

**Regular Meeting of the Mt. Pleasant City Commission**  
**Monday, March 27, 2023**  
**7:00 p.m.**

**AGENDA**

CALL TO ORDER:

PLEDGE OF ALLEGIANCE:

LAND ACKNOWLEDGEMENT STATEMENT:

ROLL CALL:

PROCLAMATIONS AND PRESENTATIONS:

ADDITIONS/ DELETIONS TO AGENDA:

PUBLIC INPUT ON AGENDA ITEMS:

RECEIPT OF PETITIONS AND COMMUNICATIONS:

1. Minutes of the Airport Joint Operations and Management Board (February).

CONSENT ITEMS:

2. Approval of the minutes from the regular meeting held March 13, 2023.
3. Consider commitment to purchase road salt for the 2023-2024 season through the State of Michigan MIDEAL Extended Purchasing Program.
4. Consider Michigan Department of Transportation (MDOT) resolution authorizing a contract for continued operation and maintenance of the AWOS system at the Mt. Pleasant Airport.
5. Receive an ordinance to amend Chapter 110: General Licensing and set a public hearing for April 10, 2023, on the same.
6. Consider approval of a contract with McGuirk Sand and Gravel for the 2023 Local Streets Reconstruction Project and approve accompanying budget amendments.
7. Consider approval of the purchase of a 2022 Ford Transit van from Krapohl Ford for the recreation department.
8. Consider approval of Payrolls and Warrants.

PUBLIC HEARINGS:

NEW BUSINESS:

*All interested persons may attend and participate. Persons with disabilities who need assistance to participate may call the Human Resources Office at 989-779-5313. A 48-Hour advance notice is necessary for accommodation. Hearing or speech impaired individuals may contact the City via the Michigan Relay Service by dialing 7-1-1.*

## City Commission Agenda

March 27, 2023

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9. Consider authorizing City staff to seek funding opportunities for a universally accessible community garden/orchard at Horizon Park and consider resolution to set the rental fee for plots.
10. Prioritize and approve submission of City requests for Saginaw Chippewa Indian Tribe 2% allocations.

ANNOUNCEMENTS ON CITY-RELATED ISSUES AND NEW BUSINESS:

PUBLIC COMMENT ON AGENDA AND NON-AGENDA ITEMS:

RECESS:

WORK SESSION:

11. Central Michigan University Strategic Planning.

CLOSED SESSION:

ADJOURNMENT:

*All interested persons may attend and participate. Persons with disabilities who need assistance to participate may call the Human Resources Office at 989-779-5313. A 48-Hour advance notice is necessary for accommodation. Hearing or speech impaired individuals may contact the City via the Michigan Relay Service by dialing 7-1-1.*

TO: MAYOR AND CITY COMMISSION

MARCH 27, 2023

FROM: AARON DESENTZ, CITY MANAGER

SUBJECT: CITY MANAGER REPORT ON AGENDA ITEMS

Proclamations and Presentations:

Receipt of Petitions and Communications:

Consent Items:

3. Consider commitment to purchase road salt for the 2023-2024 season through the State of Michigan MIDEAL Extended Purchasing Program.
  - a. The City is required to place a reservation for the purchase of salt through the State's MiDeal program in April of each year. The City Commission is asked to approve an advanced commitment of 500 tons of road salt.
4. Consider the Michigan Department of Transportation (MDOT) resolution authorizing a contract for continued operation and maintenance of the AWOS system at the Mt. Pleasant Airport.
  - a. The City's AWOS system is used for monitoring weather and communicates this information to the Federal Aviation Administration (FAA). The City contracts with MDOT for the maintenance and information dissemination of this equipment. The City Commission is asked to approve a five-year contract with MDOT for this service at \$4,500 per year.
5. Receive an ordinance to amend Chapter 110: General Licensing and set a public hearing for April 10, 2023, on the same.
  - a. The City Commission is asked to set a public hearing to consider a proposed ordinance amendment related to food trucks and transient merchants. A copy of the proposed ordinance and a redlined copy of the changes can be found in your packet. The proposed ordinance amendment:
    - i. Clarifies language related to the types of businesses that require a license and the context in which a license is not required such as at the Farmers Market.
    - ii. Sets requirements for operation in a City park
    - iii. Requires operation be conducted 150 feet away from a permanent business with a food license during regular hours of operation
    - iv. Designates areas in the City which food trucks can operate
6. Consider approval of a contract with McGuirk Sand and Gravel for the 2023 Local Streets Reconstruction Project and approve accompanying budget amendments.
  - a. Staff is recommending that the City Commission approve a contract with McGuirk Sand and Gravel for the reconstruction of Gaylord Street between Washington and University and Palmer Street between Main and University and upgrades to the storm sewer. This would include the installation of new curb and gutter, sidewalk, and sidewalk ramps. The total bid is \$416,908 and requires a budget amendment of \$33,230 in the Local Street fund and \$1,690 in the Storm Sewer fund and a corresponding transfer from the local street fund.

7. Consider approval of the purchase of a 2022 Ford Transit van from Krapohl Ford for the recreation department.
  - a. Staff is requesting the City Commission approve the purchase of a 2022 Ford Transit van. The van would be used by the Recreation Department for transporting recreation materials and personnel. The cost for the van is \$33,911 and is under the \$35,000 budgeted allocation. Staff is recommending this purchase be exempt from the bid requirements of the purchasing policy as a single source purchase under section XI of the policy as Krapohl's has the van available now.

Public Hearings:

New Business:

9. Consider authorizing City staff to seek funding opportunities for a universally accessible community garden/orchard and set the fee for annual plot rental
  - a. Staff is requesting approval to seek funding for a community garden to be located at Horizon Park. I will present the concept at the next City Commission meeting and answer any questions that the City Commission may have.

Recommended Action: A motion to authorize City Staff to seek funding opportunities of approximately \$10,000 to construct a universally accessible community garden/Orchard at Horizon Park. A motion to approve the resolution for the annual plot rental fee.

10. Prioritize and approve submission of City requests for Saginaw Chippewa Indian Tribe 2% allocations.
  - a. The City Commission annually reviews staff requests for 2% Allocation Grants through the Saginaw Chippewa Indian Tribe. Proceeds from certain types of gaming are offered by the SCIT as part of this grant program. As part of this review the City Commission is asked to rank the top five (5) projects for consideration from the Tribe. Each Commissioner will state their top five (5) projects that are a priority for them. We will then provide the collective top 5 ranking to the Tribe while submitting all of the grant applications to the Tribe. The Tribal Council considers these priority projects listed by the City Commission when making their awards.

Recommended Action: Feedback on the top 5 projects is needed from each City Commissioner.

Work Session:

11. Central Michigan University Strategic Planning.
  - a. Representatives from CMU will be at the next City Commission meeting to solicit feedback for the college's strategic plan. They will use the slide deck included in your packet to help frame the conversation, with the majority of the time being spent on the following three questions:
    - i. How can CMU differentiate itself from competitors and provide significant value to students as a regional comprehensive research university in the future?
    - ii. How can CMU differentiate itself from competitors and provide significant value to students as a regional comprehensive research university in the future?



- iii. How can CMU positively impact the following in a rapidly changing world:
  - 1. Communities?
  - 2. Meeting employer expectations?
  - 3. Meeting societal needs?

Closed Session:

# **AIRPORT JOINT OPERATIONS AND MANAGEMENT BOARD**

Meeting Minutes

**Thursday, February 16, 2023**

**3:30 – 5:00 p.m.**

**Airport Terminal Building**

I. Call to Order

Chairman Nanney called the meeting to order at 3:37 p.m.

II. Roll Call

Member	Present
Aaron Desentz	Yes
James McBryde	Yes
Rodney Nanney	Yes
Tim Nieporte	No
Gayle Ruhl	No

Staff present: Jason Moore

III. Additions/Deletions to Agenda

Motion by McBryde, support by Desentz, to remove Item D from the agenda until more Board members are present

Motion approved unanimously

IV. Public Input on Agenda Items

None

V. Approval of Meeting Minutes – January 2023 - Attachment

Motion by McBryde, support by Desentz, to accept the minutes as written

Motion passed unanimously

VI. Airport Manager's Report – January 2023 - Attachment

VII. Old Business

None

VIII. New Business

- a. Update on airport-centered zoning amendments

This item will be removed from future agendas until further notice

- b. Discuss design for airport courtesy car vinyl wrap – Attachments

- c. Discuss project ideas for 2023 CVB Destination Marketing Grant

(Deadline is Sept. 2023)

Discussion was held regarding funding an event in time for the 2023  
Maple Syrup Festival

d. A regional approach to airport governance?

<https://www.secondwavemedia.com/upword/features/chippewaaviationterminal.aspx>

i. Introduction

No action taken

IX. Announcements on Airport Related Issues and Concerns

MMDC has updated their website (mmdc.org) and obtained the airport  
advertisement brochure

Nanney mentioned the Township will be going through their Master Plan process  
soon. The Mt. Pleasant Area Convention and Visitors Bureau awarded the \$7,000  
to the airport courtesy car vinyl wrap.

X. Public Comment on Non-Agenda Items

None

XI. Adjournment

Minutes of the regular meeting of the City Commission held Monday, March 13, 2023, at 7:00 p.m., in the City Commission Room, 320 W. Broadway St., Mt. Pleasant, Michigan with virtual options.

Mayor Perschbacher called the meeting to order.

The Pledge of Allegiance was recited.

Land Acknowledgement statement was recited.

Commissioners Present: Mayor Amy Perschbacher and Vice Mayor Mary Alsager; Commissioners Liz Busch, Bryan Chapman, Maureen Eke & Boomer Wingard

Commissioners Absent: Brian Assmann

Others Present: City Manager Aaron Desentz and City Clerk Heather Bouck

#### Proclamations and Presentations

Public Safety Director Lauria introduced and swore in Mt. Pleasant Police Officer Dave Coffman and introduced new records office professional Terrie House.

#### Additions/Deletions to Agenda

Moved by Commissioner Eke and seconded by Commissioner Wingard to approve the Agenda as amended with the addition of item #20 The Care Store Gaming Resolution. Motion unanimously adopted.

#### Receipt of Petitions and Communications

Received the following petitions and communications:

3. Monthly report on police related citizen complaints received.
4. Parks and Recreation Commission January Meeting Minutes.
5. Planning Commission February Meeting Minutes.
6. 2022 Annual Report.
7. 2022 Planning Commission Annual Report.

Moved by Commissioner Eke and seconded by Commissioner Busch to approve the following items on the Consent Calendar:

8. Minutes of the regular meeting of the City Commission held February 27, 2023.
9. Minutes of the special meeting of the City Commission held March 6, 2023.
10. Amendment to purchase authorization for police vehicles.
11. Resolution to purchase, acquire and construct improvements to the Water Resource Recovery System and to publish notice of intent to issue revenue bonds as follows:

WHEREAS, the City Commission deems it to be in the best interests of the City of Mt. Pleasant (the "City") to design, purchase, acquire and construct certain improvements to the City's Water Resource Recovery System and the wastewater treatment facility, including without limitation, equalization improvements, septage screen unit and building improvements, grit vortex tank improvements, grit handling building improvements, digester improvements, site grading and restoration work, upgrade and replace primary, biological, and final filtration treatment processes, encompassing the existing primary tanks, tertiary towers, rotating biological contactors, and final tanks with new treatment technology, design and implement new processes to better handle loading demands more efficiently, as well as all work, equipment, and appurtenances necessary or incidental to these improvements and such other improvements to the Water Resource Recovery System as the City may determine to make (the "Improvements"), and to finance the Improvements by the issuance of bonds pursuant to Act 94, Public Acts of Michigan, 1933, as amended ("Act 94"); and

WHEREAS, pursuant to Section 33 of Act 94, it is necessary to publish a Notice of Intent to Issue Bonds for the Improvements; and

WHEREAS, the City may proceed with the Improvements prior to the issuance of the bonds; and

WHEREAS, the City may incur substantial capital expenditures for the Improvements prior to the issuance of the bonds, and desires to be reimbursed for such expenditures from the proceeds of the bonds.

NOW, THEREFORE, BE IT RESOLVED that:

1. The City Commission determines to design, purchase, acquire, and construct the Improvements and to pay the cost through the issuance of one or more series of revenue bonds pursuant to Act 94 for the Improvements in an amount not to exceed \$18,000,000 (the "Bonds").

2. A Notice of Intent to issue the Bonds be published in accordance with Section 33 of Act 94, and the Clerk of the City is authorized and directed to publish the Notice of Intent to Issue Bonds in a newspaper of general circulation in the City, which Notice shall be substantially in the form on the attached Exhibit A, with such changes as may be approved by the City Manager of the City.

3. The City may proceed to acquire and construct the Improvements using available funds of the City from the Water Resource Recovery Fund, which is a fund for the Water Resource Recovery System of the City, and other funds of the City.

4. At such time as the City issues the Bonds for the long-term financing of the Improvements, the City shall be reimbursed for its expenditures for the Improvements out of the proceeds of the Bonds.

5. This resolution and the expression of intent to seek reimbursement from future proceeds of the Bonds is intended to satisfy the requirements of Section 150 of the Internal Revenue Code of 1986, as amended.

6. The firm of Dickinson Wright PLLC is hereby employed as bond counsel to the City to prepare the documents for the issuance of the Bonds for financing acquisition of the Improvements and the officers of the City are

authorized to enter into an engagement letter with bond counsel with fees as shown in the reports of the City's municipal advisor.

**All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution are rescinded.**

12. Contract for reimbursement with Isabella County Road Commission for the Pickard-Bradley traffic signal. The City's share of the project is \$84,100 and is included in the fiscal year 2023 budget.
13. Contract with G.A. Hunt Excavating, LLC of St. Johns, Michigan for the 2023 storm sewer extension project in the amount of \$164,101.04.
14. Contract with PlanIT Geo, Inc., of Arvada, Colorado for tree inventory services in the amount of \$29,645.
15. Purchase of Aktivov Asset Management Software in the amount of \$37,962.00 and budget amendment of \$15,000 from the General Fund for same.
16. Receive City requests for Saginaw Chippewa Indian Tribe 2% allocations.
17. Warrants dated March 2 and 8, 2023 all totaling \$455,026.38.

Motion unanimously adopted.

John Zang and Lisa Sytsema provided a presentation on the Mid-Michigan Aquatic Recreation Authority audit requirement.

Moved by Commissioner Alsager and seconded by Commissioner Eke to approve waiver of audit requirement for Mid-Michigan Aquatic Recreation Authority. Motion unanimously adopted.

Moved by Commissioner Eke and seconded by Commissioner Busch to approve proposal for comprehensive analysis of fire services from the Center for Public Safety Management and budget amendment for same. Motion unanimously adopted.

Moved by Commissioner Eke and seconded by Commissioner Busch to approve the resolution for The Care Store in relation to their application for a State of Michigan Gaming License. Motion unanimously adopted.

#### Announcements on City-Related Issues And New Business

Commissioner Eke announced CMU would be hosting the annual Pow Wow on March 18<sup>th</sup> and 19<sup>th</sup> at McGuirk Arena. The International Relations Committee will be hosting high school students from Japan the end of July. March is Women's History month.

Commissioner Chapman shared the raffle to support The Care Store will be taking place April 1<sup>st</sup>.

Commissioner Busch announced the Mt Pleasant High School Musical *Mamma Mia* is taking place this weekend, March 17-19<sup>th</sup>.

Commissioner Wingard shared his thoughts on the overnight parking tickets recently being enforced and his appreciation for the City Staff and the follow-up that took place.

Director Lauria reminded everyone that Friday is St Patrick's Day. There will be extra patrols on staff for the event and to be safe.

Moved by Commissioner Eke and seconded by Commissioner Wingard to adjourn the meeting at 7:38 p.m. Motion unanimously adopted.

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Amy Perschbacher, Mayor

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Heather Bouck, City Clerk

# Memorandum



TO: Aaron Desentz, City Manager  
FROM: Jason Moore, DPW Director  
DATE: March 15, 2023  
SUBJECT: Approved Road Salt Advanced Commitment for 2023-2024

## Request

The City Commission is requested to approve an advanced commitment of 500 tons of road salt through the MiDeal Program.

## Reason

The City purchases road salt through the State of Michigan's MiDeal Extended Purchasing Program. To obtain the best pricing, the State requires MiDeal participants to place an advanced reservation for road salt early in the year for the next winter season. The 2023-2024 pricing will be determined after the State receives the bids in August and awards the contract.

The deadline to place the reservation is April 5, 2023. We are seeking approval to reserve 500 tons as a seasonal backup quantity for 2024, as we have sufficient quantity on hand for the start of the 2023-2024 winter season. Funds for this purchase will be included in the 2024 operating budget.

## Recommendation

I recommend the City Commission approve the advanced commitment of 500 tons of road salt through the State of Michigan's MiDeal Extended Purchasing Program.



# Memorandum



TO: Aaron Desentz, City Manager  
FROM: Jason Moore, DPW Director  
DATE: March 15, 2023  
SUBJECT: MDOT Contract 2023-0310 and Resolution for AWOS Operation and Maintenance

## Request

The City Commission is requested to approve a resolution and authorize City Manager Desentz to digitally sign a contract with the Michigan Department of Transportation (MDOT) for the continued operation and maintenance of the Automated Weather Observation (AWOS) and data dissemination system at the Mt. Pleasant Municipal Airport.

## Reason

The AWOS system automatically observes the weather and sends the data through a satellite link-up system to the Federal Aviation Administration's national weather reporting system. This information is made available to any pilot with radio capability or a computer, improving the accessibility and safety for aircraft that may land at the Mt. Pleasant airport under instrument flying conditions. The City has contracted with MDOT for the maintenance and information dissemination since the AWOS was installed more than 20 years ago.

In May 2018, the City Commission approved a five-year maintenance and operation agreement for the AWOS, contract No. 2018-0388. That contract expires on July 31, 2023. The new contract will be effective from August 1, 2023 to July 31, 2028.

MDOT and the City share the maintenance costs equally. The cost estimate for this contract is approximately \$4,500 per year.

## Recommendation

I recommend the City Commission approve the resolution and authorize City Manager Desentz to digitally sign MDOT contract 2023-0310 for the maintenance and continued operation of the AWOS system at the airport for the contract period August 1, 2023 to July 31, 2028.

**RESOLUTION**

At a regular meeting of the City of Mt. Pleasant, Michigan, on May 29, 2018, held at City Hall, 320 W. Broadway Street:

The following resolution was offered by member \_\_\_\_\_, and supported by member \_\_\_\_\_.

**WHEREAS**, the Michigan Department of Transportation provides services consisting of data dissemination and maintenance related to the AWOS system at the Mt. Pleasant Municipal Airport; and

**WHEREAS**, the City of Mt. Pleasant supports these services for providing an added level of safety at the airport; and

**WHEREAS**, the annual costs to the City of Mt. Pleasant are on a 50% cost sharing formula with MDOT;

**NOW, THEREFORE, BE IT RESOLVED**, that Aaron Desentz, City Manager, be authorized to execute MDOT contract 2023-0310 on behalf of the City of Mt. Pleasant.

Resolution duly adopted.

\_\_\_\_\_  
Amy Perschbacher, Mayor

Certified to be a true copy, \_\_\_\_\_  
(Date)

\_\_\_\_\_  
Heather Bouck, City Clerk

**MICHIGAN DEPARTMENT OF TRANSPORTATION**

**CITY OF MOUNT PLEASANT**

**CONTRACT**

This Contract is made and entered into between the Michigan Department of Transportation (MDOT) and the City of Mount Pleasant (AGENCY) for the purpose of setting forth the obligations and intent of MDOT and the AGENCY as they pertain to the continued operation and maintenance of a Weather Observation and Data Dissemination System (SYSTEM) at the Mount Pleasant Municipal Airport in Mount Pleasant, Michigan, to enhance aviation safety and efficiency.

**Recital:**

The SYSTEM is made up of three components or subsystems, commonly known as (a) the Automated Weather Observation System (AWOS), (b) a system to collect the AWOS data for national dissemination (Data Collection System), and (c) a Weather Briefing System.

The parties agree that:

**THE AGENCY WILL:**

1. Retain ownership of all components of the AWOS and the Weather Briefing System but not the Data Collection System.
2. Provide the following:
  - a. For the AWOS component:
    - i. A location within the airport's boundaries that meets the installation requirements of the current version of Federal Aviation Administration (FAA) Order 6560.20.
    - ii. A location within the terminal building for the AWOS display. Access by pilots to this location during normal business hours will be at the discretion of the AGENCY.
  - b. For the Data Collection System component: A location within the terminal building for the computer equipment.

- c. For the Weather Briefing System component:
  - i. All necessary hardware, software, and internet services to allow access to the secure website of the weather briefing system provider.
  - ii. A location within the terminal building for the computer hardware that is available to pilots during the terminal building's normal business hours.
- 3. Provide one local telephone line and electrical power in accordance with the following:
  - a. The telephone line must be a single party line dedicated to the AWOS component.
  - b. Electrical power requirements:
    - i. 240V, 60Hz, 15 amps, or greater circuit dedicated to the AWOS component.
    - ii. 120V, 60Hz, 15 amps, or greater circuit for computer hardware provided by the AGENCY for the Weather Briefing System component and the Data Collection System component.
    - iii. Pumps, motors, and similar units must be on a separate circuit.
- 4. Not charge for direct or telephone dial-up access to the AWOS or use of the computer provided by the AGENCY for access to the website of the weather briefing service provider.
- 5. Provide MDOT, its maintenance representative, and/or the Data Collection System service provider (Provider) with access to the SYSTEM upon advance notice for maintenance and for installation, if necessary.
- 6. Pay one hundred percent (100%) of the operational costs for electrical power usage, the telephone line, and internet service. These costs cannot be applied as credit toward the AGENCY's fifty percent (50%) share of the maintenance costs and service charges.
- 7. Pay MDOT fifty percent (50%) of the maintenance costs and SYSTEM service charges incurred by MDOT, including administrative costs and costs of scheduled and unscheduled work performed under this Contract, upon being invoiced by MDOT. (See Attachment 1 for AWOS maintenance costs that could be incurred by MDOT.) Maintenance costs incurred by the AGENCY will not be included in the total costs incurred by MDOT, nor will they be applied as credit toward the AGENCY's fifty percent (50%) share of the maintenance costs and service charges.
- 8. Pay one hundred percent (100%) of the costs to repair damaged underground AWOS cables. If MDOT conducts these repairs, the AGENCY will be invoiced for one hundred

percent (100%) of the costs. The AGENCY may pay MDOT directly for reimbursement of these repair costs or may file a claim with its insurance company for reimbursement. The AGENCY will not be liable for any costs for repairs to any AWOS cable damaged by MDOT.

9. Perform at its sole expense the following maintenance activities:
  - a. Keep the area within one hundred (100) feet of the AWOS mowed to a height not to exceed ten (10) inches.
  - b. Protect the integrity of any underground cables by preventing any trenching or tilling over them.
  - c. Protect the area within one thousand (1,000) feet of the AWOS wind sensors by preventing any construction, preventing the storage of large aircraft, clearing those trees identified by MDOT, and controlling the growth of all trees and vegetation in the area, including preventing the growth of any vegetation within the stone pad area around the AWOS and removing any vegetation that grows within this pad.
  - d. Provide assistance to MDOT, the Provider, and the weather briefing service provider for minor troubleshooting, such as checking telephone circuits for dial tone, making visual inspections of sensors, resetting circuit breakers and equipment, making display and equipment checks, replacing units, and resolving telecommunication/internet connection issues.
  - e. Clear snow to allow access to AWOS, as necessary.
10. Not modify the SYSTEM in any way without the express written consent of MDOT, the FAA, and/or the Provider.
11. Maintain, or have its operators and vendors maintain, for the duration of this Contract, insurance of the types and amounts provided herein with insurance companies authorized to do business in the State of Michigan. Such insurance will cover all operations under this Contract. The AGENCY will furnish MDOT with certificate(s) of insurance in a form satisfactory to MDOT. The certificate(s) will provide that the policies will not be changed or cancelled until thirty (30) days' written notice of change or cancellation is given to MDOT. In the event that a written notice of change or cancellation is given, MDOT may, at its option, terminate this Contract. The State of Michigan and its departments, agents, boards, commissions, and all employees thereof will be named as additional insureds on all liability policies relating to the provision of services under this Contract.
  - a. Workers' Compensation Insurance providing coverage consistent with the workers' compensation statutes and rules for the State of Michigan. Employer's

Liability Insurance with minimum limits of Three Hundred Thousand Dollars (\$300,000.00) per occurrence will be provided.

- b. Comprehensive General Liability Insurance providing limits of Three Hundred Thousand Dollars (\$300,000.00) per occurrence and Five Hundred Thousand Dollars (\$500,000.00) aggregate will be provided. Property damage limits of at least One Hundred Thousand Dollars (\$100,000.00) will be included. A combined single limit policy of Three Hundred Thousand Dollars (\$300,000.00) per occurrence and Five Hundred Thousand Dollars (\$500,000.00) aggregate may be utilized. Coverage will include minimum personal injury protection and contractual liability.
  - c. Property Insurance providing replacement cost coverage for the systems, including all cabling, that are part of this Contract. Coverage will be in the amount of One Hundred Seventy-Five Thousand Dollars (\$175,000.00) per occurrence.
12. Allow MDOT to review all new construction plans for compliance with current AWOS siting standards as set forth in the latest version of FAA Order 6560.20.
13. Comply with any and all federal, state, and local statutes, ordinances, and regulations and obtain all permits that are applicable to the entry into and the performance of this Contract.
- MDOT WILL:
14. Arrange with the Provider for the installation of the Data Collection System, if necessary.
15. Make arrangements with the weather briefing service provider for access to its secure website.
16. Pay all invoices associated with the operation and maintenance of the SYSTEM except the invoices for electrical power, the telephone line, and internet service.
17. Bill the AGENCY for fifty percent (50%) of the service charges and maintenance costs incurred by MDOT for providing management of the SYSTEM and the entire weather network and for conducting scheduled and unscheduled maintenance of the AWOS. (See Attachment 1 for AWOS maintenance costs that could be incurred by MDOT.)
18. Bill the AGENCY for one hundred percent (100%) of the costs incurred by MDOT for repairing damaged AWOS cables. MDOT will not bill the AGENCY for costs incurred to repair any AWOS cables damaged by MDOT.

19. Perform the FAA-required scheduled and unscheduled maintenance of the AWOS. MDOT will provide the FAA Form 6030-1 logbook for entry of all maintenance activities.
20. Replace defective boards and components with serviceable spare items from MDOT's inventory of spare items. In addition, MDOT will make necessary arrangements for the purchase of replacement items or for factory repairs when necessary and will pay the factory for those purchases and repairs and for shipping. MDOT will bill the AGENCY for these costs in accordance with Section 17 above.
21. Provide the AGENCY with advance notice of intent to perform scheduled and unscheduled maintenance to allow satisfactory arrangements to be made for access to the SYSTEM.
22. Train AGENCY personnel on proper procedures for making entries in the FAA Form 6030-1 logbook and the AWOS equipment logbook.
23. Act as the AGENCY's representative regarding compliance with FAA rules, regulations, advisory circulars, and directives pertaining to the maintenance and operation of the AWOS.
24. Act as the AGENCY's representative regarding compliance with Federal Communications Commission (FCC) rules and regulations, including modification and renewal of the FCC license for the AWOS transmitter.
25. Discontinue the weather briefing and data collection services and remove the associated components in the event of the following:
  - a. The AGENCY does not comply with the provisions of this Contract; or
  - b. The AGENCY no longer wishes to participate in the program.

#### GENERAL CONDITIONS:

26. The Provider will retain ownership of the Data Collection System.
27. The AGENCY (hereinafter in Appendix A referred to as the "contractor") will comply with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts," as set forth in Appendix A, dated June 2011, attached hereto and made a part hereof. This provision will be included in all subcontracts relating to this Contract.
28. In accordance with 1980 PA 278, MCL 423.321 *et seq.*, the AGENCY, in performance of this Contract, will not enter into a contract with a subcontractor, manufacturer, or supplier listed in the register maintained by the United States Department of Labor of employers who have been found in contempt of court by a federal court of appeals on not less than



three (3) occasions involving different violations during the preceding seven (7) years for failure to correct unfair labor practices, as prohibited by Section 8 of Chapter 372 of the National Labor Relations Act, 29 USC 158. MDOT may void this Contract if the name of the AGENCY or the name of a subcontractor, manufacturer, or supplier utilized by the AGENCY in the performance of this Contract subsequently appears in the register during the performance period of this Contract.

29. In addition to the protection afforded by any policy of insurance, the AGENCY agrees to indemnify and save harmless the State of Michigan, the Michigan State Transportation Commission, the Michigan Aeronautics Commission, MDOT, the FAA, and all officers, agents, and employees thereof:
- a. From any and all claims by persons, firms, or corporations for labor, services, materials, or supplies provided to the AGENCY in connection with the AGENCY's performance of this Contract; and
  - b. From any and all claims for injuries to or death of any and all persons, for loss of or damage to property, for environmental damage, degradation, and response and cleanup costs, and for attorney fees and related costs arising out of, under, or by reason of the AGENCY's performance of the services under this Contract, except claims resulting from the sole negligence or willful acts or omissions of said indemnitee, its agents, or its employees.

MDOT will not be subject to any obligations or liabilities by contractors of the AGENCY or their subcontractors or any other person not a party to the Contract without its specific consent and notwithstanding its concurrence with or approval of the award of any contract or subcontract or the solicitation thereof.

It is expressly understood and agreed that the AGENCY will take no action or conduct that arises either directly or indirectly out of its obligations, responsibilities, and duties under this Contract that results in claims being asserted against or judgments being imposed against the State of Michigan, the Michigan State Transportation Commission, the Michigan Aeronautics Commission, MDOT, and/or the FAA, as applicable.

In the event that the same occurs, it will be considered as a breach of this Contract, thereby giving the State of Michigan, the Michigan State Transportation Commission, the Michigan Aeronautics Commission, MDOT, and/or the FAA, as applicable, a right to seek and obtain any necessary relief or remedy, including, but not limited to, a judgment for money damages.

30. With regard to claims based on goods or services that were used to meet the AGENCY's obligation to MDOT under this Contract, the AGENCY hereby irrevocably assigns its right to pursue any claims for relief or causes of action for damages sustained by the State of Michigan or MDOT due to any violation of 15 USC, Sections 1 - 15, and/or 1984 PA 274, MCL 445.771 - 445.788, excluding Section 4a, to the State of Michigan or MDOT.



The AGENCY shall require any subcontractors to irrevocably assign their rights to pursue any claims for relief or causes of action for damages sustained by the State of Michigan or MDOT with regard to claims based on goods or services that were used to meet the AGENCY's obligation to MDOT under this Contract due to any violation of 15 USC, Sections 1 - 15, and/or 1984 PA 274, MCL 445.771 - 445.788, excluding Section 4a, to the State of Michigan or MDOT as a third-party beneficiary.

The AGENCY shall notify MDOT if it becomes aware that an antitrust violation with regard to claims based on goods or services that were used to meet the AGENCY's obligation to MDOT under this Contract may have occurred or is threatened to occur. The AGENCY shall also notify MDOT if it becomes aware of any person's intent to commence, or of commencement of, an antitrust action with regard to claims based on goods or services that were used to meet the AGENCY's obligation to MDOT under this Contract.

31. Either party may terminate this Contract upon sixty (60) days written notice to the other party.
32. The parties agree that this Contract constitutes the entire contract between the parties and supersedes any and all prior contracts or oral understandings.
33. This Contract will be in effect from the date of award (the date of the final signature) through five (5) years, unless it is terminated by either party in accordance with Section 31.

Michigan Department of Transportation

34. This Contract will become binding on the parties and of full force and effect upon signing by the duly authorized representatives of the AGENCY and MDOT and upon adoption of a resolution approving said Contract and authorizing the signature(s) thereto of the respective representative(s) of the AGENCY, a certified copy of which resolution will be sent to MDOT with this Contract, as applicable.

CITY OF MOUNT PLEASANT

By: \_\_\_\_\_  
Authorized Signer

MICHIGAN DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_  
Title: Department Director

Approved as to Legal Form  
3-10-23 J.S.

Michigan Department of Transportation

## ATTACHMENT 1

### **Items Included in AWOS Maintenance Expenses That Could Be Incurred by MDOT**

#### Scheduled Maintenance

Inspections FAA-required annual and two tri-annual inspections in accordance with the FAA-approved AWOS Manufacturer's Logbook. Expenses include labor and travel.

Preventative May include, but is not limited to, such items as testing and servicing of uninterruptible power supply (UPS) and batteries, cleaning aspirator fan and tube, measuring processor and ceilometer battery levels, overall cleaning and checking condition of all components. Expenses may include labor, travel, and materials.

#### Unscheduled Maintenance

Outages Includes troubleshooting and repairs and may include replacement of defective components with MDOT serviceable spares. May also include the costs to repair defective items by outside facilities and/or the purchase of new replacement items. Expenses include labor, travel, materials, outside vendor repairs and purchases, and shipping.

#### Administration

Involves a share of the oversight of the entire weather network, and includes activities that are not location-specific but are general in nature to all locations. Expenses include, but are not limited to, contract administration and compliance, system monitoring, calibration and repair of required test equipment and standards, items and supplies purchased that will be used for all locations, and time spent to arrange and coordinate inspection schedules with the FAA and to review Miss Dig tickets.

## **APPENDIX A**

### **PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS**

In connection with the performance of work under this contract; the contractor agrees as follows:

1. In accordance with Public Act 453 of 1976 (Elliott-Larsen Civil Rights Act), the contractor shall not discriminate against an employee or applicant for employment with respect to hire, tenure, treatment, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, or marital status. A breach of this covenant will be regarded as a material breach of this contract. Further, in accordance with Public Act 220 of 1976 (Persons with Disabilities Civil Rights Act), as amended by Public Act 478 of 1980, the contractor shall not discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants will be regarded as a material breach of this contract.
2. The contractor hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
3. The contractor will take affirmative action to ensure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status, or any disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment; treatment; upgrading; demotion or transfer; recruitment; advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
4. The contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status, or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
5. The contractor or its collective bargaining representative shall send to each labor union or representative of workers with which the contractor has a collective bargaining agreement or other contract or understanding a notice advising such labor union or workers' representative of the contractor's commitments under this Appendix.
6. The contractor shall comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission that may be in effect prior to the taking of bids for any individual state project.

7. The contractor shall furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission; said forms may also elicit information as to the practices, policies, program, and employment statistics of each subcontractor, as well as the contractor itself, and said contractor shall permit access to the contractor's books, records, and accounts by the Michigan Civil Rights Commission and/or its agent for the purposes of investigation to ascertain compliance under this contract and relevant rules, regulations, and orders of the Michigan Civil Rights Commission.
8. In the event that the Michigan Civil Rights Commission finds, after a hearing held pursuant to its rules, that a contractor has not complied with the contractual obligations under this contract, the Michigan Civil Rights Commission may, as a part of its order based upon such findings, certify said findings to the State Administrative Board of the State of Michigan, which State Administrative Board may order the cancellation of the contract found to have been violated and/or declare the contractor ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, including the governing boards of institutions of higher education, until the contractor complies with said order of the Michigan Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the contractor is declared ineligible to contract as a contracting party in future contracts. In any case before the Michigan Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Michigan Civil Rights Commission to participate in such proceedings.
9. The contractor shall include or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Michigan Civil Rights Commission; all subcontracts and purchase orders will also state that said provisions will be binding upon each subcontractor or supplier.

Revised June 2011

# Memorandum



TO: Aaron Desentz, City Manager

FROM: William R. Mrdeza  
Community Services & Economic Development Director *W.R.M.*

DATE: March 16, 2023

SUBJECT: Set Public Hearing for Amendments to the General Licensing Code

## Background:

The City's General Licensing Code regulates certain aspects of business operations in the City, including such activities as junk dealers, pawnbrokers, vendors, mobile food service providers, going out of business sales, and pedicabs. Most recently the mobile food truck section of the ordinance (Section 110.28) and related sections were amended to clarify and update the language in the ordinance to reflect current conditions and circumstances around how the ordinance pertaining to mobile food service providers is currently being applied, especially during events.

Changes to the original ordinance language include 1) clarifying the types of businesses and activities that do not require vendor licensing, 2) clarifying that vendors selling at an art fair, farmers' market, festival or similar city endorsed and/or city sponsored event shall be licensed but are not required to pay the annual license fee, 3) removal of "transient merchant" as a classification under the definition of "Mobile Food Service Provider" so the ordinance now recognizes only one licensing category, and 4) providing a distinction between public and private property when discussing allowable activities. The revisions also clarify the documentation required at the time of application.

Other changes to the ordinance include 1) a requirement to obtain permission from the Parks Director when proposing to operate in a City Park, 2) that Mobile Food Service Providers shall not be located within 150 feet of a permanent business with a food license during the business's hours of operation when operating on private property, and 3) provides several exceptions for providers when operating on private property. Finally, the ordinance is changed from the original C-2 Central Business District zoning classification to the CBD-TIFA District in regard to where Mobile Food Service Providers are allowed to operate. This change was necessary because the zoning districts were reclassified when the current zoning ordinance was adopted and the current CD-5 district does not encompass the same geographic area as the previous C-2 district. Additional on-street parking places where Mobile Food Service Vendors can operate besides in the downtown area remain unchanged.



# Memorandum



As a result of these amendments, the revised ordinance has been reviewed by staff and legal counsel and is ready for City Commission consideration. This is the first of a two part process as practiced by the City: set a public hearing date on the proposed changes, then hold the public hearing at a separate meeting and act on any recommendations.

## Requested Action:

At their March 27, 2023 meeting, the City Commission is requested to properly advertise and set a public hearing date for April 10, 2023 after which the Commission is asked to adopt the attached proposed amended General Licensing Code.

## Attachments:

Chapter 110, City of Mt. Pleasant General Licensing Code as amended  
Chapter 110, City of Mt. Pleasant General Licensing Code (redline/strike out)

## CHAPTER 110: GENERAL LICENSING

### Section

#### ***General Provisions***

110.01	Business licenses required; state license no exemption
110.02	Application for license; investigations
110.03	Exhibition of license
110.04	Suspension or revocation of licenses
110.05	Expiration date; renewal of license
110.06	Licenses non-transferable
110.07	Compliance with laws required
110.08	Payment of fees; exemption
110.09	License Review Board
110.10	Delegation of duties
110.11	Required licenses

#### ***Regulations for Specific Businesses***

110.25	Junk dealers
110.26	Pawnbrokers
110.27	Vendors
110.28	Mobile food service providers
110.29	Going out of business sales
110.30	Pedicabs
110.99	Penalty

### **GENERAL PROVISIONS**

#### **§ 110.01 BUSINESS LICENSES REQUIRED; STATE LICENSE NOT EXEMPTION.**

- (A) No person shall, directly or indirectly, operate, conduct, maintain or manage any business or premises for which any license or permit is required by any provision of this chapter or code without first procuring a license or permit from the city in the manner prescribed in this chapter.
- (B) The fact that a license or permit has been granted to any person by the state to engage in the operation, conduct, maintenance or management of any business or premises shall not exempt such person from the necessity of procuring a license or permit from the city if such license is required by the chapter.
- (Ord. 888, passed 2-24-03) Penalty, see § 110.99

#### **§ 110.02 APPLICATION FOR LICENSE; INVESTIGATIONS.**

- (A) *Application.* Each person or entity required to procure a license from the city shall make application for said license to the City Clerk in the form and manner prescribed by him or her. The application shall include the following:



- (1) The full names, dates of birth, business addresses of the applicant or entity and residence addresses of all owners, proprietors, officers, members, partners and managers of applicant's business;
  - (2) The place or places in the city where it is proposed to maintain applicant's business and the length of time during which it is proposed that such business be conducted.
  - (3) The wares, merchandise or services to be sold or offered for sale by applicant in the city;
  - (4) The nature and kind of business which applicant proposes to conduct and the manner of operating the same;
  - (5) Whether or not the applicant or person conducting or managing applicant's business has been convicted of a felony, misdemeanor or the violation of any municipal ordinances and, if so, full particulars in connection therewith.
- (B) *Investigations.*
- (1) Upon receipt by the City Clerk of an application for the license required § 110.01, the City Clerk or his or her designee shall investigate the applicant's business and moral character for the protection of the public good. The investigation shall be conducted within two business day. The investigation shall include criminal history records inquiry (CHR) through the State of Michigan. The applicant will be charged a non-refundable state filing fee for the investigation.
  - (2) If as a result of such investigation the applicant's character or business responsibility is found to be unsatisfactory, the disapproval of the City Clerk of his or her designee and the reasons for the same shall be indicated on the application. The City Clerk shall notify the applicant that his or her application is disapproved and that no license will be issued.
  - (3) If as a result of such investigation the character and business responsibility of the applicant are found to be satisfactory, the City Clerk or his or her designee shall endorse on the application his or her approval and upon payment of the prescribed license fee and filing of proof of insurance, if required, issue a license. (Ord. - - ; Am. Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

### **§ 110.03 EXHIBITION OF LICENSE.**

- (A) Persons licensed under this chapter are required to produce or exhibit their license upon request of any individual and any city police officer, Code Enforcement Officer or a representative from the City Clerk's Office.
- (B) A license issued under this chapter to a transient merchant shall be posted conspicuously in the place of business or vehicle named therein. If a person applying for such a license desires to do business in more than one place within the city, a copy of the license shall be posted conspicuously in each.
- (C) No licensee shall fail to display conspicuously on vehicles licensed by this chapter such tags or stickers as are furnished by the City Clerk and required by this chapter or code.  
(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03) Penalty, see § 110.99

#### **§ 110.04 SUSPENSION OR REVOCATION OF LICENSES**

- (A) Any license issued under this chapter may be suspended or revoked for any of the following reasons:
  - (1) Fraud or misrepresentation on the application for license.
  - (2) Fraud or misrepresentation in the course of conducting the business of the vendor;
  - (3) Conducting the business of the vendor contrary to the conditions of the license; or
  - (4) Conducting the business of the vendor in such a manner as to create a public nuisance or constitute a danger to the public health, safety or welfare.
- (B) Upon suspension or revocation of the license, the City Clerk or his or her designee shall deliver in person written notice to the license holder or their representative personally at the business location or by first class mail to the address listed in the licensee's application stating the action taken and the reasons supporting such action.
- (C) Persons who are denied licenses or whose licenses are suspended or revoked may appeal by filing a written notice of appeal with the License Review Board. The appeal must be filed within seven days after receipt of the notice of denial, suspension or revocation. The Board shall hear and determine the appeal and the decision of the Board shall be final.  
(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

#### **§ 110.05 EXPIRATION DATE; RENEWAL OF LICENSE.**

- (A) The license year shall terminate on December 31 of the current year at 12:00 noon next after the issuance of such license. In all cases where the provisions of this chapter permit the issuance of licenses for periods of less than one year, the expiration date shall be indicated on the fact of the license.
- (B) Unless otherwise provided herein, an application for renewal of a license shall be considered in the same manner as an original application.  
(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

#### **§ 110.06 LICENSES NON-TRANSFERABLE.**

No license or permit issued under the provisions of this chapter or code shall be transferable.

