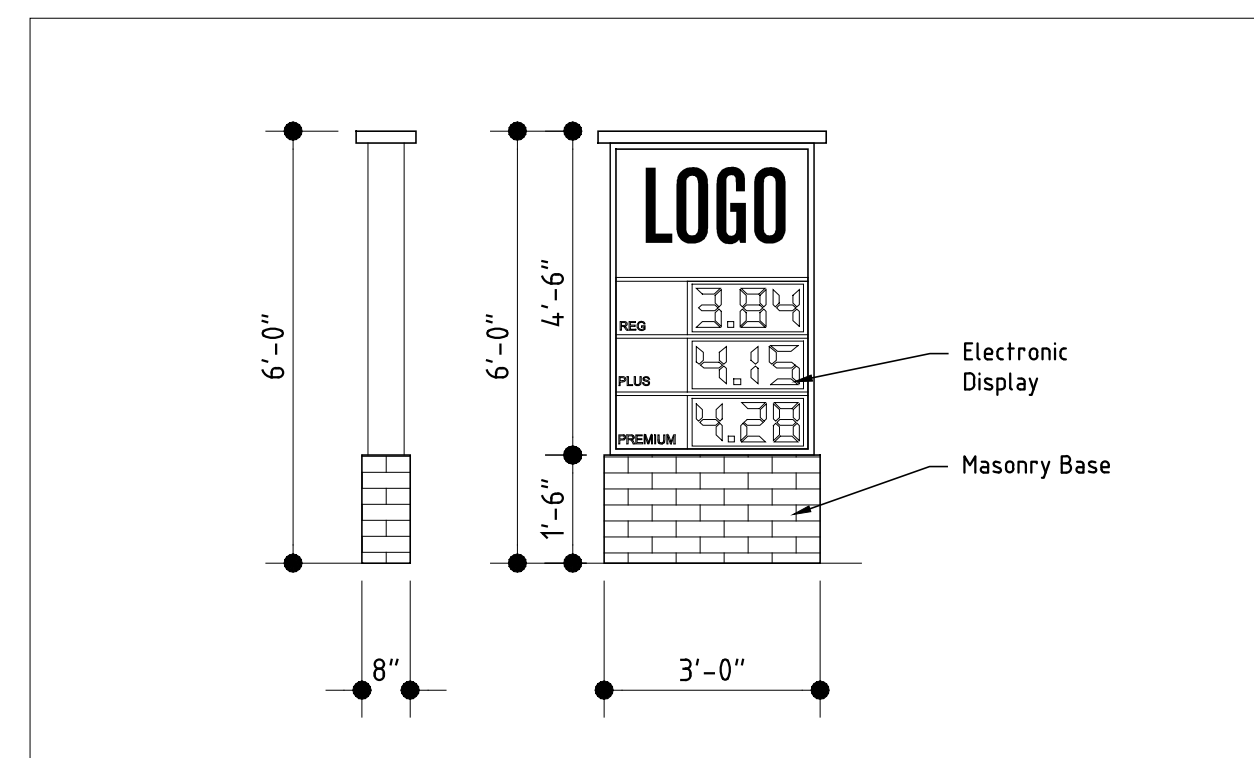
1 Wall Sign

SCALE: 1"= FULL



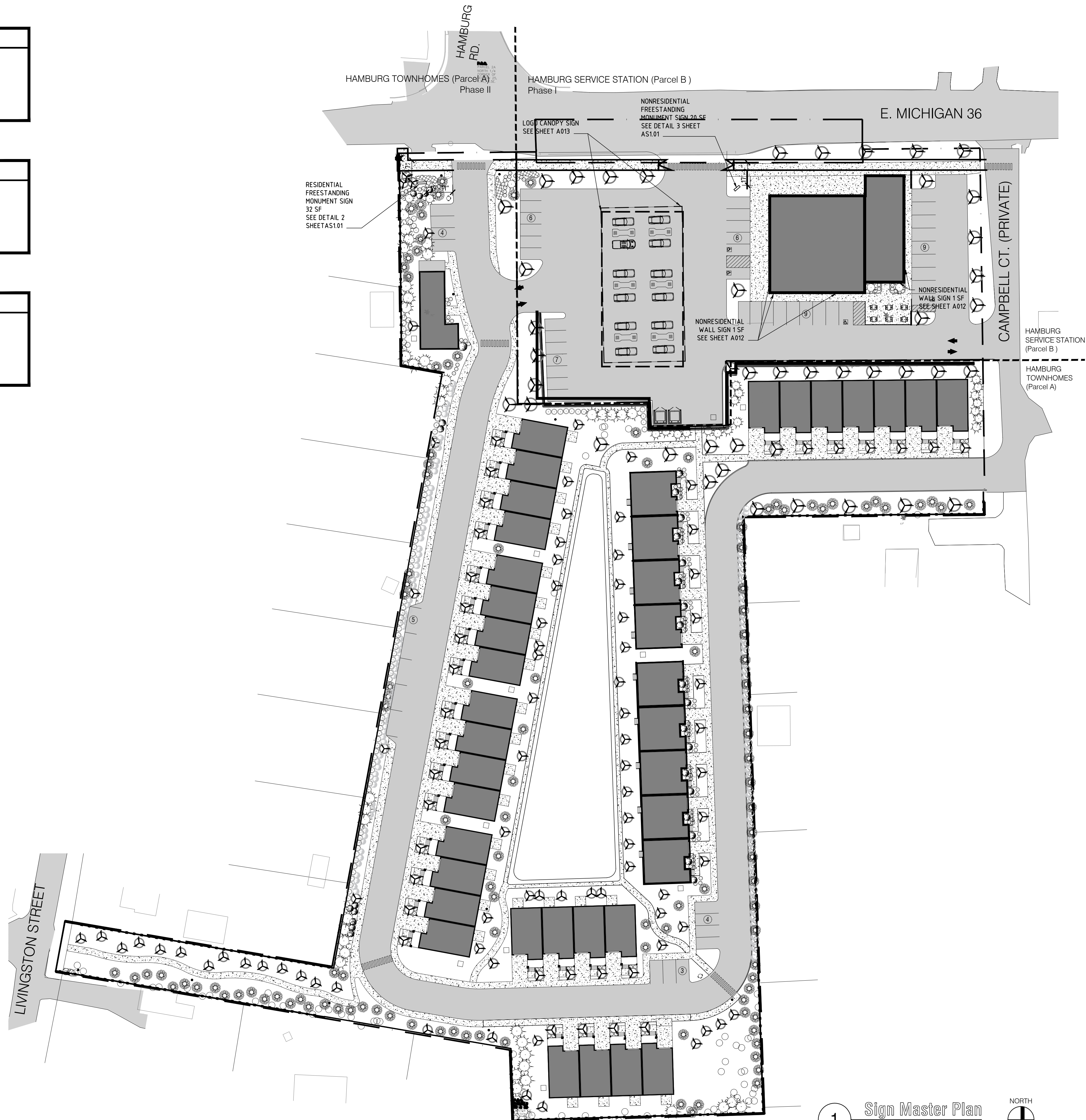
2 Monument Sign Residential Sign

SCALE: 1"= FULL



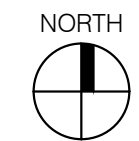
3 Monument Sign Gas Station

SCALE: 1"= FULL



1 Sign Master Plan

SCALE: 1"= 40'



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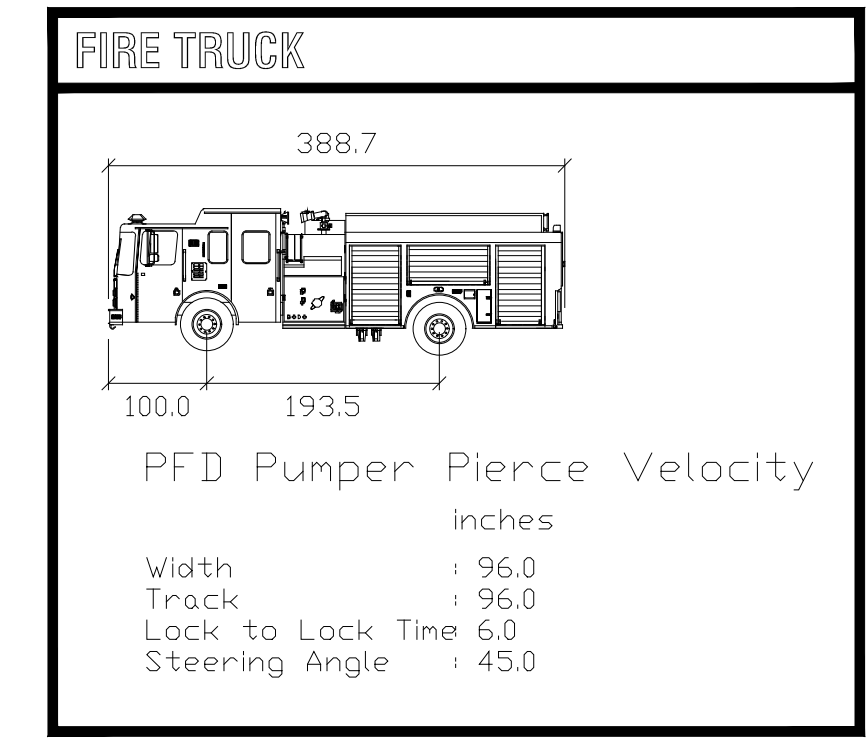
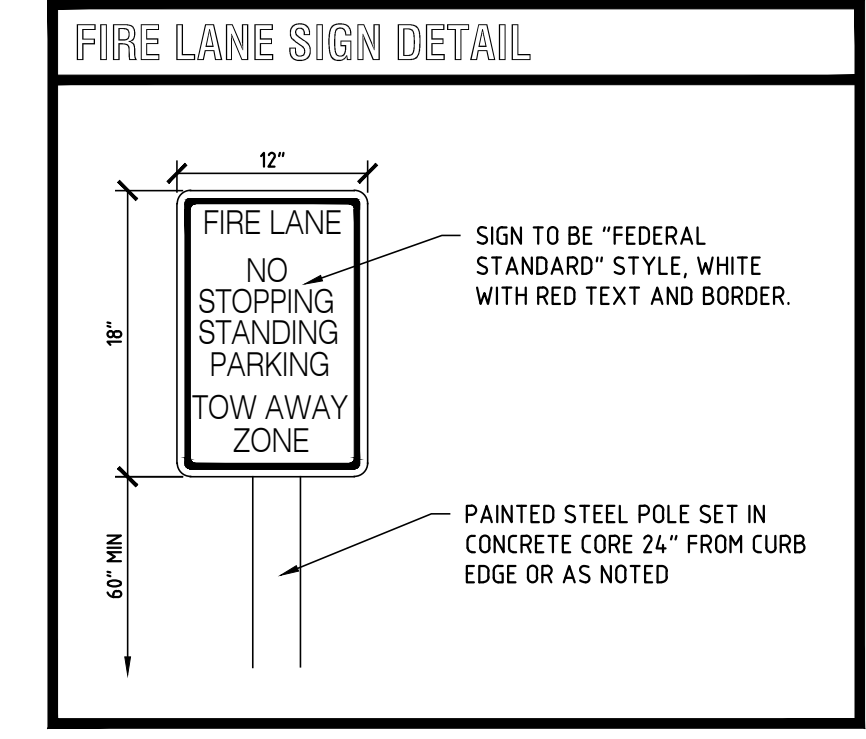
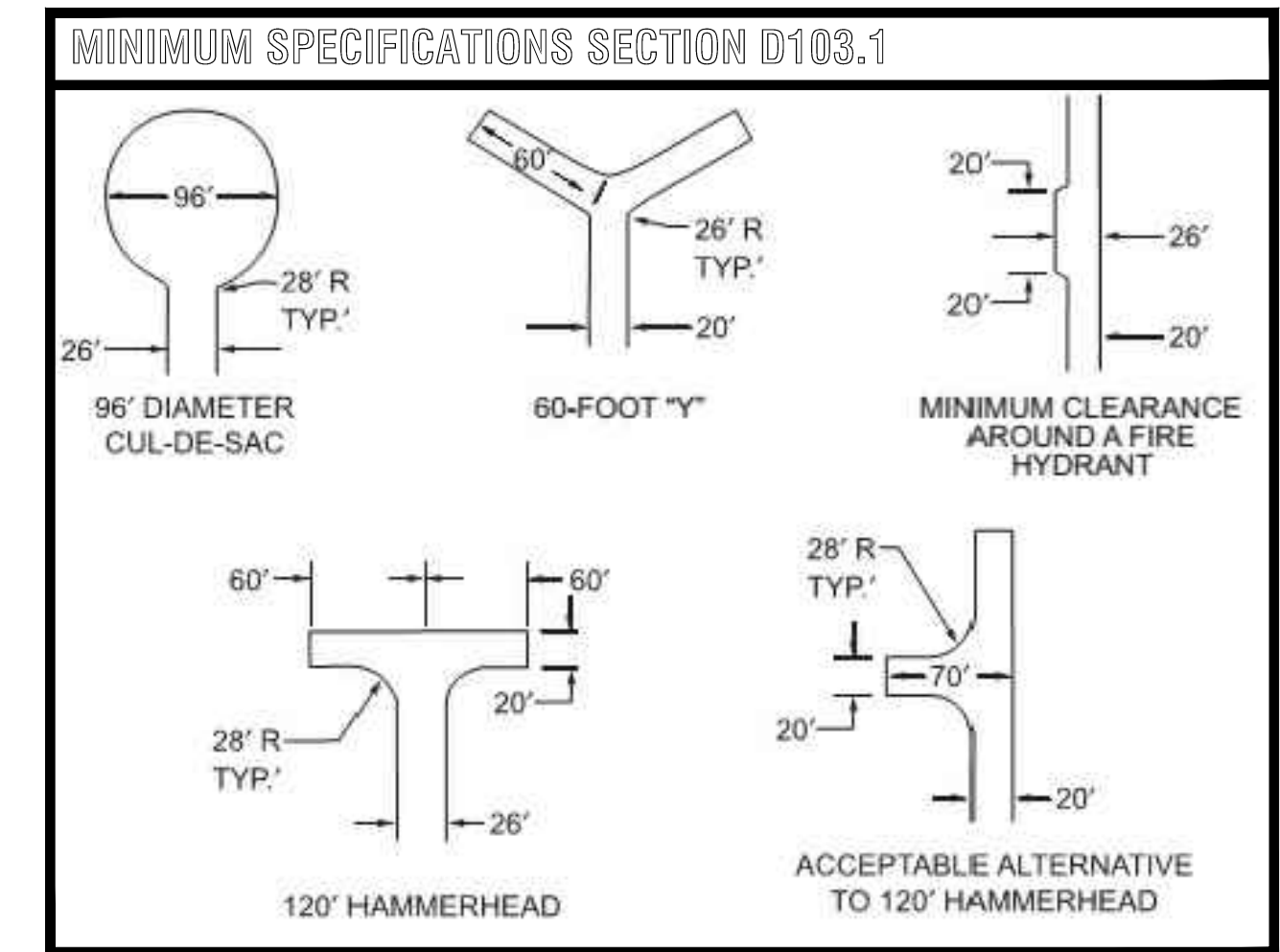
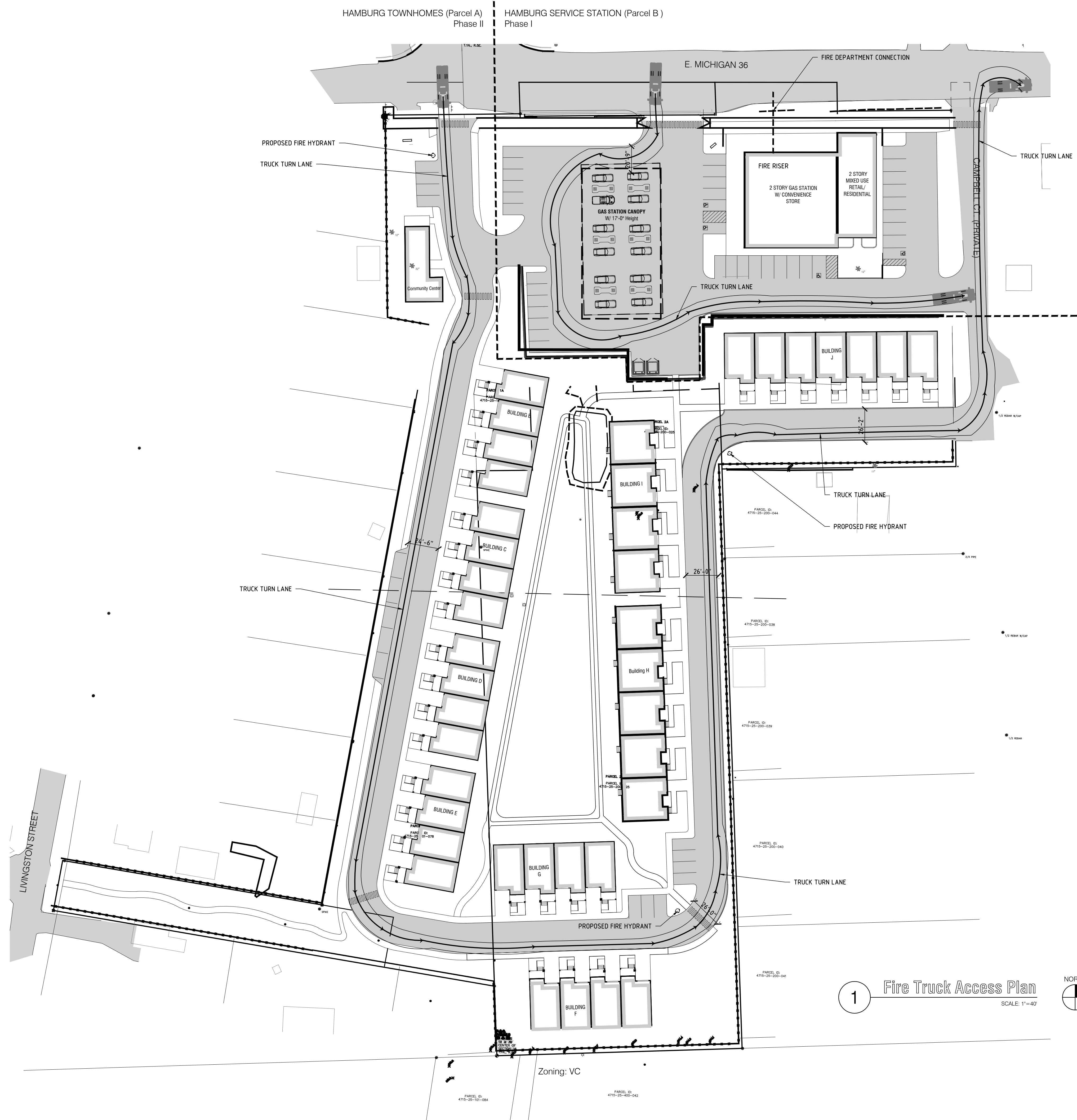


Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

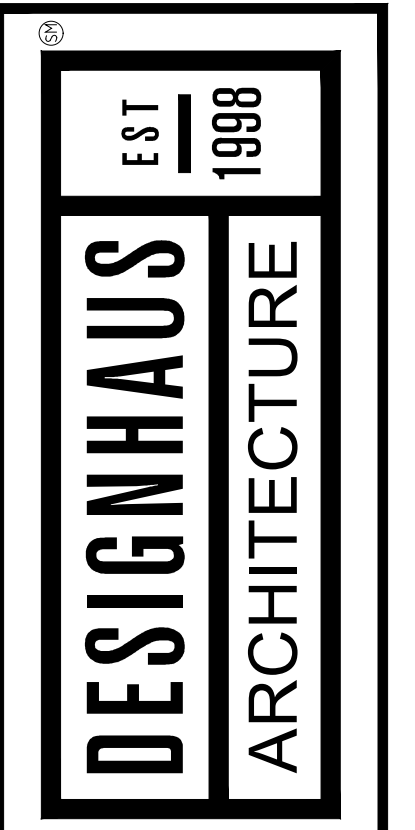
Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Sign Master Plan

022065
AS1.01



1 Fire Truck Access Plan
SCALE: 1"=40'



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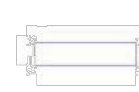

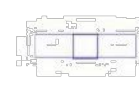
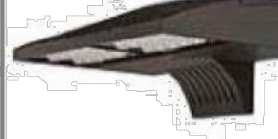

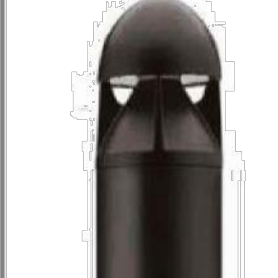


Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Fire Truck Access Plan

022065
AS1.02

3/8/2024 AS1.02 Fire Truck Turning Site Plan.dwg DESIGNHAUS

Schedule										
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	A		8	Lithonia Lighting	DSXW1 LED 10C 1000 40K T3S MVOLT	DSXW1 LED WITH (1) 10 LED LIGHT ENGINES, TYPE T3S OPTIC, 4000K, @ 1000mA.	1	3912	1	38.8
	B		21	Lithonia Lighting	DSXW1 LED 10C 1000 40K T3S MVOLT	DSXW1 LED WITH (1) 10 LED LIGHT ENGINES, TYPE T3S OPTIC, 4000K, @ 1000mA.	1	3912	1	38.8
	C		12	Lithonia Lighting	DSXB LED 12C 350 50K ASY	D-SERIES BOLLARD WITH 12 5000K LEDS OPERATED AT 350mA AND ASYMMETRIC DISTRIBUTION	1	1291	1	16
	D		16	Lithonia Lighting	CNY LED P0 40K MVOLT	CNY LED Canopy P0=3,500lm	108	3669	1	26.35

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.6 fc	6.2 fc	0.0 fc	N/A	N/A

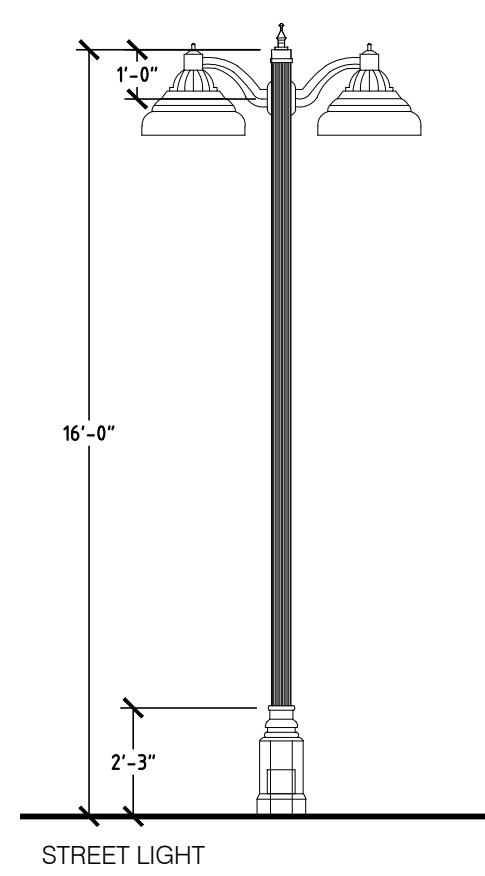
Note
 1. TYPICAL LIGHT PLES STANDARDS TO CONFIRM WITH VILLAGE STANDARDS
 2.SPACING OF POLES AT 50'-0" ON CENTER
 3.

REQUIRED STREET LIGHTING

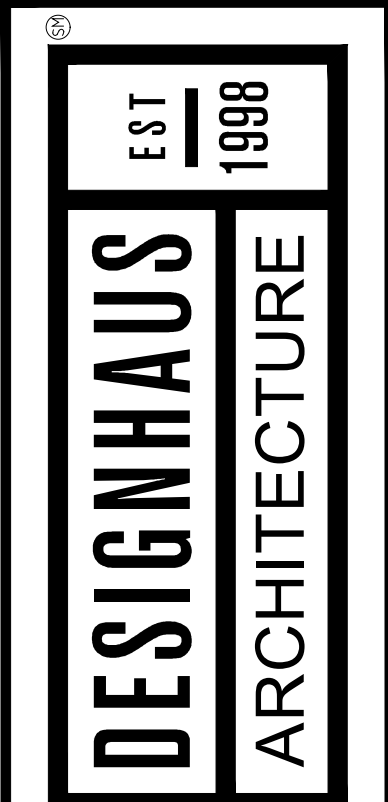
STREETLIGHTS WITHIN THE VC/VG DISTRICT MUST BE AS SPACED 50' O.C.

