



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

Thursday, November 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.](#) 10-15-2024 5:00 Township Work Study Meeting Minutes
- [2.](#) 10-15-2024 7:00 Board of Trustees Regular Meeting Minutes
- [3.](#) Parks & Rec - Approved Committee Minutes - September 2024
- [4.](#) Township Coordinator's Report - October 2024
- [5.](#) Senior Center Report - October 2024
- [6.](#) Bills List 11.07.2024

APPROVAL OF THE AGENDA

UNFINISHED BUSINESS

- [7.](#) Township Manger discussion

CURRENT BUSINESS

- [8.](#) Fire Lieutenant Promotions
- [9.](#) Purchase of LUCAS Device
- [10.](#) Sale of Police Property
- [11.](#) Final Site Plan Application for General Planned Unit Development (GPUD24-0001).

- [12.](#) Proposed Buhl Drive - Road Improvement Special Assessment District
- [13.](#) 2025 Holiday Schedule
- [14.](#) Provident Accident & Health Policy
- [15.](#) Bendzinski & Co. Dissemination Agent Agreement
- [16.](#) Budget Amendments 1st Qt FY 24/25
- [17.](#) ARPA update as of 10/25/2024

CALL TO THE PUBLIC

BOARD COMMENTS

ADJOURNMENT



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

TOWNSHIP BOARD WORK-STUDY SESSION

Tuesday, October 15, 2024 at 5:00 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

The meeting was called to order at 5:00 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

PRESENT

- Pat Hohl
- Mike Dolan
- Chuck Menzies
- Cindy Michniewicz
- Patricia Hughes

ABSENT

- Bill Hahn
- Jason Negri

CALL TO THE PUBLIC

A call was made to the public.

Joanna Hardesty, of 4277 E M-36, addressed her thoughts and concerns regarding the lack of transparency with the Township Manager position.

CONSENT AGENDA

None.

APPROVAL OF THE AGENDA

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

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

UNFINISHED BUSINESS

None.

CURRENT BUSINESS

- 1. Public Safety Director Position
Discussion, no action taken.
- 2. Township Manager Position
Discussion, no action taken.

CALL TO THE PUBLIC

A call was made with no response.

BOARD COMMENTS

Supervisor Hohl stated that he would bring a motion at the 7:00 pm Board Meeting to proceed with an interview for the Township Manager position.

ADJOURNMENT

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

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

The meeting was adjourned at 5:54 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, October 15, 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
- Chuck Menzies
- Cindy Michniewicz
- Patricia Hughes

ABSENT

- Bill Hahn
- Jason Negri

CALL TO THE PUBLIC

A call was made with no response.

CONSENT AGENDA

Motion by Menzies, Seconded by Hughes, to approve the consent agenda, adding the Weatherseal payment not be made until the insurance coverage check has posted.

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

1. 10-01-2024 2:00 Township Board Work Study Minutes
2. 10-01-2024 2:30 Board of Trustees Meeting Minutes
3. DPW Monthly Report - August/September 2024

4. Approved MUC Minutes - August 14, 2024
5. Bills List 10.15.2024
6. Weatherseal Home Improvements Inv.#9.27.24

APPROVAL OF THE AGENDA

Motion by Dolan, Seconded by Michniewicz, to approve the agenda, with the tabling of item 13.

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

UNFINISHED BUSINESS

CURRENT BUSINESS

7. Firefighter Badge Presentation
Motion by Michniewicz, Seconded by Menzies, to approve the promotion of Andrew Turner to the rank of fully-trained Firefighter/EMT.

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

8. Firefighter Years of Service Presentation
Director of Public Safety Duffany and Fire Chief Newton presented an achievement award to Fire Lt. Jeff Young for 20 years of exemplary service to the Hamburg Township.

9. Police Lieutenant Promotion
Motion by Hughes, Seconded by Dolan, to approve the promotion of Matthew Duhaime to the rank of Lieutenant effective immediately.

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

10. Annual Firefighter Physicals
Motion by Dolan, Seconded by Michniewicz, to approve the hiring of Bio-Care, Inc. of Holt, MI to perform annual Firefighter physicals, as outlined in their attached quote, at Fire Station 12 for a price of \$13,195.00.

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

11. Township Moving Wall Recognition
Joanna Hardesty presented the Township with a certificate of appreciation for allowing the Moving Wall to be held here in Manley Park.

- 12. Intergovernmental Agreement, Phase II, Watershed Planning Services
Motion by Hughes, Seconded by Michniewicz, to approve the renewal of the Intergovernmental Agreement, Phase II, Watershed Planning Services.

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

- 13. Expenditure of Public Monies
Tabled to the next Regular Board of Trustees Meeting.

CALL TO THE PUBLIC

A call was made to the public.

Joanna Hardesty of 4277 E M-36, addressed the Board regarding the Township Manager position.

Ron Pilon of 8736 Ardmore, addressed the Board regarding Freedom River and Ore Lake flooding.

David Knieper, of 8329 Hillpoint, addressed the Board regarding the Ore Lake Flooding.

BOARD COMMENTS

Supervisor Hohl addressed the public regarding the Ore Lake and Huron River flooding.

Clerk Dolan addressed the public regarding the November 5, 2024, General Election.


ADJOURNMENT

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


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

The meeting was adjourned at 7:52 pm.

Respectfully submitted,



Jennifer Daniels
Recording Secretary



Mike Dolan
Township Clerk



**Hamburg Township
Parks & Recreation Committee
Regular Meeting
Hamburg Township Hall
Tuesday, September 24, 2024
3:00 p.m.**

1. Call to Order

Dolan called the meeting to order at 3:11 p.m.

2. Pledge to the Flag

3. Roll Call of the Parks & Recreation Committee

Board Members Present: McCabe, Michniewicz, Dolan, Auxier

Board Members Absent: Muck

Also present: Deby Henneman, Township Coordinator

4. Call to the Public

A call was made with no response.

5. Approval of the Agenda

Motion by Dolan, supported by Auxier, to approve the agenda as presented.

VOICE VOTE: Ayes: 4 (Muck absent)

MOTION CARRIED

6. Approval of the Minutes

Motion by Michniewicz, supported by Auxier, to approve the minutes from the August 27, 2024 Regular Meeting, as presented.

VOICE VOTE: Ayes: 4 (Muck absent)

MOTION CARRIED

7. Correspondence

Hamburg Historical Museum newsletter was received and filed.

8. Current Business

A. Invasive Species Grant Program – Deadline 11/1/24 – Discussion

Henneman stated she did a review of the grant guidelines and attended the webinar. She stated that the removal of invasive Oriental Bittersweet on Township property is not something that would be covered under the grant, and that funding is designed for issues on more of a regional basis and lean more toward education of the public and less on maintenance.

After discussion, the Committee received and filed Invasive Species Grant notes from webinar.

B. Public Safety Fees – Discussion

Sgt. Paul stated the fee schedule is confusing and should be streamlined. She also stated it is difficult with current staffing levels to fill the Overtime slots for the events, and it becomes extremely difficult to do so when applications are pushed through the approval process faster than the required 60 days. She stated a minimum of 120 days should be used for most applications, possibly longer for more complicated or newly proposed events.

Henneman stated for events that don't require Public Safety, or when the Township Board waives the fees and Public Safety won't be present, it might be prudent to get a waiver of some sort signed by the applicant stating they are aware they won't have Public Safety presence and if for some reason it ends up being necessary due to the crowds, they will be charged at cost for those services.

Motion by Dolan, supported by Michniewicz, to direct the Park Coordinator and Sgt. Pual to update the Administrative Policies & Procedures, as well as the Park Facility Use Application and Fee Schedule, to include a longer timeline for the approval process, and fees that better represent the actual costs of Public Safety.

VOICE VOTE: Ayes: 4 (Muck absent)

MOTION CARRIED

9. Old Business

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

1. Iron Belle Trail/Lakelands Trail – Updates

- Ralph C. Wilson Jr. – Trail Maintenance Grant – Zukey Lake Footbridge – No update.
- Great Start Livingston Story Walk at the Village Trailhead – Ribbon Cutting 10/28/24
 - i. Hoepfner stated the posts will be going in tomorrow and the pathway has been edged and seeded. Crew will be excavating to clean up the gardens as well.
 - ii. Henneman stated ribbon cutting is being finalized now. (Date ended up being 10/28/24).
 - iii. Dolan stated he has ordered the parking bumpers and arbors.

2. Park Master Design Plan Concept – No update.

3. Bennett Park & Senior Center

- TF22-0107 Bennett Park & Water Trail Access Improvements
 - i. Spicer has been added to the MDNR portal. We are awaiting the plan.
 - ii. Jogging for Jakey 5K - \$3,000 received for ADA Playground feature – Henneman will advise Spicer of the donation to work into design.
 - iii. First Progress Report for the grant has been filed with the MDNR

B. Township Park Use Policy/Fee/Procedures

1. Park Use Policy updates – Pending

Dolan asked if a Playground Inspection procedure had been drafted, and if they had been performed on our equipment yet.

Hoepfner to draft a policy/procedure and develop a form for that. It will be added to our Administrative Park Policy.

2. Park Use Fees – Updates to be worked on by Henneman and Sgt. Paul, then submitted for discussion.

C. Administrative Services

1. Township Coordinator’s Report – September 2024 – Report received and filed
2. Senior Center Report – September 2024 – Report received and filed
 - Senior Center Rentals – Meetings 11, Parties 0
3. Scholarship Request – None
4. Park Use Requests - None

D. Special Projects

Village Trailhead Parking & Story Walk – Sponsors include: Kensington Woods Schools, Powers Flowers, That Coffee Shop, Hamburg Library, Great Start Livingston Collaboration

E. Sponsorships/Volunteerism

1. Amenities and Beautification Committee – Volunteers will be needed for Garden Project at Village Story Walk in the Spring.

F. Signage and Community Awareness

1. Wayfinding & Safety Signage – Requesting bids for wayfinding signage and welcome signs for Story Walk.

G. Risk Management (Insurance/ADA)

1. ADA Compliance in Parklands – No update

10. Call to the Public

A call was made with no response.

11. Committee Comments

McCabe requested status for sledding hill.

Dolan stated it is available, although signage still needs to be installed. The winters have been mild, but B&G does keep the drive cleared.

12. Adjourn Meeting

Motion by Auxier, supported by McCabe, to adjourn the meeting.

VOICE VOTE: Ayes: 4 (Muck absent)

MOTION CARRIED

Meeting adjourned at 4:00 p.m.

Respectfully submitted,

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



Hamburg Township Offices
10405 Merrill Rd., P.O. Box 157
Hamburg, MI 48139
(810)231-1000
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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 – October 2024

Parks:

Bennett Park & Water Trail Access Improvements grant TF22-0107: Spicer has been advised of the \$3,000 donation from Jogging with Jakey for an ADA feature. A project update has been requested.

The Village Trailhead Story Walk Ribbon Cutting will be held on Monday, October 28, 2024 from 10:30 AM to 11:30 AM. Final touches will be completed this week on the mural blocks, parking lot, and the amenities. Gardens have been delayed until next spring, which will be completed with the help of one of our Powers Flowers, who has graciously donated time and products. Our first story has been selected by the Hamburg Library, and Great Start Livingston will be out to show us how to install it on October 24th. Future plans for this site include a small picnic pavilion which I hope to write a grant for in 2025. Facebook

We have been offered the opportunity through the MDNR to receive a bench or planter created from a recycled Wind Turbine which will be installed at the Pettysville Trailhead. Similar installations can be seen here: <https://noblewins.com/pages/public-art>. Once a design has been selected, we will receive more information about when it will be installed and how the artist(s) will be selected.

Park Projects/Tasks:

- West Park
 - Remove Shed & Old Playground
 - Disconnect Sprinkler system for field H8
 - Repair flooding in field H3
 - Engineered Wood Fiber for abandoned playground to install “game” area
 - Eradicate Moles in H1
 - Wayfinding signage for driveway
 - Look into new gate for driveway for large events
 - Update Kiosk
 - Revamp Concession to house vending?
- East Park
 - Engineered Wood Fiber for playground
 - Secure Little Library post
 - Gravel paths to dugouts

- Paint/Repair wood on dugouts
- Repair/update batting cage
- Replace/repair netting over fencing
- Look into gate for driveway for large events
- Increase fence height for Flyer's field
- Install Rules & Regs/Kiosk with contact at Flyer's field
- Install Info Kiosk at Concession Building
- Revamp Concession to house vending?
- Trailheads
 - Build/Install wooden screening for portable toilets
 - Crack filling (MDNR Grant)
 - Gravel pathways to Pettysville Kiosk & respite features

ADA

No updates

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 pending.
- MDNR Grant for Trailhead Maintenance is pending – Spring 2025
- A Passport Grant is being planned for future respite improvements at the Village Trailhead.
- A HERO Grant is being pursued for outdoor recreation items at the Village Trailhead.

Ordinances

Ordinances/updates 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 Policies/Procedures, Park Use forms, and increase Public Safety Fees - Priority**
- Organize and Scan all archive files into Docuware System based on Record retention
- Social Media Policy updates have been presented and are awaiting approval
- 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 will need new Kiosk
- Flyer's Field Safety Fencing is needed
- East Park could use an entrance Kiosk as the one on the concession building was removed
- Donation capability/QR codes is pending with Treasury/Accounting
- Scheduling Software shortlist is needed, and further demos will be scheduled
- Goal/Net Inventory project (may work with Legacy on an Inventory list)
- I will be working on brochure updates and a "Welcome" page for new residents
 - https://www.hamburg.mi.us/resident/welcome_new_residents/index.php



October 17, 2024

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

September Statistics:

- Monthly Attendance: 2720
- Daily Average: 136
- Number of New Members: 33

Upcoming Closures:

- November 5, 2024 – Elections
- November 15, 2024 – Bazaar Set Up
- November 28-29, 2024 – Thanksgiving Holiday
- December 2, 2024, at 11:30 am – Kiwanis Lunch Set Up
- December 24, 2024, through January 1, 2025 – Christmas/New Year's Holiday

New Programming:

- Bus trip to Green Oak Mall on October 24
- Halloween Party on October 25
- Learning About Potential Scams with Officer Kim Leeds on October 30
- Flu/COVID/RSV Vaccination Clinic on November 1
- Veteran's Lunch on November 8
- Brookdale Craft on November 11
- Senior Bus Trip to Frankenmuth on November 13
- Senior Bus Trip to "Santa on Holiday" at Hartland Senior Center on November 14
- Holiday Bazaar on November 16
- Stain Glass Craft Class with Debbie Kooperman on November 19 and 26
- Manor Law Group Presentation on November 20
- Nutritional Herbal Infusions Class with Tracey on November 21
- Avoiding Computer Scams with Jim Meyer on November 22
- Sound Bath on November 22

Other Information:

- The Senior Center will be collecting items for Livingston County Catholic Charities Christmas Blessings Project.
- The Senior Center will have a MMAP Specialist on site for Medicare Open Enrollment October 15 – December 7.
- The Senior Center will be compiling a collection of recipes from the members of the Hamburg Senior Center and putting together a Senior Center Cookbook.

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

UNJOURNALIZED OPEN

Item 6.

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
A2ZLWNSERV	A2Z LAWN SERVICES, LLC	10/30/2024	002837	GEN	CEMETARY LAWN MOWING, TRIMMING, BLOW	
78992	2531 JACKSON AVE	11/07/2024		N		4,020.00
	SUITE 336					
10/30/2024	ANN ARBOR MI, 48103	/ /	0.0000	N		0.00
		11/07/2024		Y		4,020.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-567.000-801.000	CONTRACTUAL SERVICES	4,020.00

VENDOR TOTAL: 4,020.00

ACTIVE911	ACTIVE911, INC.	10/21/2024	590764	GEN	FD/PD DRONE TEAM SUBSCRIPTION RENEWA	
78810	4100 SW RESEARCH WAY, SUITE B	11/07/2024	20240568	N		236.25
10/11/2024	CORVALLIS OR, 97333	/ /	0.0000	N		0.00
		11/07/2024		N		236.25

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-958.000	FD ACTIVE ALERT RENEWAL	118.13	118.13
207-000.000-958.000	PD ACTIVE ALERT RENEWAL	118.12	118.12
		236.25	236.25

VENDOR TOTAL: 236.25

ADVSAFELOC	ADVANCED SAFE & LOCK	10/23/2024	E36442	GEN	FD - STA 12 MAN DOOR REPLACEMENT INV	
78904	7589 WISTERIA WAY	11/07/2024	20240594	N		3,188.00
10/22/2024	BRIGHTON MI, 48116-6203	/ /	0.0000	N		0.00
		11/07/2024		Y		3,188.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-930.003	MATERIALS	2,220.00	2,220.00
206-000.000-930.003	LABOR	880.00	880.00
206-000.000-930.003	SERVICE TRIP	88.00	88.00
		3,188.00	3,188.00

VENDOR TOTAL: 3,188.00

User: MarcyM

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Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ADVANCED02	ADVANCED WATER TREATMENT, INC.	10/29/2024	41399456	GEN	FD - BOTTLED WATER (10), STA 11 INV	
78978	PO BOX 339	11/07/2024	20240608	N		59.90
10/02/2024	HAMBURG MI, 48139	/ /	0.0000	N		0.00
		11/07/2024		N		59.90

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-752.000	5 GAL WATER EXCHANGE OF AWT H2O BOTTLE	59.90	59.90

ADVANCED02	ADVANCED WATER TREATMENT, INC.	10/28/2024	42733457	GEN	DPW BOTTLED WATER (3)	
78929	PO BOX 339	11/07/2024		N		17.97
10/23/2024	HAMBURG MI, 48139	/ /	0.0000	N		0.00
		11/07/2024		N		17.97

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	17.97

ADVANCED02	ADVANCED WATER TREATMENT, INC.	10/23/2024	42734887	GEN	TWP BOTTLED WATER (8)	
78907	PO BOX 339	11/07/2024		N		47.92
10/23/2024	HAMBURG MI, 48139	/ /	0.0000	N		0.00
		11/07/2024		N		47.92

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	47.92

ADVANCED02	ADVANCED WATER TREATMENT, INC.	10/28/2024	42740118	GEN	PD WATER BOTTLE EXCHANGE (2)	
78914	PO BOX 339	11/07/2024	20240603	N		11.98
10/23/2024	HAMBURG MI, 48139	/ /	0.0000	N		0.00
		11/07/2024		N		11.98

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-752.000	5 GAL WATER BOTTLES	11.98	11.98

ADVANCED02	ADVANCED WATER TREATMENT, INC.	10/28/2024	42742882	GEN	FD - BOTTLED WATER STA 12 (6) INV #	
78922	PO BOX 339	11/07/2024	20240604	N		35.94
10/23/2024	HAMBURG MI, 48139	/ /	0.0000	N		0.00
		11/07/2024		N		35.94

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-752.000	BOTTLED WATER	35.94	35.94

User: MarcyM

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Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount

VENDOR TOTAL: 173.71

ALERUSRETR	ALERUS RETIREMENT SOLUTIONS	10/24/2024	10242024	GEN	457	
78912	P.O. BOX 64535	10/25/2024		N		14,892.09
10/24/2024	SAINT PAUL MN, 55164	/ /	0.0000	N		0.00
		10/25/2024		N		14,892.09

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.500	DEFERRED COMPENSATION/457	14,892.09

ALERUSRETR	ALERUS RETIREMENT SOLUTIONS	10/24/2024	102424	GEN	401A	
78911	P.O. BOX 64535	10/25/2024		N		14,415.11
10/24/2024	SAINT PAUL MN, 55164	/ /	0.0000	N		0.00
		10/25/2024		N		14,415.11

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-073.003	RETIREMENT - LIBRARY	1,376.40
101-101.000-716.000	DEFINED CONTRIBUTION	323.34
101-171.000-716.000	DEFINED CONTRIBUTION	477.97
101-201.000-716.000	DEFINED CONTRIBUTION	1,087.81
101-262.000-716.000	DEFINED CONTRIBUTION	637.77
101-215.000-716.000	DEFINED CONTRIBUTION	873.65
101-228.000-716.000	DEFINED CONTRIBUTION	550.40
101-253.000-716.000	DEFINED CONTRIBUTION	435.85
101-265.000-716.000	DEFINED CONTRIBUTION	578.76
101-702.000-716.000	DEFINED CONTRIBUTION	633.82
101-751.000-716.000	DEFINED CONTRIBUTION	204.36
101-820.000-716.000	DEFINED CONTRIBUTION	339.66
206-000.000-716.000	DEFINED CONTRIBUTION	3,025.82
207-000.000-716.000	DEFINED CONTRIBUTION	1,207.21
590-527.000-716.000	DEFINED CONTRIBUTION	2,663.04
101-702.000-716.000	DEFINED CONTRIBUTION	(0.75)
		14,415.11

VENDOR TOTAL: 29,307.20

User: MarcyM

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Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ALLSTRALR1	ALLSTAR ALARM, LLC	10/28/2024	407728	GEN	BASE SERVICE /LITHIUM BATTERY	
78931	8345 MAIN ST	11/07/2024		N		222.95
10/17/2024	WHITMORE LAKE MI, 48189	/ /	0.0000	N		0.00
		11/07/2024		Y		222.95

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-930.000	MAINTENANCE TWP HALL	222.95

VENDOR TOTAL: 222.95

User: MarcyM

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Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ALPHAPSYCH	ALPHA PSYCHOLOGICAL SERVICES, P.C.	10/22/2024	101024	GEN	PD PSYCH ASSESSMENT AND EVAL FOR PO	
78885	41820 SIX MILE RD., #104	11/07/2024	20240578	N		795.00
10/10/2024	NORTHVILLE MI, 48168	/ /	0.0000	N		0.00
		11/07/2024		N		795.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-967.000	PSYCH ASSESS AND EVAL-HUCK	795.00	795.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ALPHAPSYCH	ALPHA PSYCHOLOGICAL SERVICES, P.C.	10/21/2024	101124	GEN	FD - PSYCH EVALS, DAVILA, DUFFANY, K	
78813	41820 SIX MILE RD., #104	11/07/2024	20240582	N		1,125.00
10/11/2024	NORTHVILLE MI, 48168	/ /	0.0000	N		0.00
		11/07/2024		N		1,125.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-843.100	FD PSYCH EVALS, DAVILA, DUFFANY, KELLER	1,125.00	1,125.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ALPHAPSYCH	ALPHA PSYCHOLOGICAL SERVICES, P.C.	10/21/2024	92524	GEN	FD - PSYCHOLOGICAL ASSESSMENT - VAN	
78811	41820 SIX MILE RD., #104	11/07/2024	20240549	N		375.00
09/25/2024	NORTHVILLE MI, 48168	/ /	0.0000	N		0.00
		11/07/2024		N		375.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-843.100	PSYCH EVAL - VAN STEENIS	375.00	375.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ALPHAPSYCH	ALPHA PSYCHOLOGICAL SERVICES, P.C.	10/21/2024	92624	GEN	FD - PSYCHOLOGICAL ASSESSMENT - ZETT	
78812	41820 SIX MILE RD., #104	11/07/2024	20240550	N		375.00
09/26/2024	NORTHVILLE MI, 48168	/ /	0.0000	N		0.00
		11/07/2024		N		375.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-843.100	PSYCH EVAL - ZETTEL	375.00	375.00

VENDOR TOTAL: 2,670.00

User: MarcyM

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Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
AMAZONCO01	AMAZON CAPITAL SERVICES	10/23/2024	11NL-P17M-DMYR	GEN	09/01/2024-09/30/2024	
78901	P.O BOX 035184	11/07/2024		N		5,229.29
	SEATTLE WA, 98124-5184	/ /	0.0000	N		0.00
		11/07/2024		N		5,229.29

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	1,401.40
206-000.000-754.000	MEDICAL AND SCENE SUPPLIES	809.98
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	529.44
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	470.60
207-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	417.50
101-000.000-239.300	SENIOR CENTER ACTIVITY FUND	410.75
207-000.000-930.002	MAINTENANCE POLICE BUILDING	303.40
207-000.000-932.000	VEHICLE MAINTENANCE	221.53
101-229.000-955.000	SUNDRY	199.14
101-262.000-752.001	SUPPLIES FOR ELECTIONS	190.27
101-265.000-752.000	SUPPLIES & SMALL EQUIPMENT	115.50
206-000.000-768.000	UNIFORMS/ACCESSORIES	97.43
207-000.000-807.000	SWAT TEAM EXPENSES	35.97
101-262.000-752.001	SUPPLIES FOR ELECTIONS	26.38
		<u>5,229.29</u>

VENDOR TOTAL: 5,229.29

AMERICAN01	AMERICAN AWARDS & ENGRAVING	10/29/2024	23187	GEN	FD - HELMETS AND ENGRAVING #23187	
78975	422 W. MAIN ST.	11/07/2024	20240611	N		69.00
10/16/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		Y		69.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.100	BLK/WHI LETT- TURNER, ZETTEL	10.50	10.50
206-000.000-768.100	BLU/WHI-DUFFNY, KELLER, VANSTE, DAV	21.00	21.00
206-000.000-768.100	YEL/BLK- STEW, BEGN, MCK, HILL, KAM, ACU	31.50	31.50
206-000.000-768.100	VELCRO FOR HELMETS	6.00	6.00
		<u>69.00</u>	<u>69.00</u>

VENDOR TOTAL: 69.00

User: MarcyM

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
AMERICAN09	AMERICAN UNITED LIFE INSURANCE	10/23/2024	101724	GEN	G 00617291-0001-000	11/01-11/30/2024
78906	AMERICAN UNITED LIFE INSURANCE	11/07/2024		N		2,461.46
	5870 RELIABLE PARKWAY					
10/17/2024	CHICAGO IL, 60686-0058	/ /	0.0000	N		0.00
		11/07/2024		N		2,461.46

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-073.002		163.69
101-171.000-725.100		47.18
101-201.000-725.100		114.85
101-215.000-725.100		87.25
101-228.000-725.100		57.63
101-253.000-725.100		37.49
101-262.000-725.100		65.38
101-265.000-725.100		94.20
101-702.000-725.100		74.67
206-000.000-725.100		368.55
207-000.000-725.100		675.29
101-751.000-725.100	LONG/SHORT TERM DISABILITY	26.69
101-262.000-725.100		37.55
590-527.000-725.100		273.54
101-000.000-073.004		25.00
101-171.000-725.200		7.03
101-201.000-725.200		18.75
101-215.000-725.200		14.37
101-228.000-725.200		8.75
101-253.000-725.200		6.25
101-262.000-725.200	LIFE INSURANCE	12.50
101-265.000-725.200	LIFE INSURANCE	18.60
101-702.000-725.200	LIFE INSURANCE	12.50
206-000.000-725.200	LIFE INSURANCE	55.00
207-000.000-725.200	LIFE INSURANCE	102.81
101-751.000-725.200	LIFE INSURANCE	4.38
101-820.000-725.200	LIFE INSURANCE	6.25
590-527.000-725.200	LIFE INSURANCE	45.31
		<u>2,461.46</u>

VENDOR TOTAL: 2,461.46

User: MarcyM

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DB: Hamburg

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
AMERICANVO	AMERICAN UNITED LIFE INSURANCE COMP	10/23/2024	101724	GEN	G 00617291-0002-000	11/01-11/30/202
78908	5870 RELIABLE PARKWAY	11/07/2024		N		980.10
10/17/2024	CHICAGO IL, 60686-0058	/ /	0.0000	N		0.00
		11/07/2024		N		980.10

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.420	VOL. LIFE INSURANCE	980.10

VENDOR TOTAL: 980.10

AMERICAN02	APPLIED INNOVATION	10/15/2024	2637727	GEN	CONTRACT BASE 10/12-11/11/24	
78797	7718 SOLUTION CENTER	11/07/2024		N		633.90
10/14/2024	CHICAGO IL, 60677-7007	/ /	0.0000	N		0.00
		11/07/2024		N		633.90

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	633.90

AMERICAN02	APPLIED INNOVATION	10/22/2024	2643866	GEN	SEN CTR CONTRACT BASE RATE 10/21-11/	
78855	7718 SOLUTION CENTER	11/07/2024		N		194.17
10/21/2024	CHICAGO IL, 60677-7007	/ /	0.0000	N		0.00
		11/07/2024		N		194.17

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-820.000-900.200	NEWSLETTER/PUBLICATIONS	194.17

VENDOR TOTAL: 828.07

ATTMOBILIT	AT&T MOBILITY	10/30/2024	287348028837X101	GEN	PD CELLULAR DEVICE	
78988	P.O. BOX 6463	11/06/2024	20240617	N		49.33
10/11/2024	CAROL STREAM IL, 60197-6463	/ /	0.0000	N		0.00
		11/06/2024		N		49.33

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-752.000	CELLULAR DEVICE	49.33	49.33

VENDOR TOTAL: 49.33

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
ATEAMPWRCL	A-TEAM POWER CLEAN LLC	10/14/2024	0006	GEN	P&R FIELD PAINTING 15 SM/15 MED/21 L	
78782	7890 VAN RADEN STREET	11/07/2024		N		1,280.00
10/03/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		Y		1,280.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-751.000-967.962	SPECIAL PROJECTS - MISC IMPROVEMENT	150.00
101-751.000-930.005	MAINTENANCE PARK FACILITIES	80.00
101-751.000-930.020	SPORTS FIELD MAINTENANCE	1,050.00
		<u>1,280.00</u>

VENDOR TOTAL: 1,280.00

AXON	AXON ENTERPRISE, INC.	10/28/2024	INUS288341	GEN	PD TASER CARTRIDGES	
78915	17800 NORTH 85TH STREET	11/07/2024	20240408	N		1,610.00
10/12/2024	SCOTTSDALE AZ, 85255	/ /	0.0000	N		0.00
		11/07/2024		N		1,610.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
213-000.000-916.000	TASER CARTRIDGES	1,610.00	1,610.00

AXON	AXON ENTERPRISE, INC.	10/28/2024	INUS289462	GEN	PD TASER BATTERY PACKS, SOFTWARE & W	
78916	17800 NORTH 85TH STREET	11/07/2024	20240411	N		8,389.80
10/16/2024	SCOTTSDALE AZ, 85255	/ /	0.0000	N		0.00
		11/07/2024		N		8,389.80

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-980.000	TASER BATTERY PACKS, SOFTWARE, WARRANTY	8,389.80	8,389.80

VENDOR TOTAL: 9,999.80

User: MarcyM

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
BADGEFRAME	BADGE FRAME INC	10/22/2024	42356	GEN	FD CAREER PRESENTATION-LT YOUNG	
78814	118 W MAIN ST	11/07/2024	20240561	N		369.77
09/20/2024	CAMDEN TN, 38320	/ /	0.0000	N		0.00
		11/07/2024		N		369.77

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	CAREER PRESENTATION-LT YOUNG	350.00	350.00
206-000.000-768.000	SHIPPING	19.77	19.77
		<u>369.77</u>	

VENDOR TOTAL: 369.77

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
BERESFORDC	BERESFORD COMPANY	10/14/2024	77938	GEN	PD ANNUAL CLOUD SUBSCRIPTON	
78783	26261 EVERGREEN RD.	11/07/2024	20240564	N		235.00
	SUITE 455					
10/09/2024	SOUTHFIELD MI, 48076	/ /	0.0000	N		0.00
		11/07/2024		Y		235.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-958.000	SUBSCRIPTION	235.00	235.00
		<u>235.00</u>	

VENDOR TOTAL: 235.00

User: MarcyM

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
BCBSM	BLUE CROSS BLUE SHIELD OF MICHIGAN	10/23/2024	10282024	GEN	11/01-11/30/2024	
78909	P.O. BOX 674416	10/28/2024		N		83,163.04
10/08/2024	DETROIT MI, 48267-4416	/ /	0.0000	N		0.00
		10/28/2024		N		83,163.04

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-073.001	HEALTH INSURANCE - LIBRARY	3,645.00
101-000.000-231.300	DUE TO BCBS BCBS W/H	433.58
101-201.000-718.000	HEALTH/DENTAL/VISION INSURANCE	6,726.69
101-215.000-718.000	HEALTH/DENTAL/VISION INSURANCE	4,115.81
101-228.000-718.000	HEALTH/DENTAL/VISION INSURANCE	896.89
101-253.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,242.23
101-262.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,802.78
101-265.000-718.000	HEALTH/DENTAL/VISION INSURANCE	3,242.24
101-702.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,983.05
101-751.000-718.000	HEALTH/DENTAL/VISION INSURANCE	1,569.56
101-820.000-718.000	HEALTH/DENTAL/VISION INSURANCE	2,242.23
206-000.000-718.000	HEALTH/DENTAL/VISION INSURANCE	11,434.96
207-000.000-718.000	HEALTH/DENTAL/VISION INSURANCE	29,717.01
590-527.000-718.000	HEALTH/DENTAL/VISION INSURANCE	10,150.01
101-171.000-718.000	HEALTH/DENTAL/VISION INSURANCE	961.00
		83,163.04

VENDOR TOTAL: 83,163.04

User: MarcyM

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BANK CODE: GEN

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

BOBMAXFORD	BOB MAXEY FORD OF HOWELL, INC.	10/22/2024	281278	GEN	FD - 2020 FORD EXPEDITION	2,2254.10
78867		11/07/2024	20240589	N		2,057.75
	2798 E. GRAND RIVER AVE.					
08/01/2024	HOWELL MI, 48843-8545	/ /	0.0000	N		0.00
		11/07/2024		N		2,057.75

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-932.000	2020 FORD EXPED REPAIR	2,057.75	2,057.75

BOBMAXFORD	BOB MAXEY FORD OF HOWELL, INC.	10/22/2024	283531	GEN	PD OIL CHG & FILTER 21 FORD EXPLORER	
78886		11/07/2024	20240593	N		82.10
	2798 E. GRAND RIVER AVE.					
08/29/2024	HOWELL MI, 48843-8545	/ /	0.0000	N		0.00
		11/07/2024		N		82.10

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	OIL CHG & FILTER	82.10	82.10

VENDOR TOTAL: 2,139.85

BOULLION01	BOULLION SALES, INC.	10/28/2024	100-35377	GEN	B&G FILTERS FOR EQUIP	
78928	8530 N. TERRITORIAL RD	11/07/2024		N		102.11
10/25/2024	DEXTER MI, 48130	/ /	0.0000	N		0.00
		11/07/2024		N		102.11

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	102.11

VENDOR TOTAL: 102.11

BOUNDTREE1	BOUND TREE MEDICAL, LLC	10/29/2024	85530196	GEN	FD - G5 AED LITHIUM BATTERY INV #855	
78976	23537 NETWORK PLACE	11/07/2024	20240609	N		488.69
10/18/2024	CHICAGO IL, 60673-1235	/ /	0.0000	N		0.00
		11/07/2024		Y		488.69

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-931.000	G5 AED LITHIUM BATTERY	488.69	488.69

VENDOR TOTAL: 48 25

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
BRIGHTON10	BRIGHTON AREA SCHOOLS	10/21/2024	102124	GEN	TAX DISTRIBUTION TAXES COLLECTED	10/
78808	FINANCE OFFICE	10/21/2024		N		3,118.46
	125 S CHURCH ST					
10/21/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		10/21/2024		N		3,118.46

Open

GL NUMBER	DESCRIPTION	AMOUNT
703-000.000-225.201	DUE TO BRIGHTON SCH OPERATING TAX	3,057.31
703-000.000-225.201	DUE TO BRIGHTON SCH OPERATING TAX	61.15
		<u>3,118.46</u>

VENDOR TOTAL: 3,118.46

BRUCEDON	BRUCE DONOVAN CONSTRUCTION, INC.	10/29/2024	4414	GEN	FLOOD VENTS 8861 LAGOON	
78945		11/07/2024		N		2,810.00
	P.O. BOX 308					
10/24/2024	HAMBURG MI, 48139	/ /	0.0000	N		0.00
		11/07/2024		N		2,810.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-171.000-967.000	SPECIAL PROJECTS	2,810.00

VENDOR TOTAL: 2,810.00

BSASOFTW01	BS&A SOFTWARE INC.	10/22/2024	156920	GEN	EMP WEB PORTAL/PAYROLLTIME SHEETS	11
78815	14965 ABBEY LANE	11/07/2024		N		5,930.00
11/01/2024	BATH MI, 48808	/ /	0.0000	N		0.00
		11/07/2024		N		5,930.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-229.000-933.000	SOFTWARE MAINTENANCE	5,930.00

VENDOR TOTAL: 5,930.00

User: MarcyM

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
BURNHAM001	BURNHAM & FLOWER INSURANCE GROUP	10/22/2024	BFG-1063159	GEN	HRA 7/1/24-7/31/24-8/01/24-8/30/24-9	
78816	315 SOUTH KALAMAZOO MALL	11/07/2024		N		367.50
10/16/2024	KALAMAZOO MI, 49007-4806	/ /	0.0000	N		0.00
		11/07/2024		N		367.50

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-718.500	HEALTH CARE REIMBURSEMENT	367.50

VENDOR TOTAL: 367.50

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
CDWGOVER01	CDW GOVERNMENT, INC.	10/23/2024	AA94B4X	GEN	TREASURY THERMAL RECEIPT PAPER	
78898	75 REMITTANCE DR SUITE 1515	11/07/2024		N		107.07
10/09/2024	CHICAGO IL, 60675-1515	/ /	0.0000	N		0.00
		11/07/2024		N		107.07

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-253.000-955.000	SUNDRY	107.07

VENDOR TOTAL: 107.07

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
CHLORIDESO	CHLORIDE SOLUTIONS, LLC	10/22/2024	MI100864	GEN	DUST CONTROL TEAHEN09/16/24	
78818	672 N. M-52	11/07/2024		N		2,299.62
09/20/2024	WEBBERVILLE MI, 48892	/ /	0.0000	N		0.00
		11/07/2024		Y		2,299.62

Open

GL NUMBER	DESCRIPTION	AMOUNT
204-000.000-805.000	CHLORIDING	2,299.62

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
CHLORIDESO	CHLORIDE SOLUTIONS, LLC	10/22/2024	MI100884	GEN	DUST CONTROL MERRILL/SCHAFFER10/08/24	
78817	672 N. M-52	11/07/2024		N		2,300.08
10/11/2024	WEBBERVILLE MI, 48892	/ /	0.0000	N		0.00
		11/07/2024		Y		2,300.08

Open

GL NUMBER	DESCRIPTION	AMOUNT
204-000.000-805.000	CHLORIDING	2,300.08

VENDOR TOTAL: 4,599.70

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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UNJOURNALIZED OPEN

BANK CODE: GEN

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

BRIGHTON01	CITY OF BRIGHTON	10/22/2024	102224	GEN	MITCH HARRIS HOMES TAP TRANSFER FEE	
78892	200 N. FIRST ST.	11/07/2024		N		2,802.00
10/22/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		N		2,802.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-000.000-221.000	DUE TO BRIGHTON WATER TAP FEES	2,802.00

VENDOR TOTAL: 2,802.00

CLINTONLON	CLINTON LONDON	10/22/2024	10924	GEN	FD LICENSE RENEWAL -MEDIC	
78865		11/07/2024		N		25.00
10/07/2024	,	/ /	0.0000	N		0.00
		11/07/2024		N		25.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-958.000	DUES/SUBSCRIP/RECERTIFICATION	25.00

VENDOR TOTAL: 25.00

CMPDIST02	CMP DISTRIBUTORS, INC.	10/22/2024	017531	GEN	PD NEW OFFICER EQUIPMENT	
78887	16753 INDUSTRIAL PARKWAY	11/07/2024	20240576	N		152.70
10/09/2024	LANSING MI, 48906	/ /	0.0000	N		0.00
		11/07/2024		N		152.70

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-752.100	MAG557 & USED MAG BOX	152.70	152.70

VENDOR TOTAL: 152.70

GRANITBR01	COLDSRING	10/28/2024	RI 2292782	GEN	NICHE PLAQUE VOSMIK	
78941	P.O. BOX 71037	11/07/2024		N		355.00
10/22/2024	CHICAGO IL, 60694-1037	/ /	0.0000	N		0.00
		11/07/2024		Y		355.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-567.000-955.000	SUNDRY	355.00

VENDOR TOTAL: 355.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

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

COMPLETE01	COMPLETE BATTERY SOURCE, INC.	10/22/2024	434334BRI	GEN	FD GROUP 65 AUTO 12V BATTERY	
78819	6480 GRAND RIVER AVE.	11/07/2024	20240572	N		113.71
10/09/2024	BRIGHTON MI, 48114	/ /	0.0000	N		0.00
		11/07/2024		N		113.71

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-932.000	12V TOP POST AUTO BATTERY	113.71	113.71

VENDOR TOTAL: 113.71

COMPCONT	COMPREHENSIVE CONTRACTING LLC	10/15/2024	10142024	GEN	DPW CHECK VALVE IN GATE WELL/ADJUST	
78795	P.O. BOX 2362	11/07/2024		N		7,400.00
10/14/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		Y		7,400.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	7,400.00

VENDOR TOTAL: 7,400.00

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

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

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591891	GEN	1030 4914 0694 SEN CTR 09/10-10/07/2	
78823	PO BOX 740309	11/02/2024		N		22.77
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		22.77

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-820.000-921.000	NATURAL GAS/HEAT	22.77

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591892	GEN	1030 4914 1122 SHOP 09/10-10/07/24	
78826	PO BOX 740309	11/02/2024		N		18.09
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		18.09

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-921.000	NATURAL GAS/HEAT	18.09

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591893	GEN	1030 4914 1148 REGENCY 09/07-10/07/2	
78825	PO BOX 740309	11/02/2024		N		17.25
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		17.25

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	17.25

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591894	GEN	1030 4914 1155 POLE BLDG 09/10-10/07	
78820	PO BOX 740309	11/02/2024		N		20.43
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		20.43

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-921.000	NATURAL GAS/HEAT	20.43

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591895	GEN	1030 4914 1213 WWTP 09/10-10/07/24	
78822	PO BOX 740309	11/02/2024		N		16.50
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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UNJOURNALIZED OPEN

BANK CODE: GEN

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

		11/02/2024		N		16.50
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Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	16.50

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591896	GEN	1030 4914 2971 PD 09/10-10/07/24	
78821	PO BOX 740309	11/02/2024		N		45.76
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		45.76

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-921.000	NATURAL GAS/HEAT	45.76

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591897	GEN	1030 4914 3862 TWP 09/10-10/07/24	
78827	PO BOX 740309	11/02/2024		N		28.26
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		28.26

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-921.000	NATURAL GAS/HEAT	28.26

CONSUMER01	CONSUMERS ENERGY	10/22/2024	202165591898	GEN	1030 4914 5248 RUSTIC DR 09/10-10/07/24	
78824	PO BOX 740309	11/02/2024		N		20.43
	PAYMENT CENTER					
10/07/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/02/2024		N		20.43

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-921.000	NATURAL GAS/HEAT	20.43

CONSUMER01	CONSUMERS ENERGY	10/22/2024	205636131281	GEN	1030 4914 5271 WINANS PUMP 09/07-10/07/24	
78828	PO BOX 740309	11/01/2024		N		19.42
	PAYMENT CENTER					
10/04/2024	CINCINNATI OH, 45274-0309	/ /	0.0000	N		0.00
		11/01/2024		N		19.42

Open

GL NUMBER	DESCRIPTION	AMOUNT
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User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN

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

590-527.000-921.000	NATURAL GAS/HEAT					19.42
VENDOR TOTAL:						208.91

CORE ELECT	CORE ELECTRIC COMPANY INC	10/28/2024	13615	GEN	WWTP 40HP BLOWER MOTOR INSTALL	
78935	25125 W. OUTER DR.	11/07/2024		N		2,240.00
10/24/2024	MELVINDALE MI, 48122	/ /	0.0000	N		0.00
		11/07/2024		N		2,240.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	2,240.00
VENDOR TOTAL:		2,240.00

CSMMECH	CSM MECHANICAL LLC	10/22/2024	4045	GEN	WWTP AIR PUMP REPAIR	
78835	1235 HOLDEN AVE	11/07/2024		N		335.00
10/08/2024	MILFORD MI, 48381	/ /	0.0000	N		0.00
		11/07/2024		Y		335.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	335.00
VENDOR TOTAL:		335.00

DARTTEAM01	DART TEAM	10/22/2024	102224	GEN	OCTOBER 24 CONTRIBUTION	
78832	C/O HOWELL FIRE DEPARMENT	11/07/2024		N		105.00
10/24/2024	1211 W. GRAND RIVER	/ /	0.0000	N		0.00
	HOWELL MI, 48843	11/07/2024		N		105.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.200	DUE TO CHARITY CHARITABLE DEDUCTIONS	105.00
VENDOR TOTAL:		105.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

UNJOURNALIZED OPEN

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BANK CODE: GEN

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

MARIANID	DEBORAH MARIANI	10/22/2024	102124	GEN	TREASURY-REIMBURSE MILEAGE	
78866		11/07/2024		N		32.29
10/09/2024	,	/ /	0.0000	N		0.00
		11/07/2024		N		32.29

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-253.000-861.000	MILEAGE	32.29

VENDOR TOTAL: 32.29

BICKLEDEN	DENNIS BICKLE	10/29/2024	102924	GEN	B&G REIMBURSEMENT-SAFETY GLASSES	
78944	7677 CHILSON RD	11/07/2024		N		156.60
10/29/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		N		156.60

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-768.000	UNIFORMS/ACCESSORIES	156.60

VENDOR TOTAL: 156.60

DIGICGLOBL	DIGICOM GLOBAL INC.	10/22/2024	8895	GEN	PD STANDARD MOBILE MIC	
78888	675 E. BIG BEAVER	11/07/2024	20240585	N		277.80
10/04/2024	SUITE 105	/ /	0.0000	N		0.00
	TROY MI, 48083	11/07/2024		N		277.80

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	SANDARD MOBILE MIC	252.80	252.80
207-000.000-932.000	SHIPPING	25.00	25.00
		277.80	277.80

VENDOR TOTAL: 277.80

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
DETROITE02	DTE ENERGY - STREET LIGHTS	09/17/2024	91024	GEN	9100 4056 2340 STREET LIGHTS	08/01-0
78479	PO BOX 740786	11/01/2024		N		1,531.82
09/01/2024	CINCINNATI OH, 45274-0786	/ /	0.0000	N		0.00
		11/01/2024		N		1,531.82

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-448.000-926.000	STREET LIGHTING	1,531.82

VENDOR TOTAL: 1,531.82

DUBOISCO01	DUBOIS-COOPER & ASSOCIATES	10/15/2024	286208	GEN	DPW REPLACEMENT PC BOARD SIMPLEX SEN	
78793		11/07/2024		N		24,459.00
	PO BOX 6161					
10/09/2024	PLYMOUTH MI, 48170	/ /	0.0000	N		0.00
		11/07/2024		Y		24,459.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-751.100	GRINDER PUMP PARTS	24,459.00

DUBOISCO01	DUBOIS-COOPER & ASSOCIATES	10/28/2024	286430	GEN	DPW MOTOR HEAD MACH STD	
78930		11/07/2024		N		1,870.00
	PO BOX 6161					
10/23/2024	PLYMOUTH MI, 48170	/ /	0.0000	N		0.00
		11/07/2024		Y		1,870.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-751.100	GRINDER PUMP PARTS	1,870.00

DUBOISCO01	DUBOIS-COOPER & ASSOCIATES	10/28/2024	286536	GEN	DPW 240V EXTREME CORE PUMPS (20)	
78921		11/07/2024		N		57,000.00
	PO BOX 6161					
10/23/2024	PLYMOUTH MI, 48170	/ /	0.0000	N		0.00
		11/07/2024		Y		57,000.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-751.200	GRINDER PUMP CORES	57,000.00

VENDOR TOTAL: 83,32

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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Item 6.

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
EASTMICHIG	EAST MICHIGAN FC	10/30/2024	103024	GEN	EVERY CHILD SHALL PLAY SCHOLARSHIP (
78994	5574 RICHARDSON RD.	11/07/2024		N		750.00
10/30/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		750.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-239.400	EVERY CHILD SHALL PLAY SCHOLARSHIP	150.00
101-000.000-239.400	EVERY CHILD SHALL PLAY SCHOLARSHIP	300.00
101-000.000-239.400	EVERY CHILD SHALL PLAY SCHOLARSHIP	150.00
101-000.000-239.400	EVERY CHILD SHALL PLAY SCHOLARSHIP	150.00
		<u>750.00</u>

VENDOR TOTAL: 750.00

ELITEFIRE	ELITE FIRE SAFETY, LLC.	10/22/2024	S18084	GEN	FD - FIRE EXTINGUISHER SERVICE INV #	
78833	46620 RYAN COURT	11/07/2024	20240579	N		1,900.00
10/15/2024	NOVI MI, 48377	/ /	0.0000	N		0.00
		11/07/2024		Y		1,900.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-931.000	FD FIRE EXTINGUISHER SERVICE	1,900.00	1,900.00

VENDOR TOTAL: 1,900.00

ETNASUPP01	ETNA SUPPLY	10/22/2024	S105927011.001	GEN	DPW PIPE SEAL (6)	
78834	PO BOX 772107	11/07/2024		N		32.58
10/14/2024	DETROIT MI, 48227-2107	/ /	0.0000	N		0.00
		11/07/2024		N		32.58

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	32.58

VENDOR TOTAL: 32.58

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
JUNGCHRS01	FIREWRENCH OF MICHIGAN	10/22/2024	1181	GEN	FD-TANKER 11 REPAIRS	
78839	25840 JOHNS ROAD	11/07/2024	20240571	N		479.38
09/13/2024	SOUTH LYON MI, 48178	/ /	0.0000	N		0.00
		11/07/2024		Y		479.38

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-932.000	TANKER 11 REPAIR-LABOR	375.00	375.00
206-000.000-932.000	3/8" PUSHLOCK UNION	25.90	25.90
206-000.000-932.000	GREEN COOLANT GALLON	25.98	25.98
206-000.000-932.000	TRAVEL MILES	52.50	52.50
		479.38	479.38

VENDOR TOTAL: 479.38

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
GANNETMI02	GANNETT MICHIGAN LOCALIQ	10/22/2024	0006687004	GEN	09/01-09/30/24 ADS	
78859	PO BOX 630491	11/07/2024		N		742.76
09/30/2024	CINCINNATI OH, 45263-0491	/ /	0.0000	N		0.00
		11/07/2024		Y		742.76

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-101.000-900.000	LEGAL NOTICES/ADVERTISING	533.11
101-702.000-900.000	LEGAL NOTICES/ADVERTISING	143.76
101-262.000-900.000	LEGAL NOTICES/ADVERTISING	65.89
		742.76

VENDOR TOTAL: 742.76

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
GENESEECNT	GENESEE COUNTY AFIS CONSORTIUM	10/22/2024	102124	GEN	PD 2024 AFIS CONSORTIUM DUES	
78836	C/O LIV. CO. PROSECUTOR'S OFFICE	11/07/2024	20240574	N		550.00
10/15/2024	210 SOUTH HIGHLANDER WAY	/ /	0.0000	N		0.00
	HOWELL MI, 48843	11/07/2024		N		550.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-933.300	2024 AFIS CONSORTIUM DUES	550.00	550.00

VENDOR TOTAL: 550.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
GEBESISCDJ	GENESIS CDJR OF PINCKNEY LLC	10/28/2024	500716/4	GEN	PD 2019 DODGE CHARGER - VEH REPAIRS	
78919	1295 E. M-36	11/07/2024	20240599	N		4,187.75
10/23/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		N		4,187.75

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	VEH REPAIRS	4,187.75	4,187.75

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
GEBESISCDJ	GENESIS CDJR OF PINCKNEY LLC	10/14/2024	RO500101/1	GEN	PD OIL CHG & INSP 2020 CHARGER 49790	
78787	1295 E. M-36	11/07/2024	20240569	N		49.99
09/27/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		N		49.99

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	VEH MAINT	49.99	49.99

VENDOR TOTAL: 4,237.74

User: MarcyM

DB: Hamburg

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
GNOAKTIRE1	GREEN OAK TIRE	10/15/2024	#1-144544	GEN	B&G TIRES FOR JOHN DEERE 1545 & 1575	1540.00
78794	7480 KENSINGTON ROAD	11/07/2024		N		540.00
10/09/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		Y		540.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	540.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
GNOAKTIRE1	GREEN OAK TIRE	10/29/2024	1-144903	GEN	FD - TIRES FOR E11 INV #1-144903	2,746.44
78977	7480 KENSINGTON ROAD	11/07/2024	20240607	N		0.00
10/22/2024	BRIGHTON MI, 48116	/ /	0.0000	N		2,746.44
		11/07/2024		Y		

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-932.000	E11 TIRES	1,992.00	1,992.00
206-000.000-932.000	B 10 OZ IMI EQUAL B PLUS CORE	44.00	44.00
206-000.000-932.000	E 4 OZ IMI EQUAL E PLUS CORE	20.00	20.00
206-000.000-932.000	VALVE TUBELESS TRUCK VALVE	26.44	26.44
206-000.000-932.000	DISPOSAL SUPER SINGLE TIRE DISPOSAL	64.00	64.00
206-000.000-932.000	LABOR SERVICE CALL	200.00	200.00
206-000.000-932.000	LABOR ON JOB HOURS	400.00	400.00
		<u>2,746.44</u>	<u>2,746.44</u>

VENDOR TOTAL: 3,286.44

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
GRNPASTURE	GREEN PASTURES	10/28/2024	8115	GEN	LAWN FERTILIZATION & WEED CONTROL	3,653.25
78934	PO BOX 441	11/07/2024		N		0.00
10/24/2024	CHELSEA MI, 48118	/ /	0.0000	N		3,653.25
		11/07/2024		Y		

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-751.000-930.020	SPORTS FIELD MAINTENANCE	3,109.50
207-000.000-930.020	MAINTENANCE - FERTILIZER	135.93
101-820.000-930.020	MAINTENACE - FERTILIZER	135.93
101-265.000-930.020	MAINTENANCE - FERTILIZER	271.89
		<u>3,653.25</u>

VENDOR TOTAL: 3,653.25

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

UNJOURNALIZED OPEN

Item 6.

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
HAMBURGT02	HAMBURG TOWNSHIP TREASURER	10/14/2024	93024	GEN	PD SEWER 07/01-09/30/2024	
78781		11/07/2024		N		1,185.70
09/30/2024	,	/ /	0.0000	N		0.00
		11/07/2024		N		1,185.70

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-917.000	SEWER USAGE	1,185.70

VENDOR TOTAL: 1,185.70

EMERGENC06	HOLLAND MOTOR HOMES & BUS CO	10/22/2024	020869	GEN	FD VEHICLE REPLACEMENT LIGHTING	
78838	DBA EMERGENCY VEHICLES PLUS	11/07/2024	20240562	N		814.52
10/08/2024	670 E. 16TH STREET	/ /	0.0000	N		0.00
	HOLLAND MI, 49423	11/07/2024		Y		814.52

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-932.000	LED GROUND LIGHT WITHOUT BRACKET	193.54	193.54
206-000.000-932.000	RED CLEARANCE LIGHT	15.24	15.24
206-000.000-932.000	LUMABAR H20 LED	582.52	582.52
206-000.000-932.000	FREIGHT	23.22	23.22
		814.52	814.52

VENDOR TOTAL: 814.52

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

UNJOURNALIZED OPEN

Item 6.

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	213621	GEN	FD - UNIFORM ALTERATIONS & ACCESSORI	
78840	56477 GRAND RIVER AVE.	11/07/2024	20240538	N		69.99
09/25/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		69.99

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	ALTERATIONS, ACCESSORIES	69.99	69.99

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	213700	GEN	FD - UNIFORM PANTS, ACCESSORIES INV	
78841	56477 GRAND RIVER AVE.	11/07/2024	20240540	N		100.98
09/27/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		100.98

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	PANTS & ACCESSORY	100.98	100.98

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	213701	GEN	FD - UNIFORM PANT & ACCESSORY INV #2	
78842	56477 GRAND RIVER AVE.	11/07/2024	20240539	N		100.98
09/27/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		100.98

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	PANTS & ACCESSORY	100.98	100.98

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	213702	GEN	FD - UNIFORM ACCESSORY INV #213702 O	
78843	56477 GRAND RIVER AVE.	11/07/2024	20240537	N		39.99
09/27/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		39.99

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	GARRISON BELT/PROTECTOR	39.99	39.99

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	214146	GEN	FD - MEN'S ADU RIPSTOP CAR PNTS, DUF	
78846	56477 GRAND RIVER AVE.	11/07/2024	20240587	N		60.99
10/08/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		60.99

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	MEN'S ADU RIPSTOP CAR PNTS	60.99	60.99

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

UNJOURNALIZED OPEN

Item 6.

BANK CODE: GEN

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

HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	214147	GEN	FD - MEN'S ADU RIPSTOP CAR PNTS, VAN	
78844	56477 GRAND RIVER AVE.	11/07/2024	20240588	N		60.99
10/08/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		60.99

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	MEN'S ADU RIPSTOP CAR PNTS	60.99	60.99

HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/22/2024	214158	GEN	FD - UNIFORM PIECES, ZETTEL INV #214	
78845	56477 GRAND RIVER AVE.	11/07/2024	20240586	N		998.91
10/08/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		998.91

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	ALTERATIONS	18.00	18.00
206-000.000-768.000	EMBROIDERY	135.00	135.00
206-000.000-768.000	WMN POLO L/S	103.98	103.98
206-000.000-768.000	JOB SHIRT	69.99	69.99
206-000.000-768.000	WMN 5.11 PERF POLO S/S	45.99	45.99
206-000.000-768.000	BLAUER FLEECE JACKET	149.99	149.99
206-000.000-768.000	BLAUER RESPONSE PARKA	259.99	259.99
206-000.000-768.000	GARRISON BELT/PROTECTOR	39.99	39.99
206-000.000-768.000	WMN STRYKE PDU PANTS	175.98	175.98
		<u>998.91</u>	

HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/28/2024	214379	GEN	PD UNIFORMS - DUHAIME	
78917	56477 GRAND RIVER AVE.	11/07/2024	20240602	N		416.95
10/14/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		416.95

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	PANTS, SHIRTS, BELT	416.95	416.95

HRNVLLYGUN	HURON VALLEY GUNS, LLC	10/28/2024	214454	GEN	PD STANDARD GUARD GLOVE W/KEVLAR - P	
78918	56477 GRAND RIVER AVE.	11/07/2024	20240601	N		113.97
10/16/2024	NEW HUDSON MI, 48165	/ /	0.0000	N		0.00
		11/07/2024		Y		113.97

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
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Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

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

207-000.000-768.000	STREET GUARD GLOVE W/KEVLAR					113.97	113.97
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VENDOR TOTAL: 1,963.75

HUTSONINC1	HUTSON, INC.	10/22/2024	10652312	GEN	B7G LOCK NUTS/HEX SCREWS/WHEEL DECK/	
78847	3915 TRACTOR DRIVE	11/07/2024		N		124.66
10/15/2024	HOWELL MI, 48855	/ /	0.0000	N		0.00
		11/07/2024		N		124.66

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	124.66

HUTSONINC1	HUTSON, INC.	10/22/2024	10656982	GEN	B7G BEARING CAP	
78848	3915 TRACTOR DRIVE	11/07/2024		N		11.10
10/17/2024	HOWELL MI, 48855	/ /	0.0000	N		0.00
		11/07/2024		N		11.10

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	11.10

HUTSONINC1	HUTSON, INC.	10/28/2024	10665101	GEN	B&G CABOVER 1575 DRIVE PEDAL CABLES	
78932	3915 TRACTOR DRIVE	11/07/2024		N		456.80
10/23/2024	HOWELL MI, 48855	/ /	0.0000	N		0.00
		11/07/2024		N		456.80

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	456.80

VENDOR TOTAL: 592.56

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

UNJOURNALIZED OPEN

Item 6.

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
IMEGCRP#1 78850	IMEG CONSULTANTS CORP ATTN: ACCOUNTS RECEIVABLE PO BOX 182094	10/22/2024 11/07/2024	23000378.02-7	GEN N	PROF SERVICES THROUGH 10/06/24 FREED	1,700.00
10/15/2024	COLUMBUS OH, 43218	/ / 11/07/2024	0.0000	N Y		0.00 1,700.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-538.000-946.100	ENGINEERING SERVICES - FREEDOM RIVER	1,700.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
IMEGCRP#1 78849	IMEG CONSULTANTS CORP ATTN: ACCOUNTS RECEIVABLE PO BOX 182094	10/22/2024 11/07/2024	24003417.01-1	GEN N	PROF SERVICES THROUGH 10/06/24 COKER	1,412.50
10/15/2024	COLUMBUS OH, 43218	/ / 11/07/2024	0.0000	N Y		0.00 1,412.50

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-000.000-198.081	8732 PETTYSVILLE RD	1,412.50

VENDOR TOTAL: 3,112.50

User: MarcyM

DB: Hamburg

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

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

IMEGCORP#1	IMEG CORP.	10/15/2024	23000378.00-6	GEN	PROF SERV THROUGH 10/06/24 FREEDOM R	
78802	ATTN: ACCOUNTS RECEIVABLE	11/07/2024		N		150.00
	623 26TH AVE.					
10/15/2024	ROCK ISLAND IL, 61201	/ /	0.0000	N		0.00
		11/07/2024		Y		150.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
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101-000.000-279.971 FREEDOM RIVER SITE PLAN 150.00

IMEGCORP#1	IMEG CORP.	10/15/2024	23007096.00-8	GEN	PROF SERV THROUGH 10/06/24 HAMBURG V	
78801	ATTN: ACCOUNTS RECEIVABLE	11/07/2024		N		551.00
	623 26TH AVE.					
10/15/2024	ROCK ISLAND IL, 61201	/ /	0.0000	N		0.00
		11/07/2024		Y		551.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
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101-000.000-279.978 HAMBURG VILLAGE TOWNHOMES 551.00

IMEGCORP#1	IMEG CORP.	10/15/2024	24002543.00-3	GEN	PROF SERV THROUGH 10/06/24 LAKELAND V	
78803	ATTN: ACCOUNTS RECEIVABLE	11/07/2024		N		1,007.00
	623 26TH AVE.					
10/15/2024	ROCK ISLAND IL, 61201	/ /	0.0000	N		0.00
		11/07/2024		Y		1,007.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
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101-702.000-617.000 SITE PLAN FEES 1,007.00

VENDOR TOTAL: 1,708.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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Item 6.

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
JJJINKLE01	J. J. JINKLEHEIMER & CO. INC.	10/29/2024	92198	GEN	FD - UNIFORM CAPS & EMBROIDERY #9219	
78982	2705 E. GRAND RIVER AVE.	11/07/2024	20240612	N		144.78
10/25/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		144.78

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	PORT AUTH CAP BUCKLE	25.98	25.98
206-000.000-768.000	FLEXFIT CAP	79.80	79.80
206-000.000-768.000	EMBROIDERY	39.00	39.00
		<u>144.78</u>	<u>144.78</u>

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
JJJINKLE01	J. J. JINKLEHEIMER & CO. INC.	10/29/2024	92199	GEN	FD - UNIFORM TAC POLOS & EMBROIDERY	
78979	2705 E. GRAND RIVER AVE.	11/07/2024	20240615	N		653.88
10/25/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		653.88

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	MENS TAC POLOS S/S LG	440.91	440.91
206-000.000-768.000	MENS TAC POLOS S/S XL	134.97	134.97
206-000.000-768.000	EMBROIDERY	78.00	78.00
		<u>653.88</u>	<u>653.88</u>

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
JJJINKLE01	J. J. JINKLEHEIMER & CO. INC.	10/29/2024	92200	GEN	FD - UNIFORM POLOS, EBROIDERY	
78980	2705 E. GRAND RIVER AVE.	11/07/2024	20240614	N		212.50
10/25/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		212.50

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	LONG AND SHORT SLEEVED TAN POLOS	154.00	154.00
206-000.000-768.000	EMBROIDERY	58.50	58.50
		<u>212.50</u>	<u>212.50</u>

VENDOR TOTAL: 1,011.16

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

Item 6.

DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN

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

KENTCOMMNC	KCI	10/30/2024	102924	GEN	ASSESSING-PERS PROPERTY JOB #233433	
78990	38110 N. EXECUTIVE	11/07/2024		N		22.42
	SUITE 100					
10/29/2024	WESTLAND MI, 48185	/ /	0.0000	Y		0.00
		11/07/2024		Y		22.42

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-257.000-902.200	ASSESSMENT ROLL PREP	22.42

KENTCOMMNC	KCI	10/29/2024	PA-Q237489	GEN	PREPAID POSTAGE HAMBURG UB	
78985	3901 EAST PARIS AVE. S.E.	11/07/2024		N		3,270.00
10/29/2024	GRAND RAPIDS MI, 49512	/ /	0.0000	N		0.00
		11/07/2024		Y		3,270.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-851.000	POSTAGE	3,270.00

VENDOR TOTAL: 3,292.42

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

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

KENNEDYI01	KENNEDY INDUSTRIES, INC.	10/28/2024	642467	GEN	DPW WINANAS, FIELD SERV, SANITARY	
78936	P.O. BOX 930079	11/07/2024		N		900.00
07/01/2024	WIXOM MI, 48393	/ /	0.0000	N		0.00
		11/07/2024		N		900.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	900.00

KENNEDYI01	KENNEDY INDUSTRIES, INC.	10/22/2024	643254	GEN	DPW KRESS RD ,CONTROLS SERVICE, WAST	
78857	P.O. BOX 930079	11/07/2024		N		778.50
08/29/2024	WIXOM MI, 48393	/ /	0.0000	N		0.00
		11/07/2024		N		778.50

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	778.50

KENNEDYI01	KENNEDY INDUSTRIES, INC.	10/22/2024	643473	GEN	DPW KRESS RD TRANSFORMERS, VARIOUS	
78858	P.O. BOX 930079	11/07/2024		N		162.27
09/17/2024	WIXOM MI, 48393	/ /	0.0000	N		0.00
		11/07/2024		N		162.27

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	162.27

VENDOR TOTAL: 1,840.77

LEEDSKIM	KIM LEEDS	10/28/2024	10282024	GEN	PD TUITION REIMBURSEMENT CED641 INTR	
78942	2727 PINCKNEY RD.	11/07/2024		N		2,379.00
10/28/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		2,379.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-914.000	TUITION REIMBURSEMENT	2,379.00

VENDOR TOTAL: 2,379.00

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
KINGKLEA01	KING KLEANERS	10/14/2024	100224	GEN	PD UNIFORM DRY CLEANING 9/1/24 TO 9/	
78784	5589 E. M-36	11/07/2024	20240565	N		323.00
	SUITE B3					
10/02/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		Y		323.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-768.000	SEPTEMBER 2024 DRY CLEANING	323.00	323.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
KINGKLEA01	KING KLEANERS	10/22/2024	10224	GEN	FD UNIFORM CLEANING FEES SEPTEMBER 2	
78851	5589 E. M-36	11/07/2024	20240567	N		195.00
	SUITE B3					
10/02/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		Y		195.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	DRY CLEANING SEPTEMBER	195.00	195.00

VENDOR TOTAL: 518.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
LAKELAND01	LAKELAND ACE HARDWARE, INC.	10/15/2024	11897/1	GEN	FD HOSE NOZ	
78799	PO BOX 1000	11/07/2024		N		29.98
10/13/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		N		29.98

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	29.98

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
LAKELAND01	LAKELAND ACE HARDWARE, INC.	10/30/2024	11996/1	GEN	FD - BUTT CONNECTORS FOR WIRE REPAIR	
78991	PO BOX 1000	11/07/2024	20240618	N		31.98
10/28/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		N		31.98

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-752.000	BUTT CONNECTORS	31.98	31.98

VENDOR TOTAL: 61.96

User: MarcyM

DB: Hamburg

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UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
LAKESIDESV	LAKESIDE SERVICE COMPANY	10/22/2024	163013778	GEN	SEN CTR THERMOSTAT REP	
78853	4367 S. OLD US HWY 23	11/07/2024		N		247.00
10/21/2024	BRIGHTON MI, 48114	/ /	0.0000	N		0.00
		11/07/2024		Y		247.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-820.000-930.001	MAINTENANCE COMM CENTER	247.00

VENDOR TOTAL: 247.00

LANDSEND	LAND'S END	10/28/2024	SIN12390491	GEN	PROGRAM CERT	
78940	1 LANDS END LANE	11/07/2024		N		500.00
10/09/2024	DODGEVILLE WI, 53595	/ /	0.0000	N		0.00
		11/07/2024		Y		500.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-955.000	SUNDRY	500.00

VENDOR TOTAL: 500.00

LIVINGST28	LCGIS	10/22/2024	13613	GEN	PD 4TH QUARTER OSSI 2024 CONNECTION	
78889	304 E. GRAND RIVER, STE. 101	11/07/2024	20240592	N		900.00
10/17/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		900.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-933.000	OSSI CONNECTION FEES	900.00	900.00

VENDOR TOTAL: 900.00

LEWBENDER1	LEWIS G. BENDER	10/22/2024	101124	GEN	FD REGISTRATION FOR COMMAND OFFICER	
78852	P.O. BOX 330	11/07/2024	20240566	N		1,755.00
10/11/2024	LEROY MI, 49655	/ /	0.0000	N		0.00
		11/07/2024		Y		1,755.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-916.000	REGISTRATION FOR 9 ATTENDEES OCTOBER 18	1,755.00	1,755.00

VENDOR TOTAL: 1,755.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

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

MISC REFUN	LINDA SIEBERT	10/22/2024	102224	GEN	SEN CTR BAZAAR TABLE REFUND	
78893	10884 BOB WHITE BEACH BLVD	11/07/2024		N		60.00
10/22/2024	WHITMORE LAKE MI, 48189	/ /	0.0000	Y		0.00
		11/07/2024		N		60.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-239.000	SENIOR CENTER DONATIONS	60.00

VENDOR TOTAL: 60.00

LIVINGST16	LIVINGSTON CO. DRAIN COMMISSIONER	10/22/2024	101024	GEN	LCDC SERVICES SEPTEMBER 2024	
78854	2300 E. GRAND RIVER	11/07/2024		N		2,710.68
	SUITE 105					
10/10/2024	HOWELL MI, 48843-7581	/ /	0.0000	N		0.00
		11/07/2024		N		2,710.68

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	2,710.68

VENDOR TOTAL: 2,710.68

LIVINGST08	LIVINGSTON CO. TREASURERS' ASSOC.	10/29/2024	102924	GEN	TREASURY LUNCHEON MARIANI/DEADMAN	
78983	C/O CHRISTINE ANDREWS	11/07/2024		N		58.00
	1577 NORTH LATSON RD					
10/29/2024	HOWELL MI, 48843	/ /	0.0000	Y		0.00
		11/07/2024		N		58.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-253.000-955.000	SUNDRY	58.00

VENDOR TOTAL: 58.00

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UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
LIVINGST21	LIVINGSTON COUNTY EDUCATIONAL	10/21/2024	102124	GEN	TAX DISTRIBUTION TAXES COLLECTED 10/	
78809	FINANCE OFFICE	10/21/2024		N		8,715.57
	1425 W GRAND RIVER					
10/21/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		10/21/2024		N		8,715.57

Open

GL NUMBER	DESCRIPTION	AMOUNT
703-000.000-234.101	DUE TO LISD TAX	8,533.35
703-000.000-234.101	DUE TO LISD TAX	182.22
		<u>8,715.57</u>

VENDOR TOTAL: 8,715.57

LIVINGST12	LIVINGSTON COUNTY REGISTER OF DEEDS	10/22/2024	101624	GEN	HOLD HARMLESS AGREEMENT FORM BOYLES	
78860	200 E. GRAND RIVER AVE.	11/07/2024		N		30.00
	SUITE 3					
10/16/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		30.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	30.00

LIVINGST12	LIVINGSTON COUNTY REGISTER OF DEEDS	10/23/2024	102124	GEN	HOLD HARMLESS AGREEMENT PASSUCCI	
78896	200 E. GRAND RIVER AVE.	11/07/2024		N		30.00
	SUITE 3					
10/21/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		30.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-955.000	SUNDRY	30.00

LIVINGST12	LIVINGSTON COUNTY REGISTER OF DEEDS	10/22/2024	102224	GEN	SEWER AGREEMENT / EASEMENT AGREEMENT	
78884	200 E. GRAND RIVER AVE.	11/07/2024		N		60.00
	SUITE 3					
10/22/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		N		60.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-538.000-955.000	SUNDRY	60.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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DB: Hamburg

UNJOURNALIZED OPEN

BANK CODE: GEN

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

VENDOR TOTAL: 120.00

LIVINGST02	LIVINGSTON COUNTY TREASURER	10/21/2024	102124	GEN	TAX DISTRIBUTION TAXES COLLECTED 10/	
78807	LIVINGSTON COUNTY COURT HOUSE	10/21/2024		N		128,440.31
	200 E. GRAND RIVER					
10/21/2024	HOWELL MI, 48843-2398	/ /	0.0000	N		0.00
		10/21/2024		N		128,440.31

Open

GL NUMBER	DESCRIPTION	AMOUNT
703-000.000-222.101	DUE TO COUNTY TAXES	43,746.00
703-000.000-222.101	DUE TO COUNTY TAXES	880.52
703-000.000-222.500	DUE TO COUNTY SET	82,160.17
703-000.000-222.500	DUE TO COUNTY SET	1,653.62
		128,440.31

VENDOR TOTAL: 128,440.31

MEALSWHEEL	LIVINGSTON/WEST OAKLAKD COUNTIES	10/22/2024	90424	GEN	SEN CTR BIRTHDAY LUNCHEON	
78856	MEALS ON WHEELS PROGRAM	11/07/2024		N		108.00
	11600 GRAND RIVER AVE.					
09/04/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		N		108.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-820.000-804.000	SENIOR PROGRAMS	108.00

VENDOR TOTAL: 108.00

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UNJOURNALIZED OPEN

BANK CODE: GEN

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

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/22/2024	6013251	GEN	FD - JOB SHIRT XL INV #6013251	
78862	PO BOX 2068	11/07/2024	20240581	N		69.53
10/14/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		69.53

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	ELBECO JOB SHIRT XL	69.53	69.53

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/22/2024	6014746	GEN	FD - JOB SHIRT INV #6014746	
78863	PO BOX 2068	11/07/2024	20240580	N		69.53
10/16/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		69.53

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	JOB SHIRT	69.53	69.53

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/23/2024	6015279	GEN	CREDIT MEMO FOR RETURN	
78905	PO BOX 2068	11/07/2024		N		(69.53)
10/17/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		(69.53)

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-768.000	UNIFORMS/ACCESSORIES	(69.53)

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/23/2024	6016705	GEN	FD - JOB SHIRT FLEX TECH INV #60167	
78902	PO BOX 2068	11/07/2024	20240596	N		69.53
10/18/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		69.53

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	JOB SHIRT FLEX TECH FULL ZIP	69.53	69.53

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/23/2024	6016936	GEN	FD - UNIFORM PANTS INV #6016936	
78903	PO BOX 2068	11/07/2024	20240595	N		236.52
10/18/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		236.52

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	STRYKE PANT W FLEX-TAC 36X32	118.26	118.26

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BANK CODE: GEN

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

206-000.000-768.000	PANT STRYKE KHAKI 36X32					118.26
						118.26
						236.52

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/29/2024	6021771	GEN	FD - UNIFORM PANTS #6021771	
78981	PO BOX 2068	11/07/2024	20240613	N		59.13
10/26/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		59.13

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	511 STRYKE PANTS 32/32	59.13	59.13

MALLORY SA	MALLORY SAFETY AND SUPPLY	10/22/2024	6042021	GEN	FD UNIFORM POLO SHIRTS INVOICE 60120	
78861	PO BOX 2068	11/07/2024	20240573	N		242.50
10/11/2024	LONGVIEW WA, 98632	/ /	0.0000	N		0.00
		11/07/2024		Y		242.50

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-768.000	GRAY XL POLO	48.50	48.50
206-000.000-768.000	NAVY XL POLO	48.50	48.50
206-000.000-768.000	WHITE XL POLO	48.50	48.50
206-000.000-768.000	GRAY L POLO	48.50	48.50
206-000.000-768.000	WHITE L POLO	48.50	48.50
		242.50	

VENDOR TOTAL: 677.21

PLYMOUTH01	MATHESON TRI-GAS INC.	10/29/2024	0030136113	GEN	DPW SPOOL 10# 308L	
78987	PO BOX 347297	11/07/2024		N		116.28
08/13/2024	PITTSBURGH PA, 15251-4297	/ /	0.0000	N		0.00
		11/07/2024		N		116.28

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	116.28

VENDOR TOTAL: 116.28

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
MECC	MICHIGAN ENGINEERED COMFORT	10/22/2024	84084	GEN	FD - STA 12 HVAC WORK INV	#84084B
78864	2532 PEPPER CT	11/07/2024	20240584	N		3,611.26
10/01/2024	HARTLAND MI, 48353	/ /	0.0000	N		0.00
		11/07/2024		N		3,611.26

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-930.003	STA 12 HVAC WORK	3,611.26	3,611.26

VENDOR TOTAL: 3,611.26

MIMUNICI03	MICHIGAN MUNICIPAL RISK	10/22/2024	10424	GEN	POLICY #M0001291 07/01/24-07/01/25 I
78868	ATTN: TINA WHITE	11/07/2024		N	6,483.00
	14001 MERRIMAN	/ /	0.0000	N	0.00
10/04/2024	LIVONIA MI, 48154	11/07/2024		N	6,483.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-840.000	LIABILITY/CASUALTY INSURANCE	1,013.28
101-275.000-840.000	LIABILITY/CASUALTY INSURANCE	519.34
207-000.000-840.000	LIABILITY/CASUALTY INSURANCE	3,383.28
590-527.000-840.000	LIABILITY/CASUALTY INSURANCE	34.55
206-000.000-840.000	LIABILITY/CASUALTY INSURANCE	1,244.41
101-275.000-840.000	LIABILITY/CASUALTY INSURANCE	288.14
		6,483.00

VENDOR TOTAL: 6,483.00

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
MICHIGANST 78830	MICHIGAN STATE DISBURSEMENT UNIT P.O. BOX 30350	10/22/2024 11/07/2024	102224	GEN N	CASE#810013564 PAYROLL 10/07-10/20/2	59.08
10/22/2024	LANSING MI, 48909-7850	/ /	0.0000	Y		0.00
		11/07/2024		N		59.08

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-228.010	MI CHILD SUPPORT WITHHOLDING	59.08

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
MICHIGANST 78831	MICHIGAN STATE DISBURSEMENT UNIT P.O. BOX 30350	10/22/2024 11/07/2024	102224	GEN N	CASE#912854739 PAYROLL 10/07-10/20/2	380.46
10/22/2024	LANSING MI, 48909-7850	/ /	0.0000	N		0.00
		11/07/2024		N		380.46

Open

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

VENDOR TOTAL: 439.54

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
MERS000001 78910	MUNICIPAL EMPLOYEE'S RETIRE- 1134 MUNICIPAL WAY	10/24/2024 11/01/2024	00160448-4	GEN N	2024-10	44,256.33
10/31/2024	LANSING MI, 48917	/ /	0.0000	N		0.00
		11/01/2024		N		44,256.33

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-231.500	DEFERRED COMPENSATION/457	10,292.84
207-000.000-716.000	DEFINED CONTRIBUTION	33,963.49
		<u>44,256.33</u>

VENDOR TOTAL: 44,256.33

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
MYERSEXC02	MYERS GROUP ENTERPRISES LLC	10/29/2024	2419	GEN	FURNISH AND DELIVER BULK SALT (20 YDS	
78973	8111 HAMMEL ROAD	11/07/2024		N		1,900.00
10/28/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		Y		1,900.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-930.003	MAINTENANCE FIRE HALL	633.32
207-000.000-930.002	MAINTENANCE POLICE BUILDING	316.66
101-265.000-930.000	MAINTENANCE TWP HALL	316.70
101-820.000-930.001	MAINTENANCE COMM CENTER	316.66
101-265.000-930.008	MAINTENANCE LIBRARY	316.66
		<u>1,900.00</u>

VENDOR TOTAL: 1,900.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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BANK CODE: GEN

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

NORTHEASTE	NORTHEASTERN PAINT SUPPLY INC	10/14/2024	406687	GEN	P&R ELEMENT GUARD (3 GAL)	
78786	2883 MCCARTY RD	11/07/2024		N		159.27
08/30/2024	SAGINAW MI, 48603	/ /	0.0000	N		0.00
		11/07/2024		N		159.27

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-751.000-967.962	SPECIAL PROJECTS - MISC IMPROVEMENT	159.27

NORTHEASTE	NORTHEASTERN PAINT SUPPLY INC	10/28/2024	407319	GEN	FD - PAINT AND SUPPLIES FOR DOORS, S	
78924	2883 MCCARTY RD	11/07/2024	20240598	N		61.39
10/23/2024	SAGINAW MI, 48603	/ /	0.0000	N		0.00
		11/07/2024		N		61.39

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-930.003	REGAL SELECT HB SFT-BLK	24.39	24.39
206-000.000-930.003	48MM X 55M FTAPE MULTI 2P	19.84	19.84
206-000.000-930.003	SOFTIP AS (2" ")	8.58	8.58
206-000.000-930.003	ALLPRO GRAY METAL SPRAY	8.58	8.58
		<u>61.39</u>	<u>61.39</u>

NORTHEASTE	NORTHEASTERN PAINT SUPPLY INC	10/28/2024	407321	GEN	FD - PAINT FOR MAN DOOR STA 12	
78923	2883 MCCARTY RD	11/07/2024	20240597	N		53.09
10/23/2024	SAGINAW MI, 48603	/ /	0.0000	N		0.00
		11/07/2024		N		53.09

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-930.003	ELEMENT GUARD EXT SG-BASE	53.09	53.09

VENDOR TOTAL: 273.75

PESPRSEPTC	PATRICK ESPER SEPTIC	10/15/2024	2797	GEN	DPW SEPTIC SERVICES (2)	
78796	5700 EMMONS ROAD	11/07/2024		N		2,500.00
10/09/2024	FOWLerville MI, 48836	/ /	0.0000	N		0.00
		11/07/2024		Y		2,500.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	2,500.00

VENDOR TOTAL: 2,500.00

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User: MarcyM

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Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
PLANTEMO01	PLANTE & MORAN, PLLC	10/22/2024	10265787	GEN	1001975 PROF SERVICES RENDERED PMGAP	
78869	16060 COLLECTIONS CENTER DR	11/07/2024		N		1,500.00
07/01/2024	CHICAGO IL, 60693	/ /	0.0000	N		0.00
		11/07/2024		N		1,500.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-201.000-910.000	PROFESSIONAL DEVELOPMENT	1,500.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
PLANTEMO01	PLANTE & MORAN, PLLC	10/15/2024	10324817	GEN	23-24 AUDIT SERVICES	
78791	16060 COLLECTIONS CENTER DR	11/07/2024		N		18,120.00
10/09/2024	CHICAGO IL, 60693	/ /	0.0000	N		0.00
		11/07/2024		N		18,120.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-954.000	AUDIT	2,200.00
207-000.000-801.000	CONTRACTUAL SERVICES	2,010.00
206-000.000-801.000	CONTRACTUAL SERVICES	2,010.00
590-527.000-801.000	CONTRACTUAL SERVICES	2,245.00
101-275.000-954.000	AUDIT	9,450.00
101-275.000-954.000	AUDIT	205.00
		<u>18,120.00</u>

VENDOR TOTAL: 19,620.00

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
PLYMOUTH P	PLYMOUTH PHYSICAL THERAPY SPECIALIS	10/22/2024	7182024	GEN	SEN CTR BALANCE CLASSES	
78837	9368 LILLEY RD	11/07/2024		N		1,000.00
07/18/2024	PLYMOUTH MI, 48170	/ /	0.0000	N		0.00
		11/07/2024		N		1,000.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-239.000	SENIOR CENTER DONATIONS	1,000.00

VENDOR TOTAL: 1,000.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
PORTTOILTS	PORTABLE TOILET SERVICES LLC	10/15/2024	102696	GEN	P&R 15 PARK UNITS CROSS COUNTRY EVEN	
78788	4900 MCCARTHY DRIVE	11/07/2024		N		600.00
10/01/2024	MILFORD MI, 48381	/ /	0.0000	N		0.00
		11/07/2024		Y		600.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-751.000-942.000	PORTABLE TOILETS	600.00

VENDOR TOTAL: 600.00

RACLARK	RA CLARK ENTERPRISES	10/30/2024	2730	GEN	2024 PRES ELECTION BLACK AND GOLD EA	
78993	3083 ENISGLEN DR	11/07/2024		N		202.00
10/30/2024	PALM HARBOR FL, 34683	/ /	0.0000	N		0.00
		11/07/2024		N		202.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-262.000-752.001	SUPPLIES FOR ELECTIONS	202.00

VENDOR TOTAL: 202.00

REDWINGSHO	RED WING BUSINESS ADVANTAGE ACCOUNT	10/28/2024	182480	GEN	DPW BOOTS M FISHER	
78926	P.O. BOX 844329	11/07/2024		N		197.99
10/22/2024	DALLAS TX, 75284-4329	/ /	0.0000	N		0.00
		11/07/2024		N		197.99

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-768.000	UNIFORMS/ACCESSORIES	197.99

REDWINGSHO	RED WING BUSINESS ADVANTAGE ACCOUNT	10/28/2024	182481	GEN	DPW BOOTS A COCHRANE	
78927	P.O. BOX 844329	11/07/2024		N		197.99
10/22/2024	DALLAS TX, 75284-4329	/ /	0.0000	N		0.00
		11/07/2024		N		197.99

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-768.000	UNIFORMS/ACCESSORIES	197.99

VENDOR TOTAL: 39 60

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BANK CODE: GEN

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

JOHNSNRO01 78872	ROSATI, SCHULTZ, JOPPICH & AMTSBUECHLER, P.C. 27555 EXECUTIVE DRIVE, SUITE 250	10/22/2024 11/07/2024	1082251	GEN N	GENERAL MATTERS	136.00
10/09/2024	FARMINGTON HILLS MI, 48331	/ / 11/07/2024	0.0000	N Y		0.00 136.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-826.000	LEGAL FEES	136.00

JOHNSNRO01 78873	ROSATI, SCHULTZ, JOPPICH & AMTSBUECHLER, P.C. 27555 EXECUTIVE DRIVE, SUITE 250	10/22/2024 11/07/2024	1082252	GEN N	LABOR AND EMPLOYMENT LAW	198.00
10/09/2024	FARMINGTON HILLS MI, 48331	/ / 11/07/2024	0.0000	N Y		0.00 198.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-826.000	LEGAL FEES	198.00

JOHNSNRO01 78874	ROSATI, SCHULTZ, JOPPICH & AMTSBUECHLER, P.C. 27555 EXECUTIVE DRIVE, SUITE 250	10/22/2024 11/07/2024	1082253	GEN N	MARY ANN & STEVEN LAMBKIN-AUDIT RESP	52.50
10/09/2024	FARMINGTON HILLS MI, 48331	/ / 11/07/2024	0.0000	N Y		0.00 52.50

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-101.000-826.000	LEGAL FEES	52.50

JOHNSNRO01 78870	ROSATI, SCHULTZ, JOPPICH & AMTSBUECHLER, P.C. 27555 EXECUTIVE DRIVE, SUITE 250	10/22/2024 11/07/2024	1082254	GEN N	PLANNING AND ZONING MATTERS	735.00
10/09/2024	FARMINGTON HILLS MI, 48331	/ / 11/07/2024	0.0000	N Y		0.00 735.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-279.959	ORE LAKE ESTATES MASTER DEED REVIEW	735.00

JOHNSNRO01 78871	ROSATI, SCHULTZ, JOPPICH & AMTSBUECHLER, P.C. 27555 EXECUTIVE DRIVE, SUITE 250	10/22/2024 11/07/2024	1082255	GEN N	DISTRCT COURT PROSECUTIONS	126.00
10/09/2024	FARMINGTON HILLS MI, 48331	/ /	0.0000	N		

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User: MarcyM

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BANK CODE: GEN

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

		11/07/2024		Y		126.00
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Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-826.000	LEGAL FEES	126.00

VENDOR TOTAL:	1,247.50
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RUBBERST01	RUBBER STAMPS UNLIMITED, INC.	10/15/2024	89090	GEN	CLERK NOTARY MATERIALS	
78792	334 SOUTH HARVEY	11/07/2024		N		79.20
10/10/2024	PLYMOUTH MI, 48170	/ /	0.0000	N		0.00
		11/07/2024		N		79.20

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	79.20

VENDOR TOTAL:	79.20
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RUMELYSREP	RUMELYS REPAIRS	10/30/2024	2000	GEN	PD VEHICLE MAINT LT'S CAR 78922	
78989	7240 CHILSON ROAD	11/07/2024	20240616	N		510.00
10/29/2024	HOWELL MI, 48843	/ /	0.0000	N		0.00
		11/07/2024		Y		510.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	VEHICLE REPAIRS	510.00	510.00

VENDOR TOTAL:	510.00
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WARDRY	RYAN WARD	10/22/2024	102124	GEN	DPW REIMBURSE STALL MAT PURCHASE	
78883		11/07/2024		N		34.99
10/21/2024	,	/ /	0.0000	N		0.00
		11/07/2024		N		34.99

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-752.000	SUPPLIES & SMALL EQUIPMENT	34.99

VENDOR TOTAL:	34.99
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User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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UNJOURNALIZED OPEN

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
SECURITY02	SECURITY LOCK SERVICE, INC.	10/22/2024	001486	GEN	FD SERVICE CALL-ASSESS KEYPADS INV #	
78877	401 WASHINGTON STREET	11/07/2024	20240554	N		223.00
10/04/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		N		223.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-930.003	SERVICE CALL	78.00	78.00
206-000.000-930.003	COMMERCIAL LABOR 1 HOUR	145.00	145.00
		<u>223.00</u>	<u>223.00</u>

SECURITY02	SECURITY LOCK SERVICE, INC.	10/28/2024	001497	GEN	SEN CTR HANDICAP TRANSMITTER	
78938	401 WASHINGTON STREET	11/07/2024		N		272.25
10/08/2024	BRIGHTON MI, 48116	/ /	0.0000	N		0.00
		11/07/2024		N		272.25

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-820.000-930.001	MAINTENANCE COMM CENTER	272.25

VENDOR TOTAL: 495.25

SERVPRO1	SERVPRO OF BRIGHTON/HOWELL	10/28/2024	5171219	GEN	PD BIO REMEDIATION - CLEANING OF CAR	
78920	2094 PLESS DRIVE	11/07/2024	20240600	N		466.06
10/23/2024	BRIGHTON MI, 48114	/ /	0.0000	N		0.00
		11/07/2024		Y		466.06

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	BIOHAZARD CLEANING OF CAR	466.06	466.06

VENDOR TOTAL: 466.06

SITEONELAN	SITEONE LANDSCAPE SUPPLY, LLC	10/28/2024	147067755-001	GEN	B&G REPAIR SPINNER SALTDG	
78933	24110 NETWORK PLACE	11/07/2024		N		553.09
10/14/2024	CHICAGO IL, 60673-1241	/ /	0.0000	N		0.00
		11/07/2024		Y		553.09

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-931.000	EQUIPMENT MAINT/REPAIR	553.09

VENDOR TOTAL: 553.09

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
SPRINGFIEL 78900	SPRINGFIELD URGENT CARE PLLC 320 TOWN CENTER BLVD. STE. C-101	10/23/2024 11/07/2024	30431/29479	GEN N	EMPLOYEE PHYSICALS	7,458.18
10/18/2024	WHITE LAKE MI, 48386-2183	/ / 11/07/2024	0.0000	N N		0.00 7,458.18

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-955.000	KELLY KOZOWICZ	815.08
590-527.000-843.000	BRIAN DEYOUNG	549.00
206-000.000-843.100	CAITLIN VANSTEENIS	1,218.82
206-000.000-843.100	REBECCA ZETTEL	1,218.82
206-000.000-843.100	CAMERON DUFFANY	1,218.82
206-000.000-843.100	OWEN KELLER	1,218.82
206-000.000-843.100	LUKE DAVILA	1,218.82
		<u>7,458.18</u>

VENDOR TOTAL: 7,458.18

MISC REFUN	SUZANNE HINES	10/22/2024	102224	GEN	SEN CTR BAZAAR TABLE REFUND	
78894	10588 HAMBURG RD	11/07/2024		N		60.00
10/22/2024	PO BOX	/ /	0.0000	Y		0.00
	HAMBURG MI, 48139	11/07/2024		N		60.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-000.000-239.000	SENIOR CENTER DONATIONS	60.00

VENDOR TOTAL: 60.00

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
TELNETWORL	TELNET WORLDWIDE	10/24/2024	78396	GEN	10/15-11/14/2024	
78913	8020 SOLUTIONS CENTER	10/31/2024		N		400.39
10/15/2024	CHICAGO IL, 60677-8000	/ /	0.0000	N		0.00
		10/31/2024		N		400.39

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-853.000	PHONE/COMM/INTERNET	11.44
101-275.000-853.000	PHONE/COMM/INTERNET	131.55
206-000.000-853.000	PHONE/COMM/INTERNET	114.40
207-000.000-853.000	PHONE/COMM/INTERNET	125.84
101-820.000-853.000	PHONE/COMM/INTERNET	17.16
		<u>400.39</u>

VENDOR TOTAL: 400.39

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
		Due Date		1099		
WALLACET01	TONY WALLACE	10/22/2024	102024	GEN	PD REIMBURSE MEALS GRAYLING TRAINING	
78895		11/07/2024		N		45.86
10/20/2024		/ /	0.0000	N		0.00
		11/07/2024		N		45.86

Open

GL NUMBER	DESCRIPTION	AMOUNT
207-000.000-916.000	TRAINING	45.86

VENDOR TOTAL: 45.86

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

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

TOSHIBA	TOSHIBA BUSINESS SOLUTIONS	10/22/2024	6395442	GEN	CPC BILLING 09/01-09/30/24	
78880	PO BOX 927	11/07/2024		N		28.79
10/02/2024	BUFFALO NY, 14240-0927	/ /	0.0000	N		0.00
		11/07/2024		Y		28.79

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-752.000	SUPPLIES & SMALL EQUIPMENT	28.79

TOSHIBA	TOSHIBA BUSINESS SOLUTIONS	10/22/2024	6396187	GEN	FD - STA 12 COPIER CHARGES INV #6396	
78879	PO BOX 927	11/07/2024	20240583	N		9.45
10/03/2024	BUFFALO NY, 14240-0927	/ /	0.0000	N		0.00
		11/07/2024		Y		9.45

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
206-000.000-801.000	STA 12 COPIER	9.45	9.45

TOSHIBA	TOSHIBA BUSINESS SOLUTIONS	10/22/2024	6396215	GEN	CPC BILLING TWP 09/06/24-10/05/24	
78881	PO BOX 927	11/07/2024		N		86.54
10/03/2024	BUFFALO NY, 14240-0927	/ /	0.0000	N		0.00
		11/07/2024		Y		86.54

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-275.000-752.000	SUPPLIES & SMALL EQUIPMENT	86.54

VENDOR TOTAL: 124.78

UGSICHEMIC	UGSI CHEMICAL FEED, INC.	10/28/2024	INV0035844	GEN	KITS, DIAPHRAM, VALVE PVC, BELT JOINT	
78937	PO BOX 779227	11/07/2024		N		1,620.75
10/25/2024	CHICAGO IL, 60677-9227	/ /	0.0000	N		0.00
		11/07/2024		N		1,620.75

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-931.000	EQUIPMENT MAINT/REPAIR	1,620.75

VENDOR TOTAL: 1,620.75

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

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BANK CODE: GEN

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

UISPROGR01	UIS PROGRAMMABLE SERVICES, INC	10/22/2024	530376511	GEN	WWTP SBR BLOWER	
78875	2290 BISHOP CIRCLE EAST	11/07/2024		N		1,600.00
10/10/2024	DEXTER MI, 48130	/ /	0.0000	N		0.00
		11/07/2024		N		1,600.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	1,600.00

UISPROGR01	UIS PROGRAMMABLE SERVICES, INC	10/22/2024	530376579	GEN	WWTP MODIFY SRB PLC	
78876	2290 BISHOP CIRCLE EAST	11/07/2024		N		1,200.00
10/16/2024	DEXTER MI, 48130	/ /	0.0000	N		0.00
		11/07/2024		N		1,200.00

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-537.000-934.100	PUMP & MAIN REPAIR/MAINTENANCE	1,200.00

VENDOR TOTAL: 2,800.00

ULINEINC01	ULINE, INC.	10/23/2024	184632532	GEN	REC STORY WALK PARKING SIGNS	
78897	P.O.BOX 88741	11/07/2024		N		300.41
10/21/2024	CHICAGI IL, 60680-1741	/ /	0.0000	N		0.00
		11/07/2024		N		300.41

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-751.000-967.700	SPECIAL PROJECTS - PARKING LOT	300.41

VENDOR TOTAL: 300.41

VERIZONW01	VERIZON WIRELESS	10/29/2024	9976995138	GEN	DPW ON CALL PHONE 09/23-10/22/24	
78986	PO BOX 15062	11/07/2024		N		50.67
10/22/2024	ALBANY NY, 12212-5062	/ /	0.0000	N		0.00
		11/07/2024		N		50.67

Open

GL NUMBER	DESCRIPTION	AMOUNT
590-527.000-853.000	PHONE/COMM/INTERNET	50.67

VENDOR TOTAL: 50.67

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
W-4SIGNS01	W-4 SIGNS	10/22/2024	28703	GEN	PD INSTALLATION OF VEHICLE GRAPHICS	
78890	8200 GRAND RIVER AVE.	11/07/2024	20240575	N		495.00
10/16/2024	BRIGHTON MI, 48114	/ /	0.0000	N		0.00
		11/07/2024		Y		495.00

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	INSTALLATION OF VEHICLE GRAPHICS	495.00	495.00

VENDOR TOTAL: 495.00

WCAASSESSG	WCA ASSESSING LLC	10/22/2024	102124	GEN	ASSESSMENT SERVICES NOVEMBER 2024	
78882	38110 N. EXECUTIVE #100	11/07/2024		N		29,893.33
10/21/2024	WESTLAND MI, 48185	/ /	0.0000	N		0.00
		11/07/2024		Y		29,893.33

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-257.000-801.000	CONTRACTUAL SERVICES	29,893.33

VENDOR TOTAL: 29,893.33

SUNOCOTO01	WEX BANK	10/23/2024	99772545	GEN	FUEL PURCHASES 08/24-09/23/2024	
78899	P.O. BOX 6293	10/18/2024		N		1,692.86
09/23/2024	CAROL STREAM IL, 60197	/ /	0.0000	N		0.00
		10/18/2024		N		1,692.86

Open

GL NUMBER	DESCRIPTION	AMOUNT
101-265.000-759.000	VEHICLE FUEL	455.62
590-527.000-759.000	VEHICLE FUEL	1,086.53
101-275.000-759.000	VEHICLE FUEL	151.71
590-527.000-759.000	VEHICLE FUEL	(1.00)
		1,692.86

VENDOR TOTAL: 1,692.86

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

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BANK CODE: GEN

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

WASTMANAGM 78974	WM CORPORATE SERVICES, INC. AS PAY AGENT P.O. BOX 4648	10/29/2024 11/07/2024	0109717-1389-5	GEN N	08/01-08/30/24	1,624.43
09/04/2024	CAROL STREAM IL, 60197-4648	/ / 11/07/2024	0.0000	N N		0.00 1,624.43

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-919.000	TRASH DISPOSAL	330.29
101-751.000-919.000	TRASH DISPOSAL	213.76
590-537.000-919.000	TRASH DISPOSAL	603.24
101-820.000-919.000	TRASH DISPOSAL	196.86
101-265.000-919.000	TRASH DISPOSAL	145.06
207-000.000-801.000	CONTRACTUAL SERVICES	135.22
		1,624.43

WASTMANAGM 78984	WM CORPORATE SERVICES, INC. AS PAY AGENT P.O. BOX 4648	10/29/2024 11/07/2024	0112707-1389-1	GEN N	09/01-09/30/24	947.64
10/02/2024	CAROL STREAM IL, 60197-4648	/ / 11/07/2024	0.0000	N N		0.00 947.64

Open

GL NUMBER	DESCRIPTION	AMOUNT
206-000.000-919.000	TRASH DISPOSAL	166.88
101-751.000-919.000	TRASH DISPOSAL	206.10
590-537.000-919.000	TRASH DISPOSAL	145.58
101-820.000-919.000	TRASH DISPOSAL	189.20
206-000.000-919.000	TRASH DISPOSAL	168.63
101-265.000-919.000	TRASH DISPOSAL	137.40
207-000.000-801.000	CONTRACTUAL SERVICES	150.35
590-537.000-919.000	TRASH DISPOSAL	(225.00)
101-265.000-919.000	TRASH DISPOSAL	8.50
		947.64

VENDOR TOTAL: 2,572.07

User: MarcyM

EXP CHECK RUN DATES 10/01/2024 - 11/07/2024

DB: Hamburg

Item 6.

UNJOURNALIZED OPEN

BANK CODE: GEN

Vendor Code	Vendor name	Post Date	Invoice	Bank	Invoice Description	Gross Amount
Ref #	Address	CK Run Date	PO	Hold		Discount
Invoice Date	City/State/Zip	Disc. Date	Disc. %	Sep CK		Net Amount
WONDERMARN	WONDERLAND MARINE WEST, INC.	10/22/2024	WO006346	GEN	PD WINTERIZE & SHRINK WRAP	
78891	8789 MCGREGOR RD	11/07/2024	20240590	N		480.16
10/04/2024	PINCKNEY MI, 48169	/ /	0.0000	N		0.00
		11/07/2024		N		480.16

Open

GL NUMBER	DESCRIPTION	AMOUNT	AMT RELIEVED
207-000.000-932.000	OIL & FILTER CHG PLUS WINTERIZE JOB 1	347.16	347.16
207-000.000-932.000	SHRINK WRAP JOB 2	133.00	133.00
		<u>480.16</u>	<u>480.16</u>
	VENDOR TOTAL:		<u>480.16</u>
	TOTAL - ALL VENDORS:		<u>574,394.13</u>



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

TO: Hamburg Township Board of Trustees

FROM: Pat Hohl

DATE: October 30, 2024

AGENDA ITEM TOPIC: Township Manger discussion

Number of Supporting Documents: 1

Requested Action

I request that the township board decide if it intends to move forward with advertising for, interviewing and hiring a Township Manager; and by board motion, memorialize in the township board minutes its decision on the matter.

Should the board decide to move forward and seek a Township Manager I ask the board to approve the attached Township Managers Job Description and establish a pay range for the position. I recommend the pay range mirror the current pay Grade 12.

Background

In my 2024/2025 Goals and Objectives, during our April 16, 2024 Strategic Planning Meeting, and at subsequent board meetings the board of trustees has had general discussion regarding the hiring of a Township Manager. Should the board of trustees decide to move forward I suggest the following timeline:

- Advertise on all pertinent sites the position of Hamburg Township Manager as an exempt full-time position with all benefits provided to full-time exempt employees with an annual starting salary range of \$98,000 to \$110,000. Application period of November 8, 2024 to November 27, 2024.
- Direct the Supervisor, Clerk and Treasurer to vet all applications and forward resumes and cover letters of qualified candidates to the board of trustees at the December 3, 2024 township board meeting. With the board narrowing the candidate field to no more than 5 candidates to be interviewed at a Special Meeting of the board during the week of December 9, 2024 with the intent of offering the position of Hamburg Township Manager to the most qualified interviewee should a suitable candidate be identified.

Hamburg Township Job Description

JOB TITLE: **Township Manager**
Full time exempt

REPORTS TO: Township Board of Trustees

JOB SUMMARY:

The Township Manager position is a full-time, at-will position that serves at the pleasure of the Township Board of Trustees pursuant to MCL 41.75a. The Township Manager reports directly to and works under the general direction of the Township Board of Trustees. However, to facilitate communications and operational stability the Township Manager will be overseen on a day-to-day basis and will meet weekly with the Township Administrative team of the Clerk, Supervisor and Treasurer.

The primary role of the Township Manager position is the overall management of Township business and personnel in the various Township departments, as assigned. This includes developing and implementing policies, promoting efficient operations throughout the Township by facilitating interdepartmental cooperation, undertaking special projects on behalf of the Township, assisting in developing and implementing the Township Budget, drafting memos and making presentations to the Township Board, and ensuring that performance objectives of the assigned departments are accomplished in accordance with the goals and objectives adopted by the Township Board.

PRIMARY DUTIES & RESPONSIBILITIES:

1. Oversees the day-to-day operations of the Township, except those statutory duties required of the Supervisor, Clerk and Township Treasurer
2. Assists in developing and implementing Township administrative and personnel policies.
3. Assists in developing the Township Budget and in the annual budget process.
4. Drafts memos and makes presentations to the Township Board.
5. Provides guidance and support to department heads and other staff in accomplishing their administrative duties.
6. Facilitates interdepartmental cooperation in the carrying out of Township business.

7. Ensures compliance with local, state and federal laws in the execution of the duties and responsibilities of each assigned department and seeks legal advice from Township Attorney when appropriate.
8. Notifies Township Supervisor and Township Attorneys on all matters where the Township may be exposed to legal liability.
9. Works closely with Township Attorneys and provides necessary updates, analysis and documents as necessary.
10. Ensures compliance with Township work rules, policies and procedures of personnel in assigned departments.
11. Represents the Township at public meetings, conferences and events as directed by and coordinated with the Township Supervisor or Township Board.
12. Serves as a member of the Public Administration Team.
13. Functions as the Township Human Resources Director
14. Functions as the Director of Parks and Recreation.
15. Administers grant applications and related grant activities with the assistance of staff and contracted grant writing consultants.
16. Carries out additional administrative and managerial functions as directed by the Township Board.

MINIMUM QUALIFICATIONS:

1. Bachelor's degree, or higher, in public administration, business administration, or other relevant field.
2. Minimum of 5 years of experience in a senior governmental management position (department head or higher).

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

1. Knowledge of Township organizational structure and statutory duties/responsibilities of the Township Board and various Township officials.
2. Knowledge of public-sector budgetary process.
3. Knowledge of process for enacting or amending municipal ordinances.
4. Knowledge of employment-related laws and regulations.
5. Excellent verbal and written communication skills.
6. Excellent organizational and time-management skills.
7. Excellent management and leadership skills with proven ability to foster positive working relationships and develop highly functioning teams.

- 8. Strong analytical and problem-solving skills.
- 9. Ability to prioritize tasks and to delegate them when appropriate.
- 10. Ability to work effectively under stress and within required time deadlines.
- 11. Ability to handle sensitive employee-related matters with integrity, professionalism and confidentiality.
- 12. Ability to read and interpret municipal ordinances, state and federal statutes, administrative and regulatory rules, with ability to identify potential legal issues requiring the involvement of the Township attorney.

WORKING CONDITIONS:

Normal office environment with occasional exposure to natural environmental conditions when engaged in oversight of field operations.

This job description is intended to describe the general nature and level of work being performed by a person assigned to this job. They are not to be construed as an exhaustive list of all job duties that may be performed by a person so classified.

I have reviewed this job description and find it to be an accurate summary of the position.

Employee

Date



Hamburg Township Public Safety Department



Item 8.

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: October 30, 2024
RE: Agenda Item Topic: **Fire Lieutenant Promotions**
General Ledger #: N/A
Number of Supporting Documents: 1
NEW/OLD BUSINESS: **XXX** New Business

Requested Action

- Motion to approve the promotions of Jess Stewart, Timothy Begnoche, Timothy Mackenzie, Derrick Hill, Jared Kaminski and Joseph Acuff to the position of full-time Fire Lieutenant effective immediately.

Background

On September 3, 2024, the Township Board approved the establishment of a Fire Lieutenant Eligibility list with the intent of promoting 6 current part-time firefighters to the rank of full-time Lieutenant. This was the result of the passage of the Fire millage on August 6, 2024.

A promotional examination process was posted within the department on September 3, 2024 (attached) with a deadline of submitting a letter of interest of September 16, 2024. We received 9 letters of interest from eligible candidates. At the conclusion of the promotional process, the top 6 candidates were as follows:

- Jess Stewart
- Timothy Begnoche
- Timothy Mackenzie
- Derrick Hill
- Jared Kaminski
- Joseph Acuff

I respectfully request that the Township Board approve the promotion of these 6 candidates to the rank of full-time Lieutenant.



Hamburg Township Public Safety Department

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RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



Item 8.

Budget Impact

These 6 positions were part of the calculations of the requested Fire millage rate passed by the voters of Hamburg Township. As such, there is no adverse impact on the budget.

Respectfully,

A handwritten signature in cursive script that reads "Richard Duffany".

Chief Richard Duffany
Director of Public Safety



Hamburg Township Public Safety Department

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RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



Item 8.

JOB POSTING

The Hamburg Township Public Safety Department is hereby posting the following position:

FIRE LIEUTENANT (Full Time)

Posted: September 4, 2024.

Overview

The purpose of the Lieutenant position is to provide operational and administrative command support to the department as directed. The primary job responsibility of the Lieutenant is to respond to all emergencies occurring during their shift and to assume scene command on all incidents unless relieved of that responsibility by a higher authority. Secondary job responsibilities will include coordinating and executing daily training needs, mentoring and developing job skills of part-time officers and firefighters, and ensuring the operational readiness of all department apparatus and equipment. Lieutenants shall be required to maintain membership on a Special Response Team.

Job Description

Please see attached *Fire Lieutenant Job Description* (SOP #400-09) for a complete description of all job duties and responsibilities for this position.

Work Schedule

This is a full-time position that will be assigned to work 24-hour shifts with a fixed rotation of work/leave days.

Compensation

Starting Salary: \$58,576.36 per year.

Benefits: This position will receive all benefits provided to full-time Hamburg Township employees as determined by the Hamburg Township Board of Trustees.



Hamburg Township Public Safety Department



Item 8.

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

Minimum Qualifications

Interested candidates must possess the following minimum qualifications to be eligible to apply for the position of Lieutenant:

1. Graduation from high school or GED equivalent.
2. Current member in good standing with Hamburg Township Fire.
3. Five (5) or more years of fire service experience.
4. Possession of a Michigan driver’s license with an acceptable driving record as prescribed by this department.
5. State of Michigan Fire Fighter I & II with Hazmat Operations.
6. EMT-Basic, or higher, license in the State of Michigan.
7. Pre-Hospital Trauma Life Support (PHTLS) Certificate

Lieutenants must also obtain the following certifications:

1. Fire Instructor I within one year of appointment.
2. Fire Officer I and Fire Officer II within one year of appointment.
3. Blue Card certification within one year of appointment.

Application and Selection

The selection process for the position of Lieutenant shall be as follows:

1. **External Oral Interview – 50%**
This will consist of three Fire Command Officers from outside of the department who will present questions to the candidate to evaluate their knowledge, experience, operational skill level and overall suitability for the position.
External interviews will be conducted on September 25, 2024 and September 26, 2024.
2. **Internal Oral Interview – 50%**
This will consist of the Director of Public Safety, Deputy Director and Deputy Chief who will present questions to the candidate to evaluate their management, leadership and organizational skill level and potential.
Internal interviews will be conducted on October 8, 2024 and October 9, 2024.



Hamburg Township Public Safety Department

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RICHARD DUFFANY, DIRECTOR OF PUBLIC SAFETY



Item 8.

Please note the following regarding interviews:

1. Both interviews will be held in the Sgt. Sanderson Multipurpose Room located in the Hamburg Township Police Station.
2. Attire for both interviews shall be long-sleeve Class B uniforms with tie.

At the conclusion of the selection process, an eligibility list will be established ranking in order those candidates who are eligible for promotion to the position of Lieutenant. This eligibility list shall remain valid for 2 years from the date it is established. The Director of Public Safety shall then recommend to the Hamburg Township Board of Trustees the candidates with the highest cumulative scores in rank order be appointed to the position of Lieutenant.

Application

Any qualified candidate interested in this position should submit a letter of interest via department email to the Director of Public Safety **no later than 1600 hours on Monday, September 16, 2024.**

Respectfully,

Chief Richard Duffany
Director of Public Safety



Hamburg Township Public Safety Department



Item 9.

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: October 30, 2024
RE: Agenda Item Topic: **Purchase of LUCAS Device**
General Ledger #: **206-000.000-980.000**
Number of Supporting Documents: **1**

NEW/OLD BUSINESS: **XXX** New Business
_____ Old Business – Previous Agenda #:

Requested Board Action

- Motion to approve the purchase of a LUCAS device and 5-year maintenance agreement from Stryker Sales, as outlined in the attached quote, at a cost of \$26,931.48.

Background Information

HTFD currently has one LUCAS chest compression system in service which is stored on Engine 11, our primary response engine. With the addition of the six new lieutenants, it is our intention to add an additional engine to primary response from station 12. Consequently, Engine 12 will need to be equipped with a new LUCAS device. This device has already been included as part of both our current FY Budget and our current Capital Improvement Forecast. The device will be purchased directly from the manufacturer, as they are a single source supplier for this piece of equipment. The cost of the LUCAS device is \$20,757.45 plus \$5,844.60 for a 5-year service/maintenance agreement, for a total cost of \$26,931.48.

Budget Impact

The cost of this purchase was included in the adopted FY 24/25 budget.

Respectfully,

Chief Richard Duffany
Director of Public Safety



LUCAS

Quote Number: 10955722

Remit to: Stryker Sales, LLC
21343 NETWORK PLACE
CHICAGO IL 60673-1213
USA

Version: 1

Prepared For: HAMBURG TWP FIRE DEPT
Attn:

Rep: Jamie Smith
Email: jamie.smith@stryker.com
Phone Number:
Mobile: (269) 303-1257

Quote Date: 07/17/2024

Expiration Date: 01/21/2025

Contract Start: 07/17/2024

Contract End: 07/16/2025

Delivery Address		Sold To - Shipping		Bill To Account	
Name:	HAMBURG TWP FIRE DEPT	Name:	HAMBURG TWP FIRE DEPT	Name:	HAMBURG TWP FIRE DEPT
Account #:	20075710	Account #:	20075710	Account #:	20075145
Address:	10100 VETERANS MEMORIAL DR WHITMORE LAKE Michigan 48189	Address:	10100 VETERANS MEMORIAL DR WHITMORE LAKE Michigan 48189	Address:	

Equipment Products:

#	Product	Description	Qty	Sell Price	Total
1.0	99576-000063	LUCAS 3, v3.1 Chest Compression System, Includes Hard Shell Case, Slim Back Plate, (2) Patient Straps, (1) Stabilization Strap, (2) Suction Cups, (1) Rechargeable Battery and Instructions for use With Each Device	1	\$18,213.65	\$18,213.65
2.0	11576-000060	LUCAS Desk-Top Battery Charger	1	\$1,088.50	\$1,088.50
3.0	11576-000071	LUCAS External Power Supply	1	\$344.40	\$344.40
4.0	11576-000080	LUCAS 3 Battery - Dark Grey - Rechargeable LiPo	1	\$647.50	\$647.50
5.0	11576-000047	LUCAS Disposable Suction Cup (12 pack)	1	\$463.40	\$463.40
Equipment Total:					\$20,757.45

ProCare Products:

#	Product	Description	Qty	Sell Price	Total
6.1	LUCAS-FLD-PROCARE	LUCAS 3, 3.1 for LUCAS 3, v3.1 Chest Compression System, Includes Hard Shell Case, Slim Back Plate, (2) Patient Straps, (1) Stabilization Strap, (2) Suction Cups, (1) Rechargeable Battery and Instructions for use With Each Device <i>5 year coverage (4 year + 1 year warranty) - from delivery</i> Parts, Labor, Travel Preventative Maintenance Batteries Service	1	\$5,844.60	\$5,844.60
ProCare Total:					\$5,844.60



LUCAS

Quote Number: 10955722

Remit to: Stryker Sales, LLC
21343 NETWORK PLACE
CHICAGO IL 60673-1213
USA

Version: 1

Prepared For: HAMBURG TWP FIRE DEPT
Attn:

Rep: Jamie Smith
Email: jamie.smith@stryker.com
Phone Number:
Mobile: (269) 303-1257

Quote Date: 07/17/2024

Expiration Date: 01/21/2025

Contract Start: 07/17/2024

Contract End: 07/16/2025

Price Totals:

Estimated Sales Tax (0.000%):	\$0.00
Freight/Shipping:	\$329.43
Grand Total:	\$26,931.48

Prices: In effect for 30 days

Terms: Net 30 Days

Terms and Conditions:

Deal Consummation: This is a quote and not a commitment. This quote is subject to final credit, pricing, and documentation approval. Legal documentation must be signed before your equipment can be delivered. Documentation will be provided upon completion of our review process and your selection of a payment schedule. Confidentiality Notice: Recipient will not disclose to any third party the terms of this quote or any other information, including any pricing or discounts, offered to be provided by Stryker to Recipient in connection with this quote, without Stryker's prior written approval, except as may be requested by law or by lawful order of any applicable government agency. A copy of Stryker Medical's terms and conditions can be found at https://techweb.stryker.com/Terms_Conditions/index.html.



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 10.

TO: Hamburg Township Board
FROM: Chief Richard Duffany
DATE: October 30, 2024
RE: Agenda Item Topic: **Sale of Police Property**
General Ledger #:
Number of Supporting Documents: N/A

NEW/OLD BUSINESS: **XXX** New Business
_____ Old Business – Previous Agenda #:

Requested Board Action

- Motion to approve the sale of a 2010 Chevrolet HHR (VIN: 3GNBAADB7AS524397) via the MIBID auction system.
- Motion to approve the sale of 2003 Bayliner boat (VIN: BBBC73CUG203) via the MIBID auction system.

Background Information

The department is in possession of a 2010 Chevrolet HHR (VIN: 3GNBAADB7AS524397) which was obtained through the Department of Defense 1033 program in January of 2018. The vehicle is in need of extensive maintenance to keep it functional. A determination has been made that the cost of maintaining the vehicle is not financially sensible.

The department is also in possession of 2003 Bayliner boat (VIN: BBBC73CUG203) which was obtained through the Department of Defense 1033 program in February of 2020. The boat had been dedicated for use by Fire personnel for water rescue response. However, the department recently received a grant for the purchase of a new water rescue boat resulting in the Bayliner boat no longer being needed.

Respectfully,

Chief Richard Duffany
Director of Public Safety

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: October 23, 2024

RE: Final Site Plan Application for General Planned Unit Development (GPUD24-0001)

The proposed project will utilize the General Planned Unit Development (GPUD) regulations (Section 36-439). The proposed project proposes a 208-unit apartment complex with a club house. The complex will be located on old Hamburg Elementary Site. The apartment complex will consist of 22 residential structures, 14 structures with 8 residential units and 15 structures with between 8-16 residential units: a community club house with offices, a gym, a community recreational room, and a pool.

PROJECT LOCATION:

The project is located on a 15-acre site south of E. M-36. The site is accessed by Learning Lane. The site is currently vacant.

PROJECT HISTORY:

Project **PCPUD24-0001**, Site Plan Application for General Planned Unit Development received conceptual site plan review from the Planning Commission on February 21, 2024. No formal action was taken at the meeting and the project was scheduled to be returned to the Planning Commission for formal preliminary site plan review.

The applicant has worked to address the issues raised and the February meeting, including eliminating any three-story building, removing the sports court, expanding the land scaping buffer, and relocating the site pump station.

PCPUD24-0001 received preliminary site plan approval at the May 15, 2024, Planning Commission meeting, with conditions:

PCPUD24-0001 received preliminary site plan approval at the June 4, 2024, Township Board of Trustees meeting, with conditions:

PCPUD24-0001 final site plan review at the September 18, 2024, Planning Commission meeting, was tabled for additional updates by the applicant.

PCPUD24-0001 received final site plan approval at the October 16, 2024, Planning Commission meeting, with conditions:

Condition 1: Prior to the issuance of a land use permit, 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 Environmental, Great Lakes and Energy, and Transportation shall be received.

Item 11.

Condition 2: A development agreement including mater 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 new lighting fixtures presented, including the bollards, are acceptable and the height of the light poles shall not exceed 12 feet.

RECOMMENDATION:

Staff suggests that the Township Board discuss and review the October 16, 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 final 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 (GPUD24-0001)** for the proposed project proposes a 208-unit apartment complex with a club house, with conditions one through three, 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 October 16, 2024, Planning Commission meeting, and as presented in the staff report.

ATTACHMENTS:

Attachment A: Draft October 16, 2024, Planning Commission meeting minutes

Attachment B: October 16, 2024, Planning Commission Staff Report and Exhibits



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

MINUTES

CALL TO ORDER

Commissioner Muck called 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
 - Jeff Muck, Chair
 - Joyce Priebe

- 2) **ABSENT:**
 - none

APPROVAL OF MEETING AGENDA for tonight.

Approval Motion made by Commissioner Mariani, seconded by Commissioner Muir, to approve the agenda as presented.

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

APPROVAL OF THE MEETING MINUTES

Approval Motion made by Commissioner Leabu, seconded by Commissioner Priebe, to approve September 18, 2024, Planning Commission Meeting Minutes with corrections as noted by Commissioners Muir and Hamlin.

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

CALL TO THE PUBLIC

Sarah Bennett- 10582 Livingston St. Spoke on the apartment size of the project being like to adjacent lots. She stated that the apartments were huge in comparison to the surrounding single-family homes that surround this project. One of the Township Board Members requested that the buffer between the homes and this apartment complex be increased. According to Sarah, she stated that she did not feel that the developer met this request since they only met the zoning requirements for the required buffer while they did not increase it. Second, she said that it only appears that grass and fence exist between the apartments and the surrounding homes. She said she doesn't feel that the developer should be able to include the trees on neighboring lots as their required landscape buffer between these two uses. Third, Washington Street entrance and sidewalk that goes to the gas station project as the access to the Lakeland Trails pathway. In the past, the Livingston County Road Commission said that no sidewalks could be installed on Washington and Livingston Streets. If that is still the case, then this stated access will not be available for residents use to access Lakeland Trails. She then posed a question regarding the pump station connected to the gas station, if this project which depends on this station is moving forward but the gas station is not. What then happens?

Brenda Vibbart-10564 Hall Rd. One, she spoke about the fence that will be between the single-family homes and the apartment complex. She stated that it should not be up to each individual homeowner to maintain their side of this fence. She wants the fence to be set back far enough that if any trees fall on the fence, they will not be responsible for its replacement. Two, she wants to ensure that no one will be able to walk through her property so she wanted to propose that the buffer fence should keep running past her parcel to keep teens from accessing residential homes from the Hoskins abandoned property. Three, she asked about any noise reduction devices to reduce sound from the community pool. Fourth, she mentioned that this property will be sandwiched between two gun ranges and they will need to let their renters know about this off-site noise, so they don't bombard the police with unnecessary noise complaints.

Dustin Hitchings- 10530 Hall Rd. One, complimented that the developer for creating a 20 feet setback buffer near his property. Two, he was dissatisfied to see that they did not keep the tree buffer recommended by the planning commission from all parts of his parcel. Three, he stated that this GPUD project has a 30% density increase which doesn't match the Village Center. Four, he mentioned the traffic study and that Commissioner Hughes shared her knowledge regarding a project being an F grade project, and that this site would be such during rush hour.

Megan Osborne- 10548 Hall Rd. One, mentioned that the developer is relying on the single-family homeowner's trees as their landscaping buffer despite that they are falling in the current windstorms. She is concerned that the developer is only proposing to place bushes in between her home and their project as their landscaping buffer.

OLD BUSINESS

1. PPAM #24-001 Final Site Plan Review (PCPUD) for the Lakeland Crossings on Learning Ln. (15-25-400-048)

Chair Muck welcomed David Rohr to present this project from the past to the present. At the last meeting, the planning commission members wanted the develop to address some issues and now they are back to address those issues. The fence being installed around the whole apartment complex and the size of the buffer between the homes and the project. Finally, they increased the lighting in the courtyards and the parking lot, while providing a photometric site plan.

Chair Muck welcomed the owner to the podium, and he said that they listened to the Planning Commissioners regarding their needs for this review, to approve it. He said that their civil engineer was present to address any of the commissioners' technical questions. Chair Muck invited the commissioners to ask questions, comments or motions about this project. Commissioner Leabu said that he complemented their choice in light fixtures, but he wanted to speak about the brackets being contemporary.

Commissioner Hamlin asked if all the lighting fixtures were pole mounted. The engineer said there are lights affixed to the apartment buildings that are porch lights that are operated by the tenants. The pole mounted lights will be located near the sidewalks. Commissioner Leabu asked how tall the poles were and one of the developers said 12 feet. Hamlin clarified that the site plan showed 14 feet, and the developer said she stands corrected. Leabu said he would like to see the pole heights to be 12 feet, and the developer said he would take note of this light pole height request. Commissioner Priebe thanked and complimented the developer for following her notes from the meeting minutes last month. Chair Muck asked a clarifying question of the developer regarding the residents' comments earlier about using the residents' vegetation as the project's buffer requirements. Muck asked David if this meets our zoning ordinance landscape requirements or should the commissioners ask the developer to enhance the buffer along the borders. There are old trees that might fall over or die, leaving these residents with open views of this complex. According to the owner, this project will plant all of the trees shown on their landscape plans for screening purposes and they are not counting the neighboring single family home property's trees as part of their requirements.

Commissioner Hughes asked Priebe what the requirements regarding the Lakeland Trail access were. Access to the Lakeland Trails shall be to the west through the Village Center and have them identify the sidewalk to the end of their property since they do not own anything else. The engineer came up to the podium to clarify that that some existing sidewalks exist onsite, and they are shown on the site plan off Washington St. Muck stated that he hoped that the Township Board and Township Supervisor would work with the county on street scape and the downtown pedestrian traffic. This is something that will need to be addressed at the Township Board level as we see these developments come in downtown. He said that was his opinion and he was not looking for that to be included in the motion.

Commissioner Priebe asked the commissioners if they need to add lighting for pedestrian scale lighting to the park to allow safe pedestrian access to the conditions for the final site plan for this project. Leabu and David said that had been satisfied.

Approval motion was made by Commissioner Priebe, seconded by Commissioner Muir, that the planning commission recommends approval for the final GPUD site plan as shown on this project plans to the Township Board because the project as conditioned 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 conditions of approval:

Condition 1: Prior to the issuance of a land use permit, 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 Environmental, Great Lakes and Energy, and Transportation shall be received.

Condition 2: A development agreement including mater 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 new lighting fixtures presented, including the bollards, are acceptable and the height of the light poles shall not exceed 12 feet.

Roll Call Vote: Ayes (6) Mariani, Priebe, Leabu, Muck, Muir, Hughes

Nay (1) Hamlin

VOTE: MOTION CARRIED

NEW BUSINESS

1. Consideration of the repeal of the Zoning Ordinance Section 36-434 -Cottage housing planned unit development (CHPUD).

Chair Muck opened the meeting to David. David explained that he had given the commissioners a copy of the existing ordinance as well as the proposed ordinance. He stated we have two redundant ordinances that said the same thing. It was recommended by Commissioner Hughes to repeal the original cottage housing since it was largely covered in the newly updated ordinance. At the last meeting, there was no objection to doing this repeal. David is looking for a recommendation from the commissioners to take to the Township Board, in favor of repealing this second section of the cottage housing ordinance.

Approval motion made by Commissioner Hughes, seconded by Commissioner Priebe, to recommend to the Township Board to repeal Section 36-434 to 36-438 Cottage Housing Planned Unit Development (CHPUD).

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

2. Proposed Amendments to PZTA #24-0004 Zoning Ordinance, Article 3, Section 36-482 Sign regulation enforcement.

Chair Muck opened the public hearing to David. David explained that this request came from Parks and Recreation Department for code enforcement and infraction penalties. Chair Muck stated that he sits on the Park and Recreational Board. He stated that signage enforcement needed to be clarified so staff and residents knew where signage could be placed, and how long it could stay there. We have had several

large events going on in the community on Merrill, and we needed to clean up the signage ordinance to get it on the books. Muck said he appreciated the work of Deby Hennerman. Commissioner Hamlin asked if this was all new. Chair Muck and David said no but that the park application and this ordinance needed to be clarified regarding the size, duration and placement of such signage. Commissioner Priebe asked if this was an ordinance that was ready to make a motion on or is this just something for us to look at? David told her that this was something that they could make a motion on since this was a public hearing. The redlined document is showing what changes are being made to this sign ordinance. Commissioner Priebe said that since this is a public hearing, it should be opened up for discussion from the public.

Chair Muck opened the call to the Public on this PZTA #24-0004 Zoning Ordinance, Article 3, Section 36-482 Sign regulation enforcement. No one came to the podium, so Chair Muck closed the call to Public.

Chair Muck opened the meeting to the commissioners.

Approval motion made by Commissioner Priebe, seconded by Commissioner Mariani, to propose revisions to Article 3, Section 36-482 Sign Regulation Enforcement as presented in tonight's meeting.

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

3. **Zoning Administrator's Report-** we will not have any agenda items for November as of today. We will be looking to do the 5-year review of the Master Plan in January.

Commissioner Hamlin wanted to state that he got a copy of the traffic study for the Lakeland Trails Apartments, and it appears that we will be getting a four-way stop intersection. He said that this is not good. Some communities hire a traffic engineer on their behalf to interact with MDOT and since we are having a lot of these projects coming into this area, we might want to hire a traffic expert to review these studies and help with the traffic flow from this new area. Commissioner Leabu said he agreed with Hamlin. Commissioner Hughes asked David if the developer pays for these traffic studies. She said she didn't think that the engineers were out there onsite to check the flow numbers. David agreed that these traffic impact studies are difficult to understand. David admitted that we don't have a lot of say or power in this process. By having a third-party contractor engineer review, we might have a little more involvement in our communities traffic management. David agreed that this sounded like a good idea. Commissioner Priebe asked if around a bout would be a better plan than a four way stop for this intersection. Chair Muck agreed that this would be a good idea as well. He asked David to take this back to the Township Supervisor to have this discussion about the recommendation to have an outside firm or engineer analyze these studies on behalf of the township.

ADJOURNMENT

Approval motion by Commissioner Hughes, seconded by Commissioner Hamlin, to adjourn at 8:43pm.

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

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



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

PLANNING COMMISSION REGULAR MEETING

Wednesday, October 16, 2024 at 7:00 PM
Hamburg Township Hall Board Room

AGENDA

CALL TO ORDER

PLEDGE TO THE FLAG

APPROVAL OF THE AGENDA

APPROVAL OF MINUTES

1. Approval of the September 18, 2024 Planning Commission minutes.

CALL TO THE PUBLIC

OLD BUSINESS

2. Final Site Plan Review (PPAM24-001) The Crossing at Lakelands Trail

NEW BUSINESS

3. Consideration of the repeal of Zoning Ordinance Section 36-434. - Cottage housing planned unit development (CHPUD)
4. Proposed Amendments to (PZTA24-0004) Zoning Ordinance Article 3, **Sec. 36-482. Sign regulation enforcement.**

ZONING ADMINISTRATOR'S REPORT

EnterTextHere



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, September 18, 2024, at 7:00 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

Commissioner Muck called 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
 - Jeff Muck, Chair
 - Joyce Priebe

- 2) **ABSENT:**

APPROVAL OF MEETING AGENDA for tonight.

Commissioner Hughes stated that she would like to add a discussion about our township having two cottage ordinances, moving forward. The Township Board has voted to approve our amendments to the elderly housing, but this leaves us with two cottage sections in our ordinance. Chair Muck said this line item would be added under New Business, a discussion on cottage housing ordinances.

Approval Motion made by Commissioner Hughes, seconded by Commissioner Hamlin, to approve the agenda as amended.

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY**APPROVAL OF THE MEETING MINUTES**

Approval Motion made by Commissioner Muir, seconded by Commissioner Mariani, to approve June 19, 2024, Planning Commission Meeting Minutes.

Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY**CALL TO THE PUBLIC-**

1. Dustin Hitchings (10530 Hall Rd) talked about setbacks and screening. Mr. Hitchings stated that this apartment complex site plan shows only a 15 feet setback from his property line. He stated that due to the clear-cut woods that used to buffer his property from the abandoned school lot, he has been picking up a lot of debris near his yard due to unwanted foot traffic. He expressed his concern with the new complex's patrons access his lot in the future. He expressed his opinion that a cedar fence would be more welcomed to the single-family residential lots that border the apartment PUD, rather than a vinyl fence. He stated that a vinyl fence would age quicker than cedar. He mentioned John Hamlin's statements at the last PC meeting about needed screening. Next Mr. Hitchings was happy that the MDOT traffic study found a need for a specific left hand turn lane that will reduce mid-intersection traffic. Hitchings looked at the MDOT traffic counts accessing US 23 and M-36, sharing his concern that with these increases in people and vehicles in the township, it will take Hamburg residents longer to commute to and from work. He brought up some statements from Commissioner Leabu at past PC meetings. He continued to say that the PC is not enforcing their PUD ordinance for setbacks, buffers and density requirements. He said that the PC is not following its Village Center or Master Plan either.
2. McKenzie Johnson (10603 Livingston St) Wanted to speak on the master plan for the Lakeland Trails Apartments. She talked to the buffering and fencing being stipulated in the site plan. The new plans do not show a lot of fencing around the whole PUD community. On page 3 & 4 of the site plan mentions a white vinyl fence, even though the ordinance requires masonry and wood. It did not appear that the buffer between the PUD and the residents had increased any. We would like to see a 20-foot buffer rather than 15. The foot path between Lakeland Trail and the PUD has not been confirmed yet. The old sidewalk here is very small and always covered by parked vehicles for the Hamburg Pub patrons. Elder and young families will not be able to utilize the Lakeland Trail if this continues to happen. A two-way stop at a three-way intersection is difficult to design. Daily, at this intersection, there are numerous near miss accidents and illegal turns being attempted. The PUD complex only has 10 handicapped parking spaces out of 407 parking spaces in total. The Hamburg Township population consists of more seniors. This developer has not designed this community to meet most of our community's needs. Affordability has been touted as an important factor of why we need this type of development in our community. Can the Kroger workers who make \$12-14 per hour or even retirees on a fixed income afford to live in this community?

OLD BUSINESS

1. **Final Site Plan Review (PPAM 24-001) The Crossings at Lakeland Trail.**

Chair Muck opened the public hearing to the applicant's architect. He said that he would be willing to let David Rohr open this meeting with discussion of his staff report. This project dates to 2016 and 2017 and was reopened in June 2024. This PUD Development is proposing 208 apartment units on the former school site. David said that he has met with the developer about the buffer and the setbacks of this proposal. There has been some additional landscaping but not a lot has been changed. We need to discuss the lighting issues here. Victor had some issues with the lighting as proposed. David stated that more lighting would be needed for the courtyard which is too dark for a common area. The Lakeland Trail connection between the PUD parcel and accessing a neighboring lot would be a good topic as well. The public comments have brought up some good questions.

Chair Muck opened the discussion up to the commissioners. Commissioner Hughes asked the developer to walk the members around the perimeter of the PUD development, during his presentation to explain how much space would be for a buffer and what it would consist of. The developer said that they listened to all of the comments provided during the preliminary site plan review. As they met with their engineers and landscape architect, they felt that enclosing the three smaller buildings that are located to the northwest side of the PUD complex with fencing would be very restrictive on the aesthetics for the residents renting the apartments. He said that they did not imagine that the local single family residential lots would feel threatened by future residents not being corralled into their community. The thought process was to enclose this smaller lot with solid fencing would become obnoxious since no wildlife could access this parcel. They designed the larger structures with a solid fence to buffer the view. The ordinance mentions a fence is needed when neighboring lots are residential but in the Village Center, many of these lots are zoned as industrial.

The applicant asked Commissioner Hughes if he addressed her question about the fencing. She said she wanted to know how wide the buffer was, with and without the road area being counted. She asked David what the PC had agreed the buffer was supposed to be for this development. He said the buffer was supposed to be 20 feet for the landscaping but in some places, the road and the design features, there wasn't 20 feet of buffering in those areas. Commissioner Hughes said that when the PC had approved the preliminary site plan, with a second motion to amend the original motion, to ensure that there was 20 feet of buffering around the whole community despite the road. The developer said that they redesigned this complex so that there was a road and landscape buffering separating the apartment buildings from the surrounding single-family lots. They ensured that those surrounding lots viewed the smaller end of the buildings rather than the longer edge. He said that they did this to minimize the site impacts on the surrounding community. Commissioner Hughes said that she would really want to see a solid 20-foot landscape buffer for the surrounding existing residential homes. The applicant group showed with the projector that most of the 20 ft buffer existed around the community except where the three smaller buildings were being proposed.

Chair Muck shared with the group that they received an email communication from Kim Whitmore on Livingston St. The email subject was regarding the fencing, the access to the Lakeland Trail, and the surrounding buffer between the PUD development and the surrounding residential homes.

Commissioner Muir stated that at the last site plan meeting that the PC commissioners stated that they wanted the fence to be wood but the site plan before us today is vinyl. The developer said that his group discussed this vinyl fence option with the staff at the Township, and that the belief was that vinyl was

more superior product than wood. It requires less maintenance, and it lasts longer. The developer said that they would take care of the wood fence on the inside only and not on the outside, and the resident would see a deteriorated fence. Commissioner Muir said he felt that Mr. Hitchings is entitled to a wood fence around his whole property. The developer said if that is what the township decides it wants, then he would provide it to this homeowner.

Commissioner Hamlin reiterated what he said at past PC meetings, when he reads the ordinance, is that this is a permitted use. That the density maximum for the development is 10 dwelling units per acre, and that this development is not eligible to be a general planned unit development or to have a 35% density increase. In the enclave (smaller building area to the west of the development) does not show any landscaping between the development or the single-family home that exists here. Minimally Hamburg Township's buffer requirement is a six-foot-high masonry or wood fence wall, one canopy wall, one evergreen and one shrub every 30 feet. This is the minimum landscape requirement, and this should be 20 feet wide. A pine plantation on the site plan is shown on a residential homestead. People will walk their dogs and without a fence, this will become a problem down the road. The surrounding homeowners would be forced to put up a fence to keep apartment community people out of their yards. The developer said that many of these lots are zoned as industrial, so the developer is not required to put up a fence according to the Hamburg Township Ordinance. Commissioner Hamlin said that because these lots are being used as residential the PC would require them to put up a fence between the properties. Hamlin stated that if they went by the ordinance, this development would be limited to 154 units to his interpretation of the ordinance. Hamlin also told the developer that on the east side, the landscape plan only shows one deciduous tree every 45 feet. He said that he does not have any of the other landscaping ordinance requirements for this surrounding buffer. The email letter said that the fence stops and does not go around the whole community. Hamlin reiterated that the PC will require fencing and landscaping all the way around the development. He then went on to talk about the lighting onsite, which was brought up at the Township Board Meeting. Hamlin spoke on the photometric lighting plan and that the lights are not pointing downward facing. There is no information regarding the lighting on the buildings which will be important. Also, the pedestrian access to the Lakeland Trail was discussed at the preliminary site plan meeting but there is nothing shown on this site plan. The developer said that they are trying to work with the neighboring property owner about making a path, while sharing some utilities here. They want to link the two paved paths to connect them to one another. There have been no final agreements so the developer can't show that on the site plan yet. We are looking to build a combined, non-motorized pathway down to the west public road. According to the developer, the site has access to the public road right of way to the west.

Commissioner Leabu agreed that this wall needs to be a wood fence. He said that the vinyl fences and decks need to be power washed and if using irrigation without a water softener, the white vinyl will turn rusty colored due to hard water. Wood fencing panels can be replaced by panel over a 30-yr period. Vinyl requires a complete section to be removed for replacement. Village Center lighting requirements are on the Todd's Service site and the Baker Building and the Hamburg Township Fire Station. Area Architectural Lighting doesn't make these lights anymore. This site will need to have downward lighting fixtures. Leabu told the developer that he needs to pick one of these light fixtures, showing it in their design light plans for the PC to approve.

The developer showed his samples of the shingles, siding and door colors. They stipulated that GAF Timberline HDZ High-Definition Lifetime were the asphalt shingles that they were proposing to use on

the buildings. They were showing ProVia Manufactured Stone in Limestone Harbor for the entry signature. CertainTeed Mainstreet D4/D6 Sterling Gray Vinyl siding. And the entry doors are being painted Sea Serpent SW7615 Sherwin-Williams color. Commissioner Leabu asked if all the buildings in the community the same color will be. The developer said yes.

Commissioner Priebe stated that she agrees that the PC needs to require a 20-foot buffer around the whole community and a 6-foot-high fence with landscaping there. The access to the Lakeland Trail can't be guaranteed since they would have to go through a neighboring owner's parcel that you do not own. She agreed with the rest of the PC members that the lighting would need to meet the Village Center Regulations. Priebe felt that they should table this proposal until the developer had time to follow their recommendations and come forward with better plans before doing a final site plan review. Otherwise, the PC should make additional conditions to the final site plan.

Commissioner Mariani stated that she agreed with everything that Priebe said but she circled back to what David said earlier about the poor lighting in the parking lots. David did respond to Mariani clearly stating that the poor lighting conditions were documented in the courtyards and walking paths. The developer responded positively to his direction. Mariani continued to ask the developer if the rental rates for these units would be affordable and what would the range be estimated. The developer said that they expect that rents for a 1-bedroom unit would be about \$1200 to \$1500 per month. The 2-bedroom units would be \$1700 to \$1900 per month. The 3-bedroom units would be \$2000 to \$2200 per month. These figures will be based on the market in about 2 years from now. This would be based on an annual lease, with some short-term leases for corporate people. Mariani asked the developer if he would maintain the property, who said that they hire a very good (RPM Living) property management company to do the daily onsite maintenance work for them.

Chair Muck stated that he agreed regarding the wood fencing since it fits better with the rural wooded community surround this project. He continued to state that he supported the developer ensuring that Mr. Hitching's yard was completely fenced in from this community. Muck continued stating that he was disappointed that the access to Lakeland Trail was not yet attained since there would be an existing safety issue if people tried to the trails through the downtown Village. He has seen many cars parking on the sidewalks across from the Hamburg Pub. With this PUD, we definitely need a dedicated access route to the trails for the new community residents. He continued to state that he supported many of Commissioner Hamlin's comments regarding the landscaping plan that we need to require additional buffers and trees. We need additional lighting. One question that did not get address is the issue with handicapped parking and the calculations on that issue. The developer stated that the handicapped space allocation is based on the standards. The whole site, sidewalks, and the lower units are ADA accessible. The applicant said that their company prioritizes ADA accessibility. David said that he will review the percentage of ADA parking spots onsite.

Commissioner Leabu mentioned that the developer should include in their management strategy to ensure when a handicapped resident signs a lease for a unit in a building, their company should dedicate a few parking spots for their accessible parking near that unit and building for them. The developer agreed and said he doesn't want any attention for not providing ADA accessible spots. Muck said that he drives by the developer's South Lyon property multiple times per week, and he gets a good sense that the complex has a very welcoming and provides a good feel to the town. They are good looking buildings there.

Chair Muck brought the meeting back to the commissioners for a final say, asking if anything was missed or if additional clarification was needed on something. Commissioner Hughes brought up fencing and lighting being used to keep neighbors from getting car lights shining into their rooms. She supports having the wooden fence for such a purpose. She asked David if he reviewed the PUD site plan to ensure that the fence will block car headlights from the surrounding homeowner's view. Hughes continued stating that she learned a great deal about traffic

studies though the Chilson Commons project. She explained that MDOT approves a “D level or above” for a project. An “F level” project is failing and not acceptable. Chair Muck asked David if the Townhomes project north of this complex was moving to a four-way stop. David confirmed that it was. Muck stated that this four-way stop will impact this community’s traffic as well. The developer explained that their project’s traffic study contemplates this four-way stop as well. Hughes asked David how closely these projects would be completed in relation to one another. David stated that the Townhomes project was a two-phase project which could move the second phase to one to three years from now. Hughes asked David when the four-way stop would go in. He said it should be installed for phase one. The developer stated that they would have their first occupancy, in a perfect world with so many layers of agency approvals, we expect to be in early 2026.

Commissioner Muir pushed his comment that the developer appeared again before the Planning Commission without ensuring that a fence buffer completely surround this proposed complex, despite the PC and the Township Board requiring such a fencing buffer in their deliberations. The developer explained that he didn’t think that the PC would want to have that small area to be enclosed with a fence. The developer stated that they must have misunderstood their direction. Chair Muck requested that Muir and the developer end their discussion due to their conflicts. Muck said he is looking for some resolution to next steps from the PC commissioners. Commissioner Hamlin clarified that we need a lighting plan, some designated access to the Lakeland Trail, and we need a buffer and a wood fence. He continued to state that this project should be tabled until they can see this on the plans, as we are directing, and if this happens, then we can approve it. Chair Muck stated that is what Commissioner Priebe had stated in her earlier comments. Commissioner Hughes said that she would like to make the access to Lakeland Trail a condition for the future. The developer stated that he would love to get access to the Lakeland Trail through the neighboring owner, but we don’t have eminent domain power. He said that they have access to a public road, a block and a half from the trail. Chair Muck again clarified the Planning Commission’s recommendations for approval requirements needed for this development. He said they needed a 20 ft buffer and wood 6 ft tall fence around the project’s extensions and whole perimeter (a landscaping plan that meets our ordinance requirements), stipulate designated access to the Lakeland Trail even if that is through Washington, installation of fencing around 10350 Hall Rd, and the Village Center lighting plan with improved lighting of the courtyard and an image of the downward pointing, shielded light fixtures on the lighting plan. Commissioner Leabu stated that not all community lighting should be placed high up on buildings, but some should be installed lower on poles for the trails. Leabu stated that these devices and poles should be shown on the lighting plans. Also, they need to show that that the berms installed will not increase storm water movement onto neighboring parcels.

Approval Motion made by Commissioner Priebe, seconded by Commissioner Muir, to table this final site plan, to allow the applicant time to make said changes to his site plans as discussed at tonight’s meeting.

Roll Call Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

NEW BUSINESS

1. Discussion on Cottage Housing Ordinances-

Chair Muck welcomed Commissioner Hughes to begin. She stated that we have amended Section 36-429 Elderly Cottage Housing Opportunity. This is what we revised and what the Township Board has approved, which is now called Cottage Community Opportunities.

There is also Section 36- 434 Cottage Housing Planned Unit Development (CHPUD) which has not been tweaked or eliminated. She wanted to bring it to the PC since there shouldn't be two different ordinances for cottage housing. Hughes recommended that the PC walk through the ordinance language and see if they needed to eliminate this section. Do we want to put this later section through the process of elimination? Hughes also said there were some items in the later section that she wished the PC would have included in the earlier amended cottage housing section. We could put this on an agenda, and have David send us a printed version of this amended ordinance. Chair Muck asked David if there was a mechanism to eliminate that section when they amended the earlier section.

Commissioner Hamlin stated that when Commissioner Muir and David had met to talk through the proposed changes to the Cottage Housing ordinance, they found that the later portion was not functional, and they were planning on abandoning it. David said that we would have to go through a process to eliminate that later section just like they did when they amended the earlier section. This would need a recommendation from the planning commission, approval from Livingston County Planning Commission, and Hamburg Township Board. David said he can put this on the agenda for the October 2024 PC Meeting as a hearing for this ordinance change.

Chair Muck invited David to give his Zoning Administrator's report. David reminded the PC members that it is towards the end of the year and that 2025 is next year and it has been five years since we reviewed our master plan. David said it is up to the board whether they want to start it this year or wait till next year. Muck said that he felt it would be best to wait until 2025 after the holidays to kick that off. David said he could create a work plan to help the PC members be more efficient.

ADJOURNMENT

Approval motion to adjourn at 8:11 pm made by Commissioner Muir and seconded by Commissioner Mariani.