(Ord. 753, passed 7-11-94, Am. Ord. 888 passed 2-24-03)

#### **§ 110.07 COMPLIANCE WITH LAWS REQUIRED.**

- (A) No license or permit required by this chapter or code shall be issued to any person who is required to have a license or permit from the state until such person shall submit evidence of such state license or permit and proof that all fees appertaining thereto have been paid.

- (B) No license shall be granted to any applicant until such applicant has complied with all of the provisions of this chapter and code pertaining to the business for which application for the license is made, nor shall any license be granted where the approval of any officer of the city is required prior to the issuance until such approval is made.

(Ord. 888, passed 2-24-03)

#### **§ 110.08 PAYMENT OF FEES; EXEMPTION.**

- (A) No license shall be issued until the fees as set forth in this chapter or code shall be paid by the applicant to the City Treasurer.
- (B) No license fee shall be required from any person exempt from payment of the fee by state or federal law. Such persons shall comply with all other provisions of this chapter. The City Clerk shall, in all such cases, issue to such persons licenses which are clearly marked as to said exemption and the reason therefor.

(Am. Ord. 888, passed 2-24-03)

#### **§ 110.09 LICENSE REVIEW BOARD.**

- (A) The License Review Board shall be composed of the same persons who constitute the City Zoning Board of Appeals.
- (B) The Board shall meet from time to time as needed.
- (C) A quorum of the Board necessary to conduct a hearing shall be four members and the vote of a majority of the Board present shall be required to overturn any denial, suspension or revocation of a license.
- (D) Evidence of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs is to be admitted and given probative effect. The decision of the Board shall be based upon the evidence produced and admitted in the course of a hearing.
- (E) Appeals of decision of the board may be reviewed in the County Circuit Court to determine whether sufficient evidence exists in the record to support the Board.

(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

#### **§ 110.10 DELEGATION OF DUTIES.**

The responsibilities of the City Clerk, Director of Public Safety, and/or Chief Building Official as required by this chapter may be fulfilled by his or her designees.

(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03).

#### **§ 110.11 REQUIRED LICENSES.**

- (A) No person shall engage in the following businesses or activities without first obtaining a license which shall require payment of a license fee in amounts set from time to time by City Commission resolutions:

(1) Auctioneers;

(2) Circus, menagerie, carnival, exhibition, side show;

- (3) Junk dealers;
- (4) Mobile food service providers;
- (5) Pawnbrokers;
- (6) ~~Taxicab or pedicab~~ businesses, vehicles, and driver; and
- (7) Vendors.

(B) No person shall engage in a "going out of business sale," as defined in §110.29, without first obtaining a license which shall require payment of a license fee as provided in §110.29.

(Ord. passed - - ; Am. Ord. 753, passed 7-11-94; Am. Ord. 888, passed 02-04-03; Am. Ord. 982, passed 10-14-13; Am. Ord. 999, passed 7-13-15; Am. Ord. 1078, passed 5-9-22)

## **§ 110.25 JUNK DEALERS.**

(A) No person shall engage in the business of dealing in scrap iron, scrap metal, scrap wood, used or salvaged auto parts or any form of goods commonly considered as junk, nor assemble same at one location for the purpose of sale without first procuring a license.

(B) No such license shall be granted:

- (1) Except upon approval of the Director of Public Safety or his or her designee, the Fire Department and the building Official;
- (2) For conducting such business on a vacant lot or in a partially enclosed structure unless such property is enclosed with a properly maintained, tight board or other type fence in accordance with all specifications of the Director of Public Works to protect the health, welfare and safety of the public;
- (3) Whenever 65% or more of all property-owners within a radius of 300 feet measured from the boundary lines of the premises object in writing to the City Clerk's office.

(C) Each licensee shall on demand exhibit all goods bought or received and give the name, residence and a description of the person from whom the same was purchased or received to any officer of the Police Department. He or she shall keep a record or book written in ink in the English language containing the name, residence and description of all persons from whom purchases are made.

(D) (1) Each such license granted shall designate the particular place where said business is to be conducted and no licensee shall engage in said business at any place other than that so designated.

(2) No licensee shall purchase or receive any article:

- (a) Between the hours of 7:00 p.m. and 7:00 a.m.;
- (b) On Sunday;
- (c) From any person intoxicated or under the age of 17 years without written consent of parent or guardian; or
- (d) From a person known or suspected to be a thief or a receiver of stolen property.

(Amd Ord. 888, passed 2-24-03) Penalty, see § 110.00

## **§ 110.26 PAWNBROKERS.**

- (A) As used in this chapter, "pawnbrokers" mean those individuals identified in § 3 of Act No. 469, of the Public Acts 2002, being cited as MCLA § 446.203.
- (B) A person, corporation, or firm shall not carry on the business of pawnbroker in the city without first having obtained a license as authorized by Act No. 469, of the Public Acts 2002, being cited as MCLA §446.201 et seq.
  - (1) A license fee that shall be required to be paid to the city in order to acquire a pawnbroker license pursuant to this chapter shall be set by a resolution of the City Commission.
  - (2) As set forth in § 2 of 469 of Public Acts 2002, the bond that is required to be given to the city is \$3,000.
- (C) A pawnbroker shall comply with all of the requirements of Act No. 231 of the Public Acts of 1945, as amended, being cited as MCLA §§ 445.451 et seq, and Act No. 469 of the Public Acts 2002, being cited as MCLA §§ 446.201 et seq.
- (D) Every pawnbroker, except those exempted by operation of division (C), shall within 48 hours, transmit to the Director of Public Safety by means of electronic transmission through a modem or similar device or by delivery of a computer disk, in such a format that the data are capable of direct electronic entry into the city's computerized systems for identifying pawned property, all transactions in which the pawnbroker received used goods the preceding day by pawn, trade, purchase, or consignment. A transaction reported by electronic transmission under this subsection shall not be reported on paper forms unless the Director of Public Safety so requests.
- (E) When reporting, a thumbprint of the persons pawning property shall be electronically scanned and transmitted to the Director of Public Safety in the same manner as division (A).
- (F) A pawnbroker need not report electronically transactions taking place at a business location where the number of pawn transactions in each 90 day period does not exceed ten. A pawnbroker reasonably believing a location at which he or she conducts a pawn shop qualifies under this subsection for exemption from computerized reporting and wishing to be exempt from the requirements of division (A) shall sign, under penalty of perjury, a declaration to the effect in a form developed by the Director of Public Safety or the Director of Public Safety's designee, and once the declaration is signed, so long as the volume of transactions does not exceed ten each 90 day period, pawn transactions taking place at that pawnshop need not be reported electronically, but shall be reported on paper forms.
- (G) If a licensee under this chapter or any of his or her employees is found guilty of violating any of the provisions of this chapter, the Director of Public Safety shall report such violation to the City Clerk. The City Clerk shall:
  - (1) Notify the City Manager and the licensee and provide the licensee notice that the city intends to revoke his or her license; and
  - (2) Shall provide the licensee an opportunity to a hearing before the City Clerk. If the City Clerk determines that the licensee has been found guilty of violating any of the provisions of this chapter, the City Manager

shall then revoke the license. The violator, upon such revocations, shall not be issued a license as a pawnbroker for a period of one year from the date of revocation.

(Am. Ord. 888, passed 2-24-03; Am. Ord 906, passed 2-14-05)  
Penalty, see § 110.00

## **110.27 VENDORS.**

(A) *Definitions.* For the purpose of this section, the following definitions shall apply unless the context clearly indicates or requires a different meaning.

**PEDDLER.** Any person who travels from place to place for the purpose of distributing leaflets, pamphlets, fliers, or other literature, displaying, selling, making sales, offer for sale, or leasing with the option to buy, takes orders for, or attempts to take orders for the retail sale of any goods, property, or services whatsoever for current or future delivery. Peddler includes any person who travels by foot, vehicle, wagon, cart or any other means displaying, selling, offering for sale, taking orders for sale, or leasing with the option to buy, at retail, any food, goods, property, or service. **PEDDLER** also includes any person who operates a pushcart, or other structure powered by bicycles or human power, with at least two operational wheels, which can be easily moved and which is used by a vendor to conduct sales.

**PERSON.** Any natural person, corporation or partnership, including both principals and agents thereof, or two or more persons having a joint or common interest.

**TRANSIENT MERCHANT.** Any persons, firm, association or corporation, while not traveling from place to place, engaging temporarily in a retail sale of goods, ware or merchandise in any place in the city and who for the purpose of conducting business temporarily occupies any private lot, building, room or structure of any kind. This section shall not be construed to permit sales on city-owned property unless authorized under a separate written agreement.

**VENDORS.** Any peddler or transient merchant as provided in this section. ~~**VENDOR** shall not include a person selling at an art fair, farmers' market, festival or similar special event at the invitation of the event's sponsor, if all of the following conditions are met:~~

~~(a) The sponsor has obtained a vendor's license; and~~

~~(b) The person provides the sponsor with the person's sales tax license number.~~

(B) *License required.* No vendor shall engage in such business within the city without first obtaining a license as provided under this chapter. Such licenses shall be subject to the application fees as may be set from time to time by the City Commission and paid in accordance with § 110.08 of this code. ~~Transient merchant license fee waived if currently licensed and using truck/trailer as mobile food service provider.~~

(C) *Regulations.* In addition to the license requirements in this chapter, and except as otherwise provided, the following regulations apply to vendors:

- (1) Vendors who conduct their business by going door-to-door shall not solicit at any premises posted with a "no solicitation" sign or other similar marking.
- (2) No vendor shall have any exclusive right to any location in the public street, sidewalk, or right-of-way, or be permitted a permanent, stationary location, or be permitted to operate in any congested area where his or her operations impede or inconvenience the public. For the purpose of this section, the judgment of a police officer or Code Enforcement Officer, exercised in good faith, shall be deemed conclusive as to whether the area is congested or the public has been impeded or inconvenienced.
- (3) Vendors shall dispose of their own trash including empty product containers into trash bags which shall be disposed of off-site by the vendor each day. The vendor shall keep the areas in which it operates clean, slightly, and free of trash. Vendors shall be completely self-contained, and are prohibited from utilizing any city electrical outlets, water from city hydrants, and disposing of liquid wastes, including but not limited to grease, into storm or sanitary sewers.
- (4) Unless otherwise first authorized in ~~wiring~~ **writing** by the city, no vendor shall obstruct any street, alley, sidewalk or driveway, except as may be necessary and reasonable to consummate a sale or engage in any business regulated by this Chapter. Except with prior written permission of appropriate school officials, no vendor shall conduct any sale within 150 feet of the entrance of any school building between the hours of 8am and 5pm on the days when school is in session.
- ~~(5) Applicants for a vendors license who are selling, or offering to sell food, goods, wares, and merchandise owned by themselves, who furnish the City Clerk, with all other license application materials, proof of an honorable discharge form the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall not be required to pay the annual license fee.~~
- (6) Applicants for a vendors license who are selling, or offering to sell food, goods, wares, and merchandise owned by themselves, who furnish the City Clerk, with all other license application materials, proof of an honorable discharge form the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall be required to pay the annual license fee.
- (7) Individuals or groups wishing to do their business under this section any city park must first secure written permission from the Parks Director before applying for a license, and shall comply with all applicable park rental fees, rules and regulations.
- (8) Vendors shall present a valid license for inspection or examination when requested by any City Public Safety Officer or city official.
- (9) No vendor shall sell or offer to sale any unsound, unripe or unwholesome food or drink or any defective, faulty or deteriorated article of food.
- ~~(D) Exceptions. The provisions of this chapter shall not apply to any of the following:~~
  - (1) Representatives of duly established businesses, located elsewhere, calling upon merchants or other established businesses for the purposes of selling

them merchandise or services and who normally make repeated calls on such businesses at regular intervals, such as wholesale suppliers, office supply firms and similar businesses **are not required to be licensed.**

(2) Solicitations including sale or distribution of goods, wares, merchandise, leaflets, pamphlets or other materials for religious, charitable or political purposes **are not required to be licensed.**

(3) Applicants for a vendors license who are selling, or offering to sell food, goods, wares, and merchandise owned by themselves, who furnish the City Clerk, with all other license application materials, proof of an honorable discharge from the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall be licensed and are not required to pay the annual license fee.

(4) Applicants for a vendors license shall be licensed and are not required to pay the annual license fee if selling at an art fair, farmers' market, festival or similar city endorsed and/or city sponsored event.

(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-2403; Am. Ord. 982, passed 10-14-13; Am. Ord. 990, passed 10-13-14) Penalty, see §110.99

## **§ 110.28 MOBILE FOOD SERVICE PROVIDERS.**

(A) *Purpose.* The purpose of this section is to license and regulate the movement, location, business practice and hours of operation of mobile food providers in the city, to reduce vehicular and pedestrian traffic congestion, to promote the safe use of the streets and sidewalks; and, to protect the health, safety, and welfare of the people of the city.

(B) *Definitions.* For the purpose of this section the following definition shall apply unless the context clearly indicates or requires a different meaning.

**MOBILE FOOD SERVICE PROVIDER.** A motorized vehicle which, upon issuance of a license by the City Clerk and conformance with the regulations under this chapter, may temporarily park upon a public street or in a public parking lot, and engage in the preparation, service, sale or distribution of ready-to-eat food for individual portion service to the general public directly from the vehicle. For the purposes of this section, mobile food vehicle includes a trailer pulled by a motorized vehicle engaged in the preparation, service, sale, or distribution of ready-to-eat food for individual portion service to the general public directly from the trailer; and shall include cookers, grills, smokers or other similar apparatuses. ~~**MOBILE FOOD SERVICE PROVIDER** shall be considered a transient merchant and will be subject to all transient merchant regulations when operating on private property with the permission of the property owner. **MOBILE FOOD SERVICE PROVIDER** shall not include a person selling at an art fair, farmers' market, festival or similar special event at the invitation of the event's sponsor, if all of the following conditions are met:~~

~~(a) The sponsor has obtained a vendor's license; and~~

~~(b) The person provides the sponsor with the person's sales tax license number.~~



(C) *License Requirements.* No mobile food service provider may engage in the service, sale, or distribution of food in the city without first obtaining a license from the City Clerk. The City Clerk shall charge an application fee for the mobile food service provider licenses. Such licenses shall be subject to the application fee as may be set from time to time by the City Commission and paid in accordance with §110.08 of this code. ~~See license fee exceptions below. Mobile food service provider license fee waived if currently licensed and using truck/trailer as a transient merchant. The City Clerk may annually issue up to 12 mobile food service provider licenses per year.~~

(D) *Regulation.*

***FOR PROVIDERS ON PUBLIC PROPERTY:***

- (1) ~~Mobile food service providers may conduct business in the C-2 Central Business District as defined in §154.066~~ as well as on-street parking places on South Main Street from East High Street on the north to East Bellows Street on the South. Mobile food service providers may not conduct business in any other area of the city.
- (2) Mobile food service providers may conduct business only between the hours of 8pm and 2am. Mobile food service providers shall not conduct business at any other time.
- (3) Mobile food service providers may conduct business in on-street parking places and public parking lots during the permitted hours of operation. While conducting business, mobile food service providers shall operate in such a manner so as not to interfere with pedestrian or vehicular traffic. If directed by city staff or public safety personnel for snow plows or in response to emergency situations, mobile food services shall promptly relocate.
- (4) Mobile food service providers shall serve customers only on the curb, lawn, or sidewalk side of the mobile food service vehicle while parked in on-street parking spaces. Mobile food service providers shall not provide food service in any right-of-way. Mobile food service providers may serve customers only when parked.
- (5) If operating on sidewalks or while parked on city streets or in public parking lots, mobile food service providers shall not supply or provide tables and chairs, booths, stools, benches, tents or other similar dining areas for customers.
- (6) Mobile food service providers shall provide adequate dining utensils as reasonably necessary for its customers. Mobile food service providers shall place a trash receptacle outside the mobile food service vehicle which shall be emptied and disposed of off-site by the mobile food service provider each day. The mobile food service provider shall keep the area in which it operates clean, slightly, and free of trash. Mobile food service providers shall be completely self-contained, and are prohibited from utilizing any city electrical outlets, water from city hydrants, and disposing of liquid wastes, including but not limited to grease, into storm or sanitary sewers.
- (7) Mobile food service providers shall not be parked on the street, or in public parking lots in which they intend to provide service overnight or left unattended and unsecured at any time food is in the vehicle.

- (8) Mobile food service providers shall comply at all times with all city nuisance regulations as provided in Chapter 96 of this code.
- (9) Mobile food service providers shall not be located within 150 feet of a permanent business with a food license during the business's hours of operation.
- (10) A license is valid only for each individual vehicle or trailer operated by a mobile food service provided and shall not transferred among vehicles or trailers.
- (11) Mobile Food service providers shall present a valid license for inspection or examination when requested by any City Public Safety Officer of city official.
- ~~(12) Applicants for a mobile food service providers license who are selling, or offering to sell food, owned by themselves, who furnish to the City Clerk, with all other license application materials, proof of an honorable discharge from the armed services and a copy of a license issued pursuant to 1921 PA 359, as amended, MCLA §§ 35.441 through 35.443, shall not be required to pay the annual license fee.~~
- (13) Mobile food service providers shall comply with all applicable law, rules, regulations and licensing or permit requirements including, but not limited to those issued by the Isabella County Health Department or the Michigan Department of Agriculture and Rural Development or its successor agency, the Michigan Secretary of State, the Michigan Liquor Control Code, and any other agency with licensing or regulatory jurisdiction over the mobile food service provider.
- (14) Mobile food service providers must produce with application for license the following items: driver license; Isabella County Health Department License; Mount Pleasant Fire Department Inspection and Proof of liability insurance.
- (15) Mobile food service providers shall not offer or advertise the offering of beer, wine, or other alcoholic beverages.
- (16) Mobile food service providers wishing to do their business under this section in any city park must first secure written permission from the Parks Director before applying for a license, and shall comply with all applicable park rental fees, rules and regulations.

**FOR PROVIDERS ON PRIVATE PROPERTY:**

- (1) Mobile food service providers shall provide adequate dining utensils as reasonably necessary for its customers. Mobile food service providers shall place a trash receptacle outside the mobile food service vehicle which shall be emptied and disposed of off-site by the mobile food service provider each day. The mobile food service provider shall keep the area in which it operates clean, slightly, and free of trash. Mobile food service providers shall be completely self-contained, and are prohibited from utilizing any city electrical outlets, water from city hydrants, and disposing of liquid wastes, including but not limited to grease, into storm or sanitary sewers.

- (2) Mobile food service providers shall not be parked on the street, or in public parking lots in which they intend to provide service overnight or left unattended and unsecured at any time food is in the vehicle.
- (3) Mobile food service providers shall comply at all times with all city nuisance regulations as provided in Chapter 96 of this code.
- (4) Mobile food service providers shall not be located within 150 feet of a permanent business with a food license during the business's hours of operation.
- (5) A license is valid only for each individual vehicle or trailer operated by a mobile food service provided and shall not transferred among vehicles or trailers.
- (6) Mobile Food service providers shall present a valid license for inspection or examination when requested by any City Public Safety Officer or city official.
- (7) Mobile food service providers shall comply with all applicable law, rules, regulations and licensing or permit requirements including, but not limited to those issued by the Isabella County Health Department or the Michigan Department of Agriculture and Rural Development or its successor agency, the Michigan Secretary of State, the Michigan Liquor Control Code, and any other agency with licensing or regulatory jurisdiction over the mobile food service provider.
- (8) Mobile food service providers must produce with application for license the following items: driver license; Isabella County Health Department License; Mount Pleasant Fire Department Inspection and Proof of liability insurance.
- (9) Mobile food service providers shall not offer or advertise the offering of beer, wine, or other alcoholic beverages.

(E) *Exceptions.*

- (1) Applicants for a mobile food service providers license who are selling, or offering to sell food, owned by themselves, who furnish to the City Clerk, with all other license application materials, proof of an honorable discharge from the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall be licensed and are not required to pay the annual license fee.
- (2) Applicants for a mobile food service providers license shall be licensed but are not required to pay the annual license fee if selling at an art fair, farmers' market, festival or similar city endorsed and/or city sponsored event.
- (3) Applicants for a mobile food service providers license who operate a duly established brick and mortar are required to be licensed but are waived the annual license fee.

(F) *License revocation or suspension.* Any mobile food service provider that violates any provision of this section may, in addition to any other penalties, have its license suspended or revoked as provided by §110.04 of this code.

(Ord. 982, passed 10-14-13; Am. Ord. 990, passed 10-13-14)

## CHAPTER 110: GENERAL LICENSING

### Section

#### ***General Provisions***

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### **GENERAL PROVISIONS**

#### **§ 110.01 BUSINESS LICENSES REQUIRED; STATE LICENSE NOT EXEMPTION.**

- (A) No person shall, directly or indirectly, operate, conduct, maintain or manage any business or premises for which any license or permit is required by any provision of this chapter or code without first procuring a license or permit from the city in the manner prescribed in this chapter.
- (B) The fact that a license or permit has been granted to any person by the state to engage in the operation, conduct, maintenance or management of any business or premises shall not exempt such person from the necessity of procuring a license or permit from the city if such license is required by the chapter.  
(Ord. 888, passed 2-24-03) Penalty, see § 110.99

#### **§ 110.02 APPLICATION FOR LICENSE; INVESTIGATIONS.**

- (A) *Application.* Each person or entity required to procure a license from the city shall make application for said license to the City Clerk in the form and manner prescribed by him or her. The application shall include the following:

- (1) The full names, dates of birth, business addresses of the applicant or entity and residence addresses of all owners, proprietors, officers, members, partners and managers of applicant's business;
  - (2) The place or places in the city where it is proposed to maintain applicant's business and the length of time during which it is proposed that such business be conducted.
  - (3) The wares, merchandise or services to be sold or offered for sale by applicant in the city;
  - (4) The nature and kind of business which applicant proposes to conduct and the manner of operating the same;
  - (5) Whether or not the applicant or person conducting or managing applicant's business has been convicted of a felony, misdemeanor or the violation of any municipal ordinances and, if so, full particulars in connection therewith.
- (B) *Investigations.*
- (1) Upon receipt by the City Clerk of an application for the license required § 110.01, the City Clerk or his or her designee shall investigate the applicant's business and moral character for the protection of the public good. The investigation shall be conducted within two business day. The investigation shall include criminal history records inquiry (CHR) through the State of Michigan. The applicant will be charged a non-refundable state filing fee for the investigation.
  - (2) If as a result of such investigation the applicant's character or business responsibility is found to be unsatisfactory, the disapproval of the City Clerk of his or her designee and the reasons for the same shall be indicated on the application. The City Clerk shall notify the applicant that his or her application is disapproved and that no license will be issued.
  - (3) If as a result of such investigation the character and business responsibility of the applicant are found to be satisfactory, the City Clerk or his or her designee shall endorse on the application his or her approval and upon payment of the prescribed license fee and filing of proof of insurance, if required, issue a license. (Ord. - - ; Am. Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

### **§ 110.03 EXHIBITION OF LICENSE.**

- (A) Persons licensed under this chapter are required to produce or exhibit their license upon request of any individual and any city police officer, Code Enforcement Officer or a representative from the City Clerk's Office.
- (B) A license issued under this chapter to a transient merchant shall be posted conspicuously in the place of business or vehicle named therein. If a person applying for such a license desires to do business in more than one place within the city, a copy of the license shall be posted conspicuously in each.
- (C) No licensee shall fail to display conspicuously on vehicles licensed by this chapter such tags or stickers as are furnished by the City Clerk and required by this chapter or code. (Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03) Penalty, see § 110.99

#### **§ 110.04 SUSPENSION OR REVOCATION OF LICENSES**

- (A) Any license issued under this chapter may be suspended or revoked for any of the following reasons:
- (1) Fraud or misrepresentation on the application for license.
  - (2) Fraud or misrepresentation in the course of conducting the business of the vendor;
  - (3) Conducting the business of the vendor contrary to the conditions of the license; or
  - (4) Conducting the business of the vendor in such a manner as to create a public nuisance or constitute a danger to the public health, safety or welfare.
- (B) Upon suspension or revocation of the license, the City Clerk or his or her designee shall deliver in person written notice to the license holder or their representative personally at the business location or by first class mail to the address listed in the licensee's application stating the action taken and the reasons supporting such action.
- (C) Persons who are denied licenses or whose licenses are suspended or revoked may appeal by filing a written notice of appeal with the License Review Board. The appeal must be filed within seven days after receipt of the notice of denial, suspension or revocation. The Board shall hear and determine the appeal and the decision of the Board shall be final.
- (Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

#### **§ 110.05 EXPIRATION DATE; RENEWAL OF LICENSE.**

- (A) The license year shall terminate on December 31 of the current year at 12:00 noon next after the issuance of such license. In all cases where the provisions of this chapter permit the issuance of licenses for periods of less than one year, the expiration date shall be indicated on the fact of the license.
- (B) Unless otherwise provided herein, an application for renewal of a license shall be considered in the same manner as an original application.
- (Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

#### **§ 110.06 LICENSES NON-TRANSFERABLE.**

No license or permit issued under the provisions of this chapter or code shall be transferable.

(Ord. 753, passed 7-11-94, Am. Ord. 888 passed 2-24-03)

#### **§ 110.07 COMPLIANCE WITH LAWS REQUIRED.**

- (A) No license or permit required by this chapter or code shall be issued to any person who is required to have a license or permit from the state until such person shall submit evidence of such state license or permit and proof that all fees appertaining thereto have been paid.

- (B) No license shall be granted to any applicant until such applicant has complied with all of the provisions of this chapter and code pertaining to the business for which application for the license is made, nor shall any license be granted where the approval of any officer of the city is required prior to the issuance until such approval is made.

(Ord. 888, passed 2-24-03)

#### **§ 110.08 PAYMENT OF FEES; EXEMPTION.**

- (A) No license shall be issued until the fees as set forth in this chapter or code shall be paid by the applicant to the City Treasurer.
- (B) No license fee shall be required from any person exempt from payment of the fee by state or federal law. Such persons shall comply with all other provisions of this chapter. The City Clerk shall, in all such cases, issue to such persons licenses which are clearly marked as to said exemption and the reason therefor.

(Am. Ord. 888, passed 2-24-03)

#### **§ 110.09 LICENSE REVIEW BOARD.**

- (A) The License Review Board shall be composed of the same persons who constitute the City Zoning Board of Appeals.
- (B) The Board shall meet from time to time as needed.
- (C) A quorum of the Board necessary to conduct a hearing shall be four members and the vote of a majority of the Board present shall be required to overturn any denial, suspension or revocation of a license.
- (D) Evidence of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs is to be admitted and given probative effect. The decision of the Board shall be based upon the evidence produced and admitted in the course of a hearing.
- (E) Appeals of decision of the board may be reviewed in the County Circuit Court to determine whether sufficient evidence exists in the record to support the Board.

(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03)

#### **§ 110.10 DELEGATION OF DUTIES.**

The responsibilities of the City Clerk, Director of Public Safety, and/or Chief Building Official as required by this chapter may be fulfilled by his or her designees.

(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-24-03).

#### **§ 110.11 REQUIRED LICENSES.**

- (A) No person shall engage in the following businesses or activities without first obtaining a license as provided in this Chapter which shall require payment of a license fee in amounts set from time to time by City Commission resolutions:

(1) Auctioneers;

(2) Circus, menagerie, carnival, exhibition, side show;

- (3) Junk dealers;
  - (4) Mobile food service providers;
  - (5) Pawnbrokers;
  - (6) Pedicab businesses, vehicles, and driver; and
  - (7) Vendors.
- (B) No person shall engage in a "going out of business sale," as defined in §110.29, without first obtaining a license which shall require payment of a license fee as provided in §110.29.  
(Ord. passed - - ; Am. Ord. 753, passed 7-11-94; Am. Ord. 888, passed 02-04-03; Am. Ord. 982, passed 10-14-13; Am. Ord. 999, passed 7-13-15; Am. Ord. 1078, passed 5-9-22)

## **§ 110.25 JUNK DEALERS.**

- (A) No person shall engage in the business of dealing in scrap iron, scrap metal, scrap wood, used or salvaged auto parts or any form of goods commonly considered as junk, nor assemble same at one location for the purpose of sale without first procuring a license.
- (B) No such license shall be granted:
- (1) Except upon approval of the Director of Public Safety or his or her designee, the Fire Department and the building Official;
  - (2) For conducting such business on a vacant lot or in a partially enclosed structure unless such property is enclosed with a properly maintained, tight board or other type fence in accordance with all specifications of the Director of Public Works to protect the health, welfare and safety of the public;
  - (3) Whenever 65% or more of all property-owners within a radius of 300 feet measured from the boundary lines of the premises object in writing to the City Clerk's office.
- (C) Each licensee shall on demand exhibit all goods bought or received and give the name, residence and a description of the person from whom the same was purchased or received to any officer of the Police Department. He or she shall keep a record or book written in ink in the English language containing the name, residence and description of all persons from whom purchases are made.
- (D) (1) Each such license granted shall designate the particular place where said business is to be conducted and no licensee shall engage in said business at any place other than that so designated.
- (2) No licensee shall purchase or receive any article:
- (a) Between the hours of 7:00 p.m. and 7:00 a.m.;
  - (b) On Sunday;
  - (c) From any person intoxicated or under the age of 17 years without written consent of parent or guardian; or
  - (d) From a person known or suspected to be a thief or a receiver of stolen property.
- (Amd Ord. 888, passed 2-24-03) Penalty, see § 110.00



## **§ 110.26 PAWNBROKERS.**

- (A) As used in this chapter, "pawnbrokers" mean those individuals identified in § 3 of Act No. 469, of the Public Acts 2002, being cited as MCLA § 446.203.
- (B) A person, corporation, or firm shall not carry on the business of pawnbroker in the city without first having obtained a license as authorized by Act No. 469, of the Public Acts 2002, being cited as MCLA §446.201 et seq.
  - (1) A license fee that shall be required to be paid to the city in order to acquire a pawnbroker license pursuant to this chapter shall be set by a resolution of the City Commission.
  - (2) As set forth in § 2 of 469 of Public Acts 2002, the bond that is required to be given to the city is \$3,000.
- (C) A pawnbroker shall comply with all of the requirements of Act No. 231 of the Public Acts of 1945, as amended, being cited as MCLA §§ 445.451 et seq, and Act No. 469 of the Public Acts 2002, being cited as MCLA §§ 446.201 et seq.
- (D) Every pawnbroker, except those exempted by operation of division (C), shall within 48 hours, transmit to the Director of Public Safety by means of electronic transmission through a modem or similar device or by delivery of a computer disk, in such a format that the data are capable of direct electronic entry into the city's computerized systems for identifying pawned property, all transactions in which the pawnbroker received used goods the preceding day by pawn, trade, purchase, or consignment. A transaction reported by electronic transmission under this subsection shall not be reported on paper forms unless the Director of Public Safety so requests.
- (E) When reporting, a thumbprint of the persons pawning property shall be electronically scanned and transmitted to the Director of Public Safety in the same manner as division (A).
- (F) A pawnbroker need not report electronically transactions taking place at a business location where the number of pawn transactions in each 90 day period does not exceed ten. A pawnbroker reasonably believing a location at which he or she conducts a pawn shop qualifies under this subsection for exemption from computerized reporting and wishing to be exempt from the requirements of division (A) shall sign, under penalty of perjury, a declaration to the effect in a form developed by the Director of Public Safety or the Director of Public Safety's designee, and once the declaration is signed, so long as the volume of transactions does not exceed ten each 90 day period, pawn transactions taking place at that pawnshop need not be reported electronically, but shall be reported on paper forms.
- (G) If a licensee under this chapter or any of his or her employees is found guilty of violating any of the provisions of this chapter, the Director of Public Safety shall report such violation to the City Clerk. The City Clerk shall:
  - (1) Notify the City Manager and the licensee and provide the licensee notice that the city intends to revoke his or her license; and
  - (2) Shall provide the licensee an opportunity to a hearing before the City Clerk. If the City Clerk determines that the licensee has been found guilty of violating any of the provisions of this chapter, the City Manager

shall then revoke the license. The violator, upon such revocations, shall not be issued a license as a pawnbroker for a period of one year from the date of revocation.

(Am. Ord. 888, passed 2-24-03; Am. Ord 906, passed 2-14-05)  
Penalty, see § 110.00

## **110.27 VENDORS.**

(A) *Definitions.* For the purpose of this section, the following definitions shall apply unless the context clearly indicates or requires a different meaning.

**PEDDLER.** Any person who travels from place to place for the purpose of distributing leaflets, pamphlets, fliers, or other literature, displaying, selling, making sales, offer for sale, or leasing with the option to buy, takes orders for, or attempts to take orders for the retail sale of any goods, property, or services whatsoever for current or future delivery. Peddler includes any person who travels by foot, vehicle, wagon, cart or any other means displaying, selling, offering for sale, taking orders for sale, or leasing with the option to buy, at retail, any food, goods, property, or service. **PEDDLER** also includes any person who operates a pushcart, or other structure powered by bicycles or human power, with at least two operational wheels, which can be easily moved and which is used by a vendor to conduct sales.

**PERSON.** Any natural person, corporation or partnership, including both principals and agents thereof, or two or more persons having a joint or common interest.

**TRANSIENT MERCHANT.** Any persons, firm, association or corporation, while not traveling from place to place, engaging temporarily in a retail sale of goods, ware or merchandise in any place in the city and who for the purpose of conducting business temporarily occupies any private lot, building, room or structure of any kind. This section shall not be construed to permit sales on city-owned property unless authorized under a separate written agreement.

**VENDORS.** Any peddler or transient merchant as provided in this section.

(B) *License required.* No vendor shall engage in such business within the city without first obtaining a license as provided under this chapter. Such licenses shall be subject to the application fees as may be set from time to time by the City Commission and paid in accordance with § 110.08 of this code.

(C) *Regulations.* In addition to the license requirements in this chapter, and except as otherwise provided, the following regulations apply to vendors:

- (1) Vendors who conduct their business by going door-to-door shall not solicit at any premises posted with a “no solicitation” sign or other similar marking.
- (2) No vendor shall have any exclusive right to any location in the public street, sidewalk, or right-of-way, or be permitted a permanent, stationary location, or be permitted to operate in any congested area where his or her operations impede or inconvenience the public. For the purpose of this section, the

judgment of a police officer or Code Enforcement Officer, exercised in good faith, shall be deemed conclusive as to whether the area is congested or the public has been impeded or inconvenienced.

- (3) Vendors shall dispose of their own trash including empty product containers into trash bags which shall be disposed of off-site by the vendor each day. The vendor shall keep the areas in which it operates clean, slightly, and free of trash. Vendors shall be completely self-contained, and are prohibited from utilizing any city electrical outlets, water from city hydrants, and disposing of liquid wastes, including but not limited to grease, into storm or sanitary sewers.
- (4) Unless otherwise first authorized in writing by the city, no vendor shall obstruct any street, alley, sidewalk or driveway, except as may be necessary and reasonable to consummate a sale or engage in any business regulated by this Chapter. Except with prior written permission of appropriate school officials, no vendor shall conduct any sale within 150 feet of the entrance of any school building between the hours of 8am and 5pm on the days when school is in session.
- (5) Applicants for a vendors license who are selling, or offering to sell food, goods, wares, and merchandise owned by themselves, who furnish the City Clerk, with all other license application materials, proof of an honorable discharge from the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall be required to pay the annual license fee.
- (6) Individuals or groups wishing to do their business under this section in any city park must first secure written permission from the Parks Director before applying for a license, and shall comply with all applicable park rental fees, rules and regulations.
- (7) Vendors shall present a valid license for inspection or examination when requested by any City Public Safety Officer or city official.
- (8) No vendor shall sell or offer for sale any unsound, unripe or unwholesome food or drink or any defective, faulty or deteriorated article of food.

*(D) Exceptions.*

- (1) Representatives of duly established businesses, located elsewhere, calling upon merchants or other established businesses for the purposes of selling them merchandise or services and who normally make repeated calls on such businesses at regular intervals, such as wholesale suppliers, office supply firms and similar businesses are not required to be licensed.
- (2) Solicitations including sale or distribution of goods, wares, merchandise, leaflets, pamphlets or other materials for religious, charitable or political purposes are not required to be licensed.
- (3) Applicants for a vendors license who are selling, or offering to sell food, goods, wares, and merchandise owned by themselves, who furnish the City Clerk, with all other license application materials, proof of an honorable discharge from the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall be licensed and are not required to pay the annual license fee.

- (4) Applicants for a vendor's license selling only at an art fair, farmers' market, festival or similar city-endorsed and/or city-sponsored event shall be licensed, but are not required to pay the annual license fee.
- (5) Any person exempt from the permitting requirements of this Ordinance by virtue of state or federal law.  
(Ord. 753, passed 7-11-94; Am. Ord. 888, passed 2-2403; Am. Ord. 982, passed 10-14-13; Am. Ord. 990, passed 10-13-14) Penalty, see §110.99

## **§ 110.28 MOBILE FOOD SERVICE PROVIDERS.**

- (A) *Purpose.* The purpose of this section is to license and regulate the movement, location, business practice and hours of operation of mobile food providers in the city, to reduce vehicular and pedestrian traffic congestion, to promote the safe use of the streets and sidewalks; and, to protect the health, safety, and welfare of the people of the city.
- (B) *Definitions.* For the purpose of this section the following definition shall apply unless the context clearly indicates or requires a different meaning.

**MOBILE FOOD SERVICE PROVIDER.** Any person, business or entity, whether a resident of the City or not, utilizing a motorized vehicle which, upon issuance of a license by the City Clerk and conformance with the regulations under this chapter, may temporarily park upon a public street or in a public parking lot, and engage in the preparation, service, sale or distribution of ready-to-eat food for individual portion service to the general public directly from the vehicle. For the purposes of this section, mobile food vehicle includes a trailer, cart, stand, or other fixture pulled by a motorized vehicle engaged in the preparation, service, sale, or distribution of ready-to-eat food for individual portion service to the general public directly from the trailer; and shall include cookers, grills, smokers or other similar apparatuses.

- (C) *License Requirements.* No mobile food service provider may engage in the service, sale, or distribution of food in the city without first obtaining a license from the City Clerk pursuant to this Chapter. The City Clerk shall charge an application fee for the mobile food service provider licenses. Such licenses shall be subject to the application fee as may be set from time to time by resolution of the City Commission and paid in accordance with §110.08 of this code. See license fee exceptions below.

- (D) *Regulation.*

### **FOR PROVIDERS ON PUBLIC PROPERTY:**

- (1) Mobile food service providers may conduct business within the boundaries of the Central Business District, as set forth in the Central Business District Improvements Development Plan and Tax Increment Financing Plan, as well as on-street parking places on South Main Street from East High Street on the north to East Bellows Street on the South. Mobile food service providers may not conduct business on any other public property of the city.

- (2) Mobile food service providers may conduct business only between the hours of 8pm and 2am. Mobile food service providers shall not conduct business at any other time.
- (3) Mobile food service providers may conduct business in on-street parking places and public parking lots during the permitted hours of operation. While conducting business, mobile food service providers shall operate in such a manner so as not to interfere with pedestrian or vehicular traffic. If directed by city staff or public safety personnel for snow plows or in response to emergency situations, mobile food services shall promptly relocate.
- (4) Mobile food service providers shall serve customers only on the curb, lawn, or sidewalk side of the mobile food service vehicle while parked in on-street parking spaces. Mobile food service providers shall not provide food service in any right-of-way. Mobile food service providers may serve customers only when parked.
- (5) If operating on sidewalks or while parked on city streets or in public parking lots, mobile food service providers shall not supply or provide tables and chairs, booths, stools, benches, tents or other similar dining areas for customers.
- (6) Mobile food service providers shall provide adequate dining utensils as reasonably necessary for its customers. Mobile food service providers shall place a trash receptacle outside the mobile food service vehicle which shall be emptied and disposed of off-site by the mobile food service provider each day. The mobile food service provider shall keep the area in which it operates clean, sightly, and free of trash. Mobile food service providers shall be completely self-contained, and are prohibited from utilizing any city electrical outlets, water from city hydrants, and disposing of liquid wastes, including but not limited to grease, into storm or sanitary sewers.
- (7) Mobile food service providers shall not be parked on the street or in public parking lots in which they intend to provide service overnight, nor shall they be left unattended and unsecured at any time food is in the vehicle.
- (8) Mobile food service providers shall comply at all times with all city nuisance regulations as provided in Chapter 96 of this code and any other applicable city ordinances.
- (9) Mobile food service providers shall not be located within 150 feet of a permanent business with a food license during the business's hours of operation.
- (10) A license is valid only for each individual vehicle or trailer operated by a mobile food service provider and shall not be transferred among vehicles or trailers.
- (11) Mobile Food service providers shall present a valid license for inspection or examination when requested by any City Public Safety Officer or city official.
- (12) Mobile food service providers shall comply with all applicable law, rules, regulations and licensing or permit requirements including, but not limited to those issued by the Isabella County Health Department or the Michigan Department of Agriculture and Rural Development or its successor agency,

the Michigan Secretary of State, the Michigan Liquor Control Commission, and any other agency with licensing or regulatory jurisdiction over the mobile food service provider.

- (13) Mobile food service providers must produce with application for license the following items: driver license; Isabella County Health Department License; Mount Pleasant Fire Department Inspection; Proof of liability insurance; and such other information as the City deems reasonably necessary to determine that the requirements of this ordinance have been met.
- (14) Mobile food service providers shall not offer or advertise the offering of beer, wine, or other alcoholic beverages.
- (15) Mobile food service providers wishing to do their business under this section in any city park must first secure written permission from the Parks Director before applying for a license, and shall comply with all applicable park rental fees, rules and regulations.

***FOR PROVIDERS ON PRIVATE PROPERTY:***

- (1) Mobile food service providers shall provide adequate dining utensils as reasonably necessary for its customers. Mobile food service providers shall place a trash receptacle outside the mobile food service vehicle which shall be emptied and disposed of off-site by the mobile food service provider each day. The mobile food service provider shall keep the area in which it operates clean, sightly, and free of trash. Mobile food service providers shall be completely self-contained, and are prohibited from utilizing any city electrical outlets, water from city hydrants, and disposing of liquid wastes, including but not limited to grease, into storm or sanitary sewers.
- (2) Mobile food service providers shall not be parked on the street or in public parking lots in which they intend to provide service overnight, nor shall they be left unattended and unsecured at any time food is in the vehicle.
- (3) Mobile food service providers shall comply at all times with all city nuisance regulations as provided in Chapter 96 of this code and any other applicable City ordinances.
- (4) Mobile food service providers shall not be located within 150 feet of a permanent business with a food license during the business's hours of operation.
- (5) A license is valid only for each individual vehicle or trailer operated by a mobile food service provider and shall not be transferred among vehicles or trailers.
- (6) Mobile Food service providers shall present a valid license for inspection or examination when requested by any City Public Safety Officer or city official.
- (7) Mobile food service providers shall comply with all applicable law, rules, regulations and licensing or permit requirements including, but not limited to those issued by the Isabella County Health Department or the Michigan Department of Agriculture and Rural Development or its successor agency, the Michigan Secretary of State, the Michigan Liquor Control Commission, and any other agency with licensing or regulatory jurisdiction over the mobile food service provider.