PARKING LIGHTING MAY BE A SHOEBOX DESIGN WITH MAXIMUM HEIGHT OF 20 FEET AND PAINTED BLACK.

ADDITIONAL LIGHTING IS RECOMMENDED AND MAY INCLUDE BUILDING AND SIGNAGE LIGHTING AS WELL AS ACCENT UP-LIGHTS ON BUILDING OR AT LANDSCAPING.



STREET LIGHT



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Revision/Issue	Date
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PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

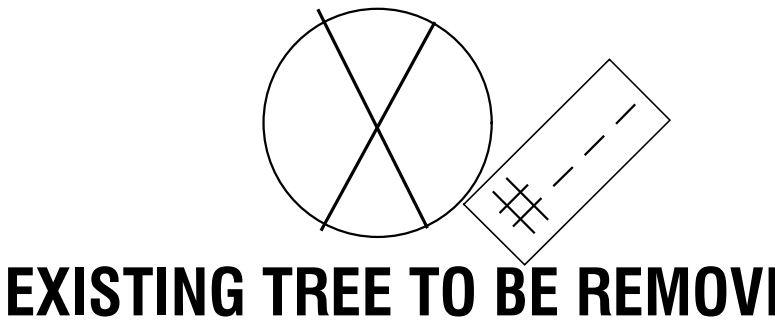
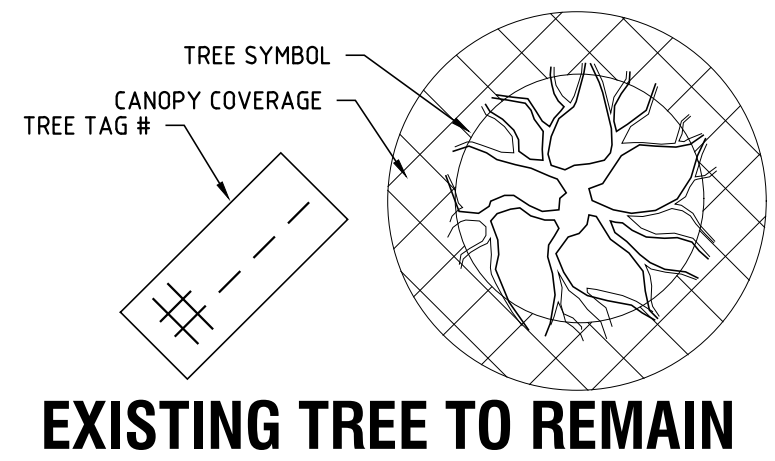
Hamburg Village Townhomes
 7620 and 10303 Hamburg Rd.
 Hamburg Twp., MI

Photometric Plan

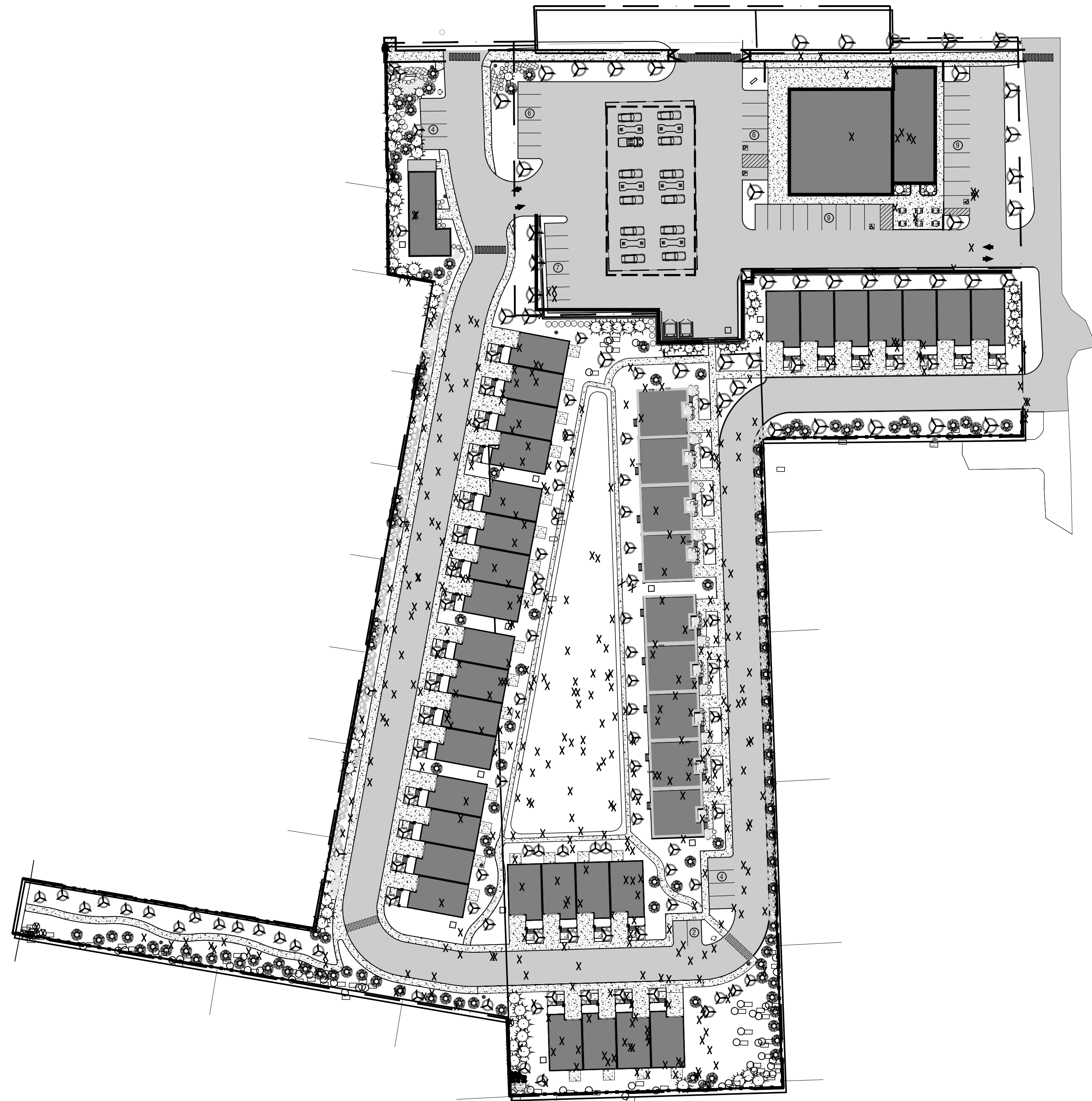
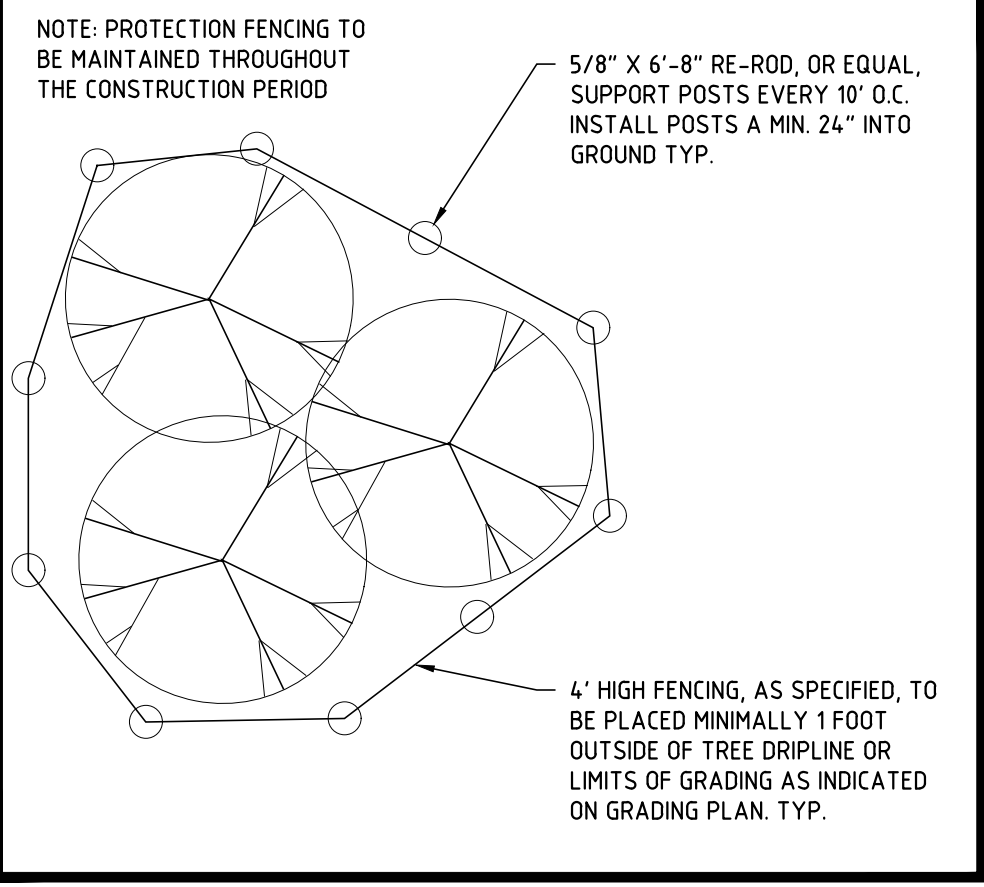
022065
AS1.03

GENERAL NOTES

TREES REMOVED PROVIDE NO LANDSCAPE VALUE TO THE SITE
SEE LANDSCAPE PLAN REPLACEMENT TREES



TREE PROTECTION DETAIL



EXISTING TREES TO REMAIN

Table with 3 columns: TAG #, TAG #, TAG #. Lists 61 existing trees to remain with their respective tag numbers.

TREES TO BE REMOVED

Table with 11 columns: TAG #, TAG #, TAG #, TAG #, TAG #, TAG #, TAG #, TAG #, TAG #, TAG #, TAG #. Lists 60 trees to be removed with their respective tag numbers and notes like '12\"/>

1 Tree Removal and Preservation Plan SCALE: 3/256\"/>

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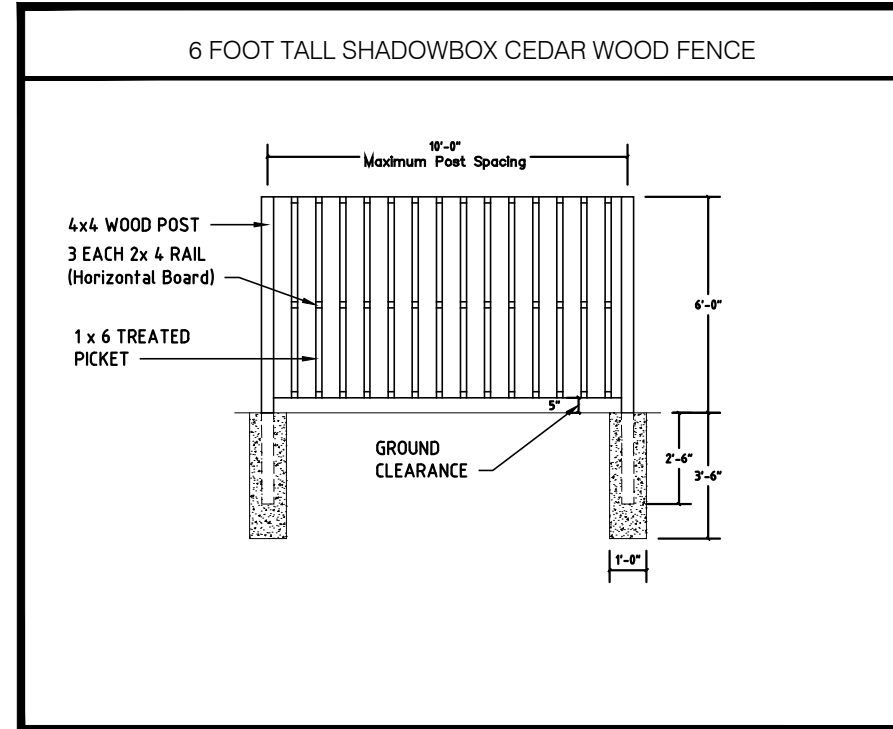
Revision/Issue table with columns for Revision/Issue and Date. Includes entries for Final PUD, REV Preliminary PUD, PUD Preliminary SP, and PUD Preliminary Rev.

Hamburg Village Townhomes 7620 and 10303 Hamburg Rd. Hamburg Twp., MI

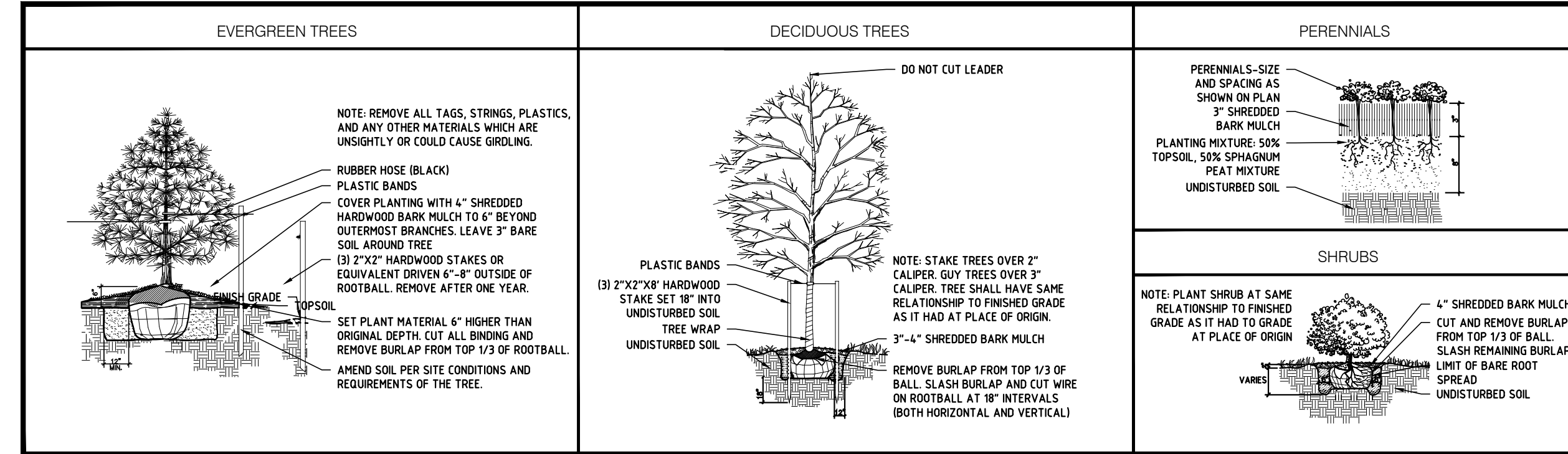
Tree Removal and Preservation Plan

022065 L100

WOOD SCREENING FENCE



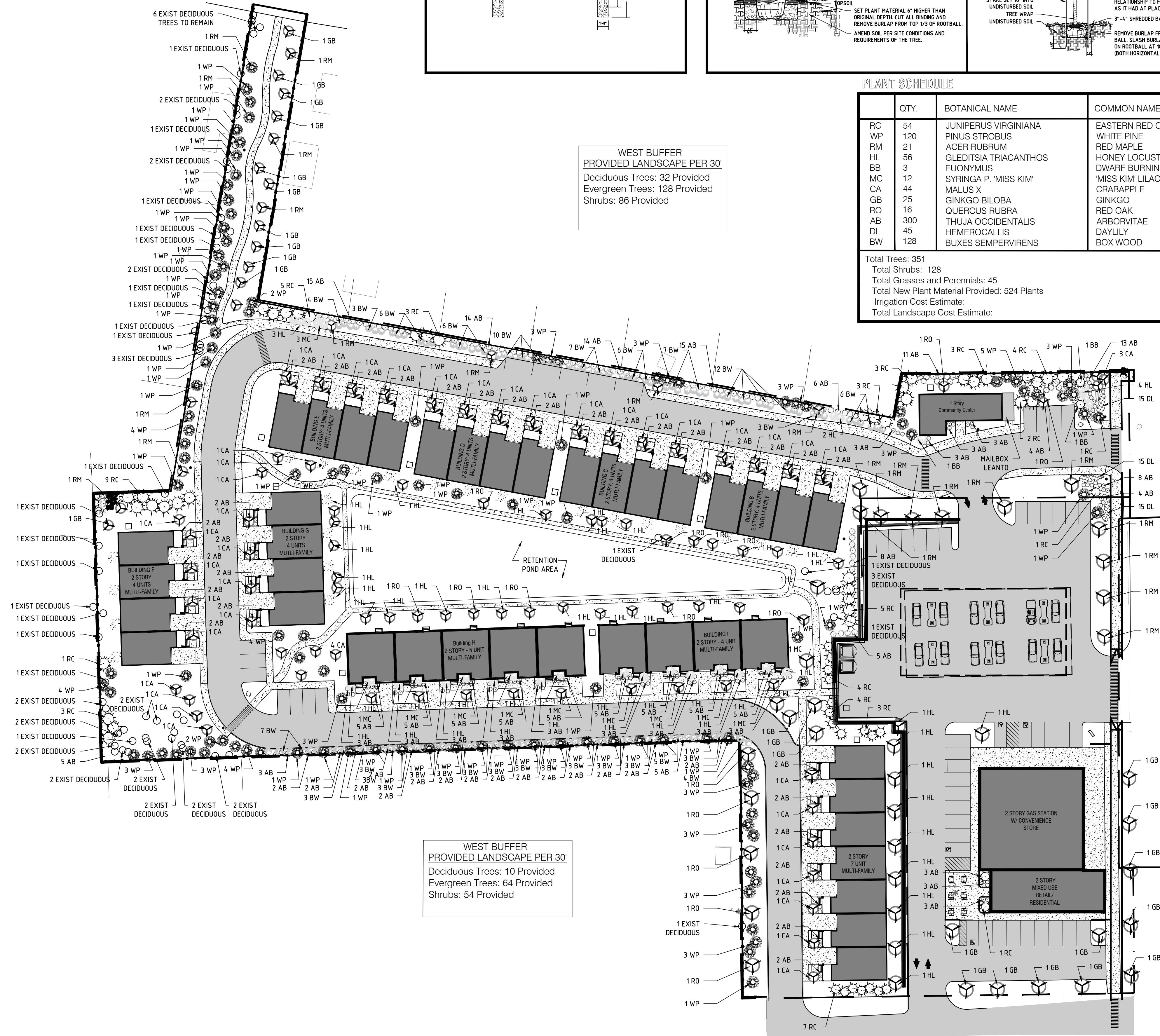
PLANTING DETAILS



PLANT SCHEDULE

	QTY.	BOTANICAL NAME	COMMON NAME	TREE TYPE	SIZE/ROOT	UNIT COST / TOTAL
RC	54	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	EVERGREEN	3' B+B	
WP	120	PINUS STROBUS	WHITE PINE	EVERGREEN	7'-8'	
RM	21	ACER RUBRUM	RED MAPLE	DECIDUOUS	2 1/2'	
HL	56	GLEDITSIA TRIACANTHOS	HONEY LOCUST	DECIDUOUS	2 1/2'	
BB	3	EUONYMUS	DWARF BURNING BUSH	DECIDUOUS	7'-8'	
MC	12	SYRINGA P. 'MISS KIM'	MISS KIM LILAC	DECIDUOUS	24' B+B	
CA	44	MALUS X	CRABAPPLE	DECIDUOUS	3' B+B	
GB	25	GINKGO BILOBA	GINKGO	DECIDUOUS	3' B+B	
RO	16	QUERCUS RUBRA	RED OAK	DECIDUOUS	3' B+B	
AB	300	THUJA OCCIDENTALIS	ARBORVITAE	EVERGREEN		
DL	45	HEMEROCALLIS	DAYLILY	PERENNIALS		
BW	128	BUXES SEMPERVIRENS	BOX WOOD	SHRUBS		

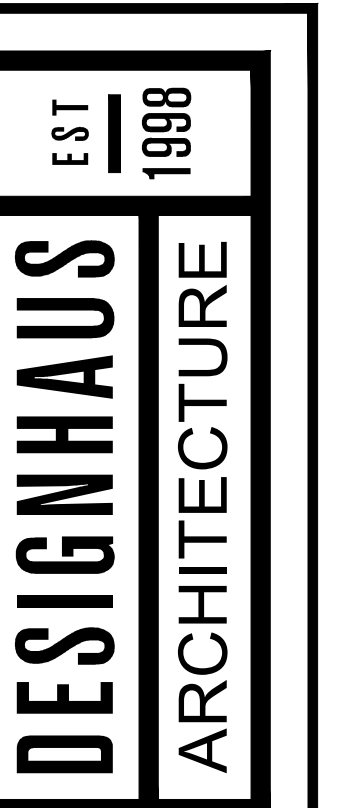
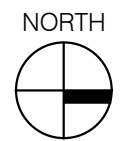
Total Trees: 351
 Total Shrubs: 128
 Total Grasses and Perennials: 45
 Total New Plant Material Provided: 524 Plants
 Irrigation Cost Estimate:
 Total Landscape Cost Estimate:



WEST BUFFER
 PROVIDED LANDSCAPE PER 30'
 Deciduous Trees: 32 Provided
 Evergreen Trees: 128 Provided
 Shrubs: 86 Provided

WEST BUFFER
 PROVIDED LANDSCAPE PER 30'
 Deciduous Trees: 10 Provided
 Evergreen Trees: 64 Provided
 Shrubs: 54 Provided

1 Landscape Plan
 SCALE: 1" = 40'



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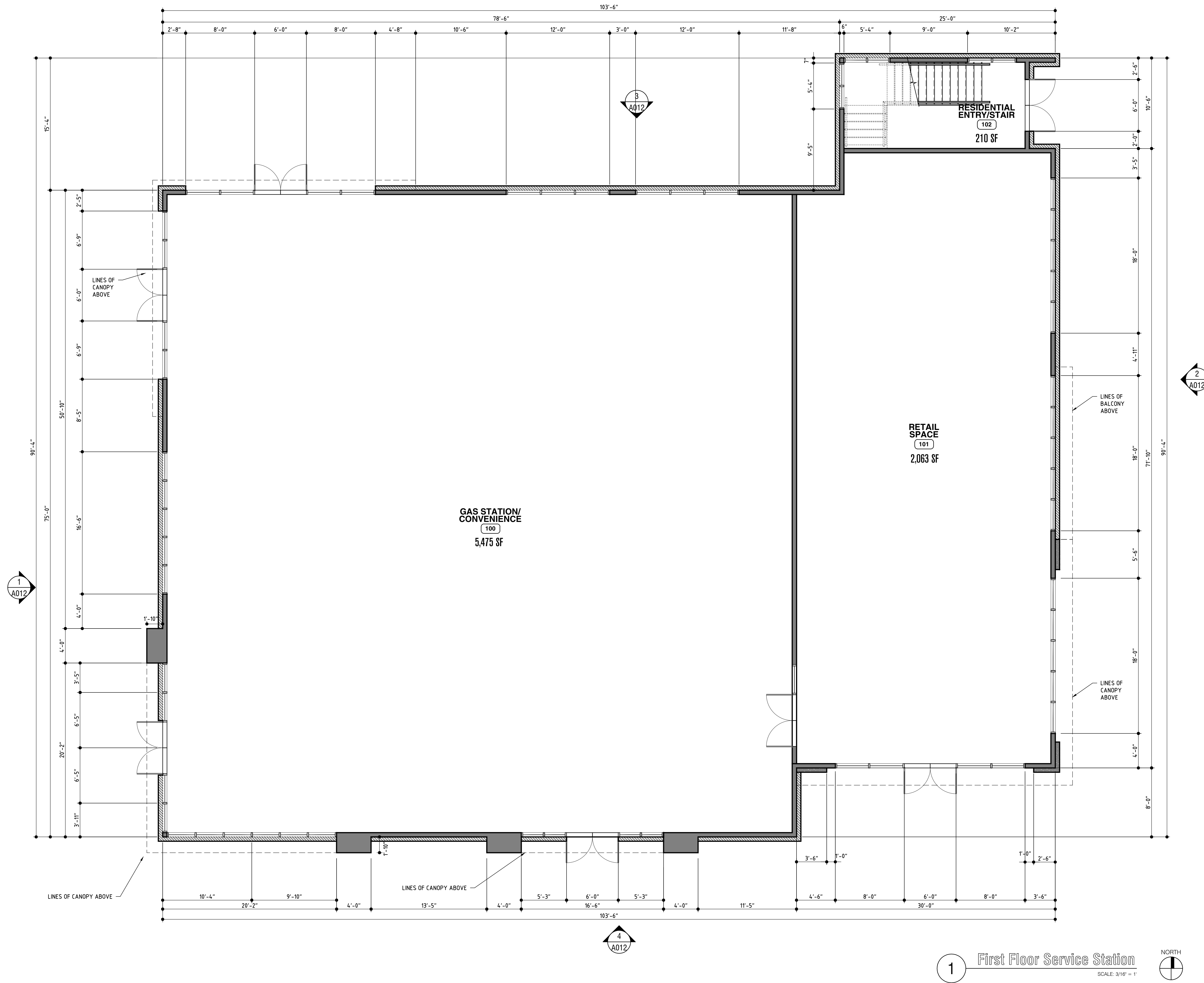