Roll Call Vote: Ayes (7)

VOTE: MOTION CARRIED UNANIMOUSLY

Respectfully submitted,

Lisa Perschke

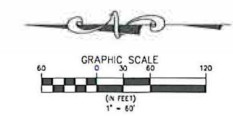
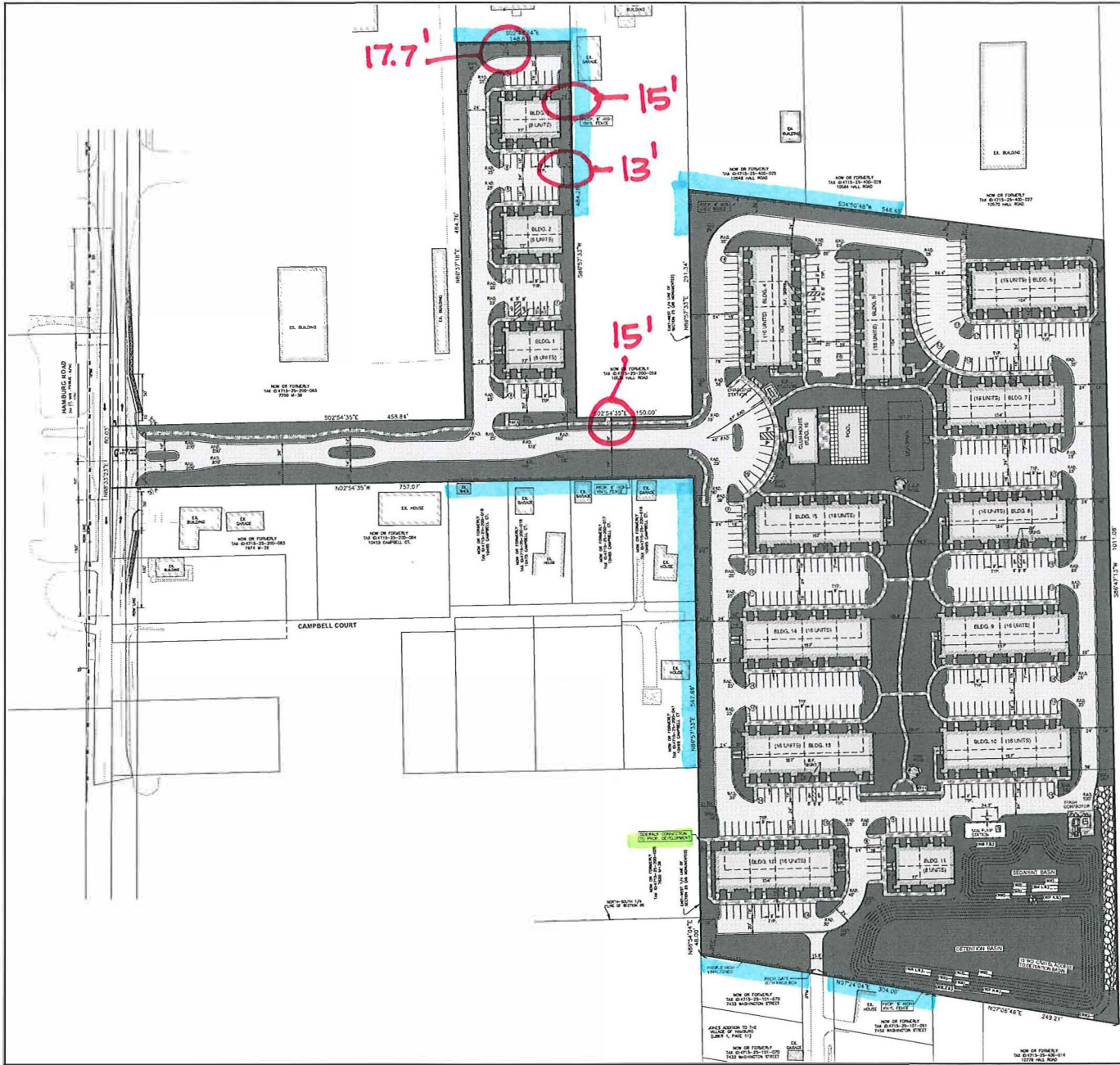
Planning/Zoning Coordinator & Recording Secretary

David Rohr

Planning & Zoning Director

The minutes were approved as presented/corrected: _____

Commissioner Jeff Muck, Chairperson



BUILDING TIME	1 BR	2 BR	3 BR	TOTAL UNITS PER BLDG	TOTAL BLDG TIME	1274 B/R ALL BLDGS
77 WD	4	4	0	8	12	4
154 WD	10	4	2	16	9	143
107 WD	6	8	2	16	5	302
181 UNITS	100	61%			15	302
128 UNITS	85	36%				
133 UNITS	22	1%				
	26	33%				

SITE DATA
 EXISTING ZONING: GENERAL PLANNED UNIT DEVELOPMENT (GPUD)
 SITE AREA = 15.478 ACRES
 MAX DWELLING UNITS PER ACRE (VD) 10 DU/ACRE
 NO. OF BUILDING ON SITE: 16
 NO. OF UNITS PROPOSED: 208
 DWELLING UNITS PER ACRE: 13.44 DU/ACRE (AMND TO PUD AGREEMENT)

BUILDING SETBACKS	REQUIRED	PREVIOUSLY APPROVED	PROPOSED
FRONT (FROM PAVEMENT) SIDE:	27'	15'	N/A
REAR TO PROPERTY LINE	10'	15'	20' MIN
BUILDING TO BUILDING	25'	30'	20' MIN
BUILDING FRONT TO SIDE:	35'	N/A	N/A
BUILDING SIDE TO SIDE:	N/A	25'	N/A
MINIMUM BUILDING HEIGHT:	35'	35'	35'
MINIMUM BUILDING STORES:	2.5 STORES	2 STORES	2 STORES
MINIMUM FLOOR AREA:			
1 BEDROOM	550 S.F.	875 S.F.	815 S.F.
2 BEDROOMS	650 S.F.	1,000 S.F.	1,100 S.F.
3 BEDROOMS	N/A	N/A	1,435 S.F.
BUILDING COVERAGE:	50% MAX.	15%	15.8%
IMPERVIOUS AREA CALCULATOR:	N/A	32%	37.65%
OPEN SPACE PROVIDED:			
1,000 S.F./UNIT=1,000 x 208	44%	37%	42.56%
312,000 S.F. (7.19 AC)			
OPEN SPACE PROVIDED:		8.03 AC.	6.41 AC.
PARKING PROVIDED: (1.5 SPACES/UNIT)			
1.5 x 208 = 312 SPACES			
PARKING PROVIDED: 409 SPACES (INCLUDING 10 B.F. SPACES)			
(1,952 SPACES/UNIT)			

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PROJECT NAME:
 THE CROSSING AT LAKELANDS TRAIL 128 N. CENTER STREET NORTHVILLE, MI 48167

OVERALL PLAN AND OPEN SPACE PLAN

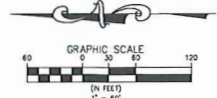
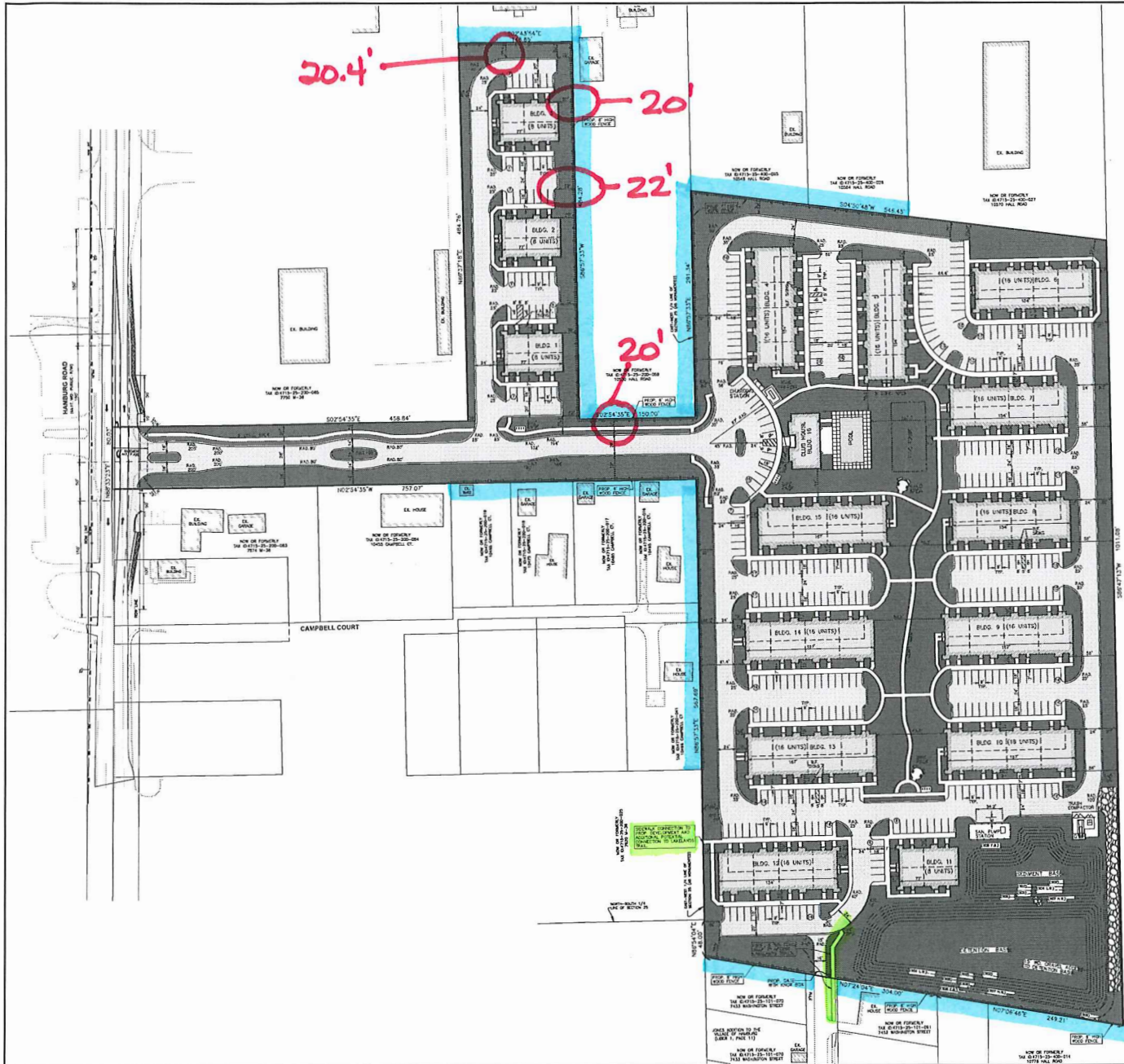
DATE: 10/11/2023
SCALE: 1" = 60'

NO. OF SHEETS: 3
SHEET NO.: 3

SEE LANDSCAPE PLANS FOR SCREENING WALL DETAILS

PROPOSED LEGEND

	SANITARY SEWER
	WATER MAIN
	STORM SEWER
	UTILITY TRENCH
	TREE PROTECTION FENCE
	6FT FENCE
	4FT FENCE
	METALAS
	CONTROL
	SIGN AND GUTTER
	SANITARY MANHOLE
	SANITARY CLEANOUT
	STORM MANHOLE
	HARD CATCH BASIN
	ROAD CATCH BASIN w/8ft SAC
	60 SECTION
	FIRE HYDRANT
	GATE VALVE AND WELL
	PARKING (ASPHALT)
	PAVEMENT (CONCRETE SECTION)
	DIRECTION OF SURFACE WATER FLOW
	OVERLAP NOTE
	GRADE



BUILDING TYPE	TOTAL UNITS PER BLDG TYPE				TOTAL BLDG TYPE
	1BR	2BR	3BR	4BR	
77 UNITS	4	4	2	8	12
154 UNITS	15	4	2	15	24
107 UNITS	6	5	2	15	58
18 UNITS	106	314			25
3 UNITS	50	304			
3 UNITS	22	115			
	206	1004			

SITE DATA
 EXISTING ZONING: GENERAL PLANNED UNIT DEVELOPMENT (GPD)
 SITE AREA = 15.478 ACRES
 MAX. DENSITY UNITS PER ACRE (VD) 13 DU/ACRE
 NO. OF BUILDINGS ON SITE: 16
 NO. OF UNITS PROPOSED: 208
 DENSITY UNITS PER ACRE: 13.44 DU/ACRE (AMSD TO PLG AGREEMENT)

BUILDING SUBTRACTS	REQUIRED	PREVIOUSLY APPROVED	PROPOSED
FRONT (FROM PAVEMENT) SIDE:	20'	15'	N/A
REAR: TO PROPERTY LINE BUILDING TO BUILDING:	10'	15'	20' MIN.
BUILDING FRONT TO SIDE:	25'	35'	20' MIN.
BUILDING SIDE TO SIDE:	35'	N/A	N/A
BUILDING SIDE TO SIDE:	N/A	25'	N/A
BUILDING SIDE TO SIDE:	N/A	15'	N/A
MAXIMUM BUILDING HEIGHT:	35'	35'	35'
MAXIMUM BUILDING STORES:	2.5 STORES	2 STORES	2 STORES
MINIMUM FLOOR AREA:			
1 BEDROOM	550 S.F.	875 S.F.	815 S.F.
2 BEDROOMS	850 S.F.	1,100 S.F.	1,136 S.F.
3 BEDROOMS	N/A	N/A	1,455 S.F.
BUILDING COVERAGE:	50% MAX.	16%	15.8%
IMPERVIOUS AREA CALCULATION:	N/A	32%	37.85%
OPEN SPACE REQUIRED:	1,500 S.F./ UNIT=1,500 + 208	44%	37%
312,000 S.F. (7.16 AC)			42.66%
OPEN SPACE PROVIDED:		8.03 AC.	6.41 AC.
PARKING REQUIRED: (1.3 SPACES/UNIT) 15 + 208 =		312 SPACES	
PARKING PROVIDED: 403 SPACES (INCLUDING TO R.F. SPACES) (1,955 SPACES/UNIT)			

	PREVIOUSLY APPROVED PLANS	CURRENT PLANS
SITE AREA	16.1 AC	15.478 AC
NO. OF BUILDING ON SITE:	23	16
NO. OF UNITS PROPOSED:	208	208
DENSITY UNITS PER ACRE:	12.91 DU/ACRE	13.44 DU/ACRE
BUILDING COVERAGE:	16%	15.8%
PAVED SURFACE PARKING AND ROADS INFILTRATION	32%	35.4%
OPEN SPACE:	37%	41.41%
PARKING PROVIDED:	403 SPACES (1,952 SPACES/UNIT)	403 SPACES (1,937 SPACES/UNIT)

PROPOSED LEGEND

- SANITARY SEWER
- WATER MAIN
- STONE SEWER
- OTD/SHALE
- PIPE PROTECTION FENCE
- SOFT FENCE
- MECHANICAL
- FLUOROPOLYMER
- REINFORCE
- CONTOUR
- GRID AND SLIT
- SANITARY MANHOLE
- SANITARY CLEANOUT
- STORM MANHOLE
- WIDE GRASS BARR
- ROAD CATCH BASIN W/ST. SEC
- END SECTION
- FIRE HYDRANT
- DATE VALUE AND MILE
- PAVEMENT (ASPHALT)
- PAVEMENT (CONCRETE SIDEWALK)
- DIRECTION SURFACE WATER FLOW
- DIRECTION ROUTE
- GRADE

SKL SEIBER KEAST LEHNER ENGINEERING | SURVEYING

CLIENT INFO:
 ELEVATE LAND HOLDINGS - THE CROSSING AT LAKELANDS TRAIL 128 N. CENTER STREET NORTHVILLE, MI 48167 248-344-1885

PROJECT NAME:
 THE CROSSING AT LAKELANDS TRAIL 128 N. CENTER STREET NORTHVILLE, MI 48167

DATE:
 10-22-24

PROJECT NUMBER:
 248-344-1885

PROJECT MANAGER:
 [Name]

DRAWN BY:
 [Name]

CHECKED BY:
 [Name]

DATE:
 10/22/24

PROJECT NUMBER:
 248-344-1885

3 WORKING DAYS BEFORE YOU DIG CALL MISS DIG

811

SEE LANDSCAPE PLANS FOR SCREENING WALL DETAILS

OVERALL PLAN AND OPN SPACE PLAN

PAGE No:
 3

OCTOBER 1/4

Item 11.



Seal:



Title:
Landscape Plan

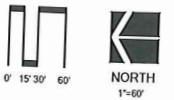
Project:
**Lakeland Trails
Hamburg Township, Michigan**

Prepared for:
**Elevate Property Partners, LLC
128 North Center
Northville, Michigan 48167**

Revision: Issued:
Review: April 11, 2024
Revised: April 22, 2024
Revised: August 16, 2024
Revised: September 25, 2024

Job Number:
24-019

Drawn By: Checked By:
jor jor



Sheet No.

L-1

103

Landscape Summary - This Sheet

Existing Zoning	GPUD
Greenbelt	
Street Frontage	80 LI.
Trees Required	2 Trees (80 / 40)
Trees Provided	6 Trees
Shrubs Required	8 Shrubs (80 / 40) x 4
Shrubs Provided	25 Shrubs
Land Use Buffers	
Buffer Length West and North	1,300 LI. (Type C)
Trees Required	65 Trees (1,300 / 20)
Trees Provided	65 Trees (7 Existing)
Shrubs Required	260 Shrubs (1,300 / 20) x 4
Shrubs Provided	260 Shrubs
Buffer Length West and East	1,078 LI. (Type B)
Canopy Trees Required	35.9 Trees (1,078 / 30)
Canopy Trees Provided	36 Trees
Evergreen Trees Required	35.9 Trees (1,078 / 30)
Evergreen Trees Provided	62 Trees (36 Existing)
Shrubs Required	143.7 Shrubs (1,078 / 30) x 4
Shrubs Provided	144 Shrubs
Parking Lot Landscaping	
Parking Lot Area	5.8 Trees (11,654 / 2,000)
Trees Required	6 Trees
Trees Provided	

Plant List - This Sheet

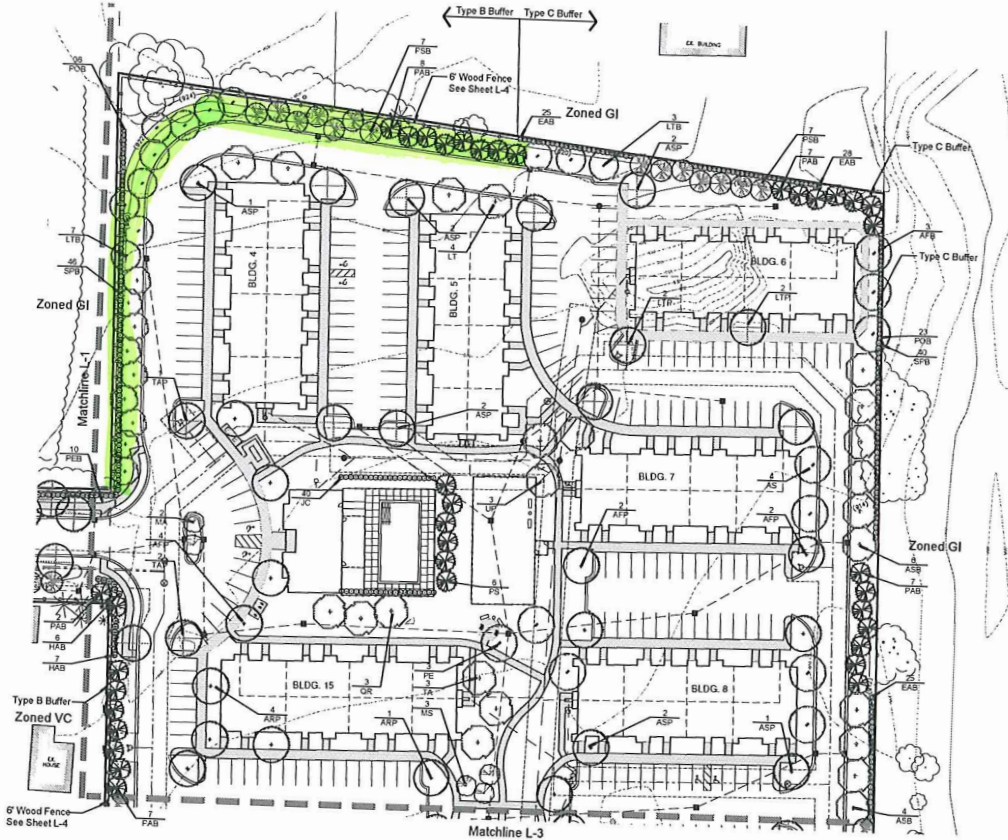
Code	Qty	Botanical Name	Common Name	Height	Spacing	Notes	Target
GRS01	20	Thuja occidentalis	Green Gumbo	8-10' shrub	8' x 8'		20'
JOB	3	Juniperus horizontalis	Horizontal Juniper	4-6' shrub	8' x 8'		4' Hedge to I
PLD	9	Plantago lanceolata	Plantain	2-3' herb	8' x 8'		4'
LSD	8	Lonicera xylosteum	Winter Honey Suckle	4-6' shrub	8' x 8'		4'
MSB	9	Malva sylvestris	Alumroot	4-6' shrub	8' x 8'		4'
SPD	13	Spirea alba	White Spirea	2-3' shrub	8' x 8'		4'
TRP	3	Thuja occidentalis	Green Gumbo	8-10' shrub	8' x 8'		4'
TRP	25	Thuja occidentalis	Green Gumbo	8-10' shrub	8' x 8'		4'
ARB	20	Arbutus menziesii	Western Red-flowered Dogwood	8-10' shrub	8' x 8'		
ARL	24	Arctostaphylos uva-ursi	Arctostaphylos	4-6' shrub	8' x 8'		
ASB	16	Aster multiflorus	Flowering Aster	3-4' shrub	8' x 8'		
BAW	24	Baccharis verticillata	Sea Broomrape	4-6' shrub	8' x 8'		
JOB	125	Juniperus horizontalis	Horizontal Juniper	4-6' shrub	8' x 8'		4' Hedge to I
LSD	24	Lonicera xylosteum	Winter Honey Suckle	4-6' shrub	8' x 8'		
PAB	25	Picea canadensis	White Pine	2-3' shrub	8' x 8'		
POR	80	Physocarpus opulifolius	Chinese Coral Bells	4-6' shrub	8' x 8'		
PSP	16	Picea canadensis	White Pine	4-6' shrub	8' x 8'		
SDB	40	Sedum spectabile	Autumn Joy	4-6' shrub	8' x 8'		
TOR	12	Thuja occidentalis	Green Gumbo	8-10' shrub	8' x 8'		
USP	21	Ulmus americana	Winged Elm	4-6' shrub	8' x 8'		
USP	100	Ulmus americana	Winged Elm	4-6' shrub	8' x 8'		
USP	400	Ulmus americana	Winged Elm	4-6' shrub	8' x 8'		
PLP	50	Plantago lanceolata	Plantain	2-3' herb	8' x 8'		
LTP	3	Lonicera xylosteum	Winter Honey Suckle	4-6' shrub	8' x 8'		
TRP	3	Thuja occidentalis	Green Gumbo	8-10' shrub	8' x 8'		
PLP	50	Plantago lanceolata	Plantain	2-3' herb	8' x 8'		
LTP	3	Lonicera xylosteum	Winter Honey Suckle	4-6' shrub	8' x 8'		
TRP	3	Thuja occidentalis	Green Gumbo	8-10' shrub	8' x 8'		



OCTOBER 2/4

Item 11.

ALLEN DESIGN
LAND PLANNING / LANDSCAPE ARCHITECTURE
357 Carpenter
Northville, Michigan 48167
www.allendesignllc.com
1.248.847.8484



Landscape Summary - This Sheet

Existing Zoning	GPUD
Land Use Buffers	712 LF. (Type B)
Buffer Length East, North	23.7 Trees (712/30)
Canopy Trees Required	24 Trees (6 Existing)
Evergreen Trees Required	23.7 Trees (712/30)
Evergreen Trees Provided	24 Trees
Shrubs Required	94.9 Shrubs (712/130) x 4
Shrubs Provided	95 Shrubs
Buffer Length East, South	702 LF. (Type C)
Trees Required	35.1 Trees (702/20)
Trees Provided	36 Trees
Shrubs Required	140.4 Shrubs (702/20) x 4
Shrubs Provided	141 Shrubs
Parking Lot Landscaping	
Parking Lot Area	
Trees Required	29.4 Trees (58,786 / 2,000)
Trees Provided	30 Trees

Plant List - This Sheet

SYM	QTY	DESCRIPTION	COMMON NAME	HEIGHT	SPACING	NOTES
ASB	3	Aster x Hemlock 'Silk Road'	Autumn Blaze Maple	25'	as shown	8/8
ASB	10	Aster x Hemlock 'Silk Road'	Sugar Maple	25'	as shown	8/8
ASB	18	Euonymia alata 'Compacta'	Burning Bush	25'	as shown	8/8
HAB	13	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	24"	as shown	24"
LTH	10	Linderothia tulipifera	Tulip Tree	25'	as shown	8/8
PAB	21	Platanus	London Plane	25'	as shown	8/8
PEB	10	Platanus x 'Emerald Excelsior'	Emerald London Plane	25'	as shown	8/8
POB	19	Physocarpus opulifolius 'Diabolus'	Diabolus Physocarpus	25'	as shown	8/8
PSB	14	Pinus strobus	White Pine	25'	as shown	8/8
SPB	60	Spirea x 'Little Princess'	Little Princess Spirea	25'	as shown	8/8
TAP	3	Tilia americana 'Palmetto'	Palmetto Linden	25'	as shown	8/8

Seal:



Title:
Landscape Plan

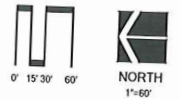
Project:
**Lakeland Trails
Hamburg Township, Michigan**

Prepared for:
**128 North Center
Northville, Michigan 48167**

Revision: Issued:
 Revised April 11, 2024
 Revised April 22, 2024
 Revised August 16, 2024
 Revised September 25, 2024

Job Number:
24-019

Drawn By: Checked By:
jpa jpa

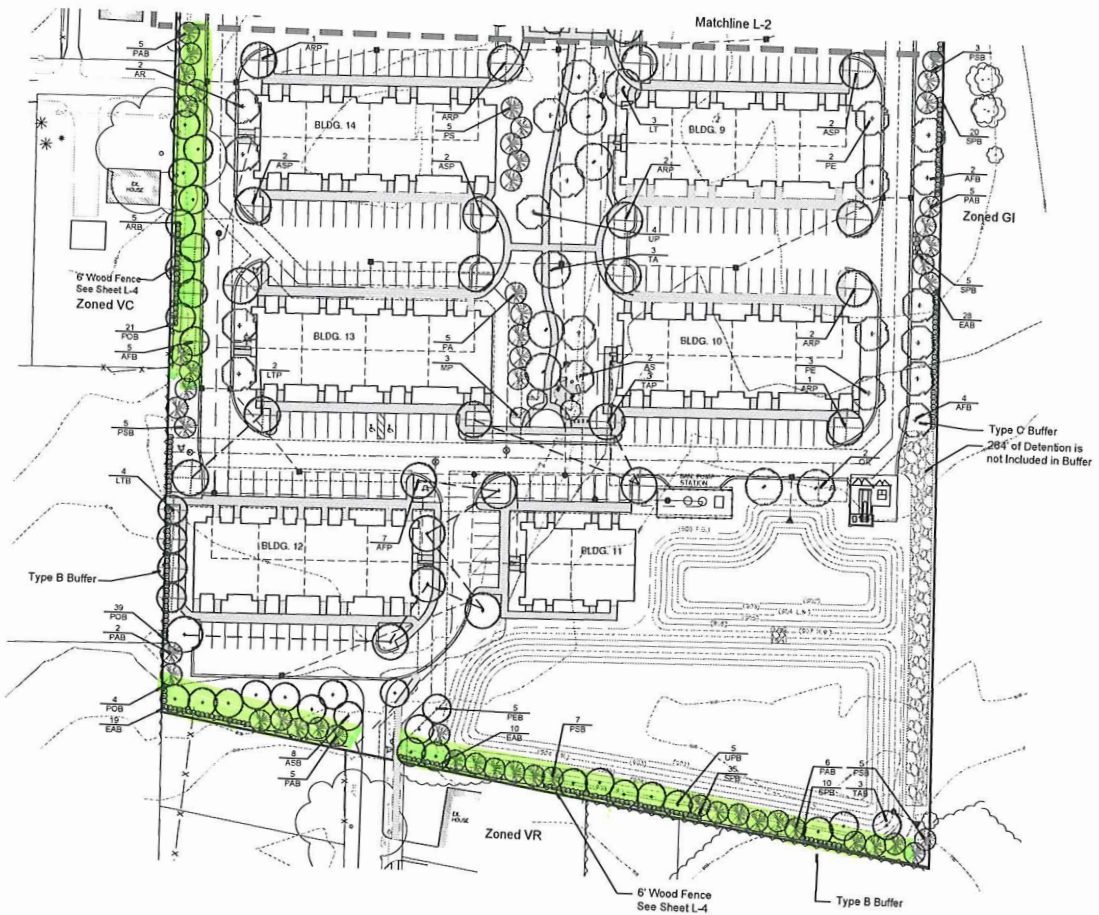


Sheet No.

L-2

OCTOBER 3/4

Item 11.



Landscape Summary - This Sheet

Existing Zoning	GPUID
Land Use Buffers	
Buffer Length - West and North	1,033 LF (Type B)
Deciduous Trees Required	34.4 Trees (1,033 / 30)
Deciduous Trees Provided	35 Trees
Evergreen Trees Required	34.4 Trees (1,033 / 30)
Evergreen Trees Provided	35 Trees
Shrubs Required	137.7 Shrubs (1,033 / 30) x 4
Shrubs Provided	138 Shrubs
Buffer Length - South	
Trees Required	262 LF (Type C)
Trees Provided	13.1 Trees (262 / 20)
Shrubs Required	14 Trees
Shrubs Provided	52.4 Shrubs (262 / 20) x 4
Shrubs Provided	53 Shrubs
Parking Lot Landscaping	
Parking Lot Area	
Trees Required	25.4 Trees (50,809 / 2,000)
Trees Provided	25 Trees

Plant List - This Sheet

sym	qty	botanical name	common name	caliper	spacing	root	height
Land Use Buffers							
APP	11	Acer s. Freemanii 'Autumn Blaze'	Autumn Blaze Maple	2.5"	as shown	EBB	
ASB	5	Acer rubrum 'Redspire'	Redspire Maple	2.5"	as shown	EBB	
ASB	5	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	EBB	
EAB	57	Quercus prinus 'Compact'	Burmy Oak	2.5"	as shown	EBB	
LTS	4	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	EBB	24'
PAB	5	Picea abies	Norway Spruce	2.5"	as shown	EBB	6'
PEB	5	Platanus acerifolia 'Excelsior'	Excelsior London Plane Tree	2.5"	as shown	EBB	
PCB	84	Physocarpus opulifolius 'Diabro'	Diablo Diabro	2.5"	as shown	EBB	
PFB	20	Pinus strobus	White Pine	2.5"	as shown	EBB	24'
SPB	20	Spiraea 'Little Princess'	Little Princess Spirea	2.5"	as shown	EBB	5'
TAB	3	Tilia americana 'Redmond'	Redmond Linden	2.5"	as shown	EBB	24'
UFB	5	Ulmus americana 'Princeton'	Princeton Elm	2.5"	as shown	EBB	
	84	Trees Provided					
	131	Shrubs Provided					
Parking Lot Trees							
APP	7	Acer s. Freemanii 'Autumn Blaze'	Autumn Blaze Maple	2.5"	as shown	EBB	
ASB	7	Acer rubrum 'Redspire'	Redspire Maple	2.5"	as shown	EBB	
ASB	7	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	EBB	
LTP	2	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	EBB	
TAP	3	Tilia americana 'Redmond'	Redmond Linden	2.5"	as shown	EBB	
	25	Trees Provided					
General Plantings							
AB	7	Acer rubrum 'Redspire'	Redspire Maple	2.5"	as shown	EBB	
A3	2	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	EBB	
LT	3	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	EBB	
MP	1	Malus 'Profusion'	Profusion Crab Apple	2.5"	as shown	EBB	
PA	5	Picea abies	Norway Spruce	2.5"	as shown	EBB	
PE	4	Platanus acerifolia 'Excelsior'	Excelsior London Plane Tree	2.5"	as shown	EBB	6'
PS	5	Pinus strobus	White Pine	2.5"	as shown	EBB	
QC	4	Quercus rubra	Red Oak	2.5"	as shown	EBB	
TA	4	Tilia americana 'Redmond'	Redmond Linden	2.5"	as shown	EBB	
UP	4	Ulmus americana 'Princeton'	Princeton Elm	2.5"	as shown	EBB	

Seal:



Title:
Landscape Plan

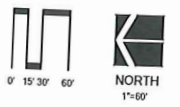
Project:
**Lakeland Trails
 Hamburg Township, Michigan**

Prepared for:
**Elisate Property Partners, LLC
 128 North Center
 Northville, Michigan 48167**

Revision: Issued:
 Review April 11, 2024
 Revised April 22, 2024
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24-019

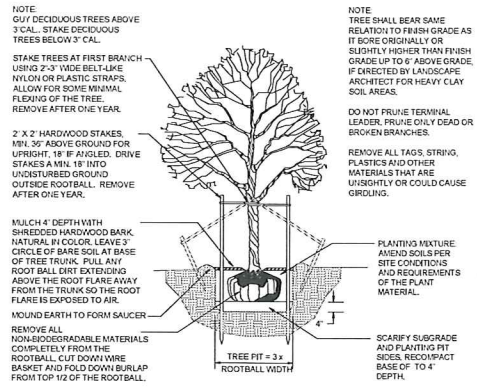
Drawn By: Checked By:
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Sheet No.

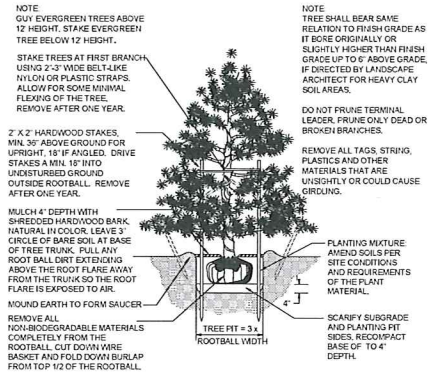


L-3



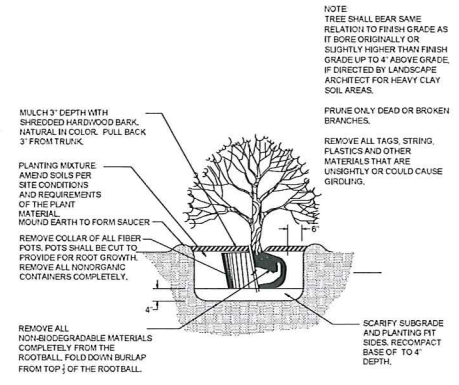
DECIDUOUS TREE PLANTING DETAIL

Not to scale



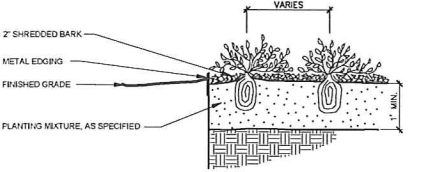
EVERGREEN TREE PLANTING DETAIL

Not to scale



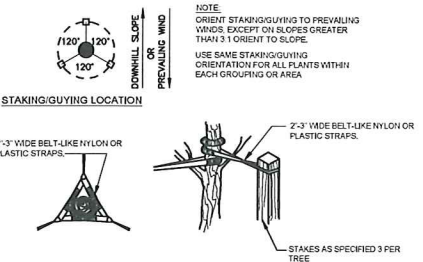
SHRUB PLANTING DETAIL

NOT TO SCALE



PERENNIAL PLANTING DETAIL

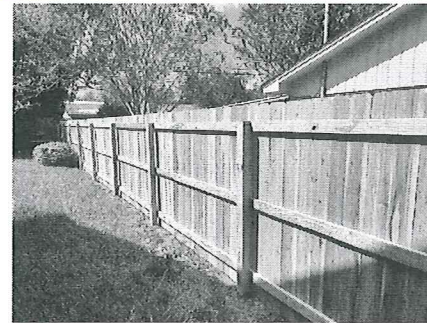
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TREE STAKING DETAIL

Not to scale

6' Pressure Treated Wood Fence



Size: 6' High, 8' Long Panels with Structural Members Facing Project Site

LANDSCAPE NOTES

- All plants shall be north Midwest American region group, No. 1 grade plant materials, and shall be true to name, free from physical damage and wind burn.
- Plants shall be full, well-branched, and in healthy vigorous growing condition.
- Plants shall be watered before and after planting is complete.
- All trees must be staked, fertilized and mulched and shall be guaranteed to exhibit a normal growth cycle for at least two (2) full years following Township approval.
- All material shall conform to the guidelines established in the most recent edition of the American Standard for Nursery Stock.
- Provide clean backfill not using material stockpiled on site. Soil shall be screened and free of any debris, foreign material, and stone.
- "Apform" tabs or similar slow-release fertilizer shall be added to the planting pits before being backfilled.
- Amended planting mix shall consist of 1/3 screened topsoil, 1/3 sand and 1/3 peat, mixed well and spread to the depths as indicated in planting details.
- All plantings shall be mulched per planting details located on this sheet.
- The Landscape Contractor shall be responsible for all work shown on the landscape drawings and specifications.
- No substitutions or changes of location, or plant types shall be made without the approval of the Landscape Architect.
- The Landscape Architect shall be notified in writing of any discrepancies between the plans and field conditions prior to installation.
- The Landscape Contractor shall be responsible for maintaining all plant material in a vertical condition throughout the guaranteed period.
- The Landscape Architect shall have the right, at any stage of the installation, to reject any work or material that does not meet the requirements of the plans and specifications, if requested by owner.
- Contractor shall be responsible for checking plant quantities to ensure quantities on drawings and plant list are the same. In the event of a discrepancy, the quantities on the plans shall prevail.
- The Landscape Contractor shall seed and mulch or sod (as indicated on plans) all areas disturbed during construction throughout the construction period.
- A pre-emergent weed control agent, "Premer" or equal, shall be applied uniformly on top of all mulching in all planting beds.
- All landscape areas shall be provided with an underground automatic sprinkler system.
- Sod shall be two year old "BaronCherokee" Kentucky Blue Grass grown in a sod nursery on loam soil.

Seal: _____



Title: _____

Landscape Details

Project: _____

Lakeland Trails
Hamburg Township, Michigan

Prepared for: _____

Elevate Property Partners, LLC
128 North Center
Northville, Michigan 48167

Revision: _____ Issued: _____

Review	April 11, 2024
Revised	April 22, 2024
Revised	August 16, 2024
Revised	September 25, 2024

Job Number: _____

24-019

Drawn By: _____ Checked By: _____

JSA JSA

Sheet No. _____



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: September 18, 2024

Agenda Item:

Project Number: Final Site Plan Application for General Planned Unit Development (PCPUD24-0001)

Project Location: Learning Ln. (15-25-400-048)

Owner: Michael Parliament/Alan Gottlieb

Applicant: Elevate Land Holdings, LLC

LOCATION:

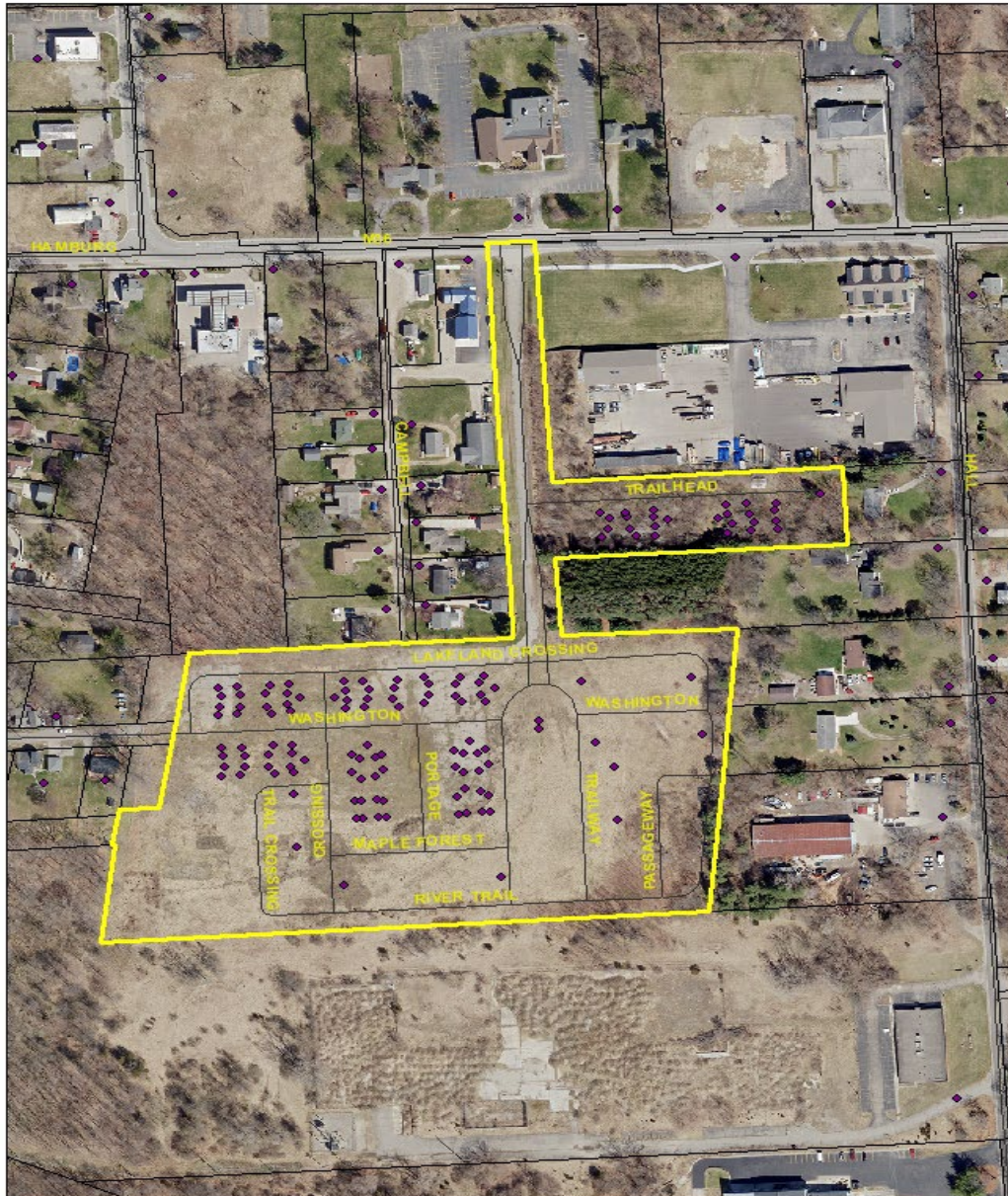
The project is located on a 15-acre site south of E. M-36. The site is accessed by Learning Lane. The site is currently vacant.

PROJECT HISTORY:

Project PCPUD24-0001, Site Plan Application for General Planned Unit Development received conceptual site plan review from the Planning Commission on February 21, 2024. No formal action was taken at the meeting and the project was scheduled to be returned to the Planning Commission for formal preliminary site plan review.

The Planning Commission granted preliminary site plan approval on May 15, 2024. The Hamburg Township Board of Trustees granted preliminary site plan approval on June 4, 2024.

Location Map



PROJECT DESCRIPTION:

The proposed project will utilize the General Planned Unit Development (GPUD) regulations (Section 36-439). The proposed project proposes a 208-unit apartment complex with a club house. The complex will be located on old Hamburg Elementary Site. The subject property

consists of five existing parcels (15-25-200-056 (VC), 15-25-200-062(GI), 15-25-400-013 (VC), 15-25-400-042 (VC), and 15-25-101-084 (VR)) totaling 15.4 acres. The apartment complex will consist of 22 residential structures, 14 structures with 8 residential units and 15 structures with between 8-16 residential units; a community club house with offices, a gym, a community recreational room, and a pool.

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 ORDINANCE REGULATIONS:

The subject site is located within the **Village Center (VC)** 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 (Page 3 Site Plan)

SITE DATA			
EXISTING ZONING: GENERAL PLANNED UNIT DEVELOPMENT (GPUD)			
SITE AREA - 15.478 ACRES			
MAX. DWELLING UNITS PER ACRE (VC): 10 DU/CCRE			
NO. OF BUILDING ON SITE: 16			
NO. OF UNITS PROPOSED: 208			
DWELLING UNITS PER ACRE: 13.44 DU/CCRE (AMEND TO PUD AGREEMENT)			
BUILDING SETBACKS:	REQUIRED	PREVIOUSLY APPROVED	PROPOSED
FRONT (FROM PAVEMENT):	20'	15'	N/A
SIDE:	10'	15'	20' MIN.
REAR: TO PROPERTY LINE	25'	30'	20' MIN.
BUILDING TO BUILDING:	35'	N/A	N/A
BUILDING FRONT TO SIDE:	N/A	25'	N/A
BUILDING SIDE TO SIDE:	N/A	15'	N/A
MAXIMUM BUILDING HEIGHT:	35'	35'	35'
MAXIMUM BUILDING STORIES:	2.5 STORIES	2 STORIES	2 STORIES
MINIMUM FLOOR AREA:			
1 BEDROOM	550 S.F.	875 S.F.	815 S.F.
2 BEDROOMS	650 S.F.	1,100 S.F.	1,106 S.F.
3 BEDROOMS		N/A	1,435 S.F.
BUILDING COVERAGE:	50% MAX.	16%	16.8%
IMPERVIOUS AREA CALCULATION:	N/A	32%	37.85%
OPEN SPACE REQUIRED: 1,500 S.F./ UNIT=1,500 x 208 312,000 S.F. (7.16 AC.)			
	44%	37%	42.56%
OPEN SPACE PROVIDED:			
		6.03 AC.	6.41 AC.
PARKING REQUIRED: (1.5 SPACE/UNIT) 1.5 x 208 = 312 SPACES			
PARKING PROPOSED: 409 SPACES (INCLUDING 10 B.F. SPACES) (1.966 SPACES/UNIT)			
	PREVIOUSLY APPROVED PLANS	CURRENT PLANS	
SITE AREA	16.1 AC.	15.478 AC.	
NO. OF BUILDING ON SITE:	23	16	
NO. OF UNITS PROPOSED:	208	208	
DWELLING UNITS PER ACRE:	12.91 DU/CCRE	13.44 DU/CCRE	
BUILDING COVERAGE:	16%	15.8%	
PAVED SURFACE PARKING AND ROADS CIRCULATION	32%	35.4%	
OPEN SPACE:	37%	41.41%	
PARKING PROVIDED:	406 SPACES (1.952 SPACES/UNIT)	409 SPACES (1.966 SPACES/UNIT)	

<p>Landscaping: The final plan provides a tree planting plan. L-1, L-2, L-3, and L-4 provide detailed landscaping details for different sections of the development.</p> <p>The landscaping plan does not note a continuous 20foot buffer and proposes a six-foot vinyl fence in areas abutting residential housing.</p> <p>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.</p> <p>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.</p>	
<p>Lighting:</p> <p>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.</p> <p>Suggested Condition 1: A lighting plan that should include additional pedestrian scale lighting in the common areas between buildings.</p>	
<p>Signs: Sign details were submitted. Proposed signage should be provided as a part of the final site plan review and shall meet the requirements of the zoning regulations.</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 	<p>✓</p> <p>✓</p>

<p style="text-align: center;">sidewalks and the building entrances.</p> <p>Staff Analysis: The sidewalk system within the development has been designed to provide good pedestrian access within the site and to Hamburg Rd.</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 side 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>✓</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>

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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.

(2)

A GPUD shall result in a higher quality of development than could be achieved under conventional zoning.

The common open space areas, private amenities and the extensive sidewalk connections will make this development a very desirable location for area residents and will 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.

The developer is requesting an increase in density.

(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 should 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.

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 will increase. However, the development will provide additional amenities for residents.

(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., The proposed for-rent apartments will 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.

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 preliminary 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.

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 engineering comments attached.

- 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. The plans submitted as a part of the final site plan review will address the Township Engineers initial comments and will provide greater details on the drainage, the design and construction of storm sewers, stormwater holding facilities, water mains, and sanitary sewers.

- 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 vacant cleared land.

- 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.

- 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.

- k. **Conformance to the adopted Hamburg Township Engineering and design standards.**

- b. Please see engineering comments attached.

- a. **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.

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:

The lighting plan should include pedestrian scale lighting in the park to allow safe pedestrian access.

Suggested Condition 2:

Prior to the issuance of a land use permit, 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.

Suggested Condition 3:

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.

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 D: Hamburg Township Fire Department Initial Review

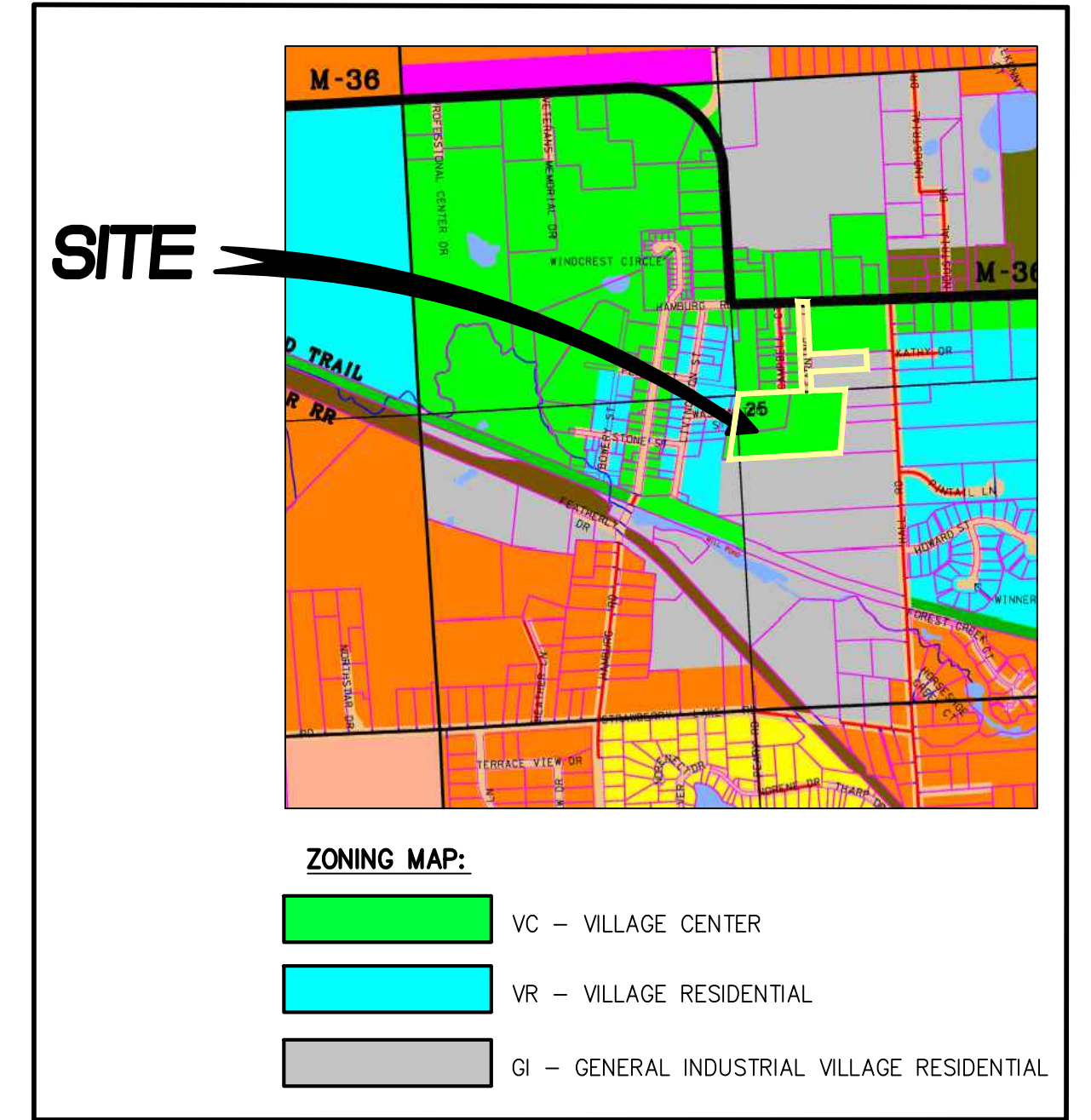
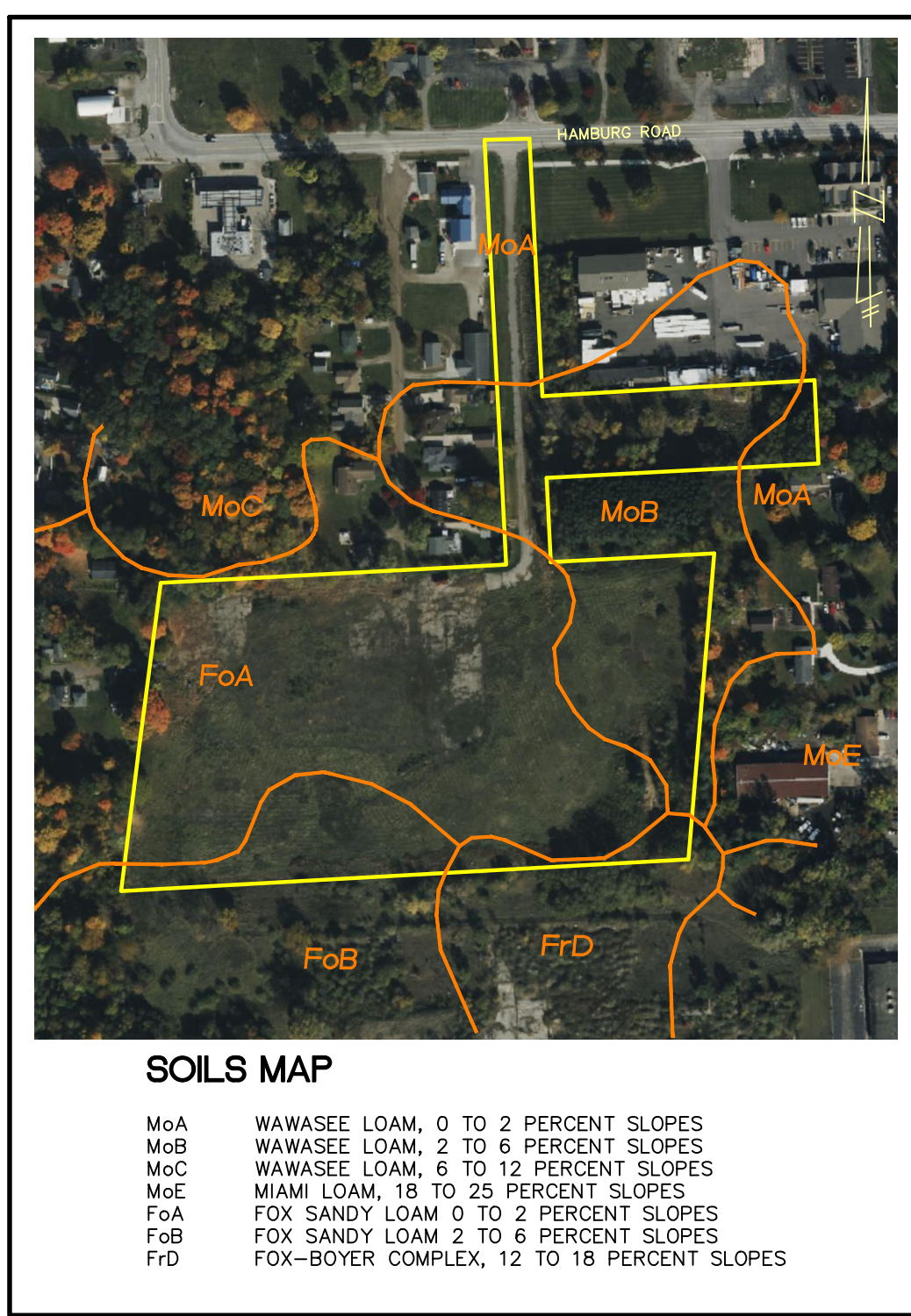
Exhibit E: Hamburg Township Engineering Consultant Initial Review

Exhibit F: Township Board Meeting Minutes

PRELIMINARY SITE PLANS FOR:
THE CROSSING AT LAKELANDS TRAIL

PART OF E. 1/2 OF SECTION 25, TOWN 1 NORTH, RANGE 5 EAST
 HAMBURG TWP., LIVINGSTON COUNTY, MICHIGAN

PREPARED FOR:
 ELEVATE LAND HOLDINGS - THE CROSSING
 128 N. CENTER STREET
 NORTHVILLE, MICHIGAN 48167
 248.344.1885



SHEET INDEX

ENGINEERING PLANS:

- COVER SHEET
- PREVIOUSLY APPROVED OPEN SPACE PLAN
- OVERALL PLAN AND OPEN SPACE PLAN
- UTILITIES PLAN
- GRADING PLAN
- GRADING PLAN
- GRADING PLAN
- STORM WATER MANAGEMENT PLAN

LANDSCAPE PLANS:

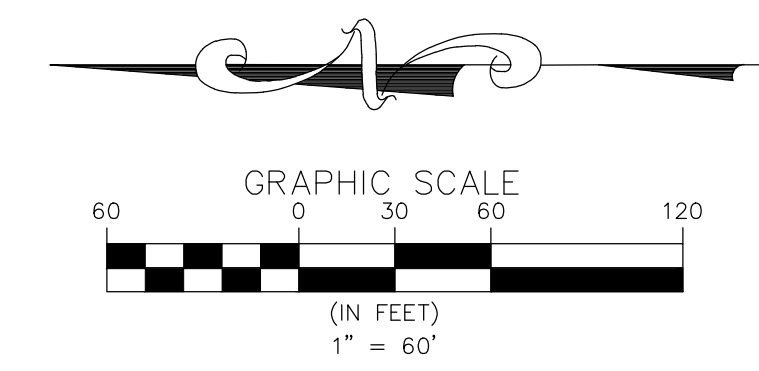
- LANDSCAPE PLAN
- LANDSCAPE PLAN
- LANDSCAPE PLAN
- LANDSCAPE DETAILS

ARCHITECTURAL PLANS PREPARED BY:	LANDSCAPE PLANS PROVIDED BY:	TOPOGRAPHIC SURVEY PREPARED BY:
TK DESIGN & ASSOCIATES 26030 PONTIAC TRAIL SOUTH LYON, MICHIGAN, 48178 PHONE: 248.446.1960	ALLEN DESIGN 557 CARPENTER NORTHVILLE, MICHIGAN 48167 PHONE: 248.467.4668	M. E. G. A. 298 VETERANS DRIVE FOWLerville, MICHIGAN, 48836 PHONE: 517.223.3512

SKL SEIBER KEAST LEHNER ENGINEERING | SURVEYING

CLINTON TOWNSHIP OFFICE 17001 NINETEEN MILE ROAD, SUITE 3 CLINTON TOWNSHIP, MI 48038 586.412.7050	FARMINGTON HILLS OFFICE 39205 COUNTRY CLUB DRIVE, SUITE C8 FARMINGTON HILLS, MI 48331 248.308.3331
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REVISIONS			ENGINEER'S SEAL
NO.	ITEM	DATE	
1.	PRE-APP SUBMITTAL	4-22-24	
2.	SUBMIT TO HAMBURG TWP.	8-16-24	
3.	SUBMIT TO HAMBURG TWP.	9-25-24	
DATE: 1-5-2024			DESIGNED BY: A.A. JOB NUMBER: 23-239
			CHECKED BY: C.S. DRAWING FILE: 1-23239-CV.dwg



PER PREVIOUSLY APPROVED PLANS
 PREPARED BY M.E.G.A. ENGINEERING
 DATED: 8-30-2022

OPEN SPACE REQUIRED:
 1,500 S.F./ UNIT=1,500 x 208
 312,000 S.F. (7.16 AC.) 44% OF SITE AREA (16.1 AC.)

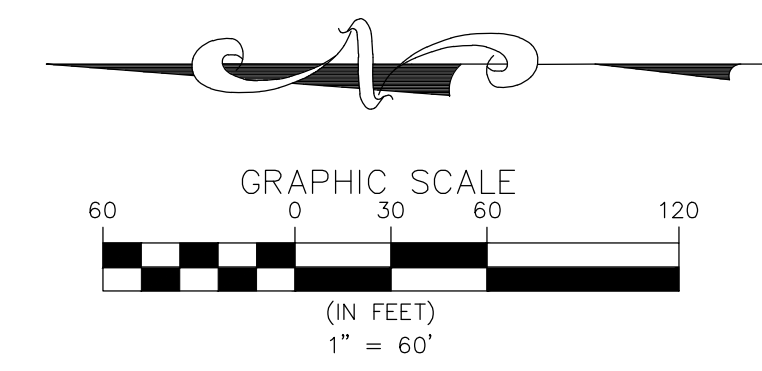
OPEN SPACE PROVIDED:
 262,684 S.F. (6.03 AC.) 37% OF SITE AREA (16.1 AC.)

3 WORKING DAYS
 BEFORE YOU DIG
 CALL MISS DIG
 1-800-482-7171
 TOLL FREE FOR THE LOCATION
 OF UNDERGROUND FACILITIES

CLIENT INFO:
 ELEVATE LAND HOLDINGS-
 THE CROSSING
 128 N. CENTER STREET
 NORTHVILLE, MI 48167
 248.344.1885

PROJECT NAME:
 THE CROSSING AT
 LAKELANDS TRAIL
 PART OF E. 1/2 OF SEC. 25, T.1N., R.5E.,
 HAMBURG TWP., LIVINGSTON COUNTY, MI

SHEET TITLE:
 PREVIOUSLY APPROVED
 SITE PLAN - OPEN SPACE

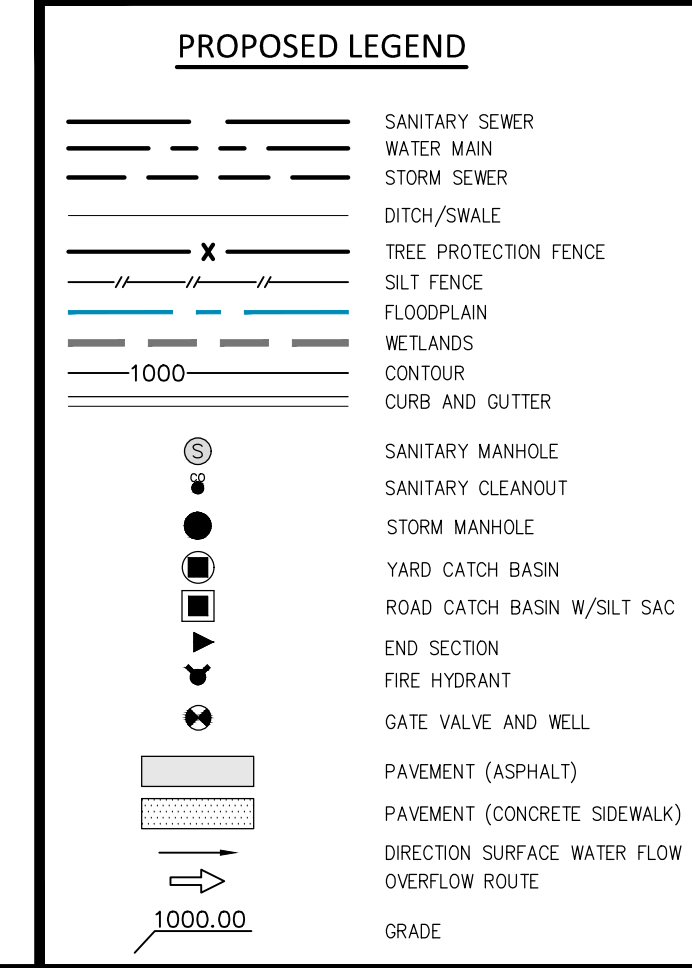


BUILDING TYPE	1B/R	2B/R	3B/R	TOTAL UNITS PER BLDG TYPE	TOTAL B/R PER BLDG TYPE	NO OF BLDGS	TOTAL B/R ALL BLDG TYPE
77' WD.	4	4	0	8	12	4	48
154' WD.	10	4	2	16	24	6	144
167' WD.	6	8	2	16	28	5	140
1B/R UNITS	106	51%				15	332
2B/R UNITS	80	38%					
3B/R UNITS	22	11%					
	208	100%					

SITE DATA
 EXISTING ZONING: GENERAL PLANNED UNIT DEVELOPMENT (GPUD)
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 NO. OF UNITS PROPOSED: 208
 DWELLING UNITS PER ACRE: 13.44 DU/CCRE (AMEND TO PUD AGREEMENT)

BUILDING SETBACKS:	REQUIRED	PREVIOUSLY APPROVED	PROPOSED
FRONT (FROM PAVEMENT):	20'	15'	N/A
SIDE:	10'	15'	20' MIN.
REAR: TO PROPERTY LINE	25'	30'	20' MIN.
BUILDING TO BUILDING:	35'	N/A	N/A
BUILDING FRONT TO SIDE:	N/A	25'	N/A
BUILDING SIDE TO SIDE:	N/A	15'	N/A
MAXIMUM BUILDING HEIGHT:	35'	35'	35'
MAXIMUM BUILDING STORIES:	2.5 STORIES	2 STORIES	2 STORIES
MINIMUM FLOOR AREA:			
1 BEDROOM	550 S.F.	875 S.F.	815 S.F.
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SEE LANDSCAPE PLANS FOR SCREENING WALL DETAILS

SEIBER KEAST LEHNER
 ENGINEERING | SURVEYING

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NO.	REVISIONS	DATE
1.	REV. LAYOUT PER HAMBURG TWP. REVIEW	4-22-24
2.	REV. ISLAND, ADD VINYL FENCE	6-26-24
3.	SUBMIT TO HAMBURG TWP.	8-16-24
4.	SUBMIT TO HAMBURG TWP.	9-25-24

3 WORKING DAYS BEFORE YOU DIG
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811

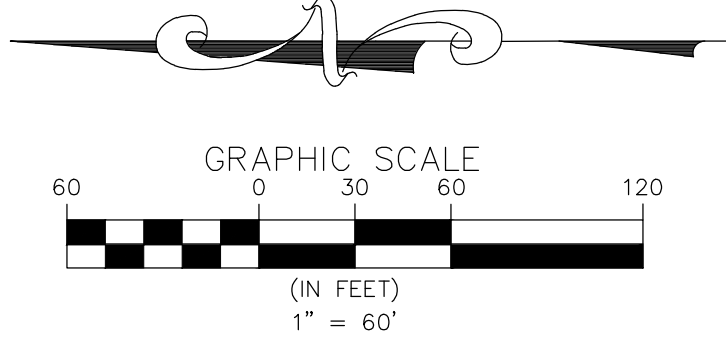
PROJECT NUMBER: 23-239
 PROJECT MANAGER: B. EMERINE
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: 1/10/24
 OFFICE: FARMINGTON HILLS

CLIENT INFO:
 ELEVATE LAND HOLDINGS - THE CROSSING
 128 N. CENTER STREET
 NORTHVILLE, MI 48167
 248.344.1885

THE CROSSING AT LAKELANDS TRAIL
 PART OF E. 1/2 OF SEC. 25, T.1N., R.1E., HAMBURG TWP., LIVINGSTON COUNTY, MI

OVERALL PLAN AND OPN SPACE PLAN

SHEET TITLE: [Blank]
 PAGE No.: 3



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NO.	REVISIONS	DESCRIPTION	DATE
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3.	SUBMIT TO HAMBURG TWP.		8-16-24
4.	SUBMIT TO HAMBURG TWP.		9-25-24

3 WORKING DAYS BEFORE YOU DIG
 CALL MISS DIG
 1-800-482-7171
 TOLL FREE FOR THE LOCATION OF UNDERGROUND UTILITIES

PROJECT NUMBER:	23-239
PROJECT MANAGER:	B. EMERINE
DRAWN BY:	C.S.
CHECKED BY:	C.S.
DATE:	1/10/24
OFFICE:	FARMINGTON HILLS

CLIENT INFO:
 ELEVATE LAND HOLDINGS-
 THE CROSSING AT
 LAKELANDS TRAIL
 128 N. CENTER STREET
 NORTHVILLE, MI 48167
 248.344.1885

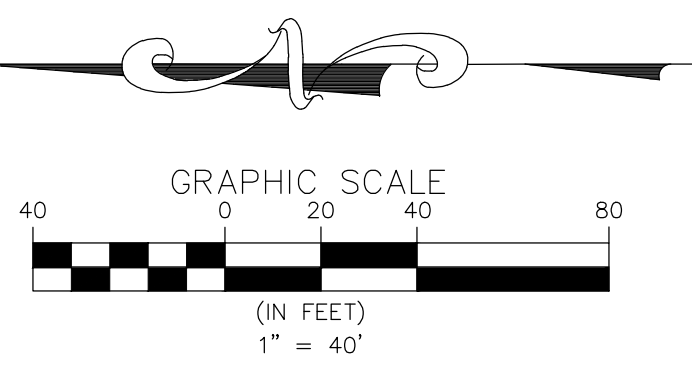
PROJECT NAME:
 THE CROSSING AT
 LAKELANDS TRAIL
 PART OF E. 1/2 OF SEC. 25, T.1N., R.9E.,
 HAMBURG TWP., LIVINGSTON COUNTY, MI

SHEET TITLE:
 UTILITIES PLAN

PAGE No.: 4

PROPOSED LEGEND

	SANITARY SEWER
	WATER MAIN
	STORM SEWER
	DITCH/SWALE
	TREE PROTECTION FENCE
	SILT FENCE
	FLOODPLAIN
	WETLANDS
	CONTOUR
	CURB AND GUTTER
	SANITARY MANHOLE
	SANITARY CLEANOUT
	STORM MANHOLE
	YARD CATCH BASIN
	ROAD CATCH BASIN W/SILT SAC
	END SECTION
	FIRE HYDRANT
	GATE VALVE AND WELL
	PAVEMENT (ASPHALT)
	PAVEMENT (CONCRETE SIDEWALK)
	DIRECTION SURFACE WATER FLOW
	OVERFLOW ROUTE
	GRADE



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NO.	REVISIONS	DESCRIPTION	DATE
1.	REV. LAYOUT PER HAMBURG TWP. REVIEW		4-22-24
2.	REV. ISLAND, ADD VINYL FENCE		6-26-24
3.	SUBMIT TO HAMBURG TWP.		8-16-24
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PROJECT NUMBER:	23-239
PROJECT MANAGER:	B. EMERINE
DRAWN BY:	
CHECKED BY:	
DATE:	1/10/24
OFFICE:	FARMINGTON HILLS

CLIENT INFO:
ELEVATE LAND HOLDINGS- THE CROSSING AT LAKELANDS TRAIL
128 N. CENTER STREET
NORTHVILLE, MI 48167
248.344.1885

PROJECT NAME:
THE CROSSING AT LAKELANDS TRAIL
PART OF E. 1/2 OF SEC. 25, T.1N., R.9E., HAMBURG TWP., LIVINGSTON COUNTY, MI

SHEET TITLE:
GRADING PLAN

PAGE No.: 5

PROPOSED LEGEND

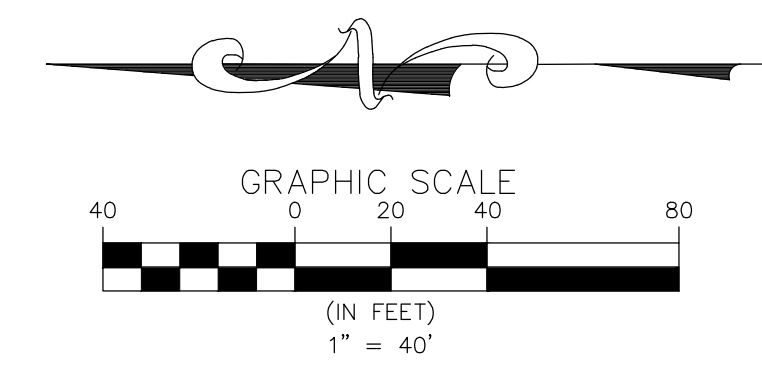
	SANITARY SEWER
	WATER MAIN
	STORM SEWER
	DITCH/SWALE
	TREE PROTECTION FENCE
	SILT FENCE
	FLOODPLAIN
	WETLANDS
	CONTOUR
	CURB AND GUTTER
	SANITARY MANHOLE
	SANITARY CLEANOUT
	STORM MANHOLE
	YARD CATCH BASIN
	ROAD CATCH BASIN W/SILT SAC
	END SECTION
	FIRE HYDRANT
	GATE VALVE AND WELL
	PAVEMENT (ASPHALT)
	PAVEMENT (CONCRETE SIDEWALK)
	DIRECTION SURFACE WATER FLOW
	OVERFLOW ROUTE
	GRADE

(SEE SHEET 6)

(SEE SHEET 5)



(SEE SHEET 7)

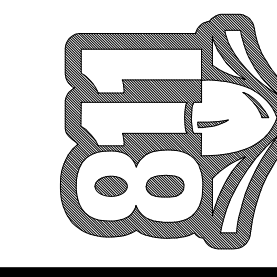


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PROJECT NUMBER:	23-239
PROJECT MANAGER:	B. EMERINE
DRAWN BY:	
CHECKED BY:	
DATE:	1/10/24
OFFICE:	FARMINGTON HILLS

CLIENT INFO:
ELEVATE LAND HOLDINGS-
THE CROSSING AT
LAKELANDS TRAIL
128 N. CENTER STREET
NORTHVILLE, MI 48167
248.344.1885

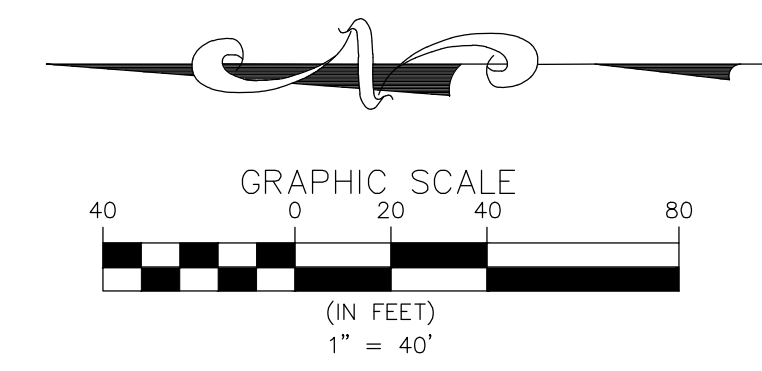
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THE CROSSING AT
LAKELANDS TRAIL
PART OF E. 1/2 OF SEC. 25, T.1N., R.5E.,
HAMBURG TWP., LIVINGSTON COUNTY, MI

SHEET TITLE:
GRADING PLAN

PAGE No.:
6

PROPOSED LEGEND	
	SANITARY SEWER
	WATER MAIN
	STORM SEWER
	DITCH/SWALE
	TREE PROTECTION FENCE
	SILT FENCE
	FLOODPLAIN
	WETLANDS
	CONTOUR
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	PAVEMENT (ASPHALT)
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	DIRECTION SURFACE WATER FLOW
	OVERFLOW ROUTE
	GRADE

(SEE SHEET 6)

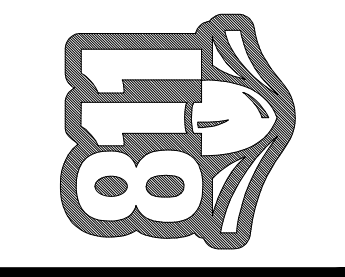


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1.	REV. LAYOUT PER HAMBURG TWP.	REVIEW	4-22-24
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PROJECT NUMBER: 23-239
PROJECT MANAGER: B. EMERINE
DRAWN BY:
CHECKED BY:
DATE: 1/10/24
OFFICE: FARMINGTON HILLS

CLIENT INFO:
ELEVATE LAND HOLDINGS- THE CROSSING AT LAKELANDS TRAIL
PART OF E. 1/2 OF SEC. 25, T.1N., R.9E., HAMBURG TWP., LIVINGSTON COUNTY, MI
128 N. CENTER STREET
NORTHVILLE, MI 48167
248.344.1885

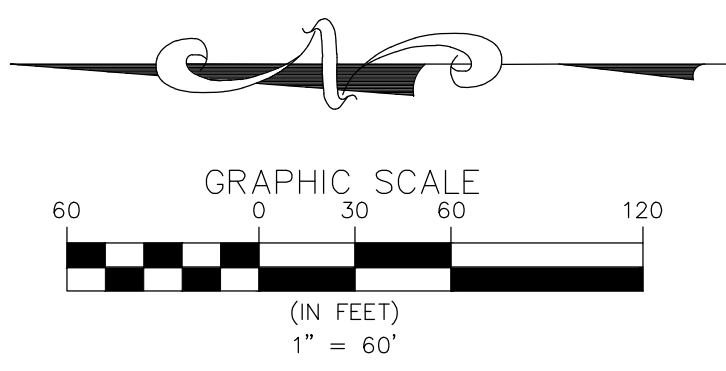
PROJECT NAME:
THE CROSSING AT LAKELANDS TRAIL
PART OF E. 1/2 OF SEC. 25, T.1N., R.9E., HAMBURG TWP., LIVINGSTON COUNTY, MI

SHEET TITLE:
GRADING PLAN

PAGE No.: 7

PROPOSED LEGEND

	SANITARY SEWER
	WATER MAIN
	STORM SEWER
	DITCH/SWALE
	TREE PROTECTION FENCE
	SILT FENCE
	FLOODPLAIN
	WETLANDS
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	PAVEMENT (ASPHALT)
	PAVEMENT (CONCRETE SIDEWALK)
	DIRECTION SURFACE WATER FLOW
	OVERFLOW ROUTE
	GRADE



WATER QUALITY VOLUME REQUIRED
 A = 15.11 Ac
 C = 0.65
 $Vw-q = 3,630 \times C \times A = 35,652 \text{ ft}^3 \text{ required} < Vr-a$

DETERMINE DETENTION REQUIREMENTS (100-YEAR STORM)
 Ac = 15.11 Ac (Onsite Area Tributary to Basin)
 Ac_{off} = 0.00 Ac (Offsite Area Tributary to Basin)
 C = 0.65

CALCULATE VARIABLE RELEASE RATE
 $Qvrr = 1.1055 \times 0.206 \ln(A)$ Qrr = Allowable release rate in cfs/acre
 A = Contributign area in acres
 (does not govern)
 Qvrr = 0.55 cfs/acre

CALCULATE 100-YEAR DETENTION PEAK FLOW RATE (Q100P)
 Q100p = Qvrr x A = 8.25 cfs
 Q100p = Allowable 100-year post-development peak flow rate in cfs

CALCULATE 100-YEAR DETENTION VOLUME (V100D)
 Ac = 15.11 Ac (Onsite Area Tributary to Basin)
 Ac_{off} = 0.00 Ac (Offsite Area Tributary to Basin)
 $V100 = 18985 \times C \times A$ V100 = POST-DEVELOPMENT 100-YEAR RUNOFF VOLUME IN CF
 V100 = 186461 cf

CALCULATE 100-YEAR PEAK INFLOW RATE (Q100IN)
 Ac = 15.11 Ac (Onsite Area Tributary to Basin)
 Ac_{off} = 0.00 Ac (Offsite Area Tributary to Basin)
 $Q100IN = C \times I100 \times A$ Q100IN = 100-YEAR POST-DEVELOPMENT PEAK INFLOW RATE IN CFS
 $I100 = 83.3 / (Tc + 9.17)^{0.81}$ I100 = 100-year peak rainfall intensity in inches/hour
 I100 = 4.658 in/hr
 Q100IN = 45.75 cfs

CALCULATE STORAGE CURVE FACTOR FOR THE 100-YEAR DETENTION VOLUME (R)
 $R = [0.206 - 0.15 \ln(Q100P/Q100IN)]$
 R = 0.463

CALCULATE 100-YEAR REQUIRED DETENTION BASIN VOLUME
 $V100R = (V100R \times R) - VCP-P$ V100R = Required 100-year detention volume in cf
 V100R = 100-Year runoff volume in cf
 R = Storage curve factor
 Vcp-p = Provided CVPC Volume in cf
 V100D >= VED

REQUIRED DETENTION VOLUME
 V100D = 86316 C.F.
PROVIDED DETENTION VOLUME
 117041 C.F.