- (8) Mobile food service providers must produce with application for license the following items: driver license; Isabella County Health Department License; Mount Pleasant Fire Department Inspection; Proof of liability insurance; and such other information as the City deems reasonably necessary to determine that the requirements of this ordinance have been met.
- (9) Mobile food service providers shall not offer or advertise the offering of beer, wine, or other alcoholic beverages.

(E) *Exceptions.*

- (1) Applicants for a mobile food service providers license who are selling, or offering to sell food, owned by themselves, who furnish to the City Clerk, with all other license application materials, proof of an honorable discharge from the armed services and a copy of the license issued pursuant to 1921 PA 359, as amended, MCLA §§35.441 through 35.443, shall be licensed and are not required to pay the annual license fee.
- (2) Applicants for a mobile food service providers license selling at an art fair, farmers' market, festival or similar city endorsed and/or city sponsored event shall be licensed but are not required to pay the annual license fee.
- (3) Applicants for a mobile food service provider's license who operate a duly established brick and mortar establishment are required to be licensed but are waived of the annual license fee.

(F) *License revocation or suspension.* Any mobile food service provider that violates any provision of this section may, in addition to any other penalties, have its license suspended or revoked as provided by §110.04 of this code.

(Ord. 982, passed 10-14-13; Am. Ord. 990, passed 10-13-14)

# Memorandum



TO: Aaron Desentz, City Manager

FROM: Stacie Tewari, City Engineer

DATE: March 8, 2023

SUBJECT: Award Contract for the 2023 Local Streets Reconstruction Project and Approve Budget Amendment.

## Request:

The City Commission is requested to award the contract for the 2023 Local Streets Reconstruction Project to McGuirk Sand & Gravel, Inc. and to approve the recommended budget amendment.

## Reason:

The 2023 Local Streets Reconstruction Project is part of the 2023 Capital Improvement Plan. This project includes the removal and replacement of the existing asphalt and subbase on Gaylord Street between Wahington and University Streets and on Palmer Street between Main and University Streets, as well as the installation of new curb and gutter, sidewalk, and ramp replacement. Construction is scheduled for June 1 to August 2.

On March 7, 2023, four bids were received.

Bidder	Local Streets	Storm Sewer	Bid Total
McGuirk Sand & Gravel, Mt. Pleasant	\$361,223.00	\$55,685.00	\$416,908.00
The Isabella Corporation, Mt. Pleasant	\$458,557.93	\$61,050.00	\$519,607.93
Malley Construction, Mt. Pleasant	\$494,273.63	\$57,225.00	\$551,498.63
Crawford Contracting, Mt. Pleasant	\$526,805.63	\$71,644.00	\$598,449.63

McGuirk Sand & Gravel, Inc. is the low bidder. They are a well established construction company and possess the skills necessary to complete the project according to the city's specifications.

The budgeted amount for the street reconstruction is \$328,000 in the local street fund and \$54,000 for storm sewer funded by local streets. The bid is over the budgeted amount of \$382,000 due to construction materials having increased in cost more than the standard 3% accounted for in previous years.

## Recommendation:

I recommend the City Commission award the contract for the 2023 Local Streets Reconstruction Project to McGuirk Sand and Gravel, Inc. for \$416,908, and approve a budget amendment of \$33,230 in local streets and \$1,690 in the storm sewer fund with a corresponding increase in transfer from the local streets fund.



# Memorandum



TO: Aaron Desentz, City Manager

CC: William Mrdeza, Community Services & Economic Development  
Director

FROM: Phil Biscorner, Parks and Public Spaces Director

DATE: March 17, 2023

SUBJECT: Approve Purchase of New 2022 Model Ford Transit Van

## Request

The City Commission is requested to approve the purchase of a new 2022 Ford Transit van from Krapohl Ford for \$33,911 for the Recreation Department.

## Reason

As part of the approved 2023 Operating Budget, \$35,000 has been budgeted for the purchase of a vehicle for the Recreation Department. The vehicle will be used by staff to haul equipment and supplies to various events, including the Farmers Market, athletic and special events. The equipment and supplies are currently housed at Island Park. This location is less than ideal because its location is within the floodplain. Recreation will relocate these items to a location better suited for long-term storage, such as the former Public Works building.

Under normal circumstances, staff and equipment from other departments, such as Parks and Streets, are not available to assist Recreation with transporting equipment and event supplies, and the Recreation staff have used their own vehicles to do so. Having a dedicated vehicle for the Recreation staff to use will increase efficiency and assure these items are transported in a timely manner. The van could potentially be used by other departments when not in use by Recreation.

Staff considered purchasing a pickup truck through the purchase-buyback program with Krapohl Ford. However, increased costs for the 2023 models and estimated delivery schedule of 6-9 months make it non-viable option. Krapohl has the 2022 Transit van in stock for \$33,911, which includes title and documentation fees. The van would be purchased outright, as the purchase-buyback program is limited to trucks only.

## Recommendation

I recommend the City Commission approve the purchase of a new 2022 model Ford Transit van from Krapohl Ford for \$33,911 for the Recreation Department. Funds are available in the 2023 Recreation budget.

CHECK REGISTER FOR CITY OF MT PLEASANT  
CHECK DATE FROM 3/22/2023 THRU 3/23/2023

Check Date	Vendor Name	Description	Amount
Bank COMM COMMON CASH			
03/22/2023	21ST CENTURY MEDIA - MICHIGAN	CONTRACT SVCS	\$625.00
03/22/2023	21ST CENTURY MEDIA - MICHIGAN	CONTRACT SVCS	649.32
03/23/2023	AARON DESENTZ	REIMBURSEMENT	124.99
03/22/2023	ALLEN ROOFING	REFUND	10.00
03/22/2023	ALMA TIRE SERVICE INC	SUPPLIES/VEHICLE MAINT	57.98
03/22/2023	ANNE MARIE LLC	REFUND	380.00
03/22/2023	AVFUEL CORPORATION	POS MONTHLY BILLING	20.00
03/22/2023	BUSINESS CONNECTIONS, INC.	CONTRACT SVCS	95.00
03/22/2023	CAROL MOODY	REIMBURSEMENT	308.20
03/22/2023	CDW GOVERNMENT, INC	SUPPLIES	467.98
03/22/2023	CENTURYLINK	COMMUNICATIONS	10.64
03/22/2023	CHARLES PEPPER	REFUND	53.00
03/22/2023	CITY TREASURER-CONTR RETAINAGE	CONTRACT SVCS	28,096.40
03/22/2023	CLARK HILL P.L.C.	CONTRACT SVCS	798.00
03/22/2023	CLAYTON MOLYNEUX	CONTRACT SVCS	30.00
03/22/2023	CONSUMERS ENERGY	UTILITIES	56,819.47
03/22/2023	COYNE OIL CORPORATION	FUEL	921.64
03/22/2023	CRC - MOREY COURTS REC CTR	CONTRACT SVCS	6,930.00
03/22/2023	CULLIGAN	CONTRACT SVCS	27.00
03/22/2023	CUSTOM HEATING & PLUMBING, INC.	CONTRACT SVCS	1,897.20
03/22/2023	DAVID COFFMAN	REIMBURSEMENT	1,158.68
03/22/2023	DLT SOLUTIONS LLC	CONTRACT SVCS	3,143.28
03/22/2023	ELHORN ENGINEERING COMPANY	CHEMICALS	1,645.00
03/22/2023	ELIZABETH PROUT	CONTRACT SVCS	60.00
03/22/2023	FIDELITY SECURITY LIFE INSURANCE CO	OPTICAL INSURANCE PREMIUMS	1,222.20
03/22/2023	FOR ARTS SAKE	CONTRACT SVCS	2,400.00
03/22/2023	FOSTER, SWIFT, COLLINS & SMITH, P.C	CONTRACT SVCS	7,858.00
03/22/2023	FRONT LINE SERVICES, INC	CONTRACT SVCS/SUPPLIES	4,133.89
03/22/2023	GRANGER	CONTRACT SVCS	76.68
03/22/2023	HAVILAND PRODUCTS COMPANY	CHEMICALS	1,439.00
03/22/2023	HYDROCORP, INC.	INSPECTION/REPORTING SVCS	4,829.50
03/22/2023	IDEXX DISTRIBUTION, INC.	CHEMICALS	1,647.06
03/23/2023	ISABEL HASS	REIMBURSEMENT	100.00
03/22/2023	JOHNSON & WOOD	CONTRACT SVCS/SUPPLIES	2,037.01
03/22/2023	KOPY KORNER	SUPPLIES	267.80
03/22/2023	KRAPOHL FORD LINCOLN MERC	CONTRACT SVCS	151.92
03/22/2023	LABELLE LIMITED LIABILITY	2022 WINTER TAX BRDA	810.00
03/22/2023	LANSING SANITARY SUPPLY, INC.	SUPPLIES	362.21
03/22/2023	LEWIS G. BENDER	TRAINING	5,587.50
03/22/2023	LOGOS GALORE/MORDICA SALES	UNIFORMS	422.00
03/22/2023	MARK KARIMI	CONTRACT SVCS	30.00
03/22/2023	MARTHA MACHARIA	REFUND	70.00
03/22/2023	MARY LACHANCE	REIMBURSEMENT	168.52

CHECK REGISTER FOR CITY OF MT PLEASANT  
CHECK DATE FROM 3/22/2023 THRU 3/23/2023

Check Date	Vendor Name	Description	Amount
Bank COMM COMMON CASH			
03/22/2023	MASTER ELECTRIC, INC	CONTRACT SVCS	3,765.00
03/22/2023	MCGUIRK MINI STORAGE	2022 WINTER TAX BRDA	460.00
03/22/2023	MCLAREN CORPORATE SERVICES	CONTRACT SVCS	845.00
03/22/2023	MI ASSOCIATION OF CHIEFS OF POLICE	TRAINING	1,195.00
03/22/2023	MIECONOMIC DEVELOPERS ASSOC.	2023 MEMBERSHIP	325.00
03/22/2023	MICHIGAN PIPE & VALVE	SUPPLIES	350.00
03/22/2023	MICHIGAN SOLAR SOLUTIONS	REFUND	27.00
03/22/2023	MICHIGAN STATE FIREMEN'S ASSOC	TRAINING	79.28
03/22/2023	MID-MICHIGAN INDUSTRIES	CONTRACT SVCS	64.70
03/22/2023	MPACF	CONTRACT SVCS	2,500.00
03/22/2023	NYE UNIFORM COMPANY	UNIFORMS	315.99
03/22/2023	OFFICE DEPOT	SUPPLIES	53.62
03/22/2023	OTIS ELEVATOR COMPANY	CONTRACT SVCS	95.40
03/22/2023	PETE'S AUTO BODY, INC	SUPPLIES/VEHICLE MAINT	125.00
03/22/2023	PHILLIP BISCORNER	REIMBURSEMENT	144.52
03/22/2023	PIYUSH SARAIYA	CONTRACT SVCS	30.00
03/22/2023	PREIN & NEWHOF	CONTRACT SVCS	265.00
03/22/2023	R & T MURPHY TRUCKING, LLC	CONTRACT SVCS	5,959.00
03/22/2023	RCL CONSTRUCTION CO. INC	CONTRACT SVCS	1,271.46
03/22/2023	RCL CONSTRUCTION CO. INC	CONTRACT SVCS	252,867.61
03/22/2023	REID REGENFUSS	CONTRACT SVCS	60.00
03/22/2023	ROBERT W LAMSON, PHD	CONTRACT SVCS	465.00
03/22/2023	ROMANOW BUILDING SERVICES	CONTRACT SVCS	6,327.69
03/22/2023	STATE OF MICHIGAN	CONTRACT SVCS	30.00
03/22/2023	STERICYCLE, INC.	CONTRACT SVCS	285.06
03/22/2023	SUNRISE ASSESSING SERVICES, LLC	CONTRACT SVCS	7,955.00
03/22/2023	TESSA HIGBIE	REFUND	170.00
03/22/2023	TYLER MOSS	REIMBURSEMENT	182.08
03/22/2023	UNIFIRST CORPORATION	CONTRACT SVCS	121.76
03/22/2023	USABBLUEBOOK	CHEMICALS/SUPPLIES	5,936.90
03/22/2023	W.W.WILLIAMS	CONTRACT SVCS	772.20
03/22/2023	WATERWORKS SYSTEMS & EQUIP INC	SUPPLIES	3,934.00
03/22/2023	WILLIAMS & WORKS	CONTRACT SVCS	6,000.00
03/22/2023	WOMEN'S AID SERVICES	CONTRACT SVCS	6,674.40
03/22/2023	YEO & YEO CONSULTING, LLC	CONTRACT SVCS	1,320.00

COMM TOTALS:

Total of 78 Checks:	\$448,914.74
Less 0 Void Checks:	0.00
Total of 78 Disbursements:	\$448,914.74

Wright Express3/13/2023

<u>Merchant Name</u>	<u>Description</u>	<u>Amount</u>	<u># of Invoices</u>
4IMPRINT, INC.	CONTRACT SVCS	\$626.26	1
4IMPRINT, INC.	SUPPLIES	2,470.14	1
ADOBE SYSTEMS, INC	CONTRACT SVCS	19.99	1
ADOBE SYSTEMS, INC	SUPPLIES	75.98	2
ADVANCE AUTO PARTS	SUPPLIES	614.64	11
AIRGAS GREAT LAKES	SUPPLIES	681.32	3
AJ TEK CORPORATION	CONTRACT SVCS	60.54	1
AMAZON.COM	CONTRACT SVCS	27.46	2
AMAZON.COM	SUBSCRIPTION	47.97	1
AMAZON.COM	SUPPLIES	2,142.07	29
AMAZON.COM	SUPPLIES/VEHICLE MAINT	559.58	3
AMAZON.COM	UNIFORM	50.99	1
ARMAGEDDON GEAR LLC	SUPPLIES	(17.99)	1
ART REACH OF MID MICHIGAN	SUPPLIES	150.00	1
AUTOZONE, INC.	SUPPLIES	21.57	1
AUTOZONE, INC.	SUPPLIES/VEHICLE MAINT	165.43	2
BANDIT INDUSTRIES, INC	SUPPLIES	560.01	1
BATTERIES PLUS	SUPPLIES	46.65	2
BIGGBY COFFEE	SUPPLIES	51.46	1
BILL'S CUSTOM FAB, INC	SUPPLIES	375.86	3
BLUE WATER MANAGEMENT SOLUTIONS	TRAINING	165.00	1
BRASS CAFE & SALOON	SUPPLIES	89.26	2
C & C ENTERPRISES, INC	SUPPLIES	599.34	2
C & O SPORTSWEAR	SUPPLIES	2,364.90	1
CELLEBRITE INC	CONTRACT SVCS	4,300.00	1
CENTRAL MICHIGAN LIFE	CONTRACT SVCS	95.00	2
CEU PLAN, INCORPORATED	TRAINING	107.30	1
CHARTER COMMUNICATIONS	CONTRACT SVCS	459.89	2
CITY OF LANSING PARKING	TRAINING	48.00	5
COMFORT INN	CONTRACT SVCS	4,901.71	1
COMMUNITY CATS PODCAST	TRAINING	75.00	1
COPS & DOUGHNUTS LLC	SUPPLIES	156.51	3
COURSERA INC	TRAINING	39.00	1
CREATING BRAND LEGACY	SUPPLIES	1,025.00	1
CRICUT.COM	CONTRACT SVCS	10.59	1
CVS STORE	SUPPLIES	15.48	2
DASH MEDICAL GLOVES	SUPPLIES	110.90	1
DOLLARTREE	SUPPLIES	51.25	3
DOUG'S SMALL ENGINE REPAIR	CONTRACT SVCS	244.96	1
DOUG'S SMALL ENGINE REPAIR	SUPPLIES	288.35	3
DREAMSTIME.COM	SUPPLIES	39.00	1
EBAY	SUPPLIES	99.27	2
EQUIPSUPPLY.COM	SUPPLIES	503.16	6
ETNA SUPPLY	SUPPLIES	78.51	2
FACEBOOK ADS	CONTRACT SVCS	39.50	2

Wright Express3/13/2023

<u>Merchant Name</u>	<u>Description</u>	<u>Amount</u>	<u># of Invoices</u>
FIVE BELOW	SUPPLIES	185.50	2
FLT GEOSYSTEMS	SUPPLIES	167.07	3
FORESTRY SUPPLIERS, INC.	SUPPLIES	397.16	1
FRONTIER COMMUNICATONS	COMMUNICATIONS	70.98	1
FUNEXPRESS.COM	SUPPLIES	404.96	2
GALCO INDUSTRIAL ELECTRONICS, INC.	SUPPLIES	31.45	1
GET SMART PRODUCTS	SUPPLIES	59.76	1
GILL-ROY'S HARDWARE	SUPPLIES	455.97	23
GORDON FOOD SERVICE	SUPPLIES	723.76	10
GOTOMYPC.COM	CONTRACT SVCS	88.00	2
GOVERNMENT FINANCE OFF ASSN	DUES	225.00	1
GRAINGER	SUPPLIES	428.26	3
GREENTREE COOPERATIVE GROCERY	SUPPLIES	1.88	1
GT RUBBER SUPPLY	SUPPLIES	641.71	4
HANDCUFF WAREHOUSE	SUPPLIES	191.10	1
HARBOR FREIGHT TOOLS	SUPPLIES	136.81	4
HOFFMAN'S POWER EQUIPMENT, INC.	CONTRACT SVCS	71.81	1
HOLIDAY INN CREDIT CARD	TRAINING	454.53	2
HOME DEPOT	SUPPLIES	5,058.13	69
HUNGRY HOWIE'S PIZZA	SUPPLIES	26.98	1
HUTSON, INC	SUPPLIES	(1.58)	1
IDENTOGO	CONTRACT SVCS	192.75	3
INDUSTRIAL STORM WATER	TRAINING	30.60	1
INSOMNIA COOKIES	SUPPLIES	59.36	1
INTERNATIONAL ASSOC OF FIRE CHIEFS	DUES	345.00	1
INTERNATIONAL CODE COUNCIL	TRAINING	290.00	1
JAY'S SPORTING GOODS	SUPPLIES	199.98	2
JCI MICHIGAN	DUES	80.00	1
JERSEY MIKES	SUPPLIES	123.48	1
JIMMY JOHN'S	SUPPLIES	357.94	4
JNR ENGRAVING	SUPPLIES	13.50	1
KAHOOT!	SUPPLIES	181.62	1
KRAPOHL FORD LINCOLN MERC	SUPPLIES	78.08	1
LOCAL DIFFERENCE, LLC	CONTRACT SVCS	100.00	1
MACEO	TRAINING	175.00	1
MCMASTER-CARR SUPPLY CO.	SUPPLIES	1,761.76	3
MEDLER ELECTRIC COMPANY	SUPPLIES	1,105.75	7
MEIJER INC	SUPPLIES	397.82	8
MENARDS - MT. PLEASANT	SUPPLIES	2,868.74	24
MI ASSOCIATION OF AIRPORT EXECUTIVE	TRAINING	(450.00)	2
MICH SOC HUMAN RES MGMT	DUES	413.00	1
MICHIGAN CAT	SUPPLIES	1,675.00	1
MICHIGAN ECONOMIC DEVELOPERS ASSOC	TRAINING	90.00	2
MICHIGAN FARMERS MARKET ASSOC	SUPPLIES	200.00	1
MICHIGAN FIRE INSPECT SOCIETY	DUES	62.50	2

Wright Express3/13/2023

<u>Merchant Name</u>	<u>Description</u>	<u>Amount</u>	<u># of Invoices</u>
MICHIGAN FIRE INSPECT SOCIETY	TRAINING	1,215.00	3
MICHIGAN MUNICIPAL LEAGUE	TRAINING	715.00	2
MICHIGAN RURAL WATER ASSN	TRAINING	340.00	1
MICHIGAN SECTION-AWWA	DUES	604.00	2
MICHIGAN SECTION-AWWA	TRAINING	75.00	1
MID-MICHIGAN EQUIPMENT CORP	SUPPLIES	683.86	1
MIREGISTRY.ORG	TRAINING	30.00	3
MOUNTAIN TOWN STATION	CONTRACT SVCS	804.00	1
MRWA	CONTRACT SVCS	99.00	1
MT PLEASANT AUTOMOTIVE SUPPLY	SUPPLIES	142.49	4
MT PLEASANT RENTAL CENTER, INC	EQUIPMENT RENTAL	43.19	1
MUNICIPAL WASTEWATER	TRAINING	96.90	1
NAPA AUTO PARTS	SUPPLIES	1,569.36	11
NAPA AUTO PARTS	SUPPLIES/VEHICLE MAINT	149.99	1
NATIONAL ASSOCIATION OF FIRE INVESTIGATO	DUES	55.00	1
NFPA	DUES	175.00	1
NFPA	SUPPLIES	1,552.50	1
NORM'S FLOWER PETAL	SUPPLIES	450.00	1
OFFICE DEPOT	SUPPLIES	348.25	3
OLSON TIRE SERVICE	CONTRACT SVCS	1,004.78	3
PESI, INC	TRAINING	29.99	1
PESTED.COM	TRAINING	95.00	1
PICKARD STREET CITGO	FUEL	23.50	1
PICKARD STREET CITGO	SUPPLIES	18.72	1
PIONEER AUCTION SERVICE	CONTRACT SVCS	212.44	1
PRESTO DIRECT-CC	SUPPLIES	59.34	1
PRO COMM, INC	SUPPLIES	62.00	1
PURITY CYLINDER GASES	SUPPLIES	3,063.13	8
REFURBUPS.COM	SUPPLIES	1,719.58	1
REPUBLIC SERVICES #239	CONTRACT SVCS	776.24	3
RIC'S FOOD CENTER	SUPPLIES	10.68	2
SAM'S CLUB #4982	SUPPLIES	586.68	7
SATO AMERICA INC	SUPPLIES	90.46	1
SAVE-A-LIFE CPR & TRAINING	TRAINING	90.00	1
SCIENTIFIC BRAKE & EQUIPMENT CO	SUPPLIES	344.36	4
SHERWIN WILLIAMS	SUPPLIES	316.79	3
SINGLESOURCE	SUPPLIES	35.85	1
SMARTSIGN - CC	SUPPLIES	40.68	1
SMEMSIC	DUES	75.00	1
SOCIETY OF HUMAN RESOURCES MANAGEMEN	DUES	114.50	1
SPARTAN DISTRIBUTORS	SUPPLIES	272.90	1
STACKCHAIRS4LESS.COM	CONTRACT SVCS	970.13	2
STANDARD ELECTRIC COMPANY	SUPPLIES	39.02	1
STAPLES - MP	SUPPLIES	1,296.24	13
STARBUCKS	SUPPLIES	3.45	1

Wright Express3/13/2023

<u>Merchant Name</u>	<u>Description</u>	<u>Amount</u>	<u># of Invoices</u>
SURVEYMONKEY.COM	CONTRACT SVCS	468.00	1
TARGET	SUPPLIES	180.48	4
TECHNICAL LEARNING CENTER	TRAINING	250.00	1
THE EASTWOOD COMPANY	SUPPLIES	989.27	1
THE UPS STORE	CONTRACT SVCS	115.49	3
THE WALL STREET JOURNAL	SUBSCRIPTION	38.99	1
THE WANDERHEART PROJECT	CONTRACT SVCS	670.50	1
TLO ONLINE	CONTRACT SVCS	75.00	1
TRACTOR SUPPLY	SUPPLIES	313.26	7
TRI-CITY EQUIPMENT RENTAL AUBURN	SUPPLIES	1,358.00	1
U S POSTMASTER	CONTRACT SVCS	33.90	2
U S POSTMASTER	HEALTH INS ADMIN COSTS	7.57	1
U S POSTMASTER	SUPPLIES	63.00	1
ULINE SHIP SUPPLIES	SUPPLIES	102.06	1
VALET AUTO CARE, INC	SUPPLIES/VEHICLE MAINT	225.00	1
VERIZON WIRELESS	COMMUNICATIONS	5,094.62	44
VERIZON WIRELESS	SUPPLIES	23.84	1
VOLGISTICS, INC	CONTRACT SVCS	98.00	1
WAL-MART	SUPPLIES	465.40	4
WASTE MANAGEMENT	CONTRACT SVCS	260.82	2
WEBSTaurant STORE	CONTRACT SVCS	436.19	2
WEBSTaurant STORE	SUPPLIES	692.79	1
WEF MEMBERSHIP	MEMBERSHIP	155.00	1
WINN TELECOM	COMMUNICATIONS	1,810.82	5
WINN TELECOM	CONTRACT SVCS	300.00	1
WIRELESS SENSOR TAGS	SUPPLIES	103.99	1
YOURMEMBERSHIP.COM, INC	CONTRACT SVCS	399.00	2
ZOOM, INC.	CONTRACT SVCS	164.89	2
		<hr/>	<hr/>
	TOTALS	\$80,203.81	517

# Memorandum



TO: Aaron Desentz  
City Manager

CC: William R. Mrdeza  
Director of Community Services and Economic Development

FROM: Phil Biscorner  
Director of Parks and Public Spaces

DATE: March 15, 2023

SUBJECT: Community Garden/Orchard at Horizon Park

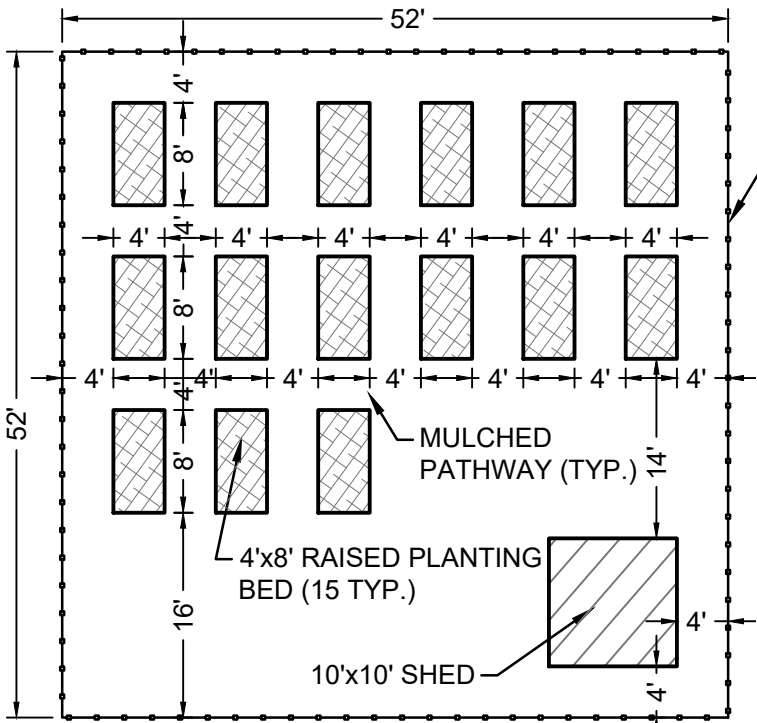
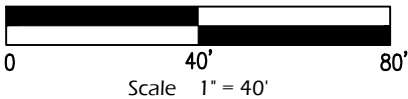
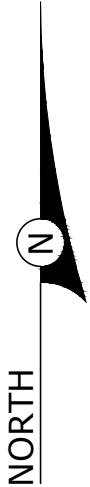
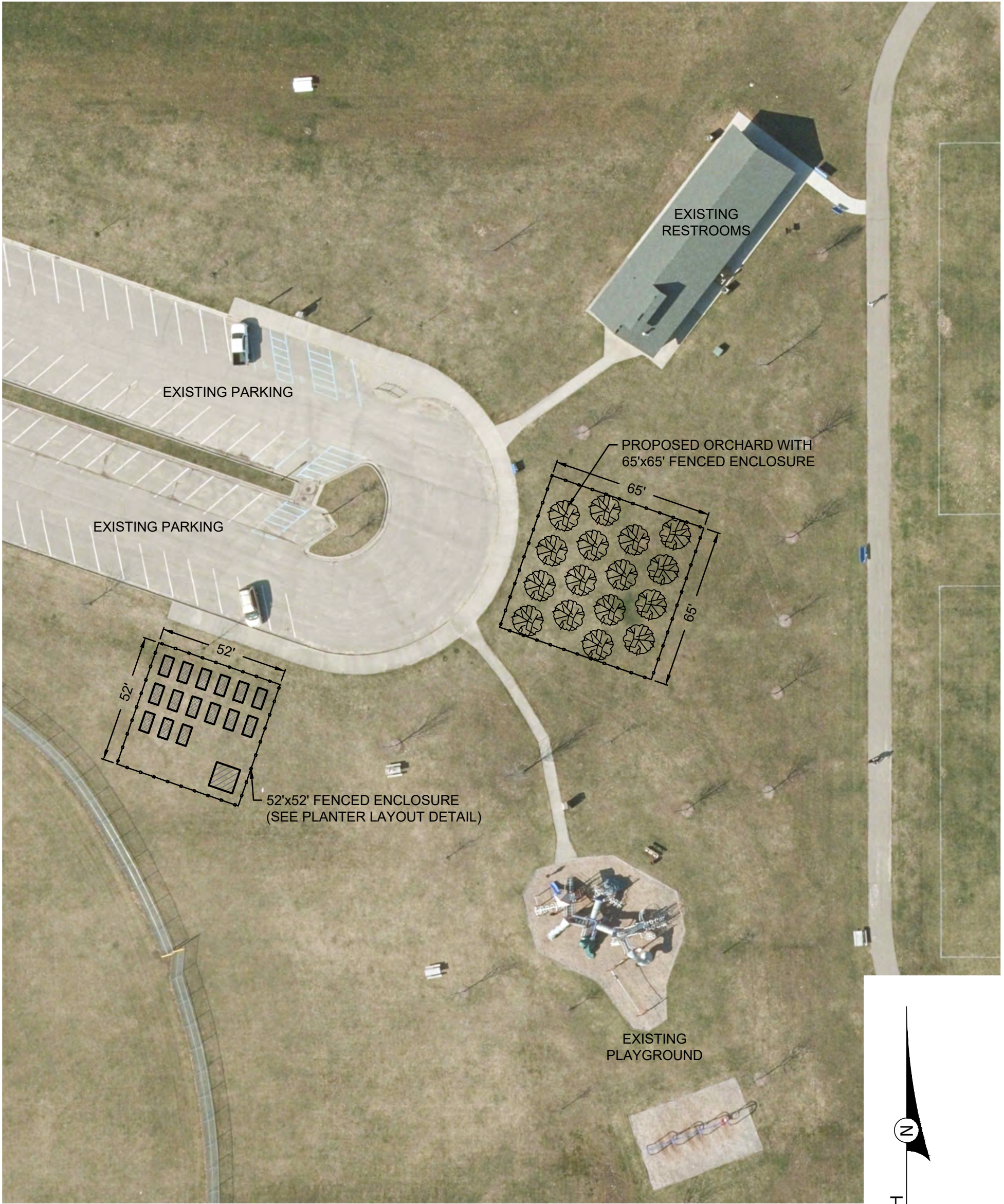
## **Background:**

This project is intended to provide a space aimed at fostering healthy living, environmental responsibility and community engagement. Our goal is to increase access to organic food, promote healthier diets and food systems, and enhance the overall well-being of our community, both physically and mentally. The garden will include 15 raised beds constructed from cedar, which will ensure longevity and will be rented out to community members for a nominal cost of \$30 annually. The proposal will also include an orchard. The exact location of the orchard is tentative at this time as the location may benefit by being located closer to the community garden. This will provide an affordable opportunity for individuals and families to grow their own fresh vegetables and learn about sustainable gardening practices in an urban environment. The use of the raised beds will also afford a means to expand the overall number of garden beds as usage increases.

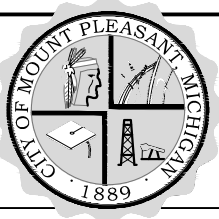
## **Request Action:**

The City Commission is requested to authorize City Staff to seek funding opportunities of approximately \$10,000 to construct a universally accessible community garden/Orchard at Horizon Park and consider resolution to set the rental fee for plots to \$30. If approved, construction would be scheduled to begin in April 2023 with a planned opening by June 2023.





PLANTER LAYOUT DETAIL  
SCALE: 1" = 15'



CITY OF MOUNT PLEASANT  
DIVISION OF PUBLIC WORKS  
320 W. BROADWAY  
MT. PLEASANT, MICHIGAN 48858  
(989)-779-5401  
WWW.MT-PLEASANT.ORG

PRELIMINARY PLAN  
**HORIZON PARK  
PLANTING BEDS**

DESIGN BY **PB**  
DRAWN BY **RL**  
CHECKED BY \_\_\_\_\_  
APPROVED BY \_\_\_\_\_

CONSTRUCTED \_\_\_\_\_  
DATE OF PLAN **3/16/2023**  
SCALE **1" = 40'**  
SHEET **1** OF **1** SHEETS





**Strategic Planning Engagement -  
Mt. Pleasant City Commission**  
March 27, 2023



**CENTRAL**  
MICHIGAN UNIVERSITY

# Overview

Welcome

Expectations for the session

Prompting questions and feedback

Closing comments



**CENTRAL**  
MICHIGAN UNIVERSITY

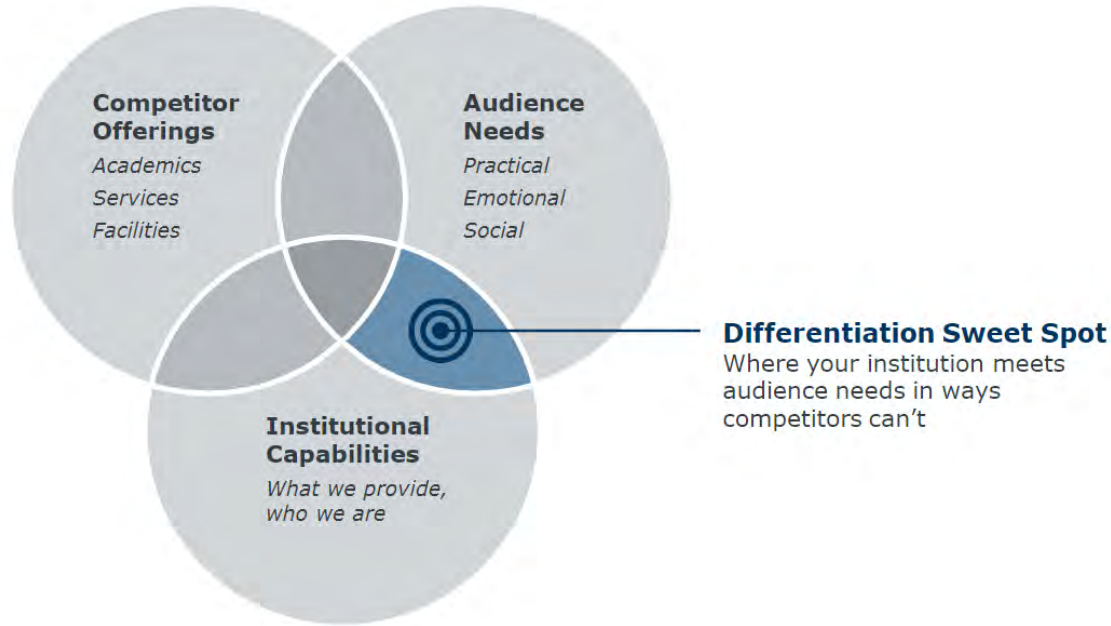
# Moving CMU Forward

- Central Michigan University's most recent strategic plan, *Advancing Excellence*, expired at the end of 2022.
- CMU depends on growth in enrollment and net tuition revenue to be able to invest in its mission and its faculty and staff.
- Competing colleges and universities will continue to aggressively recruit students.
- Students have an increasing number of institutions to choose from, and they will decide based on their perception of the institution's value to them and their life goals.
- CMU needs to utilize the lens of current and future students when creating a new strategic plan.



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# We Need to Differentiate CMU from Competitors and Peers



Source: EAB (2022)



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MICHIGAN UNIVERSITY



# To submit feedback online:



[planning.cmich.edu/city](https://planning.cmich.edu/city)



**CENTRAL**  
MICHIGAN UNIVERSITY

# Expectations for the session

- Everyone here has a voice.
- Be open to all perspectives and suggestions.
- Prompting questions will guide our conversation.
- Options to submit your thoughts electronically.



**CENTRAL**  
MICHIGAN UNIVERSITY

How can CMU differentiate itself from competitors and provide significant value to students as a regional comprehensive research university in the future?



**CENTRAL**  
MICHIGAN UNIVERSITY



How can CMU best adapt to the changing needs of students?



**CENTRAL**  
MICHIGAN UNIVERSITY

# How can CMU positively impact the following in a rapidly changing world:

1. Communities?
2. Meeting employer expectations?
3. Meeting societal needs?



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# To submit feedback online:



[planning.cmich.edu/city](https://planning.cmich.edu/city)



**CENTRAL**  
MICHIGAN UNIVERSITY



**Thank you!**



**CENTRAL**  
MICHIGAN UNIVERSITY





SEMI-ANNUAL TWO PERCENT ALLOCATION  
CITY OF MT. PLEASANT REQUESTS  
SPRING 2023

<u>DEPARTMENT/PROJECT NAME</u>	<u>AMOUNT</u>	<u>PRIORITY</u>
<i>Community Services</i>		
Mid Michigan/GKB Riverwalk Pathway Northern Connection	\$ 200,000	H
Design and Engineering, Bidding and Construction Services		
M-20 Pedestrian Bridge Replacement	\$ 138,000	H
Town Center Civic Space	\$ 430,000	M
<i>Public Safety</i>		
Aerial Fire Apparatus	\$ 100,000	H
Axon Vehicle and Body Camera System	\$ 130,005	C
iRecord Interview Room System	\$ 35,426	C
Mid-Michigan Investigative Narcotics Team	\$ 62,400	C
Youth Services Unit Tahoe	\$ 58,000	C
<i>Public Works</i>		
1303 N Franklin Former Landfill Remediation & Monitoring	\$ 50,000	L
Automatic Water Meters	\$ 59,940	M
Airport Operations	\$ 80,000	C
City Hall Retaining Walls-Broadway Street Sidewalk Replacement	\$ 122,000	M
City ROW Tree Inventory	\$ 15,000	M
Close Sidewalk Gaps	\$ 89,000	M
Food Waste/Organics Receiving	\$ 300,000	M
Lime Disposal	\$ 215,000	H
Overlays and Street Resurfacing	\$ 577,000	M
Pickard and Bradley Traffic Signal	\$ 84,100	H
Pickard Storm Sewer	\$ 208,500	H
Screening and Debris Removal Odor Control and Rehabilitation	\$ 16,000	C
Sidewalk Replacement	\$ 150,000	L
Storm Sewer Extensions	\$ 82,050	M
<b>Total Requested</b>	<b>\$ 3,202,421</b>	

# Overview

**Project Name**

Mid-Michigan/GKB Pathway North Connection Design and Engineering, Bidding, and Constructions services

**Total Requested**

\$200,000.00

(amount based on the Itemized Budget total)

**Applicant Project Priority**

High

**Reoccurring Need?**

Not Reoccurring

# Applicant Information

**Applicant Name**

[pbiscorner@mt-pleasant.org](mailto:pbiscorner@mt-pleasant.org)

**Applicant Email**

Phil Biscorner

**Organization**

City of Mt. Pleasant

**Address**

320 West Broadway

Mt. Pleasant , 48858

**Phone Number**

989-779-5328

# Organization Information

**Primary Organization**

City of Mt. Pleasant

**Authorizers**

[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**

Review

**Address**

320 W. Broadway

Mount Pleasant, Michigan 48858

**Phone**

(989) 779-5300

**Fax**

# Project Partners

**Partnered With**

Union Township

**Authorizers**

Mark Stuhldreher [mstuhldreher@uniontownshipmi.com](mailto:mstuhldreher@uniontownshipmi.com)

**Status**

Review

**Address**

2010 S Lincoln Road

Mount Pleasant, Michigan 48858

**Phone**

989-772-4600

**Fax**

989-773-1988

## Categories

- Infrastructure
- Park Improvements
- Transportation

## Project Description

The Project request is for funds to secure Design, Engineering, Bidding, and Construction services for the 2024 Mid-Michigan Pathway and GKB Riverwalk North Connection.

## Benefit Description

This pathway would add additional community-wide pedestrian access to the GKB Riverwalk Trail, connect Mission Creek Park to the GKB Riverwalk Trail and connect the City of Mt. Pleasant dog park to the pathway system. The dog park is a partnership between the City, Union Township, and the Friends of the Dog Park citizen’s group. The trail addition would also create a northerly connection point for the Mid-Michigan Community Pathway to connect to Clare in the future. Connection points to regional pathway systems have been shown to increase the ability to obtain grant funding for pathway projects and increase the number of visitors to a community having positive economic benefits. Pathway projects also contribute to a reduction in obesity and provide an overall positive health benefit to the community. This project also supports the philosophy and many of the recommendations contained in the Greater Mt. Pleasant Area Non-Motorized Plan.

## Funding Requirements

Partnerships with area agencies will be a focus along with pursuit and leveraging of available grant resources to design the trail in 2022 and construct in 2024.

## Project Timeline

This project is proposed to be complete in Spring/Summer 2024

## Budget Items

Name	Cost	Quantity	Total	Category
Mid-Michigan/GKB Pathway North Connection Design and Engineering, Bidding, and Constructions services	\$200,000.00	1	\$200,000.00	Infrastructure
AmountRequested	\$200,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Union Township	\$200,000.00	1	\$200,000.00
TAP Grant	\$400,000.00	1	\$400,000.00
Mt. Pleasant	\$500,000.00	1	\$500,000.00
AmountMatched	\$1,100,000.00		

## Budget Summary

### Amount Requested

\$200,000.00

Amount Matched

\$1,100,000.00

Total Amount

\$1,300,000.00

Uploaded Files

Name
No files have been uploaded.

There are no comments to display.



# Overview

**Project Name**  
M-20 Pedestrian Bridge Replacement

**Total Requested**  
\$138,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
High

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[pbiscorner@mt-pleasant.org](mailto:pbiscorner@mt-pleasant.org)

**Applicant Email**  
Phil Biscorner

**Organization**  
City of Mt. Pleasant

**Address**  
320 West Broadway  
Mt. Pleasant , 48858

**Phone Number**  
989-779-5328

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Infrastructure
- Park Improvements
- Transportation

# Project Description

The Project request is for funds to hire a firm to provide Design, Engineering and bidding services and acquire a replacement for the M-20 Pedestrian Bridge which is a major connection point for the GKB Riverwalk Trail System over the Chippewa River. The GKB Riverwalk Trail System is also part of the greater Mid-Michigan Pathway which is proposed to extend from Ithaca to Clare.