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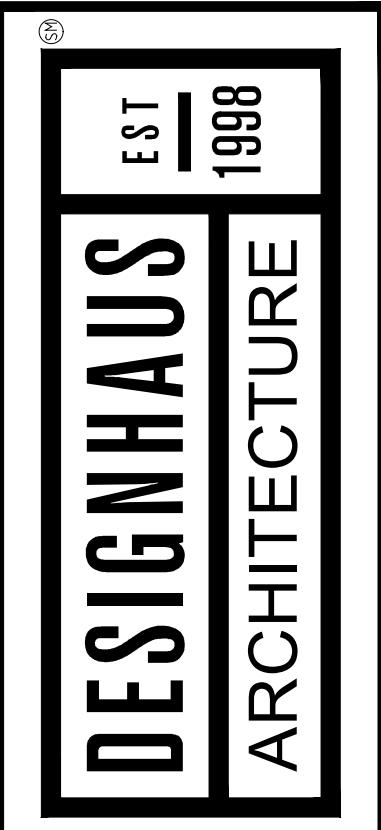
Hamburg Village Townhomes
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Landscape Plan

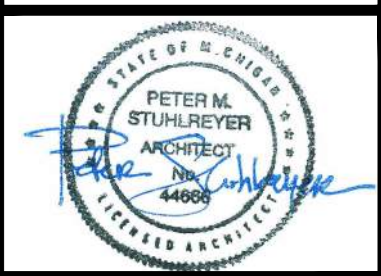
022065
 L101



PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GAS METER
	WATER METER
	ELECTRICAL METER
	ELECTRICAL PANEL
	EXISTING TO REMAIN
	WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
	NIGHT LIGHT



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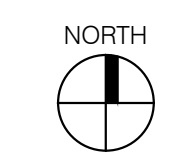
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REV Preliminary PUD	11.17.23
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PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
 7620 and 10303 Hamburg Rd.
 Hamburg Twp., MI

**First Floor Plan -
 Service Station**

022065
A010

1 First Floor Service Station
 SCALE: 3/16" = 1'



PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GAS METER
	WATER METER
	ELECTRICAL METER
	ELECTRICAL PANEL
	EXISTING TO REMAIN
	WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID
	LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
	NIGHT LIGHT

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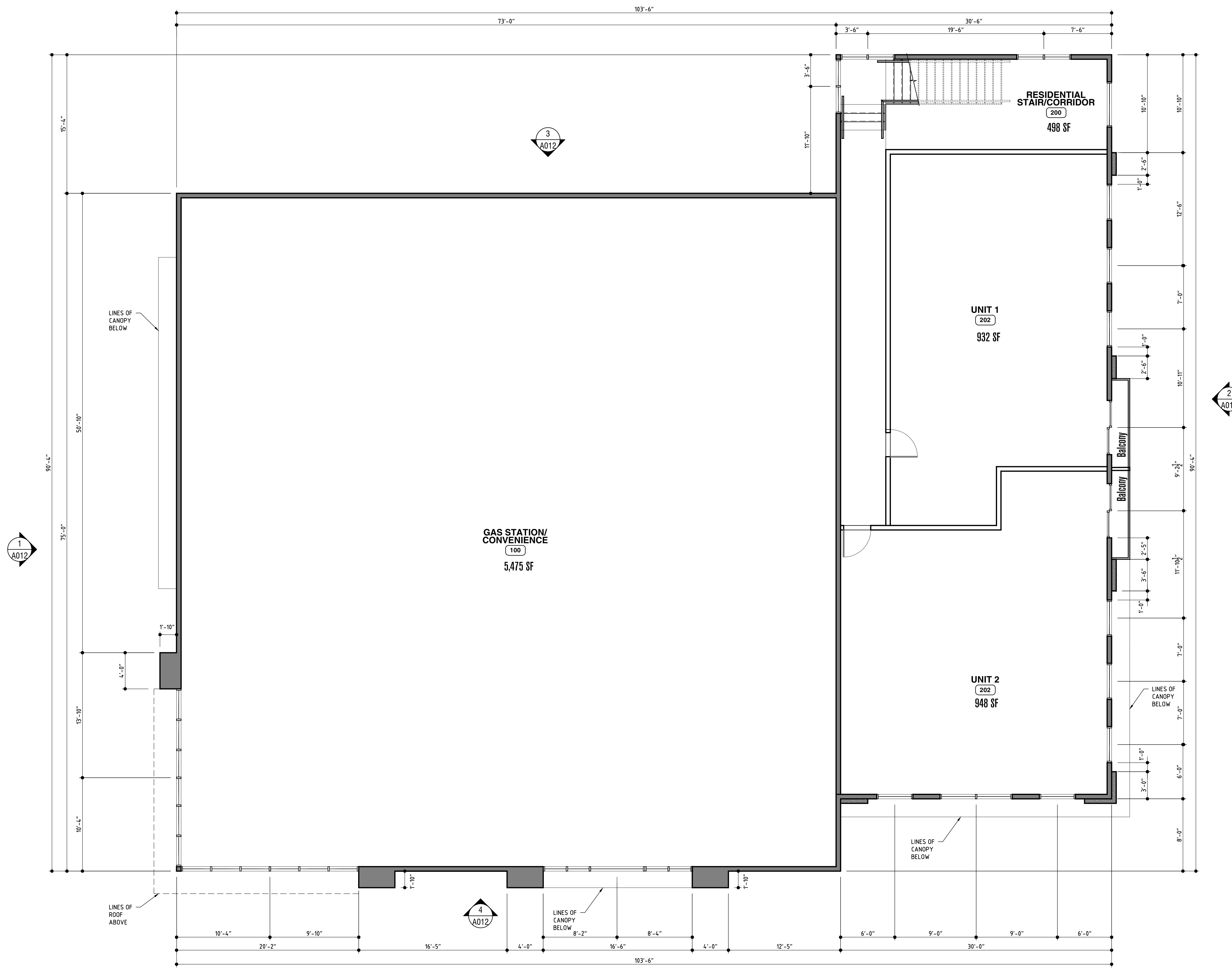
Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
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Hamburg Twp., MI

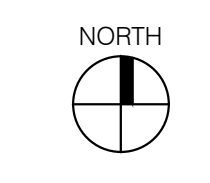
**Second Floor Plan -
Service Station**

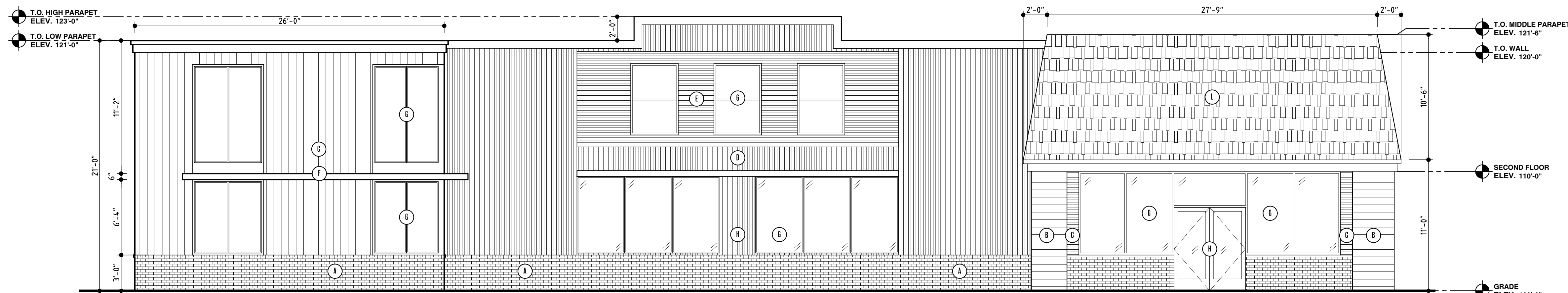
022065

A011



1 First Floor Service Station
SCALE: 3/16" = 1'



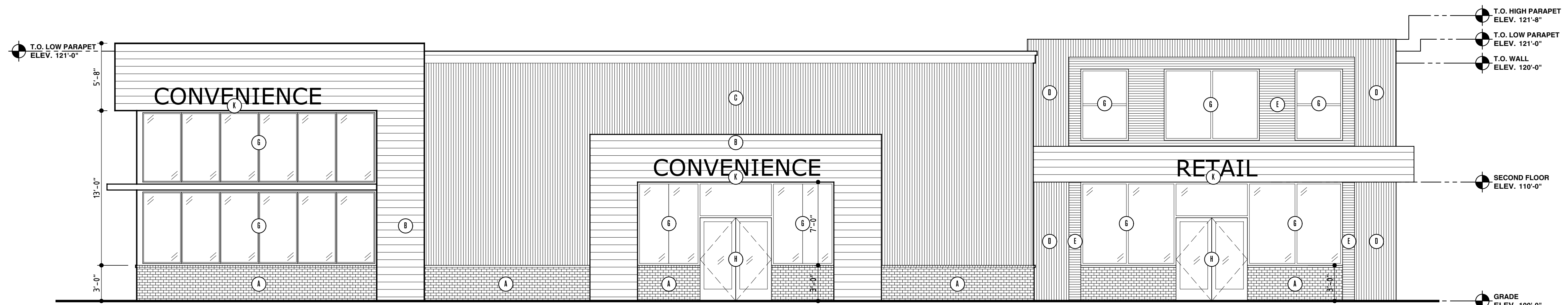


4 North Elevation - Service Station
SCALE: 3/16" = 1'

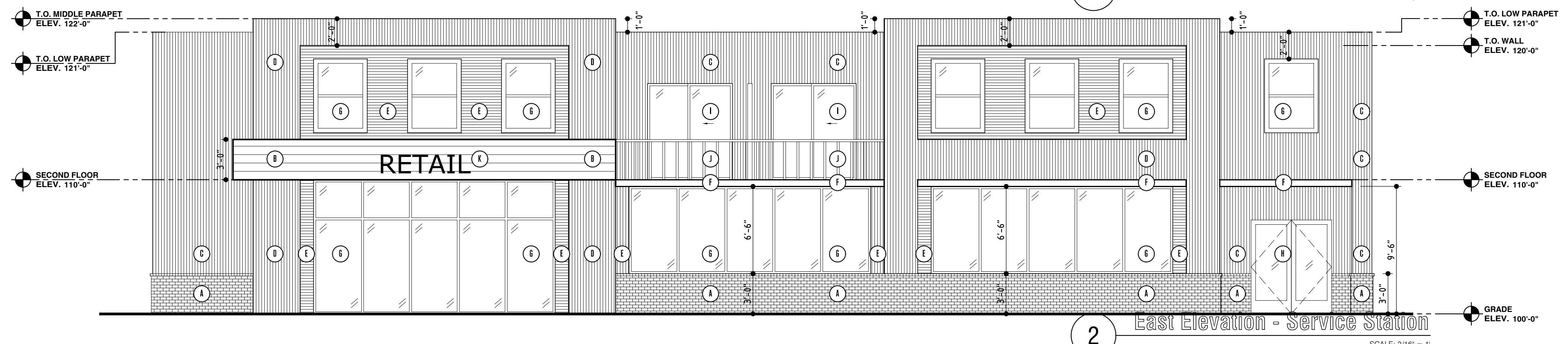
MATERIAL LEGEND

SERVICE STATION

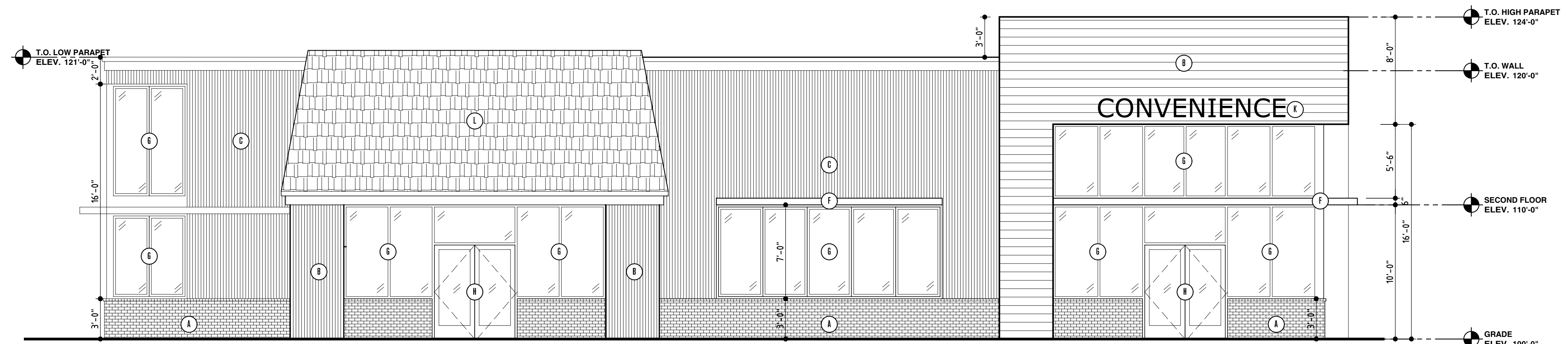
(A)	BRICK - GREY
(B)	METAL PANEL - WOOD LOOK
(C)	METAL PANEL - BROWN
(D)	METAL PANEL - LIGHT GREY
(E)	METAL PANEL - MEDIUM GREY
(F)	METAL AWNING/BALCONY
(G)	GLAZING
(H)	STOREFRONT DOOR
(I)	SLIDING BALCONY DOOR
(J)	METAL RAILING
(K)	PROPOSED RAISED LETTER SIGNAGE
(L)	ASPHALT SHINGLES



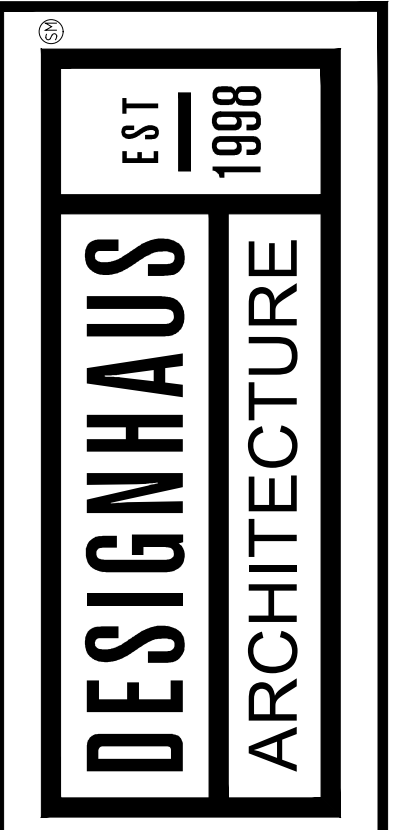
3 South Elevation - Service Station
SCALE: 3/16" = 1'



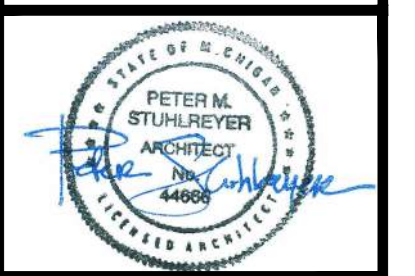
2 East Elevation - Service Station
SCALE: 3/16" = 1'



1 West Elevation - Service Station
SCALE: 3/16" = 1'



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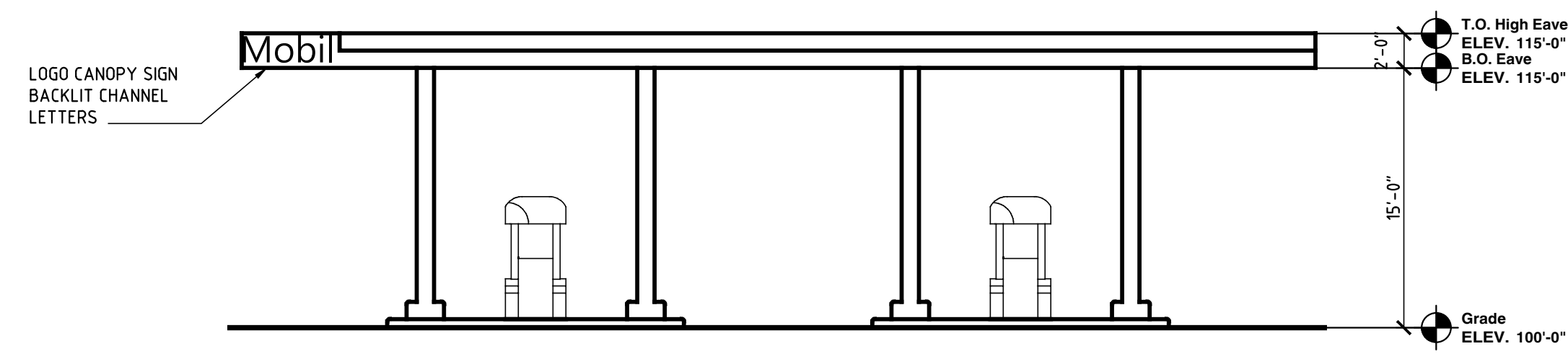


Revision/Issue	Date
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REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

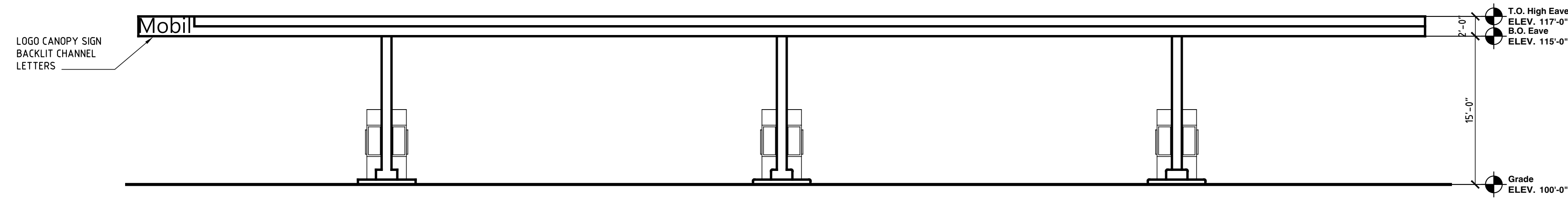
Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

**Building Elevations -
Service Station**

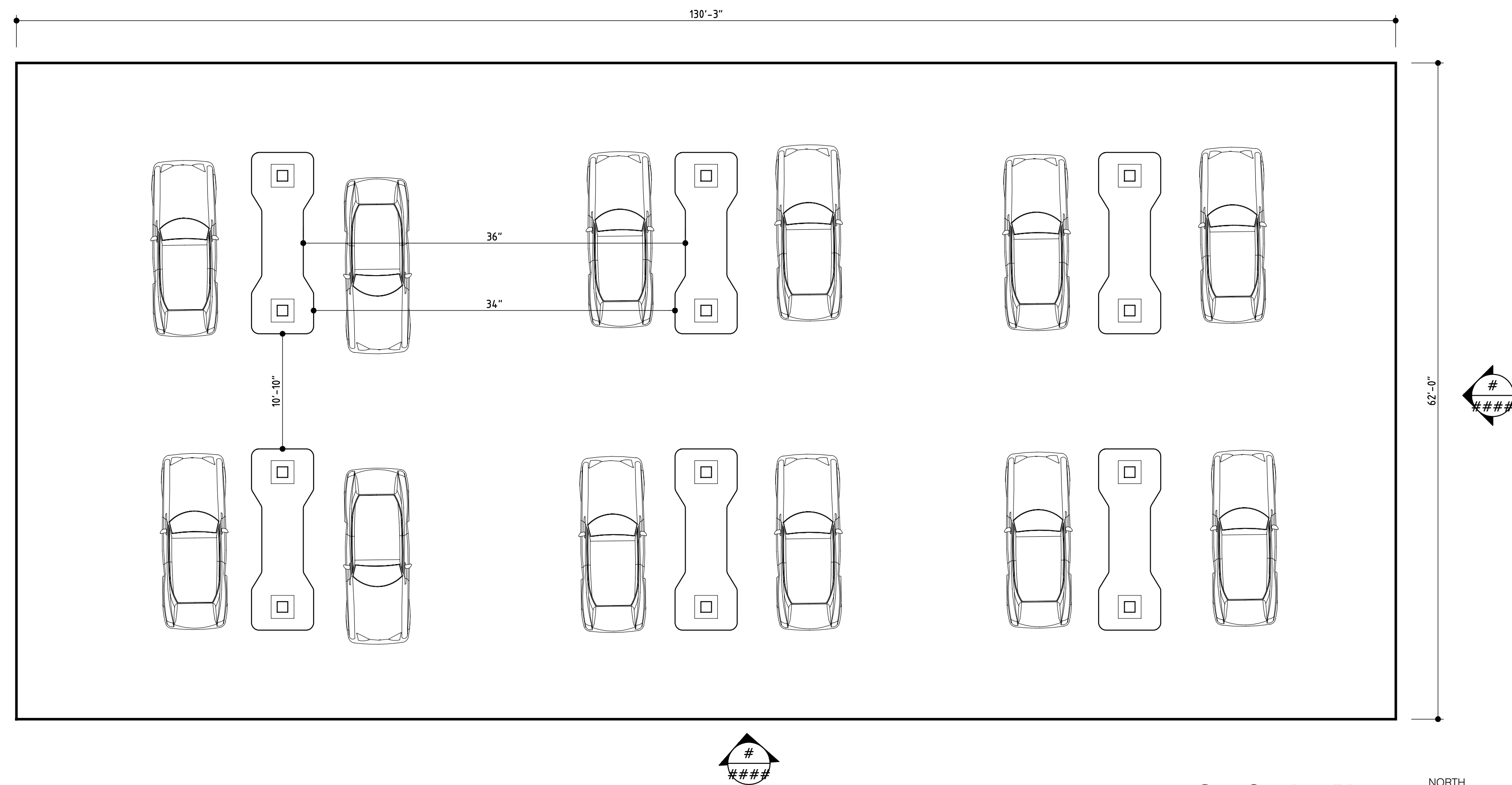
022065
A012



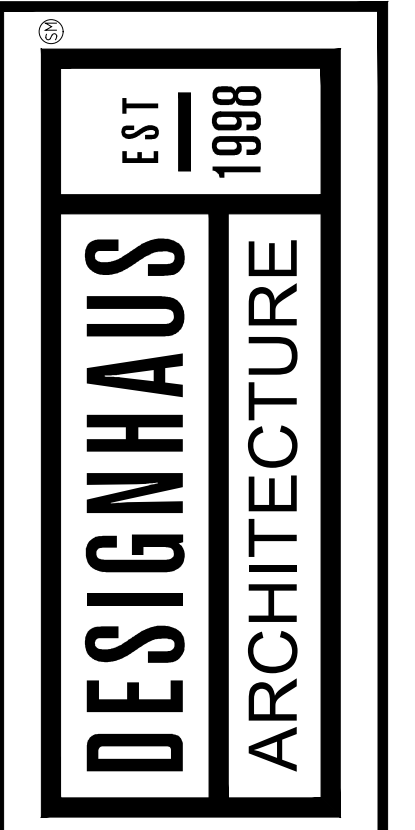
3 South Elevation
SCALE: 1/8" = 1'