DETERMINE STORAGE IN SEDIMENT BASIN

Elevation	Area	Volume (c.f.)
904	6864	0
905	8526	7695
906	10321	17119
907	12214	28386

HW EL = 907.0 Volume at HW = 28386

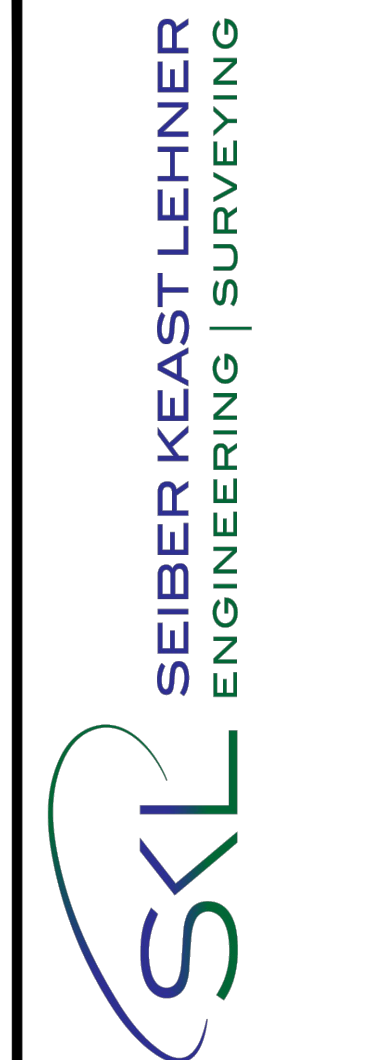
DETERMINE STORAGE IN DETENTION BASIN

Elevation	Area	Volume (c.f.)
904	24897	0
905	27939	26418
906	31098	55937
907	34338	88655

HW EL = 907.0 Volume at HW = 88655

C-Factor Determination

Tributary Area =	15.11 Acres		
Imperious Areas			
Bldgs, Roads and S/W =	8.83 Ac.	at C =	0.90
Pervious Areas			
Lawn Areas =	5.60 Ac.	at C =	0.20
Low Water	0.68 Ac.	at C =	1.00
C Avg.	= 0.65		



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2.	SUBMIT TO HAMBURG TWP.		9-25-24

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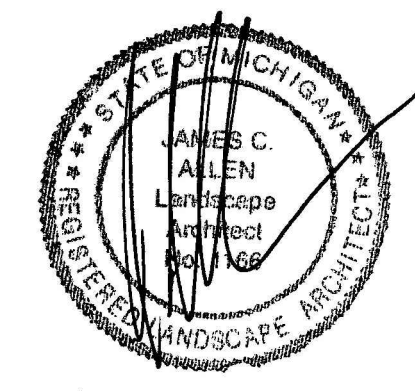
PROJECT NUMBER: 23-239
 PROJECT MANAGER: B. EMERINE
 DRAWN BY: C.S.
 CHECKED BY: C.S.
 DATE: 1/10/24
 OFFICE: FARMINGTON HILLS

CLIENT INFO:
 ELEVATE LAND HOLDINGS-
 THE CROSSING
 128 N. CENTER STREET
 NORTHVILLE, MI 48167
 248.344.1885

PROJECT NAME:
 THE CROSSING AT
 LAKELANDS TRAIL
 PART OF E. 1/2 OF SEC. 25, T.1N., R.9E.,
 HAMBURG TWP., UNIVINGSTON COUNTY, MI

SHEET TITLE:
 STORM WATER
 MANAGEMENT PLAN

Seal: _____



Title:
Landscape Plan

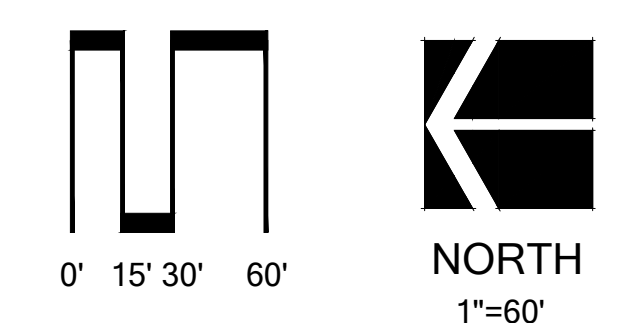
Project:
**Lakeland Trails
 Hamburg Township, Michigan**

Prepared for:
 Elevate Property Partners, LLC
 128 North Center
 Northville, Michigan 48167

Revision: _____ Issued: _____
 Review April 11, 2024
 Revised April 22, 2024
 Revised August 16, 2024
 Revised September 25, 2024

Job Number:
 24-019

Drawn By: _____ Checked By: _____
 jca jca



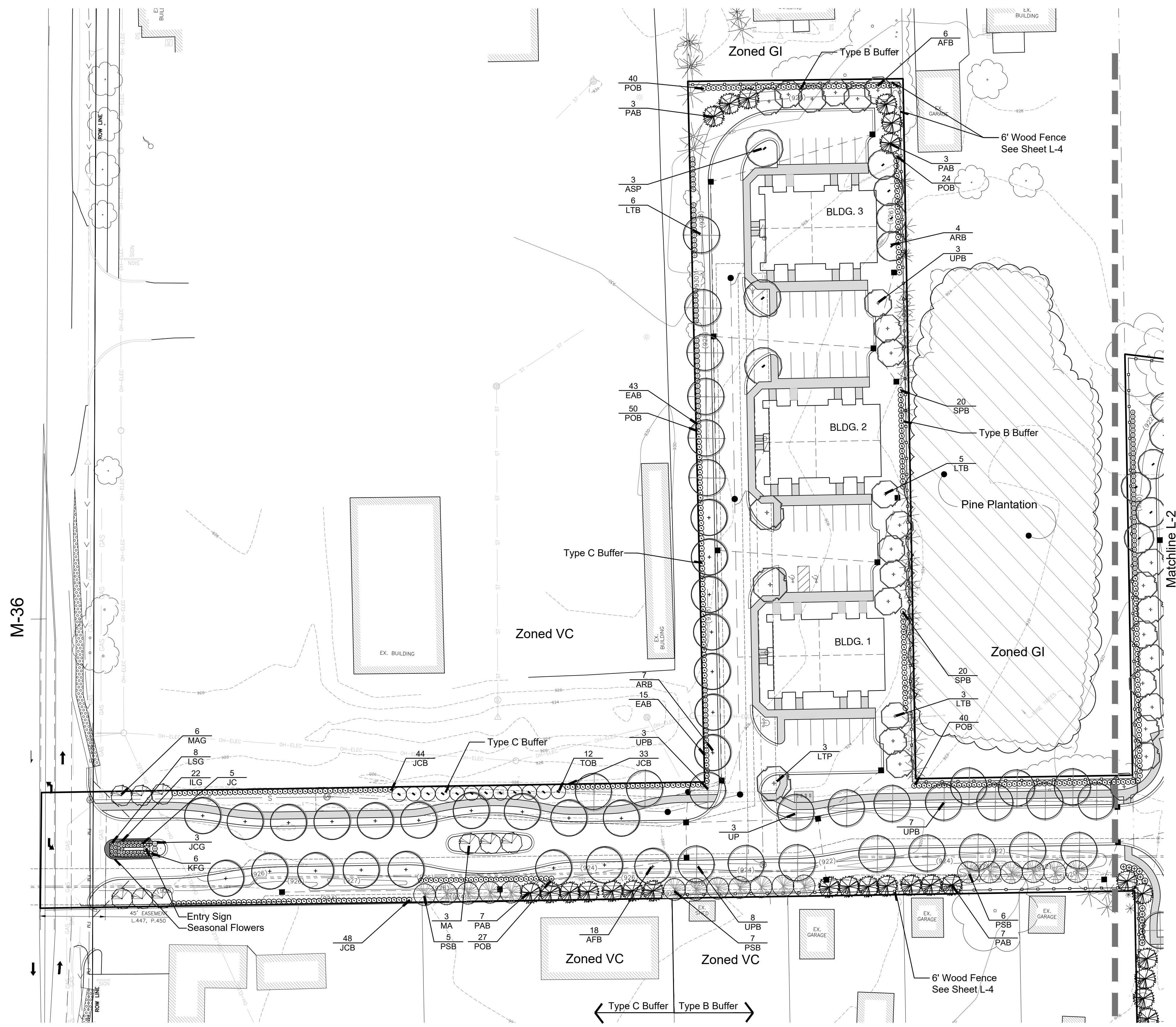
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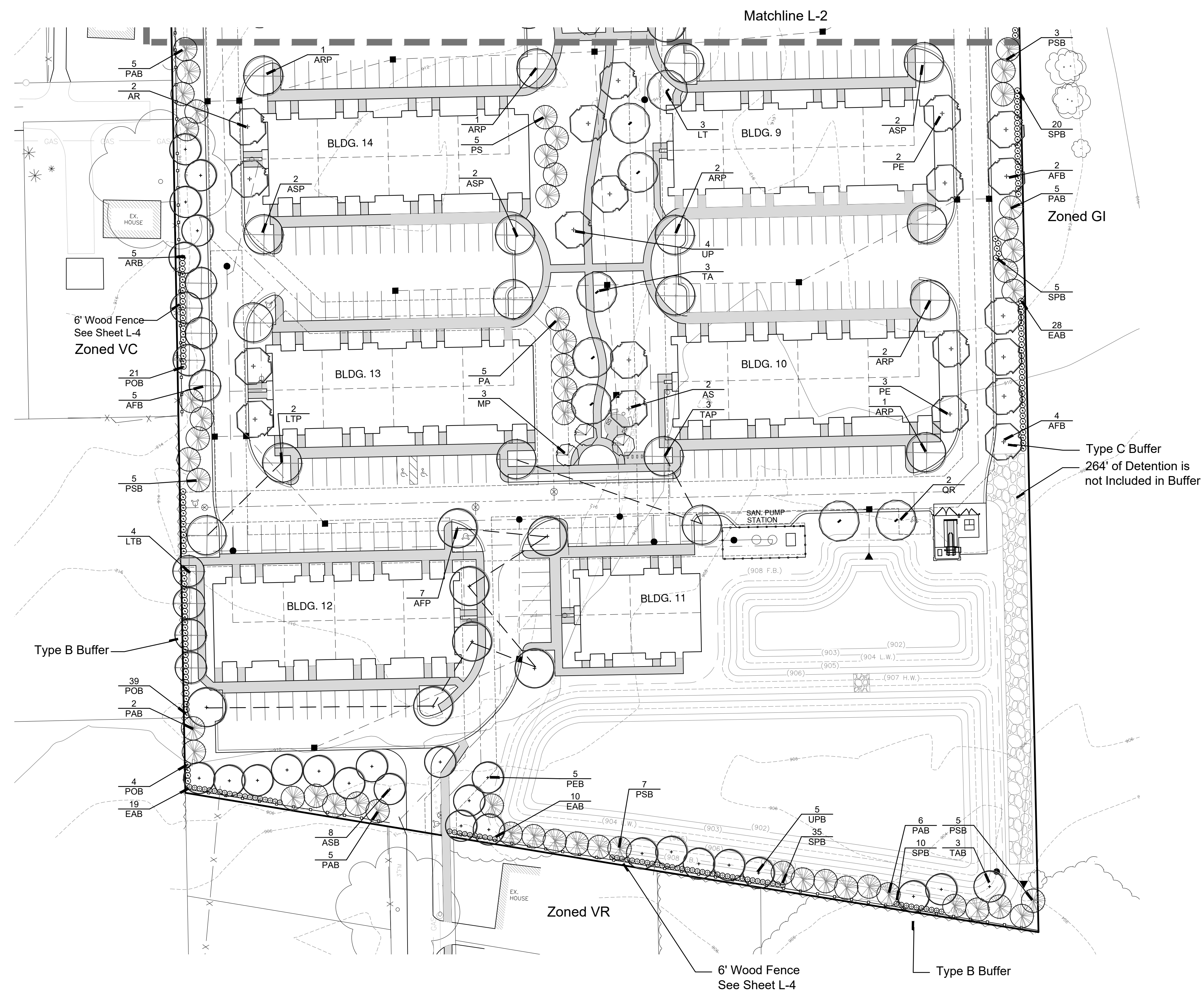
Landscape Summary - This Sheet

Existing Zoning	GPUD
Greenbelt	
Street Frontage	80 l.f.
Trees Required	2 Trees (80 / 40)
Trees Provided	6 Trees
Shrubs Required	8 Shrubs (80 / 40) x 4
Shrubs Provided	25 Shrubs
Land Use Buffers	
Buffer Length West and North	1,300 l.f. (Type C)
Trees Required	65 Trees (1,300 / 20)
Trees Provided	65 Trees (7 Existing)
Shrubs Required	260 Shrubs (1,300 / 20) x 4
Shrubs Provided	260 Shrubs
Buffer Length West and East	1,078 l.f. (Type B)
Canopy Trees Required	35.9 Trees (1,078 / 30)
Canopy Trees Provided	36 Trees
Evergreen Trees Required	35.9 Trees (1,078 / 30)
Evergreen Trees Provided	62 Trees (36 Existing)
Shrubs Required	143.7 Shrubs (1,078 / 30) x 4
Shrubs Provided	144 Shrubs
Parking Lot Landscaping	
Parking Lot Area	
Trees Required	5.8 Trees (11,654 / 2,000)
Trees Provided	6 Trees

Plant List - This Sheet

sym.	qty.	botanical name	common name	caliper	spacing	root	height
Greenbelt							
ILG	22	Ilex glabra 'Nordic'	Nordic Inkberry		as shown	cont	24"
JCG	3	Juniperus ch. keteleeri	Keteleeri Juniper		as shown	B&B	6', Hedge to 5'
KFG	6	Calamagrostis x. a. 'Karl Forester'	Karl Forester Grass		as shown	cont	#3
LSG	8	Leucanthemum 'Snow Lady'	Short Shasta Daisy		as shown	cont	#2
MAG	6	Malus 'Adirondack'	Adirondack Crab Apple	2.0"	as shown	B&B	
ROG	13	Rosa 'Knockout'	Knockout Rose		spacing	cont	#3
	6	Trees Provided					
	25	Shrubs Provided					
Land Use Buffers							
AFB	24	Acer x. freemanii 'Autumn Blaze'	Autumn Blaze Maple	2.5"	as shown	B&B	
ARB	11	Acer rubrum 'Redpoint'	Redpoint Maple	2.5"	as shown	B&B	
EAB	58	Euconymus alata 'Compacta'	Burning Bush		as shown	cont	24"
JCB	125	Juniperus ch. keteleeri	Keteleeri Juniper		as shown	B&B	6', Hedge to 5'
LTB	14	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	B&B	
PAB	20	Picea abies	Norway Spruce		as shown	B&B	6'
POB	181	Physocarpus opulifolius 'Diablo'	Diablo Ninebark		as shown	cont	24"
PSB	18	Pinus strobus	White Pine		as shown	B&B	6'
SPB	40	Spiraea j. 'Little Princess'	Little Princess Spirea		as shown	cont	24"
TOB	12	Thuja pl. 'Green Giant'	Green Giant Arborvitae		as shown	B&B	6'
UPB	21	Ulmus americana 'Princeton'	Princeton Elm	2.5"	as shown	B&B	
	120	Trees Provided					
	404	Shrubs Provided					
Parking Lot Trees							
ASP	3	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	B&B	
LTP	3	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	B&B	
	6	Trees Provided					
General Plantings							
MA	3	Malus 'Adirondack'	Adirondack Crab Apple	2.0"	as shown	B&B	
UP	3	Ulmus americana 'Princeton'	Princeton Elm	2.5"	as shown	B&B	





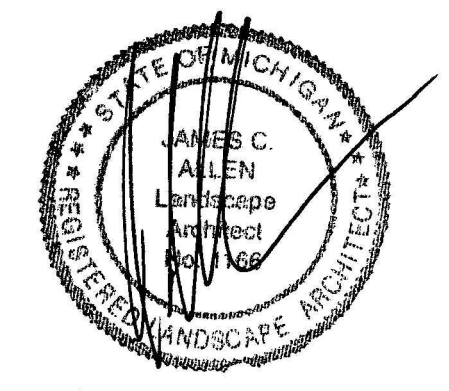
Landscape Summary - This Sheet

Existing Zoning	GPUD
Land Use Buffers	
Buffer Length - West and North	1,033 l.f. (Type B)
Deciduous Trees Required	34.4 Trees (1,033 / 30)
Deciduous Trees Provided	35 Trees
Evergreen Trees Required	34.4 Trees (1,033 / 30)
Evergreen Trees Provided	35 Trees
Shrubs Required	137.7 Shrubs (1,033 / 30) x 4
Shrubs Provided	138 Shrubs
Buffer Length - South	262 l.f. (Type C)
Trees Required	13.1 Trees (262 / 20)
Trees Provided	14 Trees
Shrubs Required	52.4 Shrubs (262 / 20) x 4
Shrubs Provided	53 Shrubs
Parking Lot Landscaping	
Parking Lot Area	
Trees Required	25.4 Trees (50,809 / 2,000)
Trees Provided	25 Trees

Plant List - This Sheet

sym.	qty.	botanical name	common name	caliper	spacing	root	height
Land Use Buffers							
AFB	11	Acer x. freemanii 'Autumn Blaze'	Autumn Blaze Maple	2.5"	as shown	B&B	
ARB	5	Acer rubrum 'Redpoint'	Redpoint Maple	2.5"	as shown	B&B	
ASB	8	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	B&B	
EAB	57	Euonymus alata 'Compacta'	Burning Bush		as shown	cont	24"
LTB	4	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	B&B	
PAB	23	Picea abies	Norway Spruce		as shown	B&B	6'
PEB	5	Platanus x acerifolia 'Exclamation'	Exclamation London Planetree	2.5"	as shown	B&B	
POB	64	Physocarpus opulifolius 'Diablo'	Diablo Ninebark		as shown	cont	24"
PSB	20	Pinus strobus	White Pine		as shown	B&B	6'
SPB	70	Spiraea j. 'Little Princess'	Little Princess Spirea		as shown	cont	24"
TAB	3	Tilia americana 'Redmond'	Redmond Linden	2.5"	as shown	B&B	
UPB	5	Ulmus americana 'Princeton'	Princeton Elm	2.5"	as shown	B&B	
	84	Trees Provided					
	191	Shrubs Provided					
Parking Lot Trees							
AFP	7	Acer x. freemanii 'Autumn Blaze'	Autumn Blaze Maple	2.5"	as shown	B&B	
ARP	7	Acer rubrum 'Redpoint'	Redpoint Maple	2.5"	as shown	B&B	
ASP	6	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	B&B	
LTP	2	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	B&B	
TAP	3	Tilia americana 'Redmond'	Redmond Linden	2.5"	as shown	B&B	
	25	Trees Provided					
General Plantings							
AR	2	Acer rubrum 'Redpoint'	Redpoint Maple	2.5"	as shown	B&B	
AS	2	Acer saccharum 'Legacy'	Sugar Maple	2.5"	as shown	B&B	
LT	3	Liriodendron tulipifera	Tulip Tree	2.5"	as shown	B&B	
MP	3	Malus 'Profusion'	Profusion Crab Apple	2.0"	as shown	B&B	
PA	5	Picea abies	Norway Spruce		as shown	B&B	6'
PE	4	Platanus x acerifolia 'Exclamation'	Exclamation London Planetree	2.5"	as shown	B&B	
PS	5	Pinus strobus	White Pine		as shown	B&B	6'
QR	2	Quercus rubra	Red Oak	2.5"	as shown	B&B	
TA	3	Tilia americana 'Redmond'	Redmond Linden	2.5"	as shown	B&B	
UP	4	Ulmus americana 'Princeton'	Princeton Elm	2.5"	as shown	B&B	

Seal:



Title:

Landscape Plan

Project:

Lakeland Trails
 Hamburg Township, Michigan

Prepared for:

Elevate Property Partners, LLC
 128 North Center
 Northville, Michigan 48167

Revision:

Revised
 Revised
 Revised

Issued:

April 11, 2024
 April 22, 2024
 August 16, 2024
 September 25, 2024

Job Number:

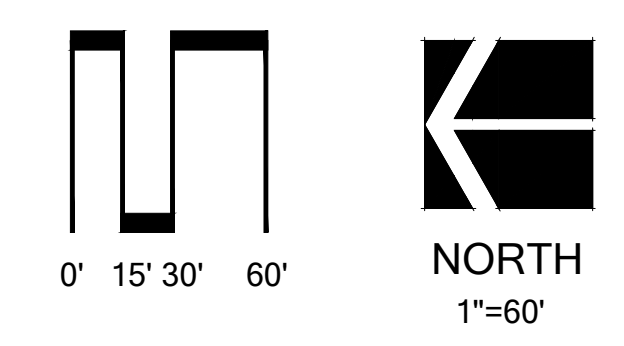
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Drawn By:

jca

Checked By:

jca

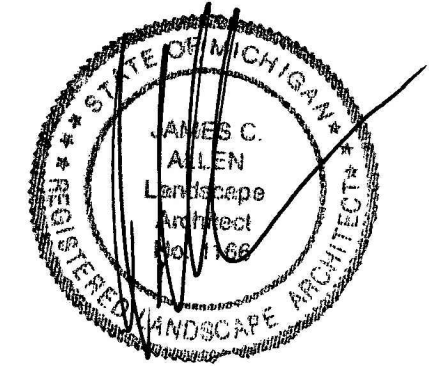


Sheet No.

L-3



Seal:



Title:

Landscape Details

Project:

Lakeland Trails
Hamburg Township, Michigan

Prepared for:

Elevate Property Partners, LLC
128 North Center
Northville, Michigan 48167

Revision:

Review
Revised
Revised
Revised

Issued:

April 11, 2024
April 22, 2024
August 16, 2024
September 25, 2024

Job Number:

24-019

Drawn By:

jca

Checked By:

jca

Sheet No.



NOTE:
GUY DECIDUOUS TREES ABOVE 3" CAL. STAKE DECIDUOUS TREES BELOW 3" CAL.

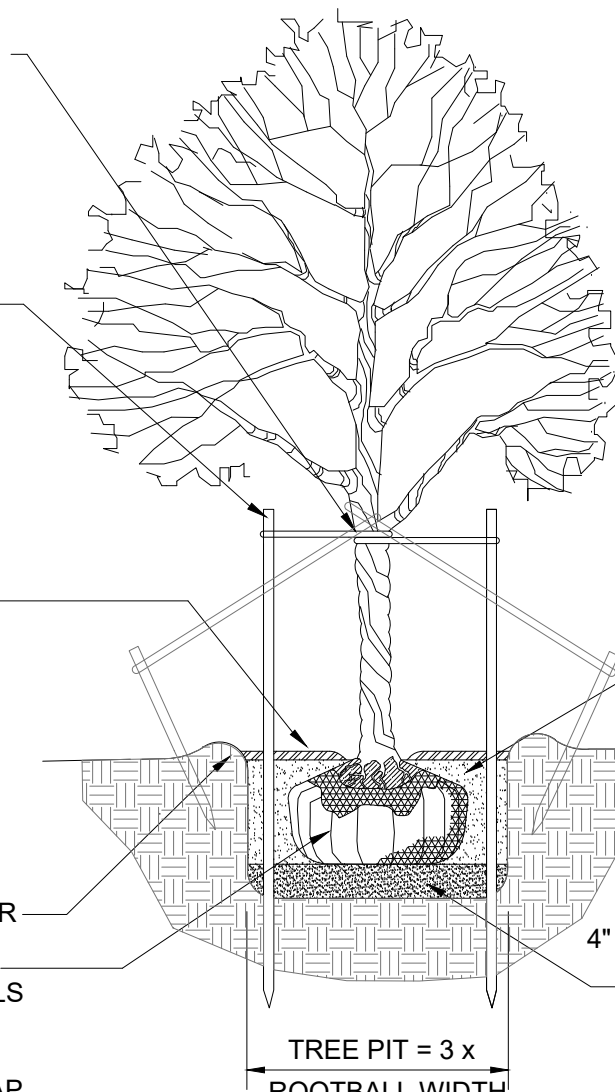
STAKE TREES AT FIRST BRANCH USING 2"-3" WIDE BELT-LIKE NYLON OR PLASTIC STRAPS. ALLOW FOR SOME MINIMAL FLEXING OF THE TREE. REMOVE AFTER ONE YEAR.

2" X 2" HARDWOOD STAKES, MIN. 36" ABOVE GROUND FOR UPRIGHT, 18" IF ANGLED. DRIVE STAKES A MIN. 18" INTO UNDISTURBED GROUND OUTSIDE ROOTBALL. REMOVE AFTER ONE YEAR.

MULCH 4" DEPTH WITH SHREDDED HARDWOOD BARK, NATURAL IN COLOR. LEAVE 3" CIRCLE OF BARE SOIL AT BASE OF TREE TRUNK. PULL ANY ROOT BALL DIRT EXTENDING ABOVE THE ROOT FLARE AWAY FROM THE TRUNK SO THE ROOT FLARE IS EXPOSED TO AIR.

MOUND EARTH TO FORM SAUCER

REMOVE ALL NON-BIODEGRADABLE MATERIALS COMPLETELY FROM THE ROOTBALL. CUT DOWN WIRE BASKET AND FOLD DOWN BURLAP FROM TOP 1/2 OF THE ROOTBALL.



NOTE:
TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 6" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.

DO NOT PRUNE TERMINAL LEADER. PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY OR COULD CAUSE GIRDLING.

PLANTING MIXTURE: AMEND SOILS PER SITE CONDITIONS AND REQUIREMENTS OF THE PLANT MATERIAL.

SCARIFY SUBGRADE AND PLANTING PIT SIDES. RECOMPACT BASE OF TO 4" DEPTH.

NOTE:
GUY EVERGREEN TREES ABOVE 12' HEIGHT. STAKE EVERGREEN TREE BELOW 12' HEIGHT.

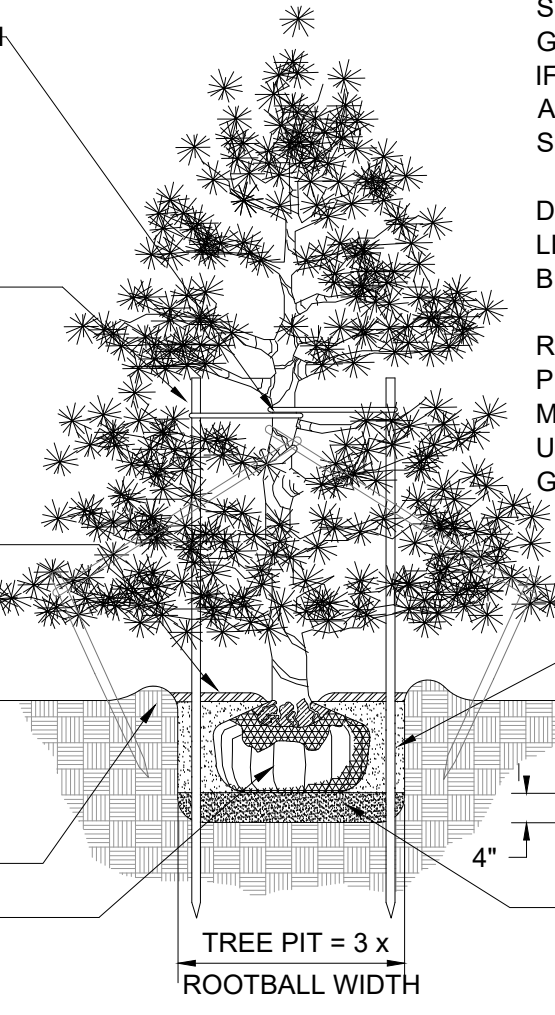
STAKE TREES AT FIRST BRANCH USING 2"-3" WIDE BELT-LIKE NYLON OR PLASTIC STRAPS. ALLOW FOR SOME MINIMAL FLEXING OF THE TREE. REMOVE AFTER ONE YEAR.

2" X 2" HARDWOOD STAKES, MIN. 36" ABOVE GROUND FOR UPRIGHT, 18" IF ANGLED. DRIVE STAKES A MIN. 18" INTO UNDISTURBED GROUND OUTSIDE ROOTBALL. REMOVE AFTER ONE YEAR.

MULCH 4" DEPTH WITH SHREDDED HARDWOOD BARK, NATURAL IN COLOR. LEAVE 3" CIRCLE OF BARE SOIL AT BASE OF TREE TRUNK. PULL ANY ROOT BALL DIRT EXTENDING ABOVE THE ROOT FLARE AWAY FROM THE TRUNK SO THE ROOT FLARE IS EXPOSED TO AIR.

MOUND EARTH TO FORM SAUCER

REMOVE ALL NON-BIODEGRADABLE MATERIALS COMPLETELY FROM THE ROOTBALL. CUT DOWN WIRE BASKET AND FOLD DOWN BURLAP FROM TOP 1/2 OF THE ROOTBALL.



NOTE:
TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 6" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.

DO NOT PRUNE TERMINAL LEADER. PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY OR COULD CAUSE GIRDLING.

PLANTING MIXTURE: AMEND SOILS PER SITE CONDITIONS AND REQUIREMENTS OF THE PLANT MATERIAL.

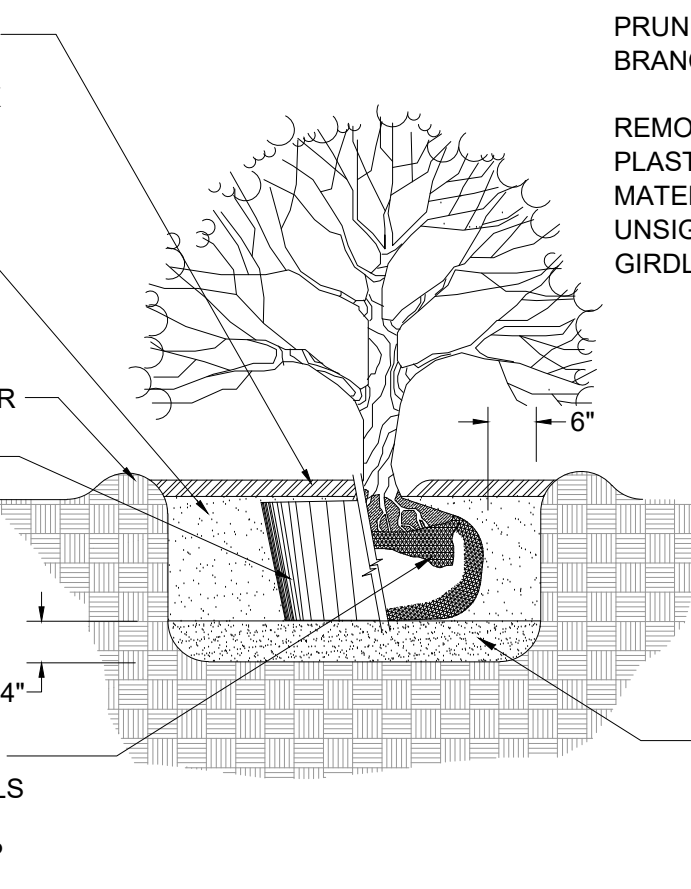
SCARIFY SUBGRADE AND PLANTING PIT SIDES. RECOMPACT BASE OF TO 4" DEPTH.

MULCH 3" DEPTH WITH SHREDDED HARDWOOD BARK, NATURAL IN COLOR. PULL BACK 3" FROM TRUNK.

PLANTING MIXTURE: AMEND SOILS PER SITE CONDITIONS AND REQUIREMENTS OF THE PLANT MATERIAL. MOUND EARTH TO FORM SAUCER

REMOVE COLLAR OF ALL FIBER POTS. POTS SHALL BE CUT TO PROVIDE FOR ROOT GROWTH. REMOVE ALL NONORGANIC CONTAINERS COMPLETELY.

REMOVE ALL NON-BIODEGRADABLE MATERIALS COMPLETELY FROM THE ROOTBALL. FOLD DOWN BURLAP FROM TOP 1/2 OF THE ROOTBALL.



NOTE:
TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 4" ABOVE GRADE, IF DIRECTED BY LANDSCAPE ARCHITECT FOR HEAVY CLAY SOIL AREAS.

PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTICS AND OTHER MATERIALS THAT ARE UNSIGHTLY OR COULD CAUSE GIRDLING.

SCARIFY SUBGRADE AND PLANTING PIT SIDES. RECOMPACT BASE OF TO 4" DEPTH.

DECIDUOUS TREE PLANTING DETAIL

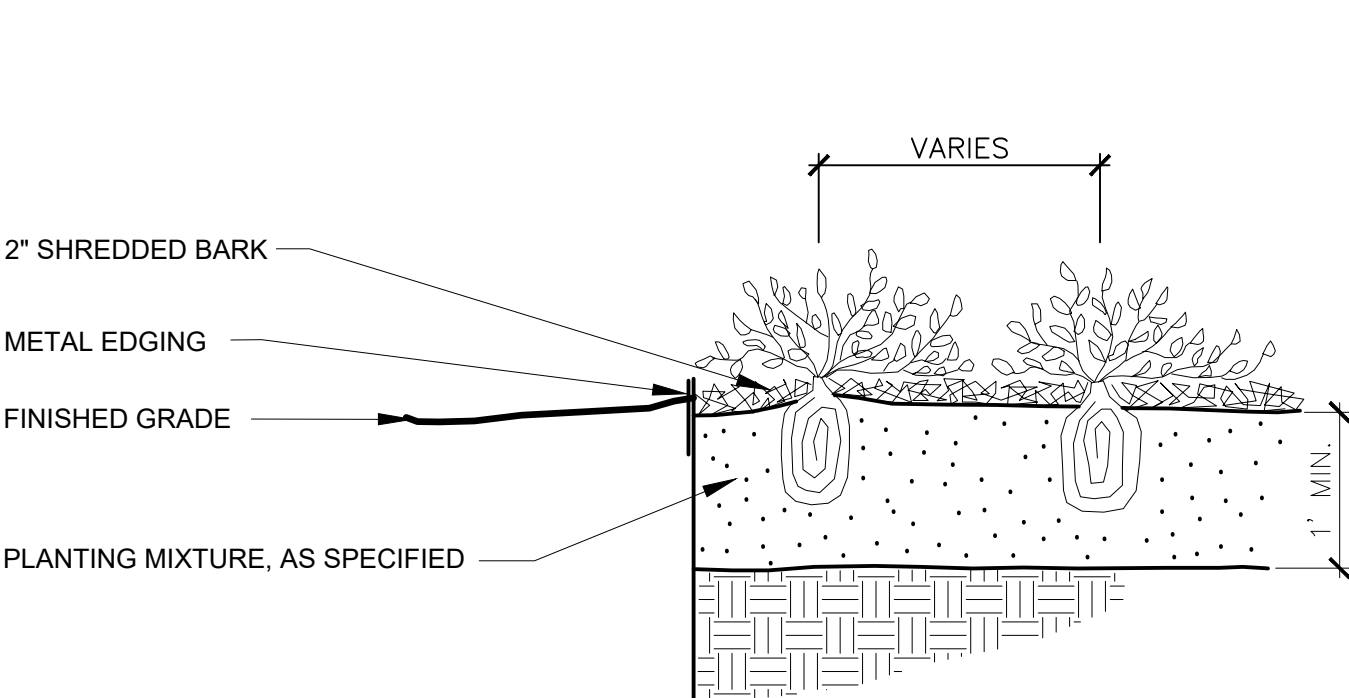
Not to scale

EVERGREEN TREE PLANTING DETAIL

Not to scale

SHRUB PLANTING DETAIL

NOT TO SCALE



PERENNIAL PLANTING DETAIL

Not to scale

6' Pressure Treated Wood Fence

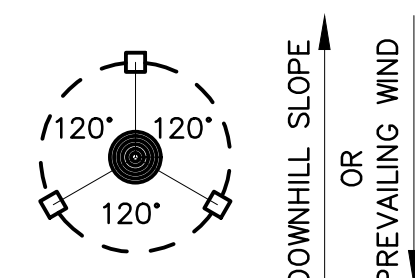


Size: 6' High, 8' Long Panels with Structural Members Facing Project Site

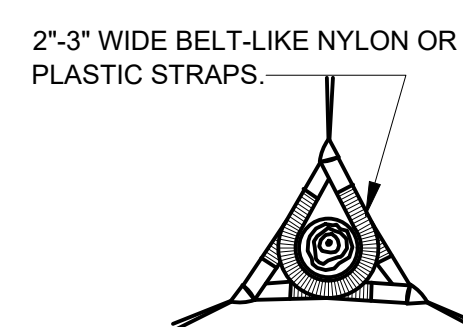
LANDSCAPE NOTES

- All plants shall be north Midwest American region grown, No. 1 grade plant materials, and shall be true to name, free from physical damage and wind burn.
- Plants shall be full, well-branched, and in healthy vigorous growing condition.
- Plants shall be watered before and after planting is complete.
- All trees must be staked, fertilized and mulched and shall be guaranteed to exhibit a normal growth cycle for at least two (2) full years following Township approval.
- All material shall conform to the guidelines established in the most recent edition of the American Standard for Nursery Stock.
- Provide clean backfill soil, using material stockpiled on site. Soil shall be screened and free of any debris, foreign material, and stone.
- "Agriform" tabs or similar slow-release fertilizer shall be added to the planting pits before being backfilled.
- Amended planting mix shall consist of 1/3 screened topsoil, 1/3 sand and 1/3 peat, mixed well and spread to the depth as indicated in planting details.
- All plantings shall be mulched per planting details located on this sheet.
- The Landscape Contractor shall be responsible for all work shown on the landscape drawings and specifications.
- No substitutions or changes of location, or plant types shall be made without the approval of the Landscape Architect.
- The Landscape Architect shall be notified in writing of any discrepancies between the plans and field conditions prior to installation.
- The Landscape Contractor shall be responsible for maintaining all plant material in a vertical condition throughout the guaranteed period.
- The Landscape Architect shall have the right, at any stage of the installation, to reject any work or material that does not meet the requirements of the plans and specifications, if requested by owner.
- Contractor shall be responsible for checking plant quantities to ensure quantities on drawings and plant list are the same. In the event of a discrepancy, the quantities on the plans shall prevail.
- The Landscape Contractor shall seed and mulch or sod (as indicated on plans) all areas disturbed during construction, throughout the contract limits.
- A pre-emergent weed control agent, "Preen" or equal, shall be applied uniformly on top of all mulching in all planting beds.
- All landscape areas shall be provided with an underground automatic sprinkler system.
- Sod shall be two year old "Baron/Cheridaphi" Kentucky Blue Grass grown in a sod nursery on loam soil.

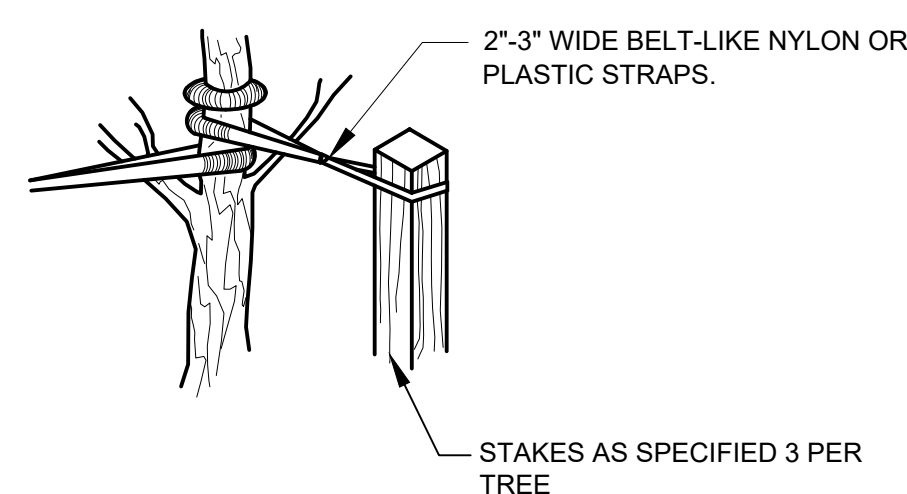
NOTE:
ORIENT STAKING/GUYING TO PREVAILING WINDS, EXCEPT ON SLOPES GREATER THAN 3:1 ORIENT TO SLOPE.
USE SAME STAKING/GUYING ORIENTATION FOR ALL PLANTS WITHIN EACH GROUPING OR AREA



STAKING/GUYING LOCATION



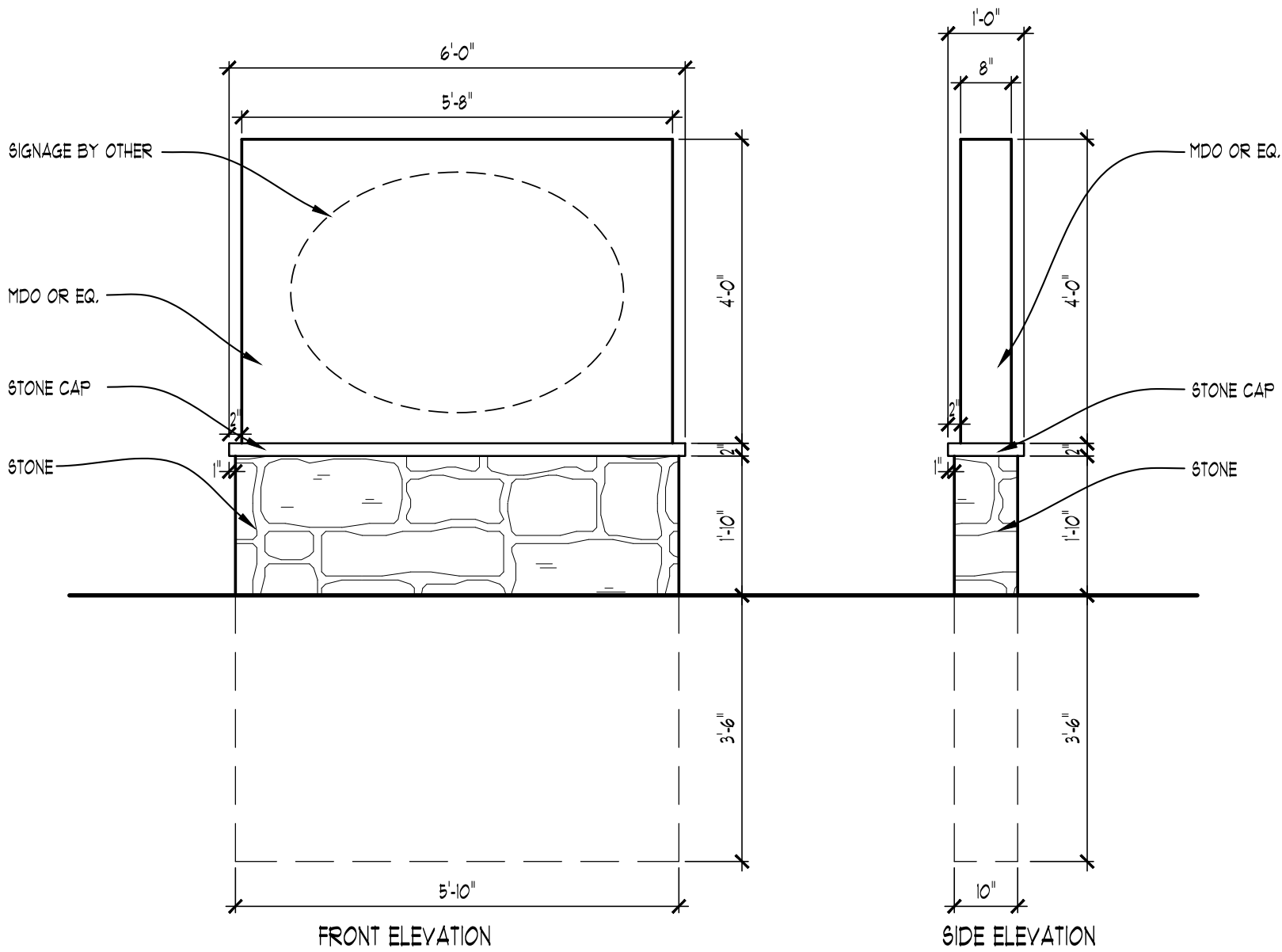
GUYING DETAIL



STAKING DETAIL


TREE STAKING DETAIL

Not to scale



SIGNAGE DETAIL

SCALE: 1/2" = 1'-0"

 <p>TK DESIGN & ASSOCIATES</p> <p>WWW.TKHOMEDSIGN.COM</p> <p>26030 PONTIAC TRAIL SOUTH LYON, MI 48178 PHONE: (248)-446-1960 FAX: (248)-446-1961</p> <p><small>COPYRIGHT 2014 TK DESIGN AND ASSOCIATES</small></p> <p><small>-DO NOT SCALE DRAWINGS. USE CALCULATED DIMENSIONS ONLY -CONTRACTOR TO FIELD VERIFY ALL DRAWING ASPECTS BEFORE CONSTRUCTION. DISCREPANCIES AND DESIGN CHANGES SHALL BE REPORTED TO THE DESIGNER IN WRITTEN FORM IMMEDIATELY -CALL MKS/DIC AT 688-482-7271 3 DAYS PRIOR TO ANY EXCAVATION -CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE PERMIT HOLDER</small></p>	
CLIENT / PROJECT	<p>THE CROSSING AT LAKELANDS TRAIL</p> <p>HAMBURG, MI</p>

THE CROSSING AT LAKELANDS TRAIL

PROPOSED APARTMENT DEVELOPMENT
8-12-2024





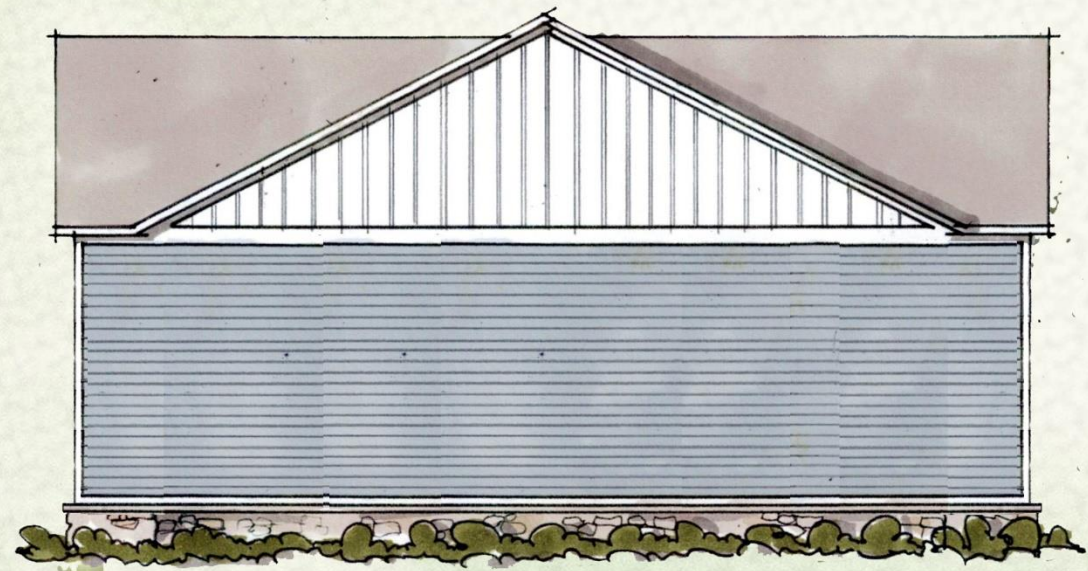
77' 8 UNIT BUILDING FLOOR PLAN



ELEVATION 1



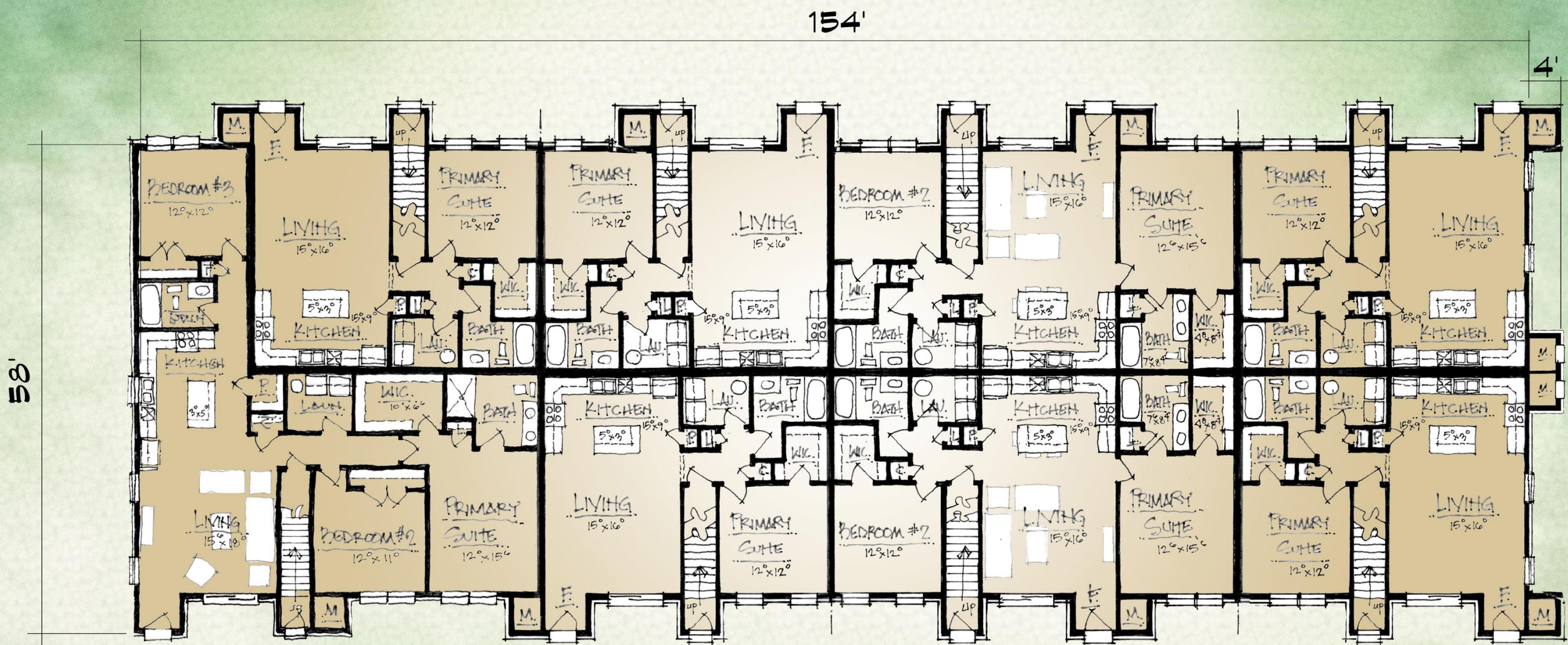
ELEVATION 2



LEFT ELEVATION



RIGHT ELEVATION



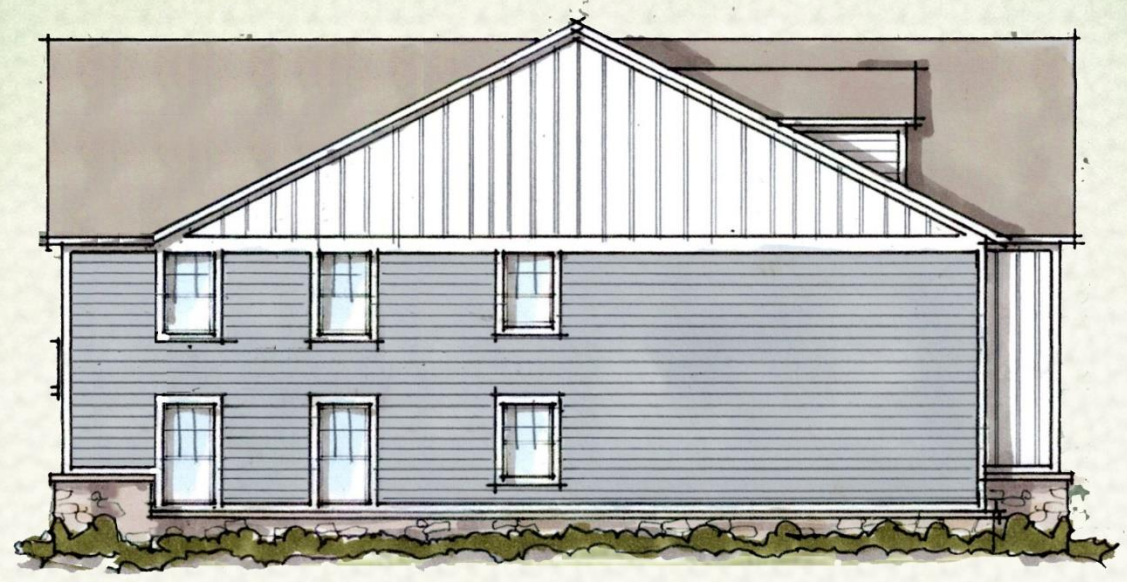
154' 16 UNIT BUILDING FLOOR PLAN



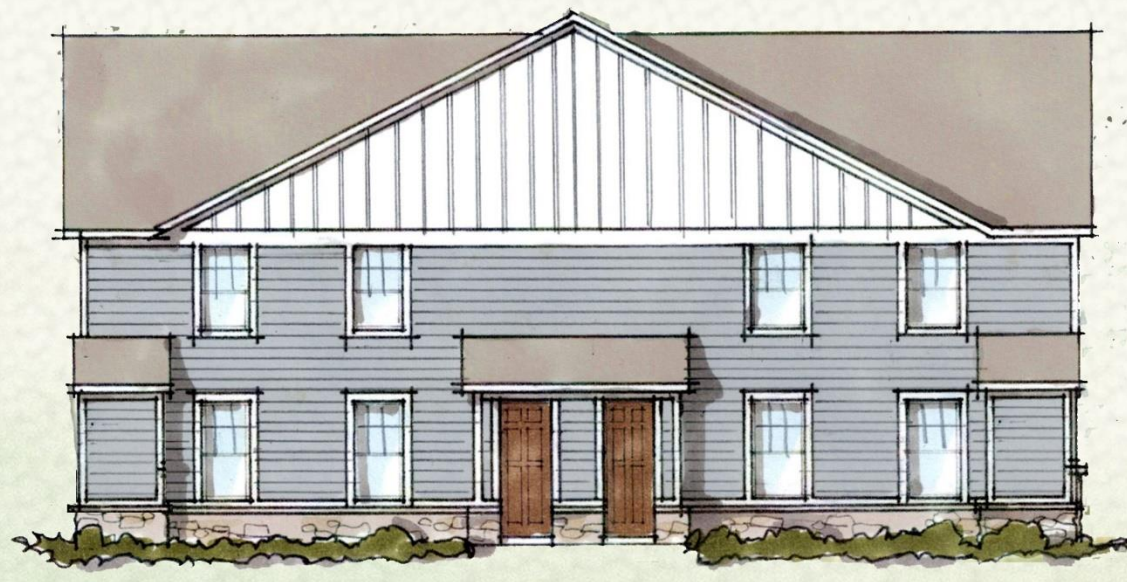
ELEVATION 1



ELEVATION 2



LEFT ELEVATION



RIGHT ELEVATION

167'

6'

12'

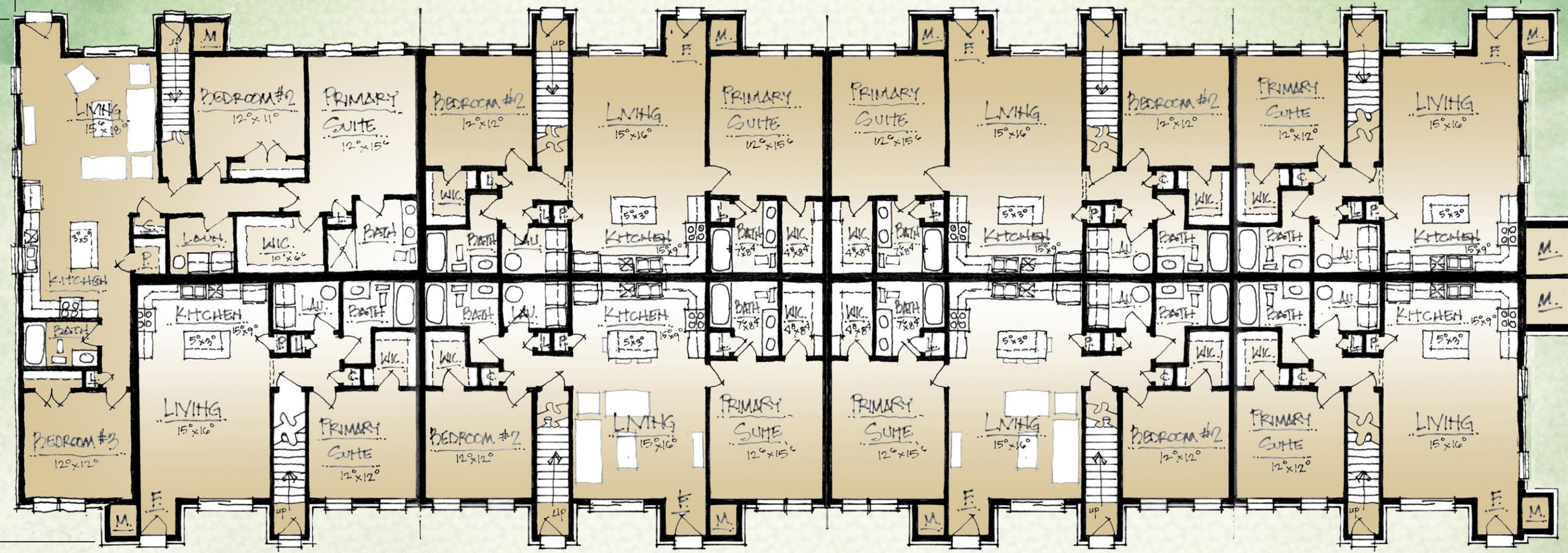
58'

3 BEDROOM UNIT PLAN
1450 sf.

2 BEDROOM UNIT PLAN
1125 sf.

2 BEDROOM UNIT PLAN
1125 sf.

1 BEDROOM UNIT PLAN
800 sf.



1 BEDROOM UNIT PLAN
800 sf.

2 BEDROOM UNIT PLAN
1125 sf.

2 BEDROOM UNIT PLAN
1125 sf.

1 BEDROOM UNIT PLAN
800 sf.

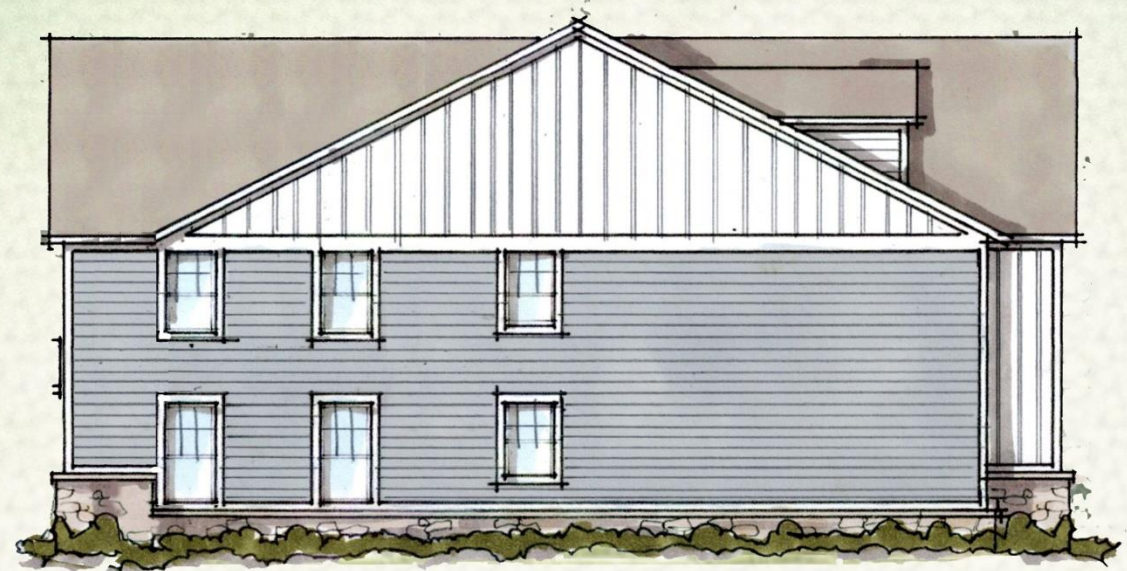
167' 16 UNIT BUILDING FLOOR PLAN



ELEVATION 1



ELEVATION 2



LEFT ELEVATION



RIGHT ELEVATION



Hamburg Township Public Safety – Fire Division

Item 11.

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

Subject: Site Plan Review – Lakeland Crossing

Date: September 5, 2024

I have completed the plan review of the Final Site Plan submittal for the Lakeland Crossing 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 buildings on property are to be suppressed by an NFPA 13/NFPA 13R approved suppression system. This requirement is in place due to the road widths being decreased from a 26ft minimum road width in a hydrated district, to a 20ft minimum road width requirement.
2. There shall be no street parking in the 20ft drive isle other than in designated parking spaces that are not within the 20ft drive isle. All streets shall be posted as no parking other than in designated parking areas.
3. Building plans to be submitted to the fire department for review.
4. Suppression and alarm plans shall be submitted to the Hamburg Township Fire Department for review and approval.
5. A 3200 Series Knox Box shall be placed on the Club House. Copies of master keys for the property shall be placed in Knox Box at the time of C of O Inspection.
6. Fire extinguishers shall be placed within the Club House in locations as defined in the International Fire Code. Extinguishers shall be on site during the time of construction.
7. Address labeling and posting for each building shall be placed on each tenant space and each nonresidential building in conjunction with the requirements set forth in the International Fire Code.
8. Any additional plans through this process, including as built plans, shall be submitted directly to the Hamburg Township Fire Department. A minimum of one hard copy and electronic copies will be required.
9. Any gate or means of blocking permanent access to Washington St. shall be submitted to the fire department for approval prior to installation. (proposed Knox box will suffice)



Hamburg Township Public Safety – Fire Division

Item 11.

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**

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



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, June 04, 2024 at 2:30 PM
Hamburg Township Hall Board Room

MINUTES

CALL TO ORDER

The meeting was called to order at 2:30 pm.

PLEDGE TO THE FLAG

ROLL CALL OF THE BOARD

PRESENT

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

ABSENT

- Mike Dolan

ALSO PRESENT

- Mary Kuzner

CONSENT AGENDA

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

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

1. 5-7-24 130 Township Board Work-Study Session Minutes
2. 5-21-24 700 Board of Trustees Regular Meeting Minutes
3. DPW Monthly Report - March-April 2024
4. Approved MUC Minutes - March 13, 2024
5. Parks and Recreation - Approved Minutes - May 2024

- 6. Township Coordinator - Monthly Report - May 2024
- 7. Senior Center - Monthly Report - May 2024
- 8. Bills List 06.04.2024

CALL TO THE PUBLIC

Sarah Bennett, 10582 Livingston St, is concerned about the apartment complex proposed at the old Hamburg Elementary property. Her concerns are the density it will bring, the traffic volume, the size of the proposed buildings, the landscaping, the location of the sanitary lift station, and the possibility of low income subsidies.

Brenda Vibbart, 10564 Hall Road, would like specifics of the utilities planned and has concerns with the lack of fencing to keep people and dogs on their own property, the increased traffic problems the proposed apartments will bring and how MDOT will manage it.

Makenzie Johnson, 10603 Livingston St, has many of the same concerns mentioned by others and wants to be sure all zoning ordinances are followed by the developer, including the 20 foot buffer zone and open space requirements.

Erin Gottbreht, 7930 Forest Creek Court, is concerned with the magnitude of a development of this size, the disregard for the township ordinances, the landscaping and open space ordinances. This will impact homeowners on Hamburg Lake due to the traffic increase and residents needing alternative driving routes.

Lisa Wack, 7860 Forest Creek Court, would like to know the cost of the proposed apartments compared to the benefits the township will see. Increased traffic on the Lakeland Trail will also bring the possibility of trash and problems.

APPROVAL OF THE AGENDA

Motion by Negri, Seconded by Hahn, to approve the agenda as presented, with items 9 & 13 to be tabled.

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

UNFINISHED BUSINESS

- 9. Employee Evaluation Review form changes
Tabled.

- 10. Utilities & Special Projects Coordinator job description update
Motion by Hohl, Seconded by Michniewicz, to approve the changes to the job description, noting that we need to add the pay grade level to the job description header.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 11. Accounting & Benefits Coordinator job description update
Motion by Negri, Seconded by Hahn, to approve the changed job description of the Accounting & Benefits Coordinator, as presented in the packet.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 12. ARPA Update - May 22, 2024
Motion by Hohl, Seconded by Hughes, to receive and file the ARPA summary and to request the Clerk to schedule an update on the next board meeting for formal discussion.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

CURRENT BUSINESS

- 13. Deputy Clerk & Elections Coordinator Recognition
Tabled.

- 14. Updated Public Safety SOP
Motion by Hughes, Seconded by Negri, to approve the change to the Public Safety SOP 300-16, as updated in the packet.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 15. Preliminary Site Plan Review (GPUD24-0001) - The Crossing at Lakelands Trail
Motion by Negri, Seconded by Michniewicz, to approve the preliminary site plan application for GPUD24-0001, for the proposed project proposing a 208 unit apartment complex with a clubhouse with conditions 1-6 inclusive. The project does meet the site plan review standards A-L of section 36-73,7 of the zoning ordinance as discussed at the May 15, 2024 Planning Commission Meeting and as discussed here today and as presented in the staff report.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

Motion by Negri, Seconded by Michniewicz, to amend the original motion with the amendment to urge the Planning Commission to expand the buffer zone required.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 16. Treasury Department Personnel
Motion by Negri, Seconded by Hahn to approve the promotion of Susan Deadman, Senior Treasurer's Assistant, pay grade 4 to Assistant Deputy Treasurer, grade 5, step 8, effective July 1, 2024.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Hughes, Negri

Motion by Negri, Seconded by Hughes to approve the monetary recognition for the over-the-top work that Susan did during the transition for Deputy Treasurers in the amount of \$1400.00 for Susan Deadman, to be processed on payroll June 10, 2024.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Hughes, Negri

- 17. Community Drive SAD - Road Maintenance Bid Results
Motion by Hohl, Seconded by Negri, to award the 2 year contract to Bob Meyers Excavating and Big Barney's beginning on Jun 22, 2024 - June 21, 2026 for the maintenance of Community Drive. This bid was sent out to 14 contractors.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 18. Purchase Policy Update
Motion by Hughes, Seconded by Negri, to update the Hamburg Township purchase policy as presented in the packet.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 19. PTA waiver of penalties resolution
Motion by Negri, Seconded by Hughes, to adopt Resolution #240601, PTA Waiver of fines for not filing a Property Transfer Affidavit within 45 days of property transfer.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 20. Township Complex Survey
Motion by Hohl, Seconded by Hughes, to approve the endorsement of the agreement with Alpine Survey, and pay the \$5000.00 deposit and get the Hamburg Township property surveys done & recorded.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 21. Grinder Pump Station Purchase Request
Motion by Hohl, Seconded by Michniewicz, to authorize the purchase of the 55 simplex and 1 duplex pump. The cost is \$317,100.00.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 22. Township Board 2024-2025 Fiscal Year Meeting Dates
Motion by Negri, Seconded by Menzies, to adopt, file and publish the Regular Board Meeting schedule dates for the 24/25 fiscal year, as proposed in the packet.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

- 23. DPW Technician - On call
Motion by Hohl, Seconded by Hahn, to approve the hiring of a part-time, on-call DPW Tech as outlined in Tony Randazzo's memo dated May 30, 2024, contingent upon all pre-employment prerequisites.
Voting Yea: Hohl, Hahn, Menzies, Michniewicz, Negri, Hughes

CALL TO THE PUBLIC

Bob Langan, 128 North Center St, Northville, partner at Elevate Property Partners, thanked the Board and Planning Committee for their work on the townhome and apartment complex. He said Elevate Property Partners is a market driven company with no intention of ever having any subsidies or government grants for this or any developments. They intend to increase the buffers for the community.

BOARD COMMENTS

Updated sound system for the boardroom is targeted to be done by Labor Day.

May 4, 2024

ADJOURNMENT

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

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

The meeting was adjourned at 3:47 pm.

Respectfully submitted,



Jennifer Daniels
Recording Secretary



Mike Dolan
Township Clerk



September 9, 2024

Mr. David Rohr, Planning and Zoning Director
Hamburg Township
10405 Merrill Road
P.O. Box 157
Hamburg, Michigan 48139

Re: The Crossings at Lakes Trail
Final Site Plan Review

Dear David:

We have reviewed the plans for the referenced site plan dated August 19, 2024, as prepared by Seiber Keast Lehner. We offer the following comments for your consideration:

1. No phasing is currently shown on the site plan. If the applicant plans to phase the project, phases should be clearly shown on the drawings with consideration of the proposed pump station, stormwater management, and any water main looping if required by the Livingston County Water Authority (LCWA).
2. A gravity sanitary sewer collection system with a pump station is proposed. The applicant will be required to go through the Township's sewer use application when appropriate. Ideally, the capacity of the proposed pump station is coordinated with the development to the north.
3. The pool shall not drain to the sanitary sewer.
4. The proposed water main will be reviewed and approved by LCWA prior to submitting for an Act 399 permit. Likely a second water main feed into the development will be required.
5. Insufficient detail is provided to determine any impacts offsite from the grading. The applicant should show proposed contours.
6. The preliminary storm water management calculations are generally in conformance with the Livingston County Drain Commissioner standards with the following comments.

Mr. David Rohr, Planning and Zoning Director
September 9, 2024

IMEG #24002543.00
Page 2 of 2

Item 11.

- a. The time of concentration (TofC) shall be documented and justified.
- b. The applicant shall provide an analysis and consideration for infiltration.
- c. Conveyance calculations are required for the final site plan.
- d. Drainage areas for each catch basin should be delineated and the C Factor should be calculated for each.

7. An MDOT permit will be required for the entrance on M-36.

In summary, we offer no objection to the approval of the final site plan contingent upon these comments.

If you have any questions, please contact me at (734) 657-4925.

Ted Erickson
Digitally signed by Ted Erickson
DN: C=US,
E=t.ed.erickson@imegcorp.com,
O=IMEG Corp, CN=Ted Erickson
Date: 2024.09.09 11:53:29 -0400

Sincerely,

Ted L. Erickson
Principal

TLE/jdf

\\files\Active\Projects\2024\24002543.00\Design\Civil\Crossings at Lakeland Trail SPR_20240909.docx



MEMO

VIA EMAIL bobl@elevate-property.com

To: Elevate Land Holdings

From: Jacob Swanson, PE, PTOE
Paul Bonner, EIT
Fleis & VandenBrink

Date: September 5, 2024

Re: **The Crossing at Lakelands Trail**
Hamburg Township, Michigan
Traffic Impact Study

1 INTRODUCTION

This memorandum presents the results of the Traffic Impact Study (TIS) for the proposed residential development in Hamburg Township, Michigan. The project site is located south of M-36, adjacent to the existing Learning Lane, as shown on the attached **Figure 1**. The proposed development includes the construction of multi-family residential units on property that is currently vacant; however, the site was previously occupied by Hamburg Elementary School. Site access is proposed via the existing Learning Lane access location on M-36, which is under the jurisdiction of the Michigan Department of Transportation (MDOT). This TIS has been performed pursuant to MDOT requirements for the permitting of site access and the requirements of Hamburg Township for site plan approval.