## Benefit Description

In Spring of 2021 the City requested and received \$15,100 from the Saginaw Chippewa Indian Tribe 2% grants and provided an additional \$6,900 from the Capital Improvement Fund for a total of \$22,000 to repair and repaint the pedestrian bridge that is part of the Mt. Pleasant Riverwalk Trail that crosses the Chippewa River at High Street (M-20 West). The request was based on a verbal quote from a paint contractor. This wood and steel foot bridge is located alongside the concrete MDOT vehicular bridge that crosses the River and is owned and maintained by the City of Mt. Pleasant after being transferred to City ownership by MDOT. This footbridge and trail along High St. from Watson St. to Chipp-A-Waters Park was built in 2003 as a joint venture between the City of Mt. Pleasant and the Michigan Department of Transportation (MDOT). MDOT was originally responsible for the bidding and construction management of the project. After the project was complete, operation and maintenance of the bridge and trail became the responsibility of the City Parks Department and is an important link in the overall Mt. Pleasant Riverwalk trail.

The City received concerns from a third-party consultant that there were issues with the original paint system, splice plates, and additional unknown damage that will be visible only after sandblasting. Based on those concerns, the consultant recommended that the bridge needs to either be replaced or repainted in the next two years. Because of difficulty finding a MDOT certified bridge painter, combined with the cost of painting and additional concerns over the quality of the existing bridge, staff has determined that a new bridge is the proper way to move forward.

The replacement of this pedestrian bridge not only would allow for the continued use of the community-wide pedestrian access to the GKB Riverwalk Trail, it would also allow for a more typical structure lifespan of 50-75 years. Connection points to regional pathway systems have been shown to increase the ability to obtain grant funding for pathway projects and increase the number of visitors to a community, which would have positive economic benefits. Pathway projects also contribute to a reduction in obesity and provide an overall positive health benefit to the community. This project also supports the philosophy and many of the recommendations contained in the 2011 Greater Mt. Pleasant Area Non-Motorized Plan as previously adopted by the City and Union Township.

## Funding Requirements

Partnerships with area agencies will be a focus along with pursuit and leveraging of available grant resources to replace the bridge in 2023.

## Project Timeline

This project is proposed to be completed in Fall 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Design, Engineering and bidding services	\$138,000.00	1	\$138,000.00	Infrastructure
AmountRequested	\$138,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Replacement Bridge	\$550,000.00	1	\$550,000.00
AmountMatched	\$550,000.00		

## Budget Summary

### Amount Requested

\$138,000.00

### Amount Matched

\$550,000.00

### Total Amount

\$688,000.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**  
Town Center Civic Space Upgrades

**Total Requested**  
\$430,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[msponseller@mt-pleasant.org](mailto:msponseller@mt-pleasant.org)

**Applicant Email**  
Michelle Sponseller

**Organization**  
City of Mt. Pleasant

**Address**  
320 West Broadway  
Mt. Pleasant , 48858

**Phone Number**  
9897795348

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Economic development
- Infrastructure
- Park Improvements

# Project Description

The Town Center Civic Space Upgrades project is a key initiative by the City of Mt. Pleasant to create a dynamic community space that is accessible and inclusive to all members of the community. The project will involve the reconstruction of parking lot #3, the small existing green space and by closing Mosher Street. The proposed design will increase the green space by 4 ½ times, add more parking spaces to the existing parking lot, upgrade electrical for special events, install electrical car charging stations and incorporate Universal Accessibility design principles. The total cost of these upgrades is estimated at \$430,000.

The total project estimated cost is \$1,139,890, and is intended to be a long-term investment in the city's economic development. The

proposed Town Center Civic Space will be an attractive destination for tourists and will help to create a vibrant business district in the heart of Mt. Pleasant. More importantly, the project will be a community gathering space, providing year-round entertainment for all ages and abilities, and an outdoor venue for art, music, and other events.

## Benefit Description

The primary objectives of the Town Center Civic Space Upgrades are:

- Create an accessible and inclusive community gathering space that will be a family-friendly attraction and a hub for year-round entertainment.
- Improve the aesthetic appeal of the city's downtown area, creating a more vibrant and inviting environment for residents and visitors.
- Create additional parking spaces that will help to alleviate parking issues in the downtown area and support local businesses.
- Incorporate Universal Accessibility design principles into the project, ensuring that all members of the community can access and enjoy the space.
- Support the city's economic development goals by creating a vibrant business district and attracting more tourists to the area.

## Funding Requirements

The estimated cost for the Town Center Civic Space Upgrades is \$430,000. The budget breakdown is as follows:

- Demo and site work to close Mosher street, expansion of green space, (7) additional parking spaces, engineering and design: \$355,000
- Electrical for special events: \$40,000
- Dual car charging station: \$35,000

## Project Timeline

The proposed timeline for the Town Center Civic Space Upgrades project is as follows:

- May - August 2023: Project planning and design phase, including community engagement and public consultation phase
- October 2023: Final design
- December 2023: Project bid
- May 2024: Construction phase begins
- October 2024: Project completion

## Budget Items

Name	Cost	Quantity	Total	Category
• Demo and site work to close Mosher street, expansion of green space, (7) additional parking spaces, engineering and design: \$355,000	\$355,000.00	1	\$355,000.00	Infrastructure
• Electrical for special events	\$40,000.00	1	\$40,000.00	Infrastructure
• Dual car charging station	\$35,000.00	1	\$35,000.00	Infrastructure
AmountRequested	\$430,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Reconstruction of parking lot	\$709,890.00	1	\$709,890.00
AmountMatched	\$709,890.00		

## Budget Summary

### Amount Requested

\$430,000.00

### Amount Matched

\$709,890.00

## Total Amount

\$1,139,890.00

## Uploaded Files

Name
<a href="#">Parking Lot 3 Reconstruction and Civic Space Budget</a>
<a href="#">Concept for Parking Lot 3 Reconstruction and Town Center Civic Space</a>

There are no comments to display.

**City of Mt. Pleasant, Michigan**  
**Town Center Reconstruction - Eliminate Mosher Street Between Main and Broadway. Combine**  
**lots 3 and 10.**  
1/9/2023

**Base Items - Remove Mosher Street and New Parking Lot Construction**

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Preconstruction Audio/Video Recording	1	LS	\$ 2,000.00	\$ 2,000.00
Minor Traf Devices	1	LS	\$ 10,000.00	\$ 10,000.00
Relocate Flag Pole	1	LS	\$ 5,000.00	\$ 5,000.00
Light Std Fdn, Rem	4	Ea	\$ 500.00	\$ 2,000.00
Light Pole, Rem	4	Ea	\$ 500.00	\$ 2,000.00
Planter, Rem (Large)	5	Ea	\$ 500.00	\$ 2,500.00
Planter, Rem (Small)	7	Ea	\$ 100.00	\$ 700.00
Tree, Rem	20	Ea	\$ 900.00	\$ 18,000.00
Steps, Rem	1	LS	\$ 1,000.00	\$ 1,000.00
Signs, Rem	1	LS	\$ 1,000.00	\$ 1,000.00
Curb and Gutter, Rem	2,700	Ft	\$ 5.00	\$ 13,500.00
Pavt, Rem	4,500	Syd	\$ 12.50	\$ 56,250.00
Sidewalk, Rem	1,020	Syd	\$ 10.00	\$ 10,200.00
Sidewalk, Clay Brick Paver, Rem	356	Sft	\$ 5.00	\$ 1,780.00
Dr Structure, Rem	8	Ea	\$ 300.00	\$ 2,400.00
Sewer, Rem, Less than 24 inch	500	Ft	\$ 20.00	\$ 10,000.00
Sewer, 12 Inch, Cap	4	Ea	\$ 100.00	\$ 400.00
Dr Structure, Tap, 12 inch	2	Ea	\$ 500.00	\$ 1,000.00
Excavation, Earth (Grading)	1	LS	\$ 40,000.00	\$ 40,000.00
Underground Detention System	1	LS	\$ 70,000.00	\$ 70,000.00
Subgrade Undercutting, Type II	200	Cyd	\$ 20.00	\$ 4,000.00
Erosion Control, Filter Bag	5	Ea	\$ 125.00	\$ 625.00
Dr Structure, 48 inch dia	8	Ea	\$ 2,400.00	\$ 19,200.00
Dr Structure, cover, CB, Modified	8	Ea	\$ 900.00	\$ 7,200.00
Sewer, CI A, 12 inch, Tr Det B	700	Lft	\$ 60.00	\$ 42,000.00
Subbase, CIP, Min. \$5.00	1,700	Cyd	\$ 22.00	\$ 37,400.00
Aggregate Base, 8 Inch	5,000	Syd	\$ 12.00	\$ 60,000.00
HMA, 13A (3")	850	Ton	\$ 117.00	\$ 99,450.00
Hand Patching	50	Ton	\$ 250.00	\$ 12,500.00
Curb and Gutter, Conc, Det F4, Modified	1,500	Lft	\$ 28.00	\$ 42,000.00
Driveway Opening, Conc, Det M	80	Lft	\$ 24.00	\$ 1,920.00
Driveway, Nonreinf, Conc, 6 Inch	180	Syd	\$ 100.00	\$ 18,000.00
Slope Restoration	2,200	Syd	\$ 10.00	\$ 22,000.00
Sidewalk, Conc, 4 inch	6,300	Sft	\$ 5.50	\$ 34,650.00
Sidewalk, Conc, 6 inch	600	Sft	\$ 6.50	\$ 3,900.00
Stamped and Colored Concrete	500	Sft	\$ 20.00	\$ 10,000.00
Detectable Warning Surface, Modified	60	Ft	\$ 60.00	\$ 3,600.00
Furnish Light Pole, Double Fixture and Accessories	4	Ea	\$ 12,000.00	\$ 48,000.00
Install Light Pole	4	Ea	\$ 1,500.00	\$ 6,000.00
Replace existing wiring for light poles	1	LS	\$ 10,000.00	\$ 10,000.00
Tree, 2.5"	14	Ea	\$ 600.00	\$ 8,400.00
Parking signs and posts	1	LS	\$ 10,000.00	\$ 10,000.00
Pavt Mrkg, Waterborne, 4 inch, White	2,200	Ft	\$ 1.00	\$ 2,200.00
Pavt Mrkg, Waterborne, 4 inch, Blue	500	Ft	\$ 1.00	\$ 500.00
Pavt Mrkg, Waterborne, Blue, ADA Parking Symbol	4	Ea	\$ 100.00	\$ 400.00
Pavt Mrkg, Crosswalk, 4 inch White	400	Ft	\$ 1.00	\$ 400.00
Hanging Planter Baskets	4	Ea	\$ 400.00	\$ 1,600.00
Misc Removals and Cover Adjusts	1	LS	\$ 15,000.00	\$ 15,000.00
Irrigation	1	LS	\$ 20,000.00	\$ 20,000.00
Testing (Allowance)	1	LS	\$ 15,000.00	\$ 15,000.00
Contractor Staking (Allowance)	1	LS	\$ 20,000.00	\$ 20,000.00

Subtotal	\$825,675.00
Inflation (3%)	\$24,770.25
Contingency (10%)	\$85,044.53
Engineering (15%)	\$127,566.79
<b>Total</b>	<b>\$1,063,056.56</b>

**Notes:**

1. Estimate does not include masonry walls or decorative aluminum fencing (parking lot 8 costs for walls and fence - \$125,000)
2. Estimate includes new wiring for light poles, but does not include electrical upgrades for town center or new receptacles.
3. Estimate does not include parallel parking lanes on Main or Broadway.
4. Estimate includes hanging baskets, but no other planters.
5. Estimate does not include pedestrian lighting.

**ADD ALTERNATE OPTIONS****Alternate - Dumpster Enclosure**

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Dumpster Enclosure with Gates (12' x 18.6' for 2 dumpsters)	1	Ea	\$ 30,000.00	\$ 30,000.00
Conc Pavt, Reinf, 8 inch for dumpster enclosure	1	Ea	\$ 3,000.00	\$ 3,000.00

Total \$ 33,000.00

**Alternate - Electrical and Receptacles for Town Center Events**

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Event electrical upgrade - new panel, receptacles	1	LS	\$ 40,000.00	\$ 40,000.00

Total \$ 40,000.00

**Alternate - Add One Dual Car Charging Station**

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Dual Car Charging Station	1	Ea	\$ 35,000.00	\$ 35,000.00

Total \$ 35,000.00

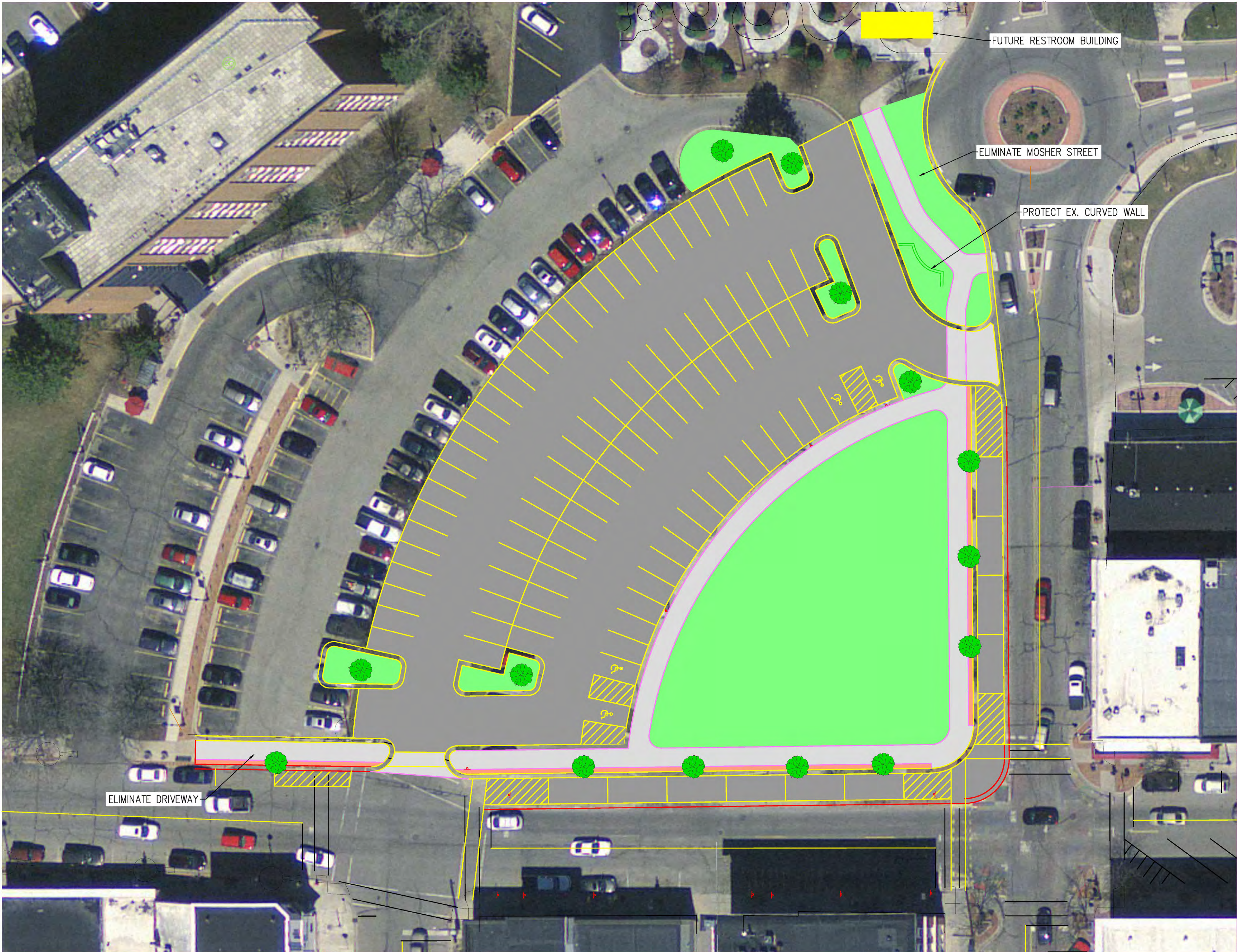


**Alternate - Remove Curbs and Add Parallel Parking With Streetscape and Ped. Lights**  
**West Side of Main and North Side of Broadway**  
 (Assumes standard streetscape to match Michigan and Illinois)  
 (Assumes removal and replacement of 2 decorative street lights. Roundabout lights to remain)

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Curb and Gutter, Rem	500	Ft	\$ 5.00	\$ 2,500.00
Pavt, Rem	200	Syd	\$ 12.50	\$ 2,500.00
Light Std Fdn, Rem	5	Ea	\$ 500.00	\$ 2,500.00
Light Pole, Rem	5	Ea	\$ 500.00	\$ 2,500.00
Dr Structure, Tap, 12 inch	2	Ea	\$ 500.00	\$ 1,000.00
Excavation, Earth and Embankment (Grading work)	1	LS	\$ 5,000.00	\$ 5,000.00
Dr Structure, 48 inch dia	2	Ea	\$ 2,400.00	\$ 4,800.00
Dr Structure, cover, CB, Modified	2	Ea	\$ 900.00	\$ 1,800.00
Sewer, CI A, 12 inch, Tr Det B	100	Lft	\$ 60.00	\$ 6,000.00
Subbase, CIP, Min. \$5.00	250	Cyd	\$ 22.00	\$ 5,500.00
Aggregate Base, 8 Inch	700	Syd	\$ 12.00	\$ 8,400.00
HMA, 13A (3")	120	Ton	\$ 117.00	\$ 14,040.00
Hand Patching	22	Ton	\$ 250.00	\$ 5,500.00
Curb and Gutter, Conc, Det F4, Modified	500	Lft	\$ 28.00	\$ 14,000.00
Driveway Opening, Conc, Det M	500	Lft	\$ 24.00	\$ 12,000.00
Stamped and Colored Concrete	900	Sft	\$ 20.00	\$ 18,000.00
Tree Grates	8	Ea	\$ 2,000.00	\$ 16,000.00
Electrical Risers at Trees	8	Ea	\$ 500.00	\$ 4,000.00
Traffic/Parking signs and posts	1	LS	\$ 5,000.00	\$ 5,000.00
Pavt Mrkg, Waterborne, 4 inch, White	700	Ft	\$ 1.00	\$ 700.00
Pavt Mrkg, Crosswalk, 4 inch White	100	Ft	\$ 1.00	\$ 100.00
Misc Removals and Cover Adjusts	1	LS	\$ 5,000.00	\$ 5,000.00
Trash Receptacles	3	Ea	\$ 1,500.00	\$ 4,500.00
Benches on concrete pads	3	Ea	\$ 3,000.00	\$ 9,000.00
Bike Racks	2	Ea	\$ 1,300.00	\$ 2,600.00
Ped Lights Furnished and Installed	4	Ea	\$ 7,000.00	\$ 28,000.00
Street Lights Furnished and Installed	2	Ea	\$ 16,000.00	\$ 32,000.00
Hanging Planter Baskets	6	Ea	\$ 400.00	\$ 2,400.00
Banner Brackets	6	Ea	\$ 400.00	\$ 2,400.00
Replace existing wiring for light poles	1	LS	\$ 5,000.00	\$ 5,000.00
Irrigation	1	LS	\$ 7,500.00	\$ 7,500.00
Testing (Allowance)	1	LS	\$ 7,500.00	\$ 7,500.00
Contractor Staking (Allowance)	1	LS	\$ 7,500.00	\$ 7,500.00

Subtotal	\$245,240.00
Inflation (3%)	\$7,357.20
Contingency (10%)	\$25,259.72
Engineering (15%)	\$37,889.58
<b>Total</b>	<b>\$315,746.50</b>





0'20'40'60'  
Scale 1" = 20'

**LEGEND**

- SOIL BORING LOCATION
- SANITARY MANHOLE
- STORM MANHOLE
- TREE
- WATER SHUT OFF VALVE
- FIRE HYDRANT
- CURB STOP
- CATCH BASIN
- TRAFFIC CONTROL SIGN
- LIGHT POLE

PROPOSED ASPHALT  
PROPOSED CONCRETE  
PROPOSED GRASS

NORTH

DRAWING PATH:  
FED. ITEM NO.  
FED. PROJECT:  
JOB NO.:  
CONTROL SECTION:  
2023 PARKING LOT 3 RECONSTRUCTION

85 PARKING SPACES REMOVED  
92 NEW PARKING SPACES  
(INCLUDES 4 BARRIER FREE SPACES)  
7 SPACES ADDED

NOTE – CAN ADD AN ADDITIONAL  
11 SPACES WITH ON-STREET  
PARKING ADDITIONS ON MAIN AND  
BROADWAY AS SHOWN

CALL MISS DIG  
BEFORE DIGGING UNDERGROUND OR  
WORKING NEAR OVERHEAD WIRES,  
CALL MISS DIG AT LEAST 3 BUSINESS  
DAYS IN ADVANCE OF STARTING YOUR  
PROJECT. (800) 482-7171  
IT'S THE LAW



CITY OF MOUNT PLEASANT  
DIVISION OF PUBLIC WORKS  
1303 N. FRANKLIN ST.  
MT. PLEASANT, MICHIGAN 48858  
(989)-779-5401  
WWW.MT-PLEASANT.ORG

PLAN CONCEPT  
2023 PARKING LOT 3 RECONSTRUCTION

DESIGN BY: ST  
DRAWN BY: ST  
CHECKED BY: BB  
APPROVED BY: JZ

CONSTRUCTED  
DATE OF PLAN  
SCALE: 1"=20'  
SHEET 1 OF 1 SHEETS

REVISIONS  
DATE/INITIALS

CONTROL SECT. JOB NO. FED. PROJECT FED. ITEM NO.

PLOT DATE: SDATE



# Overview

**Project Name**  
Aerial Fire Apparatus

**Total Requested**  
\$100,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
High

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[dlobsinger@mt-pleasant.org](mailto:dlobsinger@mt-pleasant.org)

**Applicant Email**  
Doug Lobsinger

**Organization**  
Mt. Pleasant Fire Dept.

**Address**  
804 E. High St.  
Mount Pleasant , 48858

**Phone Number**  
9897795152

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Safety/Security

# Project Description

In 1997 The City of Mt Pleasant along with funding from the Saginaw Chippewa Indian Tribe purchased a 102 foot Aerial Fire Apparatus more commonly known as a ladder truck. Our current Aerial Apparatus is 26 years old and in need of replacement. The Aerial apparatus allows firefighters to reach tall buildings, such as high-rise buildings, large commercial buildings, multi-story buildings in our downtown area and on CMU campus and on Tribal properties when requested. They can provide a high vantage point for supplying water to elevated master streams, utilized for ventilation, providing an access route for firefighters and an escape route for firefighters and people they have rescued.

## Benefit Description

Currently the Mt. Pleasant Fire Department is available to assist the Tribal community in any fire or rescue situation. The purchase of this new Aerial Apparatus would enable us to maintain a level of response for fire suppression and enhance our ability to provide mutual aid to the Tribal community assisting in protecting its infrastructure such as the Soaring Eagle Casino, Hotel and Water Park while increasing our capabilities. Also, our department has mutual aid agreements with all other department within the county, as well as Clare and Alma. The purchase of this Aerial Apparatus would enable us to maintain that level of service to the citizens of Mt. Pleasant and Union Township, as well as providing mutual aid to the other communities in the surrounding area.

## Funding Requirements

The maintenance and operation of this Aerial Apparatus would be maintained by Mt. Pleasant Fire Department.

## Project Timeline

Not Entered

## Budget Items

Name	Cost	Quantity	Total	Category
Aerial Fire Apparatus	\$100,000.00	1	\$100,000.00	Safety/Security
AmountRequested	\$100,000.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$100,000.00

### Amount Matched

\$0.00

### Total Amount

\$100,000.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**

Axon Vehicle and Body Camera System

**Total Requested**

\$130,005.00

(amount based on the Itemized Budget total)

**Applicant Project Priority**

Critical

**Reoccurring Need?**

This Request is Reoccurring

# Applicant Information

**Applicant Name**

[plauria@mt-pleasant.org](mailto:plauria@mt-pleasant.org)

**Applicant Email**

Paul Lauria

**Organization**

Mt. Pleasant Police and Fire Department

**Address**

804 E. High St

Mount Pleasant , 48858

**Phone Number**

9893304378

# Organization Information

**Primary Organization**

City of Mt. Pleasant

**Authorizers**

[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**

Review

**Address**

320 W. Broadway

Mount Pleasant, Michigan 48858

**Phone**

(989) 779-5300

**Fax**

# Categories

- Safety/Security

# Project Description

This project is for the replacement of 9 patrol vehicle camera systems. Our current vehicle camera system, L3 Mobile Vision was installed in 2014 and is past its service life. Many of the components are broken and are no longer available. In addition, this system cannot be upgraded to include body worn cameras that are used by police officers. Having a totally integrated vehicle and body worn camera system is the most effective and seamless way to implement a comprehensive system. For this reason, Axon Inc was chosen as the system to meets this need. This project will be broken up into 2 phases. The first phase of this project is to implement patrol vehicle cameras. Axon Inc is a leading manufacturer of a comprehensive vehicle and body worn camera system. The Axon vehicle cameras come with the latest technology of LPR (license plate readers), body microphone for audio recordings and tamperproof automatic downloading of video evidence. The recorded events are stored in the "cloud" and access is only given to authorized personnel. This video evidence in then used in court proceedings and other matters such as citizens' complaints to verify what did or did not occur.

The second phase includes integration of 30 body worn cameras. However, considerable examination has to be completed before this is done. Currently, we process approximately 700 Freedom of Information Requests per year. With the addition of 30 body worn cameras the number of requests is going to increase significantly. It becomes too much for the current coordinator to handle and may require the addition of a full-time employee. This position, if needed will have to be funded by the City at significant annual expense of wages and benefits. Doing this in 2 phases provides the time to do a thorough assessment of what is needed.

## Benefit Description

The benefits of this project are vast. Having up-to-date high quality video equipment provides the community with the transparency it demands. Video evidence is the first aspect that is requested when a police officers' actions are being questioned. This video evidence provides an unbiased look at what took place during a specific incident. It eliminates the bias of the facts given by the officer and the other party involved. It allows the viewer to make their own assessment of the events that took place. The video of an incident can then be used by the police department for training officers, officer accountability, policy development and changes, civil and criminal court proceedings, as well as to build confidence and credibility with the entire community.

## Funding Requirements

Maintenance of the vehicle cameras will be covered within the annual police department's budget.

## Description of Reoccurring Need

Phase 1 of this project is the implementation of the 9 vehicle camera systems into patrol vehicles.

Phase 2 will be the integration of 30 body worn cameras into the new system. A one-time reoccurring Two-Percent Request will be completed at that time. The major consideration for doing this in two phases is to examine the impact of requests for videos to determine if an additional person is needed solely to process those requests. If necessary, this position would have to be funded by the city budget and could cost as much as \$75,000 per year.

## Project Timeline

The first phase of implementing vehicle cameras will be started as soon as funding is secured.

## Budget Items

Name	Cost	Quantity	Total	Category
Axon Patrol Vehicle Cameras	\$14,445.00	9	\$130,005.00	Safety/Security
AmountRequested	\$130,005.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$130,005.00

### Amount Matched

\$0.00

### Total Amount

\$130,005.00

# Uploaded Files

Name
<a href="#">MPPDQuote 2023-03-07.pdf</a>
<a href="#">AxonFleet3ProductCard 2023-03-07.PDF</a>

There are no comments to display.



Axon Enterprise, Inc.  
17800 N 85th St.  
Scottsdale, Arizona 85255  
United States  
VAT: 86-0741227  
Domestic: (800) 978-2737  
International: +1.800.978.2737

Q-426041-44831.813KU

Issued: 01/27/2023



Quote Expiration: 07/01/2023

EST Contract Start Date: 07/01/2023

Account Number: 323132

Payment Terms: N30

Delivery Method:

SHIP TO	BILL TO
Business;Delivery;Invoice-804 E High St 804 E High St Mount Pleasant, MI 48858-3595 USA	Mount Pleasant Police Dept. - MI 804 E High St Mount Pleasant, MI 48858-3595 USA Email:

SALES REPRESENTATIVE	PRIMARY CONTACT
Keith Utter Phone: Email: kutter@axon.com Fax:	Paul Lauria Phone: (989) 779-5108 Email: plauria@mt-pleasant.org Fax: (989) 773-4020

Program Length	
TOTAL COST	\$130,000
ESTIMATED TOTAL W/ TAX	Exempt

PLAN NAME	INVOICE DATE	AMOUNT DUE
Mt. Pleasant Police Department	As Fulfilled	\$130,000.00

BILLED ON FULFILLMENT		
PLAN NAME	INVOICE DATE	AMOUNT DUE
None	As Fulfilled	\$130,000.00



## Quote Details

Summary		
Item	Description	QTY
Core+	2022 Core+	30
Fleet3A	Fleet 3 Advanced	9

Fleet 3 Advanced    Quantity: 9    Start: 7/1/2023    End: 11/30/2027    Total: \$130,000 USD			
Category	Item	Description	QTY
Bundle Scaler	999999	BUNDLE SCALER	1
Storage	80410	FLEET, UNLIMITED STORAGE, 1 CAMERA	18
E.com License	80400	FLEET, VEHICLE LICENSE	9
ALPR License	80401	FLEET 3, ALPR LICENSE, 1 CAMERA	9
Respond License	80402	RESPOND DEVICE LICENSE - FLEET 3	9
Camera Kit & Warranty	72036	FLEET 3 STANDARD 2 CAMERA KIT	9
Vehicle Installation	73391	FLEET 3 NEW INSTALLATION (PER VEHICLE)	9
Camera Refresh	72040	FLEET REFRESH, 2 CAMERA KIT	9
Axon Signal Unit	70112	AXON SIGNAL UNIT	9
Other	80495	EXT WARRANTY, FLEET 3, 2 CAMERA KIT	9
Other	80379	EXT WARRANTY, AXON SIGNAL UNIT	9

# Standard Terms and Conditions

## Axon Enterprise Inc. Sales Terms and Conditions

### Axon Master Services and Purchasing Agreement:

This Quote is limited to and conditional upon your acceptance of the provisions set forth herein and Axon's Master Services and Purchasing Agreement (posted at [www.axon.com/legal/sales-terms-and-conditions](http://www.axon.com/legal/sales-terms-and-conditions)), as well as the attached Statement of Work (SOW) for Axon Fleet and/or Axon Interview Room purchase, if applicable. In the event you and Axon have entered into a prior agreement to govern all future purchases, that agreement shall govern to the extent it includes the products and services being purchased and does not conflict with the Axon Customer Experience Improvement Program Appendix as described below.

### ACEIP:

The Axon Customer Experience Improvement Program Appendix, which includes the sharing of de-identified segments of Agency Content with Axon to develop new products and improve your product experience (posted at [www.axon.com/legal/sales-terms-and-conditions](http://www.axon.com/legal/sales-terms-and-conditions)), is incorporated herein by reference. By signing below, you agree to the terms of the Axon Customer Experience Improvement Program.

### Acceptance of Terms:

Any purchase order issued in response to this Quote is subject solely to the above referenced terms and conditions. By signing below, you represent that you are lawfully able to enter into contracts. If you are signing on behalf of an entity (including but not limited to the company, municipality, or government agency for whom you work), you represent to Axon that you have legal authority to bind that entity. If you do not have this authority, please do not sign this Quote.

---

Signature

---

Date Signed

7/01/2023

## FLEET STATEMENT OF WORK BETWEEN AXON ENTERPRISE AND AGENCY

### Introduction

This Statement of Work ("SOW") has been made and entered into by and between Axon Enterprise, Inc. ("AXON"), and Mount Pleasant Police Dept. - MI the ("AGENCY") for the purchase of the Axon Fleet in-car video solution ("FLEET") and its supporting information, services and training. (AXON Technical Project Manager/The AXON installer)

### Purpose and Intent

AGENCY states, and AXON understands and agrees, that Agency's purpose and intent for entering into this SOW is for the AGENCY to obtain from AXON deliverables, which used solely in conjunction with AGENCY's existing systems and equipment, which AGENCY specifically agrees to purchase or provide pursuant to the terms of this SOW.

This SOW contains the entire agreement between the parties. There are no promises, agreements, conditions, inducements, warranties or understandings, written or oral, expressed or implied, between the parties, other than as set forth or referenced in the SOW.

### Acceptance

Upon completion of the services outlined in this SOW, AGENCY will be provided a professional services acceptance form ("Acceptance Form"). AGENCY will sign the Acceptance Form acknowledging that services have been completed in substantial conformance with this SOW and the Agreement. If AGENCY reasonably believes AXON did not complete the professional services in conformance with this SOW, AGENCY must notify AXON in writing of the specific reasons within seven (7) calendar days from delivery of the Acceptance Form. AXON will remedy the issues to conform with this SOW and re-present the Acceptance Form for signature. If AXON does not receive the signed Acceptance Form or written notification of the reasons for rejection within 7 calendar days of the delivery of the Acceptance Form, AGENCY will be deemed to have accepted the services in accordance to this SOW.

### Force Majeure

Neither party hereto shall be liable for delays or failure to perform with respect to this SOW due to causes beyond the party's reasonable control and not avoidable by diligence.

#### Schedule Change

Each party shall notify the other as soon as possible regarding any changes to agreed upon dates and times of Axon Fleet in-car Solution installation-to be performed pursuant of this Statement of Work.

#### Axon Fleet Deliverables

Typically, within (30) days of receiving this fully executed SOW, an AXON Technical Project Manager will deliver to AGENCY's primary point of contact via electronic media, controlled documentation, guides, instructions and videos followed by available dates for the initial project review and customer readiness validation. Unless otherwise agreed upon by AXON, AGENCY may print and reproduce said documents for use by its employees only.

#### Security Clearance and Access

Upon AGENCY's request, AXON will provide the AGENCY a list of AXON employees, agents, installers or representatives which require access to the AGENCY's facilities in order to perform Work pursuant of this Statement of Work. AXON will ensure that each employee, agent or representative has been informed or and consented to a criminal background investigation by AGENCY for the purposes of being allowed access to AGENCY's facilities. AGENCY is responsible for providing AXON with all required instructions and documentation accompanying the security background check's requirements.

#### Training

AXON will provide training applicable to Axon Evidence, Cradlepoint NetCloud Manager and Axon Fleet application in a train-the-trainer style method unless otherwise agreed upon between the AGENCY and AXON.

#### Local Computer

AGENCY is responsible for providing a mobile data computer (MDC) with the same software, hardware, and configuration that AGENCY personnel will use with the AXON system being installed. AGENCY is responsible for making certain that any and all security settings (port openings, firewall settings, antivirus software, virtual private network, routing, etc.) are made prior to the installation, configuration and testing of the aforementioned deliverables.

#### Network

AGENCY is responsible for making certain that any and all network(s) route traffic to appropriate endpoints and AXON is not liable for network breach, data interception, or loss of data due to misconfigured firewall settings or virus infection, except to the extent that such virus or infection is caused, in whole or in part, by defects in the deliverables.

#### Cradlepoint Router

When applicable, AGENCY must provide AXON Installers with temporary administrative access to Cradlepoint's [NetCloud Manager](#) to the extent necessary to perform Work pursuant of this Statement of Work.

#### [Evidence.com](#)

AGENCY must provide AXON Installers with temporary administrative access to Axon Evidence.com to the extent necessary to perform Work pursuant of this SOW.

#### Wireless Upload System

If purchased by the AGENCY, on such dates and times mutually agreed upon by the parties, AXON will install and configure into AGENCY's existing network a wireless network infrastructure as identified in the AGENCY's binding quote based on conditions of the sale.

#### VEHICLE INSTALLATION

#### Preparedness

On such dates and times mutually agreed upon by the parties, the AGENCY will deliver all vehicles to an AXON Installer less weapons and items of evidence. Vehicle(s) will be deemed 'out of service' to the extent necessary to perform Work pursuant of this SOW.

#### Existing Mobile Video Camera System Removal

On such dates and times mutually agreed upon by the parties, the AGENCY will deliver all vehicles to an AXON Installer which will remove from said vehicles all components of the existing mobile video camera system unless otherwise agreed upon by the AGENCY.

Major components will be salvaged by the AXON Installer for auction by the AGENCY. Wires and cables are ~~not~~ considered expendable and will not be salvaged. Salvaged components will be placed in a designated area by the AGENCY within close proximity of the vehicle in an accessible work space.

Prior to removing the existing mobile video camera systems, it is both the responsibility of the AGENCY and the AXON Installer to test the vehicle's systems' operation to identify and operate, documenting any existing component or system failures and in detail, identify which components of the existing mobile video camera system will be removed by the AXON Installer.

#### In-Car Hardware/Software Delivery and Installation

On such dates and times mutually agreed upon by the parties, the AGENCY will deliver all vehicles to an AXON Installer, who will install and configure in each vehicle in accordance with the specifications detailed in the system's installation manual and its relevant addendum(s). Applicable in-car hardware will be installed and configured as defined and validated by the AGENCY during the pre-deployment discovery process.

If a specified vehicle is unavailable on the date and time agreed upon by the parties, AGENCY will provide a similar vehicle for the installation process. Delays due to a vehicle, or substitute vehicle, not being available at agreed upon dates and times may result in additional fees to the AGENCY. If the AXON Installer determines that a vehicle is not properly prepared for installation ("Not Fleet Ready"), such as a battery not being properly charged or properly up-fit for in-service, field operations, the issue shall be reported immediately to the AGENCY for resolution and a date and time for the future installation shall be agreed upon by the parties.

Upon completion of installation and configuration, AXON will systematically test all installed and configured in-car hardware and software to ensure that ALL functions of the hardware and software are fully operational and that any deficiencies are corrected unless otherwise agreed upon by the AGENCY, installation, configuration, test and the correct of any deficiencies will be completed in each vehicle accepted for installation.

Prior to installing the Axon Fleet camera systems, it is both the responsibility of the AGENCY and the AXON Installer to test the vehicle's existing systems' operation to identify, document any existing component or vehicle systems' failures. Prior to any vehicle up-fitting the AXON Installer will introduce the system's components, basic functions, integrations and systems overview along with reference to AXON approved, AGENCY manuals, guides, portals and videos. It is both the responsibility of the AGENCY and the AXON Installer to agree on placement of each components, the antenna(s), integration recording trigger sources and customer preferred power, ground and ignition sources prior to permanent or temporary installation of an Axon Fleet camera solution in each vehicle type. Agreed placement will be documented by the AXON Installer.

AXON welcomes up to 5 persons per system operation training session per day, and unless otherwise agreed upon by the AGENCY, the first vehicle will be used for an installation training demonstration. The second vehicle will be used for an assisted installation training demonstration. The installation training session is customary to any AXON Fleet installation service regardless of who performs the continued Axon Fleet system installations.

The customary training session does not 'certify' a non-AXON Installer, customer-employed Installer or customer 3rd party Installer, since the AXON Fleet products does not offer an Installer certification program. Any work performed by non-AXON Installer, customer-employed Installer or customer 3rd party Installer is not warrantied by AXON, and AXON is not liable for any damage to the vehicle and its existing systems and AXON Fleet hardware.

# **/ FLEET 3**



## **DRIVE THE FUTURE WITH INNOVATIVE, INTEGRATED IN-CAR VIDEO**

**ALPR in every vehicle | Situational awareness with livestreaming | Dual-View Camera**

Instead of two independent vehicle camera systems for siloed ALPR and evidence capture, why not centralize powerful capabilities into one in-car video system? Meet Fleet 3. Yes, it records the best-quality evidence from its Dual-View Camera. It also gives every vehicle ALPR capabilities, which means 8X more coverage for the same spend as traditional systems. Plus, real-time situational awareness features including alerts, live maps and video/audio streaming help leaders and dispatchers maintain visibility into what officers are facing in the field. It's a 3-in-1 that will change how you think about in-car solutions, all part of the Axon network.

### **FEATURES & BENEFITS**

#### **/ DUAL-VIEW CAMERA**

Panoramic video camera captures clear video evidence, and 4k ALPR camera with edge AI processing covers 3 lanes of traffic

#### **/ INTERIOR CAMERA**

Capture from below occupant's knee to above their head, with color in well-lit conditions and infrared illumination for night view

#### **/ ALPR HOTLIST ALERTS**

Configurable MDC alerts help officers get notified about important plates without losing focus

#### **/ LIVESTREAMING AND LOCATION UPDATES**

Axon Respond for devices enables leaders to receive alerts, and view vehicle location and livestreams in real-time

#### **/ FLEET HUB**

Includes secure solid-state storage, wireless communications, and garage- and tunnel-friendly location system. Footage is uploaded even without the MDC over LTE or Wi-Fi

#### **/ FLEET DASHBOARD APP**

One simple interface for ALPR alerts, camera control, preview and tagging of evidence, and zoom



## FEATURES & BENEFITS CONTINUED

### / WIRELESS ACTIVATION

Compatible with Axon Signal, which activates cameras based on certain events including light bar activation, speed threshold, and other configurable triggers

### / WIRELESS MIC

Capture clear audio up to 1,000 feet away from the vehicle with one or two Wireless Mics per vehicle

### / BWC PAIRING & UPLOAD

Pairs wirelessly with any Axon body camera, and router connection can upload footage wirelessly

### / VIDEO RECALL

Retains last 24 hours of video for each camera so critical footage can be retrieved remotely and no evidence is missed

### / MULTI-CAM PLAYBACK

Watch up to four in-car or BWC videos recorded at a scene using Axon Evidence, with videos automatically associated based on device proximity

## SPECIFICATIONS

**DUAL-VIEW CAMERA:** Up to 1080p resolution, 160° field-of-view (FOV) for evidence, 16:9 or 5:2 panoramic aspect ratio, 12x digital zoom, 360° swivel mount

**INTERIOR CAMERA:** Up to 1080p resolution, 160° FOV, 4:3 aspect ratio (occupant knee to head), color in light conditions, IR illumination in low-light

**HUB:** 240GB video storage, 5 PoE ports for devices, 10 inputs for 12V triggers, Wi-Fi, BLE, GNSS

**ALPR COVERAGE:** Up to three traffic lanes with one camera using 4k resolution

**VIDEO RECALL:** 24 hours per camera

## THE NEW IN-CAR EXPERIENCE

Officer J is on patrol, with ALPR active from the Dual-View Camera. He gets a stolen vehicle alert, and quickly confirms it via the Fleet Dashboard app. He flips on the lightbar, which starts the recording from the Dual-View Camera and his BWC.

The suspect begins speeding away, and Officer J does too. His supervisor receives an alert in Axon Respond and pulls up the livestream, with views from the front camera and BWC. The suspect parks and flees, but Officer J tracks him down and makes the arrest, with the supervisor having awareness the entire time. The Interior Camera begins recording once the rear door is opened. Later, Officer J reviews the video, and the footage is automatically uploaded to Axon Evidence from the Fleet 3 Hub. In Axon Evidence, authorized users view a synced playback of all video, including a tagged moment when the suspect tossed a baggie of drugs on the side of the road. Charges filed, case closed.