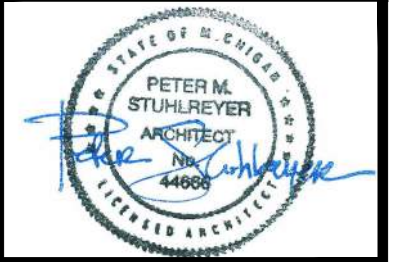
2 West Elevation
SCALE: 1/8" = 1'



1 Gas Station Plan
SCALE: 1/8" = 1'



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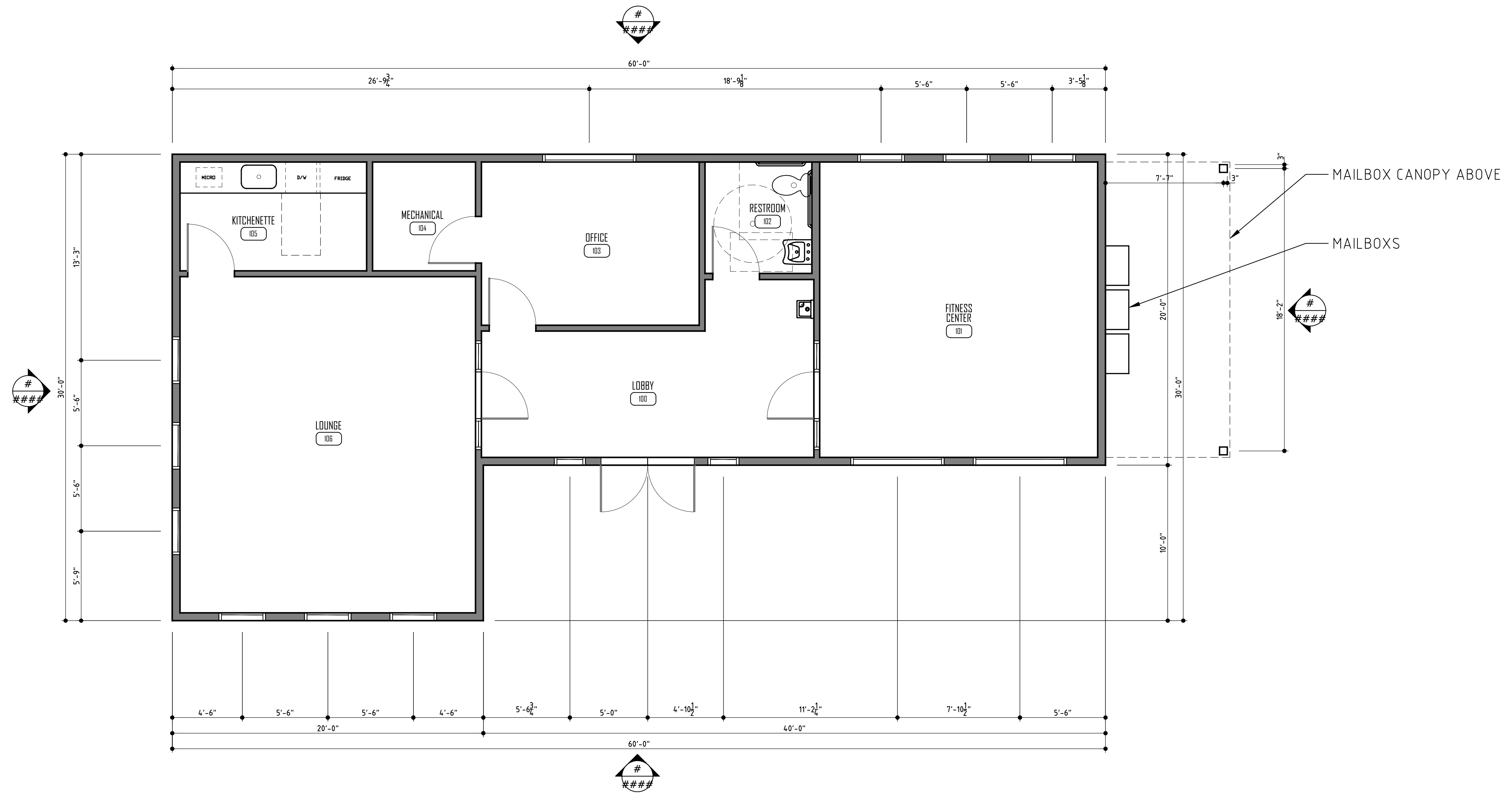


Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

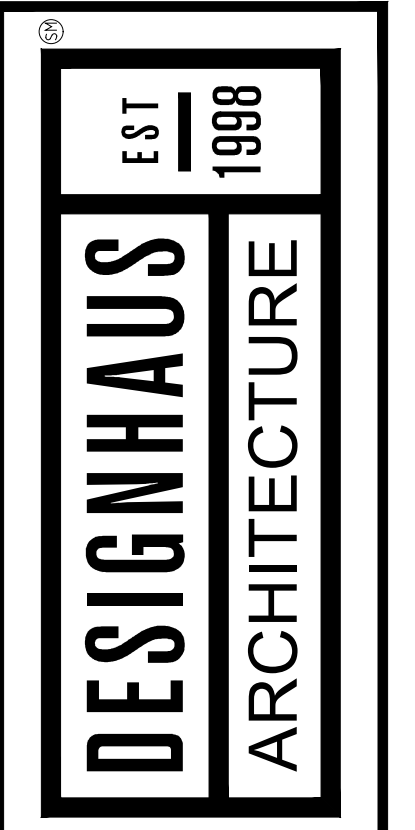
Hamburg Village Townhomes
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Hamburg Twp., MI

Gas Station Plan & Elevations

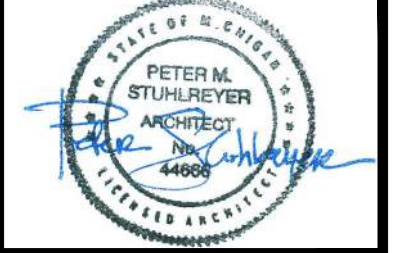
022065
A013



1 Building A - Community Center Fl
 SCALE: 1/4" = 1'
 NORTH



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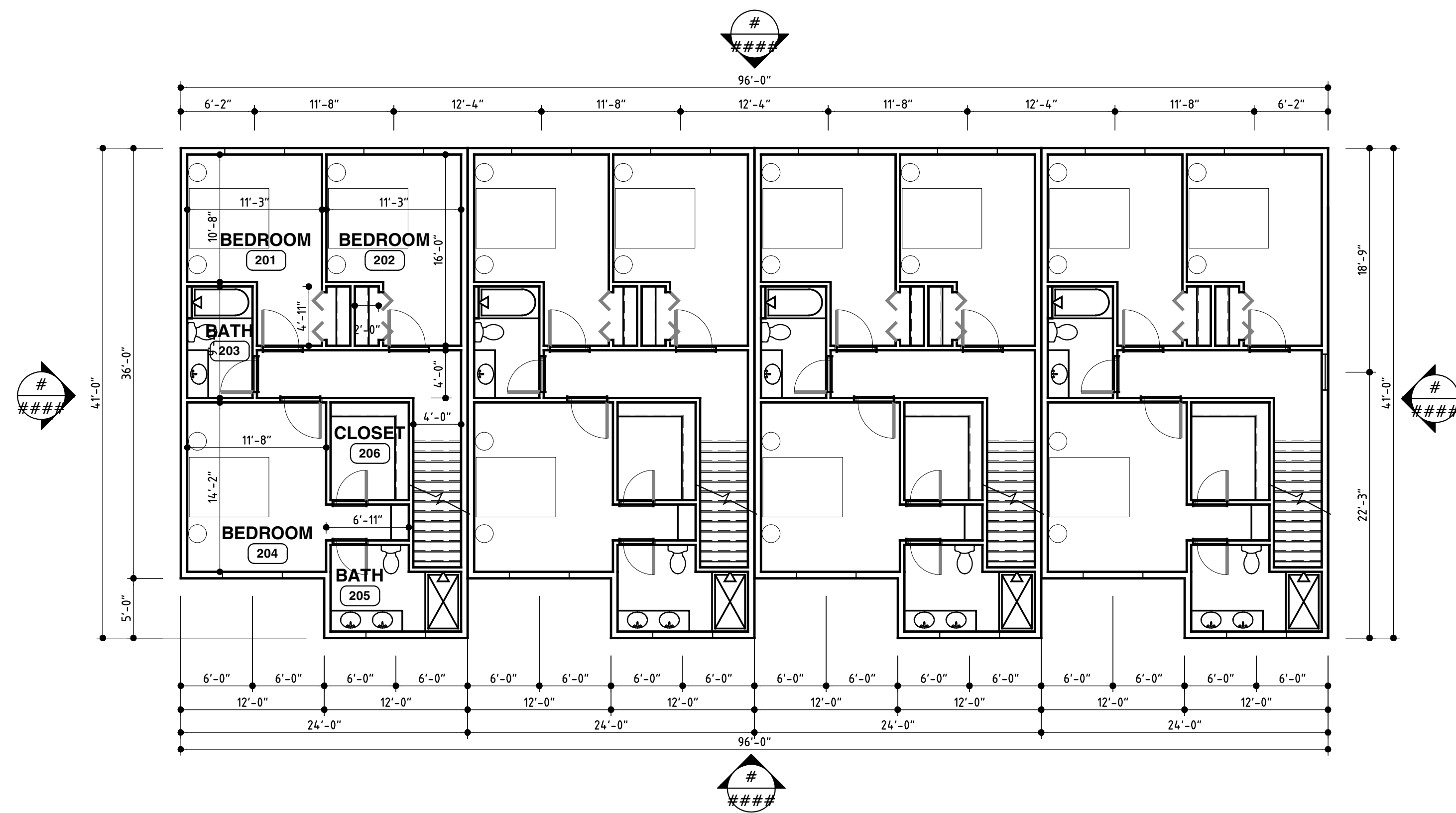


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Hamburg Village Townhomes
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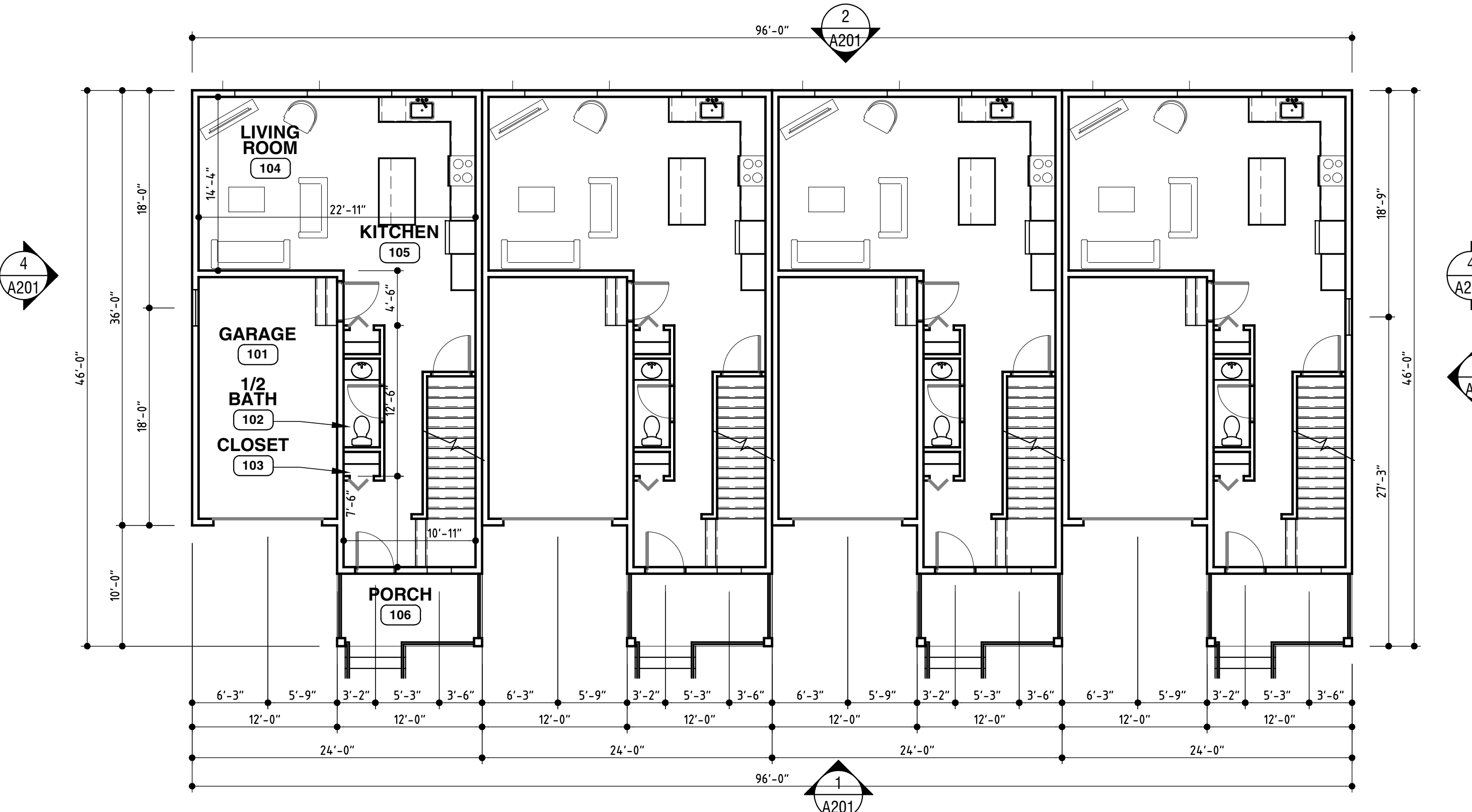
Building A Community Center Floor Plan

022065
A100

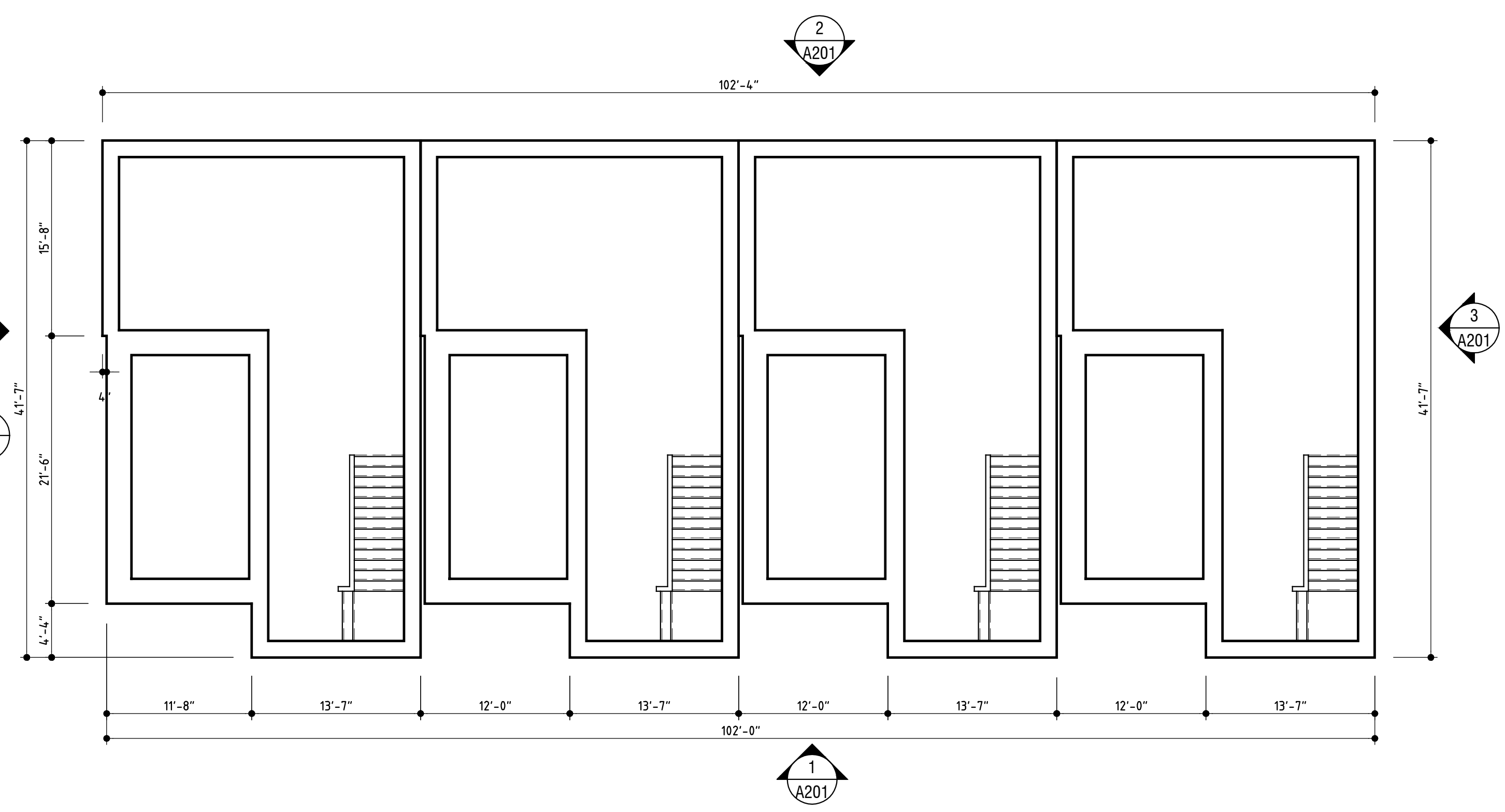


3 Building B C D E F & G Second Floor Plan
SCALE: 1/8" = 1'
NORTH

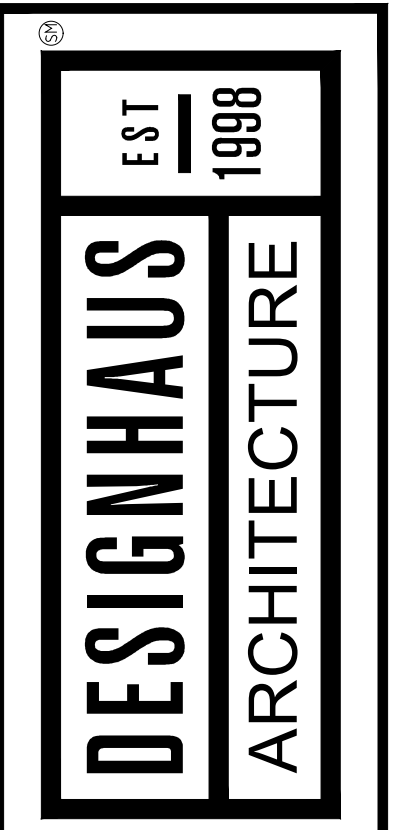
PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GM GAS METER
	WM WATER METER
	EM ELECTRICAL METER
	EP ELECTRICAL PANEL
	EX EXISTING TO REMAIN
	WH WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID
	LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EX EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
	NL NIGHT LIGHT



2 Building B C D E F & G First Floor Plan
SCALE: 1/8" = 1'
NORTH



1 Building B C D E F & G Basement Plan
SCALE: 1/8" = 1'
NORTH



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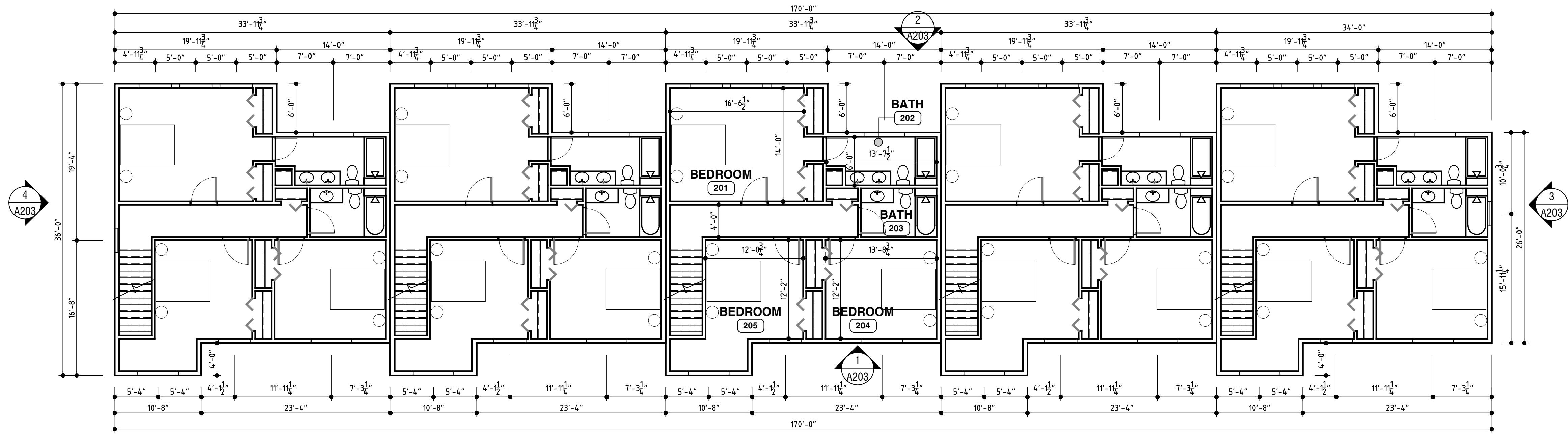


Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
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Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

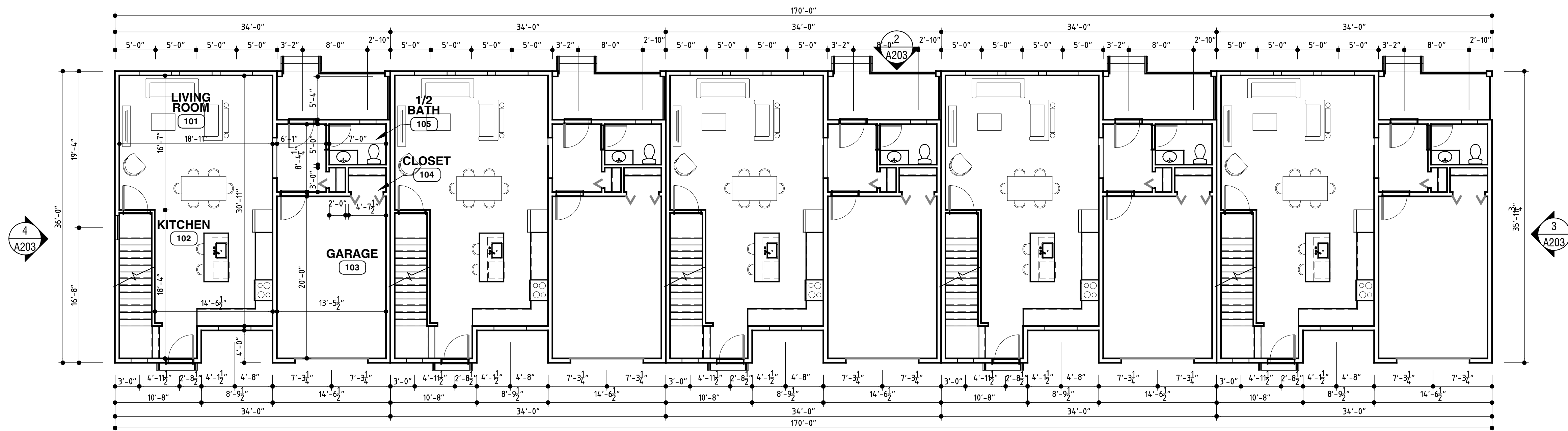
Building B C D E
F & G Floor Plans

022065
A101

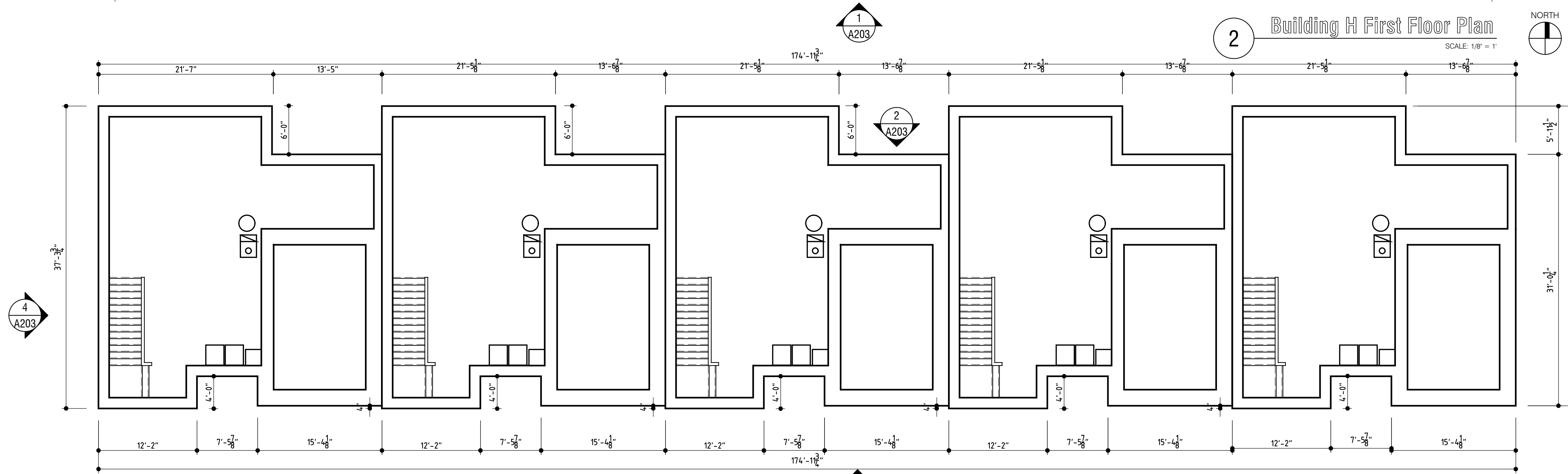


3 Building H Second Floor Plan
SCALE: 1/8" = 1'

PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GM GAS METER
	WM WATER METER
	EM ELECTRICAL METER
	EP ELECTRICAL PANEL
	EX EXISTING TO REMAIN
	WH WATER HEATER
	SS SERVICE SINK
	SUMP
	DT DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EX EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
	NL NIGHT LIGHT