The scope of work for this study was developed based on Fleis & VandenBrink's (F&V) knowledge of the study area, understanding of the development program, accepted traffic engineering practices, and information published by the Institute of Transportation Engineers (ITE). The study analyses were completed using Synchro/SimTraffic (Version 11) traffic analysis software. Sources of data for this study include F&V subconsultant Quality Counts, LLC (QC), Hamburg Township, MDOT, the Southeast Michigan Council of Governments (SEMCOG), and ITE.

2 BACKGROUND DATA

2.1 EXISTING ROAD NETWORK

The lane use and traffic control at the study intersections is shown on the attached **Figure 2** and the study roadways are further described below. For the purposes of this study, minor streets and driveways were assumed to have an operating speed of 25 miles per hour (mph), unless otherwise noted.

M-36 runs in the generally in the east / west directions, adjacent to the north side of the project site. The study section of M-36 is classified as a *Minor Arterial*, is under the jurisdiction of MDOT, and has an Annual Average Daily Traffic (AADT) volume of approximately 9,300 (SEMCOG 2022) vehicles per day (vpd). The posted speed limit changes at the Hall Road intersection, from 45-mph east of the intersection to 40-mph west of the intersection. The study section of roadway provides a typical two-lane cross-section, with one (1) lane of travel in each direction. Additionally, the roadway turns north/south for a short section, north of Hamburg Road, and widens to provide a typical three-lane cross-section, with one (1) lane of travel in each direction and a center two-way left-turn lane (TWLTL). An exclusive westbound right-turn lane is also provided on the M-36 approach at the Hamburg Road intersection.

27725 Stansbury Boulevard, Suite 195
Farmington Hills, MI 48334

P: 248.536

F: 248.536

www.fveng.com

152

Hamburg Road generally runs in the north / south directions, southwest of M-36, approximately 600-feet west of the project site. Hamburg Road is classified as a *Major Collector*, is under the jurisdiction of LCRC, has a posted speed limit of 25-mph, and has an AADT volume of approximately 3,500 vpd (SEMCOG 2022). The study section of roadway provides a typical two-lane cross-section, with one (1) lane of travel in each direction.

Hall Road runs in the north / south directions, approximately 700-feet east of the project site. The study section of roadway is classified as a *Local Road*, is under the jurisdiction of LCRC, has an assumed prima facie speed limit of 55-mph, and has an AADT volume of approximately 592 vpd (MDOT 2023). Hall Road provides a typical two-lane cross-section, with one (1) lane of travel in each direction.

2.2 EXISTING TRAFFIC VOLUMES

F&V subconsultant QC collected existing Turning Movement Count (TMC) data on Thursday, July 18, 2024, during the AM (7:00 AM to 9:00 AM) peak period and Wednesday, July 17, 2024, during the PM (4:00 PM to 6:00 PM) peak period, at the following study intersections:

- M-36 & Hamburg Road
- M-36 & Hall Road
- M-36 & Learning Lane

During collection of the turning movement counts, Peak Hour Factors (PHFs), pedestrian and bicycle volumes, and commercial truck percentages were recorded and used in the traffic analysis. The peak hour of each of the study intersections was utilized and the through volumes were balanced upwards through the roadway network. Therefore, the traffic volumes utilized in the analysis and shown on the attached traffic volume figures may not match the raw traffic volumes shown in the attached data collection.

The weekday AM and PM peak hours for the adjacent study roadway network were observed to generally occur between 7:15 AM to 8:15 AM and 4:00 PM to 5:00 PM, respectively. F&V collected an inventory of the existing lane use and traffic control, as shown on the attached **Figure 2**. The existing 2024 peak hour traffic volumes used in the analysis are shown on the attached **Figure 3**. All applicable background data is attached.

3 EXISTING CONDITIONS (2024)

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 the methodologies presented in the *Highway Capacity Manual, 6th Edition* (HCM6).

Note: The study intersection of M-36 & Hamburg Road currently contains unique two-way stop-control, with stop signs on adjacent approaches (eastbound and southbound). None of the HCM methodologies support this unique geometry; therefore, SimTraffic Delay Reports were utilized to evaluate this study intersection.

Descriptions of LOS “A” through “F”, as defined in the HCM6, are attached. Typically, LOS D is considered acceptable, with LOS A representing minimal delay, and LOS F indicating failing conditions. Additionally, SimTraffic network simulations were reviewed to evaluate network operations and vehicle queues. The results of the existing conditions analysis are attached and summarized in **Table 1**.

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 AM and PM peak hours, with the exception of the following:

M-36 & Hamburg Road

- During the PM peak hour: The eastbound approach is currently operating at LOS E.

Review of SimTraffic network simulations indicates occasional periods of vehicle queues; however, these queues were observed to dissipate and were not present throughout the entire peak period. The reported 95th percentile vehicle queue lengths were observed to not exceed 180-feet (7-8 vehicles). Additionally, it should be noted that MDOT has programmed improvements for this study intersection (all-way stop-control); therefore, mitigation measures are not recommended at this time.

Review of SimTraffic network simulations for the remaining study roadway network indicates acceptable operations during both peak periods. Vehicles were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

Table 1: Existing Intersection Operations

	Intersection	Control	Approach	Existing Conditions			
				AM Peak		PM Peak	
				Delay (s/veh)	LOS	Delay (s/veh)	LOS
1	M-36 & Hamburg Road	Stop (EB & SB)	EB	9.3	A	40.1	E
			WBT	Free			
			WBR	Free			
			SBL	10.7	B	15.1	C
			SBT	3.4	A	4.9	A
2	M-36 & Learning Lane / Church Drive	Stop (Minor)	EBL	0.0*	A	9.3	A
			WBL	0.0*	A	0.0*	A
			NB	0.0*	A	0.0*	A
			SB	0.0*	A	17.2	C
3	M-36 & Hall Road	Stop (Minor)	EB	Free			
			WBL	9.1	A	8.2	A
			NB	16.3	C	21.0	C

* Indicates no vehicle volume present.

4 BACKGROUND CONDITIONS (2028)

4.1 BACKGROUND GROWTH

Historical population and economic 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 2028. Population and employment projections from 2020 to 2050 were reviewed and showed average annual growth rates of approximately 0.35% and 0.40%, respectively. Therefore, a conservative annual background growth rate of **0.50%** per year was applied to the existing 2024 peak hour traffic volumes, in order to forecast the background 2028 peak hour traffic volumes without the proposed development.

In addition to background growth, it is important to account for traffic that will be generated by approved developments within the vicinity of the study roadway network, that have yet to be constructed or are currently under construction. At the time of this study, the following development plan was identified by MDOT and was included as background traffic:

- M-36 & Hamburg Road – Mixed Use Development

The projected trips generated by this development were applied to the study roadway network, based on the TIS completed for the project site. Therefore, these trips were added to the existing traffic volumes, after applying the **0.50%** annual growth rate, in order to calculate the background 2028 peak hour traffic volumes **without the proposed development**, as shown on the attached **Figure 4**.

Additionally, the background development has proposed a fourth leg to the existing study intersection of M-36 & Hamburg Road. Therefore, as part of the background development, MDOT has programmed improvements to update the existing traffic control for the intersection to all-way stop-control; these improvements were assumed as a baseline condition for the study roadway network for both the background and the future conditions analyses. Furthermore, the revised intersection geometry and traffic control has removed the unique stop-control condition; therefore, the HCM6 evaluation methodologies were utilized for this study intersection under the background and future condition analyses.

4.2 BACKGROUND INTERSECTION OPERATIONS

Background peak hour vehicle delays and LOS **without the proposed development** were calculated at the study intersections based on the background lane use and traffic control shown on the attached **Figure 2**, the background peak hour traffic volumes shown on the attached **Figure 4**, and the methodologies presented in the HCM6. The results of the background conditions analysis are attached and summarized in **Table 2**.

Table 2: Background Intersection Operations

Intersection	Control	Approach	Existing Conditions				Background Conditions				Difference			
			AM Peak		PM Peak		AM Peak		PM Peak		AM 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 & Hamburg Road / Driveway	Existing Stop (EB & SB)	EB	9.3	A	40.1	E	12.9	B	14.3	B	3.6	A→B	-25.8	E→B
		WBTL	Free				10.8	B	10.5	B	N/A			
		WBR	Free				16.5	C	108.9	F	N/A			
	Background Stop (All-Way)	NB	N/A				10.6	B	11.9	B	N/A			
		SBL	10.7	B	15.1	C	52.6	F	28.0	D	41.9	B→F	12.9	C→D
		SBTR	3.4	A	4.9	A	8.9	A	10.8	B	5.5	-	5.9	A→B
		Overall	N/A				32.5	D	64.8	F	N/A			
2 M-36 & Learning Lane / Church Drive	Stop (Minor)	EBL	0.0*	A	9.3	A	0.0*	A	9.4	A	0.0*	-	0.1	-
		WBL	0.0*	A	0.0*	A	0.0*	A	0.0*	A	0.0*	-	0.0*	-
		NB	0.0*	A	0.0*	A	0.0*	A	0.0*	A	0.0*	-	0.0*	-
		SB	0.0*	A	17.2	C	0.0*	A	18.0	C	0.0*	-	0.8	-
3 M-36 & Hall Road	Stop (Minor)	EB	Free				Free				Free			
		WBL	9.1	A	8.2	A	9.2	A	8.3	A	0.1	-	0.1	-
		NB	16.3	C	21.0	C	17.2	C	22.5	C	0.9	-	1.5	-

* Indicates no vehicle volume present. NOTE: Decreased delays and improved LOS are the result of the baseline background improvements.

The results of the background conditions analysis indicates 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, with the exception of the following:

M-36 & Hamburg Road

- During the AM peak hour: The southbound left-turn lane is expected to operate at LOS F.
- During the PM peak hour: The westbound right-turn is expected to operate at LOS F.

Review of SimTraffic network simulations indicates occasional periods of vehicle queues; however, these queues were observed to dissipate and were not present throughout the entire peak period.

Review of SimTraffic network simulations indicates acceptable operations throughout the remaining study roadway network, similar operations to the existing conditions observations.

5 SITE TRIP GENERATION

The number of weekday peak hour (AM and PM) and daily vehicle trips that would be generated by the proposed development were calculated using the information published by ITE in the *Trip Generation Manual, 11th Edition*. The proposed development includes the construction of multi-family residential units, with access provided via the existing Learning Lane access location on M-36. The stie trip generation forecast utilized for this study is summarized in **Table 3**.

Table 3: Site Trip Generation Summary

Land Use	ITE Code	Amount	Units	Average Daily Traffic (vpd)	AM Peak Hour (vph)			PM Peak Hour (vph)		
					In	Out	Total	In	Out	Total
Multi-Family Housing (Low-Rise)	220	208	DU	1,409	21	66	87	69	41	110

6 SITE TRIP DISTRIBUTION

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 and driveway configurations, the existing peak hour traffic patterns in the adjacent roadway network, and the methodologies published by ITE. The ITE trip distribution methodology assumes that new trips will enter the network and access the development, then leave the development and return to their direction of origin. The site trip distributions utilized in the analysis are summarized in **Table 4**.

Table 4: Site Trip Distribution

To/From	Via	AM	PM
Northwest	M-36	33%	30%
South	Hall Road	2%	4%
East	M-36	58%	56%
Southwest	Hamburg Road	7%	10%
Total		100%	100%

The site-generated 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 the attached **Figure 5** 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 (2028)

Future peak hour vehicle delays and LOS **with the addition of the proposed development**, were calculated based on the background and proposed lane use and traffic controls shown on the attached **Figure 2**, 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 attached and summarized in **Table 5**.

Table 5: Future Intersection Operations

Intersection	Control	Approach	Background Conditions				Future Conditions				Difference			
			AM Peak		PM Peak		AM Peak		PM Peak		AM 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 & Hamburg Road / Driveway	Stop (All-way)	EB	12.9	B	14.3	B	13.2	B	14.9	B	0.3	-	0.6	-
		WBT	10.8	B	10.5	B	11.0	B	10.8	B	0.2	-	0.3	-
		WBR	16.5	C	108.9	F	18.4	C	127.1	F	1.9	-	18.2	-
		NB	10.6	B	11.9	B	10.8	B	12.1	B	0.2	-	0.2	-
		SBTL	52.6	F	28.0	D	59.7	F	32.8	D	7.1	-	4.8	-
		SBR	8.9	A	10.8	B	9.1	A	10.9	B	0.2	-	0.1	-
		Overall	32.5	D	64.8	F	36.0	E	74.5	F	3.5	D→E	9.7	-
2 M-36 & Learning Lane / Church Drive	Stop (Minor)	EBL	0.0*	A	9.4	A	0.0*	A	9.4	A	0.0*	-	0.0	-
		WBL	0.0*	A	0.0*	A	9.1	A	8.4	A	9.1	-	8.4	-
		NB	0.0*	A	0.0*	A	20.1	C	23.3	C	20.1	A→C	23.3	A→C
		SB	0.0*	A	18.0	C	0.0*	A	20.0	C	0.0*	-	2.0	-
3 M-36 & Hall Road	Stop (Minor)	EB	Free				Free				Free			
		WBL	9.2	A	8.3	A	9.4	A	8.4	A	0.2	-	0.1	-
		NB	17.2	C	22.5	C	18.4	C	26.0	D	1.2	-	3.5	C→D

* Indicates no vehicle volume present.

The results of the future conditions analysis indicates that all approaches and movements at the study intersections are expected to continue operating in a manner similar to the background conditions analysis, with minimal increases in delay. Additionally, the proposed site driveway (Learning Lane) intersection is expected to operate acceptably, at LOS D or better, during both peak periods.

Review of SimTraffic network simulations throughout the study roadway network indicates similar observations to those made during the existing and background conditions analyses. Occasional periods of vehicle queues were observed at the programmed all-way stop-control study intersection of M-36 & Hamburg Road; however, these queues were observed to dissipate and were not present throughout the peak periods. Additionally, vehicles were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

8 ACCESS MANAGEMENT

8.1 DRIVEWAY SPACING

The MDOT Geometric Design Guidance, Section 1.2.2, was utilized to evaluate the proposed site driveway location, in relation to the nearby driveways and access points along M-36. The MDOT desirable unsignalized access spacing criteria were evaluated for the 40-mph section of roadway. The distance of the proposed site driveways from nearby access points and the warranting criteria are summarized in **Table 6** and displayed in **Exhibit 1**.

Table 6: Driveway Spacing Summary

Adjacent Driveways & Intersections		Spacing	Criteria (40-mph)	Meets
Learning Lane	To Water Treatment Drive	50 feet	300 feet	No
Learning Lane	to CEI Drive	370 feet	300 feet	Yes

The results of the driveway spacing analysis indicates that the proposed site driveway (Learning Lane) is not expected to meet desirable MDOT spacing criteria. Additional and/or alternative site access to the west, via Washington Road, was reviewed; however, it was determined that only emergency access would be feasible at the location on Washington Road.

Furthermore, potential ingress left-turn conflict with the existing Church Driveway was evaluated. The results indicate that the potential for interlocking left-turns occurring between the proposed site driveway (Learning Lane) and the Church is negligible, based on the minimal volume (3 vehicles or less) of ingress left-turn traffic associated with the church activities.

Exhibit 1: Driveway & Intersection Spacing



8.2 AUXILIARY TURN LANE EVALUATION

The MDOT auxiliary turn lane warranting criteria were evaluated at the proposed site driveway (Learning Lane) on M-36. This analysis was based on the future peak hour traffic volumes shown on the attached **Figure 6**. The results of the analysis are shown on the attached MDOT warranting charts and summarized in **Table 7**.

Table 7: Auxiliary Turn Lane Analysis Summary

Intersection	Treatment	AM Peak Hour	PM Peak Hour	Recommendation
M-36 & Learning Lane / Church Drive	Right-Turn	No Treatment	No Treatment	No Treatment
	Left-Turn	No Treatment	Left-Turn Lane	Left-Turn Lane

The results of the auxiliary turn lane evaluation indicates that a westbound left-turn lane is warranted on M-36 at the proposed site driveway (Learning Lane).

8.3 FUTURE CONDITIONS WITH IMPROVEMENTS ANALYSIS

The results of the future improvements analysis, with the implementation of the recommended auxiliary westbound left-turn lane at Learning Lane, are attached and summarized in **Table 8**.

Table 8: Future Intersection Operations

Intersection	Control	Approach	Future Conditions				Future IMP				Difference			
			AM Peak		PM Peak		AM Peak		PM Peak		AM 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
M-36 & Learning Lane / Church Drive	Stop (Minor)	EBL	0.0*	A	9.4	A	0.0*	A	9.4	A	0.0*	-	0.0	-
		WBL	0.0*	A	0.0*	A	9.1	A	8.4	A	0.0	-	0.0	-
		NB	20.1	C	23.3	C	20.1	C	22.9	C	0.0	-	-0.4	-
		SB	0.0*	A	20.0	C	0.0*	A	19.8	C	0.0*	-	-0.2	-

* Indicates no vehicle volume present.

The results of the future conditions with improvements analysis indicates that, with the implementation of the recommended auxiliary left-turn lane, all approaches and movements at the study intersection of M-36 & Learning Lane / Church Drive are expected to continue to operate acceptably, at LOS D or better, during both the AM and PM peak hours.

Review of SimTraffic microsimulations also indicates acceptable operations during both peak periods, throughout the study roadway network.

9 CONCLUSIONS

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 the AM and PM peak hours, with the exception of the following:

M-36 & Hamburg Road: The EB approach is currently operating at LOS E during the PM peak hour. Review of SimTraffic network simulations indicates occasional periods of vehicle queues; however, these queues were observed to dissipate and were not present throughout the entire peak period.

- Review of SimTraffic network simulations for the remaining study roadway network indicates acceptable operations during both peak periods. Vehicles were observed to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queuing.

2. Background Conditions (2028)

- 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 2028.
- The following approved background developments were identified for construction within the vicinity of the project site and were included within the background traffic volumes:
 - *M-36 & Hamburg Road – Mixed Use Development*
 - As part of the background development, a fourth leg will be added to the study intersection of M-36 & Hamburg Road. Therefore, MDOT has programmed improvements to update the existing traffic control for the intersection to all-way stop-control.
- The results of the background conditions analysis indicates 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, with the exception of the following:
M-36 & Hamburg Road: The SB left-turn movement is expected to operate at LOS F during the AM peak hour. Additionally, the WB right-turn movement is expected to operate at LOS F during the PM peak hour.

3. Future Conditions (2028)

- The results of the future conditions analysis indicates that all approaches and movements at the study intersections are expected to continue to operate in a manner similar to the background conditions analysis, with minor increases in delay. Additionally, the proposed site driveway (Learning Lane) intersection is expected to operate acceptably, at LOS D or better, during both peak periods.
- Review of SimTraffic indicates similar observations to those made during the existing and background conditions analyses. Occasional periods of vehicle queues were observed at the programmed all-way stop-control study intersection of M-36 & Hamburg Road; however, these queues were observed to dissipate and were not present throughout the peak periods. Additionally, vehicles were observed to be able to find adequate gaps within the through traffic along M-36, without experiencing significant delays or excessive vehicle queueing.

4. Access Management

- The driveway spacing analysis indicates that the proposed site driveway (Learning Lane) is not expected to meet the desirable MDOT spacing criteria. However, the Learning Lane access is the only access for this development and there is not sufficient property frontage to locate the driveway in an alternative location along M-36.
- Additional and/or alternative site access to the west, via Washington Road, was reviewed; however, it was determined that only emergency access would be feasible at the location on Washington Road
- The results of the auxiliary turn lane treatment evaluation indicates that a westbound left-turn lane is warranted along M-36 at the proposed site driveway (Learning Lane).

5. Future Conditions with Improvements (2028)

- The results of the future conditions with improvements analysis indicates that, with the implementation of the recommended auxiliary westbound left-turn lane, all approaches and movements at the proposed site driveway (Learning Lane) are expected to continue to operate acceptably, at LOS D or better, during both peak periods.

Review of SimTraffic network simulations also indicates acceptable operations, throughout the remaining study roadway network, during both peak periods.

10 RECOMMENDATIONS

Recommendations of this TIS are as follows:

M-36 & Learning Lane / Church Drive

- Provide a westbound left-turn lane along M-36 at the proposed site driveway (Learning Lane).

Any questions related to this memorandum, study, analysis, and results should be addressed to Fleis & VandenBrink.



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.

Digitally signed
by Jacob Swanson
Date: 2024.09.05
15:09:23 -04'00'

- Attachments:** Figures 1 – 6
 Proposed Site Plan
 Traffic Volume Data
 SEMCOG Data
 Synchro / SimTraffic Results
 Auxiliary Lane Warrants

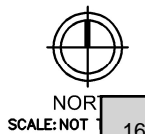


FIGURE 1 SITE LOCATION MAP

THE CROSSING TIS - HAMBURG TOWNSHIP, MI

LEGEND

 SITE LOCATION



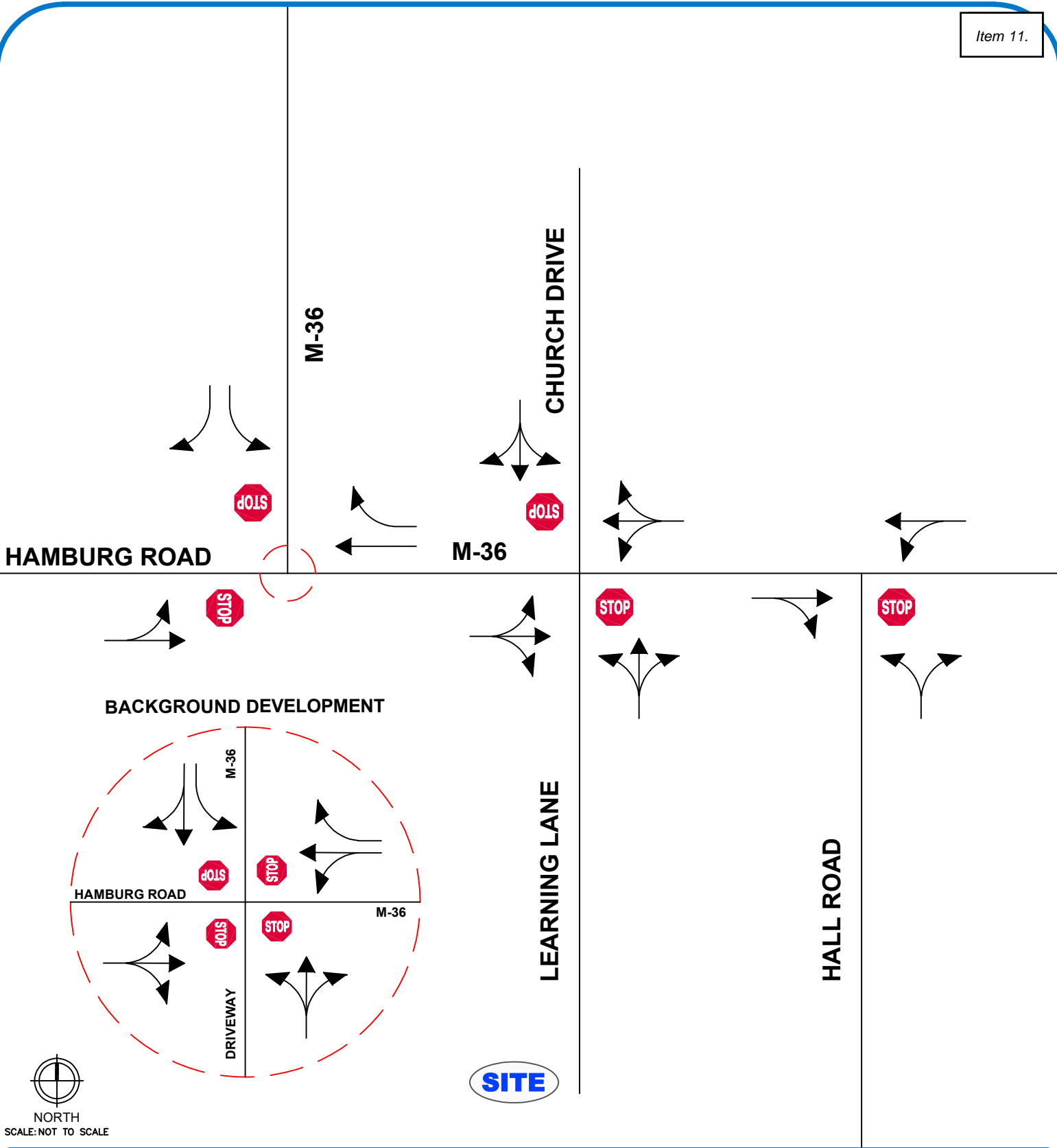


FIGURE 2

LANE USE AND TRAFFIC CONTROL

THE CROSSING TIS - HAMBURG TOWNSHIP, MI



LEGEND

- ROADS
- LANE USE
- UNSIGNALIZED INTERSECTION

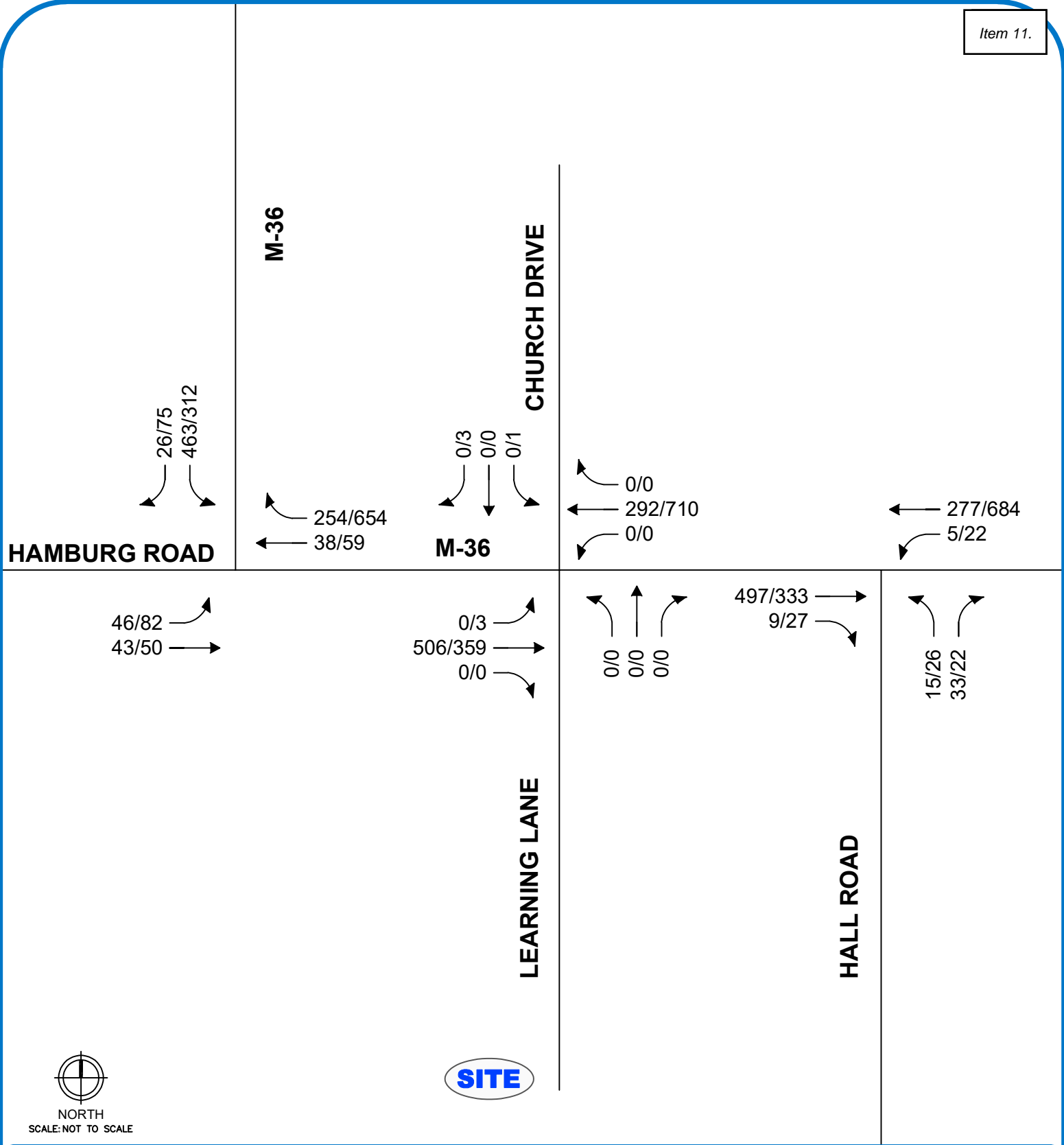


FIGURE 3
EXISTING (2024)
TRAFFIC VOLUMES

LEGEND

	ROADS
	PROPOSED ROADS
	TRAFFIC VOLUMES (AM/PM)



HAMBURG ROAD

27/77
13/10
472/318

M-36

259/667
39/60
8/18

CHURCH DRIVE

M-36

0/3
0/0
0/1

0/0
306/742
0/0

291/715
5/22

47/84
44/51
3/2

DRIVEWAY

3/3
12/14
21/6

0/3
537/372
0/0

LEARNING LANE

0/0
0/0
0/0

528/345
9/28

15/27
34/22

HALL ROAD



NORTH
SCALE: NOT TO SCALE



FIGURE 4
BACKGROUND (2028)
TRAFFIC VOLUMES

THE CROSSING TIS - HAMBURG TOWNSHIP, MI

LEGEND

- ROADS
- - - PROPOSED ROADS
- TRAFFIC VOLUMES (AM/PM)

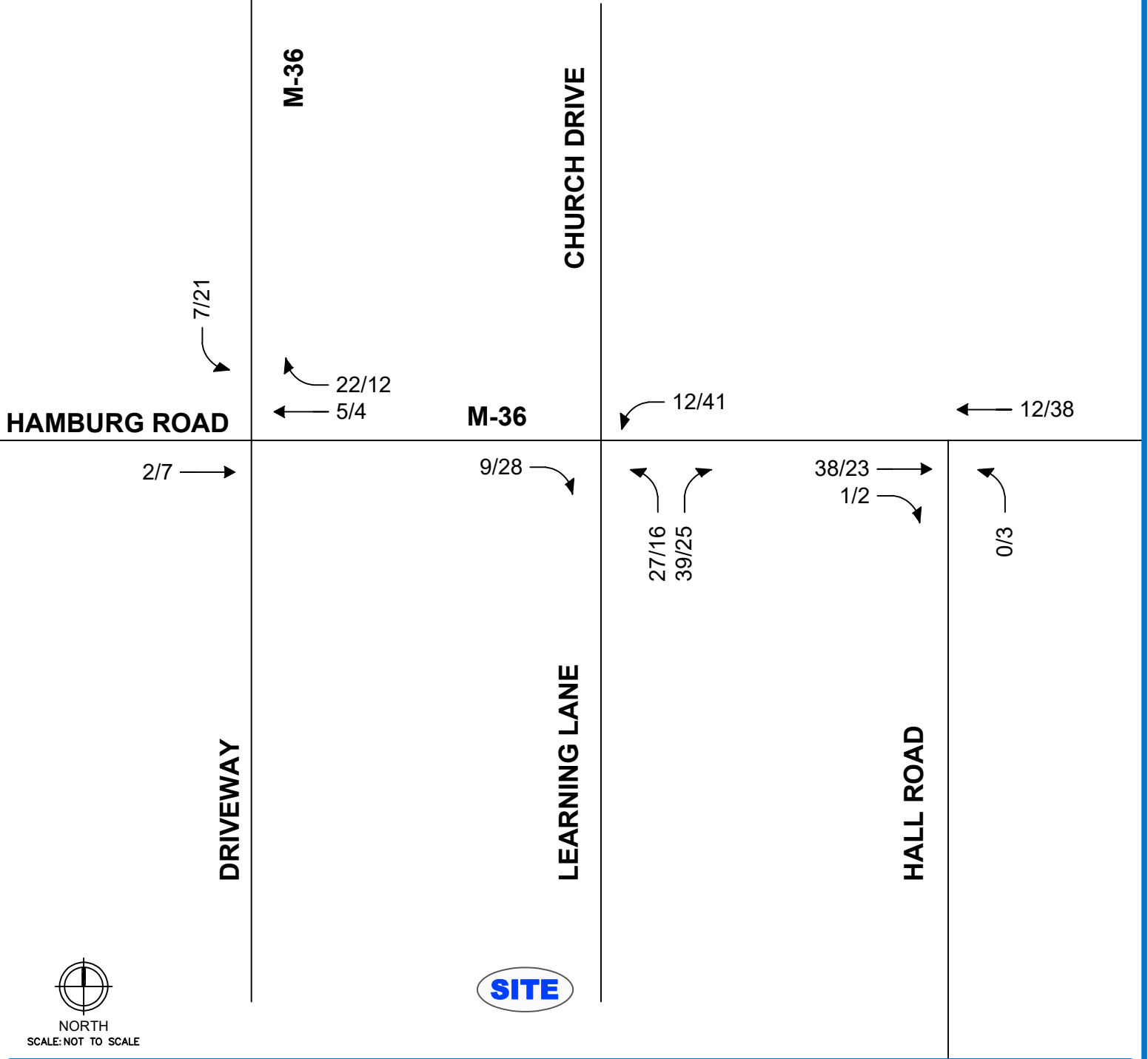
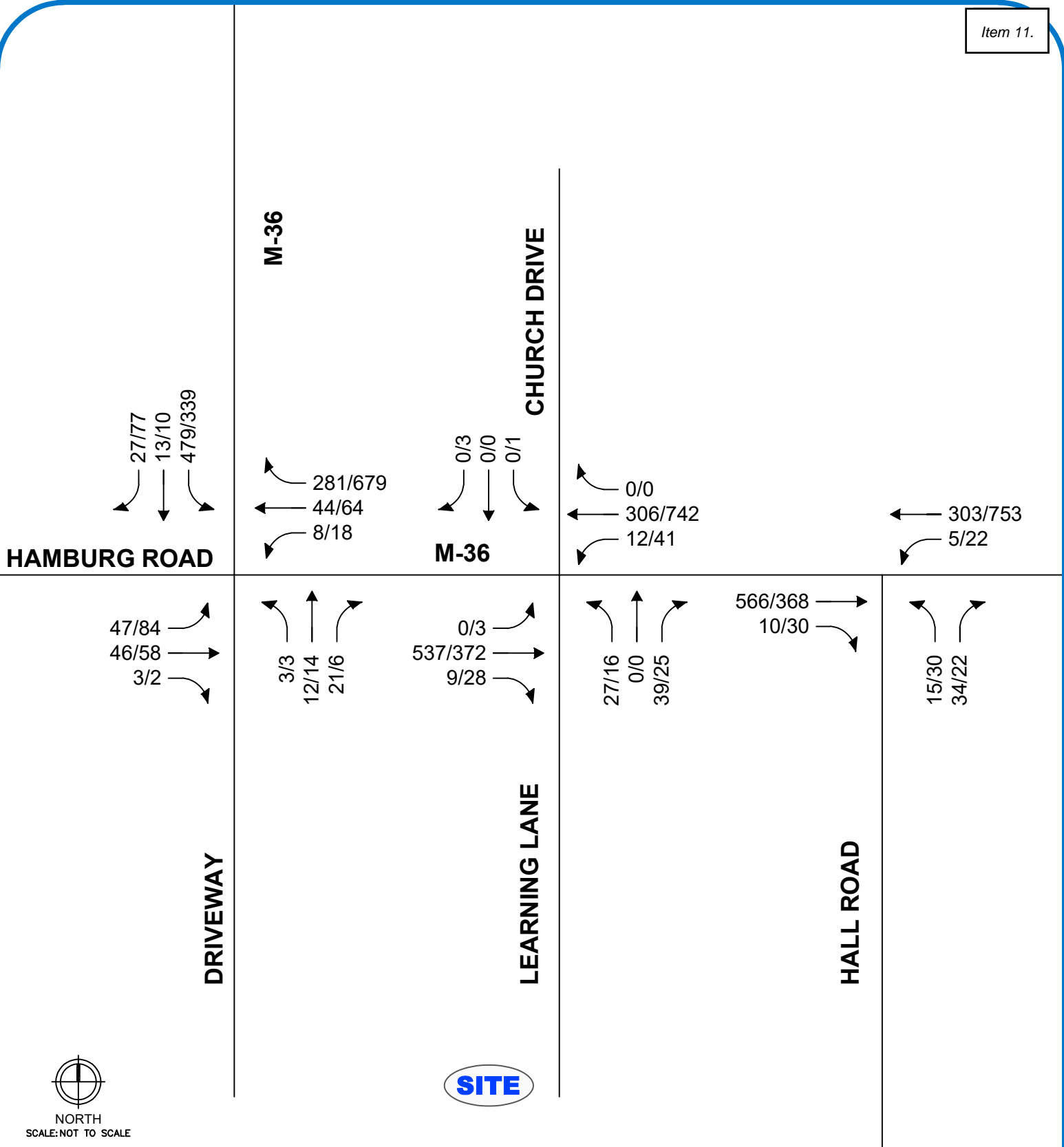


FIGURE 5 SITE-GENERATED TRAFFIC VOLUMES

THE CROSSING TIS - HAMBURG TOWNSHIP, MI

LEGEND

- ROADS
- PROPOSED ROADS
- TRAFFIC VOLUMES (AM/PM)



SITE

NORTH
SCALE: NOT TO SCALE



FIGURE 6 FUTURE (2028) TRAFFIC VOLUMES

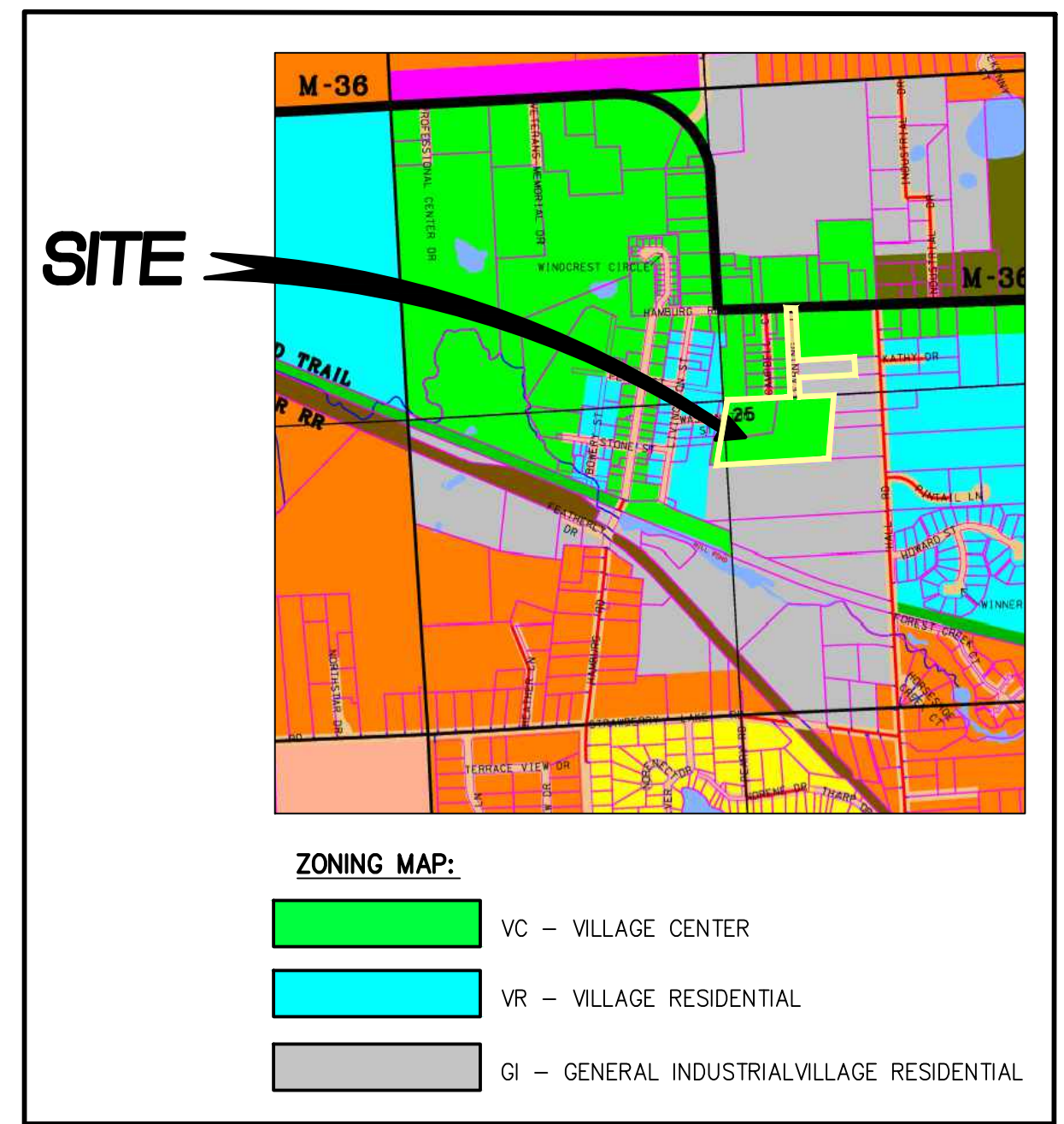
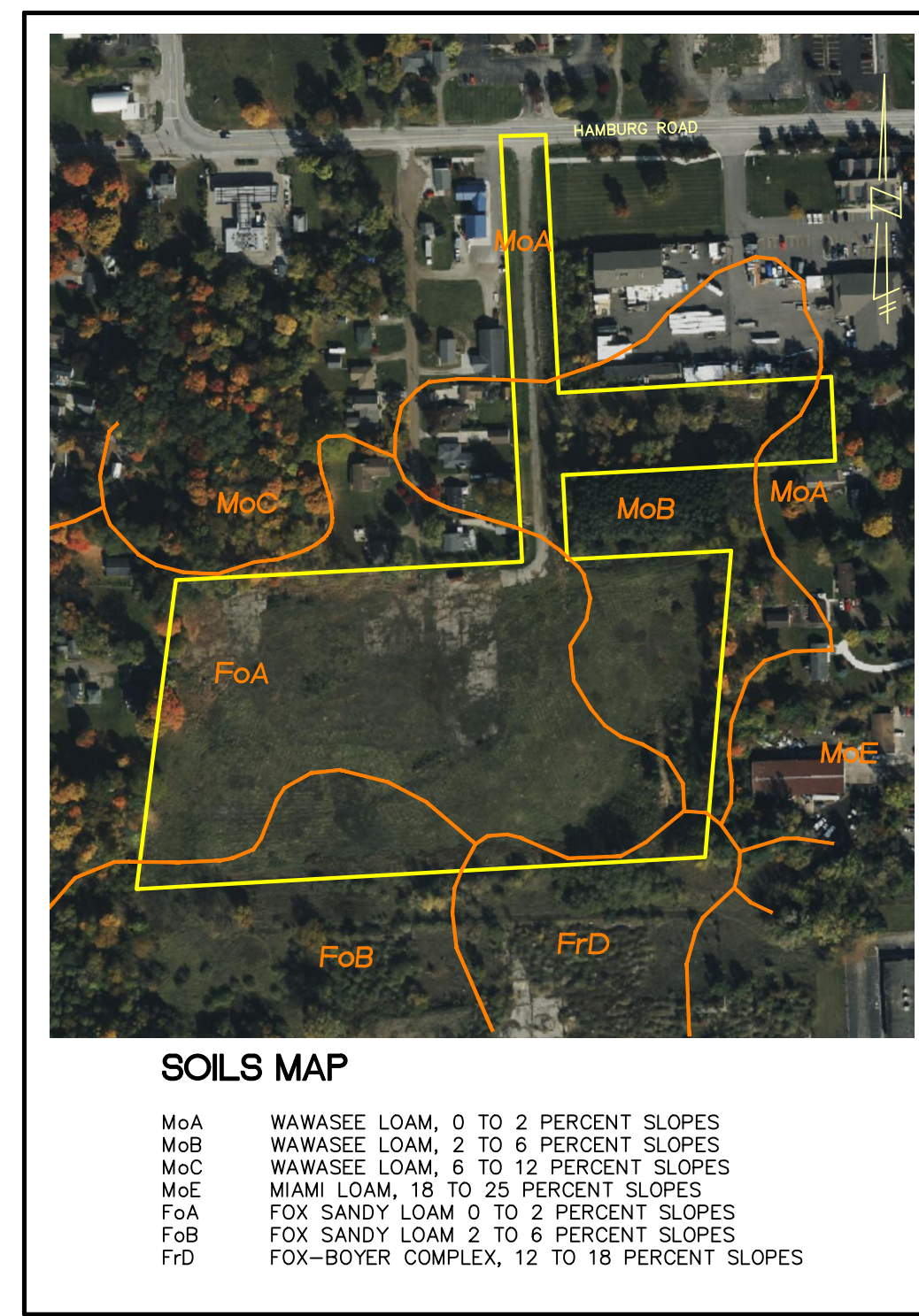
THE CROSSING TIS - HAMBURG TOWNSHIP, MI

- LEGEND**
- ROADS
 - - - PROPOSED ROADS
 - TRAFFIC VOLUMES (AM/PM)

PRELIMINARY SITE PLANS FOR:
THE CROSSING AT LAKELANDS TRAIL

PART OF E. 1/2 OF SECTION 25, TOWN 1 NORTH, RANGE 5 EAST
 HAMBURG TWP., LIVINGSTON COUNTY, MICHIGAN

PREPARED FOR:
 ELEVATE LAND HOLDINGS - THE CROSSING
 128 N. CENTER STREET
 NORTHVILLE, MICHIGAN 48167
 248.344.1885



SHEET INDEX

ENGINEERING PLANS:

- COVER SHEET
- PREVIOUSLY APPROVED OPEN SPACE PLAN
- OVERALL PLAN AND OPEN SPACE PLAN
- UTILITIES PLAN
- GRADING PLAN
- GRADING PLAN
- GRADING PLAN
- STORM WATER MANAGEMENT PLAN

LANDSCAPE PLANS:

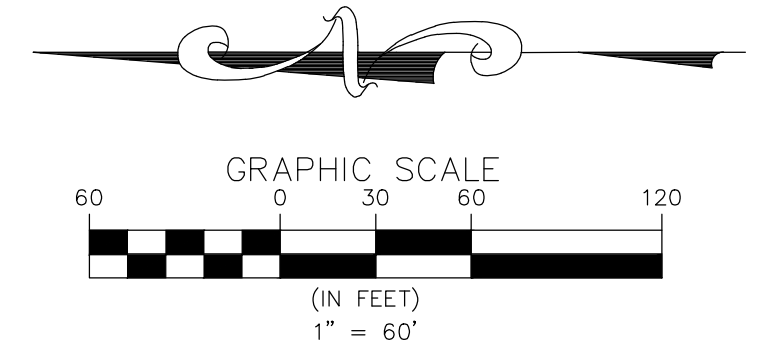
- LANDSCAPE PLAN
- LANDSCAPE PLAN
- LANDSCAPE PLAN
- LANDSCAPE DETAILS

ARCHITECTURAL PLANS PREPARED BY:	LANDSCAPE PLANS PROVIDED BY:	TOPOGRAPHIC SURVEY PREPARED BY:
TK DESIGN & ASSOCIATES	ALLEN DESIGN	M. E. G. A.
26030 PONTIAC TRAIL	557 CARPENTER	298 VETERANS DRIVE
SOUTH LYON, MICHIGAN, 48178	NORTHVILLE, MICHIGAN 48167	FOWLerville, MICHIGAN, 48836
PHONE: 248.446.1960	PHONE: 248.467.4668	PHONE: 517.223.3512

SKL SEIBER KEAST LEHNER
 ENGINEERING | SURVEYING

CLINTON TOWNSHIP OFFICE 17001 NINETEEN MILE ROAD, SUITE 3 CLINTON TOWNSHIP, MI 48038 586.412.7050	FARMINGTON HILLS OFFICE 39205 COUNTRY CLUB DRIVE, SUITE C8 FARMINGTON HILLS, MI 48331 248.308.3331
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REVISIONS			ENGINEER'S SEAL
NO.	ITEM	DATE	
1.	PRE-APP SUBMITTAL	4-22-24	
DATE: 1-5-2024 DESIGNED BY: A.A. CHECKED BY: C.S.			JOB NUMBER: 23-299 DRAWING FILE: 1-23289-CV.dwg



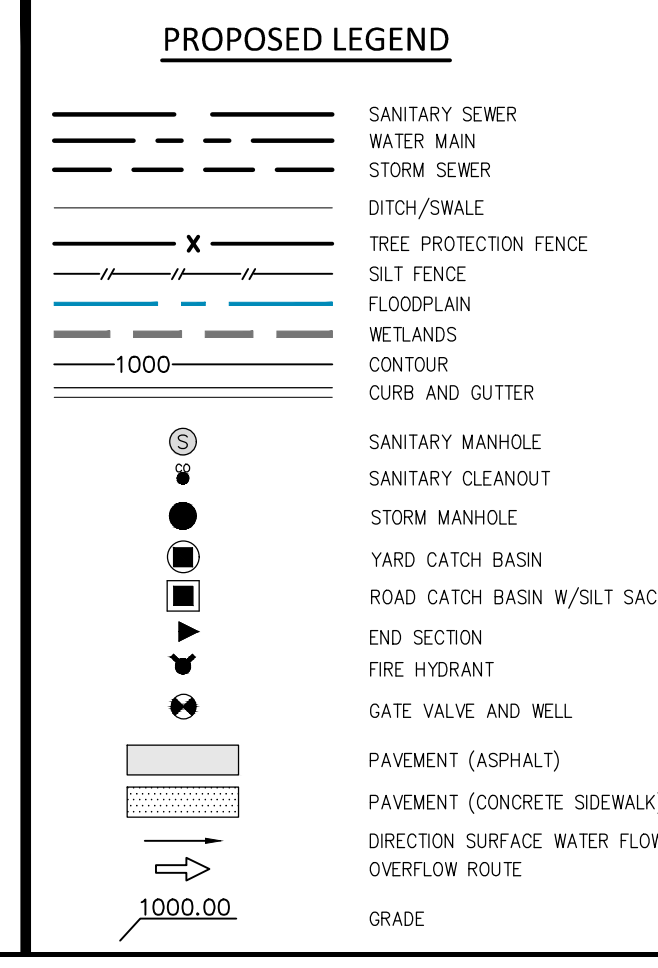
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 EXISTING ZONING: GENERAL PLANNED UNIT DEVELOPMENT (GPUD)
 SITE AREA = 15.478 ACRES
 MAX. DWELLING UNITS PER ACRE (VC): 10 DU/CCRE
 NO. OF BUILDING ON SITE: 16
 NO. OF UNITS PROPOSED: 208
 DWELLING UNITS PER ACRE: 13.44 DU/CCRE (AMEND TO PUD AGREEMENT)

BUILDING SETBACKS:	REQUIRED	PREVIOUSLY APPROVED	PROPOSED
FRONT (FROM PAVEMENT):	20'	15'	N/A
SIDE:	10'	15'	20' MIN.
REAR: TO PROPERTY LINE	25'	30'	20' MIN.
BUILDING TO BUILDING:	35'	N/A	N/A
BUILDING FRONT TO SIDE:	N/A	25'	N/A
BUILDING SIDE TO SIDE:	N/A	15'	N/A
MAXIMUM BUILDING HEIGHT:	35'	35'	35'
MAXIMUM BUILDING STORIES:	2.5 STORIES	2 STORIES	2 STORIES
MINIMUM FLOOR AREA:			
1 BEDROOM	550 S.F.	875 S.F.	600 S.F.
2 BEDROOMS	650 S.F.	1100 S.F.	898 S.F.
3 BEDROOMS		N/A	936 S.F.
BUILDING COVERAGE:	50% MAX.	16%	15.83%
IMPERVIOUS AREA CALCULATION:	N/A	32%	37.85%
OPEN SPACE REQUIRED: 1,500 S.F./ UNIT=1,500 x 208 312,000 S.F. (7.16 AC.)	44%	37%	42.56%
OPEN SPACE PROVIDED:		6.03 AC.	6.59 AC.

PARKING REQUIRED: (1.5 SPACE/UNIT)
 1.5 x 208 = 312 SPACES
 PARKING PROVIDED: 407 SPACES (INCLUDING 10 B.F. SPACES)
 (1.957 SPACES/UNIT)

	PREVIOUSLY APPROVED PLANS	CURRENT PLANS
SITE AREA	16.1 AC.	15.478 AC.
NO. OF BUILDING ON SITE:	23	16
NO. OF UNITS PROPOSED:	208	208
DWELLING UNITS PER ACRE:	12.91 DU/CCRE	13.44 DU/CCRE
BUILDING COVERAGE:	16%	15.8%
PAVED SURFACE PARKING AND ROADS CIRCULATION	32%	37.85%
OPEN SPACE:	37%	42.96%
PARKING PROVIDED:	406 SPACES (1.952 SPACES/UNIT)	407 SPACES (1.957 SPACES/UNIT)

SEE LANDSCAPE PLANS FOR SCREENING WALL DETAILS



REVISIONS

NO.	DESCRIPTION	DATE
1.	REV. LAYOUT PER HAMBURG TWP. REVIEW	4-22-24
2.	REV. ISLAND, ADD VINYL FENCE	6-26-24

3 WORKING DAYS BEFORE YOU DIG
 CALL MISS DIG
 1-800-482-7171
 TOLL FREE FOR THE LOCATION OF UNDERGROUND UTILITIES

PROJECT NUMBER: 248-344-1885
PROJECT MANAGER: B. EMERINE
DRAWN BY: A. AWAD
CHECKED BY: C.S.
DATE: 04/24/24
OFFICE: FARMINGTON HILLS

CLIENT INFO:
 ELEVATE LAND HOLDINGS - THE CROSSING TRAIL
 128 N. CENTER STREET
 NORTHVILLE, MI 48167
 248-344-1885

PROJECT NAME: THE CROSSING AT LAKELANDS TRAIL
 PART OF E. 1/2 OF SEC. 25, T.1N., R.5E., HAMBURG TWP., LIVINGSTON COUNTY, MI

SHEET TITLE: OVERALL PLAN

PAGE No.: 3

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 ENGINEERING | SURVEYING

SKL

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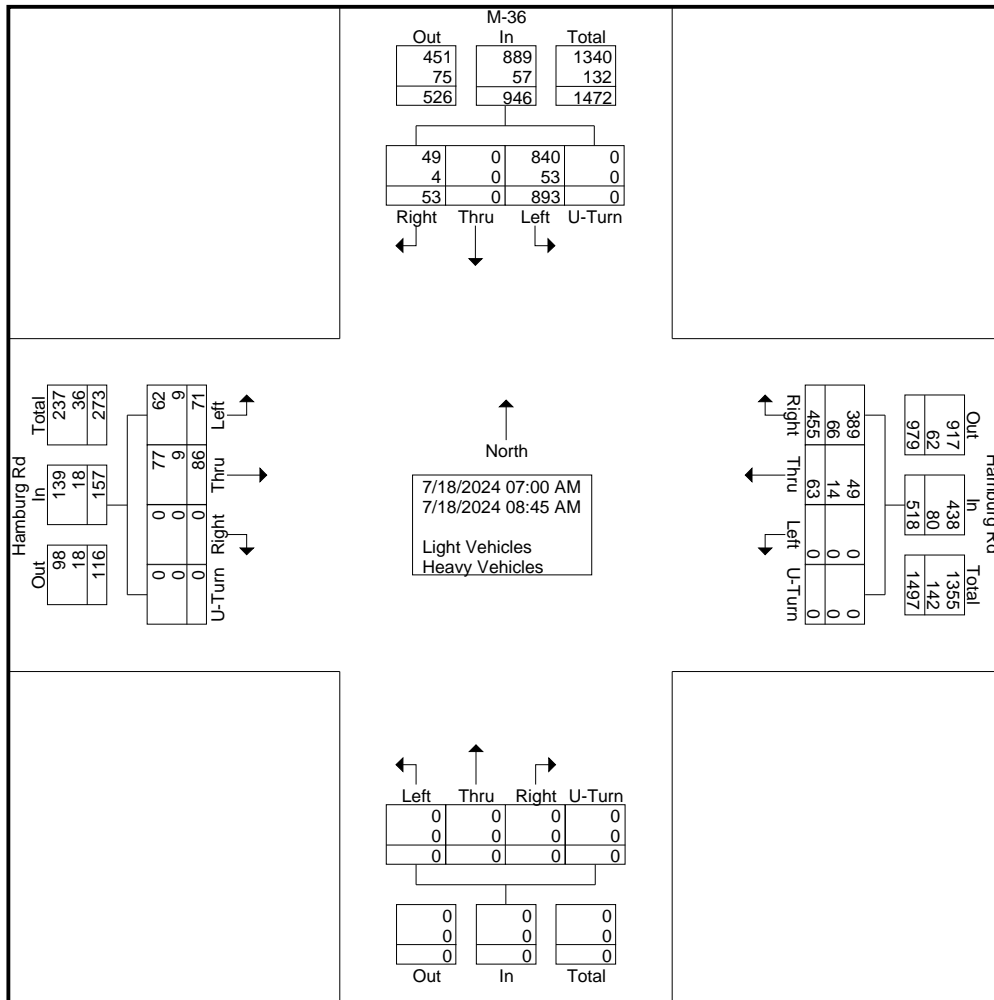
TRUE DATA TO IMPROVE MOBILITY

File Name : 16678701 - M-36 -- Hamburg Rd
 Site Code : 16678701
 Start Date : 7/18/2024
 Page No : 1

Item 11.

Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 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	
07:00 AM	3	9	0	0	12	0	6	36	0	42	0	0	0	0	0	109	0	3	0	112	166
07:15 AM	3	11	0	0	14	0	8	41	0	49	0	0	0	0	0	133	0	4	0	137	200
07:30 AM	10	10	0	0	20	0	7	51	0	58	0	0	0	0	0	123	0	9	0	132	210
07:45 AM	11	13	0	0	24	0	16	72	0	88	0	0	0	0	0	120	0	6	0	126	238
Total	27	43	0	0	70	0	37	200	0	237	0	0	0	0	0	485	0	22	0	507	814
08:00 AM	13	13	0	0	26	0	8	57	0	65	0	0	0	0	0	115	0	4	0	119	210
08:15 AM	12	7	0	0	19	0	7	74	0	81	0	0	0	0	0	105	0	7	0	112	212
08:30 AM	10	9	0	0	19	0	5	61	0	66	0	0	0	0	0	97	0	7	0	104	189
08:45 AM	9	14	0	0	23	0	6	63	0	69	0	0	0	0	0	91	0	13	0	104	196
Total	44	43	0	0	87	0	26	255	0	281	0	0	0	0	0	408	0	31	0	439	807
Grand Total	71	86	0	0	157	0	63	455	0	518	0	0	0	0	0	893	0	53	0	946	1621
Apprch %	45.2	54.8	0	0		0	12.2	87.8	0		0	0	0	0		94.4	0	5.6	0		
Total %	4.4	5.3	0	0	9.7	0	3.9	28.1	0	32	0	0	0	0	0	55.1	0	3.3	0	58.4	
Light Vehicles	62	77	0	0	139	0	49	389	0	438	0	0	0	0	0	840	0	49	0	889	1466
% Light Vehicles	87.3	89.5	0	0	88.5	0	77.8	85.5	0	84.6	0	0	0	0	0	94.1	0	92.5	0	94	90.4
Heavy Vehicles	9	9	0	0	18	0	14	66	0	80	0	0	0	0	0	53	0	4	0	57	155
% Heavy Vehicles	12.7	10.5	0	0	11.5	0	22.2	14.5	0	15.4	0	0	0	0	0	5.9	0	7.5	0	6	9.6

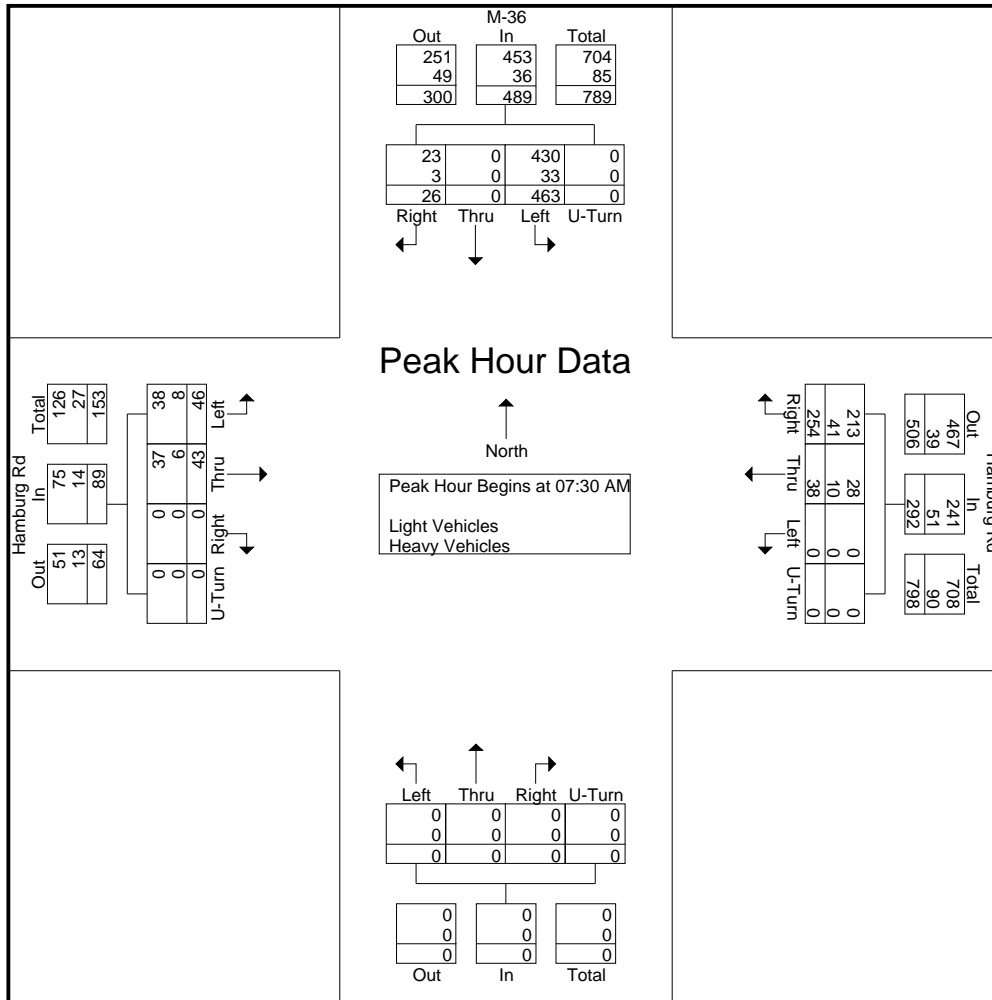




TRUE DATA TO IMPROVE MOBILITY

Item 11.

Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 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 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	10	10	0	0	20	0	7	51	0	58	0	0	0	0	0	123	0	9	0	132	210
07:45 AM	11	13	0	0	24	0	16	72	0	88	0	0	0	0	0	120	0	6	0	126	238
08:00 AM	13	13	0	0	26	0	8	57	0	65	0	0	0	0	0	115	0	4	0	119	210
08:15 AM	12	7	0	0	19	0	7	74	0	81	0	0	0	0	0	105	0	7	0	112	212
Total Volume	46	43	0	0	89	0	38	254	0	292	0	0	0	0	0	463	0	26	0	489	870
% App. Total	51.7	48.3	0	0		0	13	87	0		0	0	0	0		94.7	0	5.3	0		
PHF	.885	.827	.000	.000	.856	.000	.594	.858	.000	.830	.000	.000	.000	.000	.000	.941	.000	.722	.000	.926	.914
Light Vehicles	38	37	0	0	75	0	28	213	0	241	0	0	0	0	0	430	0	23	0	453	769
% Light Vehicles	82.6	86.0	0	0	84.3	0	73.7	83.9	0	82.5	0	0	0	0	0	92.9	0	88.5	0	92.6	88.4
Heavy Vehicles	8	6	0	0	14	0	10	41	0	51	0	0	0	0	0	33	0	3	0	36	101
% Heavy Vehicles	17.4	14.0	0	0	15.7	0	26.3	16.1	0	17.5	0	0	0	0	0	7.1	0	11.5	0	7.4	11.6

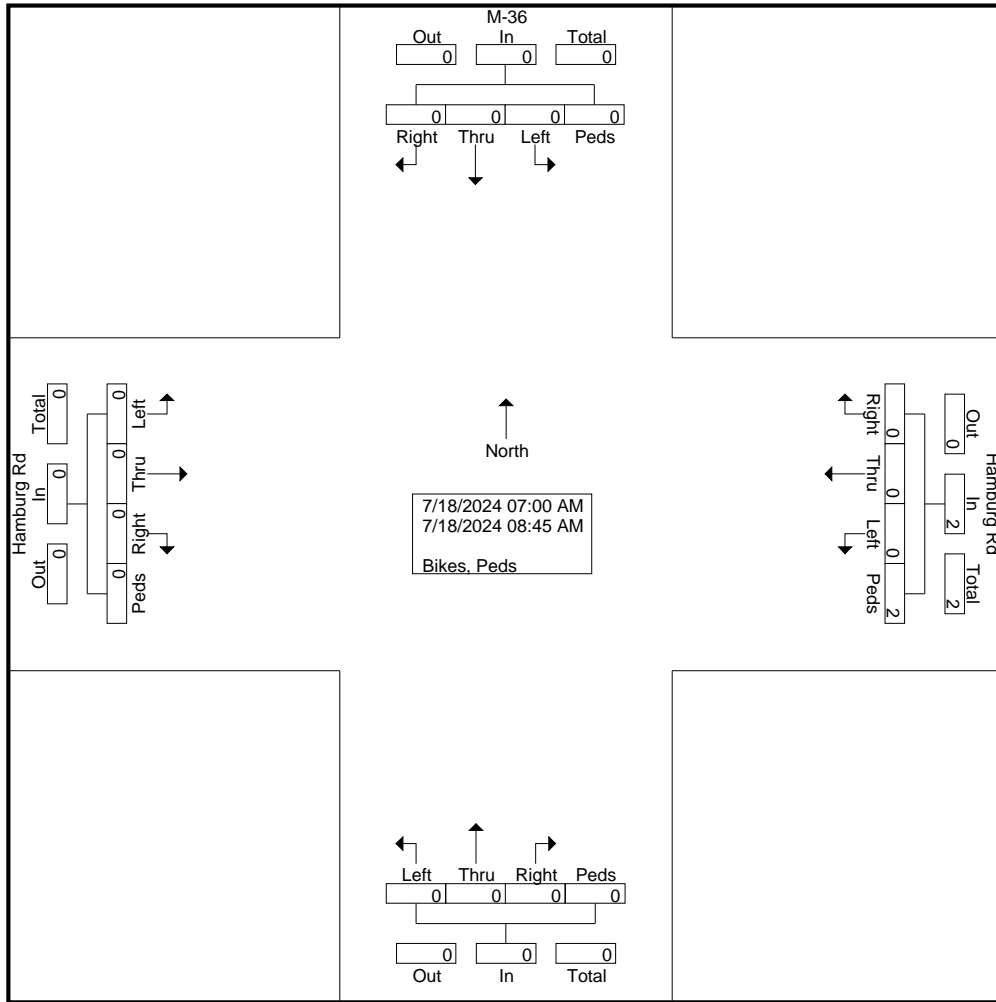




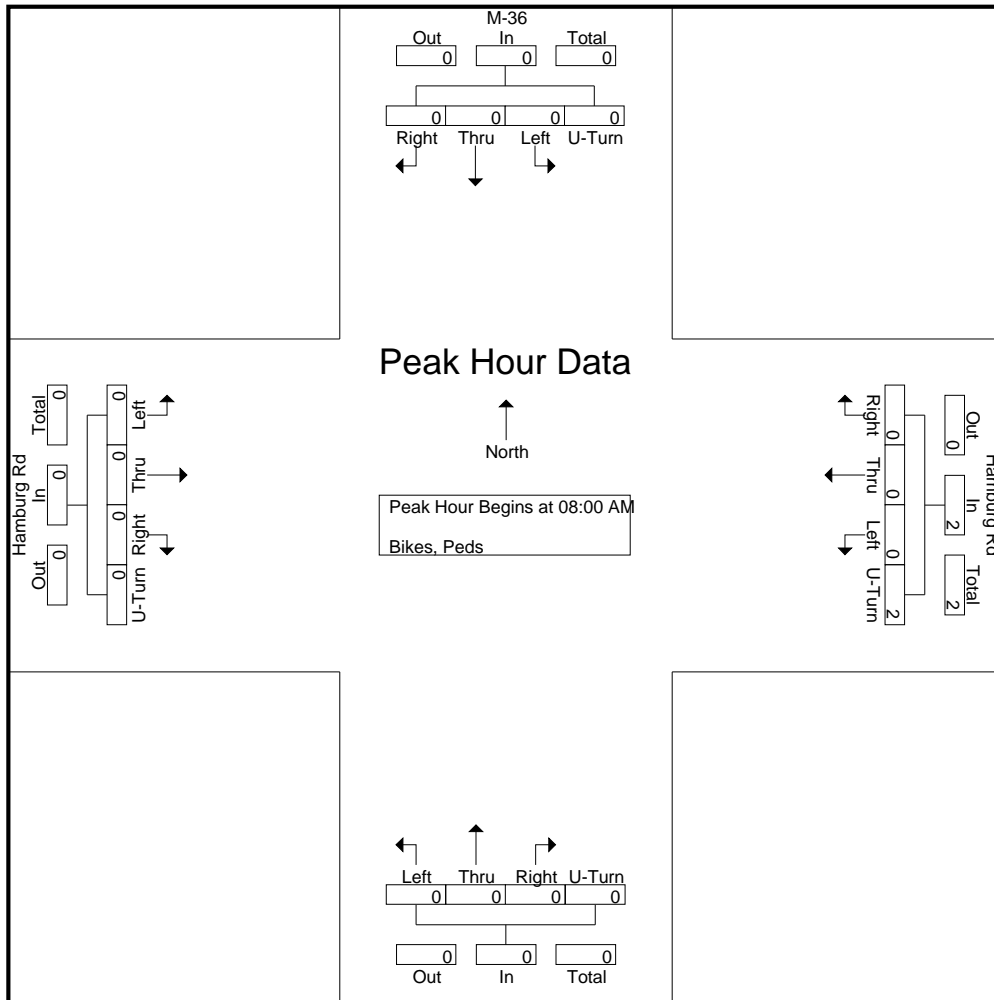
Item 11.

Groups Printed- Bikes, Peds

Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 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	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 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
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2
Grand Total	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2
Apprch %	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	
Total %	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	



Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 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 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2
Total Volume	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2
% 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



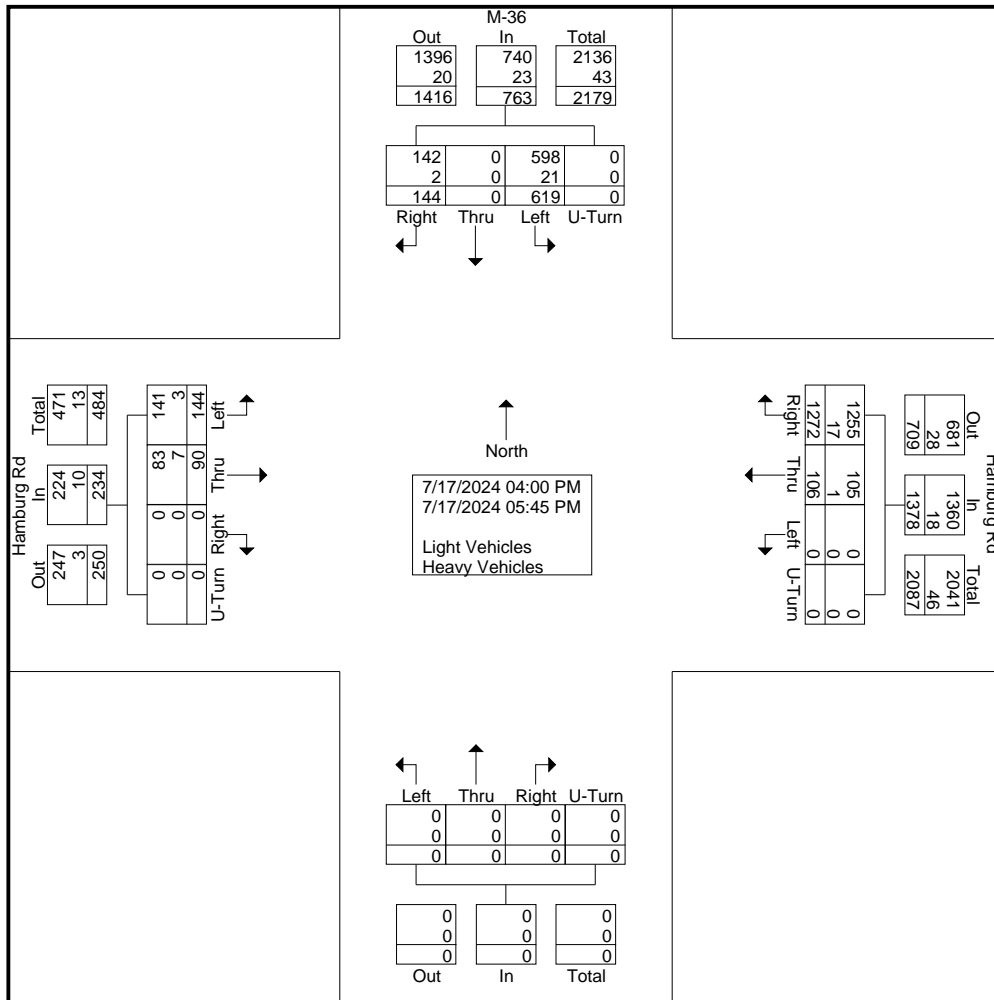


TRUE DATA TO IMPROVE MOBILITY

Item 11.