**SECURITY:** Firmware updates and all evidence encrypted on Hub

**FLEET DASHBOARD APP:** Windows 10 or Windows 7 required; Android and iOS forthcoming

**CAMERA AND HUB OPERATING TEMPERATURE:** -40°C to +85°C

**WIRELESS MIC OPERATING TEMPERATURE:** -40°C to +70°C

**HUB INGRESS RATING:** IP52 when mounted in console

**CAMERA INGRESS RATING:** IP54

**WIRELESS MIC INGRESS RATING:** IP67



# Overview

**Project Name**  
iRecord Interview Room System

**Total Requested**  
\$35,426.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Critical

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[plauria@mt-pleasant.org](mailto:plauria@mt-pleasant.org)

**Applicant Email**  
Paul Lauria

**Organization**  
Mt. Pleasant Police and Fire Department

**Address**  
804 E. High St  
Mount Pleasant , 48858

**Phone Number**  
9893304378

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Safety/Security

# Project Description

This would replace the recording equipment in the Mt. Pleasant Police Department's Interview Rooms to the cloud-based version of the iRecord System.

IRecord sets the standards of quality, ease of use, and most importantly service. The newest version of the iRecord system is “cloud” based and has no additional “back-end” hardware that needs to be maintained. In progress and stored interviews will be able to be reviewed at any computer throughout our building by a person with the proper credentials. This updated system also includes high definition cameras and improved microphones.

Our current recording system was purchased in 2013 to comply with Michigan's Public Act 479. At that time, we selected the “iRecord” system. This high quality, easy to use system has worked flawlessly throughout the years. Set up similar to a desktop computer with

special software, cameras, and microphones an officer only has to flip a switch in any of the interview rooms to start a recording. Duplicating the recording for court proceedings and/or investigative purposes is easy and efficient. Over the years we have received many acknowledgments about the quality and capabilities of our system from the prosecutor’s office, court judges, and even defense attorneys.

As with any computer hardware and software time becomes its enemy. Recently we have had issues with the computer hardware. Our current system was built to run on Windows 7 Operating System. Microsoft discontinued all support on Windows 7 in January 2020. The duplicating drives on this system have also started to fail. iRecord has also issued an end-of-life notice (end of 2022) for our version of their software.

## Benefit Description

Our iRecord System has been made available to all police agencies in Isabella County since 2013 and that will not change. In addition, the Mt. Pleasant Police Department houses the office for the Mid-Michigan Investigative Narcotics Team (MINT). This team is consists of officers from the Michigan State Police, Mt. Pleasant Police, Saginaw Chippewa Tribal Police and the Central Michigan University Police Departments. Having this system available to officers and detectives to record victim, witness, and suspect interviews is invaluable. The evidentiary value of exactly what was said cannot be measured for all parties involved. During this critical time when law enforcement credibility is under scrutiny and the public's demand of transparency has never been greater, recordings are fundamental to help address these issues.

## Funding Requirements

Annual software maintenance will be funded through the annual Mt. Pleasant Police Department Budget.

## Project Timeline

This project will be implemented as soon as funding becomes available.

## Budget Items

Name	Cost	Quantity	Total	Category
iRecord Software and Camera	\$35,426.00	1	\$35,426.00	Safety/Security
AmountRequested	\$35,426.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$35,426.00

### Amount Matched

\$0.00

### Total Amount

\$35,426.00

# Uploaded Files

Name
<a href="#">WSliRecordQuoteMtPleasantPDUpgrade5yearssupport_2023-03-06_1.pdf</a>

There are no comments to display.





**WORD SYSTEMS, LLC**  
LEADERS IN VOICE, VIDEO & DATA CAPTURE SOLUTIONS

**iRecord**

**iRecord Digital Video/Audio Recording System for Interviews**

**Quote Date: 1/18/2023**

Prepared For: Mt. Pleasant Police Department

Prepared By: Jim Hansen

QTY	DESCRIPTION	PART #	UNIT PRICE	EXTENDED
<b>iRecord Universe IP Recording System - Configured IR-Universe Systems</b>				
	iRecord Universe Software includes: Redaction, Multi-Department security, Chain of Evidence Audit Report, Export to DVD+USB, Remote Control On/Off, Universe Desktop, Local Evidence Vault, 10x iRecord Thick Client Licenses, Remote Live Viewing, RTSP Live Monitoring (Additional hardware required), File import, Picture-in-picture One Year Hardware and Software Warranty			
1	iRecord Universe IP Turnkey Recording System (3 Room)	IR-Universe (3)	\$15,945	\$15,945.00
<b>iRecord Dry Contact Switches (On/Off Switches)</b>				
3	Single Gang Switch Plate w/ Push-Button - Stainless Steel	SM-SGSPL7-SS	\$95.00	\$285.00
1	Optical Breakout Card - Dry Contact <i>One breakout box supports four switches</i>	SM-WBC1	\$295.00	\$295.00
1	Relay Output with Digital Input Ethernet Module <i>One relay supports four switches</i>	ADAM6060	\$395.00	\$395.00
<b>System Accessories</b>				
6	Axis F41 Main Unit (Requires AX-F8001)	AX-F41	\$645.00	\$3,870.00
1	<b>Axis F1015 Verifocal Sensor Unit for F41 (3-6mm, 12m Cable)</b>	AX-F1015	\$445.00	\$445.00
1	Recessed In-Wall Cameras Mounts for Axis F1015 (White. Clear) <i>One required with every AX-F1015</i>	FL-1GM-KIT-W-CLR	\$125.00	\$125.00
5	<b>Axis F1025 Pinhole Sensor Unit for F41 (3.7mm, 12m cable)</b>	AX-F1025	\$405.00	\$2,025.00
3	PIR Enclosure (For Axis F1025)	AX-F1025-PIRENCL	\$35.00	\$105.00
2	Thermostat Enclosure (For Axis F1025)	AX-F1025-THENCL	\$35.00	\$70.00
3	AKG Professional Weather Resistant Wall-Mount Boundary Mic	CN-PZM11LLWR	\$285.00	\$855.00
1	Keyboard and Mouse - Wireless Bluetooth	KBDMOU-BT	\$139.00	\$139.00
1	Uninterruptible Power Supply 1000VA - For Single Workstation	UPS1000	\$235.00	\$235.00
1	Viewsonic 22" LCD Monitor	MON22	\$235.00	\$235.00
1	Computer Speakers	COMPSPKRS	\$45.00	\$45.00
1	10 Port Managed Network Switch 62w - 8x PoE + 2x Combo Gigabit SFP (8 devices max / 6 cameras max)	CI-SG350-10P	\$649.00	\$649.00
			<b>SUB-TOTAL</b>	\$25,718.00
<b>Discounts</b>				
3	iRecord Vi Professional to Universe Upgrade Discount - Per Room <i>Upgrade discount expires 12/31/2022</i>	DISCOUNT	-\$1,500.00	(\$4,500.00)
<b>Installation and Training Services</b>				
1	On Site Installation, Includes DSG and Training	Inst-On-Sie	\$4,950.00	\$4,950.00
<b>Digital Share/Collaboration</b>				
1	iRecord Digital Share	IR-CL01-0025 Express		\$0.00
1	Evertel 5 User	EVR		\$0.00
<b>Service Agreements</b>				
<b>REMOTE COVERAGE</b>				
1	FOUR YEAR Pre-Paid Extended Warranty Option- Total of FIVE Years Coverage	TSAR	\$9,258.00	\$9,258.00
			<b>SYSTEM TOTAL</b>	<b>\$35,426.00</b>
<b>Terms and Conditions</b>				

QTY	DESCRIPTION	PART #	UNIT PRICE	EXTENDED
A	<p>ADDITIONAL AGREEMENTS: Please see the separate documents <a href="#">iRecord Scope of Work</a> (to be reviewed at pre-installation meeting), <a href="#">Warranty Agreement</a>, and <a href="#">Technical Services Agreement</a> if applicable.</p> <p>TAXES: This quote does not include State and Local taxes. Customer to provide tax exempt certificate or taxes will be added to the invoice.</p> <p>IR-CLOUD SUBSCRIPTION PAYMENT TERMS: Subject to anything in the Services Agreement to the contrary, Customer shall pay to Word Systems all amounts due hereunder in U.S. Dollars, and in full within thirty (30) days following Customer's receipt of Word Systems' invoice for cloud services. With respect to any amount due to Word Systems, which is not paid within thirty (30) days following the date of Customer's receipt of Customer's invoice, Word Systems may, in addition to any other rights it may have hereunder, apply interest at the rate of one and one-half percent (1½%) per month, or such lesser amount required by law, assessed from the due date through the date of payment. In addition to the rights Word Systems has under this Agreement, if any amounts, which are not the subject of a good faith dispute, remain unpaid for ten (10) days after the invoice date due, Word Systems may, at its option, suspend access to, and cease providing the SaaS Solution until such time as Customer's account is made current.</p> <p>USAGE: Word Systems monitors Customer's usage of the licensed SaaS Solution on a quarterly basis. If Customer's usage of the licensed SaaS Solution during any quarter exceeds such SaaS Solution's product usage limit, Word Systems reserves the right to (a) automatically upgrade Customer's licensed SaaS Solution product for the next renewal Subscription Term in accordance with Customer's actual usage, (b) invoice Customer on a quarterly basis for the excess usage, which shall be the difference between the prorated fees for the SaaS Solution product matching Customer's usage for the quarter and the prorated fees for the licensed SaaS Solution product and/or (c) suspend access to, or cease providing the SaaS Solution until such time as Customer's licensed SaaS Solution product is adjusted for Customer's actual usage.</p>			
B	<p><u>EQUIPMENT/HARDWARE TERMS AND CONDITIONS</u> - Notwithstanding anything herein to the contrary, the following terms and conditions shall apply to all purchases of [Hardware].</p> <p>DELIVERY: Please allow estimated 60-90 days from date of written purchase order (or date of first payment when applicable) for delivery.</p> <p>RETURNS: Custom equipment orders may not be returned. Stock merchandise and accessories may be returned if in the original packaging provided a restocking fee of not less than twenty-five percent (25%) or such greater restocking fee as determined by Word Systems' supplier is paid by customer.</p> <p>PAYMENT: Payment terms; 50% with order, 50% upon system installation. Special Payment Term requests need to submitted in writing.</p>			
C	<p>LIMITATION OF LIABILITY: IN NO EVENT SHALL EITHER PARTY BE LIABLE TO ANYONE FOR ANY INDIRECT, PUNITIVE, SPECIAL, EXEMPLARY, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING LOSS OF DATA, REVENUE, PROFITS, USE OR OTHER ECONOMIC ADVANTAGE) ARISING OUT OF, OR IN ANY WAY CONNECTED WITH THE SERVICES AGREEMENT, INCLUDING BUT NOT LIMITED TO THE USE OR INABILITY TO USE THE SAAS SOLUTION, OR FOR ANY CONTENT OBTAINED FROM OR THROUGH THE SAAS SOLUTION, ANY INTERRUPTION, INACCURACY, ERROR OR OMISSION, REGARDLESS OF CAUSE IN THE CONTENT, EVEN IF THE PARTY FROM WHICH DAMAGES ARE BEING SOUGHT HAS BEEN PREVIOUSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL WORD SYSTEMS' AGGREGATE LIABILITY ARISING FROM OR RELATING TO THE SERVICES AGREEMENT EXCEED THE AMOUNTS ACTUALLY PAID BY AND/OR DUE FROM CUSTOMER IN THE TWELVE (12) MONTH PERIOD IMMEDIATELY PRECEDING THE EVENT GIVING RISE TO SUCH LIABILITY.</p>			
D	<p>The Services Agreement, together with this price list and all of its attachments, license terms and conditions from the software manufacturer which are hereby incorporated by reference, constitutes the entire agreement with respect to its subject matter. No inconsistent or additional terms submitted by Customer in any purchase order or similar document will be binding on Word Systems.</p> <p>QUOTATION IS VALID FOR 90 DAYS.</p> <p>Please mail purchase orders to Word Systems, 9045 River Road, Suite 125, Indianapolis, IN 46240, FAX-to 317-544-2192 or email to your salesperson.</p>			

# Overview

**Project Name**  
Mid-Michigan Investigative Narcotics Team

**Total Requested**  
\$62,400.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Critical

**Reoccurring Need?**  
This Request is Reoccurring

# Applicant Information

**Applicant Name**  
[frayrec@michigan.gov](mailto:frayrec@michigan.gov)

**Applicant Email**  
D/Lt. Chris Frayre

**Organization**  
Mid-Michigan Investigative Narcotics Team

**Address**  
804 High Street  
Mt. Pleasant , 48858

**Phone Number**  
989-779-9697

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Baynet

# Project Description

MINT is a continuing project which emphasizes the cooperation with its state, local and federal partners. MINT is a multi-jurisdictional narcotics task force servicing Clare & Isabella Counties. The priority is to identify, disrupt, and dismantle criminal and drug groups in our communities. The goal of MINT is to focus on heroin abuse, over prescribing opiates, and crystal methamphetamine.

The Mid-Michigan Investigative Narcotics Team (MINT) is a multijurisdictional task force (MJTF) that services Clare and Isabella Counties. MINT is managed by the Michigan State Police and has been in operation since April of 2019. The current task force partnering agencies that make up MINT are the Michigan State Police, Mt. Pleasant Police Department, Central Michigan University Police Department, Saginaw Chippewa Tribal Police Department, and Bureau of Indian Affairs, Clare, and Isabella Counties. MINT’s service area is 1200 square miles, the two counties have a combined population of approximately 95,878. The 2022 health rankings by county for the State of Michigan show that Isabella County is ranked 48 and Clare County is ranked at 79 ([www.countyhealthrankings.org](http://www.countyhealthrankings.org)). Central Michigan



University and Mid-Michigan Community College are in MINT's service area, with a combined enrollment of 24,000 students a year. MINT's largest service areas are the 6.5 townships in Isabella County that make up a portion of the Federal Reservation Lands of the Saginaw Chippewa Indian Tribe and is home to the Soaring Eagle Casino, which draws in an average 517,000 patrons per year. There are 3,485 tribal members, who receive benefits and bi-weekly per cap payments based on Native American status. The steady flow of money entices drug traffickers from source cities to prey heavily on tribal members. There are several major highways that pass-through MINT's service area: US-127, US-10, M-20, M-46, M-61, M-66, and M-115, which feed the flow of drugs into MINT's area. MINT is the only drug task force covering this area and is instrumental in working with other agencies on joint law enforcement investigations, taking an active role in educating the community on current drug trends and dangers associated with narcotics traffickers.

Problem 1: Heroin abuse and opioid overdoses. The opioid epidemic is causing a significant health crisis nationwide and is a significant problem in MINT's service area resulting in increased overdoses. Drug traffickers continue to target MINT's service area. Beginning January 1, 2020, through December 2020 MINT seized 24.6 grams of heroin, and 26.9 grams of fentanyl. Since January 2021 to date, MINT has seized 44.7 grams of heroin, 151.8 grams of fentanyl, and 273.3 pills of fentanyl. Opioid seizures are up 109% for the 2022 grant cycle through 06-30-2022, compared to the 2021 grant cycle. The increase is a direct result of focusing on higher level suppliers and dismantling operations in the service area. Michigan saw an increase of overdose cases from 2,743 in 2020 to 2933 in 2021 an increase of 7%. During the 2022 grant cycle, MINT investigated and assisted local departments with multiple overdose investigations. MINT is the primary source for performing cellular telephone downloads for local agencies investigating overdoses. Clare County recorded 37 overdoses and 9 deaths in 2021. The 2020 Annual Drug Report published by Sparrow Hospital Department of Forensic Pathology servicing Isabella County, shows an increase in drug related overdoses in Isabella County increased by 33%, with 13 deaths. The victims ages ranged between 23 and 45. Seven of these were fentanyl related overdoses, three were a combination of fentanyl and other controlled substances, two were a combination of fentanyl and heroin. Preliminary data from Isabella County Central Dispatch indicates that from January 1st, 2021, to July 14, 2022, they have logged 151 overdoses with 66 uses of Narcan. MINT detectives are issued naloxone and are trained in using it. MINT conforms to an overdose response protocol set forth by the service area, by responding to the scene during active overdose investigations. In doing so, detectives gain real time information through suspect and victim interviews that points to a common drug source. During the 2021 and 2022 grant cycle MINT was able to prosecute several defendants stemming from overdose investigations. The Saginaw Chippewa Indian Tribe continues to see an increase in controlled substances on the reservation, and a large increase in opioid related overdose cases and overdose related deaths in 2021 and 2022. The Saginaw Chippewa Tribal Police has 16 sworn road officers. In 2020, they investigated 94 total drug cases, 64 of which were methamphetamine related, 18 were heroin related, 20 overdoses, and 3 resulting in deaths. In 2021, they investigated 261 total drug cases, 98 of which were methamphetamine related, 32 were heroin related, 24 resulted in overdoses, and 4 resulting in death. In 2022, they have investigated 109 total drug cases, 37 of which were methamphetamine related, 10 were heroin related, with 10 overdoses. MINT has developed a strategic relationship with Tribal Police by adding an additional detective to the MINT team in 2021 to specifically investigate and combat this increased methamphetamine and opioid related overdose problem. By providing an additional trained investigator to respond and assist in these investigations, MINT has provided valuable resources to local agencies who do not have the staffing or resources available to combat this increasing problem.

Problem 2: Rise of crystal methamphetamine. The influx of crystal methamphetamine in southwest Michigan, lower cost, and lesser penalties are believed to be contributing factors. During the 2021 grant cycle, MINT seized 800.6 grams of crystal methamphetamine. During the 2022 grant cycle, MINT has seized 1,797.9 grams of crystal methamphetamine, a 45% increase from the previous period. Local traffickers of crystal methamphetamine are traveling to Kalamazoo, Lansing, and Muskegon to purchase larger amounts for significantly less. During the 2022 grant cycle MINT initiated 158 investigations, with 66 of those cases involving crystal methamphetamine. Looking at MINT's arrest counts, purchases, and seizures over the current and past year's grant cycle, it is evident methamphetamine continues to be readily available and a threat to our communities. According to the DEA, Methamphetamine is available throughout the United States, with the highest availability in the West and Midwest regions of the country. The work done by MINT has led to significant seizures of crystal methamphetamine by bordering MJTF's with many ties to organized crime and drug trafficking organizations operating in the Lansing, Metro-Detroit, and Muskegon areas. Many of these DTO's have out of state nexus to source cities in Arizona and California. Individuals from MINT's service area continue to purchase crystal methamphetamine from source cities in Michigan.

Problem 3: Lack of Law enforcement resources and education/training. 7 law enforcement agencies operate in MINT's service area, the Isabella County Sheriff's Dept., Mt. Pleasant Police Dept., Central Michigan University Police Dept., Saginaw Chippewa Tribal Police Dept., Shepherd Police Dept., Clare County Sheriff's Dept., and the Clare City Police. The highest concentration of officers conducting patrols are in the City of Mt. Pleasant and Chippewa Township. The Michigan State Police Mt. Pleasant Post does provide coverage, but the service provided by Troopers is divided between four counties: Clare, Isabella, Mecosta, and Osceola Counties. The rural areas of Isabella and Clare County do not have sufficient road patrol coverage. Between both sheriff departments, there are 28 assigned to road patrols in the two counties and 4 detectives conducting investigations. Clare City Police Department consists of 6 officers and Shepherd Police Department has 2 officers. Agencies covering MINT's service area do not have the money, manpower, or resources to dedicate to narcotic investigations or the crimes that are a direct result of narcotic abuse and trafficking. Because most law enforcement authority, unlike criminal activity, is limited to specific jurisdictions, it is possible for large criminal enterprises to commit crimes beyond the scope of authority of a particular law enforcement agency. Addressing this problem requires cooperation among local, state, and federal law enforcement agencies; prosecutors; courts; corrections; service agencies; and the community. According to the State of Michigan multi-jurisdictional task forces (MJTFs) combine the talents and resources of a variety of organizations to eliminate jurisdictional/procedural



barriers and enhance problem-solving initiatives. MINT acts as a force multiplier for local agencies by being able to send a team of trained detectives with undercover vehicles to respond quickly to any rapidly evolving situation. MINT is able to assist the local agencies in this matter and is the only dedicated narcotics team servicing the area. During the 2022 grant cycle, MINT has assisted local agencies 40 times. This accounts for 25% of all investigations to date (158). During the grant year 2021, MINT conducted 105 investigations, with 68 felony, 18 misdemeanor and 25 fugitive arrests. During the 2022 grant cycle, MINT has already conducted 158 investigations, with 90 felony, 14 misdemeanor and 23 fugitive arrests. MINT is a relatively large rural service area with one medium sized city. Methamphetamine, Heroin, and Prescription Opiates continue to pose the greatest threat to the population of MINT's area. MINT has demonstrated an ability to address these threats through its investigations. Statistics have shown a direct connection between drugs and other crimes such as burglary, robbery, homicide, retail fraud and larceny. MINT's area shares this problem with the rest of the state. The MINT team regularly assists local agencies address these other crimes in their service area. The MINT team regularly assists local agencies by providing a highly trained and equipped group of detectives who were able to respond quickly and assist with high profile crimes such as homicide, kidnapping, human trafficking, larceny, and robbery.

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## Benefit Description

The Mid-Michigan Investigative Narcotics Team is a multi-jurisdictional narcotics task force that serves Clare and Isabella counties. The task force is comprised of local, federal, state, and tribal law enforcement agencies. MINT follows the command structure of the Michigan State Police, receiving support and leadership from commanders of the partnering agencies. MINT's partners strongly support the mission of the unit and benefit from the multi-jurisdictional approach to narcotic investigations. MINT is the only narcotics team that services both counties and is a vital tool in dismantling narcotic trafficking. The service area of MINT is unique in the fact that 6.5 townships in Isabella County fall within the exterior borders of the Federal Indian Reservation. MINT gains its enforcement ability on reservations lands through "cross- designation" from the Bureau of Indian Affairs "Special Law Enforcement Commissions Deputation Agreement". MINT is well versed in the enforcement of federal, state, and tribal laws and works with the respective prosecutor's offices to ensure individuals are appropriately prosecuted. Narcotics are coming into MINT's service area from source cities such as Flint, Grand Rapids, Kalamazoo, Lansing, Muskegon, and Saginaw. MINT works with MJTF's in those areas for further investigative support. MINT assists local law enforcement with investigations that require specific training, surveillance support, execution of high-risk search warrants, and general investigations that require plain cloths support. In past years MINT has successfully assisted in crimes such as homicide, felonious assault, robbery, and breaking and entering. MINT will focus on the following objectives for 2023. The objectives are identified in order of importance.

1. Reduce economic costs, threats to community safety and reduce deaths and serious injury caused by heroin and prescription opiates by disrupting the availability of heroin, and prescription opiates in the MINT service area.
2. Reduce economic costs, threats to community safety and reduce deaths and serious injury caused by methamphetamine abuse through preventive measures in the deterrence of abuse, sales and/or manufacturing of methamphetamine.
3. Reduce economic costs, threats to community safety by identifying and disrupting drug and other types of criminal activity through the cooperation with local law enforcement.
4. Reduce economic costs, threats to community safety by identifying and disrupting drug and other types of criminal activity through the cooperation with State and Federal law enforcement.
5. Provide training and resources to local municipalities regarding controlled substances with specific training regarding heroin and crystal methamphetamine.
6. Provide detectives and equipment to local agencies to assist with local crime issues, such as breaking and entering, homicide, larceny, arson, kidnapping, and fugitive apprehension.
7. Provide drug presentations for local schools, health workers, service workers, probation parole officers, and child protective service workers.

The Mid Michigan Investigative Narcotics Team uses the appropriate avenue of investigation in the pursuit of its' goals including but not limited to:

1. Undercover controlled buys
2. Intelligence from confidential informants
3. Silent observer tips
4. Search warrants
5. Knock and talk investigations
6. Asset seizure and forfeiture in accordance with federal, state, and tribal laws
7. Utilize social media to initiate or further investigations
8. Utilize NPLEX to identify methamphetamine targets
9. Collaboration with other state MJTF's to identify drug sources
10. Maintain strong partnerships with DHHS and other treatment/prevention organizations
11. Utilization of opioid and ephedrine drug analysts
12. Utilize and monitor Overdose Detection Mapping Application Program
13. Follow district wide overdose response protocol
14. Work with federal partners to monitor the "Dark Web" and identify drug sources

15.Utilization of a National guard drug analyst

Through these initiatives and investigative techniques, the citizens in MINT’s service area will benefit from treatment costs associated with narcotics addiction, overall medical costs to the community for first responder response, medicine being administered, the hospital costs and costs associated with support agencies such as DHHS. These investigations will have an impact on the related violent crimes in the area as well as property crimes. Many persons addicted to narcotics are committing offenses such as larcenies, breaking and entering, criminal sexual conduct, human trafficking, and fraud to obtain funds for narcotics purchases. Through these efforts, MINT will have an emotional and financial impact by working towards reducing the amount of overdose deaths.

The Mid Michigan Investigative Narcotics Team also partners with schools and community groups to educate citizens and solicit feedback on problem areas and drug trends. Examples include:

- 1. Partner with school administrators, Mt. Pleasant YSU, TEAM and MSP CST's to educate school age children on drug abuse.
- 2. Conduct educational presentations for community groups on trends such as opiate abuse and crystal methamphetamine trends.
- 3. Attend monthly Opiate Task Force meetings in both counties, as well as partner with drug free coalitions in the service area.
- 4. Provide training and resources to local municipal and township governments reference heroin and other drugs.

The MDHHS currently estimates that the population of Clare County is 31,065 and Isabella County is 64,813. This population is spread over 1200 square miles. The region is mostly rural with the City of Mt. Pleasant being the most populated. Central Michigan University, Mid-Michigan Community College, and the Soaring Eagle Casino and Resort are in MINT’s service area. Approximately 517,000 people visit the casino each year. Several major highways pass through MINT’s area, which are all used as a conveyance for drug trafficking. MINT is the only narcotics task force in the service area and serves a vital role to local law enforcement. In grant year 2023, MINT will increase its focus on drug overdoses and criminal prosecution of overdose investigations. MINT has developed a strategic relationship with Tribal Police by continuing to specifically investigate and combat the increased methamphetamine and opioid related overdose problem. MINT provides a team of trained investigators to respond and assist in these investigations, MINT will provide valuable resources to local agencies who do not have the staffing or resources available to combat this increasing problem. In fiscal year 2023 MINT is expected to be comprised of 7 partnering agencies who are committed to the mission of the team and have provided support to the unit since 2019. The MINT unit commander is a Detective Lieutenant from the Michigan State Police that is responsible for the day-to- day operations of MINT and the supervision of the unit. The MINT unit commander coordinates intelligence sharing, serves as a liaison with area law enforcement, attends monthly professional meetings, performs the administration of the BYRNE grant, manages the budgetary controls of the unit, and assists with street operations, reviewing reports, maintaining equipment, managing confidential sources, and working with the team on coordinating investigations. The MINT unit has an administrative assistant that is responsible for managing multiple bank accounts, maintaining forfeiture files, LEIN Tac and Laso, entering statistical information into tracking systems, preparing reimbursements, paying bills, drafting quarterly reports, attending meetings, and recording minutes, managing grant reporting, and managing general office concerns. The support of the administrative assistant allows MINT detectives to spend more time conducting investigations. Below is a breakdown of the current commitments to MINT.

- (1) D/Lieutenant from the Michigan State Police
- (1) D/Tpr/Specialist from the Michigan State Police
- (1) Detective from the Mt. Pleasant Police Department
- (1) Detective from the Central Michigan University Police Department
- (1) Detective from the Saginaw Chippewa Tribal Police Department
- (1) Special Agent from the Bureau of Indian Affairs
- (1) Opioid Analyst from the Michigan National Guard
- (1) Administrative Assistant

The following is a list of team activity generated for FY21/22 (10/01/2021 – 9/30/2022).

- 158 investigations opened
- 129 individuals arrested for a total of 251 arrest counts
- 57 search warrants executed (soft entry/hard entry/cell phone download/GPS Trackers/Vehicles/Phone (PING)
- 12 exigent circumstances
- 20 consent searches
- 107.9 grams of fentanyl
- 334.3 fentanyl pills seized
- 83.7 grams of heroin seized
- 1,797.9 grams of crystal methamphetamine seized

## Funding Requirements

MINT is requesting \$62,400.00 from the 2% grant to cover costs associated with conducting investigations for FY22/23. Federal guidelines dictate that BYRNE grant dollars can’t be used for investigations, such as buy money and informant fees, which are a critical component to conducting narcotic investigations.

The MINT budget for FY22/23 is \$155,285.00. In October of 2022 MINT received funding through the BYRNE Justice Assistance Grant (BYRNE JAG), in the amount of \$92,885.00. for FY22/23. BYRNE JAG grant dollars will be used for administrative support, communications, and vehicles. This leaves a shortfall of \$62,400.00.

## Description of Reoccurring Need

Reoccurring costs to operate MINT for FY22/23 include, but are not limited to:

- 7 Detectives/Analyst \$805,600.00
- Fuel and vehicle leases \$43,250.00
- Forfeiture Manager/Administrative support \$43,305.00
- Communications \$6,330.00
- Supplies \$8,000.00
- Investigations \$47,400.00
- Training \$7,000.00

The anticipated annual reoccurring cost to operate MINT is \$960,885.00. MINT is requesting the support from the Saginaw Chippewa Tribe in the amount of \$62,400.00 to cover investigative, training and supply costs. The generous gift of 2% money will assist MINT in conducting crucial investigations in the service area.

## Project Timeline

MINT will begin using grant dollars immediately with the intent to have the full distribution used in FY23.

## Budget Items

Name	Cost	Quantity	Total	Category
Supplies	\$8,000.00	1	\$8,000.00	Baynet
Investigative Funds	\$47,400.00	1	\$47,400.00	Baynet
Training	\$1,000.00	7	\$7,000.00	Baynet
AmountRequested	\$62,400.00			

## Matching Funds

Name	Cost	Quantity	Total
7 Detectives/Analyst	\$805,600.00	1	\$805,600.00
Fuel and Vehicle Leases	\$43,250.00	1	\$43,250.00
Forfeiture Manager/Administrative Support	\$43,305.00	1	\$43,305.00
Communication	\$6,330.00	1	\$6,330.00
AmountMatched	\$898,485.00		

## Budget Summary

### Amount Requested

\$62,400.00

### Amount Matched

\$898,485.00

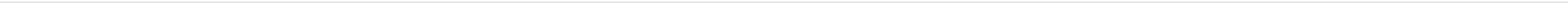
### Total Amount

\$960,885.00

# Uploaded Files

Name
No files have been uploaded.

There are no comments to display.



# Overview

**Project Name**  
Youth Services Police Officer Tahoe

**Total Requested**  
\$58,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Critical

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[plauria@mt-pleasant.org](mailto:plauria@mt-pleasant.org)

**Applicant Email**  
Paul Lauria

**Organization**  
Mt. Pleasant Police and Fire Department

**Address**  
804 E. High St  
Mount Pleasant , 48858

**Phone Number**  
9893304378

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Project Partners

**Partnered With**  
Mt. Pleasant Public Schools

**Authorizers**  
[jverleger@mtpleasant.edzone.net](mailto:jverleger@mtpleasant.edzone.net)

**Status**  
Review

**Address**  
720 N Kinney Ave  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 775-2300

**Fax**

## Categories

- Education
- Safety/Security

## Project Description

The purchase of a 2023 Chevrolet Tahoe to provide the additional Youth Services Officer with an emergency response vehicle. This vehicle would be fitted with emergency response equipment to include lights, sirens and mobile radio. This up-fit would allow for emergency response when required. Additionally the vehicle will be used to transport juveniles during investigations, emergency needs and during the Youth Police Academy. The larger size of the SUV would provide extra occupancy and storage equipment.

## Benefit Description

The benefits of providing an emergency vehicle to the school resource officer would be expedited response to schools in emergency situations, securing equipment and transport of juveniles. Mt. Pleasant High School has an enrollment of more than 1400 students with nearly 150 being Native American. Safety of every student is paramount in today's world. The vehicle would also be used to shuttle Youth Police Academy cadets during the academy, the academy is open to all 7th and 8th grade children living in Isabella County, free of cost. Further this vehicle may be used in the transport of students during the school day that do not have the means of getting to their destination. Finally, the SUV would be used to secure equipment needed for various incidents and investigations.

## Funding Requirements

None

## Project Timeline

Would order and purchase the vehicle immediately if fortunate enough to receive 2% funding.

## Budget Items

Name	Cost	Quantity	Total	Category
Police Tahoe	\$58,000.00	1	\$58,000.00	Safety/Security
AmountRequested	\$58,000.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$58,000.00

### Amount Matched

\$0.00

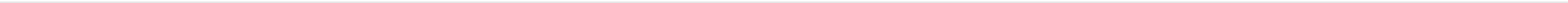
### Total Amount

\$58,000.00

# Uploaded Files

Name
No files have been uploaded.

There are no comments to display.





# Overview

**Project Name**  
1303 N Franklin Former Landfill Remediation

**Total Requested**  
\$50,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Low

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Environmental

# Project Description

This request is for funding to continue work at 1303 N Franklin Street (a City-owned property). We would continue work according to the advisement of our environmental consultant and the Michigan Department of Environment Great Lakes and Energy (EGLE). We are expecting to be able to begin remediation activities once the site assessment has been completed. This will be the remediation project.

Community landfills were common throughout the state and country for several decades for the disposal of local trash. This former landfill was operated until 1975 for placement of general refuse from residents and business owners throughout the community. In the early 1980s, the landfill was closed and capped with clean fill material, as appropriate with the regulatory requirements applicable at the time. The City is working in conjunction with the State and Federal regulatory agencies to evaluate the environmental condition of the former landfill.



Previous funding awarded during the 2020-2022 two-percent processes have allowed for further characterization of the site and refinement of the Conceptual Site Model (CSM). Deep wells were installed last spring and have been sampled. The environmental consultant compiled data and put together a report of work done. It has been determined that another deep well outside the landfill area should be installed and water tested to verify that the clay layer found during prior work is sufficient to eliminate the drinking water pathway. This work will be completed in the second quarter of 2023.

## Benefit Description

The retired municipal landfill at 1303 N Franklin was utilized by Mt. Pleasant and the surrounding area from some time in the 1950s to 1975 when it was closed. Shortly after closure, the area had a clay cap placed over it to limit the rainwater entering the landfill area.

Funding for this project will allow for future work at the site in accordance with the advisement of our environmental consultant and the Michigan Department of Environment Great Lakes and Energy (EGLE).

## Funding Requirements

Future funding requirements are unknown and will depend on the type of remediation that may be required.

## Project Timeline

Fall of 2023 to Summer of 2024

## Budget Items

Name	Cost	Quantity	Total	Category
Remediation	\$50,000.00	1	\$50,000.00	Environmental
AmountRequested	\$50,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Remediation	\$50,000.00	1	\$50,000.00
AmountMatched	\$50,000.00		

## Budget Summary

### Amount Requested

\$50,000.00

### Amount Matched

\$50,000.00

### Total Amount

\$100,000.00

## Uploaded Files

Name
<a href="#">Latest Report Regarding Site</a>

There are no comments to display.

# Overview

**Project Name**  
Automatic Water Meters

**Total Requested**  
\$59,940.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Infrastructure

# Project Description

Under our water meter replacement program that began in 1998, water meters that meet usage (total gallons registered) and age (years of service) criteria are replaced to ensure accuracy and proper operation. The Water Distribution Team is currently replacing existing water meters as they fail or are due for replacement with an Advanced Metering Infrastructure (AMI) enabled meters. Due to new technology that promises more cost-effectiveness and better industry standardization, the AMI system is an obvious choice. Installation of these AMI meters will help ensure correct and timely billing and will reduce time spent reading meters. Locations that greatly benefit from these meters include buildings with security systems designed to limit access to the public and large complexes with spread-out buildings. AMI allows utility billing to directly access the data from meters through wireless networks.

Funding of this project will allow the city to double the number of installations that we are able to do with current funding, allowing for efficiency benefits to be realized sooner for the water system.

## Benefit Description

Savings will come from the attrition of the part time meter reader positions, elimination of touch pads, fewer final reads, along with real time data.

## Funding Requirements

Meter replacement is a continuous and required process and will require perpetual funding that will be incorporated into users rates.

## Project Timeline

2023-2024

## Budget Items

Name	Cost	Quantity	Total	Category
Automatic Water Meters (5/8 Residential Meters)	\$370.00	162	\$59,940.00	Infrastructure
AmountRequested	\$59,940.00			

## Matching Funds

Name	Cost	Quantity	Total
Normal Meter Replacements (Various Sizes)	\$60,000.00	1	\$60,000.00
AmountMatched	\$60,000.00		

## Budget Summary

### Amount Requested

\$59,940.00

### Amount Matched

\$60,000.00

### Total Amount

\$119,940.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**  
Airport Operational Funding

**Total Requested**  
\$80,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Critical

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[bbrickner@mt-pleasant.org](mailto:bbrickner@mt-pleasant.org)

**Applicant Email**  
Bill Brickner

**Organization**  
Mt. Pleasant Airport

**Address**  
5453 E. Airport Rd  
Mt. Pleasant , 48858

**Phone Number**  
9897722965

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Economic development
- Infrastructure
- Safety/Security
- Transportation

# Project Description

This funding request is to provide funds to support basic operations of the airport. Appropriate staffing levels to cover operational needs have, in the past, been covered in part by using airport fund balance. Staffing at the airport ensures that appropriate staff is available 7 days per week to service aircraft.

In order to provide the necessary funds for basic operation of the Mt. Pleasant Municipal Airport, the City has had to contribute \$81,600 per year from the general fund. The Saginaw Chippewa Tribe has provided funding for the airport operations on a regular basis. Without ongoing funding from the Tribal 2% allocations, the services at the airport could not be maintained.

## Benefit Description

The airport is an economic driver for economic development and business growth. The Mt. Pleasant Airport is a major gateway to the Tribal community's casino and resort operations. Many entertainers appreciate the convenience and service they experience at the airport when coming to preform at the resort. The ability to provide essential service to the Tribal community's visitors and business associates may be affected without adequate funding. A recent study by MDOT indicated that the economic benefit to the surrounding area is \$8 million per year.

## Funding Requirements

A new partnership to share oversight and management with partners including Isabella County, Union Township, MMDC, and the Saginaw Chippewa Indian Tribe has recently been instituted. This partnership provides \$17,000 annually towards the operation of the airport.

## Project Timeline

Ongoing operation, airport operates 7 days per week year around.

## Budget Items

Name	Cost	Quantity	Total	Category
Airport Operational Funding	\$80,000.00	1	\$80,000.00	Transportation
AmountRequested	\$80,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Airport Fuel Revenue	\$150,660.00	1	\$150,660.00
Airport Rentals	\$50,060.00	1	\$50,060.00
Call outs	\$14,600.00	1	\$14,600.00
Contribution from general fund	\$81,600.00	1	\$81,600.00
AmountMatched	\$296,920.00		

## Budget Summary

### Amount Requested

\$80,000.00

### Amount Matched

\$296,920.00

### Total Amount

\$376,920.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

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# Overview

**Project Name**  
City Hall Retaining Wall - Broadway Street Sidewalk Replacement

**Total Requested**  
\$122,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
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**Fax**

# Categories

- Infrastructure

# Project Description

The retaining walls along the front side of the Borden Building/City Hall are part of the original construction and were deemed as having historic significance during the redevelopment by the State Historic Preservation Office. As a result, the walls were repaired and underpinned during the project rather than being replaced. The walls, which have been patched and repainted on a semiannual basis, continue to show signs of severe cracking.

In late 2021, staff contracted with SME, who provided the recommendation/engineering work for the original restoration, to evaluate movement evident along the west side of the site along the public sidewalk. Staff received SME’s finding in early 2021 that outlined a number of options to improve the condition and overall appearance of the walls with updated drainage and coatings, along with a cost estimate to replace the wall/s in their entirety. The retaining walls that run along the west side of the site with a height of 2-4 feet above grade are leaning and were determined that they need to be replaced along with the sidewalk that is failing.

This project includes the reconstruction of the sidewalk and retaining wall as outline by SME in their report. The funding request is to cover the replacement of the public sidewalk along Broadway Street.

## Benefit Description

The retaining walls are more than 100 years old and have been showing signs of cracking, spalling and areas where the wall is leaning causing the sidewalk to fail. This project will replace the wall and sidewalk and protect the street and streetscape from potential damage.

## Funding Requirements

None

## Project Timeline

Summer of 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Sidewalk Replacement	\$122,000.00	1	\$122,000.00	Infrastructure
AmountRequested	\$122,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Retaining Wall Replacement	\$250,000.00	1	\$250,000.00
AmountMatched	\$250,000.00		

## Budget Summary

### Amount Requested

\$122,000.00

### Amount Matched

\$250,000.00

### Total Amount

\$372,000.00

## Uploaded Files

Name
<a href="#">FinalGeotechReport_2023-03-06.pdf</a>
<a href="#">RetainingWallImage_2023-03-06.jpg</a>

There are no comments to display.





856 E. Eighth Street, Suite 1  
Traverse City, MI 49686-2784

T (231) 941-5200

[www.sme-usa.com](http://www.sme-usa.com)

February 2, 2023

Mr. Christopher Dombrowski, PE  
Williams & Works, Inc.  
549 Ottawa Avenue NW, Suite 310  
Grand Rapids, Michigan 49503

Via E-mail: [Dombrowski@williams-works.com](mailto:Dombrowski@williams-works.com)

RE: Geotechnical Evaluation – Revised  
Mt. Pleasant City Hall Retaining Walls  
320 West Broadway Street  
Mt. Pleasant, Michigan 48858  
SME Project No. 091171.00

Dear Mr. Dombrowski:

We have completed the geotechnical evaluation for the proposed retaining wall replacement at Mt. Pleasant City Hall. This report presents the results of our observations and analyses, our geotechnical recommendations, and a discussion on general construction considerations based on the information disclosed by the borings.

This evaluation was conducted in general accordance with the scope of services outlined in SME Proposal No. P03459.22 dated December 21, 2022. We revised our report dated December 22, 2022 based on our conversations with Mr. Christopher Dombrowski, PE with Williams & Works. Williams & Works (W&W) authorized our services.

As input into this evaluation W&W provided SME with the following documents.

- A preliminary drawing titled “Existing Conditions” (Sheet No. 2) for the “City Hall Retaining Wall Replacement” project, prepared by W&W.
- A document titled “Request for Proposals” prepared by the City of Mt. Pleasant.
- Historic plan sheets nos. A2.1, A2.4, A2.5, A2.6, A6.1, A8.2, and S2.1 prepared by J.E. Johnson Design Group, LLC.
- A document titled “Discloser Statement” dated November 2006 and prepared by AKT Peerless Environmental Services.

SME previously prepared a Geotechnical Evaluation Report dated January 7, 2022 (SME Project No. 088030.00).

## SITE CONDITIONS AND PROJECT DESCRIPTION

The site is located at Mt. Pleasant City Hall at 320 West Broadway Street. The site location is depicted on the Location Map on the attached Boring Location Diagram (Figure No. 1).