2 Building H First Floor Plan
SCALE: 1/8" = 1'



1 Building H Basement Plan
SCALE: 1/8" = 1'



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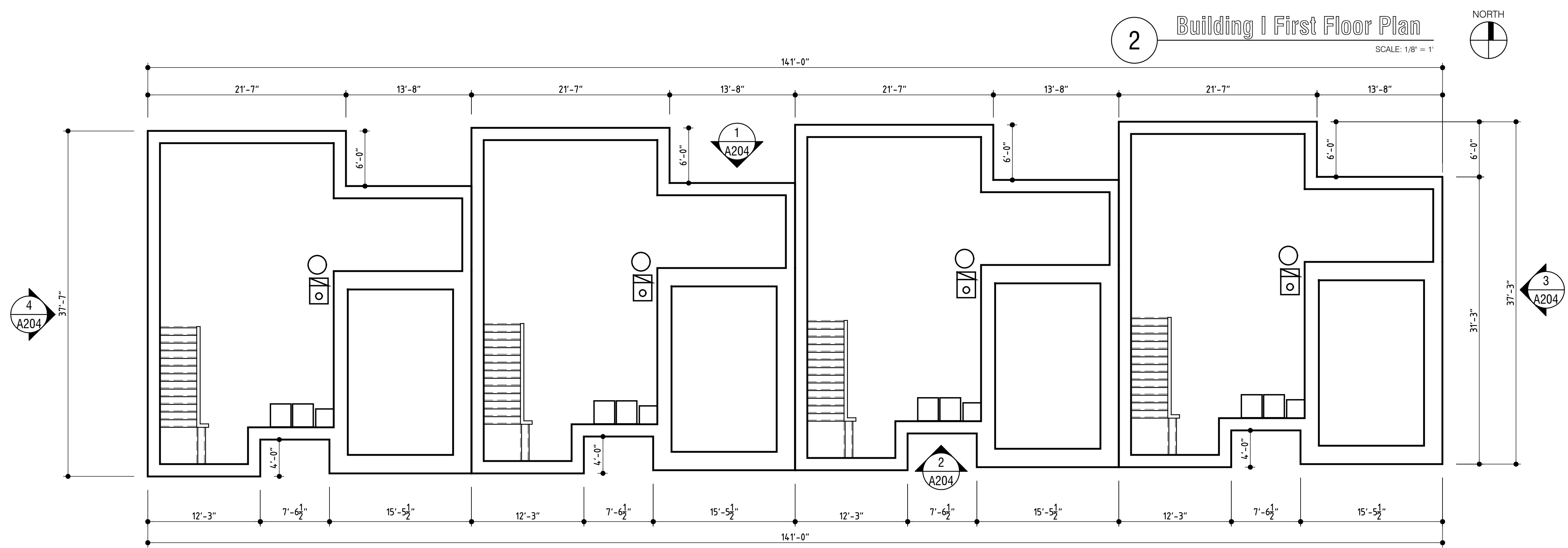
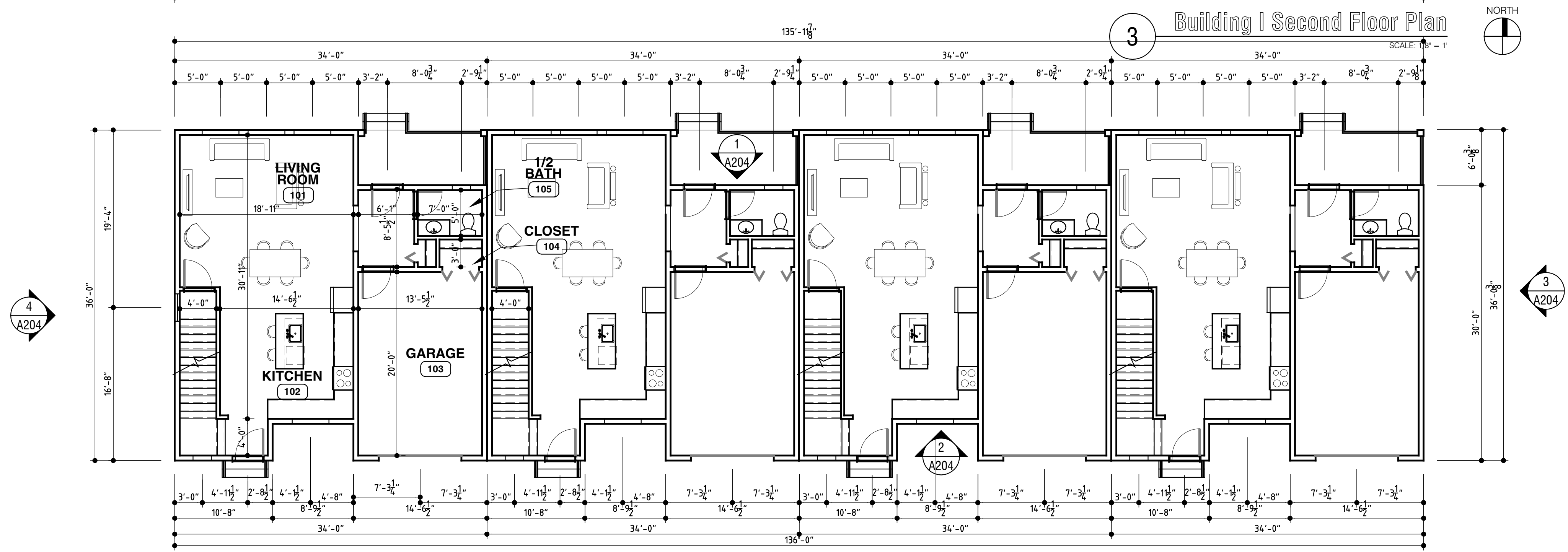
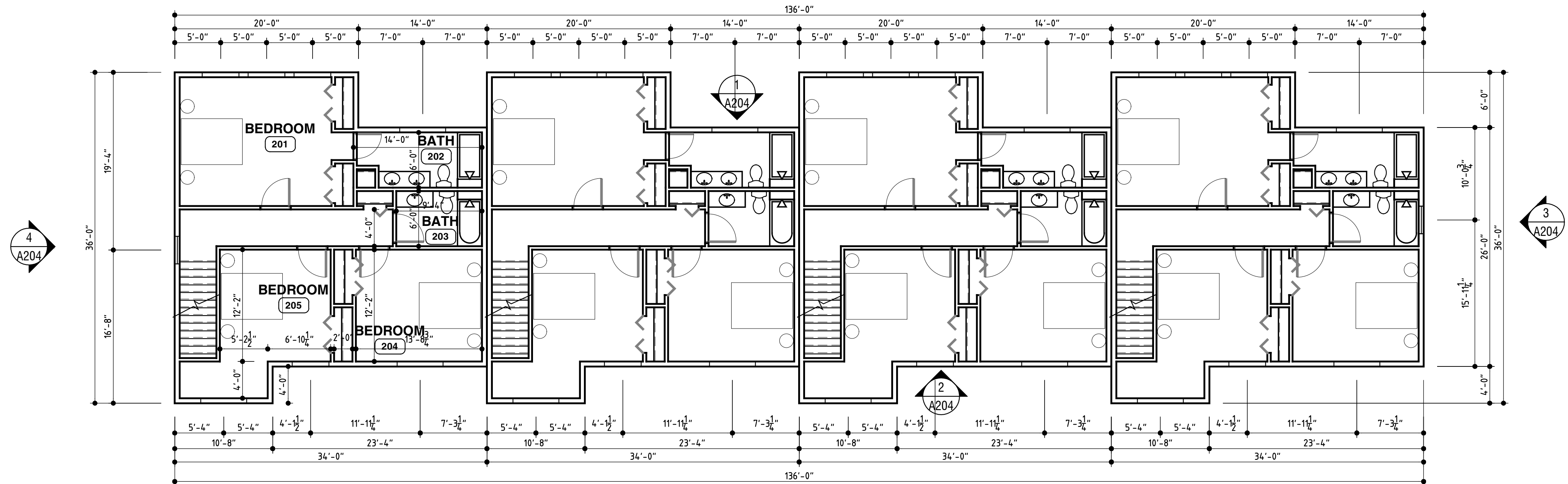


Revision/Issue	Date
Final PUD	03.08.24
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REV Preliminary PUD	11.17.23
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PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Building H Floor Plans

022065
A103



PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GAS METER
	WATER METER
	ELECTRICAL METER
	ELECTRICAL PANEL
	EXISTING TO REMAIN
	WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID
	LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
	NIGHT LIGHT

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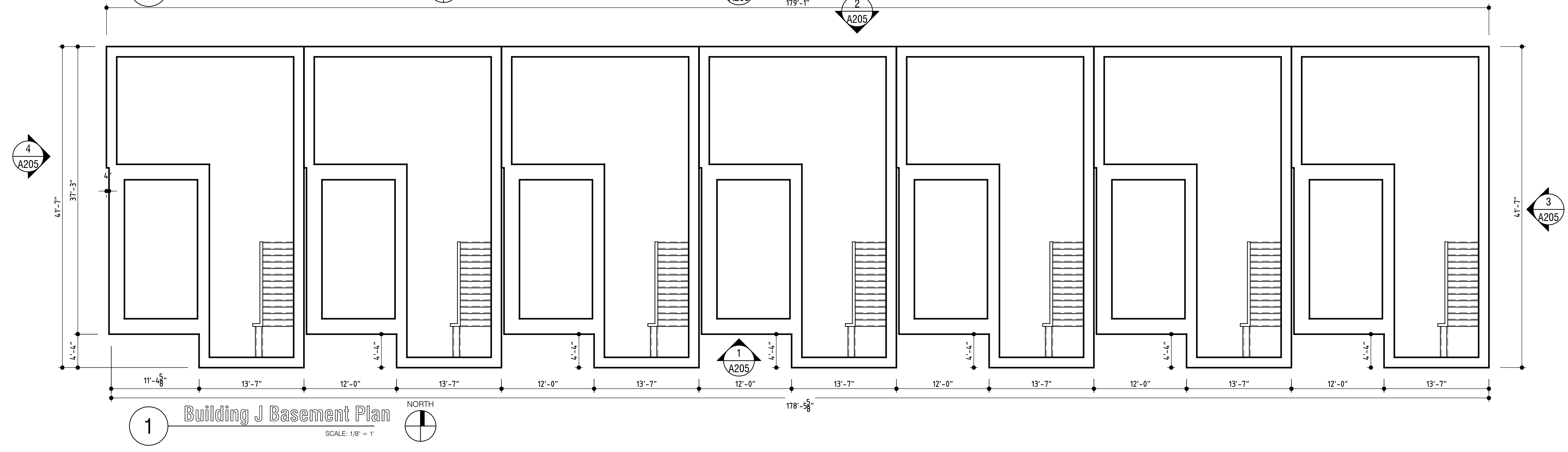
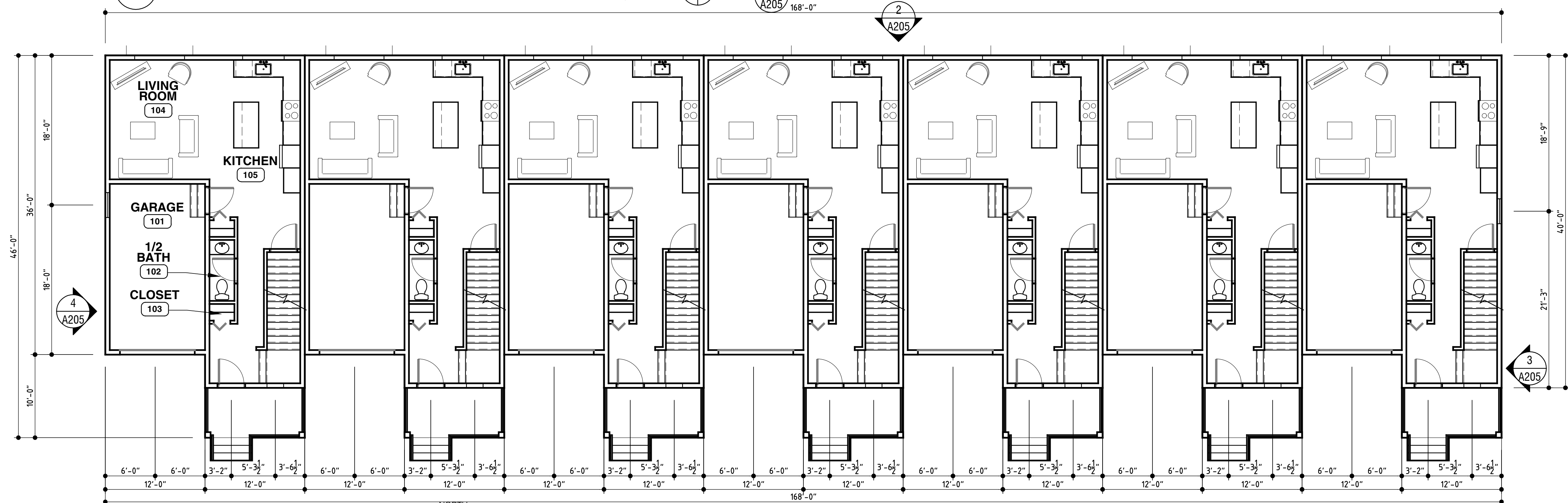
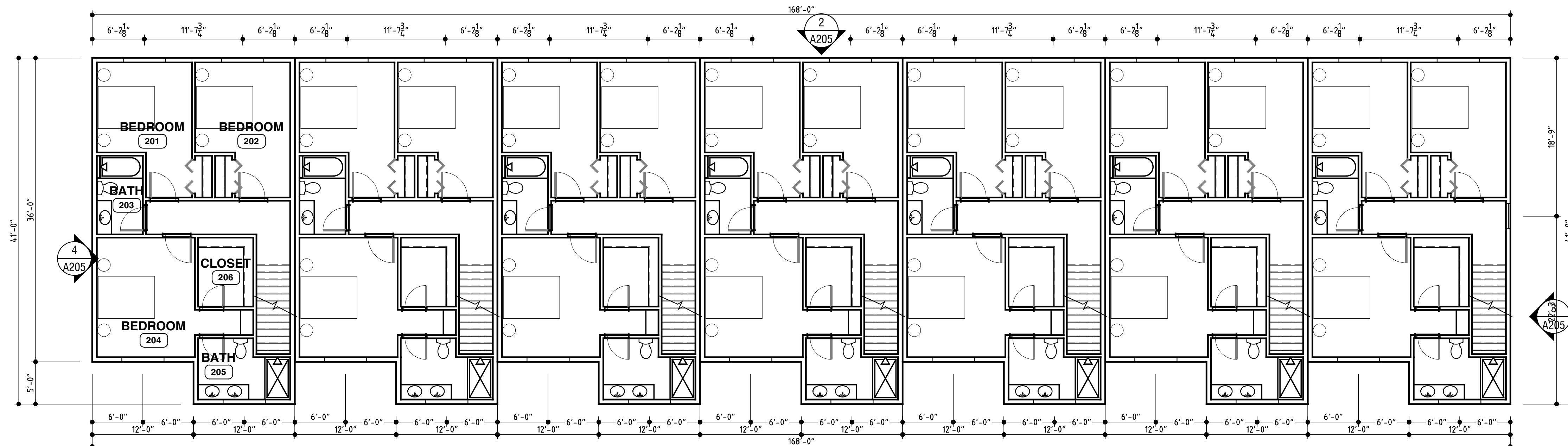


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PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

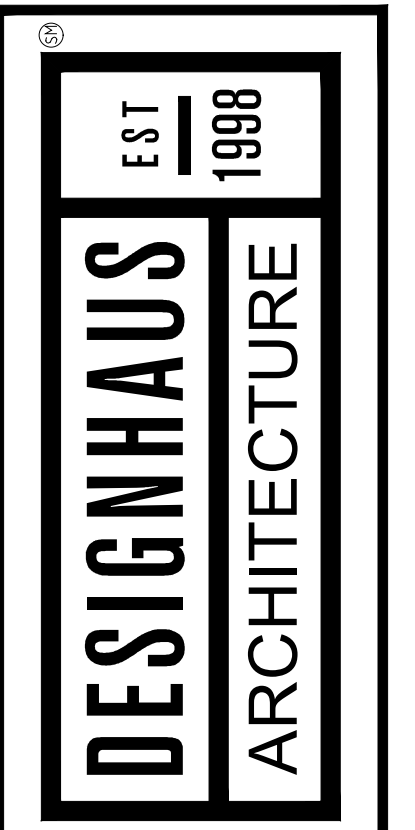
Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Building I Floor Plans

022065
A104



PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GAS METER
	WATER METER
	ELECTRICAL METER
	ELECTRICAL PANEL
	EXISTING TO REMAIN
	WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID
	LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
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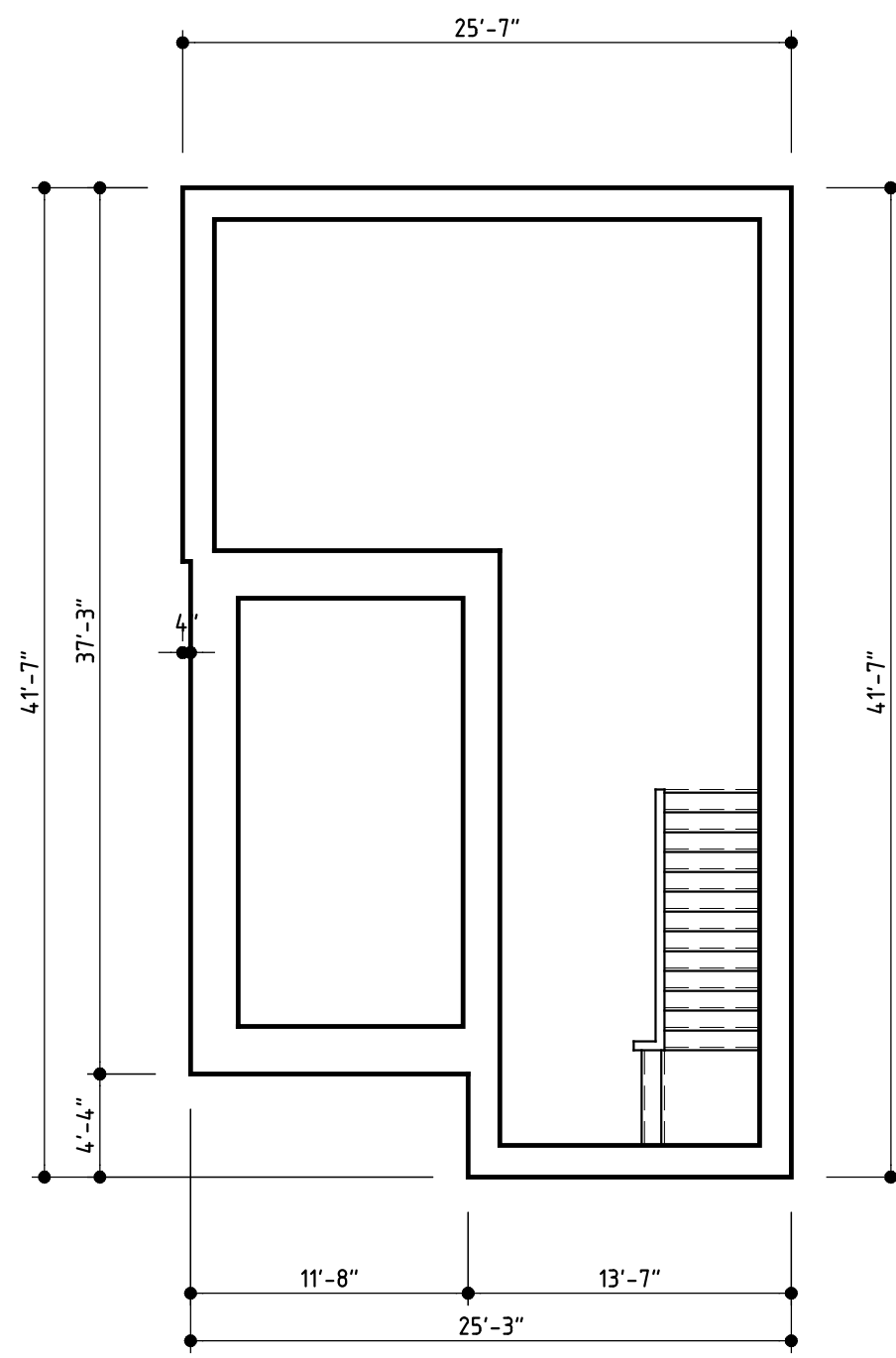


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PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