Groups Printed- Light Vehicles - Heavy Vehicles

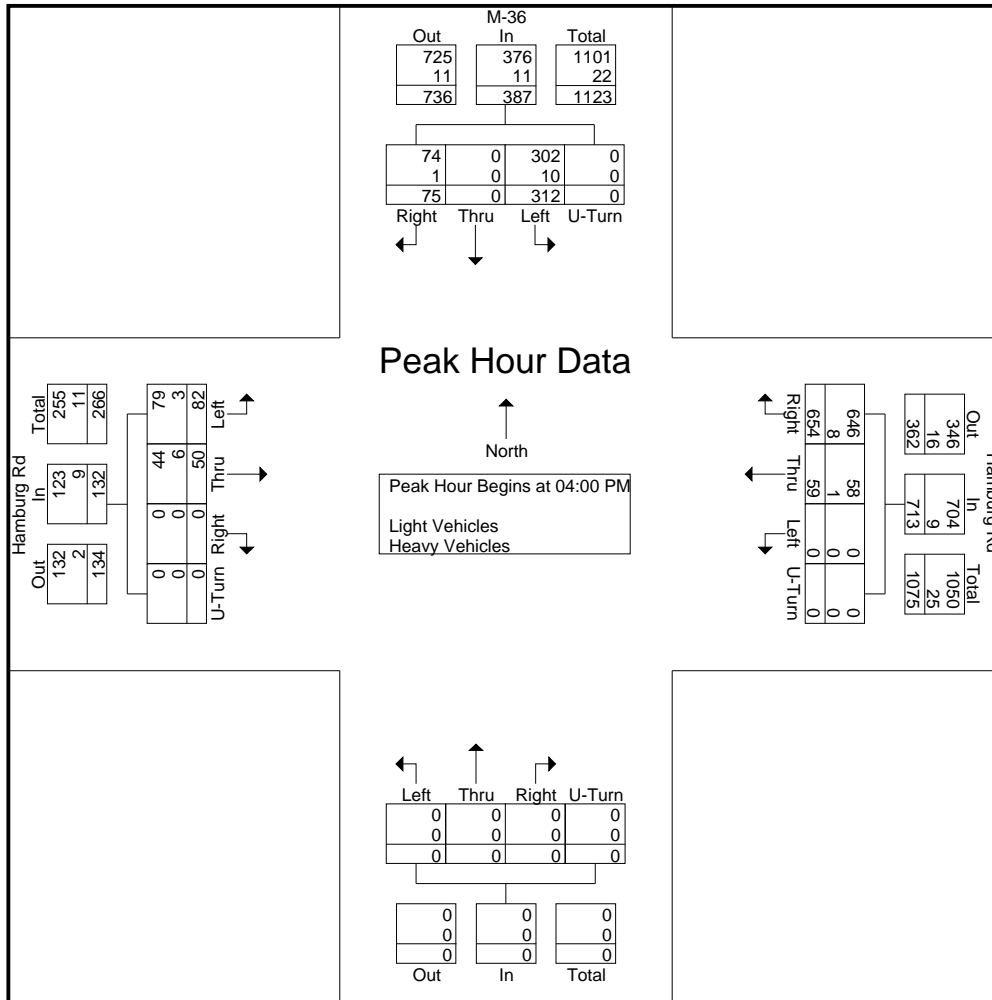
Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	15	16	0	0	31	0	13	170	0	183	0	0	0	0	0	81	0	16	0	97	311
04:15 PM	23	14	0	0	37	0	16	144	0	160	0	0	0	0	0	86	0	20	0	106	303
04:30 PM	24	9	0	0	33	0	15	176	0	191	0	0	0	0	0	69	0	18	0	87	311
04:45 PM	20	11	0	0	31	0	15	164	0	179	0	0	0	0	0	76	0	21	0	97	307
Total	82	50	0	0	132	0	59	654	0	713	0	0	0	0	0	312	0	75	0	387	1232
05:00 PM	14	9	0	0	23	0	17	163	0	180	0	0	0	0	0	82	0	18	0	100	303
05:15 PM	22	13	0	0	35	0	12	157	0	169	0	0	0	0	0	77	0	23	0	100	304
05:30 PM	15	6	0	0	21	0	9	162	0	171	0	0	0	0	0	79	0	14	0	93	285
05:45 PM	11	12	0	0	23	0	9	136	0	145	0	0	0	0	0	69	0	14	0	83	251
Total	62	40	0	0	102	0	47	618	0	665	0	0	0	0	0	307	0	69	0	376	1143
Grand Total	144	90	0	0	234	0	106	1272	0	1378	0	0	0	0	0	619	0	144	0	763	2375
Apprch %	61.5	38.5	0	0		0	7.7	92.3	0		0	0	0	0		81.1	0	18.9	0		
Total %	6.1	3.8	0	0	9.9	0	4.5	53.6	0	58	0	0	0	0	0	26.1	0	6.1	0	32.1	
Light Vehicles	141	83	0	0	224	0	105	1255	0	1360	0	0	0	0	0	598	0	142	0	740	2324
% Light Vehicles	97.9	92.2	0	0	95.7	0	99.1	98.7	0	98.7	0	0	0	0	0	96.6	0	98.6	0	97	97.9
Heavy Vehicles	3	7	0	0	10	0	1	17	0	18	0	0	0	0	0	21	0	2	0	23	51
% Heavy Vehicles	2.1	7.8	0	0	4.3	0	0.9	1.3	0	1.3	0	0	0	0	0	3.4	0	1.4	0	3	2.1





Item 11.

Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 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 04:00 PM																					
04:00 PM	15	16	0	0	31	0	13	170	0	183	0	0	0	0	0	81	0	16	0	97	311
04:15 PM	23	14	0	0	37	0	16	144	0	160	0	0	0	0	0	86	0	20	0	106	303
04:30 PM	24	9	0	0	33	0	15	176	0	191	0	0	0	0	0	69	0	18	0	87	311
04:45 PM	20	11	0	0	31	0	15	164	0	179	0	0	0	0	0	76	0	21	0	97	307
Total Volume	82	50	0	0	132	0	59	654	0	713	0	0	0	0	0	312	0	75	0	387	1232
% App. Total	62.1	37.9	0	0		0	8.3	91.7	0		0	0	0	0	0	80.6	0	19.4	0		
PHF	.854	.781	.000	.000	.892	.000	.922	.929	.000	.933	.000	.000	.000	.000	.000	.907	.000	.893	.000	.913	.990
Light Vehicles	79	44	0	0	123	0	58	646	0	704	0	0	0	0	0	302	0	74	0	376	1203
% Light Vehicles	96.3	88.0	0	0	93.2	0	98.3	98.8	0	98.7	0	0	0	0	0	96.8	0	98.7	0	97.2	97.6
Heavy Vehicles	3	6	0	0	9	0	1	8	0	9	0	0	0	0	0	10	0	1	0	11	29
% Heavy Vehicles	3.7	12.0	0	0	6.8	0	1.7	1.2	0	1.3	0	0	0	0	0	3.2	0	1.3	0	2.8	2.4

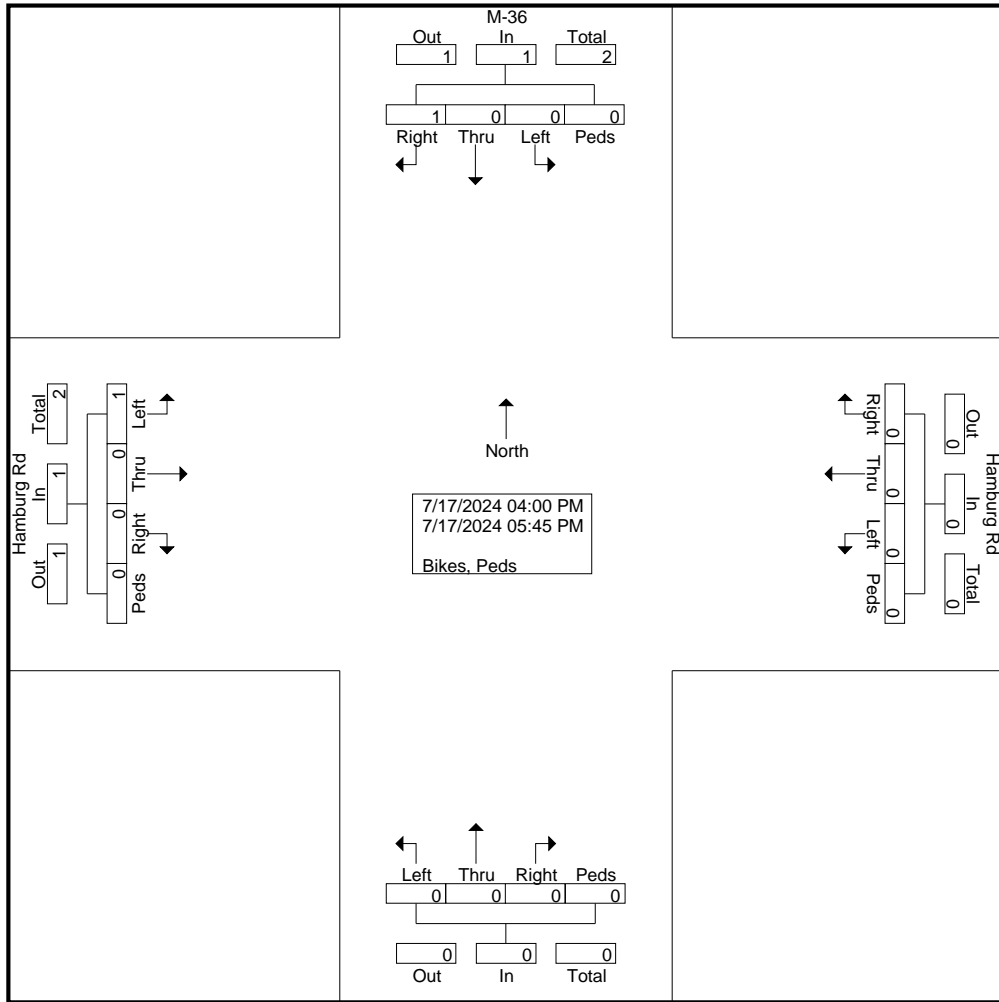




Item 11.

Groups Printed- Bikes, Peds

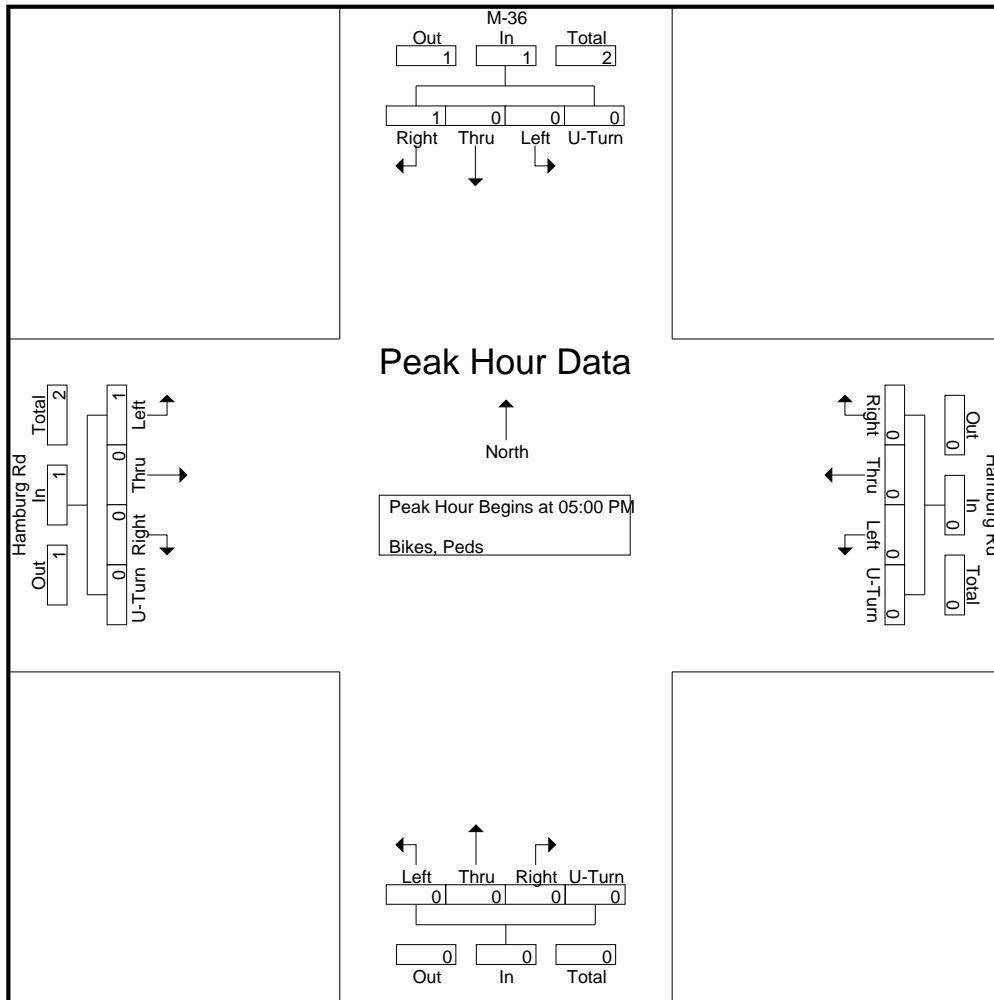
Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	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	1	0	1	1
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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
Grand Total	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
Apprch %	100	0	0	0		0	0	0	0		0	0	0	0		0	0	100	0		
Total %	50	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	50	0	50	





Item 11.

Start Time	Hamburg Rd Eastbound					Hamburg Rd Westbound					Northbound					M-36 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 05:00 PM																					
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
% App. Total	100	0	0	0		0	0	0	0		0	0	0	0		0	0	100	0		
PHF	.250	.000	.000	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.500

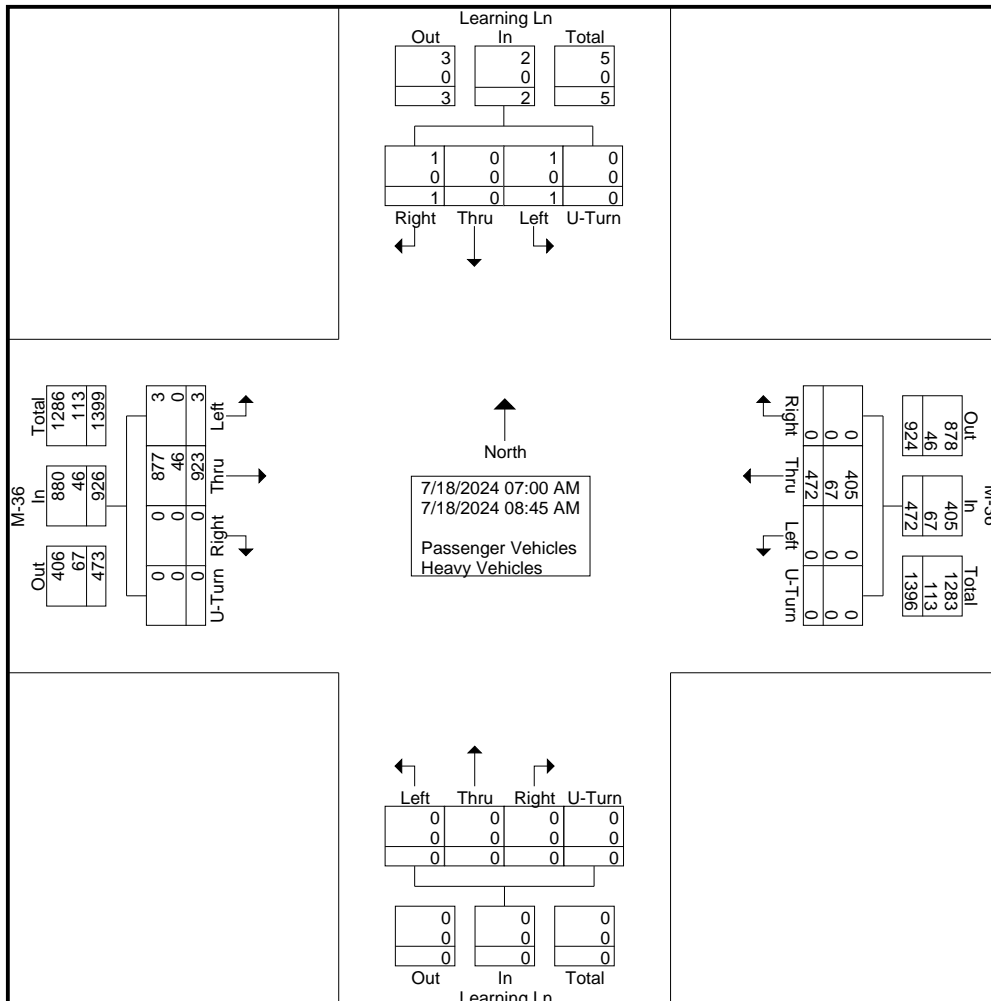




TRUE DATA TO IMPROVE MOBILITY

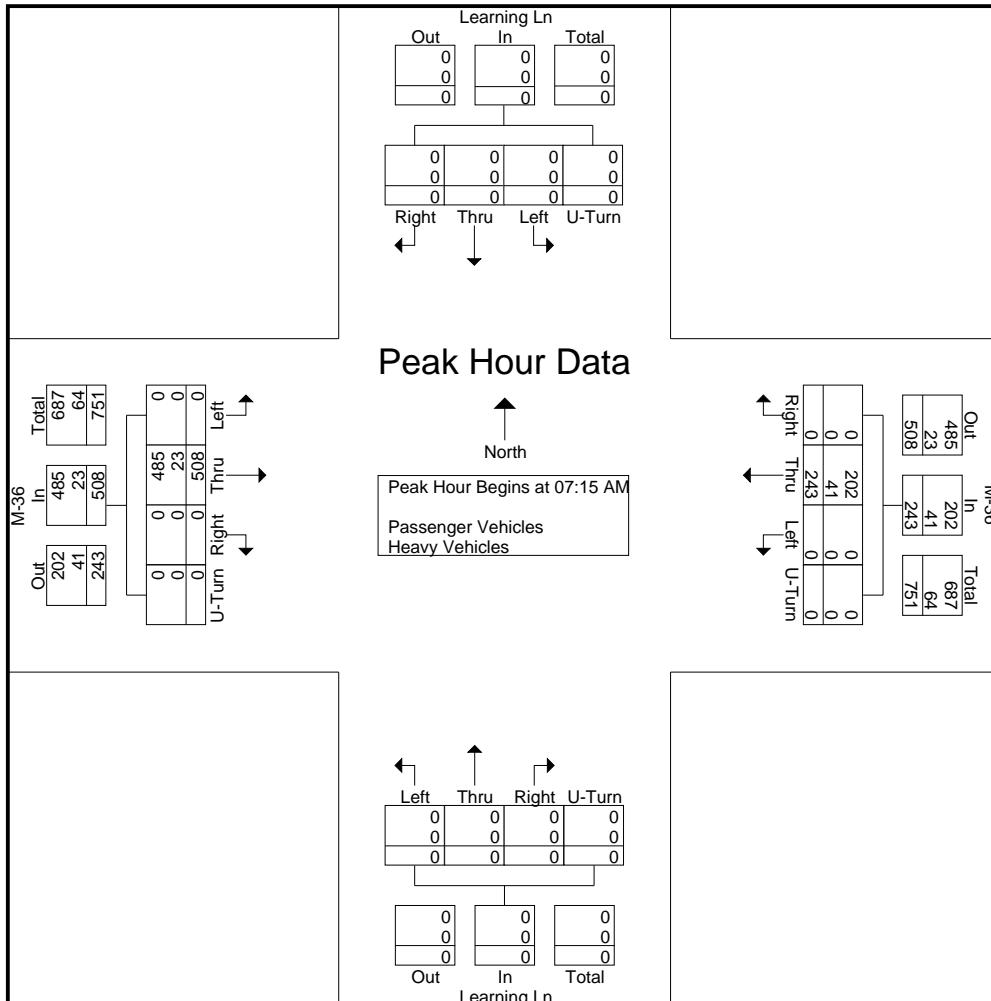
Groups Printed- Passenger Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln 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	
07:00 AM	2	113	0	0	115	0	37	0	0	37	0	0	0	0	0	1	0	1	0	2	154
07:15 AM	0	146	0	0	146	0	48	0	0	48	0	0	0	0	0	0	0	0	0	0	194
07:30 AM	0	130	0	0	130	0	57	0	0	57	0	0	0	0	0	0	0	0	0	0	187
07:45 AM	0	119	0	0	119	0	78	0	0	78	0	0	0	0	0	0	0	0	0	0	197
Total	2	508	0	0	510	0	220	0	0	220	0	0	0	0	0	1	0	1	0	2	732
08:00 AM	0	113	0	0	113	0	60	0	0	60	0	0	0	0	0	0	0	0	0	0	173
08:15 AM	0	106	0	0	106	0	69	0	0	69	0	0	0	0	0	0	0	0	0	0	175
08:30 AM	0	102	0	0	102	0	58	0	0	58	0	0	0	0	0	0	0	0	0	0	160
08:45 AM	1	94	0	0	95	0	65	0	0	65	0	0	0	0	0	0	0	0	0	0	160
Total	1	415	0	0	416	0	252	0	0	252	0	0	0	0	0	0	0	0	0	0	668
Grand Total	3	923	0	0	926	0	472	0	0	472	0	0	0	0	0	1	0	1	0	2	1400
Apprch %	0.3	99.7	0	0		0	100	0	0		0	0	0	0		50	0	50	0		
Total %	0.2	65.9	0	0	66.1	0	33.7	0	0	33.7	0	0	0	0	0	0.1	0	0.1	0	0.1	
Passenger Vehicles	3	877	0	0	880	0	405	0	0	405	0	0	0	0	0	1	0	1	0	2	1287
% Passenger Vehicles	100	95	0	0	95	0	85.8	0	0	85.8	0	0	0	0	0	100	0	100	0	100	91.9
Heavy Vehicles	0	46	0	0	46	0	67	0	0	67	0	0	0	0	0	0	0	0	0	0	113
% Heavy Vehicles	0	5	0	0	5	0	14.2	0	0	14.2	0	0	0	0	0	0	0	0	0	0	8.1





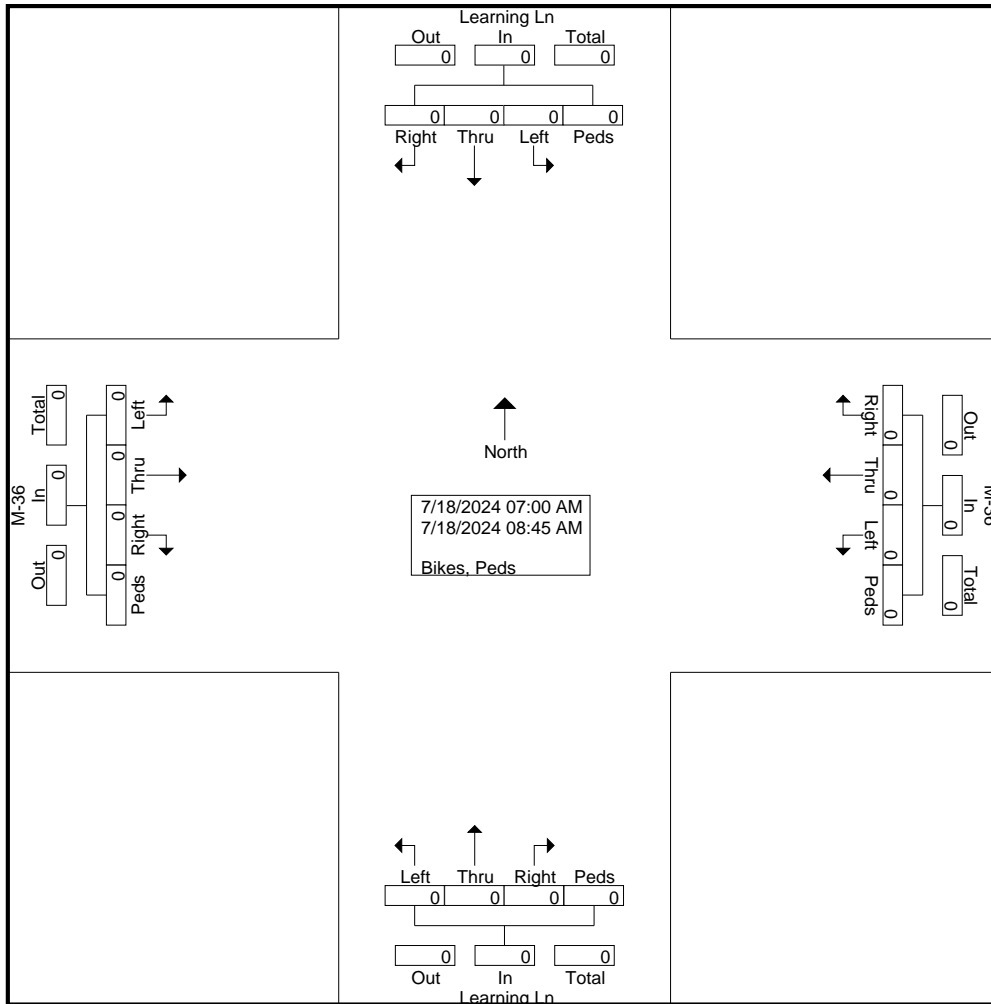
Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	146	0	0	146	0	48	0	0	48	0	0	0	0	0	0	0	0	0	0	194
07:30 AM	0	130	0	0	130	0	57	0	0	57	0	0	0	0	0	0	0	0	0	0	187
07:45 AM	0	119	0	0	119	0	78	0	0	78	0	0	0	0	0	0	0	0	0	0	197
08:00 AM	0	113	0	0	113	0	60	0	0	60	0	0	0	0	0	0	0	0	0	0	173
Total Volume	0	508	0	0	508	0	243	0	0	243	0	0	0	0	0	0	0	0	0	0	751
% App. Total	0	100	0	0		0	100	0	0		0	0	0	0		0	0	0	0		
PHF	.000	.870	.000	.000	.870	.000	.779	.000	.000	.779	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.953
Passenger Vehicles	0	485	0	0	485	0	202	0	0	202	0	0	0	0	0	0	0	0	0	0	687
% Passenger Vehicles	0	95.5	0	0	95.5	0	83.1	0	0	83.1	0	0	0	0	0	0	0	0	0	0	91.5
Heavy Vehicles	0	23	0	0	23	0	41	0	0	41	0	0	0	0	0	0	0	0	0	0	64
% Heavy Vehicles	0	4.5	0	0	4.5	0	16.9	0	0	16.9	0	0	0	0	0	0	0	0	0	0	8.5





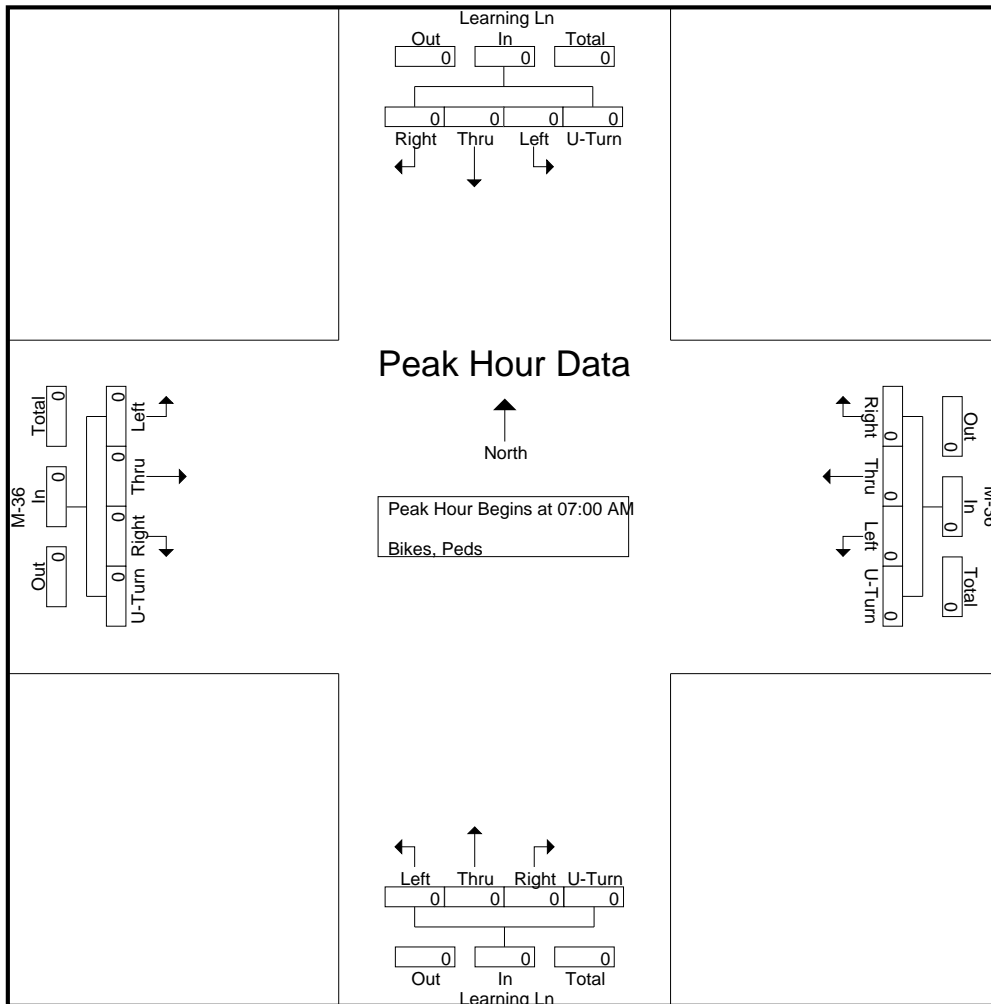
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln 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						
07:00 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
07:15 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
07:30 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
07:45 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
08:00 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
08:15 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
08:30 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
08:45 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
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							
Total %																										





Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln 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 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 07:00 AM																						
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 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

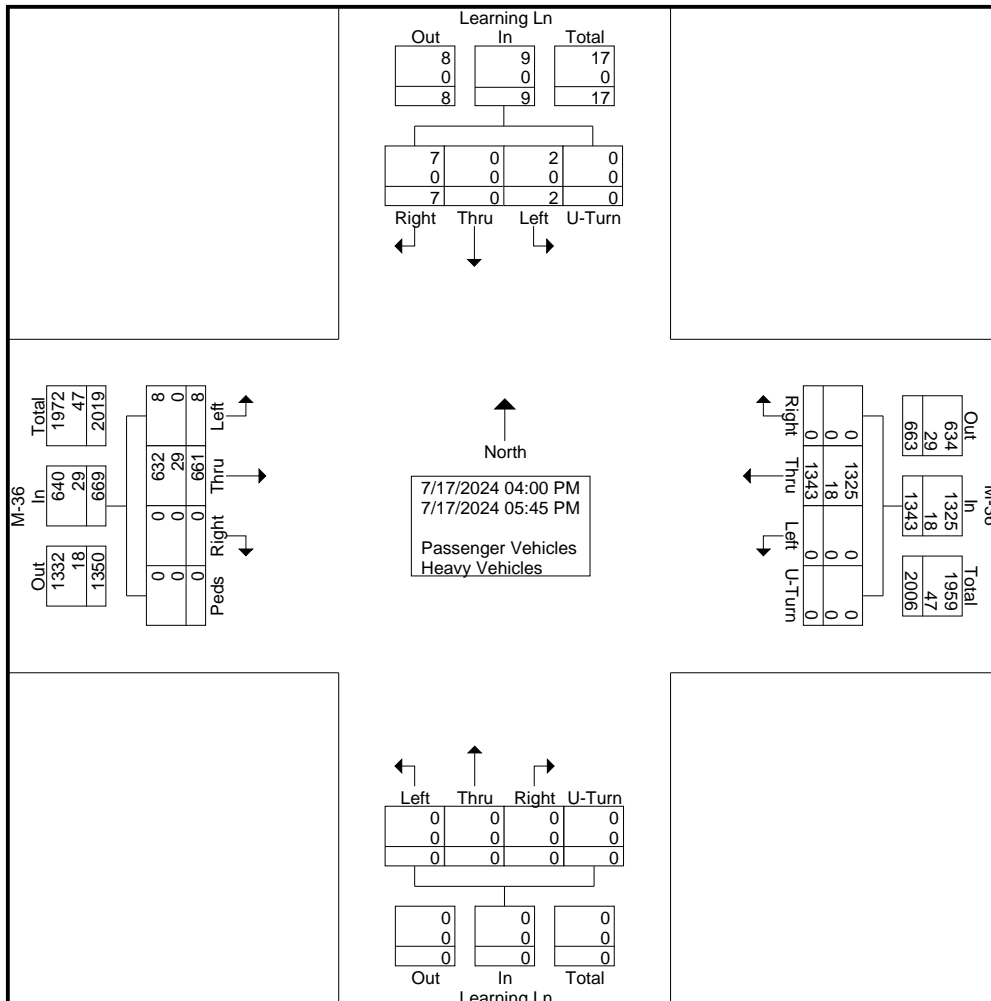




TRUE DATA TO IMPROVE MOBILITY

Groups Printed- Passenger Vehicles - Heavy Vehicles

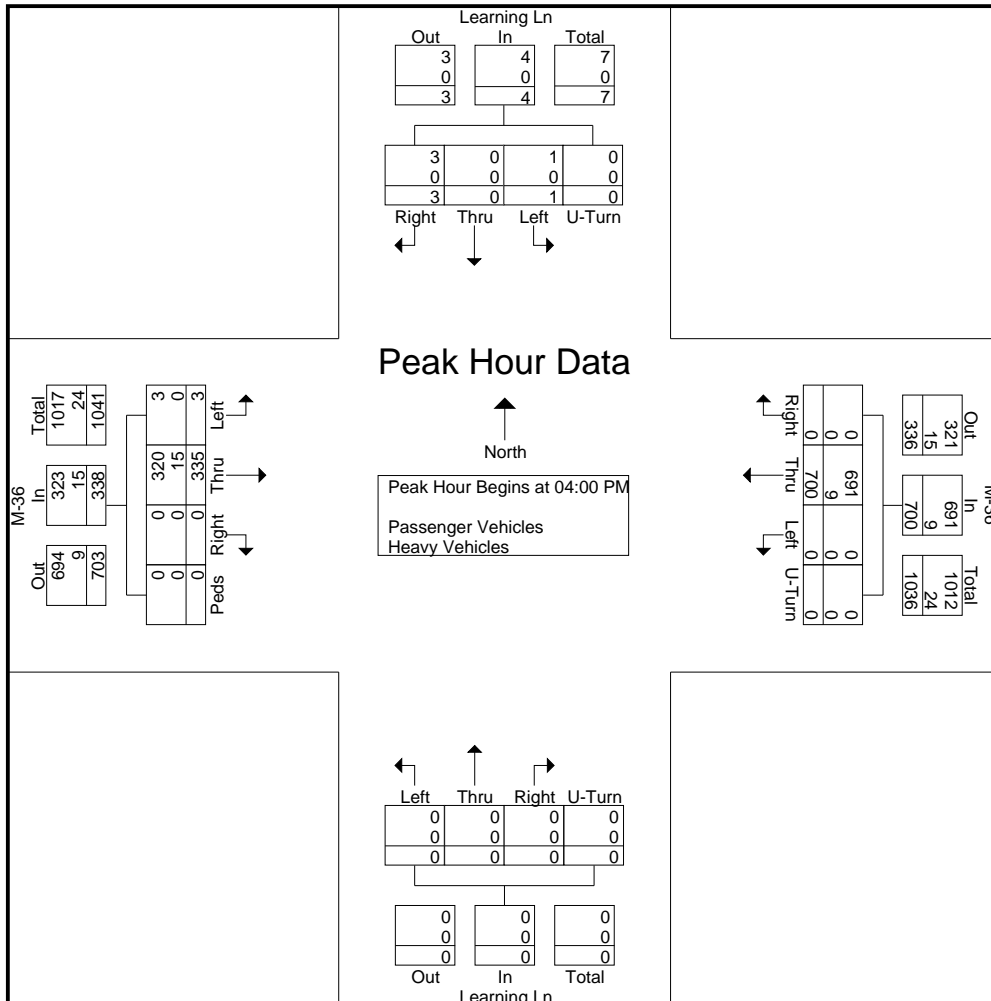
Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	0	88	0	0	88	0	188	0	0	188	0	0	0	0	0	0	0	1	0	1	277
04:15 PM	1	94	0	0	95	0	152	0	0	152	0	0	0	0	0	1	0	0	0	1	248
04:30 PM	0	74	0	0	74	0	184	0	0	184	0	0	0	0	0	0	0	0	0	0	258
04:45 PM	2	79	0	0	81	0	176	0	0	176	0	0	0	0	0	0	0	2	0	2	259
Total	3	335	0	0	338	0	700	0	0	700	0	0	0	0	0	1	0	3	0	4	1042
05:00 PM	1	79	0	0	80	0	169	0	0	169	0	0	0	0	0	0	0	1	0	1	250
05:15 PM	2	89	0	0	91	0	161	0	0	161	0	0	0	0	0	0	0	1	0	1	253
05:30 PM	0	81	0	0	81	0	173	0	0	173	0	0	0	0	0	1	0	1	0	2	256
05:45 PM	2	77	0	0	79	0	140	0	0	140	0	0	0	0	0	0	0	1	0	1	220
Total	5	326	0	0	331	0	643	0	0	643	0	0	0	0	0	1	0	4	0	5	979
Grand Total	8	661	0	0	669	0	1343	0	0	1343	0	0	0	0	0	2	0	7	0	9	2021
Apprch %	1.2	98.8	0	0		0	100	0	0		0	0	0	0		22.2	0	77.8	0		
Total %	0.4	32.7	0	0	33.1	0	66.5	0	0	66.5	0	0	0	0	0	0.1	0	0.3	0	0.4	
Passenger Vehicles	8	632	0	0	640	0	1325	0	0	1325	0	0	0	0	0	2	0	7	0	9	1974
% Passenger Vehicles	100	95.6	0	0	95.7	0	98.7	0	0	98.7	0	0	0	0	0	100	0	100	0	100	97.7
Heavy Vehicles	0	29	0	0	29	0	18	0	0	18	0	0	0	0	0	0	0	0	0	0	47
% Heavy Vehicles	0	4.4	0	0	4.3	0	1.3	0	0	1.3	0	0	0	0	0	0	0	0	0	0	2.3





TRUE DATA TO IMPROVE MOBILITY

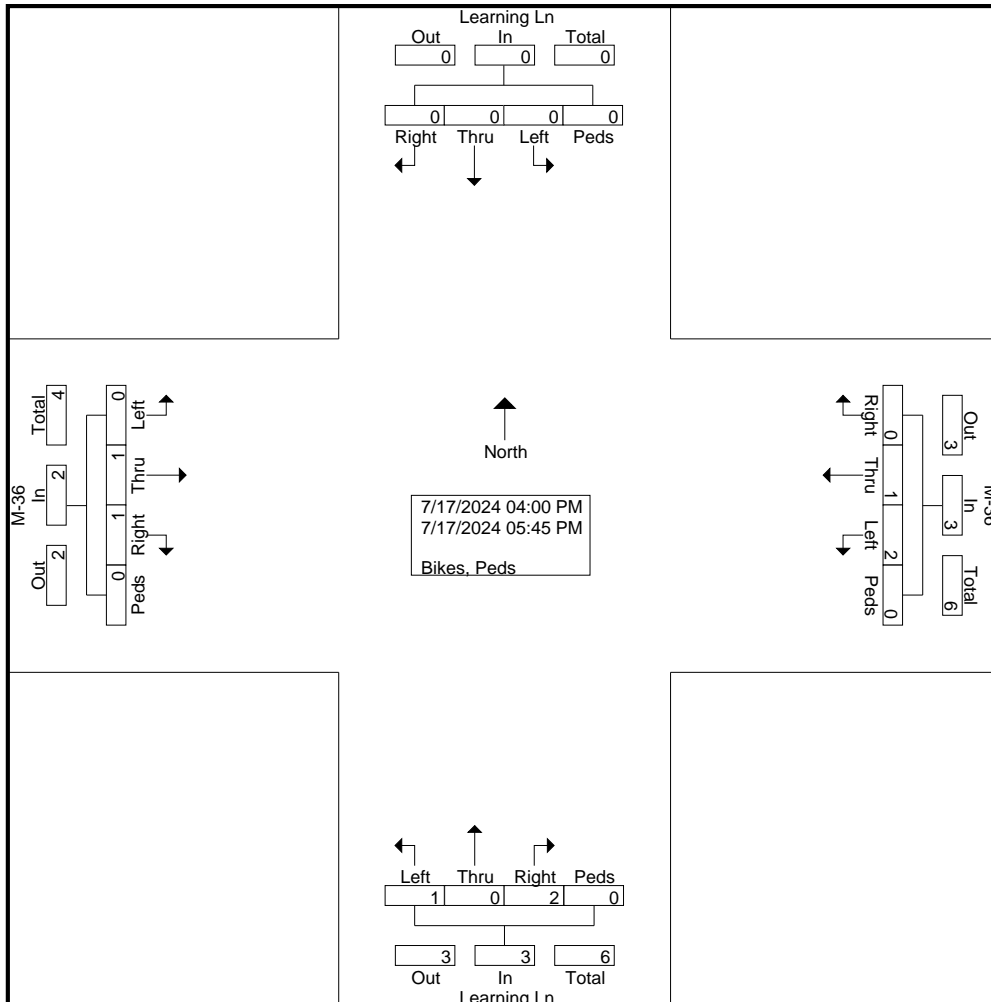
Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln Southbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	88	0	0	88	0	188	0	0	188	0	0	0	0	0	0	0	1	0	1	277
04:15 PM	1	94	0	0	95	0	152	0	0	152	0	0	0	0	0	1	0	0	0	1	248
04:30 PM	0	74	0	0	74	0	184	0	0	184	0	0	0	0	0	0	0	0	0	0	258
04:45 PM	2	79	0	0	81	0	176	0	0	176	0	0	0	0	0	0	0	2	0	2	259
Total Volume	3	335	0	0	338	0	700	0	0	700	0	0	0	0	0	1	0	3	0	4	1042
% App. Total	0.9	99.1	0	0		0	100	0	0		0	0	0	0		25	0	75	0		
PHF	.375	.891	.000	.000	.889	.000	.931	.000	.000	.931	.000	.000	.000	.000	.250	.000	.375	.000	.500		.940
Passenger Vehicles	3	320	0	0	323	0	691	0	0	691	0	0	0	0	0	1	0	3	0	4	1018
% Passenger Vehicles	100	95.5	0	0	95.6	0	98.7	0	0	98.7	0	0	0	0	0	100	0	100	0	100	97.7
Heavy Vehicles	0	15	0	0	15	0	9	0	0	9	0	0	0	0	0	0	0	0	0	0	24
% Heavy Vehicles	0	4.5	0	0	4.4	0	1.3	0	0	1.3	0	0	0	0	0	0	0	0	0	0	2.3





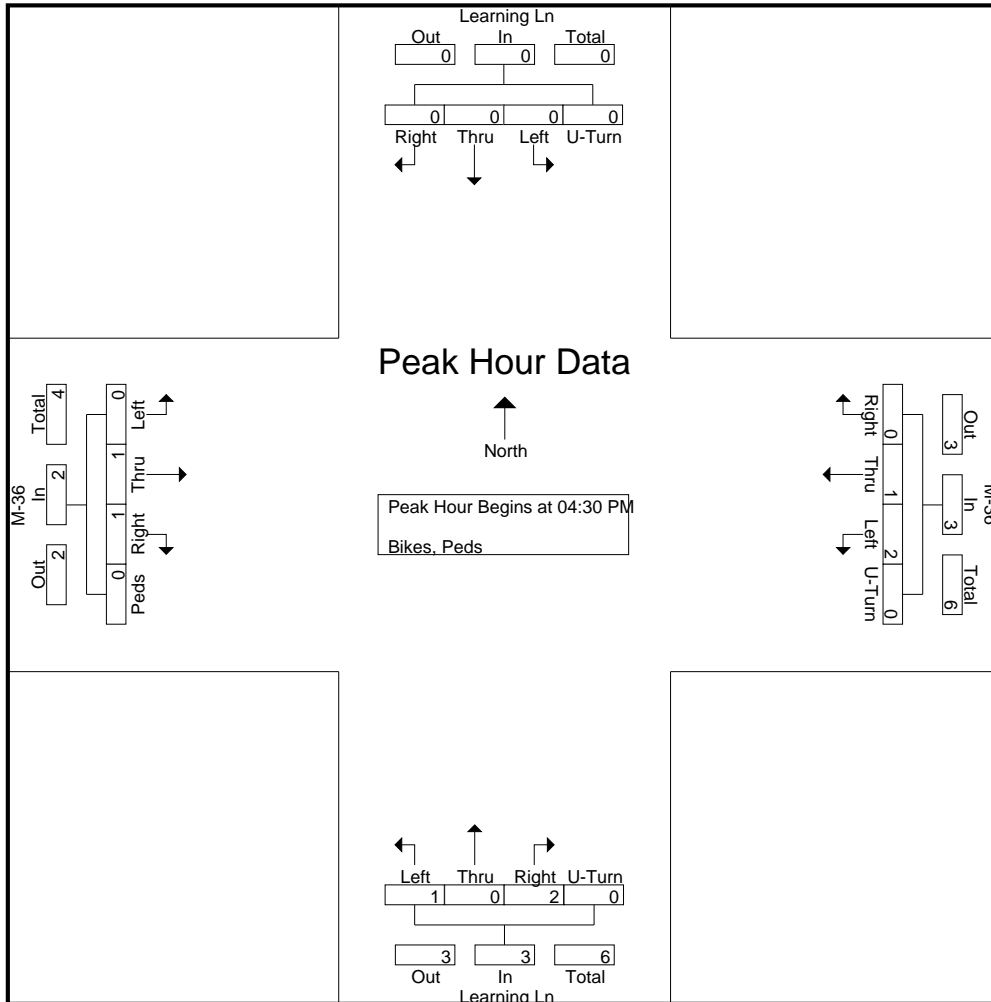
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln 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	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	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	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	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
05:00 PM	0	0	0	0	0	2	1	0	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
05:15 PM	0	1	1	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4
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	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	0
Total	0	1	1	0	2	2	1	0	0	3	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	8
Grand Total	0	1	1	0	2	2	1	0	0	3	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	8
Apprch %	0	50	50	0		66.7	33.3	0	0		33.3	0	66.7	0		0	0	0	0		0	0	0	0		
Total %	0	12.5	12.5	0	25	25	12.5	0	0	37.5	12.5	0	25	0	37.5	0	0	0	0		0	0	0	0		





Start Time	M-36 Eastbound					M-36 Westbound					Learning Ln Northbound					Learning Ln 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 04:30 PM																					
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
05:00 PM	0	0	0	0	0	2	1	0	0	3	1	0	0	0	1	0	0	0	0	0	0
05:15 PM	0	1	1	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Total Volume	0	1	1	0	2	2	1	0	0	3	1	0	2	0	3	0	0	0	0	0	0
% App. Total	0	50	50	0		66.7	33.3	0	0		33.3	0	66.7	0		0	0	0	0	0	
PHF	.000	.250	.250	.000	.250	.250	.250	.000	.000	.250	.250	.000	.250	.000	.375	.000	.000	.000	.000	.000	.500

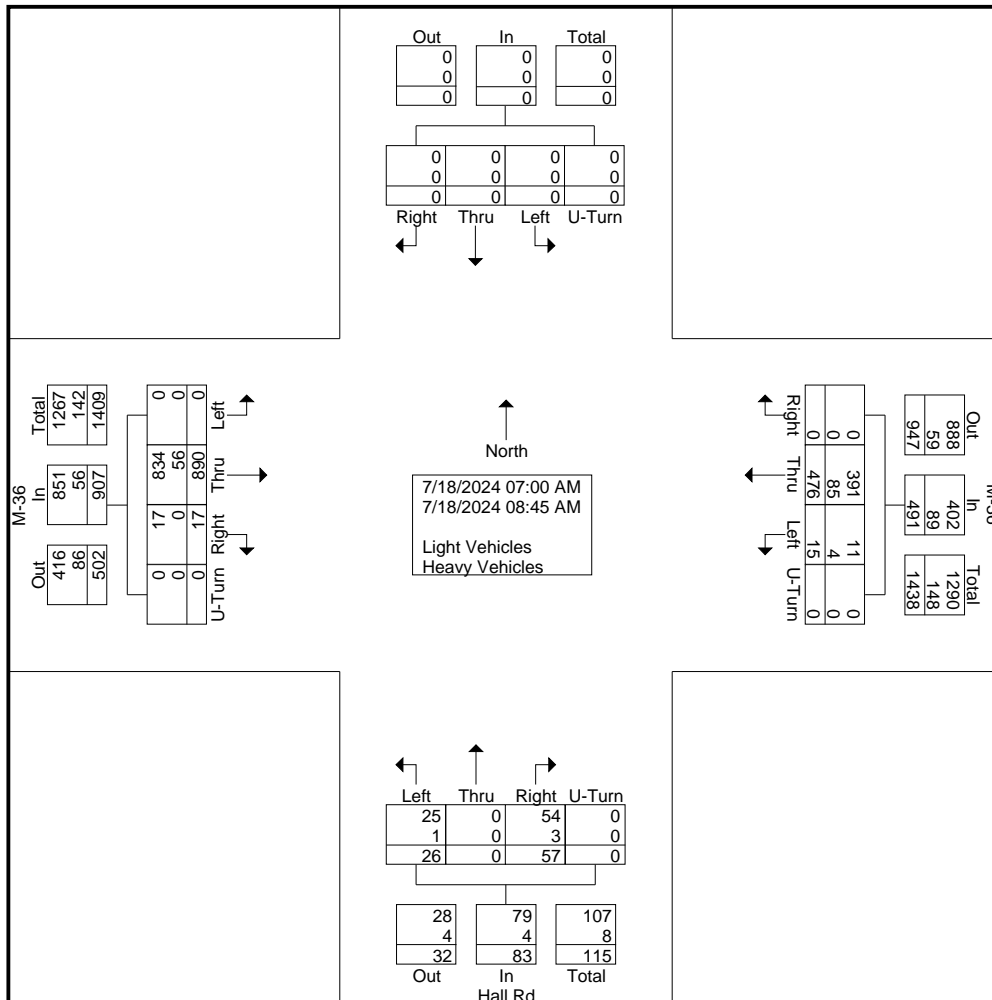




TRUE DATA TO IMPROVE MOBILITY

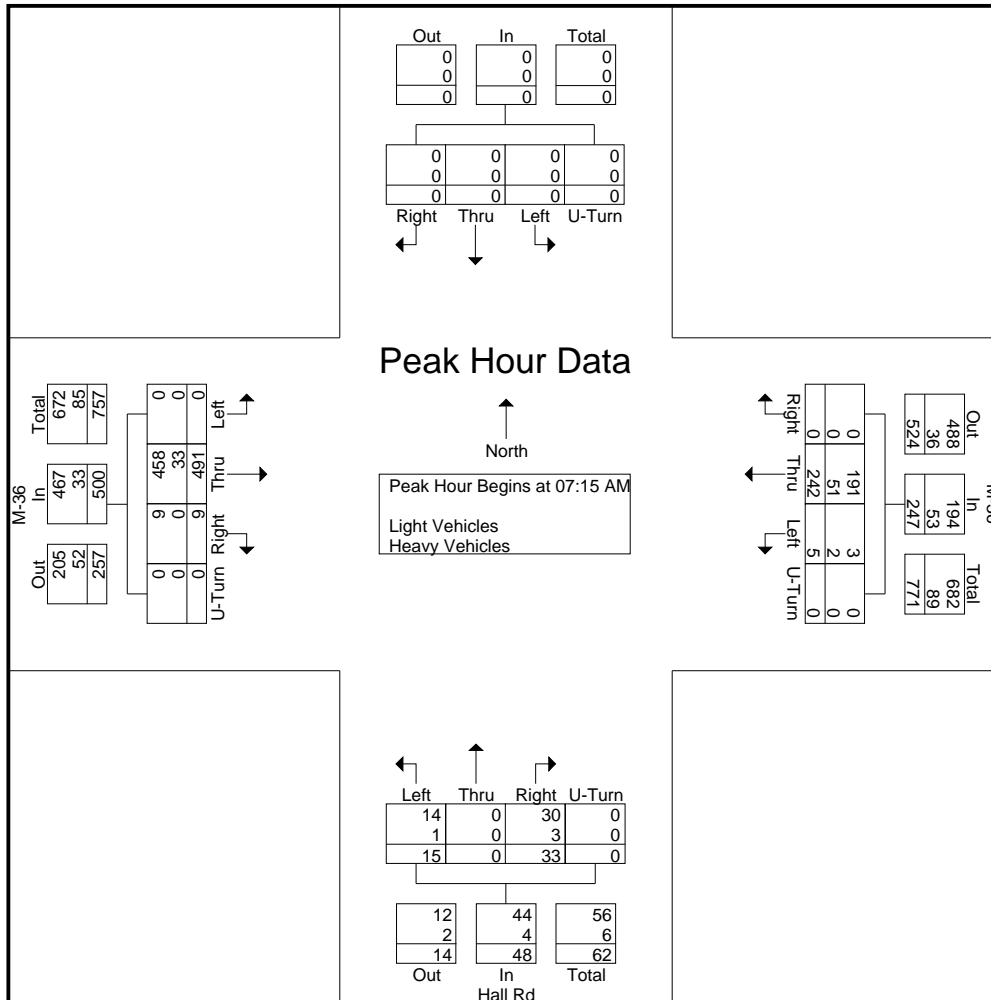
Groups Printed- Light Vehicles - Heavy Vehicles

Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					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	
07:00 AM	0	106	2	0	108	2	42	0	0	44	2	0	6	0	8	0	0	0	0	0	160
07:15 AM	0	148	1	0	149	0	46	0	0	46	3	0	3	0	6	0	0	0	0	0	201
07:30 AM	0	117	3	0	120	3	55	0	0	58	5	0	14	0	19	0	0	0	0	0	197
07:45 AM	0	113	4	0	117	0	79	0	0	79	4	0	10	0	14	0	0	0	0	0	210
Total	0	484	10	0	494	5	222	0	0	227	14	0	33	0	47	0	0	0	0	0	768
08:00 AM	0	113	1	0	114	2	62	0	0	64	3	0	6	0	9	0	0	0	0	0	187
08:15 AM	0	98	5	0	103	1	66	0	0	67	3	0	7	0	10	0	0	0	0	0	180
08:30 AM	0	102	0	0	102	3	57	0	0	60	3	0	8	0	11	0	0	0	0	0	173
08:45 AM	0	93	1	0	94	4	69	0	0	73	3	0	3	0	6	0	0	0	0	0	173
Total	0	406	7	0	413	10	254	0	0	264	12	0	24	0	36	0	0	0	0	0	713
Grand Total	0	890	17	0	907	15	476	0	0	491	26	0	57	0	83	0	0	0	0	0	1481
Apprch %	0	98.1	1.9	0		3.1	96.9	0	0		31.3	0	68.7	0		0	0	0	0		
Total %	0	60.1	1.1	0	61.2	1	32.1	0	0	33.2	1.8	0	3.8	0	5.6	0	0	0	0	0	
Light Vehicles	0	834	17	0	851	11	391	0	0	402	25	0	54	0	79	0	0	0	0	0	1332
% Light Vehicles	0	93.7	100	0	93.8	73.3	82.1	0	0	81.9	96.2	0	94.7	0	95.2	0	0	0	0	0	89.9
Heavy Vehicles	0	56	0	0	56	4	85	0	0	89	1	0	3	0	4	0	0	0	0	0	149
% Heavy Vehicles	0	6.3	0	0	6.2	26.7	17.9	0	0	18.1	3.8	0	5.3	0	4.8	0	0	0	0	0	10.1





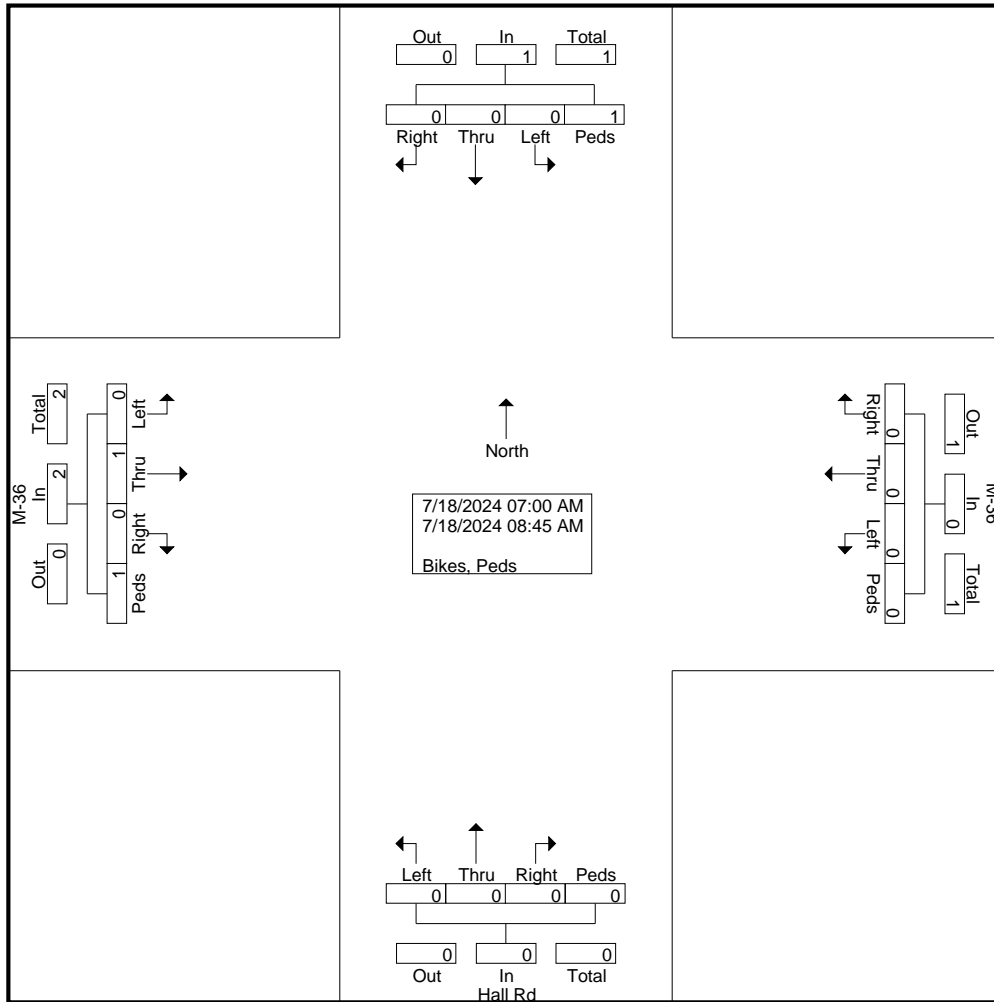
Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	148	1	0	149	0	46	0	0	46	3	0	3	0	6	0	0	0	0	0	201
07:30 AM	0	117	3	0	120	3	55	0	0	58	5	0	14	0	19	0	0	0	0	0	197
07:45 AM	0	113	4	0	117	0	79	0	0	79	4	0	10	0	14	0	0	0	0	0	210
08:00 AM	0	113	1	0	114	2	62	0	0	64	3	0	6	0	9	0	0	0	0	0	187
Total Volume	0	491	9	0	500	5	242	0	0	247	15	0	33	0	48	0	0	0	0	0	795
% App. Total	0	98.2	1.8	0		2	98	0	0		31.2	0	68.8	0		0	0	0	0		
PHF	.000	.829	.563	.000	.839	.417	.766	.000	.000	.782	.750	.000	.589	.000	.632	.000	.000	.000	.000	.000	.946
Light Vehicles	0	458	9	0	467	3	191	0	0	194	14	0	30	0	44	0	0	0	0	0	705
% Light Vehicles	0	93.3	100	0	93.4	60.0	78.9	0	0	78.5	93.3	0	90.9	0	91.7	0	0	0	0	0	88.7
Heavy Vehicles	0	33	0	0	33	2	51	0	0	53	1	0	3	0	4	0	0	0	0	0	90
% Heavy Vehicles	0	6.7	0	0	6.6	40.0	21.1	0	0	21.5	6.7	0	9.1	0	8.3	0	0	0	0	0	11.3





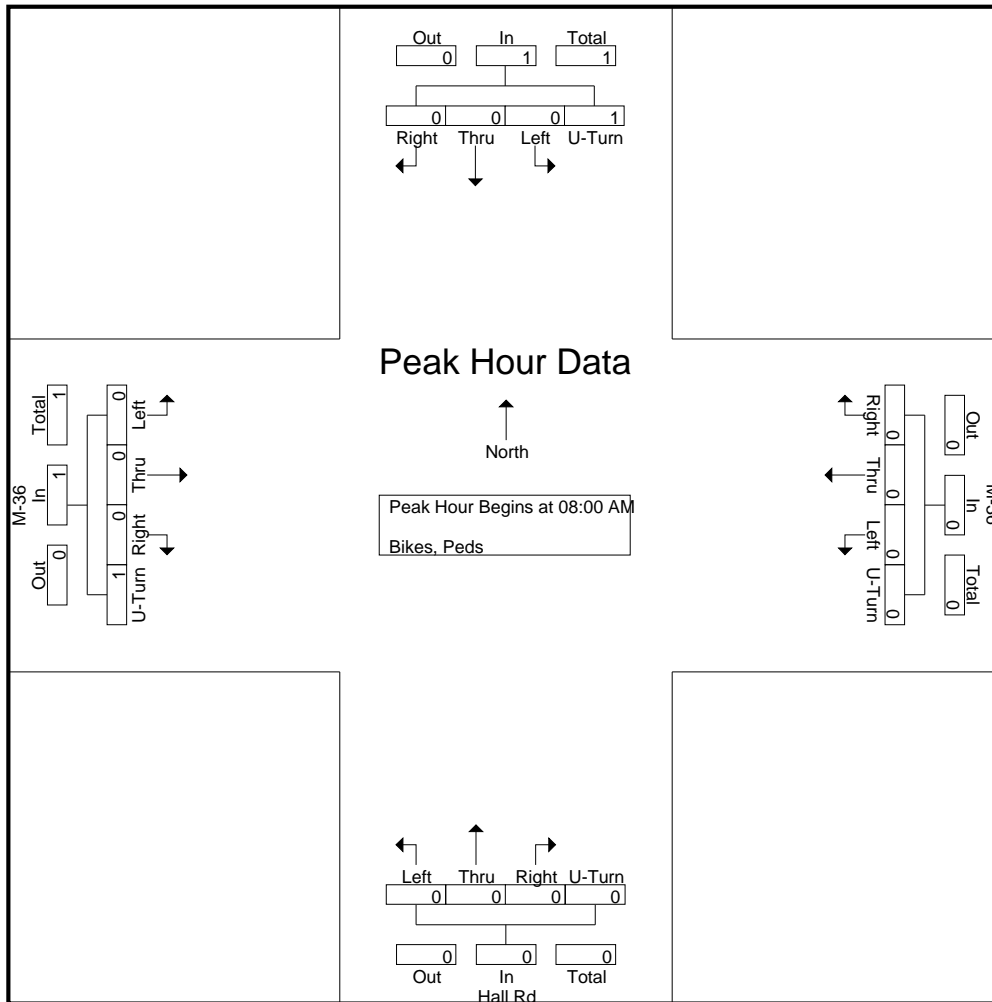
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					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	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Total	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Grand Total	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3
Apprch %	0	50	0	50		0	0	0	0		0	0	0	0		0	0	0	100		
Total %	0	33.3	0	33.3	66.7	0	0	0	0	0	0	0	0	0	0	0	0	0	33.3	33.3	





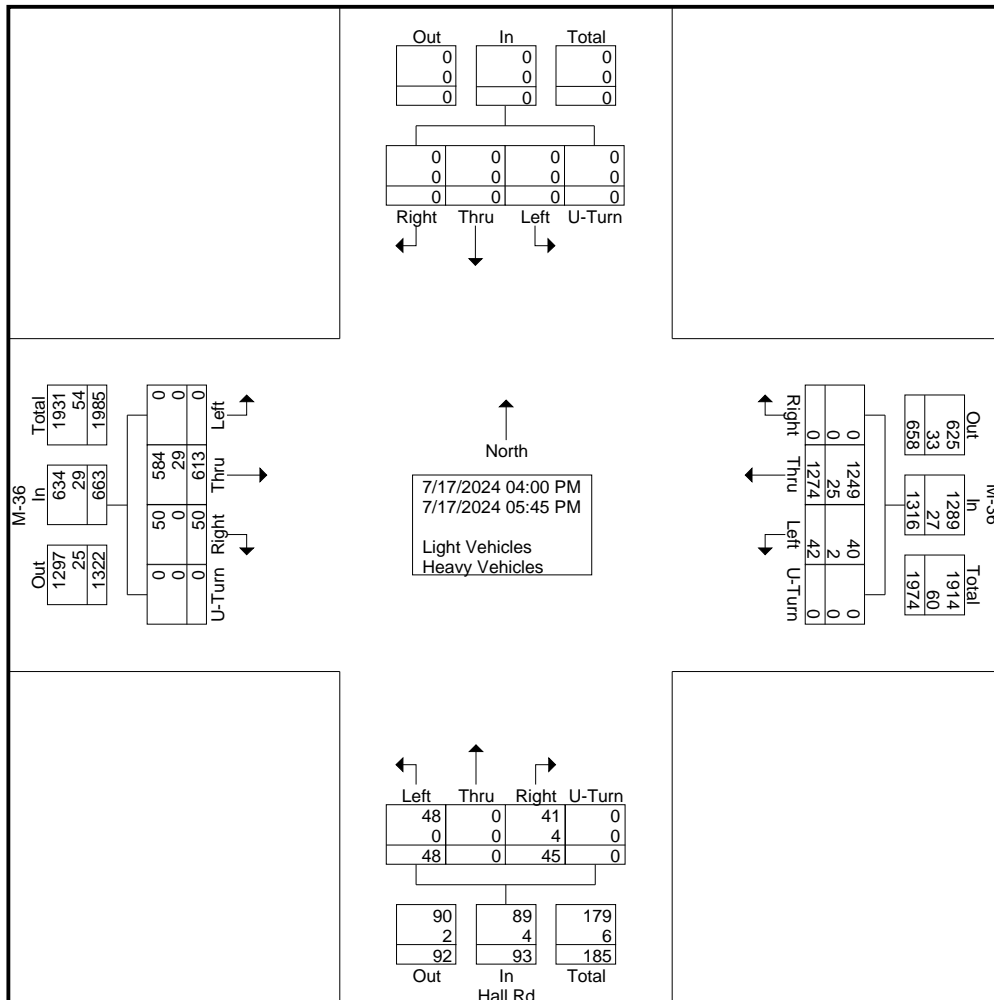
Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					Southbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 08:00 AM																						
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:45 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Total Volume	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
% App. Total	0	0	0	100		0	0	0	0		0	0	0	0		0	0	0	100			
PHF	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.250	.250	





Groups Printed- Light Vehicles - Heavy Vehicles

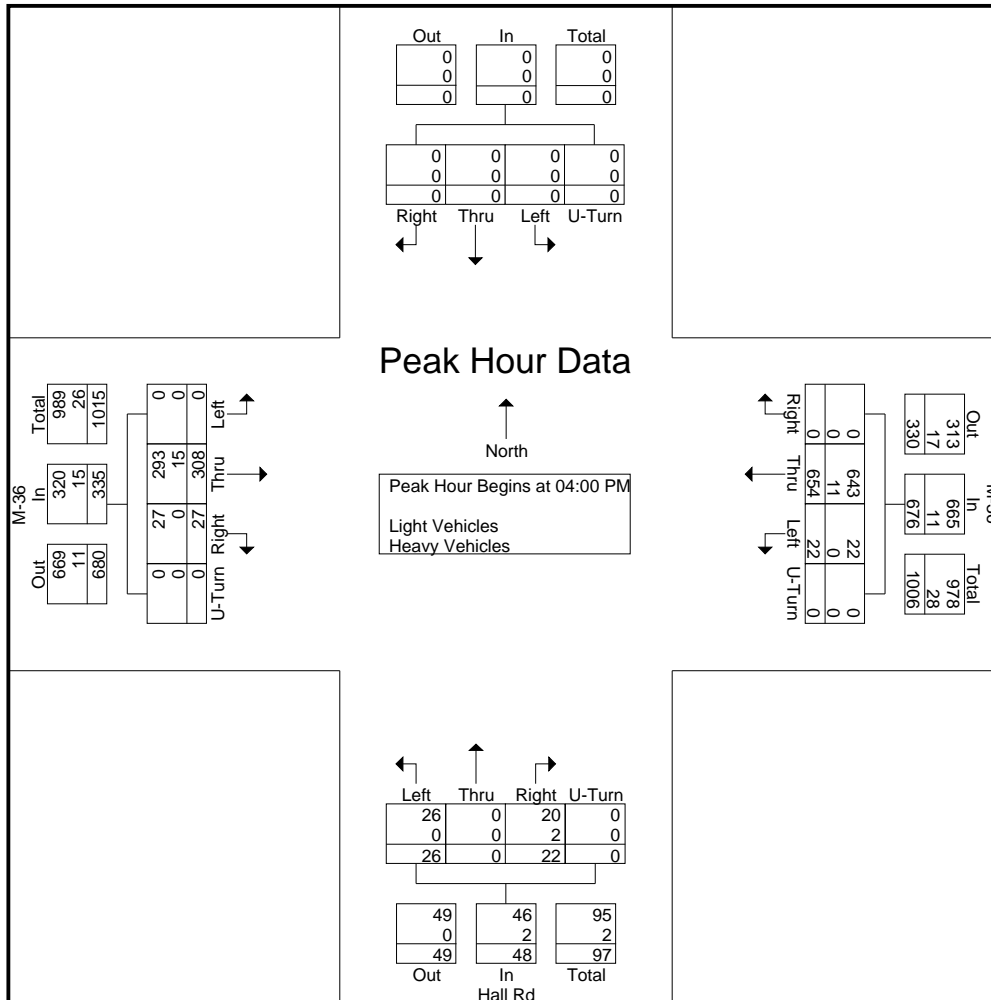
Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
04:00 PM	0	80	8	0	88	5	178	0	0	183	7	0	9	0	16	0	0	0	0	0	287
04:15 PM	0	92	5	0	97	10	142	0	0	152	7	0	5	0	12	0	0	0	0	0	261
04:30 PM	0	64	6	0	70	2	169	0	0	171	2	0	4	0	6	0	0	0	0	0	247
04:45 PM	0	72	8	0	80	5	165	0	0	170	10	0	4	0	14	0	0	0	0	0	264
Total	0	308	27	0	335	22	654	0	0	676	26	0	22	0	48	0	0	0	0	0	1059
05:00 PM	0	73	5	0	78	5	165	0	0	170	5	0	3	0	8	0	0	0	0	0	256
05:15 PM	0	82	5	0	87	1	152	0	0	153	8	0	7	0	15	0	0	0	0	0	255
05:30 PM	0	81	6	0	87	9	170	0	0	179	4	0	8	0	12	0	0	0	0	0	278
05:45 PM	0	69	7	0	76	5	133	0	0	138	5	0	5	0	10	0	0	0	0	0	224
Total	0	305	23	0	328	20	620	0	0	640	22	0	23	0	45	0	0	0	0	0	1013
Grand Total	0	613	50	0	663	42	1274	0	0	1316	48	0	45	0	93	0	0	0	0	0	2072
Apprch %	0	92.5	7.5	0		3.2	96.8	0	0		51.6	0	48.4	0		0	0	0	0		
Total %	0	29.6	2.4	0	32	2	61.5	0	0	63.5	2.3	0	2.2	0	4.5	0	0	0	0	0	
Light Vehicles	0	584	50	0	634	40	1249	0	0	1289	48	0	41	0	89	0	0	0	0	0	2012
% Light Vehicles	0	95.3	100	0	95.6	95.2	98	0	0	97.9	100	0	91.1	0	95.7	0	0	0	0	0	97.1
Heavy Vehicles	0	29	0	0	29	2	25	0	0	27	0	0	4	0	4	0	0	0	0	0	60
% Heavy Vehicles	0	4.7	0	0	4.4	4.8	2	0	0	2.1	0	0	8.9	0	4.3	0	0	0	0	0	2.9





TRUE DATA TO IMPROVE MOBILITY

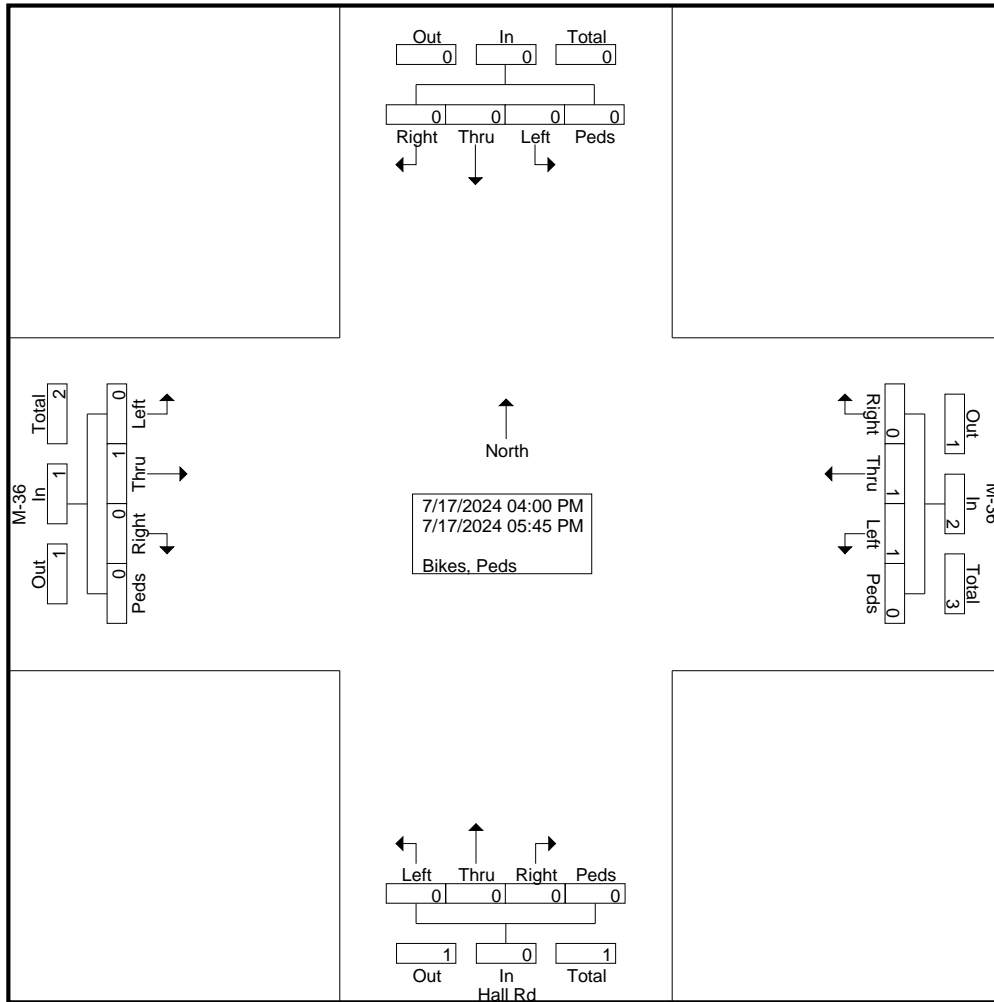
Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					Southbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	80	8	0	88	5	178	0	0	183	7	0	9	0	16	0	0	0	0	0	287
04:15 PM	0	92	5	0	97	10	142	0	0	152	7	0	5	0	12	0	0	0	0	0	261
04:30 PM	0	64	6	0	70	2	169	0	0	171	2	0	4	0	6	0	0	0	0	0	247
04:45 PM	0	72	8	0	80	5	165	0	0	170	10	0	4	0	14	0	0	0	0	0	264
Total Volume	0	308	27	0	335	22	654	0	0	676	26	0	22	0	48	0	0	0	0	0	1059
% App. Total	0	91.9	8.1	0		3.3	96.7	0	0		54.2	0	45.8	0		0	0	0	0		
PHF	.000	.837	.844	.000	.863	.550	.919	.000	.000	.923	.650	.000	.611	.000	.750	.000	.000	.000	.000	.000	.922
Light Vehicles	0	293	27	0	320	22	643	0	0	665	26	0	20	0	46	0	0	0	0	0	1031
% Light Vehicles	0	95.1	100	0	95.5	100	98.3	0	0	98.4	100	0	90.9	0	95.8	0	0	0	0	0	97.4
Heavy Vehicles	0	15	0	0	15	0	11	0	0	11	0	0	2	0	2	0	0	0	0	0	28
% Heavy Vehicles	0	4.9	0	0	4.5	0	1.7	0	0	1.6	0	0	9.1	0	4.2	0	0	0	0	0	2.6





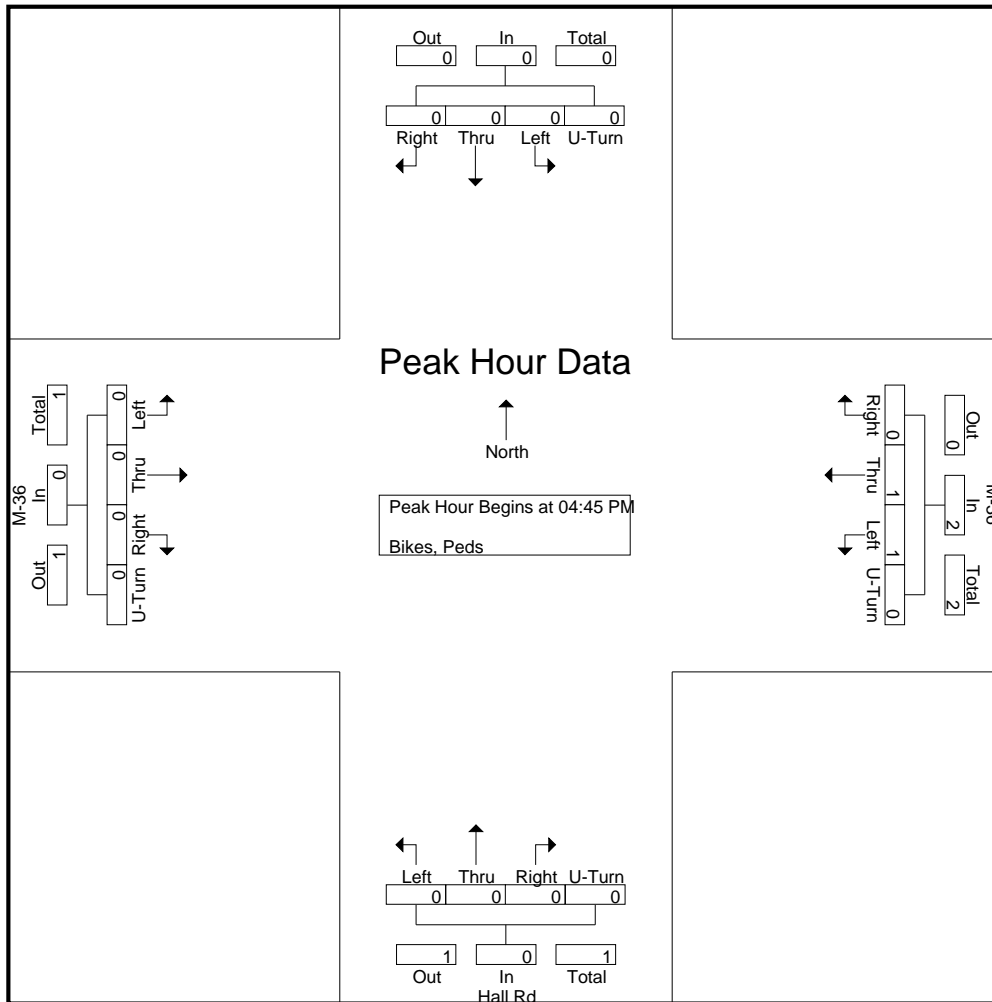
Groups Printed- Bikes, Peds

Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					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	1	0	0	1	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	1	0	0	0	1	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	1	0	0	1	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	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	1	0	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	3
Apprch %	0	100	0	0		50	50	0	0		0	0	0	0		0	0	0	0		
Total %	0	33.3	0	0	33.3	33.3	33.3	0	0	66.7	0	0	0	0	0	0	0	0	0	0	





Start Time	M-36 Eastbound					M-36 Westbound					Hall Rd Northbound					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 04:45 PM																					
04:45 PM	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	2
% App. Total	0	0	0	0	0	50	50	0	0		0	0	0	0		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.250	.250	.000	.000	.500	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.500



Search... 