Existing retaining walls extend in a generally east-west direction across the site. The retaining walls provide grade separation between the City Hall parking area and the sidewalk and West Broadway Street. The project includes replacement of the existing walls that extend from the west end of the site to the existing City Hall building (i.e. the retaining walls east of the building are not included in this project). The subject retaining walls are about 1-foot high at the west end and about 12 feet high on east end at the existing building. The eastern retaining wall was underpinned and refurbished in 2008 when the building was remodeled and converted into City Hall.

The new cast-in-place concrete retaining walls will be located approximately along the same alignment and will be about the same height as the existing retaining walls. We understand the new retaining wall footings will have a design bearing elevation of 749 feet. Temporary and new permanent footings could be required to support the existing upper landing at the building entrance.

## EVALUATION PROCEDURES

### FIELD EXPLORATION

SME completed two borings (B101 and B102) on October 21, 2022. One boring extended 15 feet beneath the existing ground surface and one boring extended 25 feet beneath the existing ground surface. The approximate locations of the borings are shown on Figure No. 1. Figure No. 1 also depicts the approximate locations of previous borings B1 and B2.

The planned number, locations, and depths of the borings were determined by SME. SME located the borings in the field by referencing existing site features and estimated the existing ground surface elevations at the borings based on the referenced Existing Conditions drawing.

The borings were performed with a truck-mounted rotary drill rig and were advanced to the sampling depths using continuous-flight, hollow-stem augers. The borings included soil sampling based upon the Split-barrel Sampling Procedure. Recovered split-barrel samples were sealed in glass jars by the driller.

Groundwater observations were recorded during and upon completion of drilling at each boring. After completion of drilling and collection of groundwater observations, the boreholes were backfilled with auger cuttings and capped with similar material in paved areas.

Soil samples recovered from the field exploration were returned to the SME laboratory for further observation and testing.

### LABORATORY TESTING

The laboratory testing program consisted of performing visual soil classification on recovered samples in general accordance with ASTM D2488. SME also performed moisture content and hand penetrometer tests on portions of recovered cohesive soil samples and moisture content tests on portions of organic soil samples. The attached Laboratory Testing Procedures provides descriptions of these laboratory tests. Based on the laboratory testing, we assigned a Unified Soil Classification System (USCS) group symbol to each of the various soil strata encountered.

Upon completion of the laboratory testing, boring logs were prepared that include information on materials encountered, penetration resistances, pertinent field observations made during the drilling operations, existing ground surface elevations as estimated by SME, and the results of the laboratory tests. The boring logs are attached to this report. Explanations of symbols and terms used on the boring logs are provided on the attached Boring Log Terminology sheet.

Soil samples retained over a long time, even sealed in jars, are subject to moisture loss and are no longer representative of the conditions initially encountered in the field. Therefore, we normally retain soil samples in our laboratory for 60 days and then dispose of them, unless instructed otherwise.

## **SUBSURFACE CONDITIONS**

### **SOIL CONDITIONS**

The soil conditions encountered at borings B101, B102, and B1 (western retaining wall borings) generally consist of surficial topsoil or pavement overlaying existing sand fill over organic soils, e.g., peat. The peat was underlain by natural sands overlying natural clay (at boring B102), that extended to the explored depths of the borings; however, natural soils were not encountered at boring B1 which terminated in organic soils.

The existing sand fill extended about 3.5 to 9 feet beneath the existing ground surface. The existing sand fill was encountered in a very loose to medium dense condition. Portions of the existing sand fill contained construction debris. Near boring B1 performed for our previous evaluation, potential buried pavement was encountered about 6 inches beneath the existing ground surface. Refer to the referenced Geotechnical Evaluation Report for additional information.

In borings B101 and B202, the peat extended to about 6 to 11 feet below the existing ground surface. In boring B1, organic soil, mostly silt, extended to the termination depth, 9.5 feet, of the boring; therefore, the organic soils may extend deeper in this area. The peat had moisture contents of about 122 to 141 percent.

The natural sands were encountered in a very loose to dense condition, and the natural clays encountered at boring B102 exhibited very stiff consistency.

The soil profile described above and included on the attached draft boring logs is a generalized description of the conditions encountered. The stratification depths described above and shown on the boring logs indicate a zone of transition from one soil type to another and do not show exact depths of change from one soil type to another. Soil conditions may vary between or away from the boring locations from those conditions noted on the logs. Please refer to the boring logs for the specific soil conditions at the boring locations.

Thickness measurements of surficial materials reported on the boring logs should be considered approximate since mixing of these materials with the underlying subgrade can occur while advancing the augers, and it is difficult to measure the thickness of surface materials in small-diameter boreholes. Shallow hand augers or test pits in topsoil areas and pavement cores in pavement areas should be performed if more accurate topsoil thicknesses are required.

### **GROUNDWATER CONDITIONS**

In borings B101 and B102 groundwater was encountered about 7 to 8.5 feet beneath the existing ground surface during drilling, corresponding to approximate elevations 747 to 751.5 feet. Groundwater was not encountered above the borehole cave-in depth upon completion of drilling in borings B101 and B102. Groundwater was not encountered in boring B1 which terminated at a depth of 9.5 feet.

In organic soils and clays a long time may be required for the groundwater level in the borehole to reach an equilibrium position. Therefore, the use of groundwater observation wells (piezometers) is necessary to accurately determine the hydrostatic groundwater level within cohesive and organic soils.

Hydrostatic groundwater levels, perched groundwater conditions, and the rate of infiltration into excavations should be expected to fluctuate throughout the year, based on variations in precipitation, evaporation, run-off, and other factors. The groundwater observations recorded on the boring logs represent conditions at the time the readings were taken. The groundwater depths/elevations at the time of construction may vary from those conditions noted on the logs.

## **ANALYSIS AND RECOMMENDATIONS**

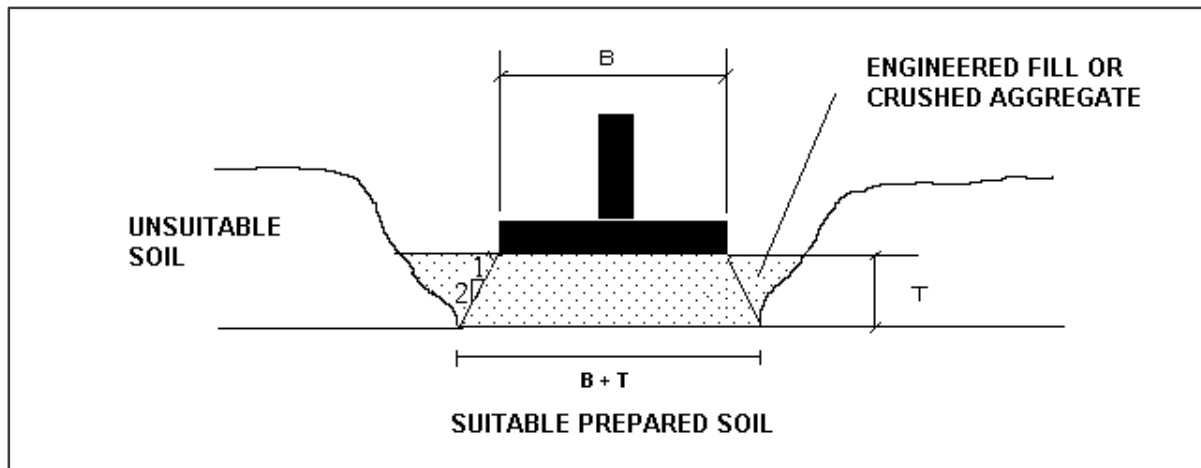
### **RETAINING WALLS AND DRAINAGE**

#### **WALL FOUNDATIONS**

The new cast-in-place concrete retaining walls will vary from about 2 to 12 feet high. The existing fill and organic soils are not suitable for foundation support and must be removed beneath shallow foundations. Shallow foundations should bear on engineered fill overlying suitable natural soils or on suitable natural soils. Suitable bearing soils were encountered below the existing fill and organic soils between 6 and 11 feet beneath the existing ground surface, corresponding to approximate elevations 748 to 749 feet; however, the organic soils may extend deeper in the area of B1 that terminated in organic soils. Retaining wall foundations should be designed with a maximum net allowable soil bearing pressure of 3,000 pounds per square-foot (psf) bearing on suitable soils described above, except that retaining wall foundations with a non-uniform pressure distribution at their base may be designed using a maximum edge pressure of 3,500 psf, provided the average pressure below the foundation does not exceed 3,000 psf. The design maximum net allowable soil bearing pressure is based on a global safety factor of three or more (for general shear failure).

SME should evaluate foundation subgrades during construction to verify that the design soil bearing pressure is achieved. New footings must not bear on or above existing fill and organic soils. Where existing fills and organic soils are encountered, they must be undercut to expose suitable natural sands. Since groundwater was encountered as high as elevation 751.5 feet at the borings, we anticipate groundwater will be encountered in the undercuts to remove the existing fills and organic soils, and the contractor should be prepared to dewater the undercuts and footing excavations, as necessary. After undercutting unsuitable soils, the design bearing elevation can be reestablished using coarse-crushed aggregate consisting of a well graded crushed natural aggregate or crushed concrete ranging from one to three inches in size with no more than seven percent by weight passing the No. 200 sieve. The aggregate should be "tamped" into the subgrade using the excavator bucket until the subgrade is stable.

The foundation undercuts should be oversized laterally and backfilled with granular engineered fill or crushed aggregate as shown on the Typical Foundation Undercutting Diagram below.



The foundation subgrade soils at this site are susceptible to disturbance, especially where groundwater is encountered. To reduce the incidence and severity of subgrade disturbance, the contractor should prepare to place the coarse-crushed aggregate as soon the undercutting is performed.

The retaining wall foundations must be situated a minimum of 42 inches below final site grades for protection against frost action during normal winters.

We estimate total settlement for retaining wall foundations using the recommended maximum net allowable bearing pressures and bearing on suitable soils as described above and as verified in the field at the time of construction by SME should be 1 inch or less. Differential settlements are estimated to be about one-half the total settlement. The settlement estimates provided are based on the available boring information, recommended bearing pressure, our experience with similar structures and soil conditions, and field verification of suitable bearing soils by SME.

## WALL BACKFILL

We recommend the retaining walls be backfilled with MDOT Class II granular material extending a minimum of two feet horizontally from the backside of the walls. Retaining wall backfill should be compacted to a minimum of 95 percent of the maximum dry density as determined by the Modified Proctor test. Care should be exercised during compaction of the wall backfill to avoid overstressing the walls. The retaining wall recommendations below are based on properly placed and compacted backfill that meets the gradational requirements of MDOT Class II granular material. For purposes of design, we recommend using a unit weight of 115 pounds per cubic-foot (pcf) and a friction angle of 30 degrees for the compacted backfill.

## LATERAL EARTH PRESSURES AND SLIDING RESISTANCE

For the purpose of designing the retaining walls, we recommend a design groundwater elevation of 751.5 feet. For a drained granular backfill situated above the design groundwater level, and a level surface behind the walls, an active equivalent fluid pressure of 40 pcf should be used for the design of flexible walls. For below-grade walls below the design groundwater level, we recommended a combined lateral earth and hydrostatic (water) of 80 pcf for the active pressure condition. Additional lateral pressures due to surcharge loading, such as stored materials, sloping ground, or traffic loads, should be added to the above lateral earth pressures for design. We recommend using a horizontal coefficient of 0.33 for an active condition, to calculate loads on walls due to surcharges. Use of this value requires a granular wall backfill. Surcharge loads should be modeled as a uniform pressure distribution applied to the entire wall height. An outward movement away from the backfill equal to approximately 0.001 times the height of the wall is generally required to achieve the active earth pressure condition for granular backfill.

We recommend using an allowable passive equivalent fluid pressure to model the passive resistance of the soil wedge adjacent to retaining walls to resist sliding or overturning. To account for the full passive resistance, a horizontal surface is required for the soil mass extending at least 10 feet from the face of the wall foundation, or three times the height of the surface generating the passive pressure, whichever is greater. An allowable equivalent passive fluid pressure of 180 pcf can be considered for properly compacted MDOT Class II engineered fill, or natural soils, above the design groundwater level based on the ultimate equivalent passive fluid pressure divided by a factor of safety of about two. The allowable equivalent passive fluid pressure should be reduced to 100 pcf below the design groundwater level. The upper 12 inches of soil in areas not protected by pavement or other erosion resistant material should not be included in the design for passive resistance to lateral loads.

To evaluate the sliding of the wall, the sliding resistance at the base, and the passive (resisting) and active (driving) earth forces must be computed. The sliding resistance may be determined by using a recommended ultimate sliding coefficient of 0.35 for concrete footings cast directly on coarse-crushed aggregate or natural sands. Typically, a factor of safety of 1.5 is applied for sliding, and a factor of safety of 2.0 is often applied to overturning.

## **DRAINAGE**

The earth pressures presented above are for a drained backfill. To reduce the potential for the build-up of hydrostatic pressure behind the retaining walls during construction and post construction we recommend drains be installed along the base of the retained soil side of the retaining walls. The drains should consist of a minimum six-inch-diameter perforated plastic drainpipe, wrapped with a filter fabric and surrounded by six inches of a filter material, such as pea gravel (MDOT 34G or MDOT 34R), wrapped with a filter fabric. The drains should be discharged to a gravity drainage outlet, if feasible. We recommend the design include provisions for access to the drains for cleaning and maintenance. Typically, annual checking and maintenance of the drains should be planned for.

## **EXTERNAL STABILITY**

Based on the soil conditions, the retaining wall heights, and provided the recommendations above are followed, and considering final grades will approximately match existing grades, we do not expect external stability to control the wall design. Therefore, we do not judge a formal global stability analysis to be required.

## **DESIGN AND CONSTRUCTION CONSIDERATIONS**

As indicated above, groundwater should be anticipated in undercuts to remove the existing fills and organic soils. Provided undercuts are performed in relatively small areas at a time, a coarse-crushed aggregate in placed as organic soils are removed, we anticipate conventional sump pit and pumping techniques will generally be suitable to control groundwater seepage in the foundation undercuts. Excavations that extend below the groundwater level in sands will require high capacity dewatering techniques.

Temporary footings to support the existing landing area can bear in the existing sand fill provided a maximum net allowable soil bearing pressure of 1,500 psf is used for design. New permanent footings should bear below the existing sand fill and organic soils using a maximum net allowable soil bearing pressure of 3,000 psf.

The contractor must provide a safely sloped excavation or an adequately constructed and braced shoring system in accordance with federal, state, and local safety regulations for individuals working in an excavation that may expose them to the danger of moving ground. If material is stored or heavy equipment is operated near an excavation, use appropriate shoring to resist the extra pressure due to the superimposed loads.



We understand the existing sidewalk will be removed during construction of the new retaining wall. Based on the proposed wall alignment and the required undercut depth to remove organic soils, we anticipate temporary earth retention may be required to protect the adjacent roadway along a portion of the retaining wall alignment. Excavations cannot extend below existing foundations without first properly underpinning or shoring the existing foundations. Based on the site conditions and anticipated excavation depths, we anticipate temporary earth retention (if required) will need to retain about 3 feet adjacent to the existing roadway. Therefore, we do not anticipate the temporary earth retention will need to consist of heavy steel sheeting or other similar system. Rather, we anticipate steel sheets that are pushed into the subgrade or precast blocks may be provide sufficient temporary earth retention. However, underpinning, shoring and earth retention systems should be designed by a qualified professional engineer, and installed by a contractor experienced with construction of these systems.

The contractor must protect adjacent existing buildings, utilities and roadways during demolition of the existing retaining walls and during construction of the proposed retaining walls. During the excavating and compacting operations, excessive vibrations should not cause settlement of the existing buildings, utilities and roadways, and the contractor should avoid undermining existing building, utilities, and roadways.

Handling, transportation, and disposal of excavated materials and groundwater should be performed in accordance with applicable regulations. Refer to the referenced Disclosure Document for information regarding environmentally impacted soils at this site.

We appreciate the opportunity to be of service. If you have questions regarding this report, or if you require additional information, please contact us.

Very truly yours,

**SME**

**PREPARED BY:**



Paul Anderson  
Feb 2 2023 2:11 PM

Paul E. Anderson, PE  
Senior Project Engineer

**REVIEWED BY:**



Andrew T. Bolton  
Feb 2 2023 10:40 AM

Andrew T. Bolton, PE  
Senior Consultant

Attachments: Boring Location Diagram (Figure No. 1)  
Boring Log Terminology  
Boring Logs (B101 and B102)  
Previous Boring Logs (B1 and B2) – SME Project No. 088030.00  
Important Information About This Geotechnical-Engineering Report  
General Comments  
Laboratory Testing Procedures



\\sme-inc\pz\WIP\091171.00\CAD\Design Files\BLD\Rev0\091171.00-BLD.dwg

PLOT DATE: Dec 21, 2022 - 12:00pm - julie.blake



**LOCATION MAP**  
NOT TO SCALE

**LEGEND**

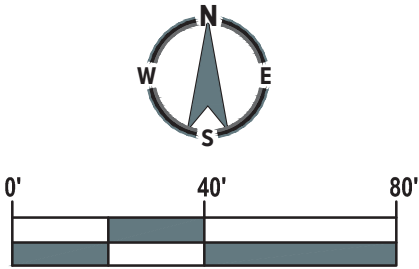


APPROXIMATE LOCATION OF 2021 BORING  
SME PROJECT NO. 088030.00



APPROXIMATE CURRENT BORING LOCATION

NOTE:  
BASE DRAWING INFORMATION TAKEN FROM GOOGLE EARTH PRO  
WITH IMAGE DATE 9/21/2015.



GRAPHIC SCALE: 1" = 40'



Project  
**MT. PLEASANT  
CITY HALL RETAINING  
WALLS**

Project Location  
**MT. PLEASANT,  
MICHIGAN**

Sheet Name  
**BORING LOCATION  
DIAGRAM**

No.	Revision Date

Date  
**12-20-2022**

CADD  
**JAB**

Designer  
**PEA**

Scale  
**AS NOTED**
















Project  
**091171.00**

























Figure No.  
**1**

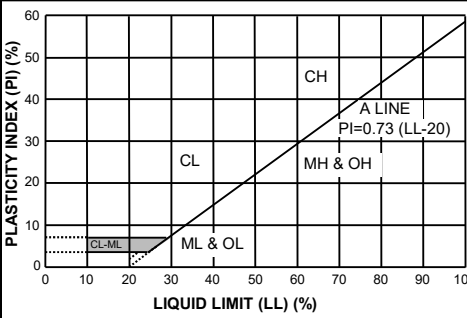
DRAWING NOTE: SCALE DEPICTED IS MEANT FOR 11" X 17"  
AND WILL SCALE INCORRECTLY IF PRINTED ON ANY  
OTHER SIZE MEDIA  
NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR  
CONSENT OF SME  
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# BORING LOG TERMINOLOGY

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART		
<b>COARSE-GRAINED SOIL</b> (more than 50% of material is larger than No. 200 sieve size.)		
Clean Gravel (Less than 5% fines)		
<b>GRAVEL</b> More than 50% of coarse fraction larger than No. 4 sieve size		GW Well-graded gravel; gravel-sand mixtures, little or no fines
		GP Poorly-graded gravel; gravel-sand mixtures, little or no fines
	Gravel with fines (More than 12% fines)	
		GM Silty gravel; gravel-sand-silt mixtures
		GC Clayey gravel; gravel-sand-clay mixtures
Clean Sand (Less than 5% fines)		
<b>SAND</b> 50% or more of coarse fraction smaller than No. 4 sieve size		SW Well-graded sand; sand-gravel mixtures, little or no fines
		SP Poorly-graded sand; sand-gravel mixtures, little or no fines
	Sand with fines (More than 12% fines)	
		SM Silty sand; sand-silt-gravel mixtures
		SC Clayey sand; sand-clay-gravel mixtures
<b>FINE-GRAINED SOIL</b> (50% or more of material is smaller than No. 200 sieve size)		
<b>SILT AND CLAY</b> Liquid limit less than 50%		ML Inorganic silt; sandy silt or gravelly silt with slight plasticity
		CL Inorganic clay of low plasticity; lean clay, sandy clay, gravelly clay
		OL Organic silt and organic clay of low plasticity
<b>SILT AND CLAY</b> Liquid limit 50% or greater		MH Inorganic silt of high plasticity, elastic silt
		CH Inorganic clay of high plasticity, fat clay
		OH Organic silt and organic clay of high plasticity
		PT Peat and other highly organic soil

OTHER MATERIAL SYMBOLS		
		
 Topsoil	 Void	 Sandstone
		
 Asphalt Concrete	 Glacial Till	 Siltstone
		
 Aggregate Base	 Coal	 Limestone
		
 Portland Cement Concrete	 Shale	 Fill

LABORATORY CLASSIFICATION CRITERIA	
GW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}^2}{D_{10} \times D_{60}}$ between 1 and 3
GP	Not meeting all gradation requirements for GW
GM	Atterberg limits below "A" line or PI less than 4
GC	Atterberg limits above "A" line with PI greater than 7
SW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 6; $C_c = \frac{D_{30}^2}{D_{10} \times D_{60}}$ between 1 and 3
SP	Not meeting all gradation requirements for SW
SM	Atterberg limits below "A" line or PI less than 4
SC	Atterberg limits above "A" line with PI greater than 7
<p>Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:</p> <p>Less than 5 percent.....GW, GP, SW, SP  More than 12 percent.....GM, GC, SM, SC  5 to 12 percent.....Cases requiring dual symbols</p> <ul style="list-style-type: none"> <li>• SP-SM or SW-SM (SAND with Silt or SAND with Silt and Gravel)</li> <li>• SP-SC or SW-SC (SAND with Clay or SAND with Clay and Gravel)</li> <li>• GP-GM or GW-GM (GRAVEL with Silt or GRAVEL with Silt and Sand)</li> <li>• GP-GC or GW-GC (GRAVEL with Clay or GRAVEL with Clay and Sand)</li> </ul> <p>If the fines are CL-ML:</p> <ul style="list-style-type: none"> <li>• SC-SM (SILTY CLAYEY SAND or SILTY CLAYEY SAND with Gravel)</li> <li>• SM-SC (CLAYEY SILTY SAND or CLAYEY SILTY SAND with Gravel)</li> <li>• GC-GM (SILTY CLAYEY GRAVEL or SILTY CLAYEY GRAVEL with Sand)</li> </ul>	
PARTICLE SIZES	
Boulders	- Greater than 12 inches
Cobbles	- 3 inches to 12 inches
Gravel- Coarse	- 3/4 inches to 3 inches
Gravel- Fine	- No. 4 to 3/4 inches
Sand- Coarse	- No. 10 to No. 4
Sand- Medium	- No. 40 to No. 10
Sand- Fine	- No. 200 to No. 40
Silt and Clay	- Less than (0.074 mm)
PLASTICITY CHART	
	

VISUAL MANUAL PROCEDURE	
<p>When laboratory tests are not performed to confirm the classification of soils exhibiting borderline classifications, the two possible classifications would be separated with a slash, as follows:</p> <p>For soils where it is difficult to distinguish if it is a coarse or fine-grained soil:</p> <ul style="list-style-type: none"> <li>• SC/CL (CLAYEY SAND to Sandy LEAN CLAY)</li> <li>• SM/ML (SILTY SAND to SANDY SILT)</li> <li>• GC/CL (CLAYEY GRAVEL to Gravelly LEAN CLAY)</li> <li>• GM/ML (SILTY GRAVEL to Gravelly SILT)</li> </ul> <p>For soils where it is difficult to distinguish if it is sand or gravel, poorly or well-graded sand or gravel; silt or clay; or plastic or non-plastic silt or clay:</p> <ul style="list-style-type: none"> <li>• SP/GP or SW/GW (SAND with Gravel to GRAVEL with Sand)</li> <li>• SC/GC (CLAYEY SAND with Gravel to CLAYEY GRAVEL with Sand)</li> <li>• SM/GM (SILTY SAND with Gravel to SILTY GRAVEL with Sand)</li> <li>• SW/SP (SAND or SAND with Gravel)</li> <li>• GP/GW (GRAVEL or GRAVEL with Sand)</li> <li>• SC/SM (CLAYEY to SILTY SAND)</li> <li>• GM/GC (SILTY to CLAYEY GRAVEL)</li> <li>• CL/ML (SILTY CLAY)</li> <li>• ML/CL (CLAYEY SILT)</li> <li>• CH/MH (FAT CLAY to ELASTIC SILT)</li> <li>• CL/CH (LEAN to FAT CLAY)</li> <li>• MH/ML (ELASTIC SILT to SILT)</li> </ul>	
DRILLING AND SAMPLING ABBREVIATIONS	
2ST	- Shelby Tube - 2" O.D.
3ST	- Shelby Tube - 3" O.D.
AS	- Auger Sample
GS	- Grab Sample
LS	- Liner Sample
NR	- No Recovery
PM	- Pressuremeter
RC	- Rock Core diamond bit. NX size, except where noted
SB	- Split Barrel Sample 1-3/8" I.D., 2" O.D., except where noted
VS	- Vane Shear
WS	- Wash Sample
OTHER ABBREVIATIONS	
WOH	- Weight of Hammer
WOR	- Weight of Rods
SP	- Soil Probe
PID	- Photo Ionization Device
FID	- Flame Ionization Device
DEPOSITIONAL FEATURES	
Parting	- as much as 1/16 inch thick
Seam	- 1/16 inch to 1/2 inch thick
Layer	- 1/2 inch to 12 inches thick
Stratum	- greater than 12 inches thick
Pocket	- deposit of limited lateral extent
Lens	- lenticular deposit
Hardpan/Till	- an unstratified, consolidated or cemented mixture of clay, silt, sand and/or gravel, the size/shape of the constituents vary widely
Lacustrine	- soil deposited by lake water
Mottled	- soil irregularly marked with spots of different colors that vary in number and size
Varved	- alternating partings or seams of silt and/or clay
Occasional	- one or less per foot of thickness
Frequent	- more than one per foot of thickness
Interbedded	- strata of soil or beds of rock lying between or alternating with other strata of a different nature
DESCRIPTION OF RELATIVE QUANTITIES	
<p>The visual-manual procedure uses the following terms to describe the relative quantities of notable foreign materials, gravel, sand or fines:</p> <p>Trace - particles are present but estimated to be less than 5%</p> <p>Few - 5 to 10%</p> <p>Little - 15 to 25%</p> <p>Some - 30 to 45%</p> <p>Mostly - 50 to 100%</p>	

CLASSIFICATION TERMINOLOGY AND CORRELATIONS			
Cohesionless Soils		Cohesive Soils	
Relative Density	N <sub>60</sub> (N-Value) (Blows per foot)	Consistency	N <sub>60</sub> (N-Value) (Blows per foot)      Undrained Shear Strength (kips/ft <sup>2</sup> )
Very Loose	0 to 4	Very Soft	<2      0.25 or less
Loose	5 to 10	Soft	2 - 4      > 0.25 to 0.50
Medium Dense	11 to 30	Medium	5 - 8      > 0.50 to 1.0
Dense	31 to 50	Stiff	9 - 15      > 1.0 to 2.0
Very Dense	51 to 80	Very Stiff	16 - 30      > 2.0 to 4.0
Extremely Dense	Over 81	Hard	> 30      > 4.0 or greater
<p>Standard Penetration 'N-Value' = Blows per foot of a 140-pound hammer falling 30 inches on a 2-inch O.D. split barrel sampler, except where noted. N<sub>60</sub> values as reported on boring logs represent raw N-values corrected for hammer efficiency only.</p>			

12/22/22 10:20:15 AM



# BORING B101

PAGE 1 OF 1

BORING DEPTH: 15 FEET

PROJECT NAME: Mt. Pleasant Retaining Walls

PROJECT NUMBER: 091171.00

CLIENT: Williams and Works LLC

PROJECT LOCATION: Mt. Pleasant, Michigan

DATE STARTED: 10/21/22

COMPLETED: 10/21/22

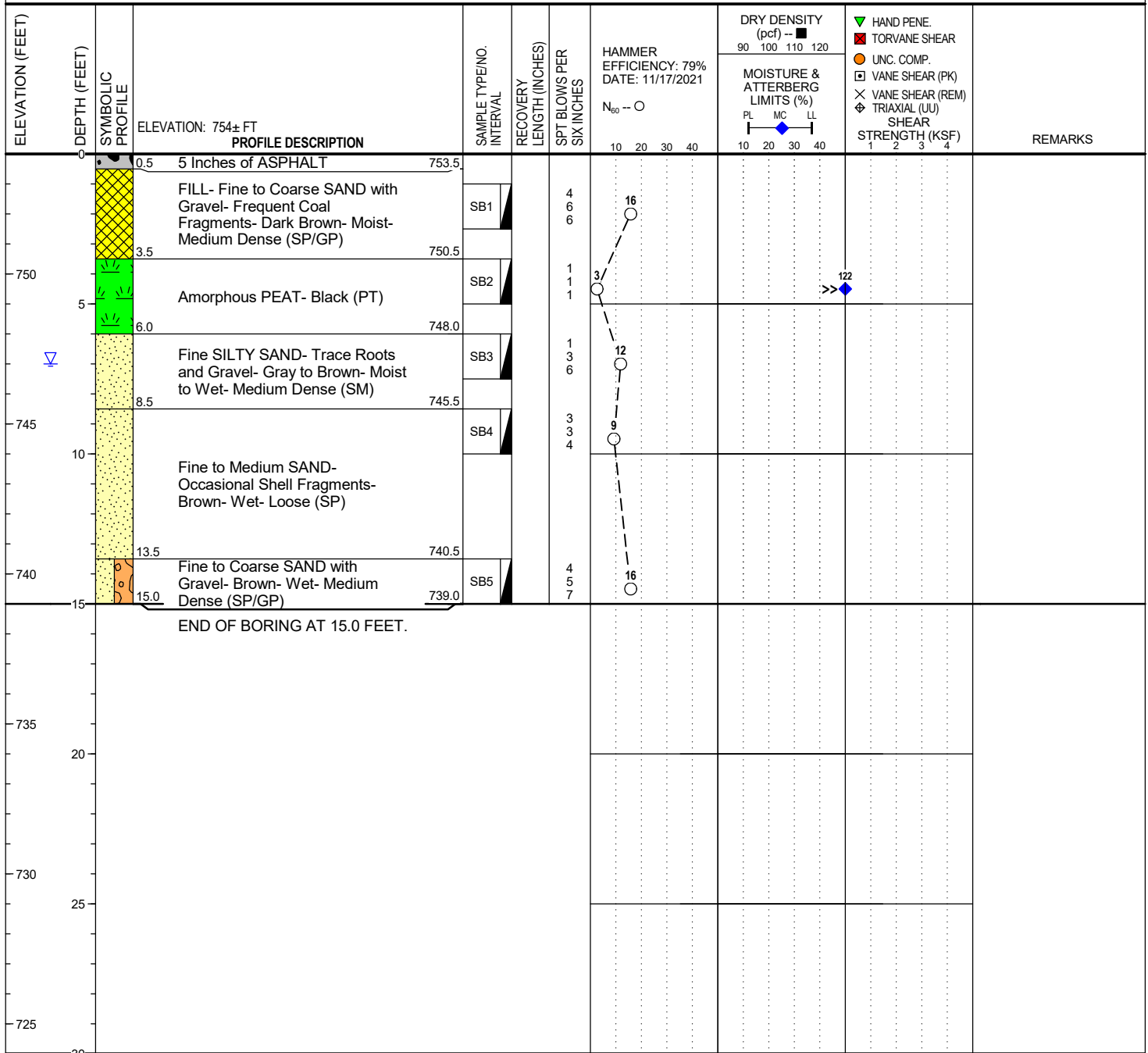
BORING METHOD: Hollow-stem Augers

DRILLER: AR (Brax Drilling)

RIG NO.: CME - Truck

LOGGED BY: MGJ

CHECKED BY: JLN



## GROUNDWATER & BACKFILL INFORMATION

DEPTH (FT) ELEV (FT)  
DURING BORING: 7.0 747.0

CAVE-IN OF BOREHOLE AT: 7.8 746.2

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.  
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

12/22/22 10:20:16 AM



# BORING B102

PAGE 1 OF 1

BORING DEPTH: 25 FEET

PROJECT NAME: Mt. Pleasant Retaining Walls

PROJECT NUMBER: 091171.00

CLIENT: Williams and Works LLC

PROJECT LOCATION: Mt. Pleasant, Michigan

DATE STARTED: 10/21/22

COMPLETED: 10/21/22

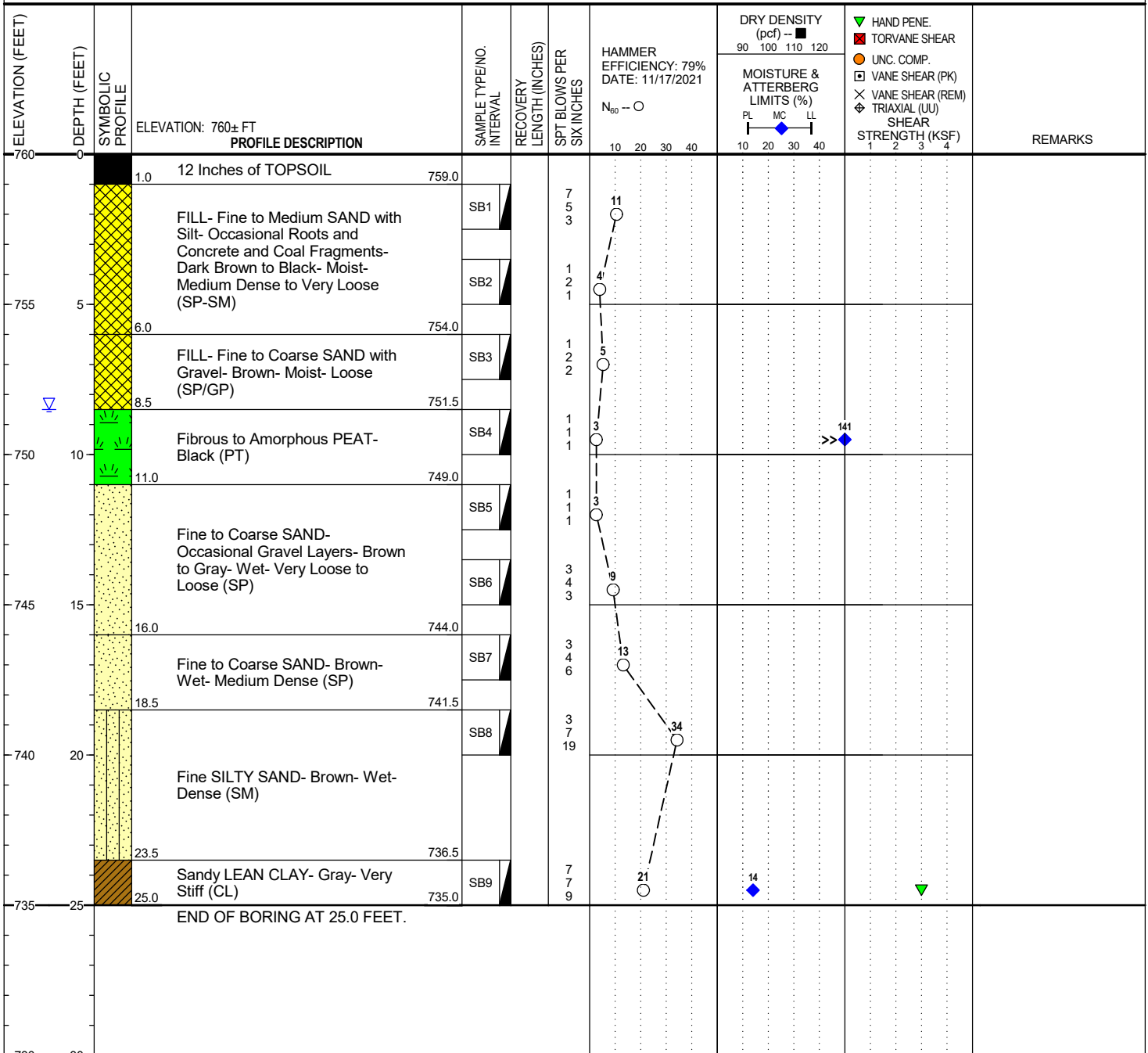
BORING METHOD: Hollow-stem Augers

DRILLER: AR (Brax Drilling)

RIG NO.: CME - Truck

LOGGED BY: MGJ

CHECKED BY: JLN



## GROUNDWATER & BACKFILL INFORMATION

▼ DURING BORING: DEPTH (FT) 8.5 ELEV (FT) 751.5

CAVE-IN OF BOREHOLE AT: 12.1 747.9

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.  
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

1/7/22 3:56:15 PM



# BORING B 1

PAGE 1 OF 1

BORING DEPTH: 9.5 FEET

PROJECT NAME: Mt. Pleasant City Hall Retaining Walls

PROJECT NUMBER: 088030.00

CLIENT: City of Mt. Pleasant

PROJECT LOCATION: Mount Pleasant, Michigan

DATE STARTED: 11/5/21

COMPLETED: 11/5/21

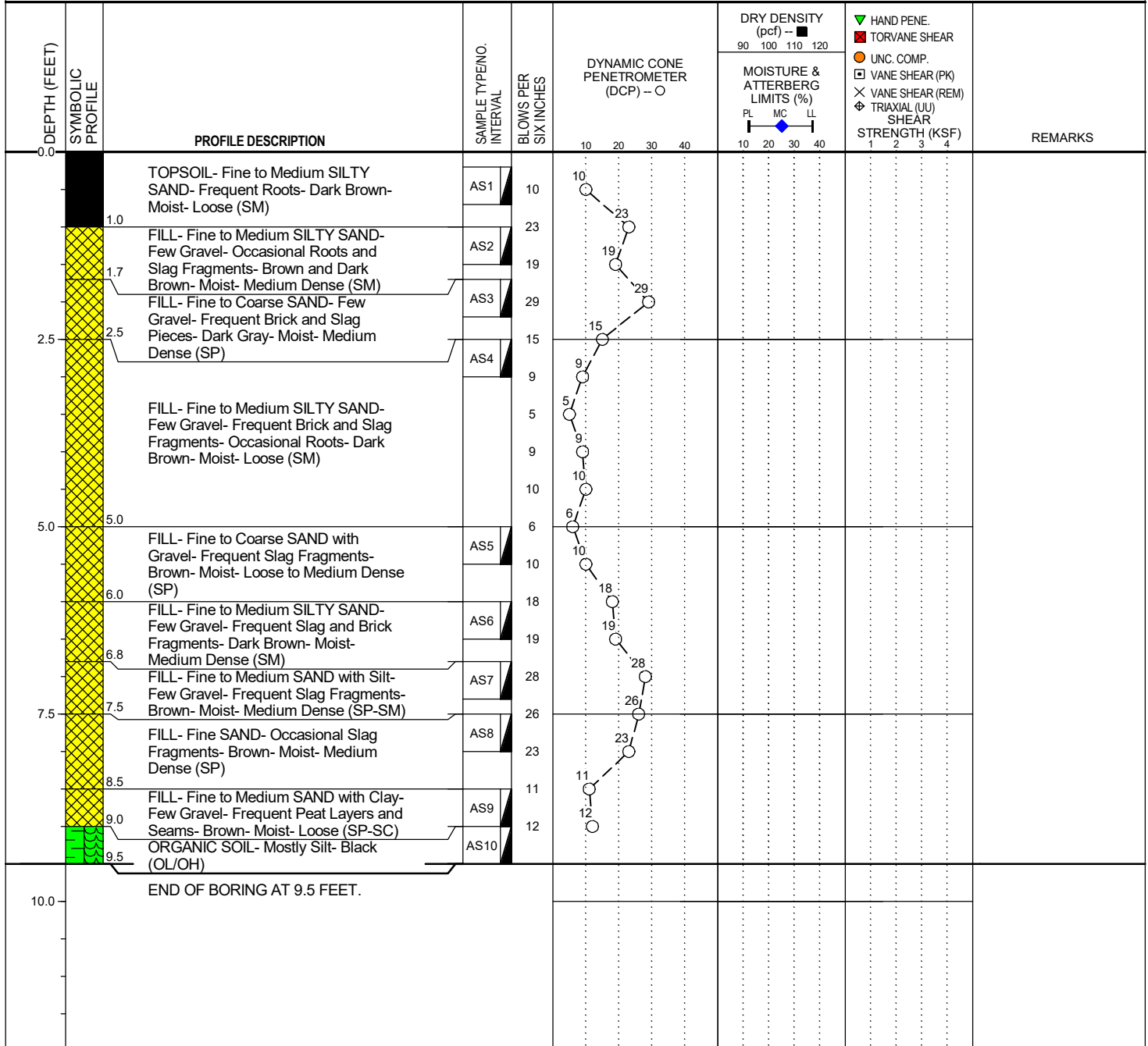
BORING METHOD: Hand Auger

FIELD REPRESENTATIVE: NBS

EQUIPMENT: Hand Auger

LOGGED BY: NBS

CHECKED BY: ATB



## GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.  
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

1/7/22 3:56:16 PM



# BORING B 2

PAGE 1 OF 1

BORING DEPTH: 10 FEET

PROJECT NAME: Mt. Pleasant City Hall Retaining Walls

PROJECT NUMBER: 088030.00

CLIENT: City of Mt. Pleasant

PROJECT LOCATION: Mount Pleasant, Michigan

DATE STARTED: 11/5/21

COMPLETED: 11/5/21

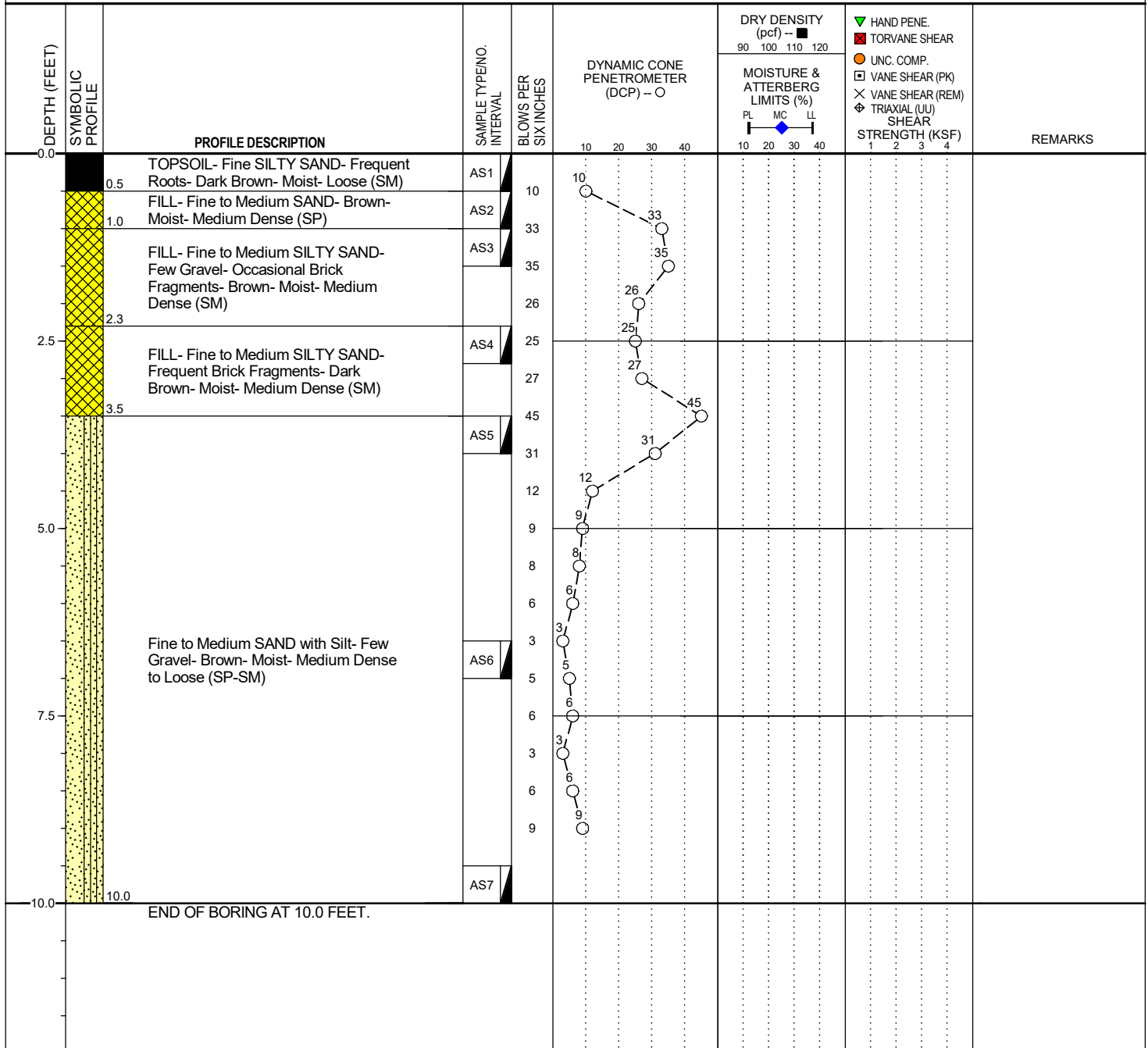
BORING METHOD: Hand Auger

FIELD REPRESENTATIVE: NBS

EQUIPMENT: Hand Auger

LOGGED BY: NBS

CHECKED BY: ATB



## GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.  
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

# Important Information about This Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

**The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation**

**everyone involved with a construction project.**

## Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

## Geotechnical-Engineering Services are Performed

### and Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer

will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.*

## Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

## You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*



responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

### Most of the “Findings” Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site’s subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual site-wide subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

### This Report’s Recommendations Are

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

### This Report Could Be Misinterpreted

Other design professionals’ misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals’ plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

### Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note*

*conspicuously that you’ve included the material for information purposes only.* To avoid misunderstanding, you may also want to note that “informational purposes” means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

### Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled “limitations,” many of these provisions indicate where geotechnical engineers’ responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

### Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a “phase-one” or “phase-two” environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

### Obtain Professional Assistance to Deal with

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer’s services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, *proper implementation of the geotechnical engineer’s recommendations will not of itself be sufficient to prevent moisture infiltration.* Confront the risk of moisture infiltration by including building-envelope or mold specialists on the design team. *Geotechnical engineers are not building-envelope or mold specialists.*



**GEOPROFESSIONAL  
BUSINESS  
ASSOCIATION**

Telephone: 301/565-2733

e-mail: [info@geoprofessional.org](mailto:info@geoprofessional.org) [www.geoprofessional.org](http://www.geoprofessional.org)

## GENERAL COMMENTS

### BASIS OF GEOTECHNICAL REPORT

This report has been prepared in accordance with generally accepted geotechnical engineering practices to assist in the design and/or evaluation of this project. If the project plans, design criteria, and other project information referenced in this report and utilized by SME to prepare our recommendations are changed, the conclusions and recommendations contained in this report are not considered valid unless the changes are reviewed, and the conclusions and recommendations of this report are modified or approved in writing by our office.