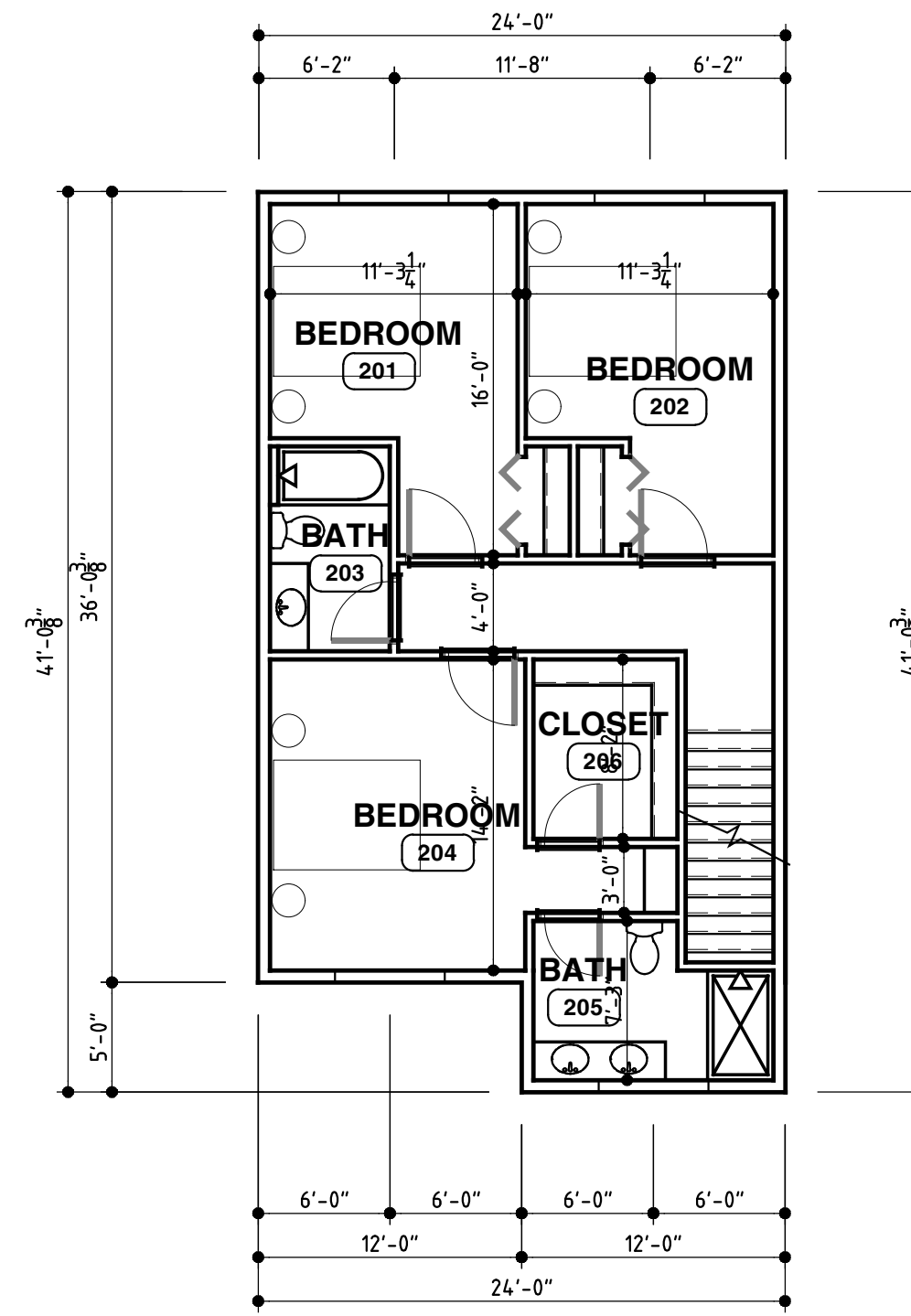
Hamburg Village Townhomes
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Building J Floor Plans

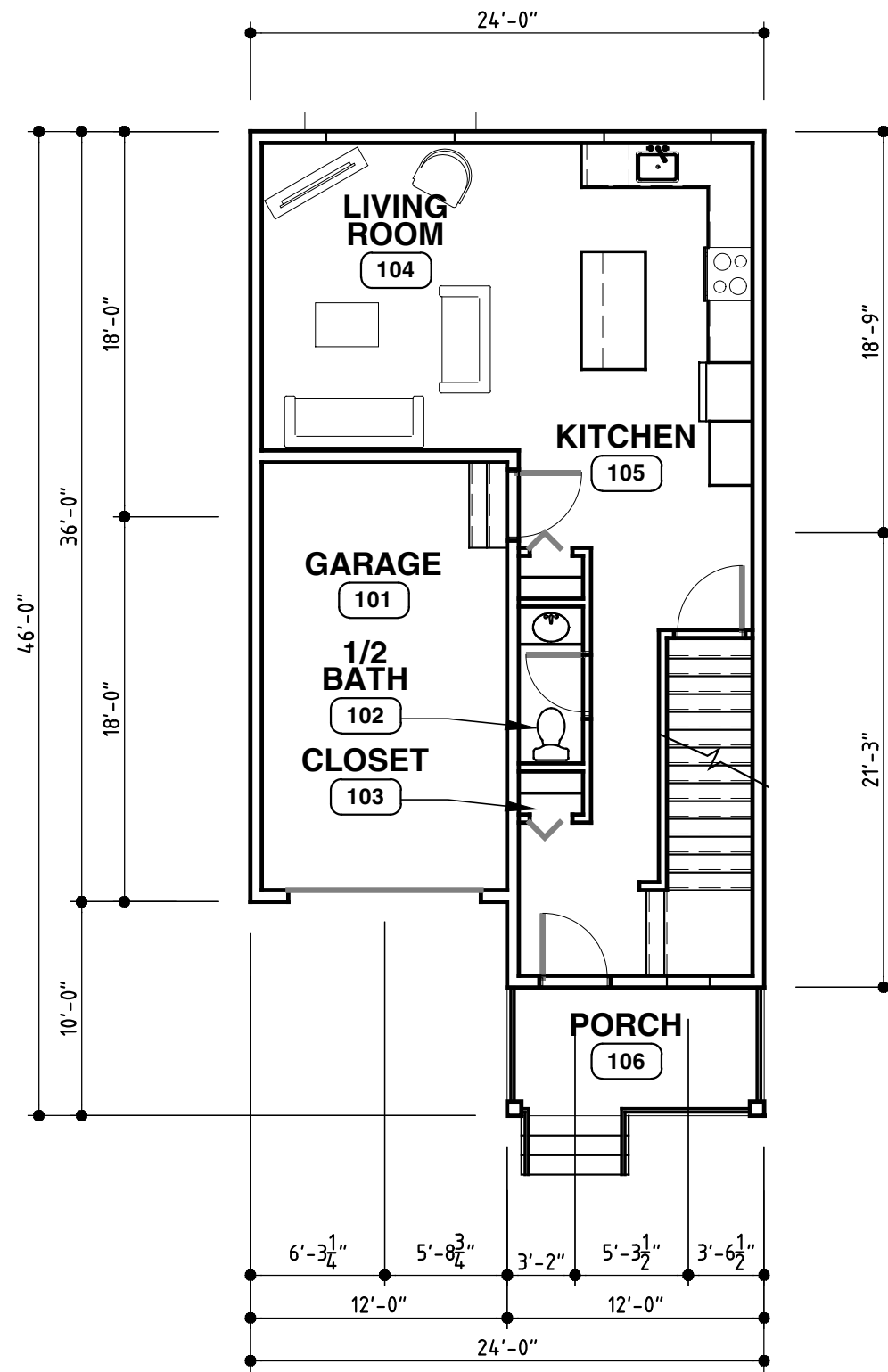
022065
A105



1 Typical Unit A - Building B,C,D,E,F,G - Basement Plan
1/8" = 1'-0" NORTH



3 Typical Unit A - Building B,C,D,E,F,G - 2ND Floor
1/8" = 1'-0" NORTH

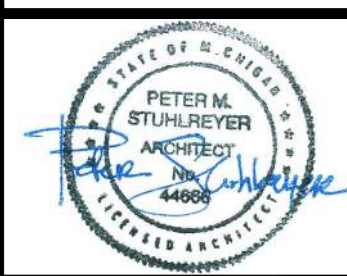


1 Typical Unit A - Building B,C,D,E,F,G - 1ST Floor
1/8" = 1'-0" NORTH

MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GAS METER
	WATER METER
	ELECTRICAL METER
	ELECTRICAL PANEL
	EXISTING TO REMAIN
	WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
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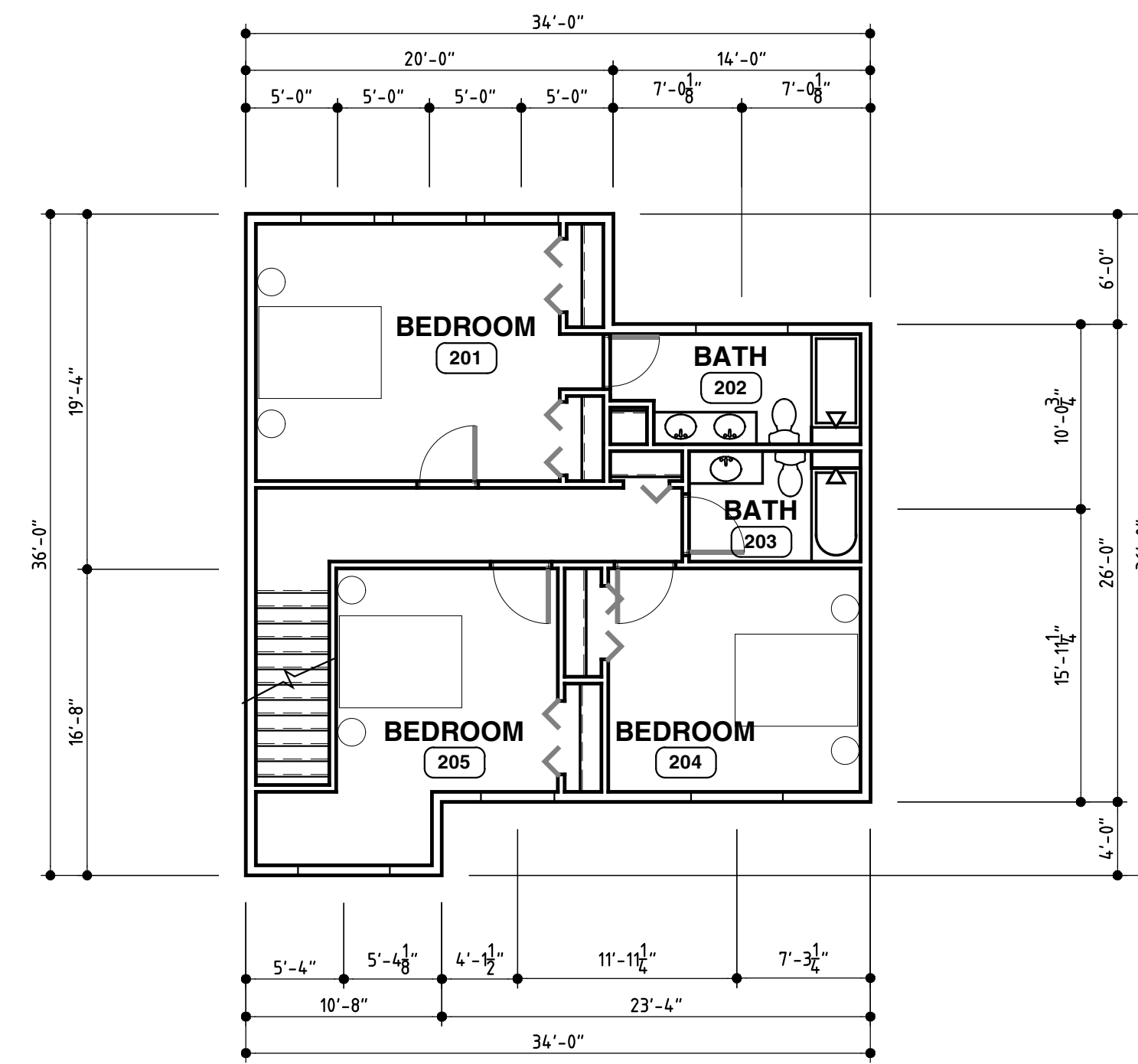


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Hamburg Village Townhomes
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Typical Overall Plans -
Buildings B, C, D, E, F
& G

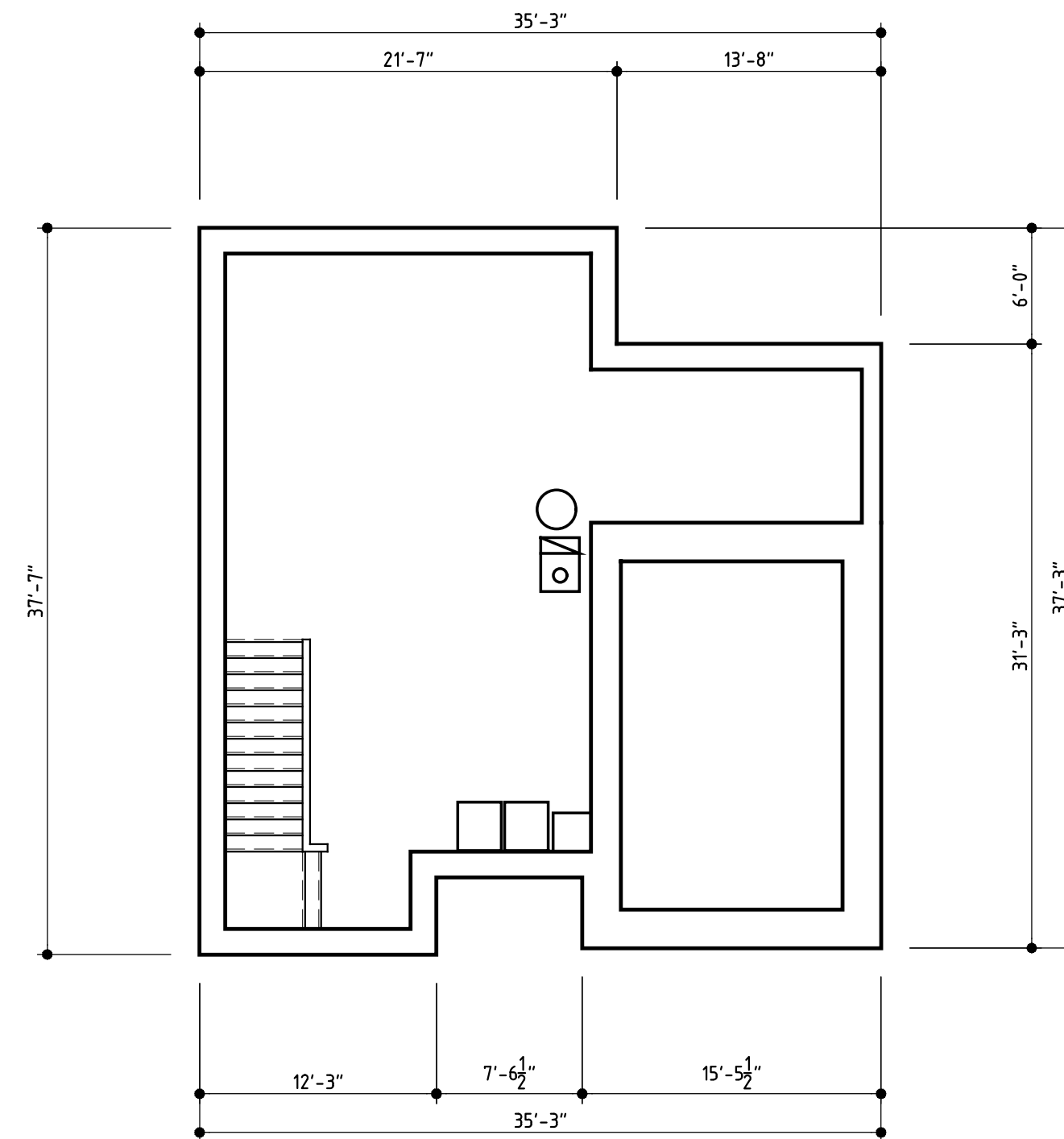
022065
A106



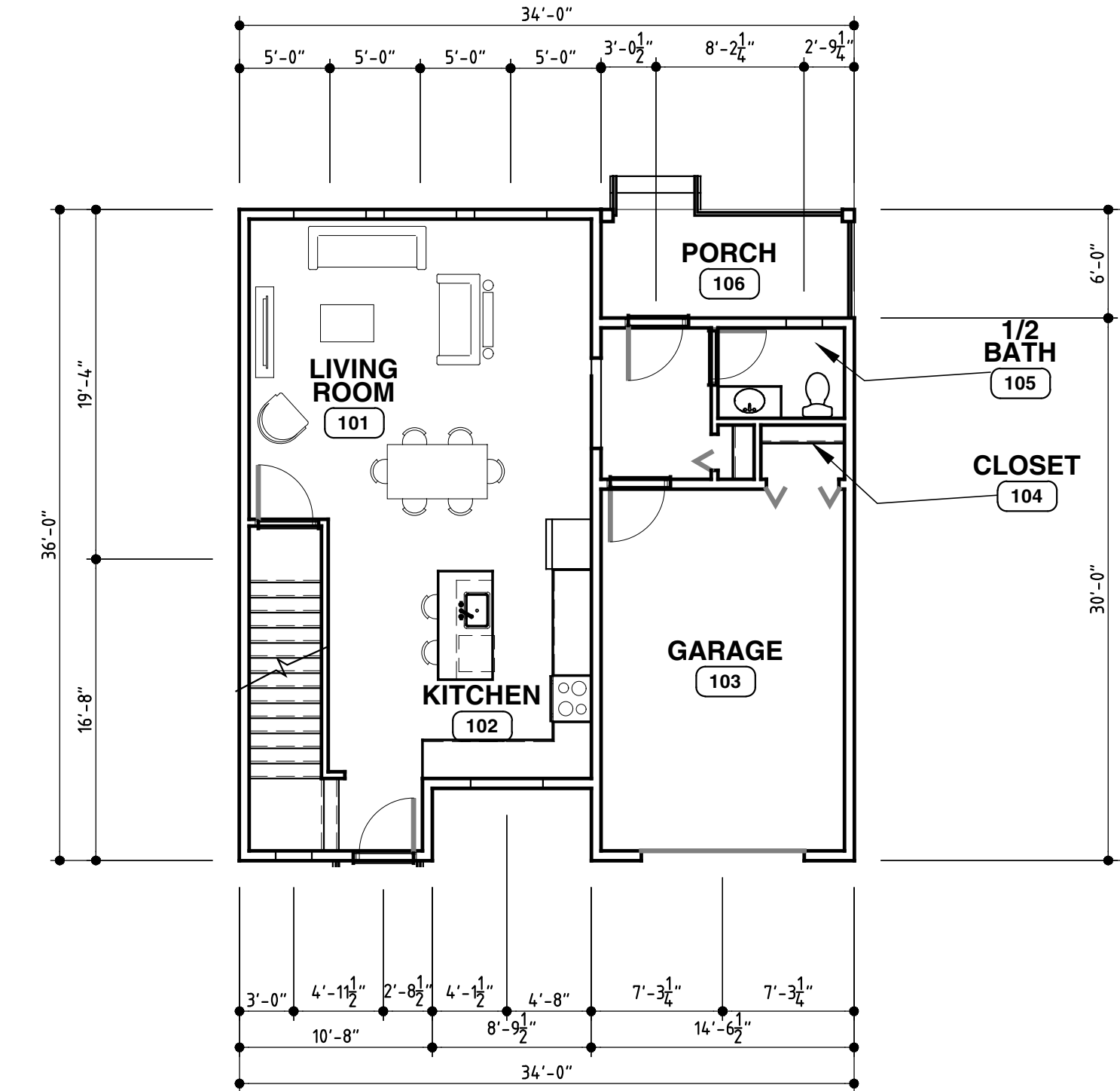
3 Typical Unit B - Building I, H - 2ND Floor
SCALE: 1/8" = 1'



PLAN LEGEND	
MARK	DESCRIPTION
	EXISTING DOOR & FRAME - TO REMAIN SEE DOOR SCHEDULE
	NEW DOOR SEE DOOR SCHEDULE
	EXISTING WALL
	INTERIOR WALL
	CONSTRUCTION ABOVE
	GAS METER
	WATER METER
	ELECTRICAL METER
	ELECTRICAL PANEL
	EXISTING TO REMAIN
	WATER HEATER
	SERVICE SINK
	SUMP
	DOOR TAG
	LAY-IN CEILING TILE SEE FINISH SCHEDULE
	NEW 2x4 SUSPENDED CEILING GRID
	LAY-IN LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN WITH EMERGENCY LIGHT
	EXIT LIGHT
	EXISTING FIXTURE - TO REMAIN
	RECESSED CAN LIGHTS
	LED TRACK LIGHTS
	NIGHT LIGHT