Crash and Road Data

Road Segment Report

Hamburg Rd, (PR Number 932903)

From:	Hamburg Rd 0.000 BMP
To:	MI State Road 36 E 0.100 EMP
Jurisdiction:	County
FALINK ID:	5278
Community:	Hamburg Township
County:	Livingston
Functional Class:	5 - Major Collector
Direction:	2 Way
Length:	0.100 miles
Number of Lanes:	2
Posted Speed:	45 (source: TCO)
Route Classification:	Not a route
Annual Crash Average 2018-2022:	<u>0</u>
Traffic Volume (2022)*:	3,500 (Default AADT)
Pavement Type (2022):	Asphalt
Pavement Rating (2022):	Good

* AADT values are derived from Traffic Counts

Street View



Search... 

Crash and Road Data

Road Segment Report

M 36, (PR Number 932903)

From:	MI State Road 36 E 0.100 BMP
To:	MI State Road 36 E 0.726 EMP
Jurisdiction:	State
FALINK ID:	5279
Community:	Green Oak Township , Hamburg Township
County:	Livingston
Functional Class:	4 - Minor Arterial
Direction:	2 Way
Length:	0.626 miles
Number of Lanes:	2
Posted Speed:	45 (source: TCO)
Route Classification:	M-36
Annual Crash Average 2018-2022:	0
Traffic Volume (2022)*:	9,300 (Default AADT)
Pavement Type (2022):	Asphalt
Pavement Rating (2022):	Poor

* AADT values are derived from **Traffic Counts**

Street View



[Home](#)
[Locate](#)
[Locate All](#)
[Email This](#)
 Auto-Locate:

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	47-0359				MPO ID	1353				
Type	SPOT				HPMS ID					
On NHS	No				On HPMS	No				
LRS ID	0932906				LRS Loc Pt.	1.392353				
SF Group	Local Road				Route Type					
AF Group	NoFactor				Route					
GF Group	Local Road				Active	Yes				
Class Dist Grp	NTL_7				Category					
Seas Clss Grp										
WIM Group										
QC Group	Default									
Funct'l Class	(7) Local Road or Street				Milepost					
Located On	Hall Rd									
Loc On Alias										
BETWEEN	Strawberry Lake Rd AND M 59									
More Detail										

STATION DATA

Directions: [2-WAY](#) [NB](#) [SB](#)

AADT								
Year	AADT	DHV-30	K %	D %	PA	BC	Src	
2023	592	52	9		562 (95%)	30 (5%)		
2022	972 ³		11		923 (95%)	49 (5%)	Grown from 2021	
2021	981 ³		11		829 (85%)	152 (15%)	Grown from 2020	
2020	874	93	11		788 (90%)	86 (10%)		

VOLUME COUNT			
	Date	Int	Total
	Tue 5/23/2023	60	601
	Wed 6/3/2020	60	874

VOLUME TREND	
Year	Annual Growth
2023	-39%
2022	-1%
2021	12%

CLASSIFICATION			
	Date	Int	Total
No Data			

NOTES/FILES		
	Note	Date

Search... 

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

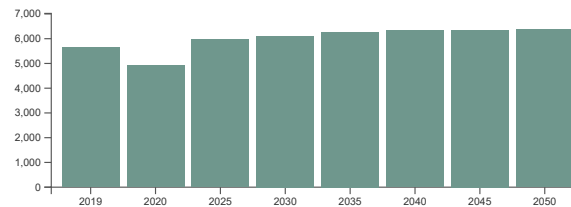
[VIEW COMMUNITY EXPLORER MAP](#)

[VIEW 2020 CENSUS MAP](#)

Economy & Jobs

Link to American Community Survey (ACS) Profiles: **Select a Year** **Economic
Historic Population and Employment by Minor Civil Division, Southeast Michigan**

Forecasted 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

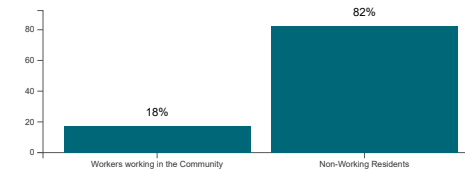
Forecasted Jobs By Industry Sector	2019	2020	2025	2030	2035	2040	2045	2050	Change 2019-2050	Pct Change 2019-2050
Natural Resources, Mining, & Construction	627	581	786	808	807	786	776	770	143	22.8%
Manufacturing	402	370	419	416	403	389	366	342	-60	-14.9%
Wholesale Trade	89	84	94	107	113	112	113	112	23	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 2022
Workers working in the Community	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: 2018-2022 American Community Survey 5-Year Estimates. 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.

Search... 

Community Profiles

YOU ARE VIEWING DATA FOR:

Hamburg Township

10405 Merrill Rd
Hamburg, MI 48139-0157
<https://www.hamburg.mi.us/>



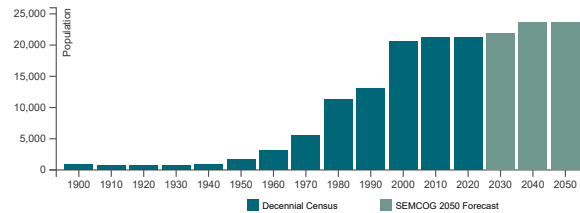
Census 2020 Population: 21,259
Area: 36 square miles

- [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
Historic Population and Employment by Minor Civil Division, Southeast Michigan

Population Forecast



Population and Households

Population and Households	ACS 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, 2018-2022 American Community Survey 5-Year Estimates, and SEMCOG 2050 Regional Development Forecast

Components of Population Change

Components of Population Change	2010-2020 Avg.	2020-2022 Avg.
Natural Increase (Births - Deaths)	17	5
Births	150	166
Deaths	133	161
Net Migration (Movement In - Movement Out)	-8	73
Population Change (Natural Increase + Net Migration)	9	78

Source: Michigan Department of Community Health Vital Statistics, U.S. Census Bureau, and SEMCOG

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 intersection, and the number of vehicles in the queue at the intersection. The average total delay for any particular movement is a function of the number of vehicles in queue, the number of vehicles in the intersection, and the number of vehicles in the queue at the intersection.

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

1: Hamburg Road & M-36 Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.4	0.0	0.4
Denied Del/Veh (s)	0.1	0.1	0.0	0.1	3.3	0.9	1.8
Total Delay (hr)	0.1	0.1	0.0	0.1	1.3	0.0	1.6
Total Del/Veh (s)	9.3	7.1	0.8	0.8	10.7	3.4	6.8

HCM 6th TWSC
2: Learning Lane/Church Drive & M-36

Intersection												
Int Delay, s/veh	0											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	506	0	0	292	0	0	0	0	0	0	0
Future Vol, veh/h	0	506	0	0	292	0	0	0	0	0	0	0
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	87	87	78	78	92	92	92	92	92	92	92
Heavy Vehicles, %	2	5	5	17	17	2	2	2	2	2	2	2
Mvmt Flow	0	582	0	0	374	0	0	0	0	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	374	0	0	582	0	0	956	956	582	956	956	374
Stage 1	-	-	-	-	-	-	582	582	-	374	374	-
Stage 2	-	-	-	-	-	-	374	374	-	582	582	-
Critical Hdwy	4.12	-	-	4.27	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.353	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1184	-	-	922	-	-	238	258	513	238	258	672
Stage 1	-	-	-	-	-	-	499	499	-	647	618	-
Stage 2	-	-	-	-	-	-	647	618	-	499	499	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1184	-	-	922	-	-	238	258	513	238	258	672
Mov Cap-2 Maneuver	-	-	-	-	-	-	238	258	-	238	258	-
Stage 1	-	-	-	-	-	-	499	499	-	647	618	-
Stage 2	-	-	-	-	-	-	647	618	-	499	499	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0			0			0		
HCM LOS							A			A		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1184	-	-	922	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-	-
HCM Control Delay (s)	0	0	-	-	0	-	-	0
HCM Lane LOS	A	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	-

Intersection						
Int Delay, s/veh	1.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	497	9	5	277	15	33
Future Vol, veh/h	497	9	5	277	15	33
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	84	84	78	78	63	63
Heavy Vehicles, %	7	7	22	22	8	8
Mvmt Flow	592	11	6	355	24	52

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	603	0	965 598
Stage 1	-	-	-	-	598 -
Stage 2	-	-	-	-	367 -
Critical Hdwy	-	-	4.32	-	6.48 6.28
Critical Hdwy Stg 1	-	-	-	-	5.48 -
Critical Hdwy Stg 2	-	-	-	-	5.48 -
Follow-up Hdwy	-	-	2.398	-	3.572 3.372
Pot Cap-1 Maneuver	-	-	884	-	276 491
Stage 1	-	-	-	-	538 -
Stage 2	-	-	-	-	688 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	884	-	274 491
Mov Cap-2 Maneuver	-	-	-	-	274 -
Stage 1	-	-	-	-	538 -
Stage 2	-	-	-	-	682 -

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	16.3
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	394	-	-	884	-
HCM Lane V/C Ratio	0.193	-	-	0.007	-
HCM Control Delay (s)	16.3	-	-	9.1	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.7	-	-	0	-

1: Hamburg Road & M-36 Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.3	0.0	0.3
Denied Del/Veh (s)	0.2	0.2	0.0	0.0	3.2	0.8	0.9
Total Delay (hr)	1.0	0.4	0.0	0.4	1.3	0.1	3.2
Total Del/Veh (s)	40.1	28.0	1.4	2.0	15.1	4.9	9.3

HCM 6th TWSC
2: Learning Lane/Church Drive & M-36

Intersection												
Int Delay, s/veh	0.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	3	359	0	0	710	0	0	0	0	1	0	3
Future Vol, veh/h	3	359	0	0	710	0	0	0	0	1	0	3
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	89	89	93	93	92	92	92	92	92	92	92
Heavy Vehicles, %	2	4	4	1	1	2	2	2	2	2	2	2
Mvmt Flow	3	403	0	0	763	0	0	0	0	1	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	763	0	0	403	0	0	1174	1172	403	1172	1172	763
Stage 1	-	-	-	-	-	-	409	409	-	763	763	-
Stage 2	-	-	-	-	-	-	765	763	-	409	409	-
Critical Hdwy	4.12	-	-	4.11	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.209	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	850	-	-	1161	-	-	169	192	647	169	192	404
Stage 1	-	-	-	-	-	-	619	596	-	397	413	-
Stage 2	-	-	-	-	-	-	396	413	-	619	596	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	850	-	-	1161	-	-	167	191	647	168	191	404
Mov Cap-2 Maneuver	-	-	-	-	-	-	167	191	-	168	191	-
Stage 1	-	-	-	-	-	-	616	593	-	395	413	-
Stage 2	-	-	-	-	-	-	393	413	-	616	593	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			0			0			17.2		
HCM LOS							A			C		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	850	-	-	1161	-	-	299
HCM Lane V/C Ratio	-	0.004	-	-	-	-	-	0.015
HCM Control Delay (s)	0	9.3	0	-	0	-	-	17.2
HCM Lane LOS	A	A	A	-	A	-	-	C
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0

Intersection						
Int Delay, s/veh	1.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	333	27	22	684	26	22
Future Vol, veh/h	333	27	22	684	26	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	92	92	75	75
Heavy Vehicles, %	5	5	2	2	4	4
Mvmt Flow	387	31	24	743	35	29

Major/Minor	Major1	Major2	Minor1	Minor2	Minor3
Conflicting Flow All	0	0	418	0	1194
Stage 1	-	-	-	-	403
Stage 2	-	-	-	-	791
Critical Hdwy	-	-	4.12	-	6.44
Critical Hdwy Stg 1	-	-	-	-	5.44
Critical Hdwy Stg 2	-	-	-	-	5.44
Follow-up Hdwy	-	-	2.218	-	3.536
Pot Cap-1 Maneuver	-	-	1141	-	204
Stage 1	-	-	-	-	671
Stage 2	-	-	-	-	443
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1141	-	197
Mov Cap-2 Maneuver	-	-	-	-	197
Stage 1	-	-	-	-	671
Stage 2	-	-	-	-	427

Approach	EB	WB	NB
HCM Control Delay, s	0	0.3	21
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	289	-	-	1141	-
HCM Lane V/C Ratio	0.221	-	-	0.021	-
HCM Control Delay (s)	21	-	-	8.2	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.8	-	-	0.1	-

Intersection: 1: Hamburg Road & M-36

Movement	EB	SB	SB
Directions Served	LT	L	R
Maximum Queue (ft)	100	222	54
Average Queue (ft)	44	85	13
95th Queue (ft)	80	163	36
Link Distance (ft)	713		1264
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		1000	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 2: Learning Lane/Church Drive & M-36

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 3: Hall Road & M-36

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	30	66
Average Queue (ft)	2	26
95th Queue (ft)	14	53
Link Distance (ft)	695	515
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Intersection: 1: Hamburg Road & M-36

Movement	EB	WB	SB	SB
Directions Served	LT	R	L	R
Maximum Queue (ft)	246	21	204	57
Average Queue (ft)	85	1	77	24
95th Queue (ft)	180	10	171	45
Link Distance (ft)	713			1264
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		200	1000	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: Learning Lane/Church Drive & M-36

Movement	EB	SB
Directions Served	LTR	LTR
Maximum Queue (ft)	30	31
Average Queue (ft)	2	4
95th Queue (ft)	16	21
Link Distance (ft)	575	296
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Hall Road & M-36

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	47	67
Average Queue (ft)	4	27
95th Queue (ft)	24	55
Link Distance (ft)	695	515
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 0

Intersection	
Intersection Delay, s/veh	32.5
Intersection LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕		↕	↕	
Traffic Vol, veh/h	47	44	3	8	39	259	3	12	21	472	13	27
Future Vol, veh/h	47	44	3	8	39	259	3	12	21	472	13	27
Peak Hour Factor	0.86	0.86	0.86	0.83	0.83	0.83	0.92	0.92	0.92	0.93	0.93	0.93
Heavy Vehicles, %	16	16	16	18	18	18	2	2	2	7	7	7
Mvmt Flow	55	51	3	10	47	312	3	13	23	508	14	29
Number of Lanes	0	1	0	0	1	1	0	1	0	1	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	1	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	2	2	1
HCM Control Delay	12.9	15.6	10.6	49.2
HCM LOS	B	C	B	E

Lane	NBLn1	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	8%	50%	17%	0%	100%	0%
Vol Thru, %	33%	47%	83%	0%	0%	32%
Vol Right, %	58%	3%	0%	100%	0%	68%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	36	94	47	259	472	40
LT Vol	3	47	8	0	472	0
Through Vol	12	44	39	0	0	13
RT Vol	21	3	0	259	0	27
Lane Flow Rate	39	109	57	312	508	43
Geometry Grp	6	6	7	7	7	7
Degree of Util (X)	0.076	0.232	0.112	0.547	0.947	0.068
Departure Headway (Hd)	6.996	7.647	7.108	6.31	6.715	5.731
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	515	472	501	568	538	622
Service Time	5.004	5.647	4.894	4.095	4.478	3.493
HCM Lane V/C Ratio	0.076	0.231	0.114	0.549	0.944	0.069
HCM Control Delay	10.6	12.9	10.8	16.5	52.6	8.9
HCM Lane LOS	B	B	B	C	F	A
HCM 95th-tile Q	0.2	0.9	0.4	3.3	12.1	0.2

HCM 6th TWSC
2: Learning Lane/Church Drive & M-36

Intersection												
Int Delay, s/veh	0											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	537	0	0	306	0	0	0	0	0	0	0
Future Vol, veh/h	0	537	0	0	306	0	0	0	0	0	0	0
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	87	87	78	78	92	92	92	92	92	92	92
Heavy Vehicles, %	2	5	5	17	17	2	2	2	2	2	2	2
Mvmt Flow	0	617	0	0	392	0	0	0	0	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	392	0	0	617	0	0	1009	1009	617	1009	1009	392
Stage 1	-	-	-	-	-	-	617	617	-	392	392	-
Stage 2	-	-	-	-	-	-	392	392	-	617	617	-
Critical Hdwy	4.12	-	-	4.27	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.353	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1167	-	-	894	-	-	219	240	490	219	240	657
Stage 1	-	-	-	-	-	-	477	481	-	633	606	-
Stage 2	-	-	-	-	-	-	633	606	-	477	481	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1167	-	-	894	-	-	219	240	490	219	240	657
Mov Cap-2 Maneuver	-	-	-	-	-	-	219	240	-	219	240	-
Stage 1	-	-	-	-	-	-	477	481	-	633	606	-
Stage 2	-	-	-	-	-	-	633	606	-	477	481	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0			0			0		
HCM LOS							A			A		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1167	-	-	894	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-	-
HCM Control Delay (s)	0	0	-	-	0	-	-	0
HCM Lane LOS		A	A	-	-	A	-	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	-

Intersection						
Int Delay, s/veh	1.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	528	9	5	291	15	34
Future Vol, veh/h	528	9	5	291	15	34
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	84	84	78	78	63	63
Heavy Vehicles, %	7	7	22	22	8	8
Mvmt Flow	629	11	6	373	24	54

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	640	0	1020 635
Stage 1	-	-	-	-	635 -
Stage 2	-	-	-	-	385 -
Critical Hdwy	-	-	4.32	-	6.48 6.28
Critical Hdwy Stg 1	-	-	-	-	5.48 -
Critical Hdwy Stg 2	-	-	-	-	5.48 -
Follow-up Hdwy	-	-	2.398	-	3.572 3.372
Pot Cap-1 Maneuver	-	-	855	-	256 468
Stage 1	-	-	-	-	517 -
Stage 2	-	-	-	-	675 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	855	-	254 468
Mov Cap-2 Maneuver	-	-	-	-	254 -
Stage 1	-	-	-	-	517 -
Stage 2	-	-	-	-	669 -

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	17.2
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	372	-	-	855	-
HCM Lane V/C Ratio	0.209	-	-	0.007	-
HCM Control Delay (s)	17.2	-	-	9.2	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.8	-	-	0	-

Intersection	
Intersection Delay, s/veh	64.8
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕		↕	↕	
Traffic Vol, veh/h	84	51	2	18	60	667	3	14	6	318	10	77
Future Vol, veh/h	84	51	2	18	60	667	3	14	6	318	10	77
Peak Hour Factor	0.89	0.89	0.89	0.93	0.93	0.93	0.92	0.92	0.92	0.91	0.91	0.91
Heavy Vehicles, %	7	7	7	1	1	1	2	2	2	3	3	3
Mvmt Flow	94	57	2	19	65	717	3	15	7	349	11	85
Number of Lanes	0	1	0	0	1	1	0	1	0	1	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	1	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	2	2	1
HCM Control Delay	14.3	98.6	11.9	24.3
HCM LOS	B	F	B	C

Lane	NBLn1	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	13%	61%	23%	0%	100%	0%
Vol Thru, %	61%	37%	77%	0%	0%	11%
Vol Right, %	26%	1%	0%	100%	0%	89%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	23	137	78	667	318	87
LT Vol	3	84	18	0	318	0
Through Vol	14	51	60	0	0	10
RT Vol	6	2	0	667	0	77
Lane Flow Rate	25	154	84	717	349	96
Geometry Grp	6	6	7	7	7	7
Degree of Util (X)	0.055	0.318	0.154	1.156	0.717	0.169
Departure Headway (Hd)	8.413	7.731	6.631	5.802	7.845	6.701
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	428	468	543	631	465	538
Service Time	6.413	5.731	4.342	3.513	5.545	4.401
HCM Lane V/C Ratio	0.058	0.329	0.155	1.136	0.751	0.178
HCM Control Delay	11.9	14.3	10.5	108.9	28	10.8
HCM Lane LOS	B	B	B	F	D	B
HCM 95th-tile Q	0.2	1.4	0.5	23.5	5.6	0.6

Intersection												
Int Delay, s/veh	0.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	3	372	0	0	742	0	0	0	0	1	0	3
Future Vol, veh/h	3	372	0	0	742	0	0	0	0	1	0	3
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	89	89	93	93	92	92	92	92	92	92	92
Heavy Vehicles, %	2	4	4	1	1	2	2	2	2	2	2	2
Mvmt Flow	3	418	0	0	798	0	0	0	0	1	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	798	0	0	418	0	0	1224	1222	418	1222	1222	798
Stage 1	-	-	-	-	-	-	424	424	-	798	798	-
Stage 2	-	-	-	-	-	-	800	798	-	424	424	-
Critical Hdwy	4.12	-	-	4.11	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.209	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	824	-	-	1146	-	-	156	180	635	156	180	386
Stage 1	-	-	-	-	-	-	608	587	-	380	398	-
Stage 2	-	-	-	-	-	-	379	398	-	608	587	-
Platoon blocked, %		-	-	-	-	-						
Mov Cap-1 Maneuver	824	-	-	1146	-	-	154	179	635	155	179	386
Mov Cap-2 Maneuver	-	-	-	-	-	-	154	179	-	155	179	-
Stage 1	-	-	-	-	-	-	605	584	-	378	398	-
Stage 2	-	-	-	-	-	-	376	398	-	605	584	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			0			0			18		
HCM LOS							A			C		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	824	-	-	1146	-	-	281
HCM Lane V/C Ratio	-	0.004	-	-	-	-	-	0.015
HCM Control Delay (s)	0	9.4	0	-	0	-	-	18
HCM Lane LOS	A	A	A	-	A	-	-	C
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0

Intersection						
Int Delay, s/veh	1.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	345	28	22	715	27	22
Future Vol, veh/h	345	28	22	715	27	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	92	92	75	75
Heavy Vehicles, %	5	5	2	2	4	4
Mvmt Flow	401	33	24	777	36	29

Major/Minor	Major1	Major2	Minor1	Minor2	Minor3
Conflicting Flow All	0	0	434	0	1243
Stage 1	-	-	-	-	418
Stage 2	-	-	-	-	825
Critical Hdwy	-	-	4.12	-	6.44
Critical Hdwy Stg 1	-	-	-	-	5.44
Critical Hdwy Stg 2	-	-	-	-	5.44
Follow-up Hdwy	-	-	2.218	-	3.536
Pot Cap-1 Maneuver	-	-	1126	-	191
Stage 1	-	-	-	-	660
Stage 2	-	-	-	-	427
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1126	-	184
Mov Cap-2 Maneuver	-	-	-	-	184
Stage 1	-	-	-	-	660
Stage 2	-	-	-	-	411

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	22.5
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	270	-	-	1126	-
HCM Lane V/C Ratio	0.242	-	-	0.021	-
HCM Control Delay (s)	22.5	-	-	8.3	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.9	-	-	0.1	-

Intersection: 1: Driveway & Hamburg Road & M-36

Movement	EB	WB	WB	NB	SB	SB
Directions Served	LTR	LT	R	LTR	L	TR
Maximum Queue (ft)	96	79	137	50	167	49
Average Queue (ft)	44	31	67	23	85	18
95th Queue (ft)	77	63	109	48	142	39
Link Distance (ft)	713	575		491	1264	1264
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			200			
Storage Blk Time (%)			0			
Queuing Penalty (veh)			0			

Intersection: 2: Learning Lane/Church Drive & M-36

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 3: Hall Road & M-36

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	35	61
Average Queue (ft)	2	23
95th Queue (ft)	16	51
Link Distance (ft)	695	515
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Intersection: 1: Driveway & Hamburg Road & M-36

Movement	EB	WB	WB	NB	SB	SB
Directions Served	LTR	LT	R	LTR	L	TR
Maximum Queue (ft)	81	226	316	40	112	51
Average Queue (ft)	47	42	152	16	56	22
95th Queue (ft)	73	157	283	42	90	40
Link Distance (ft)	713	575		491	1264	1264
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			200			
Storage Blk Time (%)			10			
Queuing Penalty (veh)			8			

Intersection: 2: Learning Lane/Church Drive & M-36

Movement	EB	SB
Directions Served	LTR	LTR
Maximum Queue (ft)	49	31
Average Queue (ft)	3	4
95th Queue (ft)	24	22
Link Distance (ft)	575	296
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Hall Road & M-36

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	6	52	61
Average Queue (ft)	0	6	25
95th Queue (ft)	0	32	50
Link Distance (ft)	658	695	515
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 8

Intersection	
Intersection Delay, s/veh	36
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕		↕	↕	
Traffic Vol, veh/h	47	46	3	8	44	281	3	12	21	479	13	27
Future Vol, veh/h	47	46	3	8	44	281	3	12	21	479	13	27
Peak Hour Factor	0.86	0.86	0.86	0.83	0.83	0.83	0.92	0.92	0.92	0.93	0.93	0.93
Heavy Vehicles, %	16	16	16	18	18	18	2	2	2	7	7	7
Mvmt Flow	55	53	3	10	53	339	3	13	23	515	14	29
Number of Lanes	0	1	0	0	1	1	0	1	0	1	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	1	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	2	2	1
HCM Control Delay	13.2	17.2	10.8	55.8
HCM LOS	B	C	B	F

Lane	NBLn1	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	8%	49%	15%	0%	100%	0%
Vol Thru, %	33%	48%	85%	0%	0%	32%
Vol Right, %	58%	3%	0%	100%	0%	68%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	36	96	52	281	479	40
LT Vol	3	47	8	0	479	0
Through Vol	12	46	44	0	0	13
RT Vol	21	3	0	281	0	27
Lane Flow Rate	39	112	63	339	515	43
Geometry Grp	6	6	7	7	7	7
Degree of Util (X)	0.078	0.241	0.125	0.599	0.977	0.07
Departure Headway (Hd)	7.184	7.782	7.164	6.373	6.83	5.845
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	501	464	497	562	531	609
Service Time	5.191	5.784	4.961	4.17	4.598	3.612
HCM Lane V/C Ratio	0.078	0.241	0.127	0.603	0.97	0.071
HCM Control Delay	10.8	13.2	11	18.4	59.7	9.1
HCM Lane LOS	B	B	B	C	F	A
HCM 95th-tile Q	0.3	0.9	0.4	3.9	13.1	0.2

HCM 6th TWSC
2: Learning Lane/Church Drive & M-36

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	537	9	12	306	0	27	0	39	0	0	0
Future Vol, veh/h	0	537	9	12	306	0	27	0	39	0	0	0
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	87	87	78	78	92	92	92	92	92	92	92
Heavy Vehicles, %	2	5	5	17	17	2	2	2	2	2	2	2
Mvmt Flow	0	617	10	15	392	0	29	0	42	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	392	0	0	627	0	0	1044	1044	622	1065	1049	392
Stage 1	-	-	-	-	-	-	622	622	-	422	422	-
Stage 2	-	-	-	-	-	-	422	422	-	643	627	-
Critical Hdwy	4.12	-	-	4.27	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.353	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1167	-	-	886	-	-	207	229	487	200	227	657
Stage 1	-	-	-	-	-	-	474	479	-	609	588	-
Stage 2	-	-	-	-	-	-	609	588	-	462	476	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1167	-	-	886	-	-	203	224	487	180	222	657
Mov Cap-2 Maneuver	-	-	-	-	-	-	203	224	-	180	222	-
Stage 1	-	-	-	-	-	-	474	479	-	609	575	-
Stage 2	-	-	-	-	-	-	596	575	-	422	476	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0.3			20.1			0		
HCM LOS							C			A		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	310	1167	-	-	886	-	-	-
HCM Lane V/C Ratio	0.231	-	-	-	0.017	-	-	-
HCM Control Delay (s)	20.1	0	-	-	9.1	0	-	0
HCM Lane LOS	C	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	0.9	0	-	-	0.1	-	-	-

Intersection						
Int Delay, s/veh	1.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	566	10	5	303	15	34
Future Vol, veh/h	566	10	5	303	15	34
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	84	84	78	78	63	63
Heavy Vehicles, %	7	7	22	22	8	8
Mvmt Flow	674	12	6	388	24	54

Major/Minor	Major1	Major2	Minor1	Minor2	Minor3
Conflicting Flow All	0	0	686	0	1080
Stage 1	-	-	-	-	680
Stage 2	-	-	-	-	400
Critical Hdwy	-	-	4.32	-	6.48
Critical Hdwy Stg 1	-	-	-	-	5.48
Critical Hdwy Stg 2	-	-	-	-	5.48
Follow-up Hdwy	-	-	2.398	-	3.572
Pot Cap-1 Maneuver	-	-	821	-	235
Stage 1	-	-	-	-	492
Stage 2	-	-	-	-	664
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	821	-	233
Mov Cap-2 Maneuver	-	-	-	-	233
Stage 1	-	-	-	-	492
Stage 2	-	-	-	-	658

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	18.4
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	346	-	-	821	-
HCM Lane V/C Ratio	0.225	-	-	0.008	-
HCM Control Delay (s)	18.4	-	-	9.4	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.8	-	-	0	-

Intersection	
Intersection Delay, s/veh	74.5
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕		↕	↕	
Traffic Vol, veh/h	84	58	2	18	64	679	3	14	6	339	10	77
Future Vol, veh/h	84	58	2	18	64	679	3	14	6	339	10	77
Peak Hour Factor	0.89	0.89	0.89	0.93	0.93	0.93	0.92	0.92	0.92	0.91	0.91	0.91
Heavy Vehicles, %	7	7	7	1	1	1	2	2	2	3	3	3
Mvmt Flow	94	65	2	19	69	730	3	15	7	373	11	85
Number of Lanes	0	1	0	0	1	1	0	1	0	1	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	1	2	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	2	1	1	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	2	2	1
HCM Control Delay	14.9	114.6	12.1	28.3
HCM LOS	B	F	B	D

Lane	NBLn1	EBLn1	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	13%	58%	22%	0%	100%	0%
Vol Thru, %	61%	40%	78%	0%	0%	11%
Vol Right, %	26%	1%	0%	100%	0%	89%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	23	144	82	679	339	87
LT Vol	3	84	18	0	339	0
Through Vol	14	58	64	0	0	10
RT Vol	6	2	0	679	0	77
Lane Flow Rate	25	162	88	730	373	96
Geometry Grp	6	6	7	7	7	7
Degree of Util (X)	0.056	0.339	0.165	1.203	0.772	0.168
Departure Headway (Hd)	8.637	7.891	6.756	5.933	7.95	6.805
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	417	458	533	613	458	531
Service Time	6.637	5.891	4.465	3.641	5.65	4.505
HCM Lane V/C Ratio	0.06	0.354	0.165	1.191	0.814	0.181
HCM Control Delay	12.1	14.9	10.8	127.1	32.8	10.9
HCM Lane LOS	B	B	B	F	D	B
HCM 95th-tile Q	0.2	1.5	0.6	25.9	6.7	0.6

HCM 6th TWSC
2: Learning Lane/Church Drive & M-36

Intersection												
Int Delay, s/veh	1.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	3	372	28	41	742	0	16	0	25	1	0	3
Future Vol, veh/h	3	372	28	41	742	0	16	0	25	1	0	3
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	89	89	93	93	92	92	92	92	92	92	92
Heavy Vehicles, %	2	4	4	1	1	2	2	2	2	2	2	2
Mvmt Flow	3	418	31	44	798	0	17	0	27	1	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	798	0	0	449	0	0	1328	1326	434	1339	1341	798
Stage 1	-	-	-	-	-	-	440	440	-	886	886	-
Stage 2	-	-	-	-	-	-	888	886	-	453	455	-
Critical Hdwy	4.12	-	-	4.11	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.209	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	824	-	-	1117	-	-	132	156	622	130	152	386
Stage 1	-	-	-	-	-	-	596	578	-	339	363	-
Stage 2	-	-	-	-	-	-	338	363	-	586	569	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	824	-	-	1117	-	-	123	144	622	117	140	386
Mov Cap-2 Maneuver	-	-	-	-	-	-	123	144	-	117	140	-
Stage 1	-	-	-	-	-	-	593	575	-	337	337	-
Stage 2	-	-	-	-	-	-	311	337	-	558	566	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			0.4			23.3			20		
HCM LOS							C			C		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	241	824	-	-	1117	-	-	245
HCM Lane V/C Ratio	0.185	0.004	-	-	0.039	-	-	0.018
HCM Control Delay (s)	23.3	9.4	0	-	8.4	0	-	20
HCM Lane LOS	C	A	A	-	A	A	-	C
HCM 95th %tile Q(veh)	0.7	0	-	-	0.1	-	-	0.1

Intersection						
Int Delay, s/veh	1.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	368	30	22	753	30	22
Future Vol, veh/h	368	30	22	753	30	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	92	92	75	75
Heavy Vehicles, %	5	5	2	2	4	4
Mvmt Flow	428	35	24	818	40	29

Major/Minor	Major1	Major2	Minor1	Minor2	Minor3
Conflicting Flow All	0	0	463	0	1312 446
Stage 1	-	-	-	-	446 -
Stage 2	-	-	-	-	866 -
Critical Hdwy	-	-	4.12	-	6.44 6.24
Critical Hdwy Stg 1	-	-	-	-	5.44 -
Critical Hdwy Stg 2	-	-	-	-	5.44 -
Follow-up Hdwy	-	-	2.218	-	3.536 3.336
Pot Cap-1 Maneuver	-	-	1098	-	173 608
Stage 1	-	-	-	-	641 -
Stage 2	-	-	-	-	408 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1098	-	166 608
Mov Cap-2 Maneuver	-	-	-	-	166 -
Stage 1	-	-	-	-	641 -
Stage 2	-	-	-	-	392 -

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	26
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	240	-	-	1098	-
HCM Lane V/C Ratio	0.289	-	-	0.022	-
HCM Control Delay (s)	26	-	-	8.4	0
HCM Lane LOS	D	-	-	A	A
HCM 95th %tile Q(veh)	1.2	-	-	0.1	-

Intersection: 1: Driveway & Hamburg Road & M-36

Movement	EB	WB	WB	NB	SB	SB
Directions Served	LTR	LT	R	LTR	L	TR
Maximum Queue (ft)	95	73	130	43	224	48
Average Queue (ft)	45	32	68	23	89	18
95th Queue (ft)	77	65	107	47	161	38
Link Distance (ft)	713	575		491	1264	1264
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			200			
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Learning Lane/Church Drive & M-36

Movement	WB	NB
Directions Served	LTR	LTR
Maximum Queue (ft)	61	84
Average Queue (ft)	6	30
95th Queue (ft)	33	61
Link Distance (ft)	658	491
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Hall Road & M-36

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	5	35	64
Average Queue (ft)	0	3	24
95th Queue (ft)	4	18	48
Link Distance (ft)	658	695	515
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 0

Intersection: 1: Driveway & Hamburg Road & M-36

Movement	EB	WB	WB	NB	SB	SB
Directions Served	LTR	LT	R	LTR	L	TR
Maximum Queue (ft)	92	135	316	39	123	54
Average Queue (ft)	47	35	145	18	61	23
95th Queue (ft)	78	92	267	43	101	42
Link Distance (ft)	713	575		491	1264	1264
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)			200			
Storage Blk Time (%)			8			
Queuing Penalty (veh)			6			

Intersection: 2: Learning Lane/Church Drive & M-36

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	36	80	57	32
Average Queue (ft)	2	13	26	5
95th Queue (ft)	15	48	51	23
Link Distance (ft)	575	658	491	296
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Hall Road & M-36

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	57	67
Average Queue (ft)	6	25
95th Queue (ft)	29	52
Link Distance (ft)	695	515
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 6

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕			↕			↕	
Traffic Vol, veh/h	0	537	9	12	306	0	27	0	39	0	0	0
Future Vol, veh/h	0	537	9	12	306	0	27	0	39	0	0	0
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	-	-	-	100	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	87	87	78	78	92	92	92	92	92	92	92
Heavy Vehicles, %	2	5	5	17	17	2	2	2	2	2	2	2
Mvmt Flow	0	617	10	15	392	0	29	0	42	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	392	0	0	627	0	0	1044	1044	622	1065	1049	392
Stage 1	-	-	-	-	-	-	622	622	-	422	422	-
Stage 2	-	-	-	-	-	-	422	422	-	643	627	-
Critical Hdwy	4.12	-	-	4.27	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.353	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1167	-	-	886	-	-	207	229	487	200	227	657
Stage 1	-	-	-	-	-	-	474	479	-	609	588	-
Stage 2	-	-	-	-	-	-	609	588	-	462	476	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1167	-	-	886	-	-	204	225	487	180	223	657
Mov Cap-2 Maneuver	-	-	-	-	-	-	204	225	-	180	223	-
Stage 1	-	-	-	-	-	-	474	479	-	609	578	-
Stage 2	-	-	-	-	-	-	599	578	-	422	476	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0.3			20			0		
HCM LOS							C			A		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	311	1167	-	-	886	-	-	-
HCM Lane V/C Ratio	0.231	-	-	-	0.017	-	-	-
HCM Control Delay (s)	20	0	-	-	9.1	-	-	0
HCM Lane LOS	C	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	0.9	0	-	-	0.1	-	-	-

Intersection												
Int Delay, s/veh	1.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕			↕			↕	
Traffic Vol, veh/h	3	372	28	41	742	0	16	0	25	1	0	3
Future Vol, veh/h	3	372	28	41	742	0	16	0	25	1	0	3
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	-	-	-	100	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	89	89	93	93	92	92	92	92	92	92	92
Heavy Vehicles, %	2	4	4	1	1	2	2	2	2	2	2	2
Mvmt Flow	3	418	31	44	798	0	17	0	27	1	0	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	798	0	0	449	0	0	1328	1326	434	1339	1341	798
Stage 1	-	-	-	-	-	-	440	440	-	886	886	-
Stage 2	-	-	-	-	-	-	888	886	-	453	455	-
Critical Hdwy	4.12	-	-	4.11	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.209	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	824	-	-	1117	-	-	132	156	622	130	152	386
Stage 1	-	-	-	-	-	-	596	578	-	339	363	-
Stage 2	-	-	-	-	-	-	338	363	-	586	569	-
Platoon blocked, %		-	-	-	-	-						
Mov Cap-1 Maneuver	824	-	-	1117	-	-	126	149	622	120	145	386
Mov Cap-2 Maneuver	-	-	-	-	-	-	126	149	-	120	145	-
Stage 1	-	-	-	-	-	-	593	575	-	337	349	-
Stage 2	-	-	-	-	-	-	322	349	-	558	566	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			0.4			22.9			19.8		
HCM LOS							C			C		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	245	824	-	-	1117	-	-	248
HCM Lane V/C Ratio	0.182	0.004	-	-	0.039	-	-	0.018
HCM Control Delay (s)	22.9	9.4	0	-	8.4	-	-	19.8
HCM Lane LOS	C	A	A	-	A	-	-	C
HCM 95th %tile Q(veh)	0.7	0	-	-	0.1	-	-	0.1

Intersection: 2: Learning Lane/Church Drive & M-36

Movement	WB	NB
Directions Served	L	LTR
Maximum Queue (ft)	36	62
Average Queue (ft)	4	33
95th Queue (ft)	20	54
Link Distance (ft)		486
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	100	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Intersection: 2: Learning Lane/Church Drive & M-36

Movement	EB	WB	WB	NB	SB
Directions Served	LTR	L	TR	LTR	LTR
Maximum Queue (ft)	25	30	30	106	33
Average Queue (ft)	1	8	2	30	5
95th Queue (ft)	11	25	24	99	23
Link Distance (ft)	575		658	486	290
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		100			
Storage Blk Time (%)			0		
Queuing Penalty (veh)			0		

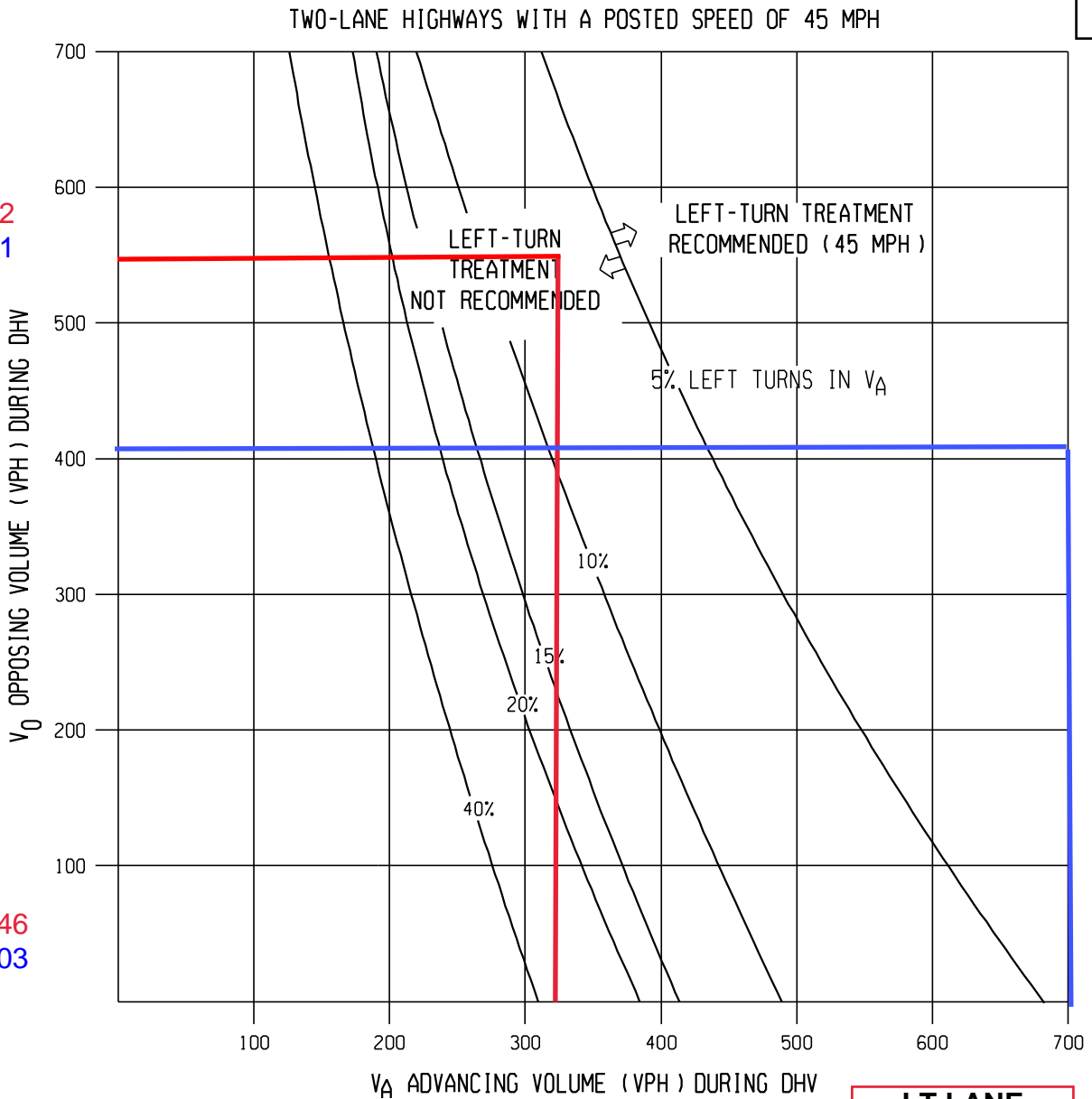
Zone Summary

Zone wide Queuing Penalty: 0

AM % Left in
 $V_a = 3.8\%$
 PM % Left in
 $V_a = 5.2\%$

AM Left-Turn = 12
 PM Left-Turn = 41

AM $V_0 = 546$
 PM $V_0 = 403$



AM $V_a = 318$
 PM $V_a = 783$

**LT LANE
 Recommended**

Instructions:

1. The family of curves represent the percentage of left turns in the advancing volume (V_A). The designer should locate the curve for the actual percentage of left turns. When this is not an even increment of 5, the designer should estimate where the curve lies.
2. Read V_A and V_0 into the chart and locate the intersection of the two volumes.
3. Note the location of the point in #2 relative to the line in #1. If the point is to the right of the line, then a left-turn lane is recommended. If the point is to the left of the line, then a left-turn is not recommended based on traffic volumes.

MDOT
 Michigan Department of Transportation

TRAFFIC AND SAFETY
 NOTE

DRAWN BY: MTS
 CHECKED BY: JAT
 FILE: K:\DGN\ts notes>Note605A tsn.dgn

TRAFFIC VOLUME GUIDELINES
 FOR LEFT-TURN LANES AT
 UNSIGNALIZED INTERSECTIONS

08/05/2004
 PLAN DATE:

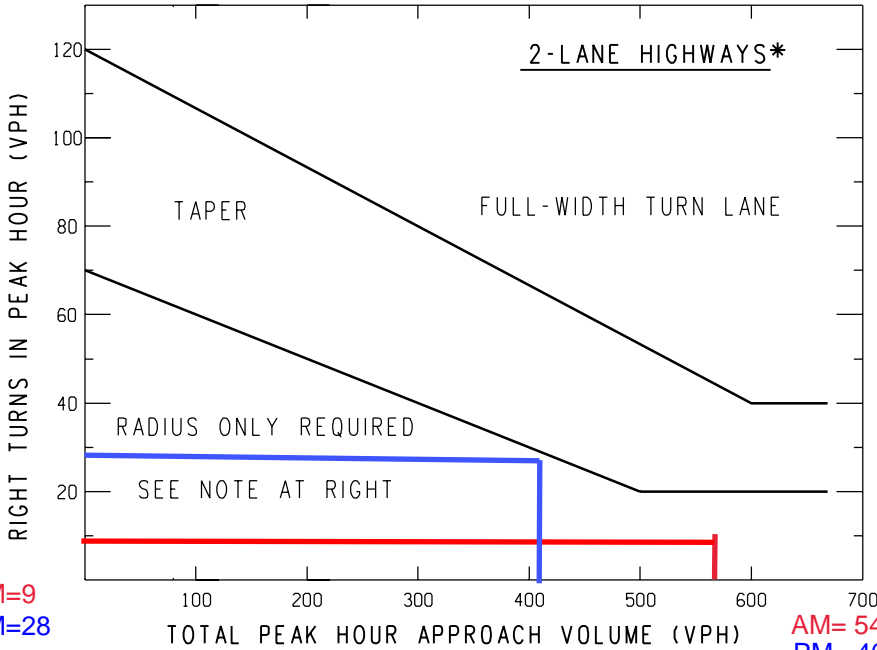
605A

SHEET
 4 OF

230

REV. 08/05/2004

Item 11.



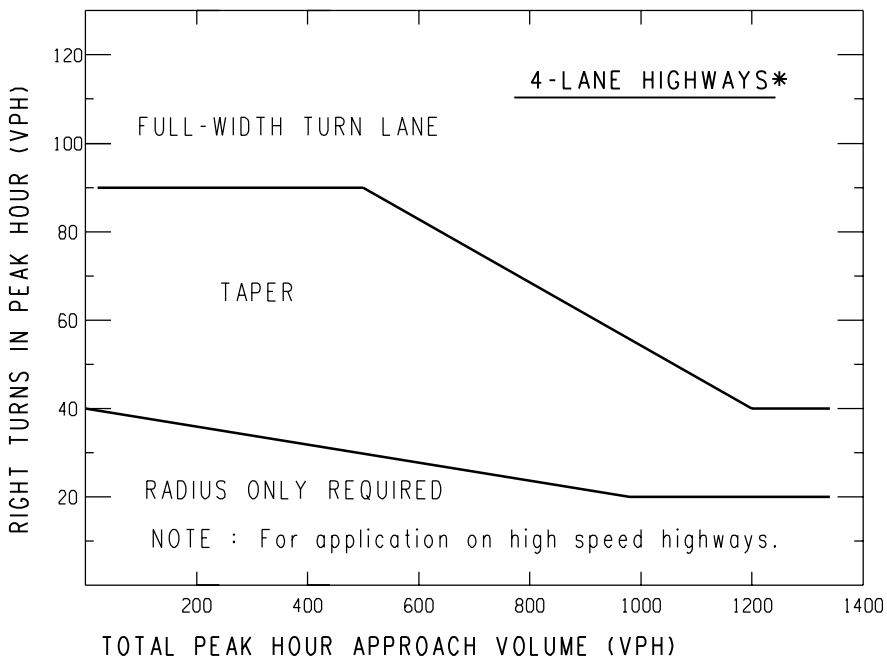
NOTE:
 For posted speeds at or under 45 mph, peak hour right turns greater than 40 vph, and total peak hour approach less than 300 vph, adjust right turn volumes.

Adjust peak hour right turns = Peak hour right turns - 20

AM=9
PM=28

AM= 546
PM= 403

RT LANE 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>



Township Board Cover Sheet

Buhl Drive – Road Improvement S.A.D.

Information Packet:

Hamburg Township has been approached by residents living on Buhl Drive requesting the establishment of a road improvement special assessment district. The proposed road improvements will consist of include the installation of a single chip seal and fog coating for the road to be completed by the Livingston County Road Commission or its designated agents. The Livingston County Road Commission shall provide all inspections, testing and project management for this job at no cost to the Township or residents. Based upon property owner response, there are enough petitions to proceed with establishing the S.A.D. The proposed S.A.D. will be financed through a one-time lump sum payment included on the property owner's December 1, 2025 winter tax bill.

The following items have been included for the Board's review:

1. **Property Owner Petitions:**
 - A. Petition results Memorandum dated October 16th, 2024
 - B. Copies of the petition forms submitted by property owners
 - C. Supervisor's petition certification
 - D. Spreadsheet showing support by road frontage (per Public Act 188)

2. **Resolution to Acknowledge Petitions and Re-Establish S.A.D.:**
 - A. Resolution No. 1 – Resolution Acknowledging Receipt of Petitions and Establishment of the Buhl Drive Road Rehabilitation Special Assessment District, Scheduling the First Hearing and Directing the Issuance of the Statutory Notices.

The Board must adopt the Resolution to tentatively declare its intent to establish the Buhl Drive road improvement special assessment district for the purpose of financing the proposed road improvement project through a one-time lump sum payment.

The Resolution will also set the date and time for the first public hearing to be held to establish the district. The Board typically schedules the public hearings to be held prior to a regularly scheduled Board meeting. Therefore, I am recommending that the 1st public hearing be scheduled for Tuesday, December 3rd, 2024 beginning at 2:15 p.m. to allow enough time for notice to be published in the newspaper as well as mailing individual notices to property owners.

Drafted: October 17th, 2024



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: October 16th, 2024

RE: **BUHL DRIVE – ROAD IMPROVEMENT PROJECT**
 Request to Establish the Special Assessment District

I am writing to update the Board of Trustees on the status of the proposed Buhl Drive petition request to establish a road improvement special assessment district (S.A.D.). There are enough property owners in favor of establishing a district. The facts are as follows:

DISTRICT NAME	Buhl Drive Road Improvement District
TYPE OF DISTRICT	Milling Existing Road & New Asphalt
TOTAL NUMBER OF PARCELS	33
NUMBER OF RETURNED “YES” PETITIONS	32
NUMBER OF RESCINDED PETITIONS	0
TOTAL ROAD FRONTAGE OF PROPOSED DISTRICT	3,466.40 feet
TOTAL “YES” ROAD FRONTAGE FOR ROAD MAINTENANCE	3,351.65 feet
PERCENTAGE OF “YES” ROAD FRONTAGE TO TOTAL ROAD FRONTAGE	3,351.65 feet divided by 3,466.40 feet equals = 96.69%
PERCENTAGE OF RETURNED “YES” PETITIONS TO TOTAL NUMBER OF PARCELS	32 divided by 33 = 96.97%

NOTE: Buhl Drive is a **public** road. The project will consist of the establishment of a road improvement district including the installation of a single chip seal and fog coating on the road to be completed by the Livingston County Road Commission or its designated agent.

Petition No. 1

READ THIS PETITION CAREFULLY BEFORE YOU SIGN IT.
DO NOT SIGN THIS PETITION UNLESS YOU UNDERSTAND IT.
CONSULT YOUR OWN ATTORNEY OR OTHER ADVISER IF YOU HAVE QUESTIONS.

**INDIVIDUAL PETITION FOR THE BUHL DRIVE
ROAD IMPROVEMENT PROJECT**

Hamburg Township, Livingston County, Michigan

We the undersigned, as the record owners of land constituting more than 50% of the total linear road frontage in a proposed special assessment district described in the attached *Appendix B*, hereby respectively **PETITION THE HAMBURG TOWNSHIP BOARD** for road improvements as described below (the "Project") under authority of the Township Public Improvements Act (Act No. 188, Public Acts of Michigan, 1954, as amended), for **Buhl Drive** (approx. 0.30 miles), being a **public** road located in Hamburg Township. The property owners request that method of assessment assigned for the costs associated with the proposed improvement project be levied as a one-time lump sum payment per property owner.

Project Description: The project consists of establishing a road improvement special assessment district to benefit those properties having ingress and egress along Buhl Drive.

Road improvement shall consist of:

- 1.) Request and obtain authorization from the Livingston County Road Commission to add a chipseal coating to the existing pavement on Buhl Drive, a public road, as is required under Public Act 188 of 1954, as amended;
- 2.) The proposed improvements shall include the installation of a single chip seal and fog coating for the road;
- 3.) The Livingston County Road Commission will provide inspection, testing and project management for this job at no cost to the Township or residents;
- 4.) The road improvement work shall also include raising all sewer curb stops, valves, and/or manholes in order to maintain proper access for sewer service, maintenance and repairs, as necessary;
- 5.) Property owners understand that the proposed road improvement project will be scheduled and constructed by the Livingston County Road Commission and/or its designated Contractor. Hamburg Township shall act only in the capacity of collecting funds from the property owners within the designated special assessment district (SAD) to pay for the proposed road improvements.

- 6.) Property owners further understand that the Township shall not be liable for nor insure, warrant or guarantee the quality or longevity of the proposed road improvements. Hamburg Township shall act only in the capacity of collecting funds from the property owners within the designated special assessment district (SAD) to pay for the proposed road improvements.
- 7.) Property owners request that the road improvement project be established as a one-time lump sum payment special assessment district to be collected on the December 1st, 2025 winter tax bill.

Property owners acknowledge that sprinklers located within approximately 10 feet of the existing roadway of Buhl Drive must be moved prior to construction. Sprinklers are not to be operated during construction.

We, the petitioners, understand and agree to be responsible for the payment of any and all legal fees for any work related to any litigation preparation, implementation and/or administration of the requested special assessment district (SAD).

We, the petitioners, further understand that the cost of the Project, including expenses connected with any engineering, planning and/or legal costs will be assessed against each parcel of land within said proposed district whether or not the project is completed. In the event that the Special Assessment district is not created, the undersigned agree to reimburse the Township for all such costs, fees and expenses and that the Township may assess our property for any such repayment.

Signature Section: Please do not detach from page.

TAX CODE NUMBER: 7360921154 15-27-102-019 Bkr

Name(s) of Property Owners(s): Larry & Lynn A Berg Revocable Trust

Property Address: 10262 Buhl Pinckney MI 48169

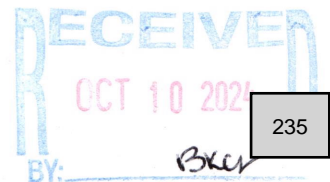
MAILING ADDRESS –
of property owner if different
than property address: _____

ALL RECORD PROEPRTY OWNERS MUST SIGN

X [Signature] Date: 9/23/24

X Lynn Berg Date: 9/23/24

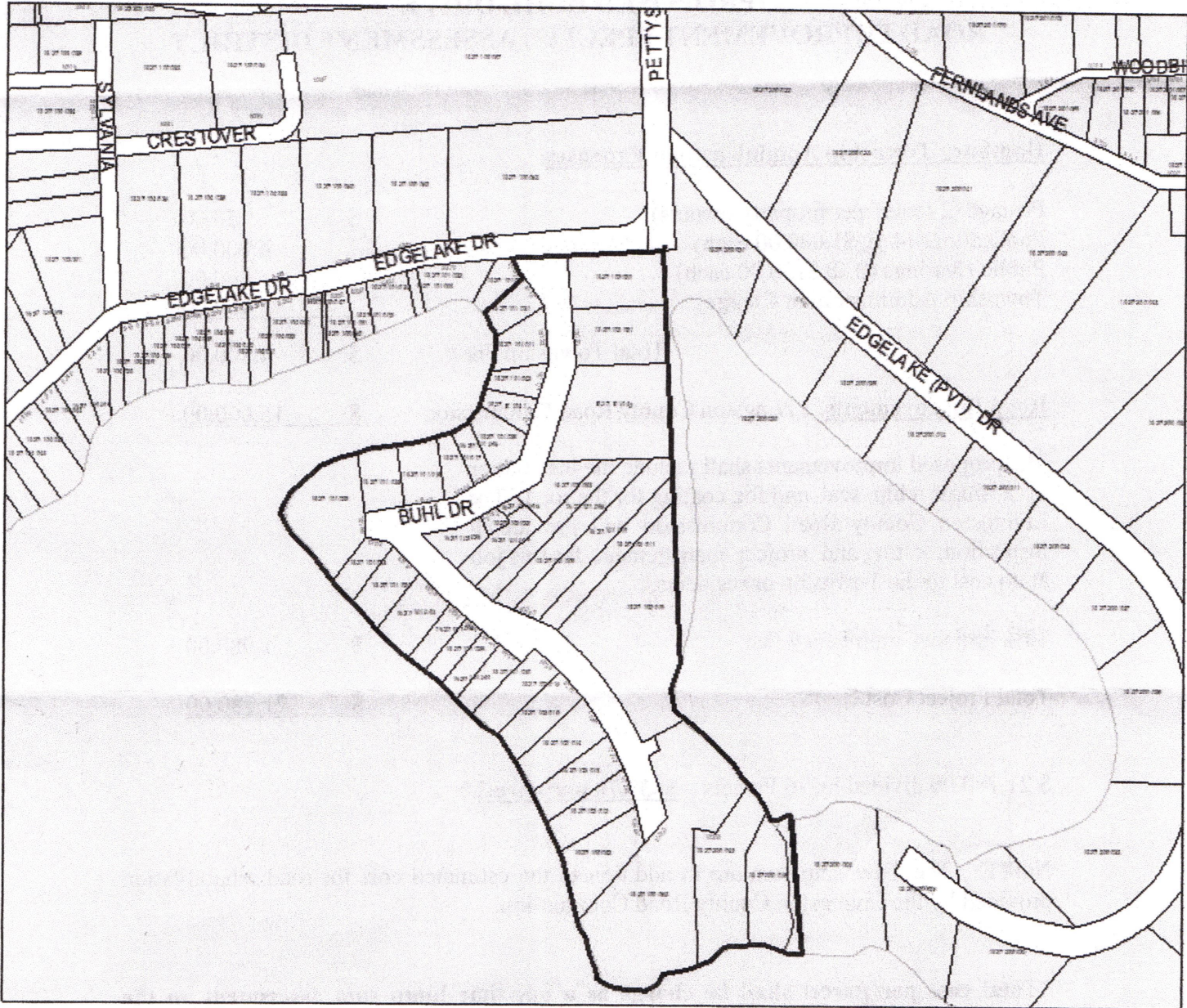
X _____ Date: _____



APPENDIX B

**PETITION FOR THE PROPOSED BUHL DRIVE
- ROAD IMPROVEMENT SPECIAL ASSESSMENT DISTRICT**
Hamburg Township, Livingston County, Michigan

The general service area in which a proposed special assessment district is to be designated. The Hamburg Township Board of Trustees may adjust the district boundaries based upon property owner response in support of creating a road improvement special assessment district.



General service area establishing the Buhl Drive – Road Improvement Special Assessment District. Proposed special assessment district boundary shown within thick black-lined area.

Petition No. 1

READ THIS PETITION CAREFULLY BEFORE YOU SIGN IT.
DO NOT SIGN THIS PETITION UNLESS YOU UNDERSTAND IT.
CONSULT YOUR OWN ATTORNEY OR OTHER ADVISER IF YOU HAVE QUESTIONS.

**PETITION FOR THE BUHL DRIVE
ROAD IMPROVEMENT PROJECT**
Hamburg Township, Livingston County, Michigan

We the undersigned, as the record owners of land constituting more than 50% of the total linear road frontage in a proposed special assessment district described in the attached *Appendix B*, hereby respectively **PETITION THE HAMBURG TOWNSHIP BOARD** for road improvements as described below (the "Project") under authority of the Township Public Improvements Act (Act No. 188, Public Acts of Michigan, 1954, as amended), for **Buhl Drive** (approx. 0.30 miles), being a **public** road located in Hamburg Township. The property owners request that method of assessment assigned for the costs associated with the proposed improvement project be levied as a one-time lump sum payment per property owner.

Project Description: The project consists of establishing a road improvement special assessment district to benefit those properties having ingress and egress along Buhl Drive.

Road improvement shall consist of:

- 1.) Request and obtain authorization from the Livingston County Road Commission to add a chipseal coating to the existing pavement on Buhl Drive, a public road, as is required under Public Act 188 of 1954, as amended;
- 2.) The proposed improvements shall include the installation of a single chip seal and fog coating for the road;
- 3.) The Livingston County Road Commission will provide inspection, testing and project management for this job at no cost to the Township or residents;
- 4.) The road improvement work shall also include raising all sewer curb stops, valves, and/or manholes in order to maintain proper access for sewer service, maintenance and repairs, as necessary;
- 5.) Property owners understand that the proposed road improvement project will be scheduled and constructed by the Livingston County Road Commission and/or its designated Contractor. Hamburg Township shall act only in the capacity of collecting funds from the property owners within the designated special assessment district (SAD) to pay for the proposed road improvements.

- 6.) Property owners further understand that the Township shall not be liable for nor insure, warrant or guarantee the quality or longevity of the proposed road improvements. Hamburg Township shall act only in the capacity of collecting funds from the property owners within the designated special assessment district (SAD) to pay for the proposed road improvements.
- 7.) Property owners request that the road improvement project be established as a one-time lump sum payment special assessment district to be collected on the December 1st, 2025 winter tax bill.

Property owners acknowledge that sprinklers located within approximately 10 feet of the existing roadway of Buhl Drive must be moved prior to construction. Sprinklers are not to be operated during construction.

We, the petitioners, understand and agree to be responsible for the payment of any and all legal fees for any work related to any litigation preparation, implementation and/or administration of the requested special assessment district (SAD).

We, the petitioners, further understand that the cost of the Project, including expenses connected with any engineering, planning and/or legal costs will be assessed against each parcel of land within said proposed district whether or not the project is completed. In the event that the Special Assessment district is not created, the undersigned agree to reimburse the Township for all such costs, fees and expenses and that the Township may assess our property for any such repayment.

Petition No. 1

RECEIVED
OCT 10 2024
BY: BKCR

APPENDIX A

**PETITION FOR THE PROPOSED BUHL DRIVE
- ROAD IMPROVEMENT SPECIAL ASSESSMENT DISTRICT**
Hamburg Township, Livingston County Michigan

WARNING - A PERSON WHO KNOWINGLY SIGNS THIS PETITION MORE THAN ONCE, SIGNS A NAME OTHER THAN HIS OR HER OWN, OR SETS OPPOSITE HIS OR HER SIGNATURE ON A PETITION, A DATE OTHER THAN THE ACTUAL DATE THE SIGNATURE WAS AFFIXED, SHALL BE IN VIOLATION OF CERTAIN PROVISIONS OF MICHIGAN LAW.

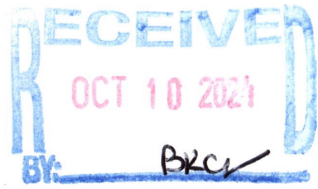
Parcel # 15-27-

	SIGNATURE	PRINTED NAME	STREET ADDRESS OR RURAL ROUTE	POST OFFICE (CITY)	DATE OF SIGNING			
					MONTH	DATE	YEAR	
1.	<i>[Signature]</i>	DANIEL PROSTAK	10160 BUHL ROAD	ANN ARBOR - LAKELAND	9	10	2024	} 101-045
2.	<i>[Signature]</i>	Xiaodi Wang	10160 Buhl Road	Ann Arbor-lakeland	9	10	2024	
3.	Burt H Burton Trust	Burt H Burton	10300 Buhl Rd	Lakeland	9	10	2024	} 100-065
4.	<i>[Signature]</i>	Gina Aten	10306 Buhl Rd	Pickney	9	10	2024	
5.	<i>[Signature]</i>	Daniel Aten	10306 Buhl Rd	Pickney	9	11	2024	} 200-045
6.	Joyce Hawkins	JOYCE HAWKINS	10276 BUHL	LAKELAND	9	12	2024	
7.	<i>[Signature]</i>	FRED KSKARY DONOR WICKER	10272 BUHL	Pickney	9	12	2024	} 102-012
8.	<i>[Signature]</i>	DOROTHY WICKER	10272 BUHL	ANN ARBOR Pickney	9	12	2024	
9.	<i>[Signature]</i>	Kevin Watson	10310 Buhl Dr	Pickney	9	13	2024	} 200-018 } 101-017 } 102-022
10.	<i>[Signature]</i>	KATHLEEN A. HILL	10166 BUHL	Pickney	9	13	2024	
11.	<i>[Signature]</i>	Bruce Miller	10202 BUHL	Pickney	9	14	24	} 101-023
12.	<i>[Signature]</i>	JENNIFER K.M	10202 Buhl	PICKNEY	9	19	24	
13.	<i>[Signature]</i>	MARK STEELE	10154 BUHL	PICKNEY	9	15	24	} 210-051 } 102-003
14.	<i>[Signature]</i>	Serena Steele	10154 Buhl	Pickney	9	15	24	
15.								

<p align="center">CERTIFICATE OF CIRCULATOR</p> <p>The undersigned circulator of the above petition asserts that he or she is qualified to circulate this petition and that each signature on the petition was signed in his or her presence; and that, to his or her best knowledge and belief, each signature is the genuine signature of the person purporting to sign the petition, the person signing the petition was at the time of signing a qualified property owner of the City, Township or Village listed in the heading of the petition, and that the person was qualified to sign the petition.</p> <p>WARNING - A CIRCULATOR KNOWINGLY MAKING A FALSE STATEMENT IN THE ABOVE CERTIFICATE, A PERSON NOT A CIRCULATOR WHO SIGNS AS A CIRCULATOR, OR A PERSON WHO SIGNS A NAME OTHER THAN HIS OR HER OWN AS CIRCULATOR IS GUILTY OF A MISDEMEANOR.</p>	<p align="center">CIRCULATOR - DO NOT SIGN OR DATE CERTIFICATE UNTIL AFTER CIRCULATING PETITION</p> <p><u>Burt Burton</u> (Signature of Circulator) <u>10/10/24</u> (Date)</p> <p><u>Burt Burton</u> (Printed Name of Circulator)</p> <p><u>Hamburg</u> Wickliffe <u>B/H/B</u> (City, Township or Village Where Registered)</p> <p><u>10300 Buhl Dr</u> <u>Pickney</u> (Post Office) (Complete Address (Street and Number or Rural Route))</p>
--	--

Checked O.K. BKCR 10/10/24

Petition No. 2



APPENDIX A

**PETITION FOR THE PROPOSED BUHL DRIVE
- ROAD IMPROVEMENT SPECIAL ASSESSMENT DISTRICT**
Hamburg Township, Livingston County Michigan

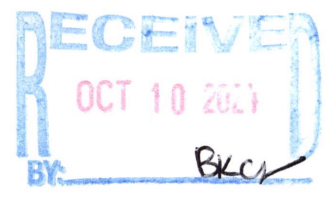
WARNING - A PERSON WHO KNOWINGLY SIGNS THIS PETITION MORE THAN ONCE, SIGNS A NAME OTHER THAN HIS OR HER OWN, OR SETS OPPOSITE HIS OR HER SIGNATURE ON A PETITION, A DATE OTHER THAN THE ACTUAL DATE THE SIGNATURE WAS AFFIXED, SHALL BE IN VIOLATION OF CERTAIN PROVISIONS OF MICHIGAN LAW.