The discussions and recommendations submitted in this report are based on the available project information, described in this report, and the geotechnical data obtained from the field exploration at the locations indicated in the report. Variations in the soil and groundwater conditions commonly occur between or away from sampling locations. The nature and extent of the variations may not become evident until the time of construction. If significant variations are observed during construction, SME should be contacted to reevaluate the recommendations of this report. SME should be retained to continue our services through construction to observe and evaluate the actual subsurface conditions relative to the recommendations made in this report.

In the process of obtaining and testing samples and preparing this report, procedures are followed that represent reasonable and accepted practice in the field of soil and foundation engineering. Specifically, field logs are prepared during the field exploration that describe field occurrences, sampling locations, and other information. Samples obtained in the field are frequently subjected to additional testing and reclassification in the laboratory and differences may exist between the field logs and the report logs. The engineer preparing the report reviews the field logs, laboratory classifications, and test data and then prepares the report logs. Our recommendations are based on the contents of the report logs and the information contained therein.

### REVIEW OF DESIGN DETAILS, PLANS, AND SPECIFICATIONS

SME should be retained to review the design details, project plans, and specifications to verify those documents are consistent with the recommendations contained in this report.

### REVIEW OF REPORT INFORMATION WITH PROJECT TEAM

Implementation of our recommendations may affect the design, construction, and performance of the proposed improvements, along with the potential inherent risks involved with the proposed construction. The client and key members of the design team, including SME, should discuss the issues covered in this report so that the issues are understood and applied in a manner consistent with the owner's budget, tolerance of risk, and expectations for performance and maintenance.

### FIELD VERIFICATION OF GEOTECHNICAL CONDITIONS

SME should be retained to verify the recommendations of this report are properly implemented during construction. This may avoid misinterpretation of our recommendations by other parties and will allow us to review and modify our recommendations if variations in the site subsurface conditions are encountered.

### PROJECT INFORMATION FOR CONTRACTOR

This report and any future addenda or other reports regarding this site should be made available to prospective contractors prior to submitting their proposals for their information only and to supply them with facts relative to the subsurface evaluation and laboratory test results. If the selected contractor encounters subsurface conditions during construction, which differ from those presented in this report, the contractor should promptly describe the nature and extent of the differing conditions in writing and SME should be notified so that we can verify those conditions. The construction contract should include provisions for dealing with differing conditions and contingency funds should be reserved for potential problems during earthwork and foundation construction. We would be pleased to assist you in developing the contract provisions based on our experience.

The contractor should be prepared to handle environmental conditions encountered at this site, which may affect the excavation, removal, or disposal of soil; dewatering of excavations; and health and safety of workers. Any Environmental Assessment reports prepared for this site should be made available for review by bidders and the successful contractor.

### THIRD PARTY RELIANCE/REUSE OF THIS REPORT

This report has been prepared solely for the use of our Client for the project specifically described in this report. This report cannot be relied upon by other parties not involved in the project, unless specifically allowed by SME in writing. SME also is not responsible for the interpretation by other parties of the geotechnical data and the recommendations provided herein.

# LABORATORY TESTING PROCEDURES

## VISUAL ENGINEERING CLASSIFICATION

Visual classification was performed on recovered samples. The appended General Notes and Unified Soil Classification System (USCS) sheets include a brief summary of the general method used visually classify the soil and assign an appropriate USCS group symbol. The estimated group symbol, according to the USCS, is shown in parentheses following the textural description of the various strata on the boring logs appended to this report. The soil descriptions developed from visual classifications are sometimes modified to reflect the results of laboratory testing.

## MOISTURE CONTENT

Moisture content tests were performed by weighing samples from the field at their in-situ moisture condition. These samples were then dried at a constant temperature (approximately 110° C) overnight in an oven. After drying, the samples were weighed to determine the dry weight of the sample and the weight of the water that was expelled during drying. The moisture content of the specimen is expressed as a percent and is the weight of the water compared to the dry weight of the specimen.

## HAND PENETROMETER TESTS

In the hand penetrometer test, the unconfined compressive strength of a cohesive soil sample is estimated by measuring the resistance of the sample to the penetration of a small calibrated, spring-loaded cylinder. The maximum capacity of the penetrometer is 4.5 tons per square-foot (tsf). Theoretically, the undrained shear strength of the cohesive sample is one-half the unconfined compressive strength. The undrained shear strength (based on the hand penetrometer test) presented on the boring logs is reported in units of kips per square-foot (ksf).

## TORVANE SHEAR TESTS

In the Torvane test, the shear strength of a low strength, cohesive soil sample is estimated by measuring the resistance of the sample to a torque applied through vanes inserted into the sample. The undrained shear strength of the samples is measured from the maximum torque required to shear the sample and is reported in units of kips per square-foot (ksf).

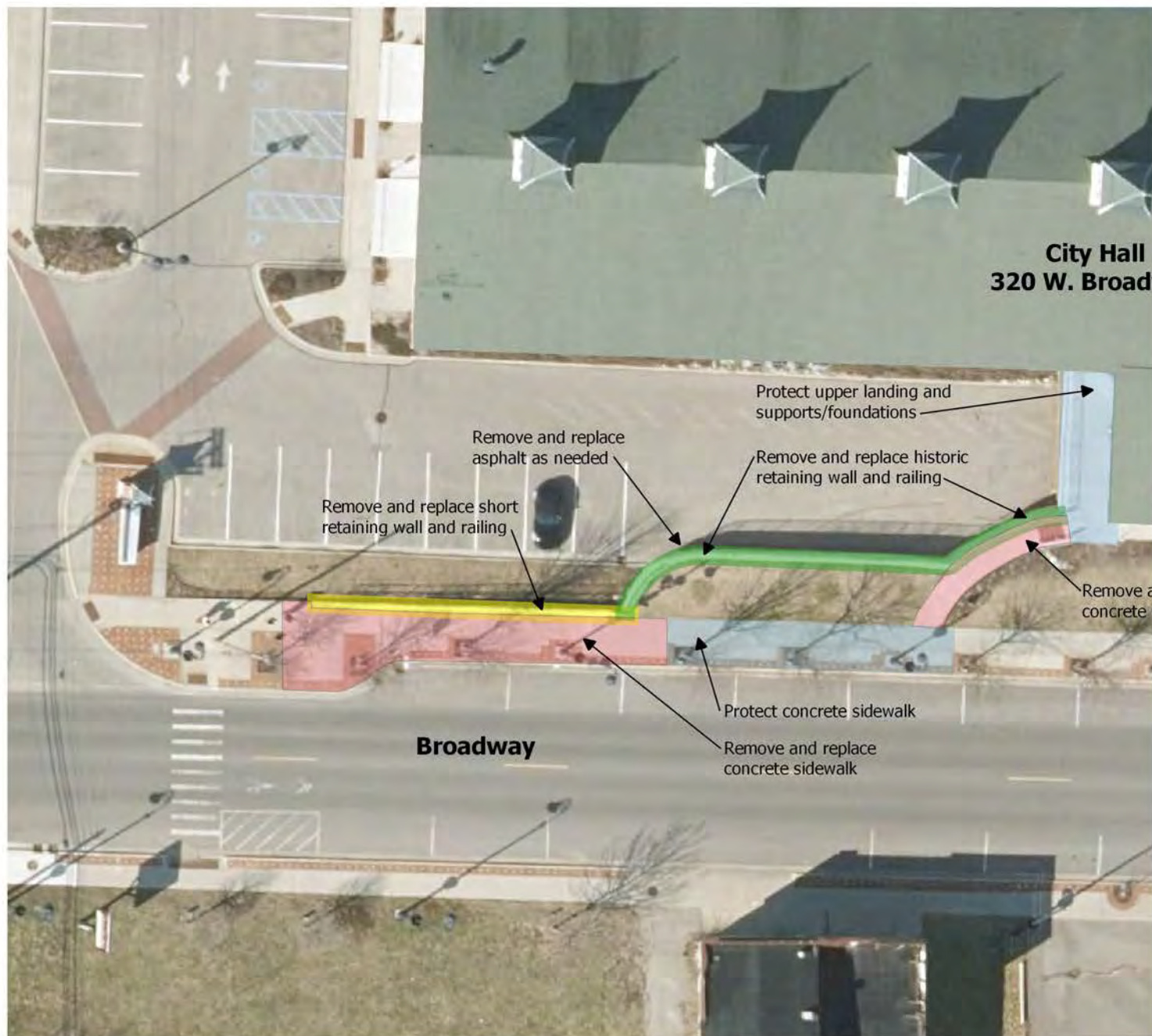
## LOSS-ON-IGNITION (ORGANIC CONTENT) TESTS

Loss-on-ignition (LOI) tests are conducted by first weighing the sample and then heating the sample to dry the moisture from the sample (in the same manner as determining the moisture content of the soil). The sample is then re-weighed to determine the dry weight and then heated for 4 hours in a muffle furnace at a high temperature (approximately 440° C). After cooling, the sample is re-weighed to calculate the amount of ash remaining, which in turn is used to determine the amount of organic matter burned from the original dry sample. The organic matter content of the specimen is expressed as a percent compared to the dry weight of the sample.

## ATTERBERG LIMITS TESTS

Atterberg limits tests consist of two components. The plastic limit of a cohesive sample is determined by rolling the sample into a thread and the plastic limit is the moisture content where a 1/8-inch thread begins to crumble. The liquid limit is determined by placing a 1/2-inch thick soil pat into the liquid limits cup and using a grooving tool to divide the soil pat in half. The cup is then tapped on the base of the liquid limits device using a crank handle. The number of drops of the cup to close the gap formed by the grooving tool 1/2 inch is recorded along with the corresponding moisture content of the sample. This procedure is repeated several times at different moisture contents and a graph of moisture content and the corresponding number of blows is plotted. The liquid limit is defined as the moisture content at a nominal 25 drops of the cup. From this test, the plasticity index can be determined by subtracting the plastic limit from the liquid limit.





# Overview

**Project Name**  
City ROW Tree Inventory

**Total Requested**  
\$15,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Environmental
- Infrastructure

# Project Description

We would like to obtain a full inventory of the City's right-of-way trees. This inventory would include GPS coordinates for each tree, species, health/condition, height, diameter, and the software to maintain the inventory.

# Benefit Description

A base knowledge of the City maintained trees would help with species diversification for future plantings and eliminate planting too many of the same varieties in order to help protect the current inventory from damage from invasive species, diseases and pests.

# Funding Requirements

None

# Project Timeline

Summer 2023

# Budget Items

Name	Cost	Quantity	Total	Category
City ROW Tree Inventory	\$15,000.00	1	\$15,000.00	Environmental
AmountRequested	\$15,000.00			

# Matching Funds

Name	Cost	Quantity	Total
MDNR Awarded Grant	\$15,000.00	1	\$15,000.00
AmountMatched	\$15,000.00		

# Budget Summary

## Amount Requested

\$15,000.00

## Amount Matched

\$15,000.00

## Total Amount

\$30,000.00

# Uploaded Files

Name
<a href="#">CityofMountPleasant2022030320220901_2023-03-06.pdf</a>

There are no comments to display.



# ARBORPRO, INC.

## Proposal for Tree Inventory Services

July 1, 2021

Matt Weaver  
**City of Mount Pleasant**  
 Mount Pleasant, MI

## OVERVIEW

ArborPro, Inc. is a full-service Urban Forestry consulting company. We provide municipalities, universities, and government agencies with an array of products and services. Our core services include; GPS tree inventories, GIS-based management software, Urban Forest Management Plans, Planting Plans, Hazardous Tree Assessments, and public education on the benefits of trees and tree inventories. We have been providing these services for over 15 years.

## OUR PROPOSAL

We intend to send our ISA Certified Arborists to collect an estimated 7,500 trees within the City of Mount Pleasant. The cost outlined below is a per tree price. The final cost of the project will be determined by the actual number of sites collected and can be adjusted to accommodate additional data collection. A Geographic Information System (GIS)-based inventory of maintained trees, planting sites, and stumps located along public rights-of-way (ROW) and Parks will be performed based on American National Standards Institute (ANSI) A300 standards.

## PRICING

The following table details the pricing for delivery of the services outlined in this proposal.

Fixed Fees	Unit	Number of Trees	Price	Total
Tree Inventory & Assessment Services	Per Tree	7,500	\$3.75	\$28,125
<b>Total</b>				<b>\$28,125</b>

Data collection will contain at a minimum the following attributes:

## TREE INVENTORY DATA FIELDS

- GPS coordinates with sub-meter accuracy
- Tree location based on hierarchy – zone, address #, street
- Tree name: Common and Botanical
- Tree size: DBH (diameter at 4.5 feet above ground)
- Number of trunks
- Clearance issues (visibility issues to vehicles, pedestrians, signs)
- Overhead utilities (Y/N)
- Recommended Maintenance
- Condition (excellent, good, fair, poor, dead)
- Observations – Arborist will provide general observations
- Height
- Hardscape damage (Y/N)
- Additional notes when needed
- Date of assessment

## SOFTWARE

ArborPro Inventory Data Collectors will record the required tree attributes onto our proprietary ArborPro software suite, which utilizes the latest in GIS (Geographic Information System) technology to offer users an immediate visual representation of any tree. The City's tree inventory data will be uploaded weekly into ArborPro's multi-purpose, Cloud based tree management software, and will also be provided as an Excel™ database and ESRI® shapefiles. ArborPro Enterprise gives the user the ability to access the database through any web enabled device; computer, smart phone, tablet, etc. While software is not a required component of this proposal, we are offering access to the system during the inventory project.

If the City chooses to continue using ArborPro's system after the project is completed, the following subscriptions are available.

### Subscription Options

Term	Cost
One (1) Year	\$2,250
Three (3) Years	\$5,750
Five (5) Years	\$9,000

If you have questions on this proposal, feel free to contact me at your convenience by email at [cconlee@arborprousa.com](mailto:cconlee@arborprousa.com) or by phone at (714) 357-7261.

Thank you for your consideration,

**Chris Conlee**  
Division Manager  
ArborPro, Inc.

# Overview

**Project Name**

Close Sidewalk Gaps

**Total Requested**

\$89,000.00

(amount based on the Itemized Budget total)

**Applicant Project Priority**

Medium

**Reoccurring Need?**

Not Reoccurring

# Applicant Information

**Applicant Name**

[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**

Jason Moore

**Organization**

City of MtPleasant

**Address**

320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**

9897795405

# Organization Information

**Primary Organization**

City of Mt. Pleasant

**Authorizers**

[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**

Review

**Address**

320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**

(989) 779-5300

**Fax**

# Categories

- Infrastructure
- Safety/Security
- Transportation

# Project Description

This project is intended to close gaps in the existing sidewalk network to create a continuous sidewalk in various highly traveled pathways. The gaps in the sidewalk were the result of past developments that were not required to install sidewalks, or developments that are disconnected from existing sidewalks.

There are three gap locations that would require new sidewalk to be constructed to close the gaps.

- 1) Crosslanes at East Drive - The sidewalk on the north side of the street has a gap where a future street crossing has yet to be completed, as development in this area is not currently planned.
- 2) Burch Street - The sidewalk on the South side of Burch street has two gaps from Bradley St to Recker Motor Sports and from Recker

Motor Sports to Adams St.  
3) Crawford Road south of Broomfield Road - There is a gap in the sidewalk from the WestPoint Village apartments to Broomfield Road. This apartment development is disconnected from existing sidewalk.

A 2% Tribal contribution of \$89,000 will allow us to fill in the gaps and complete these sidewalk locations in highly traveled pedestrian areas.

## Benefit Description

The Crosslanes Street sidewalk section will benefit the community along with Mt. Pleasant Public Schools, as this sidewalk is a direct connection to Mary McGuire Elementary School. This section of sidewalk is highly traveled, especially by elementary students during the school year.

The Burch Street sidewalk section will benefit the community along with Mt. Pleasant Public Schools, as this sidewalk is near the Mill Pond Park and is a connecting path for students and West Intermediate school. It is also a connection to residential areas and businesses along High Street.

Crawford Road sidewalk section will benefit the community along with Central Michigan University, as this sidewalk is a direct connection from the WestPoint Village apartments and Central Michigan University. Crawford Road is a highly traveled roadway that also sees higher speeds, the addition of a sidewalk in this location would help to provide safety to the pedestrian traveling this stretch of road.

## Funding Requirements

None

## Project Timeline

Summer of 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Traffic Control	\$7,000.00	1	\$7,000.00	Safety/Security
Work Items	\$82,000.00	1	\$82,000.00	Safety/Security
AmountRequested	\$89,000.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$89,000.00

### Amount Matched

\$0.00

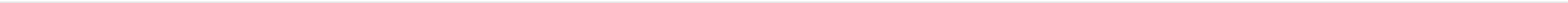
### Total Amount

\$89,000.00

# Uploaded Files

Name
No files have been uploaded.

There are no comments to display.



# Overview

**Project Name**  
Food Waste/ Organics Receiving

**Total Requested**  
\$300,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Environmental
- Infrastructure

# Project Description

The City of Mt. Pleasant, Water Resource Recovery Team, worked with professors and a senior design team from CMU to pilot receiving food waste into our anaerobic digesters to study the effects of increased organics on gas production. Based on this data and other research, the City of Mt Pleasant envisions constructing a food/organic waste receiving station to accept food waste from CMU and other establishments in the community. The food waste receiving station will properly prepare the food waste and pump it into our anaerobic digester for treatment.

In 2022, the WRRF team participated in a Next Cycle I2P3 challenge track through which \$500,000 in funding from EGLE was pledged to move forward with the project. Our engineering firm’s probable opinion was a total package price of \$800,000 for which we are seeking additional funding.



## Benefit Description

This project will benefit the tribe and community by providing a local area for disposal of food and organic waste while contributing to a circular economy. Diverting food waste away from landfills and repurposing it as feedstock for our existing digesters reduces methane production from landfills, lowers natural gas usage, our carbon footprint, and produces a beneficially reusable bio-solid that can be directly applied to fields as a soil amendment.

## Funding Requirements

None.

## Project Timeline

Anticipated start date on this project is 3rd or 4th quarter of 2023.

## Budget Items

Name	Cost	Quantity	Total	Category
Food Waste Receiving Equipment	\$300,000.00	1	\$300,000.00	Infrastructure
AmountRequested	\$300,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Food Waste Receiving Equipment (NextCycle Grant)	\$500,000.00	1	\$500,000.00
AmountMatched	\$500,000.00		

## Budget Summary

### Amount Requested

\$300,000.00

### Amount Matched

\$500,000.00

### Total Amount

\$800,000.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**

Lime Disposal

**Total Requested**

\$215,000.00

(amount based on the Itemized Budget total)

**Applicant Project Priority**

High

**Reoccurring Need?**

Not Reoccurring

# Applicant Information

**Applicant Name**

[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**

Jason Moore

**Organization**

City of MtPleasant

**Address**

320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**

9897795405

# Organization Information

**Primary Organization**

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**Authorizers**

[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**

Review

**Address**

320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**

(989) 779-5300

**Fax**

# Categories

- Environmental
- Infrastructure

# Project Description

The water treatment plant softens water using a chemical precipitation process. Lime residual is produced as part of this treatment process. This is a required and ongoing project.

# Benefit Description

This is a project that must be completed to ensure continued ability to produce softened drinking water. Lime residual removal is required every 3-5 years depending on the amount produced per year. Additional funding would allow us to remove an amount in 2023 to make up for the lack of removal caused by increased costs realized since 2019.

# Funding Requirements

This project is apart of an ongoing Asset Management Program that is funded by the Capitol Improvement Planning process.

The city was previously awarded a 2% grant in 2021 for lime residual removal.

## Project Timeline

Spring-summer of 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Lime Disposal	\$215,000.00	1	\$215,000.00	Environmental
AmountRequested	\$215,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Lime Disposal	\$429,000.00	1	\$429,000.00
AmountMatched	\$429,000.00		

## Budget Summary

### Amount Requested

\$215,000.00

### Amount Matched

\$429,000.00

### Total Amount

\$644,000.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**  
Asphalt Overlays and Street Resurfacing

**Total Requested**  
\$577,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Infrastructure
- Transportation

# Project Description

Each year, the City’s Engineering Department completes an evaluation of all streets within the City limits. This evaluation determines the maintenance needed to restore the streets to a good quality surface. Many streets require preventative maintenance to improve their condition and prevent further deterioration. If the streets are left unattended, they will eventually need to be reconstructed. For every mile of street that must be reconstructed, nearly nine miles can be overlaid for the same cost. With a 2% contribution by the Saginaw Chippewa Indian Tribe, the City's overlay program can continue into the future.

## Benefit Description

The City's thin overlay program allows us to stay on top of maintenance in our street system. Thin overlay are one of the most cost effect treatments in the "mix of fixes" that we use and being able to fund the program fully means that we can incorporate full reconstructs into our capital improvement plan as the need arises. Any funding provided helps ensure that our street maintenance program continues at a sustainable pace.

## Funding Requirements

The City's thin overlay program is on going with projects of various size and location happening roughly every other year.

## Project Timeline

Summer of 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Major Street Overlays	\$427,000.00	1	\$427,000.00	Transportation
Local Street Overlays	\$150,000.00	1	\$150,000.00	Transportation
AmountRequested	\$577,000.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$577,000.00

### Amount Matched

\$0.00

### Total Amount

\$577,000.00

## Uploaded Files

Name
<a href="#">2023ThinOverlayProjectBidTab_2023-03-07.pdf</a>
<a href="#">12023ThinOverlayCityWideMap_2023-03-07.pdf</a>

There are no comments to display.

**City of Mt. Pleasant, Michigan**  
**2023 Thin Overlay Project**

Central Asphalt, Inc.  
900 S. Bradley St.  
Mt. Pleasant, MI 48858

**Accessibility Items**

**Division I - Major Streets**

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Minor Traffic Devices	1	LS	\$ 34,870.62	\$ 34,870.62
Pavt. Rem, Modified	81	Syd	\$ 20.00	\$ 1,620.00
Curb and Gutter, Rem	362	LFT	\$ 20.00	\$ 7,240.00
Sidewalk, Rem	456	Syd	\$ 15.00	\$ 6,840.00
Erosion Control, Inlet Protection, Filter Bag	9	Ea	\$ 150.00	\$ 1,350.00
Subbase, CIP	42	Cyd	\$ 15.00	\$ 630.00
Curb and Gutter, Conc, Det F4, Modified	178	Ft	\$ 40.00	\$ 7,120.00
Curb Ramp Opening, Conc, Modified	184	Ft	\$ 40.00	\$ 7,360.00
Detectable Warning Surface, Modified	216	Ft	\$ 80.00	\$ 17,280.00
Sidewalk Ramp, Conc, 6 inch	3,283	Sft	\$ 12.00	\$ 39,396.00
Sidewalk, Conc, 4 inch	690	Sft	\$ 8.50	\$ 5,865.00
Sidewalk, conc, 6 inch, CMU, Standard Duty	821	Sft	\$ 11.00	\$ 9,031.00
Aggregate Base, MDOT 22A CIP 6 inch CMU	91	Syd	\$ 15.00	\$ 1,365.00
Hand Patching	16	TON	\$ 400.00	\$ 6,400.00
Dr Structure Cover Adj. Case 1	50	Ea	\$ 394.99	\$ 19,749.50
Dr Structure Cover SAN, Modified	6	Ea	\$ 1,269.92	\$ 7,619.52
Dr Structure Cover STM, Modified	8	Ea	\$ 1,269.92	\$ 10,159.36
HMA, Ultra-Thin, Medium Volume	2,400	Ton	\$ 97.15	\$ 233,160.00
Pavt Mrkg, Waterborne, 4 inch, Yellow	7,040	Ft	\$ 0.10	\$ 704.00
Pavt Mrkg, Waterborne, 4 inch, White	15,967	Ft	\$ 0.10	\$ 1,596.70
Pavt Mrkg, Waterborne, 4 inch, Yellow, Restricted Area	180	Ft	\$ 2.00	\$ 360.00
Pavt Mrkg, Waterborne, 4 inch, White, Restricted Area	329	Ft	\$ 1.00	\$ 329.00
Pavt Mrkg, Waterborne, 12 inch, White, Crosswalk, Special				
Emphasis	814	Ft	\$ 2.00	\$ 1,628.00
Pavt Mrkg, Waterborne, 4 inch, White, Crosswalk	401	Ft	\$ 1.00	\$ 401.00
Pavt Mrkg, Waterborne, 24 inch, White, Stop Bar	205	Ft	\$ 3.00	\$ 615.00
Pavt Mrkg, Waterborne, Right and Thru Arrow	3	Ea	\$ 75.00	\$ 225.00
Pavt Mrkg, Waterborne, Right Arrow	3	Ea	\$ 50.00	\$ 150.00
Pavt Mrkg, Waterborne, Left Arrow	4	Ea	\$ 50.00	\$ 200.00
Pavt Mrkg, Waterborne, Shared Lane Symbol	10	Ea	\$ 40.00	\$ 400.00
Pavt Mrkg, Waterborne, Small Bike Lane Symbol (6 ft)	23	Ea	\$ 35.00	\$ 805.00
Pavt Mrkg, Waterborne, Smalle Bike Lane Arrow (6 ft)	23	Ea	\$ 35.00	\$ 805.00
Pavt Mrkg, Waterborne, STOP AHEAD	2	EA	\$ 150.00	\$ 300.00
Restoration, Modified	559	Ft	\$ 3.00	\$ 1,677.00
<b>TOTAL - DIVISION I</b>			<b>\$</b>	<b>427,251.70</b>



**Division II - Local Streets**

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Dr Structure Cover Adj. Case I	26	EA	\$ 394.99	\$ 10,269.74
Dr Structure Cover SAN, Modified	1	EA	\$ 1,269.92	\$ 1,269.92
Dr Structure Cover STM, Modified	1	Ea	\$ 1,269.92	\$ 1,269.92
HMA, Ultra-Thin, Medium Volume	1,194	Ton	\$ 115.55	\$ 137,966.70

**TOTAL - DIVISION II** \$ **150,776.28**

**Division III - Mission DDA Alleys**

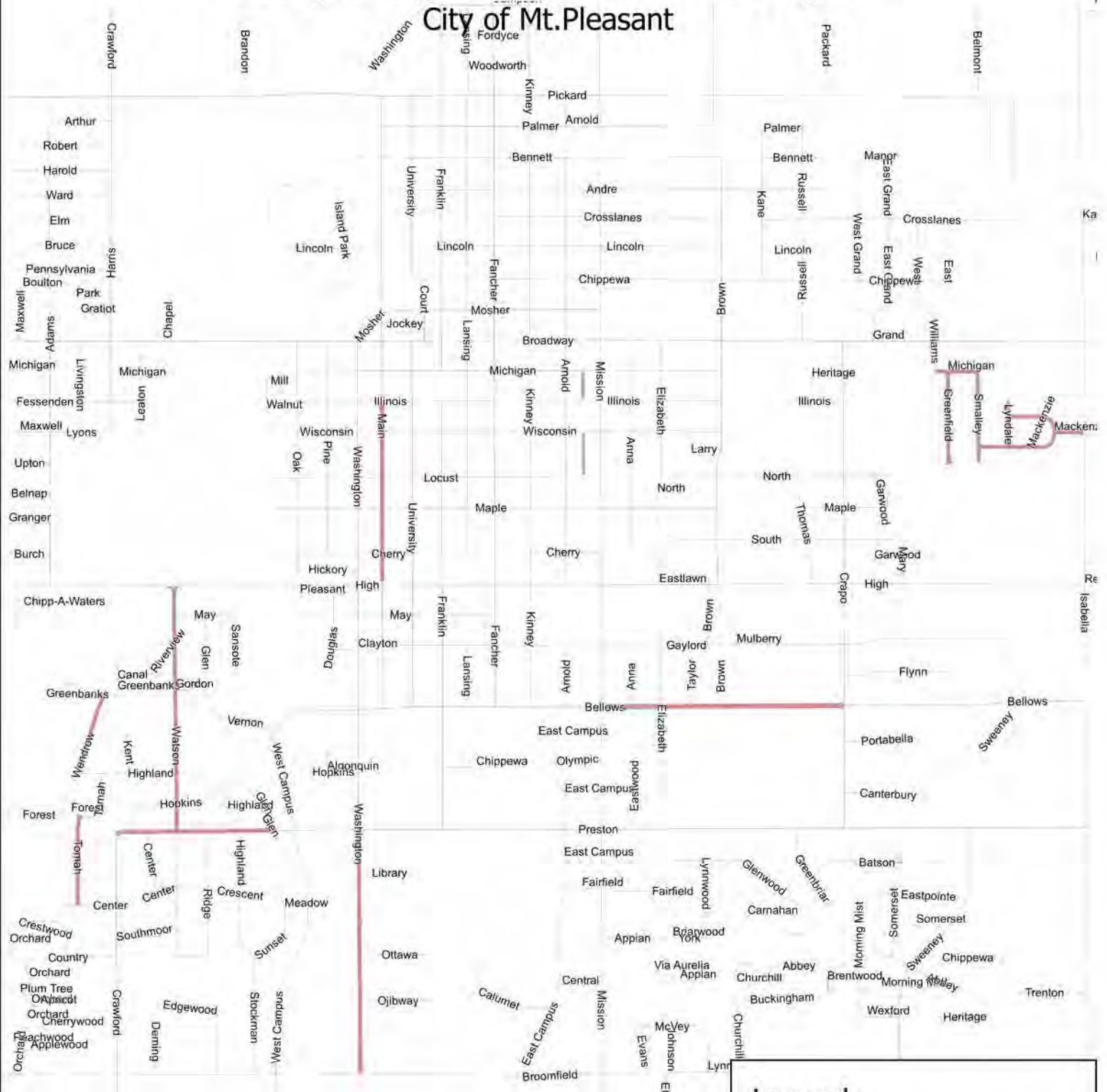
ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Dr Structure Cover SAN, Modified	1	EA	\$ 1,269.92	\$ 1,269.92
HMA, Ultra-Thin, Medium Volume	74	Ton	\$ 140.81	\$ 10,419.94
HMA, 13A (Scratch Coat)	31	Ton	\$ 140.81	\$ 4,365.11

**TOTAL - DIVISION III** \$ **16,054.97**

**TOTAL BID** \$ **594,082.95**

# City Map of 2023 Overlays

City of Mt. Pleasant



## Legend

 Overlay Locations



Public Works Mt. Pleasant  
Expanding Horizons



Published: Dec-14-2022  
\\compile\GIS\Departmental

# Overview

**Project Name**  
Pickard and Bradley Traffic Signal

**Total Requested**  
\$84,100.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
High

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Safety/Security

# Project Description

This project will install a new traffic signal at the intersection of Bradley and Pickard Streets.

# Benefit Description

Early in 2022 the Isabella County Road Commission received notice of grant funding available to install a traffic signal at the intersection of Pickard and Bradley Streets. The county engineer has determined that the intersection meets warrants and that a signal would be an appropriate upgrade for the intersection.

The grant will cover just over half the project cost. Since the intersection includes two city street segments, the City will be covering 50% of the excess costs. This expense was not in the City’s Capital Improvement Plan, so it is challenging to incorporate this cost share into our budget. Funding through a Tribal 2% grant will ensure that our portion of the project is covered.

## Funding Requirements

Routine maintenance will be covered by the operations budget.

## Project Timeline

Summer of 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Pickard and Bradley Traffic Signal	\$84,100.00	1	\$84,100.00	Safety/Security
AmountRequested	\$84,100.00			

## Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

## Budget Summary

### Amount Requested

\$84,100.00

### Amount Matched

\$0.00

### Total Amount

\$84,100.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**  
Pickard Storm Sewer

**Total Requested**  
\$208,500.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
High

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Infrastructure

# Project Description

This request is for funding to upsize large-diameter storm sewer structures at the Pickard and Brown Street intersection. A large trunk line storm sewer that serves much of the east side of the City of Mt. Pleasant runs down Brown Street and crosses Pickard Street. Based on the analysis provided by the Multi-Jurisdictional Stormwater Master Plan that was accomplished with a previous two-percent grant, this trunk line sewer will need upgrading to provide adequate service to the upstream areas.

MDOT will be reconstructing Pickard Street in 2023-2024 and incorporating storm work into the project at that time will save significant costs associated with traffic control and contractor mobilization. The engineering consultant has incorporated the upsizing into the plans and MDOT is prepared to do the work if provided funding from the City.

## Benefit Description

This project will allow for future upgrades to the stormwater collection system in order to meet the demands of future storm events.

## Funding Requirements

Future funding requirements for operations and maintenance of the stormwater infrastructure are roughly equal to that of the current infrastructure.

## Project Timeline

Not Entered

## Budget Items

Name	Cost	Quantity	Total	Category
Work Items	\$183,500.00	1	\$183,500.00	Infrastructure
Mobilization	\$20,000.00	1	\$20,000.00	Infrastructure
Traffic Control	\$5,000.00	1	\$5,000.00	Infrastructure
AmountRequested	\$208,500.00			

## Matching Funds

Name	Cost	Quantity	Total
Work Items	\$183,500.00	1	\$183,500.00
Mobilization	\$20,000.00	1	\$20,000.00
Traffic Control	\$5,000.00	1	\$5,000.00
AmountMatched	\$208,500.00		

## Budget Summary

### Amount Requested

\$208,500.00

### Amount Matched

\$208,500.00

### Total Amount

\$417,000.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.



# Overview

**Project Name**  
Screening and Debris Removal Odor Control and Rehabilitation

**Total Requested**  
\$16,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Critical

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Environmental
- Infrastructure

# Project Description

The City of Mt. Pleasant Water Resource Recovery Facility utilizes a Flex Rake for screening and debris removal which occurs at the head of the plant. The screening removal equipment protects critical infrastructure from damages caused by blockages in pipes and pumps. Currently the flex rake, which also includes a washer/compactor to dewater the rags, is in need of rehabilitation to replace both gearboxes and motors that operate the equipment in each unit. Upon routine inspections, an obstruction which caused a hole in the drive assembly was discovered which could potentially lead to failure in the future. In addition, our goal is to purchase and install a bagger unit to help with odor control. These modifications and upgrades to the Flex Rake system will prolong the life of the equipment and help in the effort to reduce obnoxious odors at the treatment facility.

## Benefit Description

Maintaining this critical infrastructure will benefit the local community by providing up to date processes critical to the treatment of water returned to the Chippewa Watershed, and by reducing the potential of sewer backups. Additionally, the community will benefit from odor reduction while protecting the health of the community, and environment in times of heavy flows and emergencies.

## Funding Requirements

None.

## Project Timeline

Project completion is anticipated in the summer of 2023.

## Budget Items

Name	Cost	Quantity	Total	Category
Drive Assembly	\$14,000.00	1	\$14,000.00	Infrastructure
Bagger Unit	\$2,000.00	1	\$2,000.00	Infrastructure
AmountRequested	\$16,000.00			

## Matching Funds

Name	Cost	Quantity	Total
Compactor Motor and Gearbox	\$8,000.00	1	\$8,000.00
Flex Rake Motor and Gearbox	\$8,000.00	1	\$8,000.00
AmountMatched	\$16,000.00		

## Budget Summary

### Amount Requested

\$16,000.00

### Amount Matched

\$16,000.00

### Total Amount

\$32,000.00

## Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**  
Sidewalk Replacement

**Total Requested**  
\$150,000.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Low

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Infrastructure

# Project Description

Each year the City invests in maintenance of the sidewalk system. Focus is generally placed on identifiable hazards such as large obstacles and trees blocking sidewalk paths, small lips and cracks, pocketing water and spalling. Replacement sidewalks are built to coincide with planned street and water main replacement projects.

This project would replace sidewalk in various locations within the city.

# Benefit Description

Since 1996, sidewalk has been replaced each year throughout the City. The Division of Public Works has created a sidewalk rating system so that the sidewalk replacement list can be prioritized and this project would address the worst sidewalk within the city.

# Funding Requirements

Sidewalk replacement is an ongoing expense.

# Project Timeline

Summer - 2023

# Budget Items

Name	Cost	Quantity	Total	Category
Sidewalk Replacement - Various Locations	\$150,000.00	1	\$150,000.00	Infrastructure
AmountRequested	\$150,000.00			

# Matching Funds

Name	Cost	Quantity	Total
No Matching Funds items have been added.			
AmountMatched	\$0.00		

# Budget Summary

## Amount Requested

\$150,000.00

## Amount Matched

\$0.00

## Total Amount

\$150,000.00

# Uploaded Files

Name
No files have been uploaded.

There are no comments to display.

# Overview

**Project Name**  
Storm Sewer Extension

**Total Requested**  
\$82,050.00  
(amount based on the Itemized Budget total)

**Applicant Project Priority**  
Medium

**Reoccurring Need?**  
Not Reoccurring

# Applicant Information

**Applicant Name**  
[jmoore@mt-pleasant.org](mailto:jmoore@mt-pleasant.org)

**Applicant Email**  
Jason Moore

**Organization**  
City of MtPleasant

**Address**  
320 W Broadway St  
MOUNT PLEASANT , 48858

**Phone Number**  
9897795405

# Organization Information

**Primary Organization**  
City of Mt. Pleasant

**Authorizers**  
[adesentz@mt-pleasant.org](mailto:adesentz@mt-pleasant.org)

**Status**  
Review

**Address**  
320 W. Broadway  
Mount Pleasant, Michigan 48858

**Phone**  
(989) 779-5300

**Fax**

# Categories

- Infrastructure
- Safety/Security
- Transportation

# Project Description

This project will extend six-inch pipe to various properties around the city that do not currently have direct access to the storm water collection system. These pipes would be utilized for sump pump connections, alleviating strain on the sanitary sewer collection system, Water Resource Recovery Facility, and improving the streets.

A storm sewer extension project is currently planned for the 2023 construction season on Anna Street. Additional locations have been identified for future projects.

A 2% Tribal contribution of \$82,050, with matching funds from the City of Mt. Pleasant, will allow us to install the new storm sewer extension.

## Benefit Description

State law dictates that sump pumps cannot be connected to the sanitary sewer system. When property owners in the city upgrade or renovate their properties, many times it requires plumbing upgrades to meet current codes. In recent years, there have been a number of residential properties that have had sump pump effluent run from front yards to the street, as there is no other mechanism to remove the groundwater. This results in varying degrees of street icing in the winter, depending on conditions.

Sump pumps connected to the sanitary sewer system can cause backups of the sanitary sewer system during storm events. A stormwater master plan was recently completed with funding from a previous 2% grant and verified that compacity exists within the stormwater collection system for sump pumps. This project provides for the extension of drains for storm and ground water so that residents can disconnect sump pumps from the sanitary sewer system.

## Funding Requirements

None

## Project Timeline

Summer 2023

## Budget Items

Name	Cost	Quantity	Total	Category
Storm Sewer Extension	\$82,050.00	1	\$82,050.00	Infrastructure
AmountRequested	\$82,050.00			

## Matching Funds

Name	Cost	Quantity	Total
Storm Sewer Extension	\$82,050.00	1	\$82,050.00
AmountMatched	\$82,050.00		

## Budget Summary

### Amount Requested

\$82,050.00

### Amount Matched

\$82,050.00

### Total Amount

\$164,100.00

## Uploaded Files

Name
<a href="#">2023 Bid Tab</a>
<a href="#">Design Drawings</a>



There are no comments to display.