1 Typical Unit B - Building I, H - Basement Plan
SCALE: 1/8" = 1'



2 Typical Unit B - Building I, H - 1ST Floor
SCALE: 1/8" = 1'



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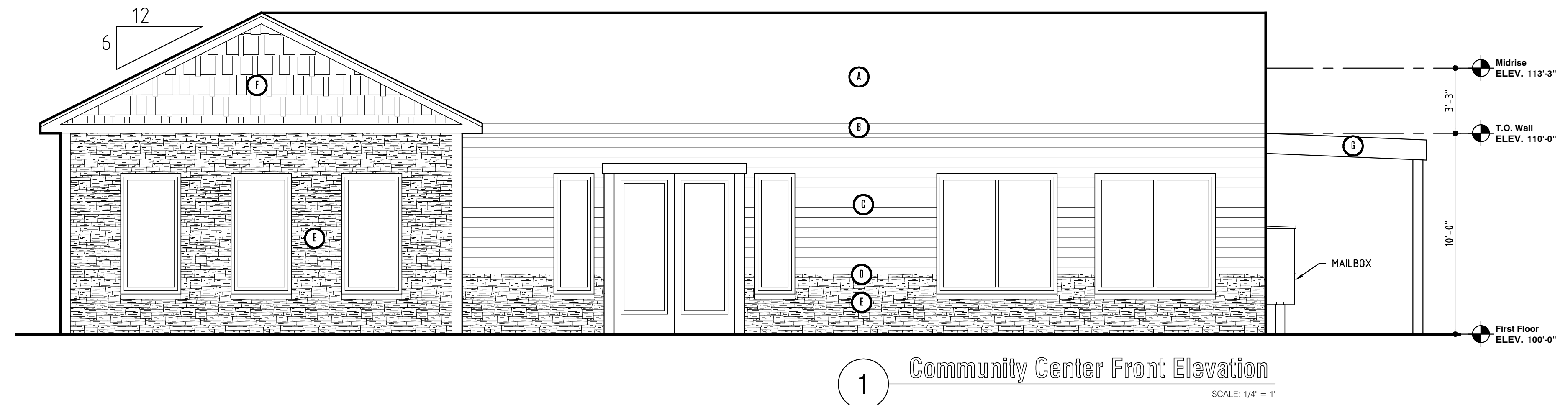
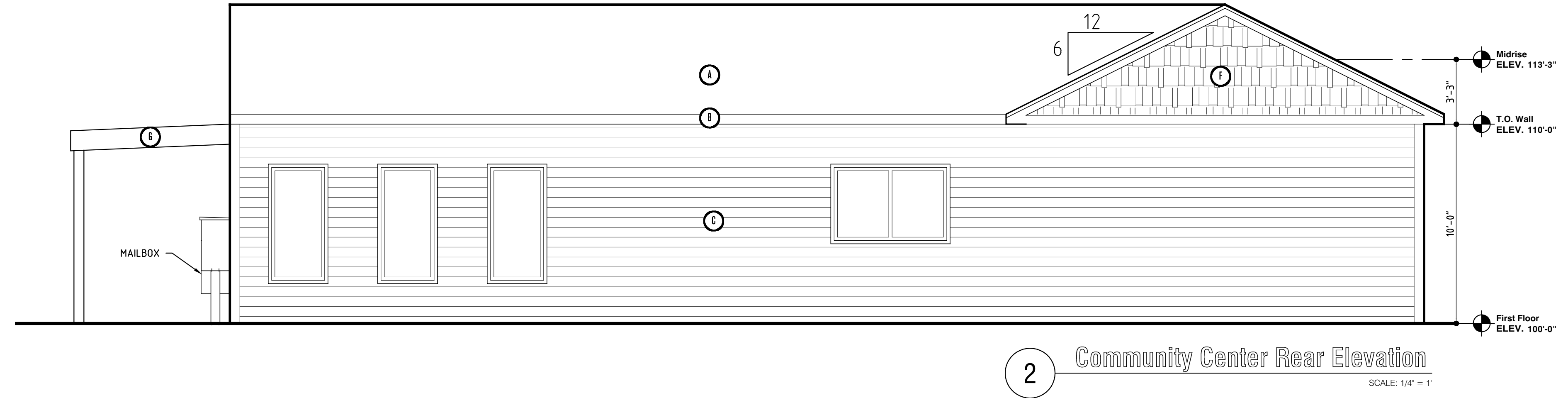
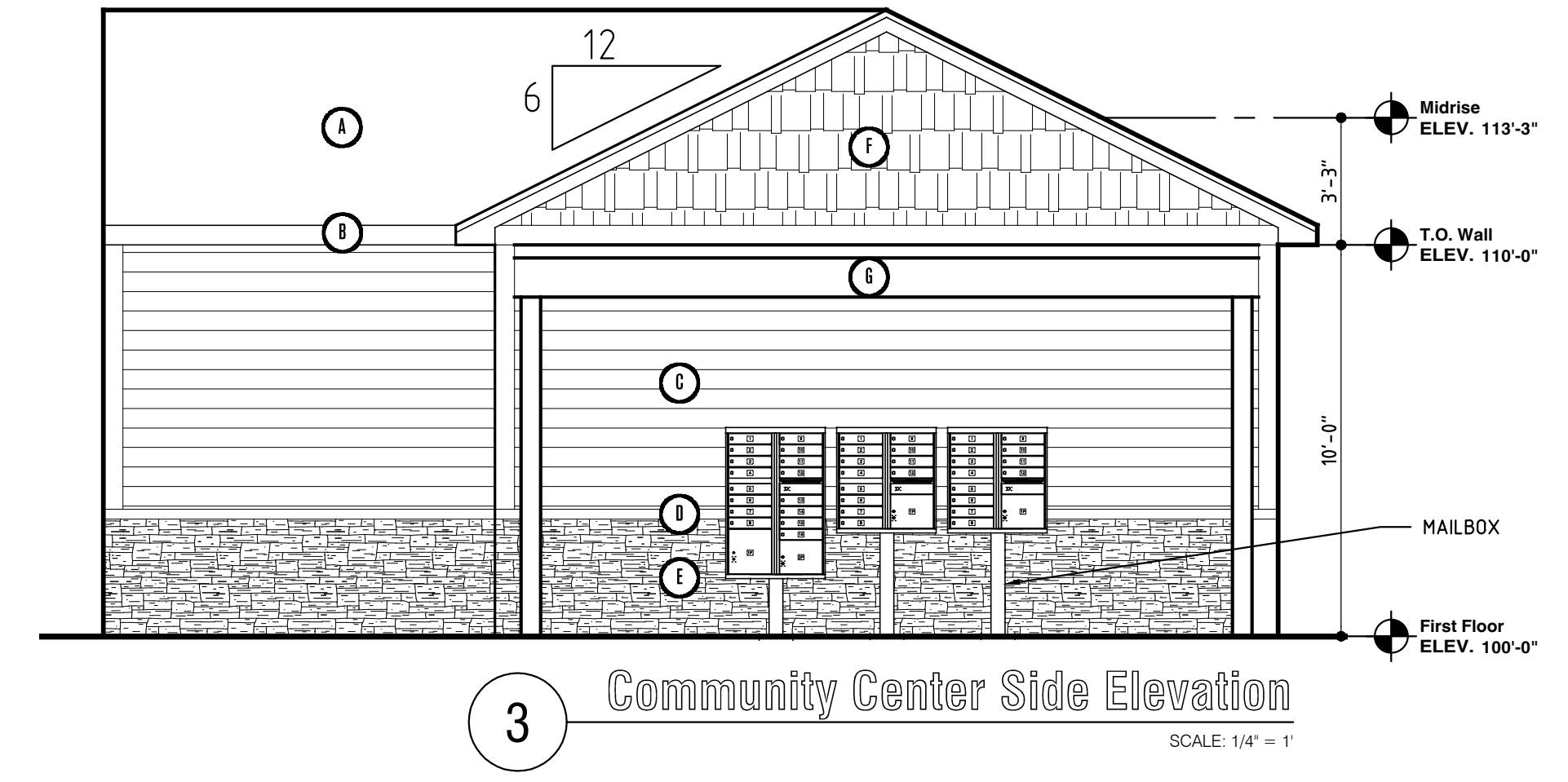
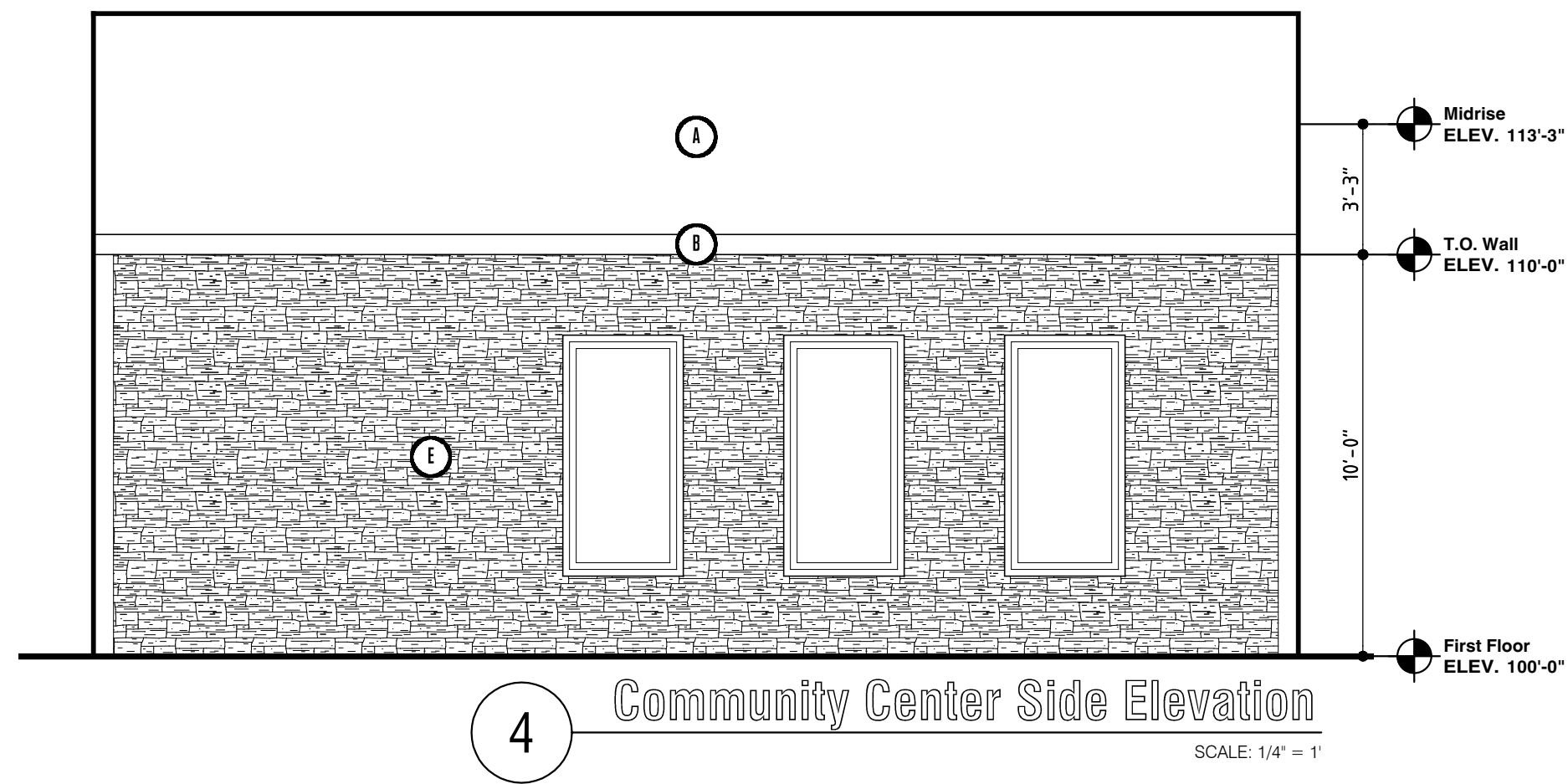
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Hamburg Village Townhomes
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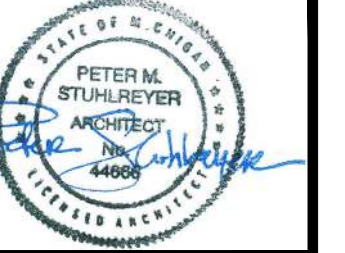
Typical Unit B Plans -
Buildings H & I

022065
A107

MATERIALS	
SYMBOL	SPECIFICATIONS
(A)	DIMENSIONAL ASPHALT SHINGLES
(B)	FASCIA
(C)	LAP SIDING
(D)	STONE WATERTABLE W/ DRIP EDGE
(E)	STONE VENEER
(F)	SHAKE SIDING
(G)	METAL CANOPY
(H)	STUCCO



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AUBURN HILLS, MI 48326
T:248.601.4422 F:248.453.5854
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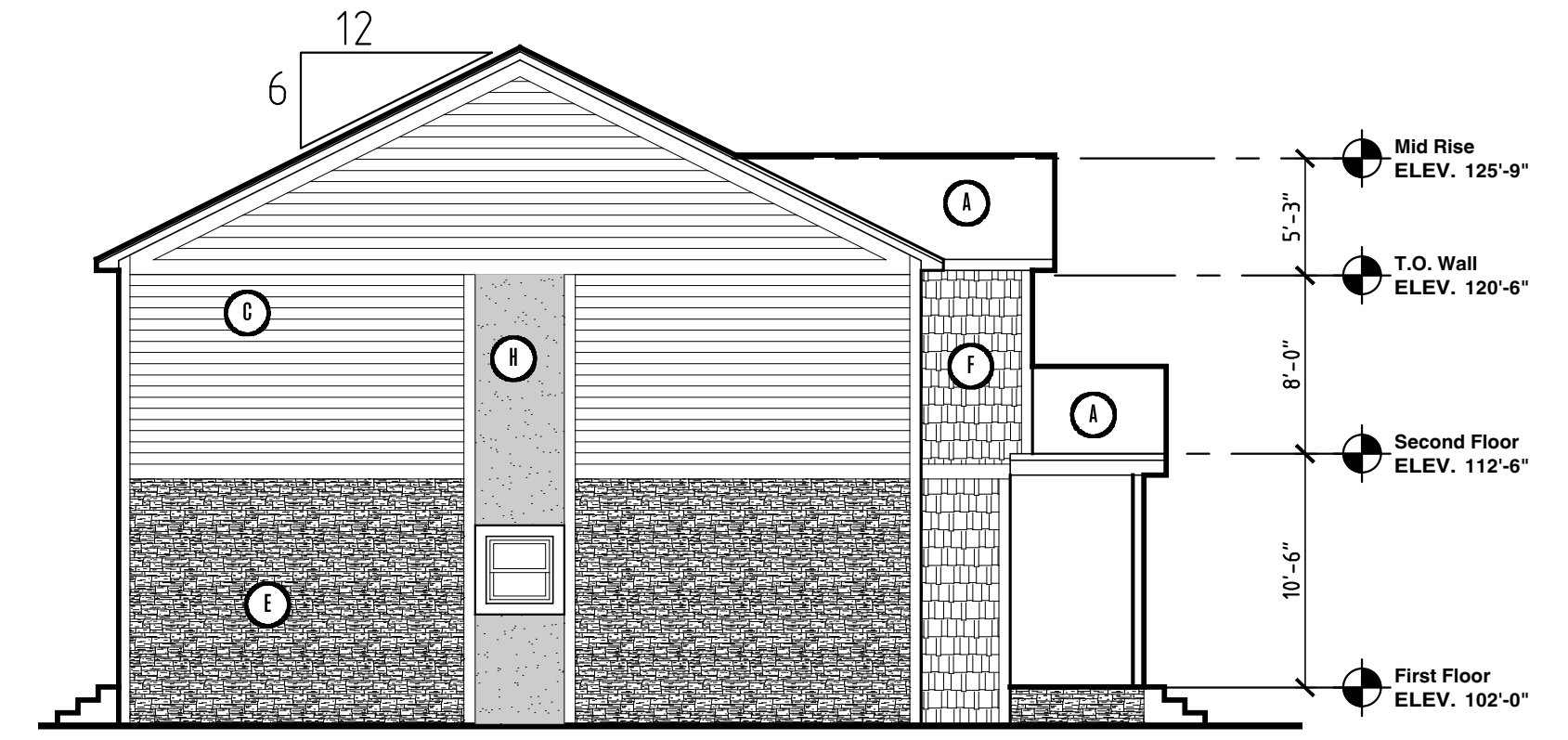
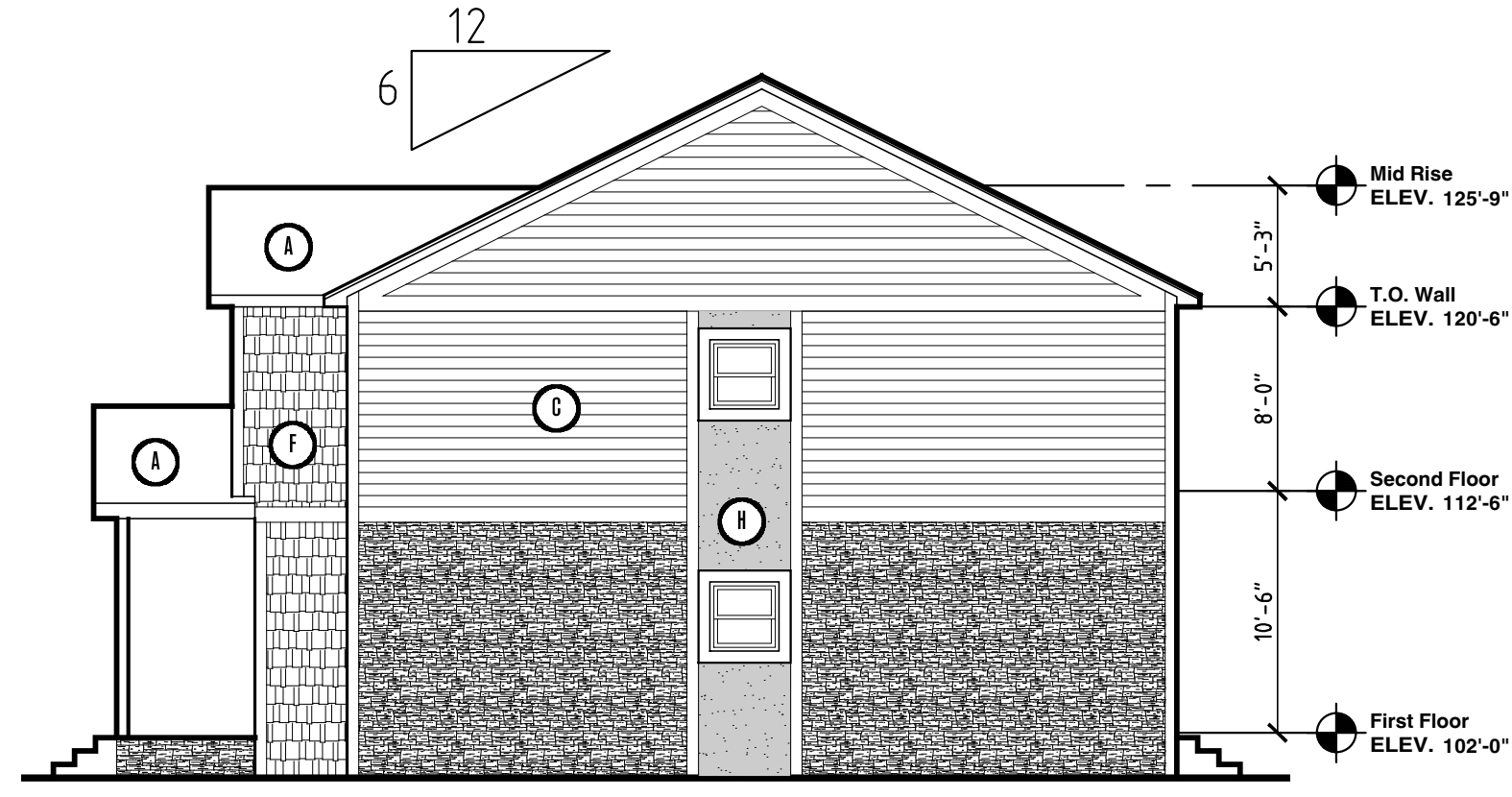
Revision/Issue	Date
Final PUD	03.08.24
REV Preliminary PUD	01.19.24
REV Preliminary PUD	11.17.23
PUD Preliminary SP	7.24.23
PUD Preliminary Rev	5.27.22

Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
Hamburg Twp., MI

Building A Elevations

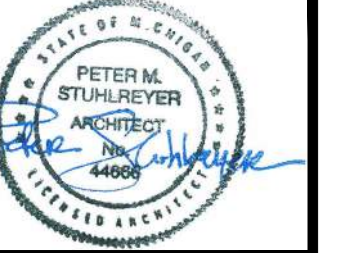
022065
A200

MATERIALS	
SYMBOL	SPECIFICATIONS
(A)	DIMENSIONAL ASPHALT SHINGLES
(B)	FASCIA
(C)	LAP SIDING
(D)	STONE WATERTABLE W/ DRIP EDGE
(E)	STONE VENEER
(F)	SHAKE SIDING
(G)	METAL CANOPY
(H)	STUCCO



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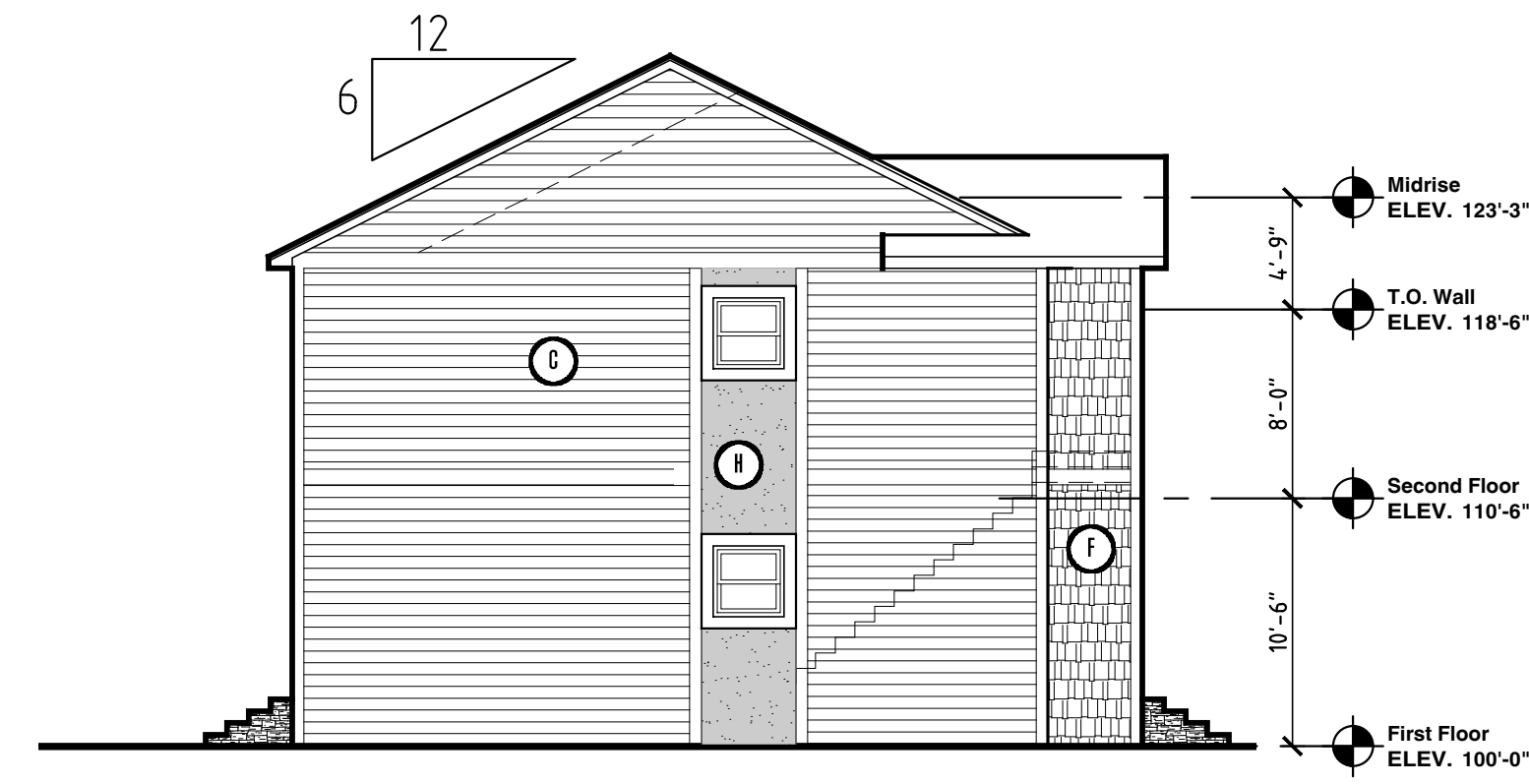
Hamburg Village Townhomes
7620 and 10303 Hamburg Rd.
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**Building B C D E F
& G Elevations**

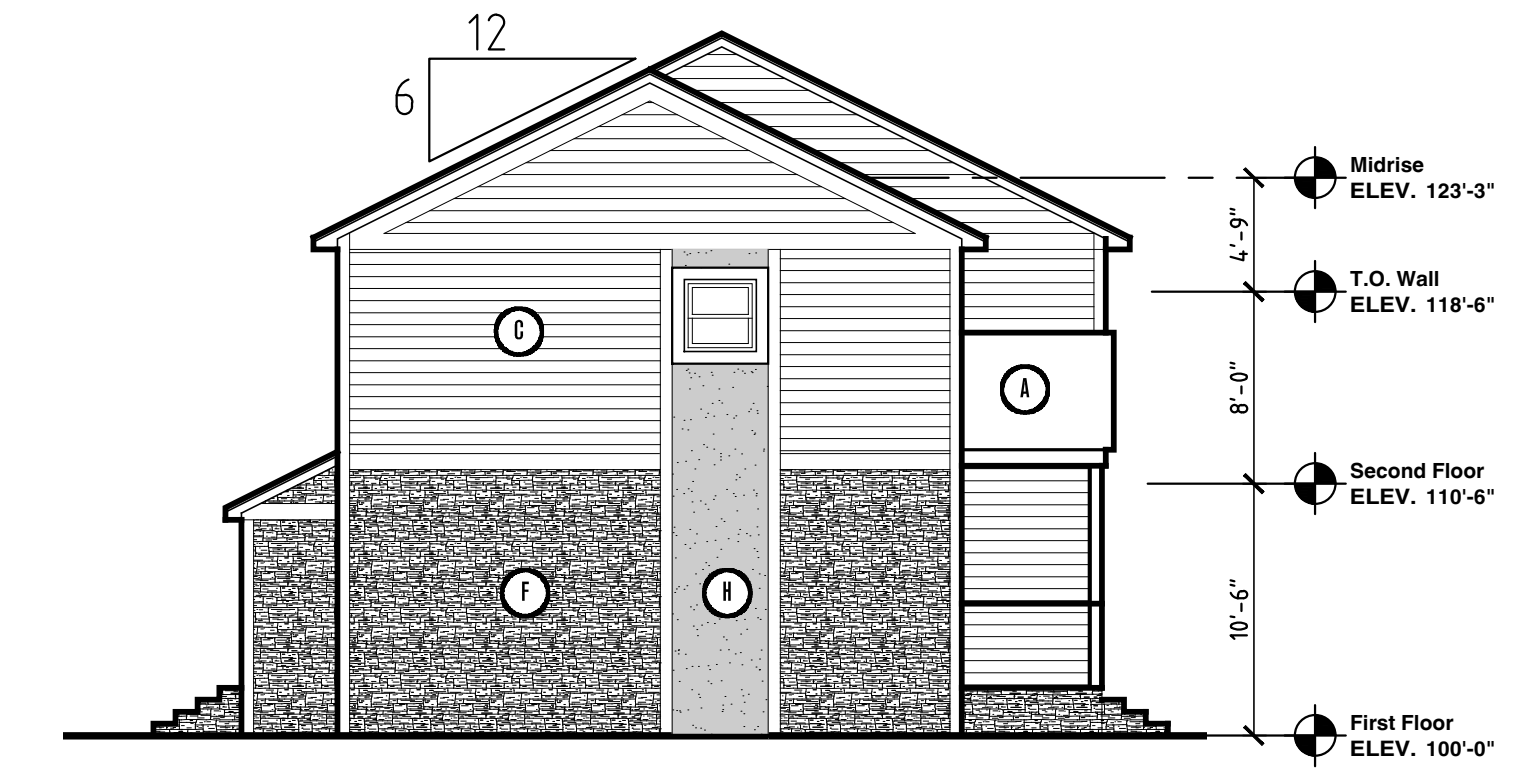
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A201