Parcel # 15-27-

	SIGNATURE	PRINTED NAME	STREET ADDRESS OR RURAL ROUTE	POST OFFICE (CITY)	DATE OF SIGNING			
					MONTH	DATE	YEAR	
1.	<i>[Signature]</i>	Tom St. Germain (Trust)	10254 Buhl Pinckney MI	Pinckney	09	14	24	-102-086
2.	<i>[Signature]</i>	Chris Murdock	10130 Buhl Pinckney MI	Pinckney	09	15	24	101-011
3.	<i>[Signature]</i>	Morgan Murdock	10130 Buhl Pinckney, MI	Pinckney	09	15	24	102-021
4.	<i>[Signature]</i>	DAVID LAUX	10196 Buhl Pinckney	Pinckney	09	15	24	101-022
5.	<i>[Signature]</i>	Ronni Laux	10196 Buhl Pinckney	"	09	15	24	
6.	<i>[Signature]</i>	Chris Markey	10210 Buhl Rd. Pinckney	"	09	15	24	101-024
7.	<i>[Signature]</i>	Patricia Mary	10210 Buhl Rd. Pinckney	"	9	15	24	
8.	<i>[Signature]</i>	Suanna Veziha	10124 Buhl Lakeland	Pinckney	9	16	24	102-020
9.	<i>[Signature]</i>	AMAD FARJID	10238 Buhl DR PINCKNEY	PINCKNEY	9	16	24	101-028
10.	<i>[Signature]</i>	KARIN FARJID	10238 Buhl DR PINCKNEY	PINCKNEY	9	16	24	100-052
11.	<i>[Signature]</i>	Ray Baker	10282 Buhl Dr	Lakeland	9	18	24	102-009
12.	<i>[Signature]</i>	Eric Schroeder	10226 Buhl Dr	Pinckney	9	18	24	101-043
13.	<i>[Signature]</i>	Raven Schroeder	10226 Buhl Dr.	Pinckney	9	18	24	101-018
14.	<i>[Signature]</i>	Bene LaFave	10172 Buhl Dr	Pinckney	9	18	24	101-035
15.	<i>[Signature]</i>	STEVEN J. LAFAVE	10172 BUHL DR	PINCKNEY	9	18	24	102-025

<p align="center">CERTIFICATE OF CIRCULATOR</p> <p>The undersigned circulator of the above petition asserts that he or she is qualified to circulate this petition and that each signature on the petition was signed in his or her presence; and that, to his or her best knowledge and belief, each signature is the genuine signature of the person purporting to sign the petition, the person signing the petition was at the time of signing a qualified property owner of the City, Township or Village listed in the heading of the petition, and that the person was qualified to sign the petition.</p> <p>WARNING - A CIRCULATOR KNOWINGLY MAKING A FALSE STATEMENT IN THE ABOVE CERTIFICATE, A PERSON NOT A CIRCULATOR WHO SIGNS AS A CIRCULATOR, OR A PERSON WHO SIGNS A NAME OTHER THAN HIS OR HER OWN AS CIRCULATOR IS GUILTY OF A MISDEMEANOR.</p>	<p align="center">CIRCULATOR - DO NOT SIGN OR DATE CERTIFICATE UNTIL AFTER CIRCULATING PETITION</p> <p><u>Buhl Burton</u> (Signature of Circulator) <u>10/10/24</u> (Date)</p> <p><u>Buhl Burton</u> (Printed Name of Circulator)</p> <p><u>Hamburg</u> (City, Township or Village Where Registered)</p> <p><u>10300 Buhl Dr</u> <u>Pinckney</u> (Post Office)</p> <p>(Complete Address (Street and Number or Rural Route))</p>
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APPENDIX A



**PETITION FOR THE PROPOSED BUHL DRIVE
- ROAD IMPROVEMENT SPECIAL ASSESSMENT DISTRICT**
Hamburg Township, Livingston County Michigan

WARNING - A PERSON WHO KNOWINGLY SIGNS THIS PETITION MORE THAN ONCE, SIGNS A NAME OTHER THAN HIS OR HER OWN, OR SETS OPPOSITE HIS OR HER SIGNATURE ON A PETITION, A DATE OTHER THAN THE ACTUAL DATE THE SIGNATURE WAS AFFIXED, SHALL BE IN VIOLATION OF CERTAIN PROVISIONS OF MICHIGAN LAW.

Parcel # 15-27 -

	SIGNATURE	PRINTED NAME	STREET ADDRESS OR RURAL ROUTE	POST OFFICE (CITY)	DATE OF SIGNING			
					MONTH	DATE	YEAR	
1.	<i>[Signature]</i>	TODD HALLETT	10232 BUHL, PINCKNEY	PINCKNEY	9	19	2024	<i>2101-1046</i>
2.	<i>Katie Hallett</i>	Katie Hallett	10232 Buhl Dr	Pinckney	9	19	2024	
3.	<i>Janice Falzon</i>	Janice Falzon	10142 Buhl Dr.	Pinckney	9	20	2024	<i>101-041</i>
4.	<i>[Signature]</i>	Lori Ploutz-Snyder	10136 Buhl Dr	Pinckney	9	22	2024	<i>2101-1042</i>
5.	<i>[Signature]</i>	Rob Ploutz-Snyder	10136 Buhl Dr	Pinckney	9	22	2024	<i>101-070</i>
6.	<i>Loralee Mannus</i>	Loralee Mannus	10250 Buhl DR	Pinckney	9	22	2024	<i>102-011</i>
7.	<i>Kevin P. Johnson</i>	KEVIN P. JOHNSON	10266 BUHL DR.	PINCKNEY	9	22	2024	<i>2102-1014</i>
8.	<i>Denise E. Johnson</i>	DENISE E. JOHNSON	10266 BUHL DR.	PINCKNEY	9	22	2024	
9.	<i>Barbara C. Arvin</i>	Barbara C. Arvin	10244 Buhl Dr.	Pinckney	10	2	2024	
10.	<i>Kevin R. Arvin</i>	Kevin R. Arvin	10244 Buhl Dr.	Pinckney	10	2	2024	
11.								
12.								
13.								
14.								
15.								

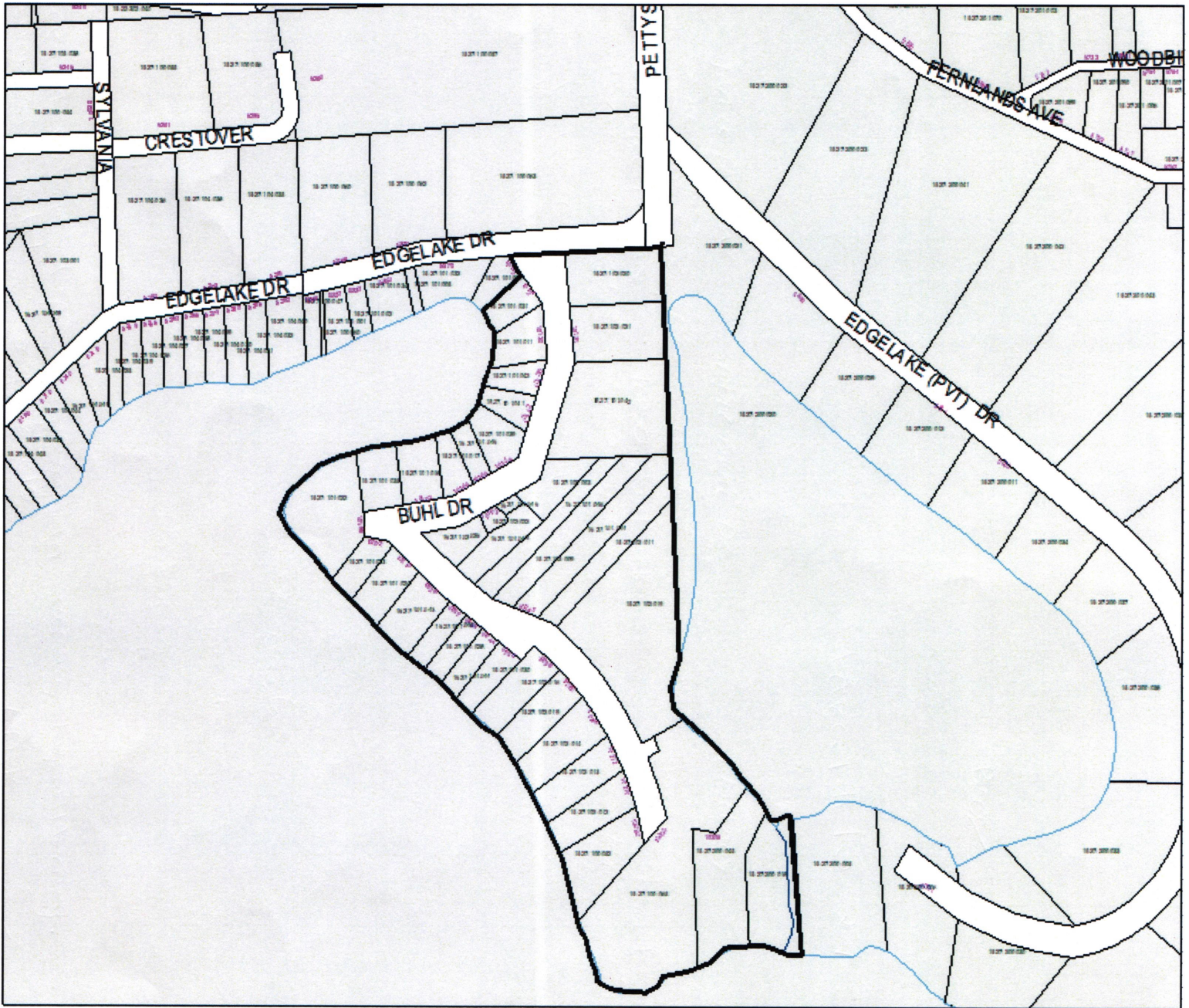
*
*

CERTIFICATE OF CIRCULATOR	CIRCULATOR - DO NOT SIGN OR DATE CERTIFICATE UNTIL AFTER CIRCULATING PETITION
<p>The undersigned circulator of the above petition asserts that he or she is qualified to circulate this petition and that each signature on the petition was signed in his or her presence; and that, to his or her best knowledge and belief, each signature is the genuine signature of the person purporting to sign the petition, the person signing the petition was at the time of signing a qualified property owner of the City, Township or Village listed in the heading of the petition, and that the person was qualified to sign the petition.</p> <p>WARNING - A CIRCULATOR KNOWINGLY MAKING A FALSE STATEMENT IN THE ABOVE CERTIFICATE, A PERSON NOT A CIRCULATOR WHO SIGNS AS A CIRCULATOR, OR A PERSON WHO SIGNS A NAME OTHER THAN HIS OR HER OWN AS CIRCULATOR IS GUILTY OF A MISDEMEANOR.</p>	<p><i>Burt Burton</i> (Signature of Circulator) <i>10/10/24</i> (Date)</p> <p><i>Burt Burton</i> (Printed Name of Circulator)</p> <p><i>Hamburg</i> (City, Township or Village Where Registered)</p> <p><i>10300 Buhl</i> (Complete Address (Street and Number or Rural Route))</p> <p><i>Pinckney</i> (Post Office)</p>

* Not fee-title owners of property per Beth Saarela, Twp. Attorney.
- Cannot sign petition for parcel # 15-27-101-044
Checked O.K. BKR - 10/10/2024

**PETITION FOR THE PROPOSED BUHL DRIVE
– ROAD IMPROVEMENT SPECIAL ASSESSMENT DISTRICT**
Hamburg Township, Livingston County, Michigan

The general service area in which a proposed special assessment district is to be designated. The Hamburg Township Board of Trustees may adjust the district boundaries based upon property owner response in support of creating a road improvement special assessment district.



General service area establishing the Buhl Drive – Road Improvement Special Assessment District. **Proposed special assessment district boundary shown within thick black-lined area.**



10405 Merrill Road ♦ P.O. Box 157
Hamburg, MI 48139
Phone: 810.231.1000 ♦ Fax: 810.231.4295
www.hamburg.mi.us

SUPERVISOR'S CERTIFICATE
BUHL DRIVE

To the Clerk and Township Board
Hamburg Township
Livingston County, Michigan

Dear Board of Trustees,

This is to certify that I, Patrick J. Hohl, the Supervisor and acting assessing officer of Hamburg Township, Livingston County, Michigan, being the person having charge of the assessment roll of said Township have checked the attached petitions requesting financing through a one-time lump sum payment for the proposed road improvements along Buhl Drive, a public road, located within the Township. I do hereby certify that said petitions have been signed by the record owners of **96.69** percent of the total frontage of the road within the boundaries as described upon the Petition.

I further certify that the total frontage of the public road within the proposed special assessment district equals 3,466.40 linear feet. The total footage signed for by records owners within the proposed district boundary equals 3,351.65 linear feet based on a total lot frontage of 3,466.40 linear feet.

I do hereby certify that the assessment roll and all assessment records have been verified within the records of the Register of Deeds for Livingston County, as to the record owners of all property within the Township of Hamburg and within the area set forth in said Petition on the day of filing the petition(s).

Respectfully submitted,

Patrick J. Hohl, Supervisor
Township of Hamburg

Dated: 10-14-2024

Buhl Drive - Road Improvement (Chip Seal) S.A.D.

BUHL DRIVE - ROAD IMPROVEMENT S.A.D.				
Parcel #	Property Address	Road Frontage (Ft.)	Frontage in Support	Frontage Opposed
15-27-100-052	10282 Buhl Drive	72.98	72.98	
15-27-100-065	10300 Buhl Drive	181.21	181.21	
15-27-101-011	10130 Buhl Drive	120.56	120.56	
15-27-101-017	10166 Buhl Drive	83.20	83.20	
15-27-101-018	10172 Buhl Drive	100.00	100.00	
15-27-101-022	10196 Buhl Drive	44.36	44.36	
15-27-101-023	10202 Buhl Drive	73.31	73.31	
15-27-101-024	10210 Buhl Drive	85.00	85.00	
15-27-101-028	10238 Buhl Drive	50.00	50.00	
15-27-101-030	10250 Buhl Drive	65.98	65.98	
15-27-101-031	10124 Buhl Drive	83.38	83.38	
15-27-101-035	Vacant - Buhl Drive	100.00	100.00	
15-27-101-039	10154 Buhl Drive	135.97	135.97	
15-27-101-041	10142 Buhl Drive	83.57	83.57	
15-27-101-042	10136 Buhl Drive	215.03	215.03	
15-27-101-043	10226 Buhl Drive	148.07	148.07	
15-27-101-044	10244 Buhl Drive	114.75		
15-27-101-045	10160 Buhl Drive	100.00	100.00	
15-27-101-046	10232 Buhl Drive	105.00	105.00	
15-27-102-003	Vacant - Buhl Drive (Shed)	108.36	108.36	
15-27-102-009	Vacant - Buhl Drive (Garage)	48.00	48.00	
15-27-102-011	Vacant - Buhl Drive	48.50	48.50	
15-27-102-012	10276 Buhl Drive	79.97	79.97	
15-27-102-013	10272 Buhl Drive	80.00	80.00	
15-27-102-014	10266 Buhl Drive	100.00	100.00	
15-27-102-016	10256 Buhl Drive	75.96	75.96	
15-27-102-019	10262 Buhl Drive	414.79	414.79	
15-27-102-020	Vacant - Buhl Drive	123.03	123.03	
15-27-102-021	10131 Buhl Drive - Garage	123.03	123.03	
15-27-102-022	10163 Buhl Drive - Garage	43.37	43.37	
15-27-102-025	Vacant - Buhl Drive	229.02	229.02	
15-27-200-018	10310 Buhl Drive	15.00	15.00	
15-27-200-045	10306 Buhl Drive	15.00	15.00	
	TOTAL LINEAR ROAD FRONTAGE:	3466.40	3351.65	0.00

Buhl Drive - Road Improvement (Chip Seal) S.A.D.

Item 12.

% in Favor of S.A.D.:	96.69			
% Opposed to S.A.D.:	0.00			

**BUHL DRIVE SPECIAL ASSESSMENT DISTRICT
RESOLUTION NO. 1**

TOWNSHIP OF HAMBURG

At a regular meeting of the Township Board of the Township of Hamburg (the "Township"), Livingston County, State of Michigan, held at the Hamburg Township Hall Meeting Room on Tuesday, November 7th, 2024, beginning at 2:30 p.m. Eastern Time, there were:

PRESENT: _____

ABSENT: _____

and the following preamble and resolution were:

MOVED FOR ADOPTION BY: _____

MOTION SUPPORTED BY: _____ :

**RESOLUTION
ACKNOWLEDGING RECEIPT OF PETITIONS AND
ESTABLISHMENT OF THE BUHL DRIVE
ROAD REHABILITATION SPECIAL ASSESSMENT DISTRICT**

WHEREAS, the Township Board ("the Board") of the Township of Hamburg, Livingston County, Michigan ("the Township") has received petitions, ("the Petitions"), by a majority of the residents and property owners of having ingress and egress on Buhl Drive, pursuant to Act No. 188, Public Acts of Michigan, 1954, as amended ("the Act), requesting that the Township administer the road rehabilitation of Buhl Drive, being a public road located in Hamburg Township.

NOW, THEREFORE, BE IT RESOLVED THAT the Hamburg Township Board hereby tentatively declares its intent to establish the Special Assessment District for the full length of Buhl Drive, for the purpose of providing pavement rehabilitation which shall include the installation of a single chip seal and fog coating for the road, within the proposed district in accordance with the Petitions of the property owners thereof. The project shall be designed, engineered, scheduled and constructed by the Livingston County Road Commission and/or its designated Contractor.

BE IT FURTHER RESOLVED THAT the Hamburg Township Board does tentatively designate the special assessment district against which the costs of the improvements are to be assessed as the Buhl Drive - Road Rehabilitation Special Assessment District, which shall include the lands and premises more particularly described above. The proposed SAD fees will be financed through a one-time lump sum payment included on the property owner's December 1, 2025 winter tax bill.

BE IT FURTHER RESOLVED THAT a hearing on any objections to the Petitions, to the improvements, the estimate of costs, and to the Special Assessment District proposed to be established for the assessment of the cost of such improvements, shall be held on Tuesday, December 3rd, 2024, at a special meeting of the Township Board at the Hamburg Township Hall Meeting Room located at 10405 Merrill Road, Hamburg, Michigan, commencing at 2:15 p.m.

BE IT FURTHER RESOLVED THAT the Clerk shall give proper notice of such hearing by mailing and publication in accordance with Act No. 188 and the laws of the State of Michigan.

Upon a roll call vote, the following voted "Aye":

The following voted "Nay":

Absent:

Resolution _____.

CLERK'S CERTIFICATE

The undersigned, being the duly elected Clerk of the Township of Hamburg, Livingston County, Michigan hereby certifies that (1) the foregoing is a true and complete copy of a resolution duly adopted by the Township Board, and the vote taken thereon, at the meeting described in the introductory paragraph, at which a quorum was present and remained throughout; (2) the original of such resolution is on file in the records in my office; (3) the meeting was conducted, and public notice thereof was given, pursuant to an 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 have been or will be made available as required thereby.

Michael Dolan
Hamburg Township Clerk



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

TO: Board of Trustees

FROM: Michelle DeLancey, Director of Accounting & Human Resources

DATE: November 7, 2024

AGENDA ITEM TOPIC: 2025 Holiday Schedule

Number of Supporting Documents: **01**

Requested Action

- Motion to approve the 2025 holiday schedule as presented.

Background

2025 Hamburg Holiday Closures

Township Hall, Building & Grounds and Senior Center

Wednesday January 1, 2025	New Year's Day
Monday January 20, 2025	Martin Luther King Jr. Day
Monday May 26, 2025	Memorial Day
Thursday July 3, 2025	Independence Day
Monday September 1, 2025	Labor Day
Thursday November 27, 2025	Thanksgiving Day
Wednesday December 24, 2025 through Thursday January 1, 2026	

Public Safety and Department of Public Works

Wednesday January 1, 2025	New Year's Day
Monday January 20, 2025	Martin Luther King Jr. Day
Friday April 18, 2025	Good Friday
Monday May 26, 2025	Memorial Day
Friday July 4, 2025	Independence Day
Monday September 1, 2025	Labor Day
Thursday November 27, 2025	Thanksgiving Day
Friday November 28, 2025	Day after Thanksgiving
Wednesday December 24, 2025	Christmas Eve
Thursday December 25, 2025	Christmas Day
Wednesday December 31, 2025	New Year's Eve
Thursday January 1, 2026	New Year's Day



**Plans of Insurance for the
Township of Hamburg Fire Department**
Benefits apply while performing a Covered Activity.

Item 14.

Class 1 All volunteer classes of membership including but not limited to a Volunteer Member, Emergency Volunteer, Auxiliary Member, Fire Corps, Community Volunteer, Board Member, Trustee, Administrative Personnel, Junior Member, Member in Training, Probationary Member, and Part-Time Employees of the Policyholder.

Section I: Death Benefits

		<u>Present Plan</u>	<u>Plan 1</u>	<u>Plan 2</u>
A. Covered Injury Death Benefit		\$200,000	\$200,000	\$200,000
B. Covered Illness Death Benefit		\$50,000	\$50,000	\$50,000
C. HIV Positive Diagnosis Lump Sum Benefit - Injury		\$200,000	\$200,000	\$200,000
HIV Positive Diagnosis Lump Sum Benefit - Illness		\$50,000	\$50,000	\$50,000
D. Bereavement Benefit - Injury	Up to	\$10,000	\$10,000	\$10,000
Bereavement Benefit - Illness	Up to	\$5,000	\$5,000	\$5,000
E. Dependent Child Benefit (Per Child) - Injury		\$10,000	\$10,000	\$10,000
Dependent Child Benefit (Per Child) - Illness		\$10,000	\$10,000	\$10,000
F. Seatbelt Benefit		\$50,000	\$50,000	\$50,000
Airbag Benefit		\$50,000	\$50,000	\$50,000
G. Final Expenses Benefit*	Up to	\$10,000	\$10,000	\$10,000
H. Spousal Benefit		\$15,000	\$15,000	\$15,000
I. Surviving Spouse Education Benefit	Up to	\$10,000	\$10,000	\$10,000
J. Dependent Child Education Benefit	Up to	\$10,000	\$10,000	\$10,000

* Includes repatriation to the funeral home as well as other locations, cremation, burial services, grave marker/headstone.

Section II: Impairment Benefits

A. Dismemberment, Loss of Speech or Hearing Benefit**	Up to	\$200,000	\$200,000	\$200,000
B. Vision Impairment Benefit** - Injury	Up to	\$200,000	\$200,000	\$200,000
Vision Impairment Benefit** - Illness	Up to	\$50,000	\$50,000	\$50,000
C. Cosmetic Disfigurement from Burns Benefit**	Up to	\$200,000	\$200,000	\$200,000
D. Permanent Physical Impairment Benefit** - Injury	Up to	\$200,000	\$200,000	\$200,000
Permanent Physical Impairment Benefit** - Illness	Up to	\$50,000	\$50,000	\$50,000
E. Felonious Assault Benefit	Up to	\$75,000	\$75,000	\$75,000
F. Impairment Modification Benefit**	Up to	\$50,000	\$50,000	\$50,000
G. Paralysis Benefit** - Injury	Up to	\$200,000	\$200,000	\$200,000
Paralysis Benefit** - Illness	Up to	\$50,000	\$50,000	\$50,000

H. Line of Duty Cancer Initial Diagnosis Benefit Rider^		\$0	\$5,000	\$10,000
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** Benefits payable are based on the percentage of impairment or loss as defined in the Policy.

Plans of Insurance for the Township of Hamburg Fire Department
Benefits apply while performing a Covered Activity.

Section III: Income Protection Benefits

A.	Weekly Total Disability Benefits	Up to	\$1,000	\$1,000	\$1,000
A.i.	Covered Injury Minimum Weekly Total Disability Benefit		\$50	\$50	\$50
A.ii	Covered Illness Minimum Weekly Total Disability Benefit		\$50	\$50	\$50
A.iii.	Covered Injury Weekly Earned Income Replacement Benefit***	Up to	\$950	\$950	\$950
A.iv.	Covered Illness Weekly Earned Income Replacement Benefit***	Up to	\$950	\$950	\$950
B.	Partial Disability Benefit ***	Up to	\$1,000	\$1,000	\$1,000
C.	Cost of Living Adjustment	Up to	\$3,000	\$3,000	\$3,000
D.	First Week Disability Benefit***	Up to	\$1,000	\$1,000	\$1,000
E.	Transition Benefit	Up to	\$1,000	\$1,000	\$1,000
F.	Retraining Benefit	Up to	\$20,000	\$20,000	\$20,000

*** Benefits are payable in coordination with the Loss of Earnings Coverage as defined in the Policy.

Section IV: Medical Expenses

			<u>Present Plan</u>	<u>Plan 1</u>	<u>Plan 2</u>
A.	Medical Expense Benefit****	Up to	\$100,000	\$100,000	\$100,000
B.	Plastic Surgery Expense Benefit****	Up to	\$25,000	\$25,000	\$25,000

**** We will not pay covered medical expenses incurred by an Insured Person that are paid or payable under Workers' Compensation, no fault auto or similar insurance.

Section V: Additional Benefits

A.	Daily Hospital Confinement and Outpatient Treatment Benefit		\$15	\$15	\$15
B.	Daily Critical Care Benefit		\$30	\$30	\$30
C.	Family Expense Benefit	Up to	\$10,000	\$10,000	\$10,000
D.	Occupational Rehabilitation Benefit	Up to	\$10,000	\$10,000	\$10,000
E.	Mental Stress Management Benefit	Up to	\$10,000	\$10,000	\$10,000
F.	Traumatic Incident Benefit	Up to	\$10,000	\$10,000	\$10,000
G.	Health Insurance Premium Benefit	Up to	\$12,000	\$12,000	\$12,000

Plans of Insurance for the Township of Hamburg Fire Department
Benefits apply while performing a Covered Activity.

	<u>Present Plan</u>	<u>Plan 1</u>	<u>Plan 2</u>
Annual Premium <i>The annual payment option offers a one-year rate guarantee.</i>	\$4,470	\$5,312	\$6,210

Preparation Date: September 26, 2024

Renewal Date: December 1, 2024

Proposal ID: 68113

This proposal is valid for 90 days from the Preparation Date or until 1 day prior to the Renewal Date, whichever is later.

Underwritten by: AXIS Insurance Company

^Please note that cancer is excluded from the policy. A Line of Duty Cancer Initial Diagnosis Benefit Rider is available for purchase.

DISCLOSURE STATEMENT

All U.S. insurance coverage described in this proposal is provided by AXIS Accident & Health and underwritten by AXIS Insurance Company. Coverage may not be available in all U.S. states and jurisdictions. Product availability and plan design features, including eligibility requirements, descriptions of benefits, exclusions or limitations may vary depending on state laws. This proposal outlines in general some of the important features of the proposed insurance program. The controlling provisions will be in the Policy, and this proposal is not intended in any way to modify the provisions or their meanings. The policy will be subject to the laws of the state in which it is issued.

This insurance coverage is administered by Provident Agency, Inc. of Pittsburgh, PA.

This insurance does not apply to the extent that trade or economic sanctions or regulations prohibit AXIS Accident & Health from providing insurance, including, but not limited to, the payment of claims. Payment of claims under any insurance policy issued shall only be made in full compliance with all United States economic or trade and sanction laws or regulation, including, but not limited to, sanctions, laws and regulations administered and enforced by the U.S. Treasury Department’s Office of Foreign Assets Control (“OFAC”).

Insurance policies providing certain health insurance coverage issued or renewed on or after September 23, 2010 are required to comply with all applicable requirements of the Patient Protection and Affordable Care Act (PPACA). However, there are a number of types of insurance that are specifically exempt from the requirements of the PPACA.

Based on our understanding of the current law and regulations, it is our belief that the accident and health benefits provided under this program are exempt from the requirements of the PPACA. Similarly, we do not believe that this accident and health coverage qualifies as minimum essential benefits as set forth in the PPACA. AXIS Insurance Company continues to monitor PPACA laws and regulations to determine any impact on its products. Should there be any change that requires modification of this coverage, we reserve the right to change the policy and rates accordingly.

Plans of Insurance for the Township of Hamburg Fire Department
Benefits apply while performing a Covered Activity.

GENERAL EXCLUSIONS AND LIMITATIONS

The benefits contained in the Policy are subject to the following limitations:

- 1. All Covered Injuries and Covered Illnesses arising from the same Covered Activity shall be treated as a single Covered Injury or Covered Illness. If the Insured Person sustained a Covered Injury and a Covered Illness from the same Covered Activity and the amount payable or benefit period for a specific benefit is different for Covered Injuries and Covered Illnesses, the Company will pay the higher amount or adhere to the longer benefit period.
- 2. If an Insured Person suffers a Covered Injury or Covered Illness that is payable under more than one of the following benefits, the most the Company will pay is the greater of the largest principal sum or the largest single benefit amount payable shown on the *Policy Schedule of Benefits* for any benefit for which the Insured Person qualifies: Covered Injury Death Benefit; Covered Illness Death Benefit; HIV Positive Diagnosis Lump Sum Benefit; Dismemberment, Loss of Speech or Hearing Benefit; Vision Impairment Benefit; Permanent Physical Impairment Benefit or Paralysis Benefit.
- 3. If an Insured Person is covered under more than one Policyholder Blanket Accident Policy issued by the Company, the total benefits payable will not exceed those payable under the policy that provides the greatest benefit.

This limitation may not apply when multiple Blanket Accident Policies are issued and an Insured Person is also covered under an Accidental Death & Dismemberment Policy.

This limitation will apply when an Insured Person is covered under multiple Blanket Accident Policies; the Insured Person will not be covered under more than one local policy, more than one county policy, or more than one state policy.

In addition to any benefit or coverage specific exclusion, benefits will not be paid for any loss which directly or indirectly, in whole or in part, is caused by or results from any of the following unless coverage is specifically provided in the Policy: declared or undeclared war or act of war; suicide or any attempt at it, while sane or insane; or intentionally self-inflicted injuries while sane; mental or emotional disorders, except as specifically provided for by the Traumatic Incident Benefit or the Mental Stress Management Benefit; any Organized League Athletic Event, except as provided under the Policy; commission of a felony; or cancer. In addition, benefits will not be paid for services or treatment rendered by any person who is: employed or retained by Policyholder; living in the Insured Person’s household; an Immediate Family Member of either the Insured Person or the Insured Person’s Spouse; or the Insured Person.

EXCLUSIONS THAT APPLY TO THE INCOME PROTECTION BENEFITS

In addition to the Exclusions provided under the Policy, no Income Protection Benefits shall be payable in the following instances, unless coverage is specifically provided: (1) during the Insured Person’s incarceration in a penal or corrections institution. Payments may resume after incarceration as long as the Insured Person remains Totally Disabled and remains covered under the Policy; or (2) the Insured Person is not receiving Appropriate Care.

Plans of Insurance for the Township of Hamburg Fire Department
Benefits apply while performing a Covered Activity.

LIMITATIONS THAT APPLY TO THE INCOME PROTECTION BENEFITS

1. Total Disability or Partial Disability claims resulting from athletic events that are not Organized League Athletic Events will be limited to a maximum period of up to 156 weeks.
2. In no event will benefits be payable to an Insured Person for more than one disability at the same time.
3. An Insured Person may reopen his or her claim at any time up to 5 years following a period of Total Disability or Partial Disability for either Covered Injuries or Covered Illnesses for which payments were made under this Policy.
4. If an Insured Person is covered by multiple Accident Policies issued by the Company, the total amount of Income Protection Benefits payable under all policies will be a weekly benefit amount up to a maximum of \$1,000.

EXCLUSIONS FOR MEDICAL EXPENSE BENEFIT AND THE PLASTIC SURGERY EXPENSE BENEFIT

In addition to the Exclusions provided under the Policy, no Medical Expense Benefit or Plastic Surgery Expense Benefits shall be payable for the following treatments or services, unless coverage is specifically provided:

1. benefits paid or payable under any Workers' Compensation Act or similar law, or under any no fault automobile insurance plan or similar law. If an Insured Person settles a Workers' Compensation claim, including medical expenses under Workers' Compensation, medical expenses rising from the injury or occupational disease that led to the Workers' Compensation claim will be deemed to be payable under Workers' Compensation for purpose of determining Covered Medical Expenses; or
2. any elective or routine treatment, surgery, health treatment, or examination, including any service, treatment or supplies that: (a) are deemed by the Company to be experimental or investigational; and (b) are not recognized and generally accepted medical practice in the United States.

EXCLUSIONS THAT APPLY TO THE LINE OF DUTY CANCER INITIAL DIAGNOSIS BENEFIT RIDER

1. The Line of Duty Cancer Initial Diagnosis Benefit is not payable for nonmelanoma cancer including but not limited to basal cell or squamous cell carcinoma skin cancers.

LIMITATIONS THAT APPLY TO THE LINE OF DUTY CANCER INITIAL DIAGNOSIS BENEFIT RIDER

1. Once a Line of Duty Cancer has been Diagnosed and an Initial Diagnosis Benefit is paid to the Insured Person, no further benefits are payable under the rider.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

DESCRIPTION OF BENEFITS

Section I: Death Benefits

- A. Covered Injury Death Benefit** - This benefit is payable if an Insured Person sustains a Covered Injury that directly causes the loss of life.
- B. Covered Illness Death Benefit** - This benefit is payable if an Insured Person suffers a Covered Illness that directly causes the loss of life.
- C. HIV Positive Diagnosis Lump Sum Benefit** - If Insured Person tests HIV Positive as a result of participation in a Covered Activity, the Insured Person may choose to receive the HIV Positive Diagnosis Lump Sum Benefit in lieu of the Permanent Physical Impairment Benefit and/or Covered Illness Death Benefit or Covered Injury Death Benefit.
- D. Bereavement Benefit** - If a Covered Injury Death Benefit or Covered Illness Death Benefit is payable under the Policy, an amount up to the Maximum Benefit Amount will be paid for out-of-pocket expenses actually incurred by the Policyholder or Participating Organization for the following expenses that are directly associated with an Insured Person's loss of life: 1) reasonable cost of bereavement counseling and 2) the reasonable costs associated with the memorial service, wake, honor guard, or other tribute to the Insured Person. This benefit is payable to the Policyholder or Participating Organization.
- E. Dependent Child Benefit** - If a Covered Injury or Covered Illness Death Benefit is payable under the Policy, an additional benefit is payable for each Dependent Child.
- F. Seatbelt Benefit** - If a Covered Injury Death Benefit is payable under the Policy and the Insured Person's death occurred in an Accident while he or she was wearing a properly fastened automobile seatbelt, the Seatbelt Benefit is payable.
Airbag Benefit - If the Seatbelt Benefit is payable, the additional Airbag Benefit Amount will be paid if the Insured Person was also positioned in a seat protected by a properly-functioning and properly deployed Supplemental Restraint System (Airbag) when the Accident occurred.
- G. Final Expenses Benefit** - If a Covered Injury or Covered Illness Death Benefit is payable under the Policy, an additional benefit will be paid for out-of-pocket expenses actually incurred by the beneficiary for expenses directly associated with an Insured Person's loss of life.
- H. Spousal Benefit** - If a Covered Injury Death Benefit or Covered Illness Death Benefit is payable under the Policy, an additional benefit is payable to the Insured Person's Spouse.
- I. Surviving Spouse Education Benefit** - If an Insured Person suffers a Covered Injury Death or Covered Illness Death, a benefit is payable for the surviving Spouse to enroll in an institution of higher learning, professional or trade training program as set forth in a written agreement between the Spouse and the Company which can be periodically reviewed. The Company shall pay the actual costs incurred by the Insured Person for tuition, books and supplies charged by the institution up the Maximum Benefit Amount provided in the Policy.
- J. Dependent Child Education Benefit** - If an Insured Person suffers a Covered Injury Death or Covered Illness Death and a death benefit is payable under this Policy, a benefit is payable for expenses incurred by each Dependent Child for tuition, fees, books, room and board, transportation and any other costs payable directly to a school, or approved and certified by the school, up to the Maximum Benefit Amount provided in the Policy.

Section II: Impairment Benefits

- A. Dismemberment, Loss of Speech or Hearing Benefit** - If an Insured Person sustains a Covered Injury that directly causes a loss of speech, hearing or a dismemberment as defined in the Policy, an amount equal to 6.25% up to 100% of the Principal Sum is payable, based on the level of loss or dismemberment.
- B. Vision Impairment Benefit** - If the Insured Person, as a result of a Covered Injury, suffers a vision impairment as defined in the Policy, an amount equal to 2.75% up to 100% of the Principal Sum is payable. Benefits are payable for partial loss of sight as well as total loss of sight.
- C. Cosmetic Disfigurement from Burns Benefit** - If an Insured Person, as a result of a Covered Injury, suffers a Cosmetic Disfigurement from Burn due to a burn that is classified as third degree or a full thickness burn, a benefit is payable. The amount of the benefit will be based on a formula, which will be multiplied by the Principal Sum. The formula will take into account the area of the body which was burned. This benefit will be paid in addition to any other benefit payable under the Policy, with the exception of a benefit paid under the Dismemberment, Loss of Speech or Hearing Benefit for the same burned area.
- D. Permanent Physical Impairment Benefit** - If an Insured Person suffers a Covered Injury or Covered Illness which results in a Permanent Physical Impairment of a body part, we will pay a PPI Benefit. The impairment percentage assigned by the Physician is multiplied by the Principal Sum to determine the benefit payable.
- E. Felonious Assault Benefit** - If an Insured Person is participating in a Covered Activity and sustains a Covered Injury caused by a Felonious Assault directed at the Insured Person, an additional benefit is payable.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

- F. Impairment Modification Benefit** - This benefit may be payable if, due to Total or Partial Disability, an Insured Person's physical limitation or impairment poses a safety risk or inhibits the Insured Person's ability to maintain independence in their current transportation or living situation. The benefit may pay for alterations to make the Insured Person's residence wheelchair accessible and/or habitable, and modifications to his or her motor vehicle. Impairment modifications are subject to written agreement and other requirements outlined in the Policy.
- G. Paralysis Benefit** - If an Insured Person suffers Paralysis resulting from a Covered Injury or Covered Illness, the Company will pay a percentage of the Principal Sum based on the type of Paralysis, provided that the Paralysis occurs within 365 days.
- H. Line of Duty Cancer Initial Diagnosis Benefit Rider** - This benefit is payable If an Insured Person is Diagnosed with a new Line of Duty Cancer by a Physician in the medical specialty appropriate for the type of cancer Diagnosed, subject to the Diagnostic Requirements and Benefit Payment Conditions.

Section III: Income Protection Benefits

A. Weekly Total Disability Benefits

- A.i. Covered Injury Minimum Weekly Total Disability Benefit** – For Volunteers, payable up to lifetime while the Insured Person is Totally Disabled. Paid in addition to any benefit from any source.
- A.ii. Covered Illness Minimum Weekly Total Disability Benefit** – For Volunteers, payable up to later of age 67 or five years, whichever is greater while the Insured Person is Totally Disabled. Paid in addition to any benefit from any source.
- A.iii. Covered Injury Weekly Earned Income Replacement Benefit** – For Volunteers, payable up to lifetime and up to the amount listed in the Policy while the Insured Person is Totally Disabled and the Minimum Weekly Total Disability Benefit is payable. The amount payable shall be computed by determining the Insured Person's Weekly Earned Income then subtracting the Minimum Weekly Total Disability Benefit and the Loss of Earnings Coverage as defined in the Policy.
- A.iv. Covered Illness Weekly Earned Income Replacement Benefit** - For Volunteers, payable up to later of age 67 or five years, whichever is greater and up to the amount listed in the Policy while the Insured Person is Totally Disabled and the Minimum Weekly Total Disability Benefit is payable. The amount payable shall be computed by determining the Insured Person's Weekly Earned Income then subtracting the Minimum Weekly Total Disability Benefit and the Loss of Earnings Coverage as defined in the Policy.
- B. Partial Disability Benefit** - If a Covered Injury or Covered Illness results in a Partial Disability and permits the Insured Person to return to any Reasonable Occupation but at a lower rate of Weekly Earned Income, a benefit is payable of up to the Maximum Weekly Total Disability Benefit which would have been paid had the Insured Person been Totally Disabled. For Volunteers, benefits are payable up to later of age 67 or five years.
- C. Cost of Living Adjustments** - Adjustments are made at the greater of 5% or the CPI-U (up to 8%) on the Review Date of the Covered Injury or Covered Illness continuous disability. COLA adjustments are compounded after each Review Date not to exceed three times the Maximum Weekly Total Disability Benefit amount.
- D. First Week Total Disability Benefit** - For the first week of Total Disability, a benefit of up to \$1,000 is payable. The amount payable shall be computed by determining the Insured Person's Weekly Earned Income then subtracting the Minimum Weekly Total Disability Benefit, the Weekly Earned Income Replacement Benefit and the Loss of Earnings Coverage.
- E. Transition Benefit** – If an Insured Member is released to return to his or her primary employment after having received disability benefits under this Policy due to Covered Injury or Covered Illness, and their position at their primary employer has been terminated due to said Covered Injury or Covered Illness, disability benefits previously payable will continue to be paid for a period of up to 26 weeks while the Insured Person actively seeks employment.
- F. Retraining Benefit** - If as a result of a Covered Injury or Covered Illness an Insured Person cannot find and maintain a Regular Occupation, the Company will pay for the Insured Person to enroll in an institution of higher learning, professional or trade training program as set forth in a written agreement between the Insured Person and us which can be periodically reviewed. The Company shall pay the actual costs incurred by the Insured Person for tuition, books and supplies charged by the institution up the Maximum Benefit Amount provided in the Policy. Benefits for disability will continue as provided by the Policy while the Insured Person is actively participating in the program.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

Section IV: Medical Expense Benefits

- A. Medical Expense Benefit** - If, as a result of a Covered Injury or Covered Illness, an Insured Person incurs charges for Covered Medical Expenses as defined in the Policy, we will pay 100% of the Reasonable and Customary Charges up to the Maximum Medical Expense Benefit Amount provided. This Maximum is payable for all Covered Medical Expenses resulting from the same Covered Injury or Covered Illness.
- B. Plastic Surgery Expense Benefit** - If an Insured Person incurs expenses that exceed the Maximum Medical Expense Benefit Amount provided under the Medical Expense Benefit, an additional amount from Covered Medical Expenses incurred for Medically Necessary plastic surgery due to a Covered Injury will be paid.

Section V: Additional Benefits

- A. Daily Hospital Confinement and Outpatient Treatment Benefit** - If, due to a Covered Injury or Covered Illness, an Insured Person:
 - is admitted to a Hospital on an Inpatient basis, a Daily Benefit Amount is payable for each full day of Inpatient Hospital confinement, not to exceed 730 days;
 - If after a period of being confined as an Inpatient in a Hospital, an Insured Person requires Outpatient physical therapy, rehabilitation and/or follow-up Physician visits, we will pay the Daily Benefit Amount for each day of such Outpatient treatment, not exceed 730 days; or
 - If an Insured Person does not require confinement as an Inpatient in a Hospital, but does require Outpatient physical therapy, rehabilitation and/or follow-up Physician visits, we will pay the Daily Benefit Amount for each day of such Outpatient treatment, not to exceed 365 days.

For Outpatient treatment, only one payment per day will be made, regardless of the number of appointments the Insured Person attends.

- B. Daily Critical Care Benefit** - If, due to a Covered Injury or Covered Illness, an Insured Person is Hospital confined to an intensive care, trauma, critical care, burn or similar specialty unit, a Daily Benefit Amount is payable for each full day of such confinement, not to exceed 730 days. This payment is in lieu of the Daily Hospital Confinement Benefit.
- C. Family Expense Benefit** - If, as a result of a Covered Injury or Covered Illness, an Insured Person requires medical treatment that causes an Immediate Family Member or a significant other to accompany the Insured Person for treatment or to help treat the Insured Person, a benefit is payable for reasonable expenses actually incurred and not reimbursed by another source up to the Family Expense Benefit limit. Expenses may include, but are not limited to; loss of wages, out of pocket expenses, hotel accommodations, parking, and childcare.
- D. Occupational Rehabilitation Benefit** - If an Insured Person is receiving Weekly Total Disability Benefits or Partial Disability Benefits, he or she may be eligible for a rehabilitation program. The Company will pay up to the Maximum Benefit Amount for the program as set forth in a written agreement. The goal of the rehabilitation program will be to return an Insured Person to the workforce in a Reasonable Occupation for which he or she is reasonably suited considering the Covered Injury or Covered Illness sustained.
- E. Mental Stress Management Benefit** - If, as a direct result of being actively engaged in a single emergency incident or repeated active engagement in emergency incidents involving the organization, an Insured Person suffers psychiatric or mental stress, a Mental Stress Management Benefit is payable. The Insured Person must be receiving care by a Physician properly licensed to provide care appropriate for the condition causing the psychiatric or mental stress.
- F. Traumatic Incident Benefit** - A benefit is payable for reasonable expenses for the services provided by a Traumatic Incident Stress Management Team, if such services are requested and authorized by the organization as a result of a Traumatic Incident. Expenses must be incurred within one year of the Traumatic Incident and are subject to the Traumatic Incident Benefit limit in the policy. The Traumatic Incident Aggregate Maximum Benefit Amount is the maximum that will be paid per Traumatic Incident regardless of the number of persons treated.
- G. Health Insurance Premium Benefit** - If, disability benefits are paid under the Policy, and as a result of a Covered Injury or Covered Illness, the medical or health insurance premiums previously paid the Insured Person's employer have been discontinued, the Company shall pay the amount the employer previously paid for those premiums. The benefit is payable if the Insured Person incurs out of pocket costs for said premiums.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

DEFINITIONS

Accident or Accidental means a sudden, unexpected, specific and abrupt event that occurs by chance at an identifiable time and place while the Insured Person is covered under this Policy.

Appropriate Care means the determination of an accurate and medically supported diagnosis of the Insured Person's Total or Partial Disability by a Physician, or a plan established by a Physician of ongoing medical treatment and care of the Total or Partial Disability that conforms to generally accepted medical standards, including frequency of treatment and care.

Auxiliary Member means any person who is a member of the auxiliary to the Policyholder at the time of Covered Injury or Covered Illness.

Benefit Period means the period, shown on the *Policy Schedule of Benefits*, commencing with the date of the onset of the Total Disability or Partial Disability during which benefits are payable.

Career Personnel means employees or members of the organization that receive Weekly Earned Income for regularly working at least 30 cumulative hours per week as an emergency service provider for the Policyholder.

Community Volunteer means a non-member who helps the Policyholder and/or the auxiliary of the organization, in a non-emergency capacity such as fund raisers, banquets, etc.

Cosmetic Disfigurement from Burns means a cosmetic disfigurement that is due to a burn that is classified as a third degree or full-thickness burn caused by a source that is thermal, chemical, electrical, or nuclear. The surface area must be documented by a Physician according to the Rule of Nines or the Lund-Browder chart.

Covered Activity means any activity which is normal for an Insured Person while acting on behalf of the Policyholder and includes travel directly to and from such activity, as well as impromptu action (Good Samaritan) at the scene of an emergency regardless of the Policyholder's involvement. Covered Activity includes all athletic events sponsored by the Policyholder with the exception of Organized League Athletic Events, unless such coverage is purchased. The Covered Activity must be performed at the direction, or with knowledge, of an officer of the Policyholder, unless immediate action is required of the Insured Person at the scene of an emergency not on behalf of the Policyholder or any other organization.

Covered Illness means any disease, sickness or infection, other than those related to psychiatric illness or mental stress, contracted or suffered by an Insured Person during or resulting from a Covered Activity while this Policy is in force.

Covered Illness Death means any Covered Illness, other than those related to psychiatric illness or mental stress, contracted or suffered by an Insured Person during or resulting from a Covered Activity while this Policy is in force and results in the death of an Insured Person.

Covered Injury means Accidental bodily injury sustained by the Insured Person during and/or resulting directly from an Insured Person's participation in a Covered Activity while coverage under the Policy is in force (independent of sickness, disease, mental incapacity or any other cause) and which is not otherwise defined as a Covered Illness.

Covered Injury Death means a Covered Injury sustained by an Insured Person during and/or resulting directly from a Covered Activity while this Policy is in force, and which results in the death of an Insured Person.

Covered Medical Expenses means the Reasonable and Customary Charges for any of the following services: medical or surgical treatment, preventative inoculation, Hospital confinement, Home Healthcare, nursing services prescribed and monitored by a Physician, Post exposure Prophylaxis protocol (PEP) treatment, when such treatment is advised by the attending Physician, Infectious Disease screening test (s), or Post exposure preventive inoculations as a result of participation in a Covered Activity.

CPI-U means the Consumer Price Index for all Urban Consumers, published by the United States Department of Labor. The Company reserves the right to use some other similar measurement if the Department of Labor changes or stops publishing the CPI-U.

Dependent Child means any unmarried child of an Insured Person who is dependent and under the age of 26 upon an Insured Person and claimed on an Insured Person's most current federal tax return or qualified court document showing at least 50% financial responsibility.

Diagnosed/Diagnosis means a definitive and unequivocal diagnosis identifiable by a code under the most current ICD code structure made by a Physician who specializes in the condition for which benefits are being claimed: (1) based upon the use of clinical and/or laboratory investigations as supported by the Insured Person's medical records; and (2) meeting any Diagnostic Requirements set forth in this Policy for Line of Duty Cancer. The disease or infirmity shall be presumed to have been caused by or to have resulted from the work performed. This presumption shall be rebuttable by evidence meeting judicial standards.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

Emergency Volunteer means a person physically present at the time of the emergency, and who is not responding/acting as a member of any emergency service organization, who has been specifically requested to assist by the Chief, Line Officer or other officer in charge of the emergency.

Felonious Assault means any willful or unlawful use of force upon an Insured Person:

- 1. with the intent to cause bodily injury to an Insured Person;
- 2. that results in bodily harm to an Insured Person; and
- 3. that is a felony or misdemeanor in the jurisdiction in which it occurs.

Felonious Assault does not include any willful or unlawful use of force upon an Insured Person by another Insured Person.

Home Healthcare means Medically Necessary services provided and billed by the Home Health Agency. Such services must be prescribed and supervised by a Physician in accordance with a medical treatment.

Home Health Agency means an entity engaged in arranging and providing nursing services, home health services or other therapeutic and related services. The entity and must be certified by a competent governmental authority in the jurisdiction where the services are rendered, as meeting requirement of Title XVIII of the Social Security Any, as amended, for home health agencies.

Hospital means an institution that meets all of the following:

- 1. it is licensed as a Hospital pursuant to applicable law;
- 2. it is primarily and continuously engaged in providing medical care and treatment to sick and injured persons;
- 3. it is managed under the supervision of a staff of medical doctors;
- 4. it provides 24-hour nursing services by or under the supervision of a graduate registered nurse (R.N.);
- 5. it has medical, diagnostic and treatment facilities, with major surgical facilities on its premises, or available on a prearranged basis; and
- 6. it charges for its services.

Hospital shall include a Veteran’s Administration Hospital or Federal Government Hospital and the requirement that a patient must incur an expense as an Inpatient shall be waived.

Infectious Disease means a disease included within the list of potentially life-threatening infectious diseases, developed by the Secretary of Health and Human Services, pursuant to Title XXVI of the Public Health Service Act.

Immediate Family Member means a person who is related to the Insured Person in any of the following ways: Spouse, parent (includes stepparent), brother or sister (includes stepbrother or stepsister), child (includes legally adopted or stepchild), grandparent, grandchild, brother-in-law, sister-in-law, daughter-in-law, son-in-law, mother-in-law, or father-in-law.

Inpatient means confined overnight as a registered bed-patient in a Hospital or other medical facility where at least one day’s room and board is charged. The confinement must be on the advice of a Physician.

Insured Person means any person who is listed as an Eligible Person on the *Policy Schedule of Benefits*.

Line of Duty Cancer means malignant neoplasms/melanoma of the following body areas and organ systems:

- 1. Central and Peripheral Nervous System;
- 2. Oropharyngeal;
- 3. Respiratory Tract;
- 4. Gastrointestinal Tract;
- 5. Hepatobiliary;
- 6. Solid Organ and Endocrine;
- 7. Genitourinary and Male Reproductive;
- 8. GYN;
- 9. Skin, Soft Tissue, and Breast; and
- 10. Bone and Blood.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

Loss of Earnings Coverage means any disability benefits or salary continuance received from:

1. the benefits payable in accordance with any Workers' Compensation Act or Occupational Disease Act or Law, or any other law which provides compensation for an occupational injury;
2. the income benefit provided by or through any automobile insurance plan or any government plan of automobile insurance or similar insurance regulation or law;
3. the salary continuation or severance allowance provided by or through the employer;
4. the disability, retirement or other income benefits provided by or through the employer, the Policyholder, or the Insured Person; and
5. the amounts paid or payable under any group plan or insurance policy.

Loss of Earnings Coverage does not include disability benefits received from individual disability insurance paid by Insured Person, or any disability benefits payable under the United States Federal Social Security Act. If an Insured Person settles a Workers' Compensation claim, including Loss of Earnings or similar provisions of Workers' Compensation, the presumed amount of those Workers' Compensation benefits shall be considered Loss Earnings Coverage for the entire duration of the Insured Person's Total Disability or Partial Disability.

Medically Necessary means medical services that: (1) are essential for diagnosis, treatment or care of the Covered Injury or Covered Illness for which it is prescribed or performed; (2) meet generally accepted standards of medical practice; and (3) are ordered by a Physician and performed under his or her care, supervision or order.

Nurse means a licensed graduate registered Nurse (R.N.) or a licensed practical Nurse (L.P.N.) who is not:

1. the Insured Person;
2. an Immediate Family Member of either the Insured Person or the Insured Person's Spouse;
3. a person living in the Insured Person's household; or
4. a person employed or retained by the Policyholder.

Named Insured means any organization listed as a Participating Organization on the *Policy Schedule of Benefits*.

Organized League Athletic Event means any type of sporting event or activity that occurs during a pre-planned schedule of practices, games, matches and/or tournaments over a specific season and may include the usage of a team roster, designated uniforms, umpires/referees, or fees paid to participate.

Organized League Athletic Covered Activity means preparation for, participation in, and travel to and from, an Organized League Athletic Event sponsored or approved by the Policyholder.

Other Valid and Collectible Insurance means: (1) any group plan, program or insurance policy; (2) any other group hospital, surgical or medical benefit plan; or (3) any union welfare plan or group employer or employee benefit program. Other valid and collectible insurance will not include benefits provided by the United States Social Security Act or any individual disability insurance plan.

Outpatient means an Insured Person who is a patient and is not hospitalized overnight but who visits a Hospital, clinic, or associated facility for diagnosis or treatment.

Partial Disability or Partially Disabled means, for an Insured Person with an occupation producing wages as described in the definition of Weekly Earned Income, the inability to perform one or more, but not all, of the material and substantial duties of his or her own occupation as a result of a Covered Injury or Covered Illness. If an Insured Person does not have an occupation producing wages as described in the definition of Weekly Earned Income, Partial Disability or Partially Disabled means:

1. the inability to perform one or more, but not all of the material and substantial duties of an occupation for which an Insured Person is qualified by reason of education, training or experience; or
2. the inability to perform one or more, but not all of the regular activities of an Insured Person.

An Insured Person must be under the regular care of a Physician during Partial Disability.

Permanent Physical Impairment means a physical impairment or functional abnormality of a body part or parts or loss of at least 10% whole person which remains after maximum medical rehabilitation has been achieved and which is considered stable or non-progressive by the examining Physician at the time of evaluation.

Physician means a licensed health care provider practicing within the scope of his or her license and rendering care and treatment to the Insured Person that is appropriate for the condition and locality, and who is not:

1. the Insured Person;
2. an Immediate Family Member of either the Insured Person or the Insured Person's spouse;
3. a person living in the Insured Person's household;
4. a person employed or retained by the Policyholder; or

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

5. a person providing homeopathic, aroma-therapeutic, or herbal therapeutic services.

Policy Term means the time period defined for the Policyholder shown on the *Policy Schedule of Benefits*.

Reasonable and Customary Charge(s) means a charge that:

- 1. is made for a Covered Medical Expense;
- 2. does not exceed the usual level of charges for similar treatment, services or supplies in the locality where the expense is incurred (for a Hospital room and board charge, other than for a Medically Necessary stay in an intensive care unit or a cardiac care unit, does not exceed the Hospital's most common charge for semi-private room and board); and
- 3. does not include charges that would not have been made if no insurance existed.

Reasonable Occupation means any occupation for which an Insured Person is reasonably fitted based on education, training or experience and an Insured Person could expect to generate the lesser of \$75,000 annually or at least 70% of his or her Weekly Earned Income.

Regular Occupation means the Insured Person's primary occupation at the time of disability for which he or she was receiving remuneration.

Review Date means the date after 52 weeks of continuous disability.

Spouse means the Insured Person's lawful spouse.

Total Disability or Totally Disabled means that for the first 5 years from the date of a Covered Injury or onset of a Covered Illness, an Insured Person:

- 1. is not able to perform the substantial and material duties of his or her occupation; and
- 2. is receiving Appropriate Care.

After 5 years from the date of a Covered Injury or onset of a Covered Illness, Total Disability or Totally Disabled means that due to a Covered Injury or a Covered Illness an Insured Person:

- 1. is not able to engage in any Reasonable Occupation;
- 2. is not working at any other occupation; and
- 3. is receiving Appropriate Care.

Traumatic Incident means an abnormal experience involving the Policyholder, outside the range of usual human experiences and that includes: 1) line of duty death or serious injury to other Insured Persons; 2) a single incident having multiple casualties; 3) death or serious injury of a child; 4) dealing with victims known to the Insured Person, and 5) similar incidents that would reasonably require mental health care for the entire Policyholder or a significant number of members of the Policyholder.

Traumatic Incident Stress Management Team means an organized group of mental health professionals and peer support individuals trained to provide support services to emergency service organization personnel. Such support services include traumatic incident stress defusing, debriefing, demobilization, stress reduction education, spousal support, one-on-one interviews, or on-the-scene support.

Weekly Earned Income means the greater of an Insured Person's:

- 1. average income earned on a weekly basis at the time the disability starts; or
- 2. average income earned on a weekly basis for the period of one year prior to the start of disability for which a claim is made.

If an employer, other than himself, employs an Insured Person, Weekly Earned Income will be computed from an Insured Person's regular, over-time and shift differential wages. Weekly Earned Income shall be substantiated by pay stubs, W-2 Forms, other employment records, tax records, and/or other records which We may reasonably request. Commission earnings will be computed using an average of 24 months of previous commission earnings.

If an Insured Person is self-employed, Weekly Earned Income will be computed from the amount reported by an Insured Person on page 1 of the IRS Form 1040 series, which includes amounts from Schedules C and F, and from qualifying income from Schedule E which is included in the amount reported by an Insured Person on page 1 of IRS Form 1040 series.

If the Insured Person is a commissioned sales person, Weekly Earned Income will be any salary or wages and commissions received from the Employer. This will be based on the Statement of Wages Earned and Taxes Withheld (Form W-2) for the fiscal year ending immediately prior to the date of the Insured Person's disability.

Plans of Insurance for the Township of Hamburg Fire Department

Benefits apply while performing a Covered Activity.

Weekly Earned Income does not include rent, royalties, investment income, passive income, estate and trust income and REIT/REMIC income regardless of an Insured Person's active involvement in generating said forms of income, an Employer's contributions to any deferred compensation plan or pension plan on the Insured Person's behalf, stock options, or any other income not derived directly from an Insured Person's occupational activities.



LINE OF DUTY CANCER INITIAL DIAGNOSIS BENEFIT RIDER FOR EMERGENCY SERVICE ORGANIZATIONS

Those who put their lives on the line for their families, friends, and neighbors deserve protection of their own. The Accident & Health insurance coverage available to you through Provident is designed specifically to meet the unique needs of firefighters, EMTs, and emergency service organizations personnel.

Cancer is the second leading cause of death in the United States.¹ According to a study conducted by the National Institute for Occupational Safety and Health, in comparison to the general U.S. population, firefighters are 9 percent more likely to receive a cancer diagnoses and 14 percent more likely to die from the disease.² In order to more effectively respond to this upward trend of cancer diagnoses in emergency responders, **we will be excluding cancer from the Accident & Health policy so that we can offer you our new Line of Duty Cancer Initial Diagnosis Benefit Rider.** This benefit has no age limit. The list of cancers covered, shown below, are extensive and cover many of the cancers typically diagnosed in firefighters. **You now have the opportunity to purchase this new Line of Duty Cancer Initial Diagnosis Benefit Rider.**

Line of Duty Cancer means malignant neoplasms/melanoma of the following body areas and organ systems:

- Central and Peripheral Nervous System
- Oropharyngeal
- Respiratory Tract
- Gastrointestinal Tract
- Hepatobiliary
- Solid Organ and Endocrine
- Genitourinary and Male Reproductive
- GYN
- Skin, Soft Tissue, and Breast
- Bone and Blood

This benefit is available in the following states: Alaska, Arkansas, Illinois, Kansas, Kentucky, Michigan, Montana, North Carolina, Oregon, Pennsylvania, South Dakota, and Wisconsin

Please note with this new offering, effective for all renewal policies beginning July 1, 2024, cancer will be excluded from the Accident & Health policy. Cancer will be excluded from all new business proposals quoted on or after May 1, 2024.

THIS IS A BLANKET ACCIDENT ONLY POLICY. The Accident & Health insurance coverage is underwritten by AXIS Insurance Company under policy form series number VFBACC-001-0513. Coverage is subject to exclusions and limitations and may not be available in all US states and jurisdictions. Product availability and plan design features, including eligibility requirements, descriptions of benefits, exclusions or limitations may vary depending on local country or US state laws. The amount of benefits provided depends upon the plan selected and the premium will vary with the amount of the benefits selected.

¹ CDC. An Update on Cancer Deaths in the United States. Atlanta, GA: Division of Cancer Prevention and Control; 2021.
² "Firefighters and Cancer." NFPA, www.nfpa.org/News-and-Research/Resources/Emergency-Responders/Health-and-Wellness/Firefighters-and-cancer; 2023.

Provident:
Your Trusted Leader For Providing Customized Insurance Solutions For Emergency Service Organizations

With more than 95 years' experience providing bespoke coverages for firefighters and emergency responders, Provident continues to be a pioneer in developing insurance programs for ESOs, FDs, firefighters, EMS providers, police officers, arson investigators, and other emergency service providers.

Available Benefit Options

- Lump Sum Benefit Amounts of \$2,500 - \$100,000



SCAN TO VISIT OUR WEBSITE!

PO Box 11588, Pittsburgh, PA 15238
Email: info@providentins.com
Phone: 800-447-0360



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

TO: Board of Trustees

FROM: Michelle DeLancey, Director of Accounting & HR

DATE: October 28, 2024

AGENDA ITEM TOPIC: Provident Accident & Health Policy

Number of Supporting Documents: **03**

Requested Action

Motion to approve the present plan (or plan #x) for the Provident Accident & Health Policy, to direct the Supervisor to sign the Invoice & Bind Request, and to direct the accounting department to submit the first annual premium in the amount of \$x,xxx.

Background

This plan is administered through Acisure and covers a three-year period. The current plan expires on December 1, 2024. The recommendation is to renew the present plan for three years at \$4,470, no increase.



ACRISURE®
INVOICE & BIND REQUEST

DATE: October 28, 2024

Hamburg Township, Livingston County
 10405 Merrill Road
 P.O. Box 157
 Hamburg MI 48139-0157

Provident Accident & Health Policy #PRCO-92621-MI10383
Premium Due & Effective: 12/1/2024

<u>PLAN #</u>	<u>PREMIUM:</u>
<input type="checkbox"/> Present Plan – Annual Premium	\$4,470
<input type="checkbox"/> Plan 1 – Annual Premium Including \$5,000 Cancer Benefit	\$5,312
<input type="checkbox"/> Plan 2 – Annual Premium Including \$10,000 Cancer Benefit	\$6,210

TOTAL PREMIUM SUBMITTED: \$ _____

** Please mark the box of the plan you are selecting.*

PLEASE MAKE CHECK PAYABLE & SUBMIT TO:

BURNHAM & FLOWER INSURANCE GROUP
315 South Kalamazoo Mall
Kalamazoo, MI 49007

SIGNATURE: _____ DATE: _____

**PROPOSAL TO ACT
AS DISSEMINATION AGENT
TO THE
TOWNSHIP OF HAMBURG, MICHIGAN**

Agreement to Provide for
Preparation of an Annual Information Statement
And to Act as Dissemination Agent for the
Township of Hamburg, Michigan

Whereas, the Township of Hamburg, County of Livingston, State of Michigan (the “Issuer”), in connection with the issuance of the Issuer’s \$1,730,000 Capital Improvement Refunding Bonds, Series 2012 (Limited Tax General Obligation) (the “Bonds”) has, pursuant to the requirement of Rule 15c2-12 of the U.S. Securities and Exchange Commission (the “Rule”) entered into a Continuing Disclosure Undertaking (the “Undertaking”) dated July 31, 2012, to provide continuing disclosure pursuant to said Rule, which is attached hereto as Exhibit A and incorporated herein by reference; and

Whereas, the Undertaking requires the Issuer to submit an Annual Information Statement and annual audited financial statement for each fiscal year ending after June 30.

Whereas the Issuer hereby determines that it is in their best interest to designate Bendzinski & Co. Municipal Finance Advisors (“Bendzinski & Co.”) to serve as their dissemination agent for the purpose of preparing an annual information statement and submitting same to the Municipal Securities Rulemaking Board (“MSRB”) through Electronic Municipal Market Access (“EMMA”), in accordance with the Undertaking, for the Bonds, any outstanding Issues and all future issues of the Issuer for the next five (5) years pursuant to such undertaking(s).

Now therefore be it resolved that:

1. The Issuer hereby agrees to appoint Bendzinski & Co. Dissemination Agent for the purpose of preparing the annual information statement and the submission of same to the MSRB through EMMA, in accordance with the rule and in accordance within the time requirements set forth in the Undertaking for the Bonds.
2. The Issuer agrees to provide, prior to the sale of any future bond issues and prior to its adoption copies of debt issuance documents including the Continuing Disclosure Undertaking for review by Bendzinski & Co., so that Bendzinski & Co. may confirm that such future Undertakings adequately meet the requirements of the Rule.
3. The Issuer agrees to provide all documents and proceedings required by the Rule or Undertaking to Bendzinski & Co. within a reasonable time and at no cost therefore so that Annual Information Statement can be prepared.

4. It is expressly understood by all parties hereto that this Agreement related only to the preparation and submission of the Annual Information Statement to the MSRB through EMMA, if required, in accordance with the Rule and the time requirements set forth in the Undertaking, together with the submission of the audited financial statements when such audited financial statements are made available to Bendzinski & Co. This agreement does not relate to the timely submission of reporting of significant events or the monitoring of such situations from time to time as may be necessary to comply with any notification requirements set forth in the Undertaking, which obligations shall remain and be the sole responsibility of the Issuer.
5. Bendzinski & Co. hereby agrees to commit its physical facilities and personnel to whatever extent necessary in order to fulfill its obligation under this Agreement in order to ensure that the Issuer is in compliance with the terms and conditions of the Undertaking with respect to the Rule.
6. In addition to the services above, Bendzinski & Co. will, at no additional cost, provide municipal advisory advice such as:
 - A. Review of outstanding debt for refinancing opportunities;
 - B. Provide schedules for new debt issue that the Township may be considering; and
 - C. Advise on any prepayment of outstanding debt.
7. In consideration whereof, the Issuer hereby agrees to compensate Bendzinski & Co. the sum of \$1,000.00 annually for the first five (5) years, commencing with the fiscal year ending after June 30, 2024. Commencing with the Issuer's fiscal year ending after June 30, 2028, the parties agree to renegotiate an annual fee for such service that is mutually agreeable to both parties.
8. For significant events requiring notice to the MSRB through EMMA in the Undertaking, the Issuer may retain the services of Bendzinski & Co. in accordance with the terms of this Agreement, and agrees to compensate Bendzinski & Co. for the services of its professional staff at the rate of \$175.00 per hour. The retention of Bendzinski & Co. under this section shall not relieve the Issuer of the timely submission of reporting of significant events as defined in Section 4 of this Agreement.
9. In addition to the fees set forth above, the Issuer agrees to reimburse Bendzinski & Co. for all travel and out-of-pocket expenses, duplicating costs, long-distance telephone expense and postage incurred at the request of and on behalf of the Issuer upon submittal of such changes.

10. This Agreement may be terminated by either party by thirty (30) days written notice directed to:

Robert J. Bendzinski, President
Bendzinski & Co. Municipal Finance Advisors
17000 Kercheval Ave, Suite 230
Grosse Pointe, MI 48230

IN WITNESS THEREOF, the Issuer has caused this Agreement to be executed by its _____ on this _____st/th day of _____, 2024.

Township of Hamburg
County of Livingston
State of Michigan


Witness

By _____
Its

Bendzinski & Co.
Municipal Finance Advisors



Witness


Robert J. Bendzinski, President
Registered Municipal Advisor

STATEMENT OF INTENT TO FILE INFORMATION
REQUIRED FOR THE CONTINUING DISCLOSURE UNDERTAKING

I, _____, _____, as an authorized officer of the Township of Hamburg, Michigan, decline to hire Bendzinski & Co. to serve as the dissemination agent. Therefore, I hereby acknowledge and agree on behalf of the Township to file the information required pursuant to Continuing Disclosure Undertaking on an annual basis to the MSRB through EMMA pursuant to the Undertaking dated July 31, 2012, adopted by the Township for the \$1,730,000 Capital Improvement Refunding Bonds, Series 2012 (Limited Tax General Obligation)

By: _____
(Name & Title)

Dated: _____



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

TO: Board of Trustees

FROM: Michelle DeLancey, Director of Accounting & HR

DATE: October 28, 2024

AGENDA ITEM TOPIC: Bendzinski & Co. Dissemination Agent Agreement

Number of Supporting Documents: **01**

Requested Action

Motion to direct the Supervisor to sign the Dissemination Agent Agreement as presented.

HAMBURG TOWNSHIP GENERAL FUND
 BUDGET AMENDMENTS
 October 30, 2024
 1st Quarter

Item 16.

LINE ITEM NUMBER	LINE ITEM DESCRIPTION	INCREASE (DECREASE)	COMMENTS
Revenues			
101-000.000-685.003	Opioid Settlement	6,200	August 2024 settlements
101-751.000-674.000	Contributions/Donations/Grants	54,000	Approx. \$50,000 for St 11/election box work
NET REVENUES		60,200	
Expenditures			
Township Board			
101-101.000-980.000	Capital Equipment/Capital Imp	50,000	Approx. \$50,000 for St 11/election box work
		50,000	
Supervisor			
101-171.000-718.000	Health/Dental/Vision Insurance	1,500	Change in coverage
		1,500	
Accounting			
101-201.000-955.000	Sundry	650	Job postings & physical
		650	
Elections			
101-262.000-851.000	Postage	5,500	Previously expensed to 101-275
101-262.000-931.000	Equipment Maint/Repair	2,500	To account for prepaids
		8,000	
Other Expenses			
101-275.000-708.000	Unemployment Compensation	1,700	Exceeded projection
		1,700	
Recreation Board			
101-751.000-758.000	Diesel Fuel	2,300	Exceeded projection
101-751.000-917.000	Sewer Usage	660	Exceeded projection
101-751.000-919.000	Trash Disposal	2,600	Exceeded projection
101-751.000-920.000	Electric	4,200	Exceeded projection
		9,760	
NET EXPENDITURES		71,610	
NET INCREASE/(DECREASE) IN FUND BALANCE		(11,410)	

HAMBURG TOWNSHIP ROAD FUND
BUDGET AMENDMENTS
October 30, 2024
1st Quarter

LINE ITEM NUMBER	LINE ITEM DESCRIPTION	INCREASE (DECREASE)
<u>Revenues</u>		<hr/>
		-
<u>Expenditures</u>		<hr/>
		-
NET INCREASE/(DECREASE) IN FUND BALANCE		-

HAMBURG TOWNSHIP FIRE FUND
BUDGET AMENDMENTS
October 30, 2024
1st Quarter

	LINE ITEM NUMBER	LINE ITEM DESCRIPTION	INCREASE (DECREASE)	COMMENTS
<u>Revenues</u>				
	NET REVENUES		-	
<u>Expenditures</u>				
	NET EXPENDITURES		-	
	NET INCREASE/(DECREASE) IN FUND BALANCE		-	

HAMBURG TOWNSHIP POLICE FUND
BUDGET AMENDMENTS
October 30, 2024
1st Quarter

	LINE ITEM NUMBER	LINE ITEM DESCRIPTION	INCREASE (DECREASE)	COMMENTS
<u>Revenues</u>				
		NET REVENUES	-	
<u>Expenditures</u>				
		NET EXPENDITURES	-	
		NET INCREASE/(DECREASE) IN FUND BALANCE	-	

HAMBURG TOWNSHIP DPW FUND
BUDGET AMENDMENTS
October 30, 2024
1st Quarter

<u>LINE ITEM NUMBER</u>	<u>LINE ITEM DESCRIPTION</u>	<u>INCREASE (DECREASE)</u>	<u>COMMENTS</u>
Revenues			
590-538.000-644.100	Main Line Extension	6,000	Exceeded projections
590-538.000-646.200	Grinder Pump Purchase	<u>20,000</u>	Exceeded projections
NET REVENUES		<u>26,000</u>	
Expenditures			
590-538.000-946.100	Engineering Services - Freedom River	<u>17,500</u>	Exceeded projections, offset with revenue accts.
NET EXPENDITURES		<u>17,500</u>	
NET INCREASE/(DECREASE) IN FUND BALANCE		<u><u>8,500</u></u>	



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

TO: Board of Trustees

FROM: Michelle DeLancey, Director of Accounting & HR

DATE: October 30, 2024

AGENDA ITEM TOPIC: Budget Amendments Qt 1 FY 24/25

Number of Supporting Documents: **01**

Requested Action

- Motion to approve the first quarter budget amendments as presented.

Background

HAMBURG TOWNSHIP - ARPA GRANT SUMMARY

AS OF: October 25, 2024

Money Received in 2021:	\$2,285,711.74	Expenses To Date	Balance of Amended Cost Remaining
Board Approval:	12/4/2022		
Project Name:	Pole Barn/Carport B&G		
Original Estimated Project Cost:	\$145,000		
Amended Estimated Project Cost:	\$150,877		
Year to Date Expenses :		\$162,997.64	(\$12,120.64)
Board Approval:	4/4/2022		
Project Name:	M-36 sewer Loop		
Original Estimated Project Cost:	\$800,000		
Amended Estimated Project Cost:	\$600,000		
Year to Date Expenses:		\$635,429.05	(\$35,429.05)
Board Approval:	4/4/2022		
Project Name:	Police Department Addition		
Original Estimated Project Cost:	\$800,000		
Amended Estimated Project Cost:	\$1,150,000		
Year to Date Expenses:		\$1,382,300.71	(\$232,300.71)
Board Approval:	4/4/2022		
Project Name:	Clerk's High Speed Tabulator		
Original Estimated Project Cost:	\$100,000		
Amended Estimated Project Cost:	\$98,875		
Year to Date Expenses:		\$98,875.00	\$0.00
Board Approval:	1/18/2022		
Project Name:	Parks & Rec Grant Match		
Original Estimated Project Cost:	\$200,000		
Amended Estimated Project Cost:			
Year to Date Expenses:		\$0.00	\$200,000.00
	YEAR TO DATE EXPENSES:	\$2,279,602.40	(\$79,850.40)
	RECEIVED LESS EXPENSES:	\$6,109.34	
	ALLOCATED ARPA MONEY TO DATE:	\$2,199,752.00	
	YEAR TO DATE EXPENSES:	\$2,279,602.40	(\$79,850.40)



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

TO: Board of Trustees

FROM: Michelle DeLancey, Director of Accounting & Human Resources

DATE: October 25, 2024

AGENDA ITEM TOPIC: ARPA update as of 10/25/2024

Number of Supporting Documents: **1**

Requested Action

- Motion to approve the ARPA update of as October 25, 2024, and to exhaust the remaining balance on the Police department building expansion.

Background

Of the \$2,285,711.74 in ARPA funds received in 2021, \$6,109.34 remains as of October 25, 2024. I propose to exhaust the remaining balance on further invoices pertaining to the Police department building expansion.