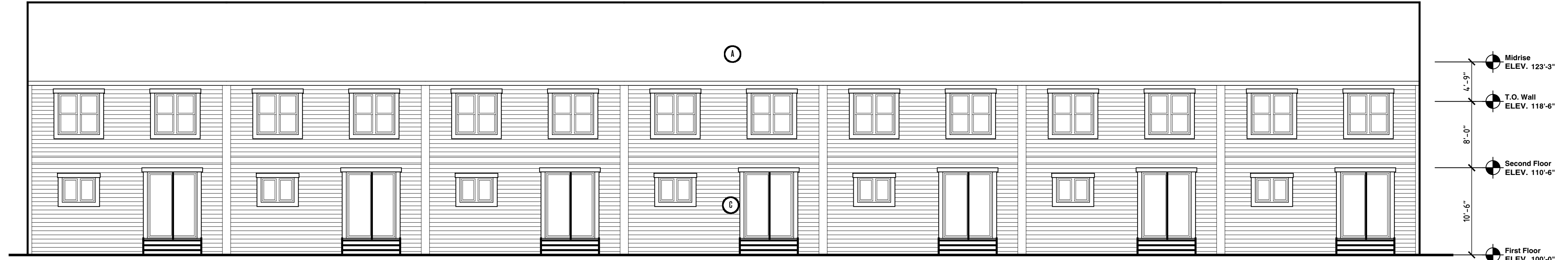
MATERIALS	
SYMBOL	SPECIFICATIONS
(A)	DIMENSIONAL ASPHALT SHINGLES
(B)	FASCIA
(C)	LAP SIDING
(D)	STONE WATERTABLE W/ DRIP EDGE
(E)	STONE VENEER
(F)	SHAKE SIDING
(G)	METAL CANOPY
(H)	STUCCO



4 Building H Side Elevation
SCALE: 1/8" = 1'



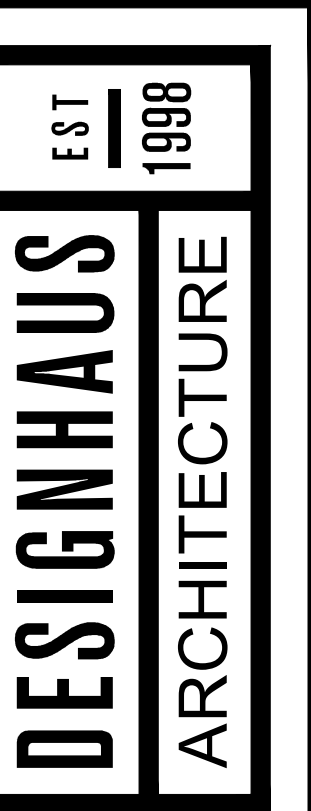
3 Building H Side Elevation
SCALE: 1/8" = 1'



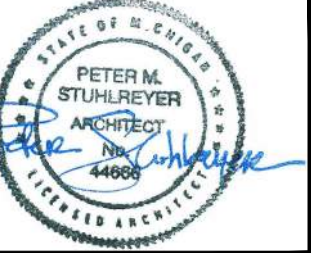
2 Building H Rear Elevation
SCALE: 1/8" = 1'



1 Building H Front Elevation
SCALE: 1/8" = 1'



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T:248.601.4422 F:248.453.5654
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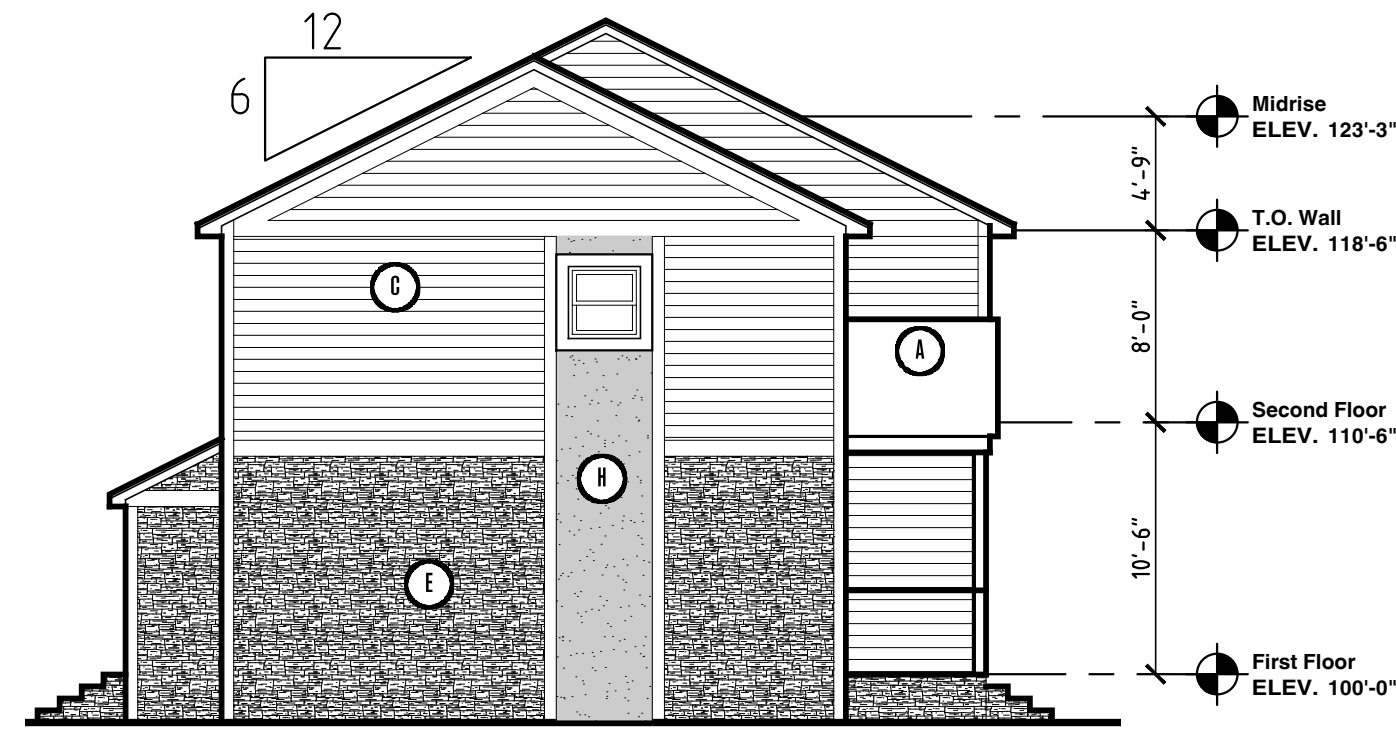
Hamburg Village Townhomes
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Building H Elevations

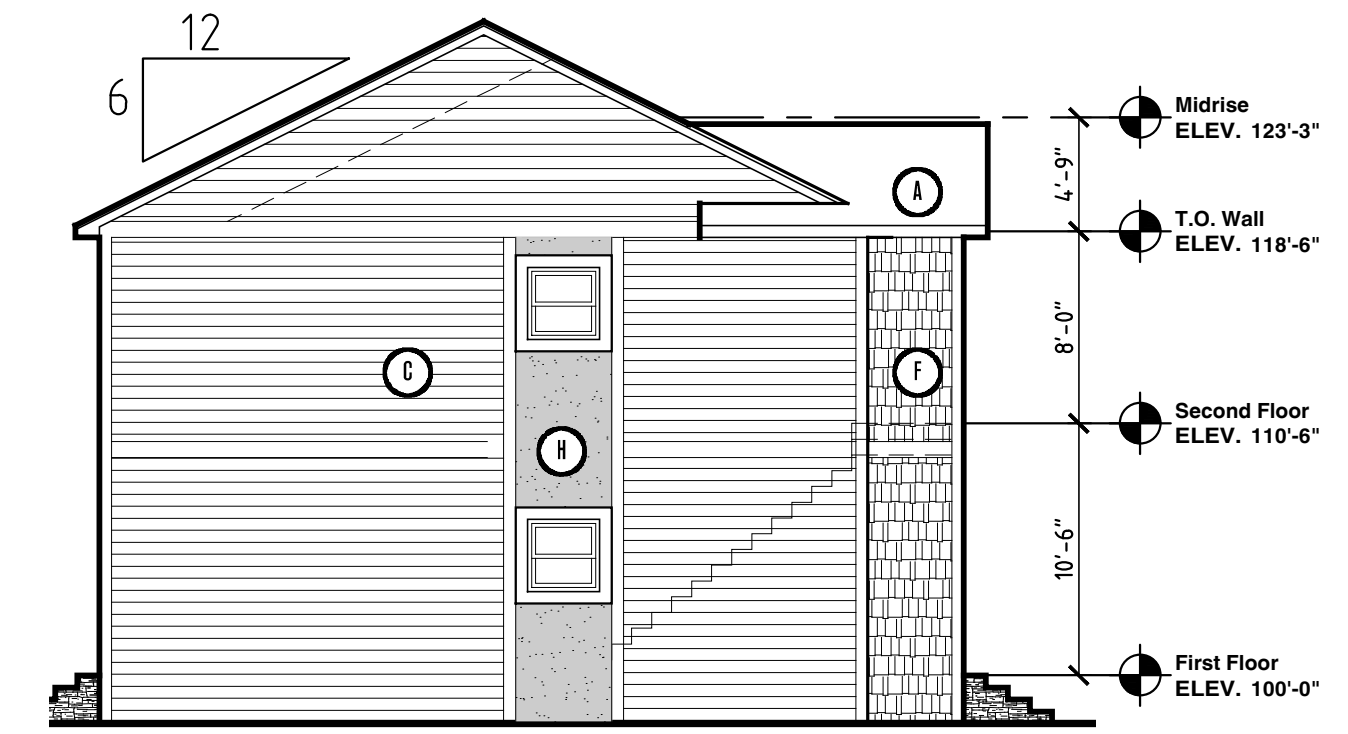
022065

A203

MATERIALS	
SYMBOL	SPECIFICATIONS
(A)	DIMENSIONAL ASPHALT SHINGLES
(B)	FASCIA
(C)	LAP SIDING
(D)	STONE WATERTABLE W/ DRIP EDGE
(E)	STONE VENEER
(F)	SHAKE SIDING
(G)	METAL CANOPY
(H)	STUCCO



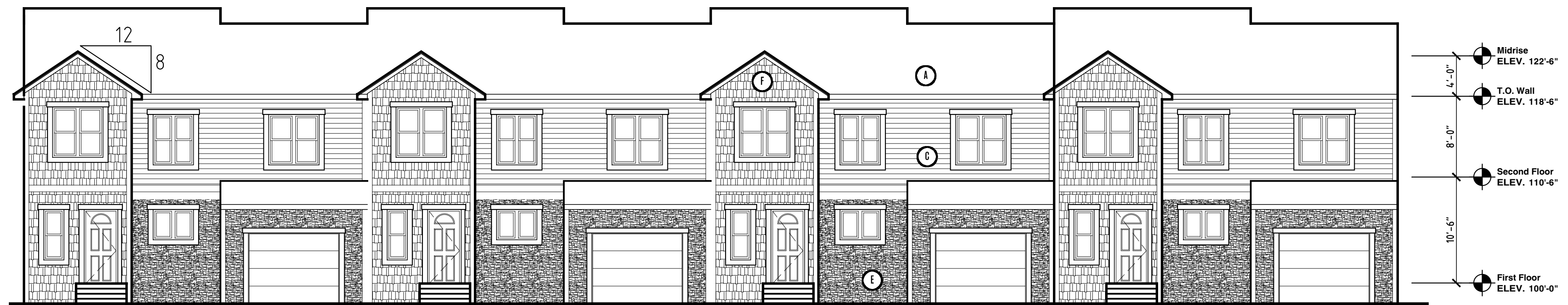
4 Building I Side Elevation
SCALE: 1/8" = 1'



3 Building I Side Elevation
SCALE: 1/8" = 1'



2 Building I Rear Elevation
SCALE: 1/8" = 1'



1 Building I Front Elevation
SCALE: 1/8" = 1'

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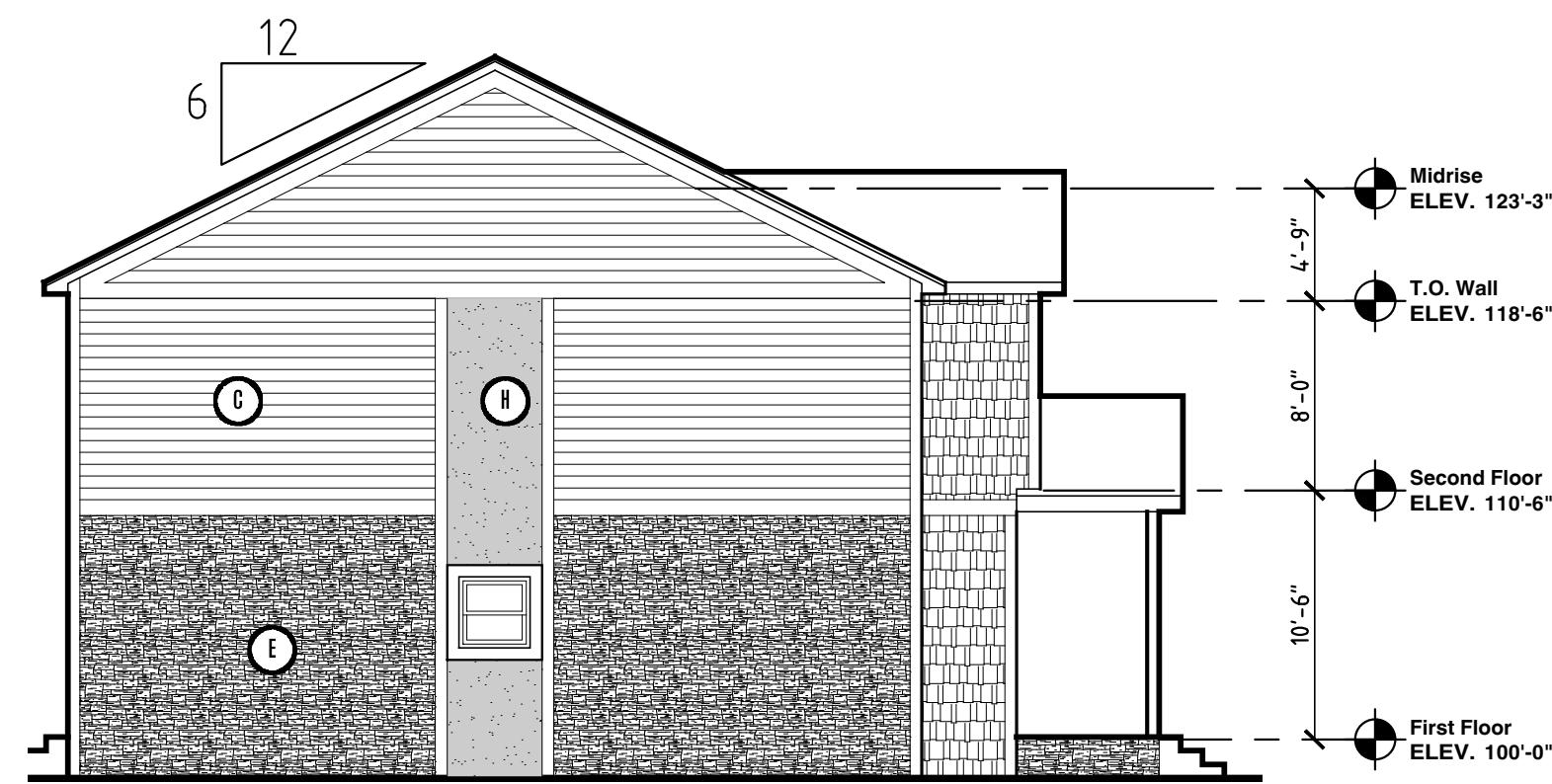
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Building I Elevations

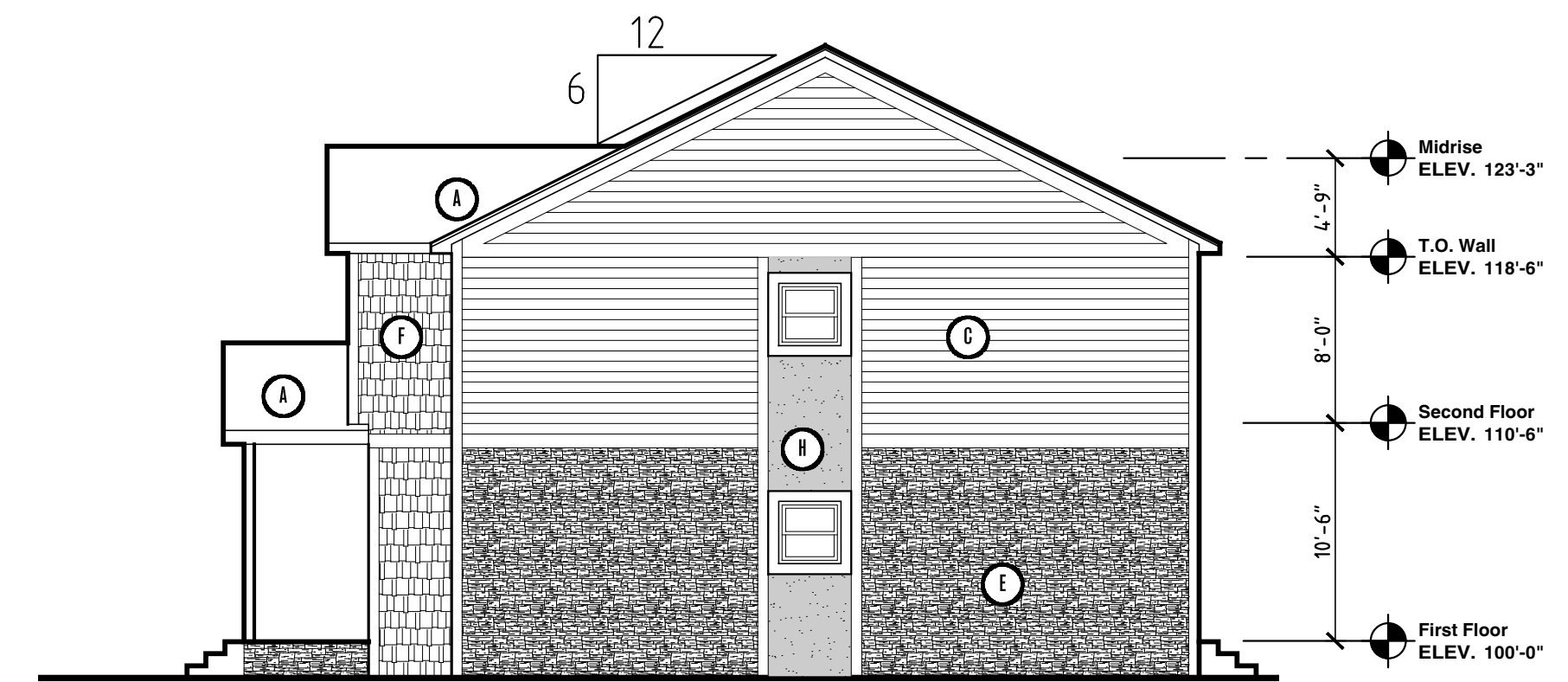
022065

A204

MATERIALS	
SYMBOL	SPECIFICATIONS
(A)	DIMENSIONAL ASPHALT SHINGLES
(B)	FASCIA
(C)	LAP SIDING
(D)	STONE WATERTABLE W/ DRIP EDGE
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4 Building J Side Elevation
SCALE: 1/8" = 1'



3 Building J Side Elevation
SCALE: 1/8" = 1'



2 Building J Rear Elevation
SCALE: 1/8" = 1'



1 Building J Front Elevation
SCALE: 1/8" = 1'

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Hamburg Village Townhomes
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Hamburg Twp., MI

Building J Elevations

022065
A205



AT&T Michigan Angela
Wesson
METRO Act Administrator
54 N. Mill Street
Mailbox #30
Pontiac, MI 48342

April 25th, 2024

Hamburg Township
10405 Merrill Rd- P.O. Box 157
Hamburg, MI 48139

METRO ACT RIGHT OF WAY PERMIT EXTENSION

Dear Hamburg Township,

This is a letter agreement which extends the existing METRO Act Permit issued by the Hamburg Township/Livingston County to Michigan Bell Telephone Company d/b/a AT&T Michigan ("AT&T") which expires on September 30, 2024. The extension is for a term to end on September 30, 2029.

If this is agreeable, please sign both copies of the extension letter agreement in the place provided below and return to AT&T Michigan at the address on this letterhead. Upon receipt AT&T will acknowledge and return one copy for your files.

Additional information regarding this renewal request may be found at <http://www.michigan.gov/mpsc>. Please click on Regulatory Information, Telecommunications, and METRO Act/Right of Way.

We would appreciate return of the signed copies within 30 days of receiving this request. Your cooperation is appreciated.

If you have any questions feel free to contact Ms. Angela Wesson via e-mail, AD3245@att.com or 248-877-9518.

Agreed to by and on behalf of the
Hamburg Township

By: _____
Signature

Its: _____

Date: _____

Michigan Bell Telephone Company d/b/a
AT&T acknowledges receipt of this.
Permit Extension granted by the municipality.

By: _____
Angela Wesson

Its: METRO Act Administrator

Date: _____



10405 Merrill Road ♦ P.O. Box 157
Hamburg, MI 48139
Phone: 810.231.1000 ♦ Fax: 810.231.4295
www.hamburg.mi.us

05/01/24

To: Hamburg Township Board of Trustees
From: Tony Randazzo

Re: WWTP Licensing Compensation

I'm requesting approval to change the way we reward DPW personnel when they attain wastewater licensure. In the past, we have given workers an approximate 10% raise for passing the C & D wastewater exams. However, this was before our implementation of yearly step increases when there was no other way to advance to higher steps outside of new job duties. Ryan and I have also found that it is commonplace for other organizations to reward the attainment of WWTP licensure through yearly stipends. Another added advantage of the stipend is that it forces the employee to stay current on their license as they have to renew it every three years. If they fail to keep their license current, they will lose the stipend.

After carefully considering the factors listed above, I recommend we that we start rewarding the attainment of WWTP licensure with a yearly stipend instead of step increases, and propose the following amounts:

L1/L2 license: \$1,000
Class D license: \$2,000
Class C license: \$3,000

The stipend amounts given will be cumulative if an individual achieves multiple licenses. All DPW Technicians are classified as Grade 5 on the pay scale. If an employee attains a B license, they will move to Grade 8 and lose the stipend. If an individual passes the A exam, they will be promoted to Grade 9 without a stipend as well.



10405 Merrill Road ♦ P.O. Box 157
Hamburg, MI 48139
Phone: 810.231.1000 ♦ Fax: 810.231.4295
www.hamburg.mi.us

05/03/24

To: Hamburg Township Board of Trustees
From: Tony Randazzo

Re: DPW Ten Hour Workday

At the request of the DPW staff, I seek approval from the Board to implement a ten-hour workday for the department. This will also entail new working hours at the DPW which will be 6:30-4:30, Monday-Friday. Currently, the hours of operation are 7:00-3:00, with the exception of one on call employee who works until 3:30. To accomplish this, every employee will work ten hours on Tuesday-Thursday. On Friday, there will be two employees working and on Monday, everyone will work except the two who will be in on Friday.

This new arrangement is a win-win for the Township and for the DPW full-time staff. Hours serving the public will increase, overtime will decrease by having staff here earlier and later in the day, and Holiday pay will see a small reduction as well. On the flip side, employee morale and satisfaction will increase from this proposed plan.

As with any change of this magnitude, I suggest that we try this plan for a ninety-day trial period to make sure that it has the intended results for all parties.