---

**City of Mt. Pleasant, Michigan**  
**2023 Storm Sewer Extension Project**

G.A. Hunt Excavating, LLC  
 1220 E. Taft Rd.  
 St. Johns, MI 48879

The Isabella Corporation  
 2201 Commerce St.  
 Mt. Pleasant, MI 48858

ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
Pavt, Rem, Modified	3	Syd	\$ 350.00	\$ 1,050.00
Curb and Gutter, Rem	10	Lft	\$ 24.20	\$ 242.00
Sidewalk, Rem	8	Syd	\$ 93.78	\$ 750.24
Erosion Control, Filter Bag	12	Ea	\$ 60.00	\$ 720.00
Curb Ramp Opening, Conc, Modified	10	Lft	\$ 30.47	\$ 304.70
Sidewalk Ramp, Conc, 6 inch	72	Sft	\$ 11.98	\$ 862.56
Detectable Warning Surface, Modified	5	Ft	\$ 170.00	\$ 850.00
Sewer, HDPE, 6 inch, Bored	1438	Lft	\$ 66.83	\$ 96,101.54
Sewer Service Lead, 6 inch, Bored	13	Ea	\$ 2,980.00	\$ 38,740.00
Cap, 6 inch	20	Ea	\$ 525.00	\$ 10,500.00
Sewer, Tap, 6 inch	5	Ea	\$ 1,340.00	\$ 6,700.00
Sewer Conn, 6 inch	2	Ea	\$ 1,550.00	\$ 3,100.00
Hand Patching	1	Ton	\$ 500.00	\$ 500.00
Restoration, Modified	23	Sta	\$ 160.00	\$ 3,680.00
<b>TOTAL BID</b>				<b>\$ 164,101.04</b>

UNIT PRICE	AMOUNT
\$ 50.00	\$ 150.00
\$ 50.00	\$ 500.00
\$ 50.00	\$ 400.00
\$ 150.00	\$ 1,800.00
\$ 50.00	\$ 500.00
\$ 20.00	\$ 1,440.00
\$ 150.00	\$ 750.00
\$ 110.00	\$ 158,180.00
\$ 5,000.00	\$ 65,000.00
\$ 200.00	\$ 4,000.00
\$ 1,000.00	\$ 5,000.00
\$ 1,000.00	\$ 2,000.00
\$ 1,000.00	\$ 1,000.00
\$ 1.00	\$ 23.00
	<b>\$ 240,743.00</b>

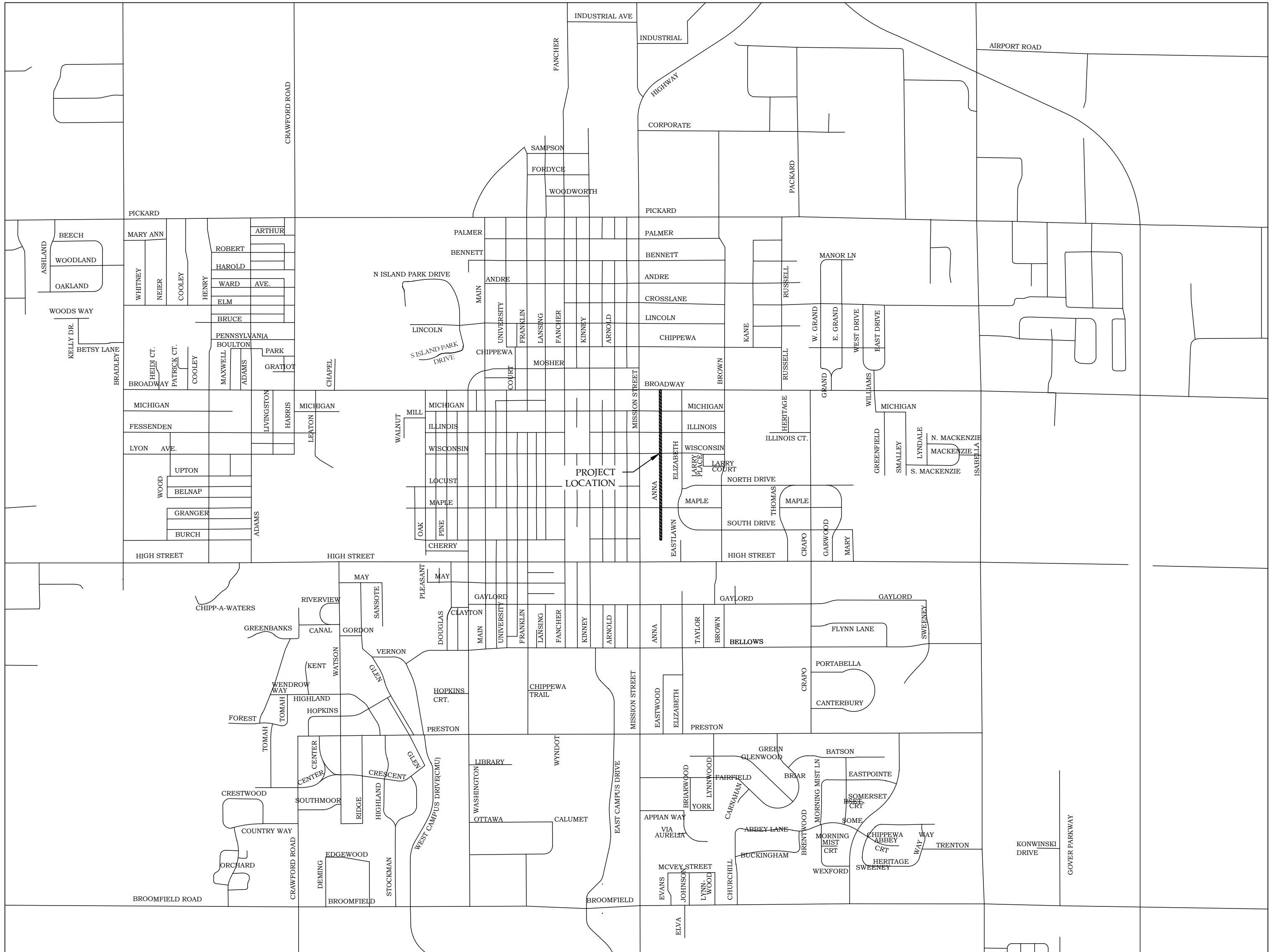
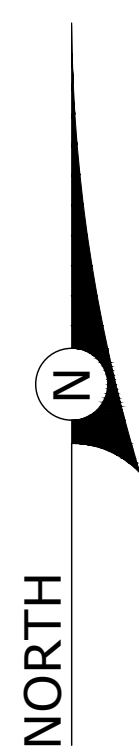
# CITY OF MT. PLEASANT

## DIVISION OF PUBLIC WORKS

### 2023 STORM SEWER EXTENSION PROJECT

#### SHEET INDEX

1. COVER SHEET
2. DETAIL SHEET
3. STA. 0+00 - 5+00 PLAN
4. STA. 5+00 - 10+00 PLAN
5. STA. 10+00 - 13+50 PLAN
6. STA. 13+50 - 16+50 PLAN
7. STA.16+50 - 20+00 PLAN
8. STA. 20+00 - 23+25 PLAN
9. SOIL EROSION AND SEDIMENTATION CONTROL KEY



### CITY OF MT. PLEASANT, MICHIGAN

MAYOR  
AMY PERSCHBACHER

COMMISSIONERS  
BOOMER WINGARD  
BRIAN ASSMANN  
BRYAN CHAPMAN  
MARY ALSAGER  
MAUREEN EKE  
ELIZABETH BUSCH

CITY MANAGER  
AARON DESENTZ

DIRECTOR OF PUBLIC WORKS  
JASON MOORE

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

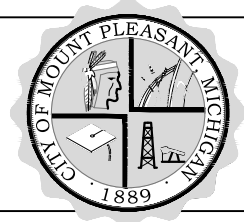
THE PROPOSED IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH THE AASHTO, A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2011, & 2009 MMUTCD.

MISS DIG: CALL TOLL FREE 1-800-482-7171 MINIMUM OF THREE WORKING DAYS BEFORE STARTING THIS PROJECT, OR ANY DIGGING.

UTILITIES:  
THE FOLLOWING UTILITIES ARE LOCATED IN OR NEAR THE RIGHT-OF-WAY OF THIS PROJECT.

UTILITY	OWNER	CONTACT
GAS	DTE/MICHCON 609 BJORNSON BIG RAPIDS, MI 49307	LARRY BOURKE (231) 349-2364 (CELL) (231) 592-3244 (DESK)
ELECTRIC	CONSUMERS ENERGY 1 CONSUMERS ENERGY PKWY CLARE, MI 48617	ERICA BAUMANN (517) 285-4629
TELEPHONE	FRONTIER COMMUNICATION 345 PINE STREET ALMA, MI 48801	DOUG HOVEY (989) 285-5192 (CELL) (989) 463-5497 (DESK)
TELEPHONE	WINNTEL COMMUNICATIONS 402 N MISSION ST, SUITE 1 MT. PLEASANT, MI 48858	MONTIE SMITH (989) 289-8455 (CELL) (989) 953-9800 (OFFICE)
CABLE	CHARTER COMMUNICATION 915 E. BROOMFIELD RD. MT. PLEASANT, MI 48858	BYRON CARROLL (989) 621-0505
CABLE	CMS INTERNET 131 S MAIN ST MT. PLEASANT, MI 48858	BRETT HALLIHAN (989) 330-9140
SEWER & WATER	CITY OF MT. PLEASANT 1303 N. FRANKLIN ST. MT. PLEASANT, MI 48858	ROBYN LIPTOW (989) 779-5407
CMU CONTACT	CMU PLANT ENGINEERING AND PLANNING MT. PLEASANT, MI 48858	JEN FLACHS (989) 774-6404

CALL MISS DIG  
BEFORE DIGGING UNDERGROUND OR  
WORKING NEAR OVERHEAD WIRES.  
CALL MISS DIG AT LEAST 3 BUSINESS  
DAYS IN ADVANCE OF STARTING YOUR  
PROJECT. (800) 482-7171  
IT'S THE LAW



CITY OF MOUNT PLEASANT  
DIVISION OF PUBLIC WORKS  
320 W. BROADWAY  
MT. PLEASANT, MICHIGAN 48858  
(989)-779-5401  
WWW.MT-PLEASANT.ORG

COVER SHEET  
2023 STORM SEWER EXTENSION  
ANNA STREET

DESIGN BY **ES**  
DRAWN BY **ES**  
CHECKED BY **ST**  
APPROVED BY **JM**

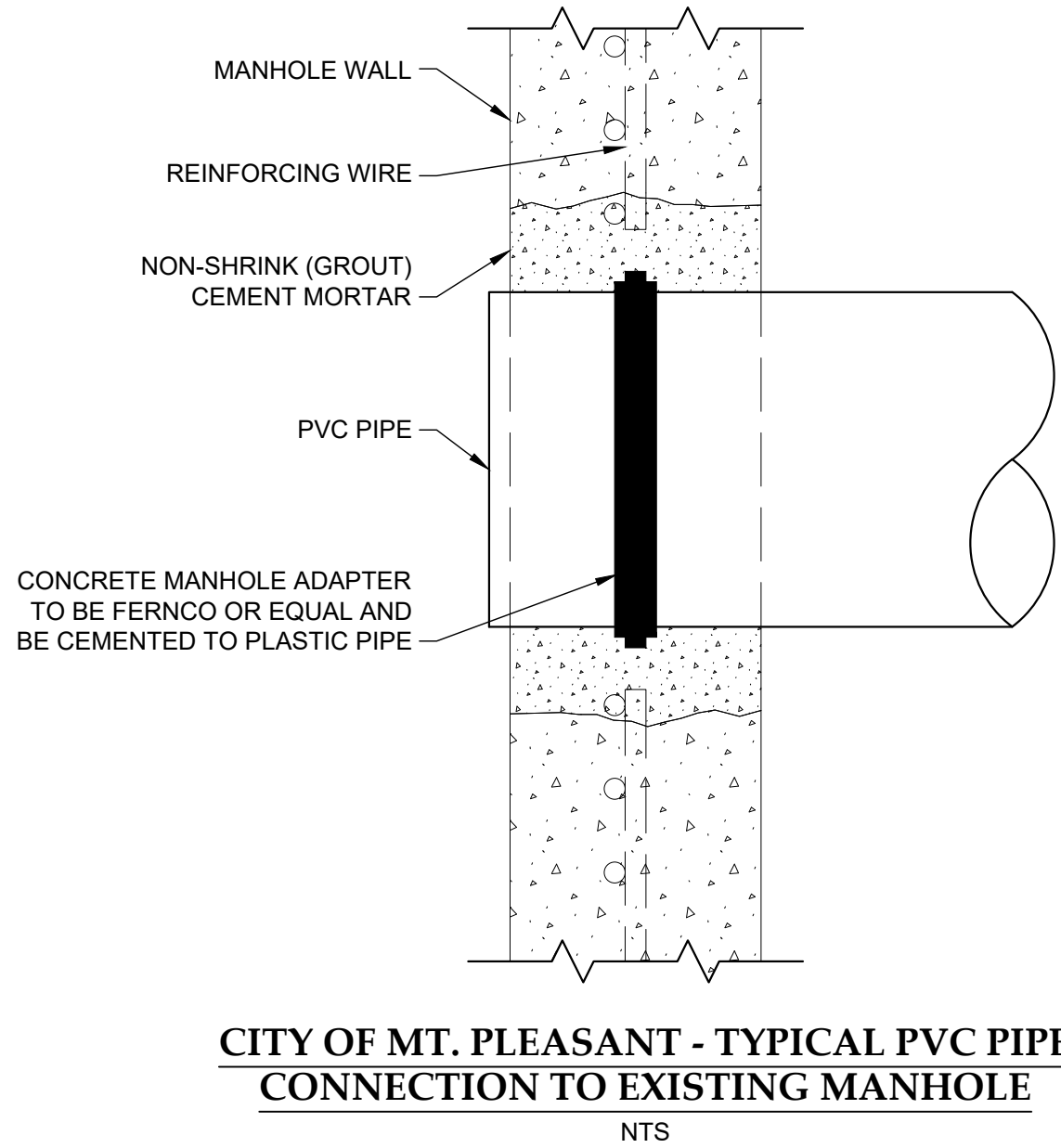
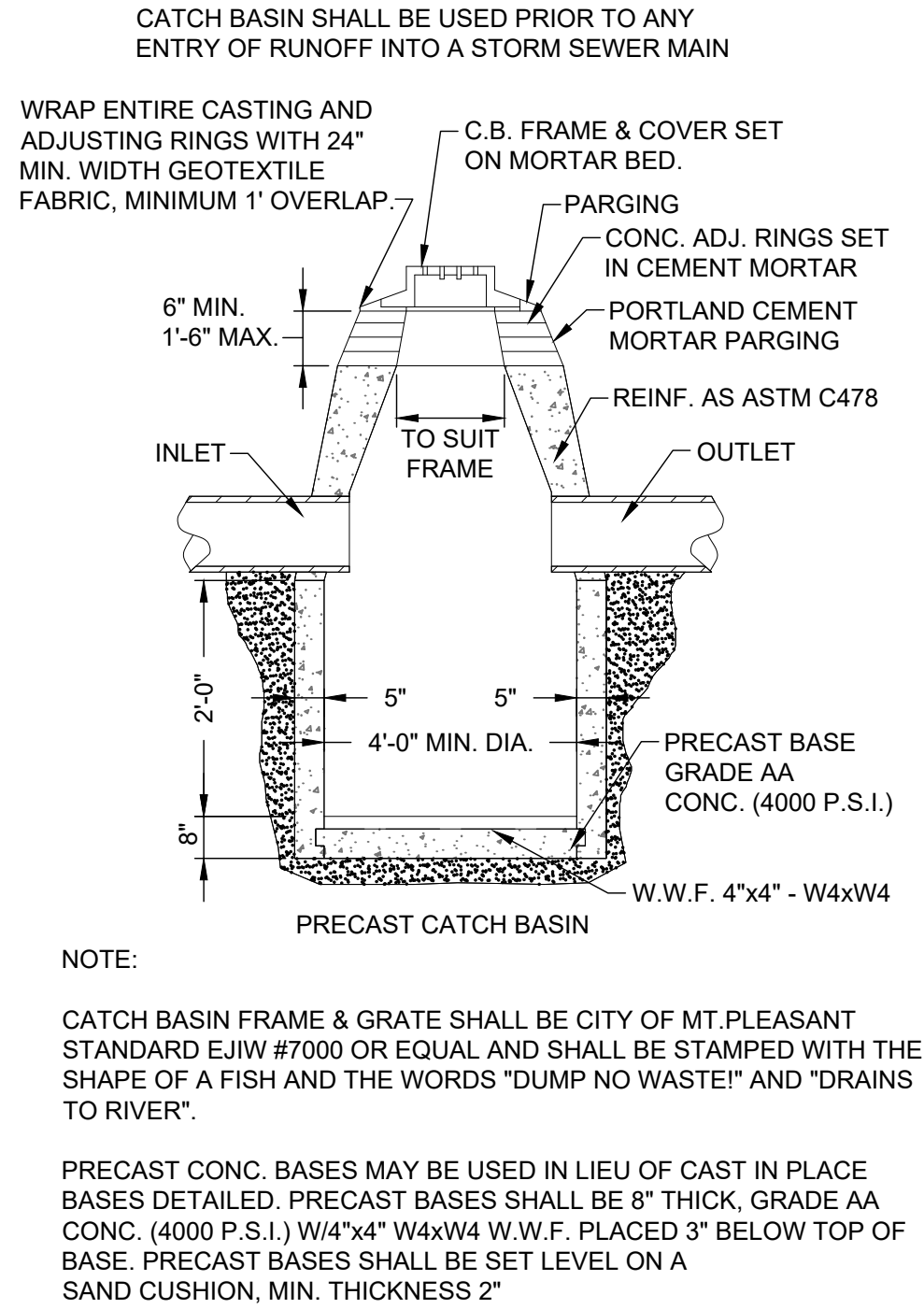
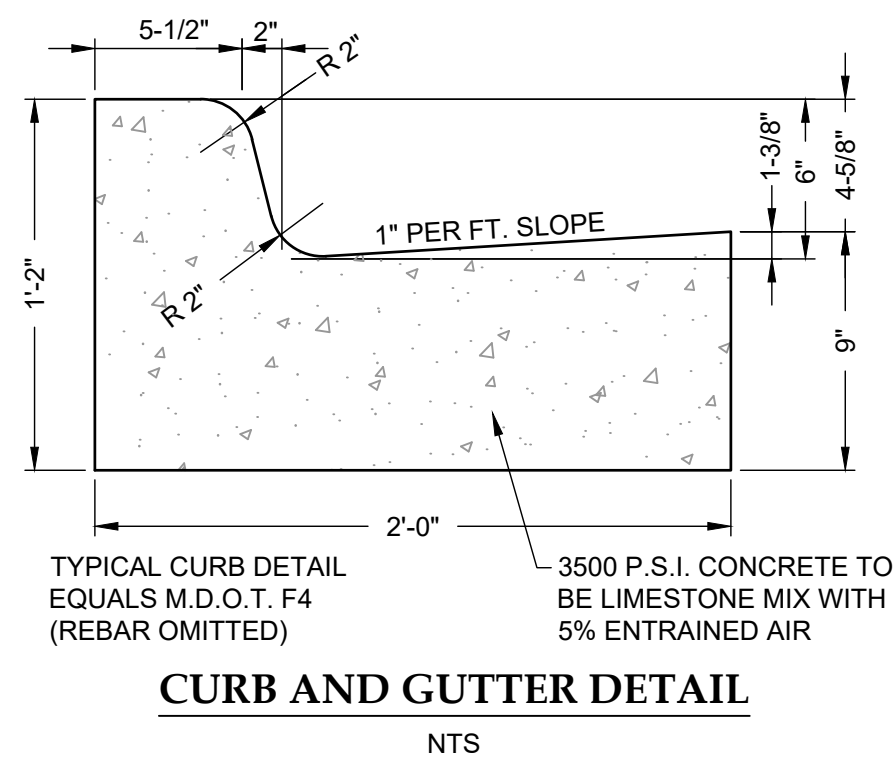
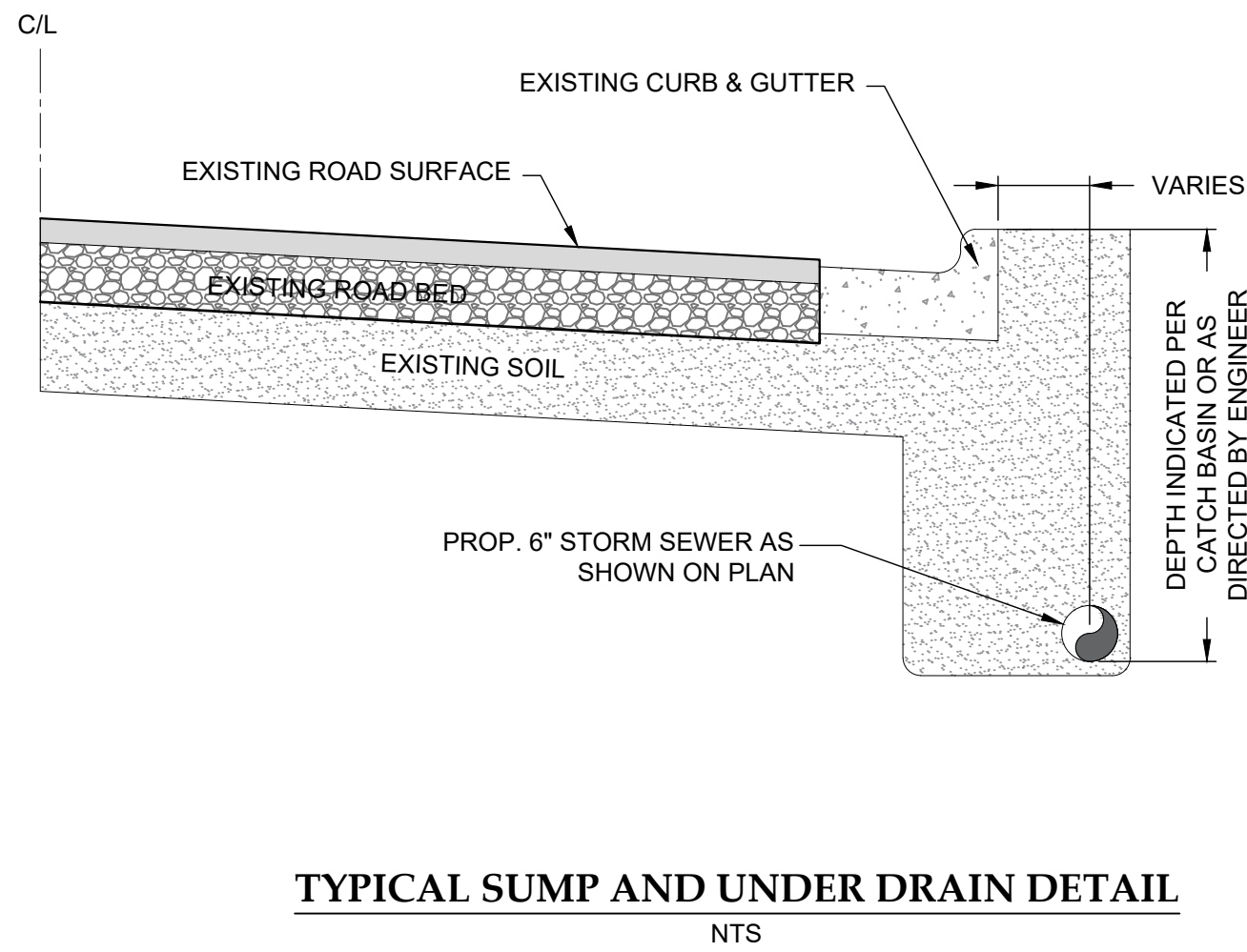
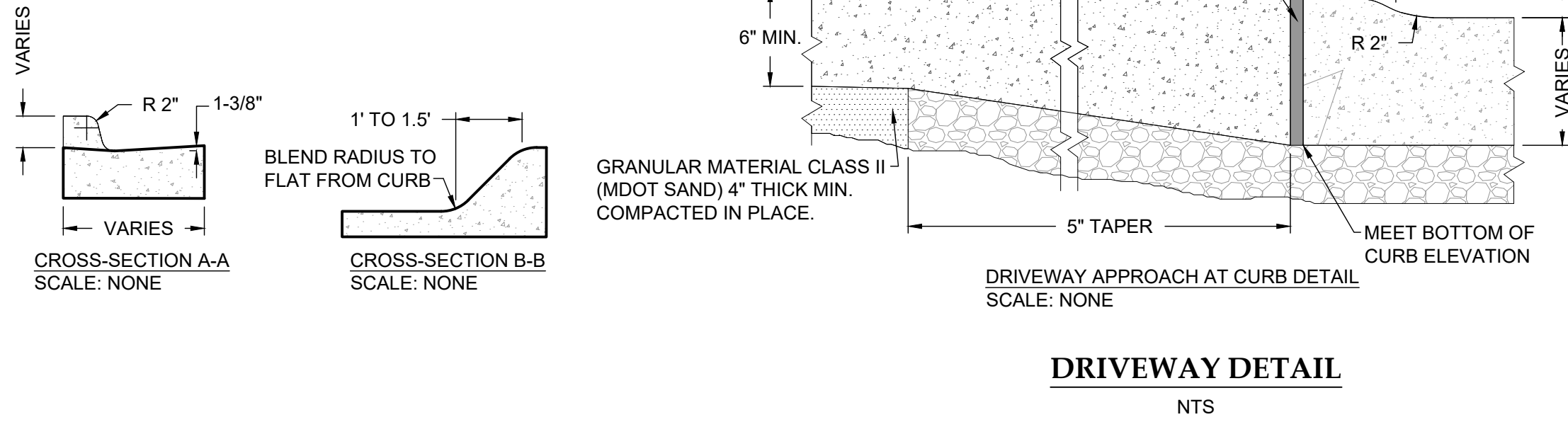
CONSTRUCTED  
DATE OF PLAN **JAN 2023**  
SCALE **NTS**  
SHEET **1** OF **9** SHEETS

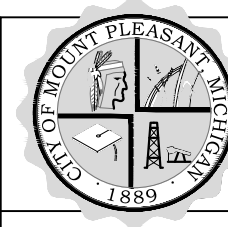
REVISIONS  
DATE/INITIALS

CONTROL SECT. JOB NO. FED. PROJECT FED. ITEM NO.

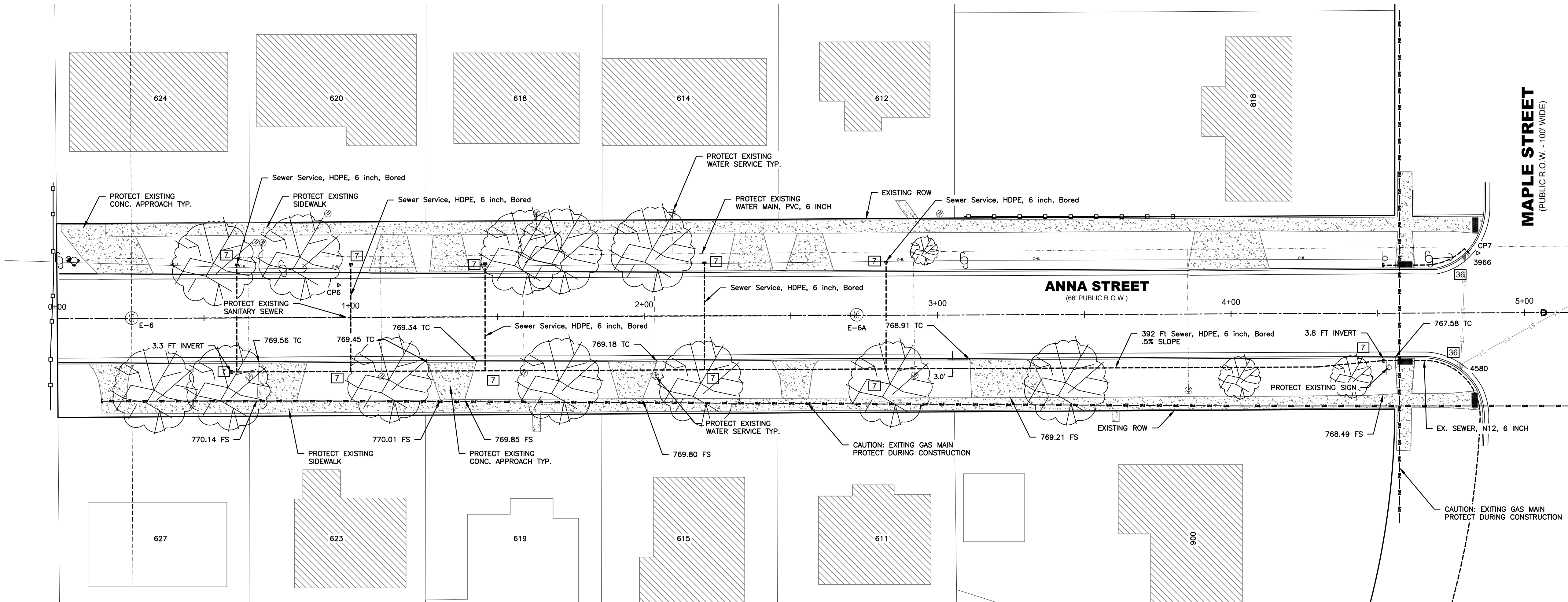
PLOT DATE:

- NOTE:
1. THE SAME DRIVE DETAIL WILL BE REQUIRED WHERE THE GUTTER PAN HAS BEEN OVERLAYED WITH ASPHALT. A TEMPORARY BITUMINOUS PATCH MAY BE NECESSARY OVER A PORTION OF THE DRIVE APPROACH TO MAINTAIN A PROPER PROFILE FOR DRAINAGE.
  2. 1/2" EXPANSION JOINT MATERIAL (FILLER) TO BE PLACED AT ALL POINTS WHERE NEW CONCRETE ABUTS EXISTING CONCRETE.
  3. SIDEWALK MUST BE A MINIMUM OF 5 FEET WIDE AND 6" DEEP AT DRIVEWAY TO 1' EACH SIDE. SIDEWALK MUST BE REPLACED IF IT DOES NOT MEET THIS SPECIFICATION. REFER TO SIDEWALK DETAIL. SIDEWALK REPLACEMENT WILL REQUIRE A SIDEWALK R-O-W PERMIT.
  4. MAXIMUM DRIVEWAY SLOPE 10%. SIDEWALK ELEVATION MAY NEED BE ADJUSTED.
  5. CONCRETE DRIVE APPROACH IN R.O.W. MIN. DEPTH IS 6". RESIDENTIAL ASPHALT DRIVEAPPLICATION RATE IS 275LBS/SYD
  6. CURBS & GUTTER SHALL BE REMOVED AND REPLACED WITH A GUTTER SHOWN IN SECTION AA, BB.



		CITY OF MOUNT PLEASANT DIVISION OF PUBLIC WORKS 320 W. BROADWAY MT. PLEASANT, MICHIGAN 48858 (989)-779-5401 WWW.MT-PLEASANT.ORG	
DETAIL SHEET <b>2023 STORM SEWER EXTENSION</b> <b>ANNA STREET</b>			
DESIGN BY <b>ES</b>	CHECKED BY <b>ST</b>	APPROVED BY <b>JM</b>	CONSTRUCTED DATE OF PLAN <b>JAN 2023</b> SCALE <b>NTS</b> SHEET <b>2</b> OF <b>9</b> SHEETS
REVISIONS			DATE/INITIALS
CONTROL SECT.			JOB NO.
FED. PROJECT			FED. ITEM NO.
PLOT DATE:			





- LEGEND**
- △ CONTROL POINT
  - ⊕ SANITARY MANHOLE
  - ⊕ STORM MANHOLE
  - CATCH BASIN
  - ⊕ FIRE HYDRANT
  - ⊕ WATER SHUT OFF VALVE
  - ⊕ CURB STOP
  - ⊕ UTILITY POLE
  - ⊕ TRAFFIC CONTROL SIGN
  - ⊕ TREE
  - ▨ EX. CONCRETE SURFACE
  - ▨ EX. ASPHALT SURFACE
  - ▨ EX. GRAVEL SURFACE
  - ▨ BASEMENT FOUNDATION
  - xxx.xx FS EX. FINISH SURFACE ELEVATION
  - xxx.xx TC EX. TOP OF CURB ELEVATION
  - ⊗ SOIL EROSION KEY NUMBER
  - 7 HYDROSEEDING IN DISTURBED AREAS (TYP)
  - 36 FILTER BAG REQUIRED
  - BM1  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 769.770  
STA. 5+48.27
  - BM2  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 768.927  
STA. 20+28.50
  - CP1  
ELEVATION 766.028
  - CP2  
ELEVATION 767.762
  - CP3  
ELEVATION 767.561
  - CP4  
ELEVATION 767.793
  - CP5  
ELEVATION 768.599
  - CP6  
ELEVATION 769.168
  - CP7  
ELEVATION 766.738

**GENERAL CONSTRUCTION NOTES**

- MOBILIZATION, TRAFFIC CONTROL, TESTING AND OTHER WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS AND SPECIFICATIONS ARE INCIDENTAL TO THE UNIT PRICES LISTED ON THE BID PROPOSAL AND WILL NOT BE PAID FOR SEPARATELY.
- CONTRACTOR TO MAINTAIN DRIVEWAY ACCESS EVERY NIGHT, AND THROUGH THE WEEKEND.
- CONTRACTOR TO INSTALL BARRICADES PRIOR TO REMOVALS.
- CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS AND UTILITY DEPTHS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROTECT EXISTING FENCES, PAVERS, TREES, LIGHTS AND POLES.
- CONTRACTOR TO MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL SEEDING IS ESTABLISHED.
- ALL PAVEMENT, CURB AND DRIVEWAY REMOVALS SHALL BE SAW CUT. PAYMENT INCLUDED IN REMOVAL ITEMS.
- CONTRACTOR TO VERIFY EXISTING STORM INVERTS PRIOR TO CONSTRUCTION.
- ALL STORM INLETS SHALL BE PROTECTED FROM SEDIMENT BY THE USE OF FILTER BAGS DURING THE CONSTRUCTION PROCESS UNTIL ADEQUATE STABILIZATION OF DISTURBED AREAS.
- PROTECT EXISTING WATER, STORM AND SANITARY STRUCTURES.
- CONTRACTOR TO PROTECT THE EXISTING IRRIGATION SYSTEM NEAR THE CURB, IN THE GRASS AND UNDER SIDEWALKS.
- CONTRACTOR MUST WORK WITHIN THE ROAD RIGHT-OF-WAY. SHOULD THE NEED ARISE TO DO WORK OUTSIDE OF THE RIGHT-OF-WAY, THE CONTRACTOR IS RESPONSIBLE FOR GETTING PERMISSION FROM THE PROPERTY OWNER, IN WRITING, AND REPAIR ALL DAMAGE AS A RESULT OF CONSTRUCTION.
- SEWER CAP TO BE INSTALLED PERMANENTLY AND BE AIR TIGHT.
- SEWER LINE MUST HAVE POSITIVE DRAINAGE AT ALL LOCATIONS.

**STORM SEWER QUANTITIES**

392 FT	Sewer, HDPE, 6 inch, Bored
5 EA	Sewer Service, 6 inch, Bored
6 EA	Cap, 6 inch
1 EA	Sewer Connection, 6 inch
2 EA	Erosion Control, Filter Bag

**ANNA STREET STORM SEWER EXTENSION**

SCALE: 1" = 20'

**EXISTING DRAINAGE STRUCTURES**

E-6 EX. SSMH  
RIM = 769.51  
8" PVC N = 761.06  
12" VCP W = 760.91  
8" RCP S = 761.21  
12" VCP E = 760.91

E-6A EX. SSMH  
RIM = 768.76  
8" PVC S = 762.01

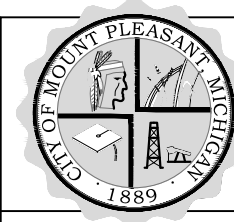
3966 EX. CB  
RIM = 766.62  
12" N12 E = 762.87  
6" PVC SW = 763.37  
4' DIA. STRUC.

4580 EX. CB  
RIM = 766.54  
12" N12 NW = 762.69  
12" N12 W = 762.69  
6" PVC SE = 763.24  
4' DIA. STRUC.

CALL MISS DIG

BEFORE DIGGING UNDERGROUND OR WORKING NEAR OVERHEAD WIRES, CALL MISS DIG AT LEAST 3 BUSINESS DAYS IN ADVANCE OF STARTING YOUR PROJECT. (800) 482-7171

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(989) 779-5401  
WWW.MT-PLEASANT.ORG

**CONSTRUCTION SHEET**  
**2023 STORM SEWER EXTENSION**  
**ANNA STREET (Sta. 0+00 - 5+00)**

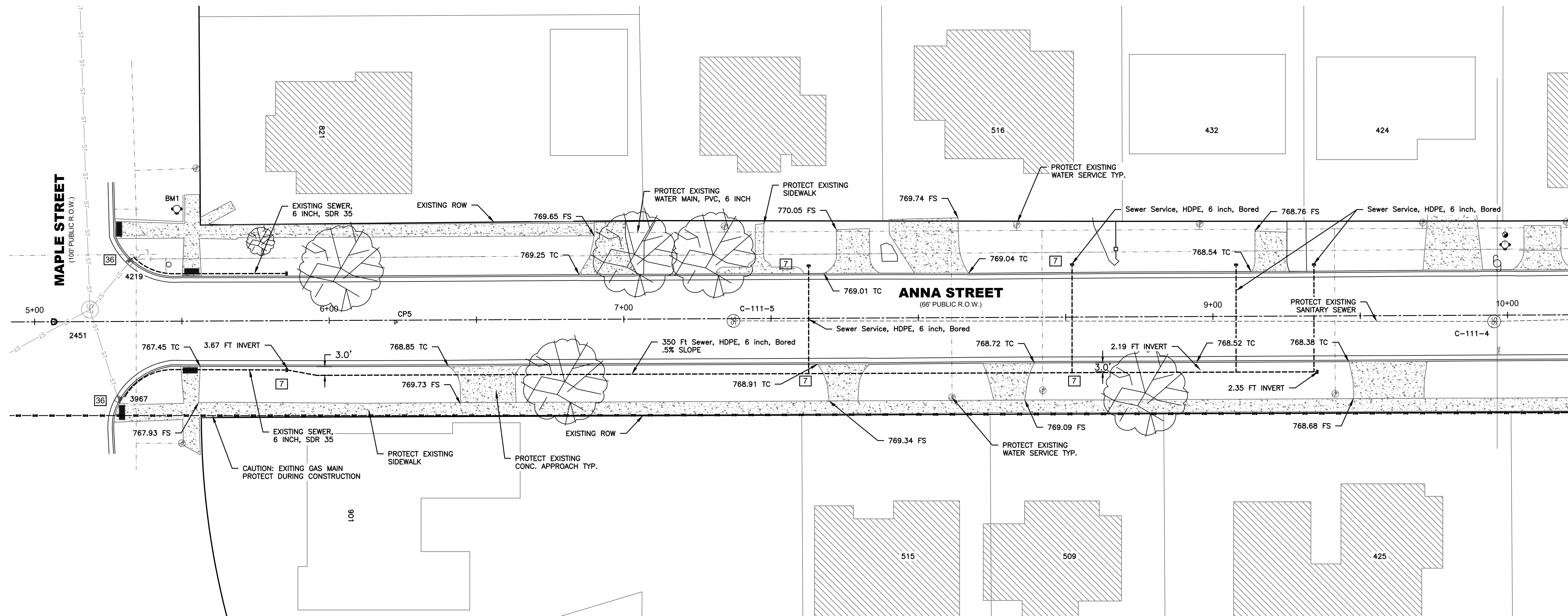
DESIGN BY <b>ES</b>	CONSTRUCTED
DRAWN BY <b>ES</b>	DATE OF PLAN <b>JAN 2023</b>
CHECKED BY <b>ST</b>	SCALE <b>1" = 20'</b>
APPROVED BY <b>JM</b>	SHEET <b>3</b> OF <b>9</b> SHEETS

REVISIONS \_\_\_\_\_ DATE/INITIALS \_\_\_\_\_

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
---------------	---------	--------------	---------------

PLOT DATE:

DRAWING PATH: J:\Construction\23 Const\2023 STORM SEWER EXT\DRAWINGS\2023 STORM SEWER EXT - ANNA STREET.dwg  
FED. PROJECT: 203-468-000-703-000  
FED. ITEM NO.:  
CONTROL SECTION: CAPITAL  
JOB NO.: 203-468-000-703-000  
2023 STORM SEWER EXT PROJECT



- LEGEND**
- △ CONTROL POINT
  - ⊕ SANITARY MANHOLE
  - ⊕ STORM MANHOLE
  - CATCH BASIN
  - ⊕ FIRE HYDRANT
  - ⊕ WATER SHUT OFF VALVE
  - ⊕ CURB STOP
  - ⊕ UTILITY POLE
  - ⊕ TRAFFIC CONTROL SIGN
  - ⊕ TREE
  - EX. CONCRETE SURFACE
  - EX. ASPHALT SURFACE
  - EX. GRAVEL SURFACE
  - BASEMENT FOUNDATION
  - XXX.XX FS EX. FINISH SURFACE ELEVATION
  - XXX.XX TC EX. TOP OF CURB ELEVATION
  - XX SOIL EROSION KEY NUMBER
  - 7 HYDROSEEDING IN DISTURBED AREAS (TYP)
  - 36 FILTER BAG REQUIRED

BM1  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 769.770  
STA. 5+48.27

BM2  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 768.927  
STA. 20+28.50

CP1  
ELEVATION 766.028

CP2  
ELEVATION 767.762

CP3  
ELEVATION 767.561

CP4  
ELEVATION 767.793

CP5  
ELEVATION 768.599

CP6  
ELEVATION 769.168

CP7  
ELEVATION 766.738

### ANNA STREET STORM SEWER EXTENSION

SCALE: 1" = 20'

#### STORM SEWER QUANTITIES

350 FT	Sewer, HDPE, 6 inch, Bored
4 EA	Sewer Service, 6 inch, Bored
5 EA	Cap, 6 inch
1 EA	Sewer Connection, 6 inch
2 EA	Erosion Control, Filter Bag

#### EXISTING DRAINAGE STRUCTURES

2451 EX. STMH  
RIM = 767.03  
12" N12 NW = 763.18  
30" RCP W = 760.03  
12" N12 SE = 761.33  
12" N12 NE = 761.81

3967 EX. CB  
RIM = 766.47  
12" N12 SW = 762.47  
6" PVC NE = 763.30  
4' DIA STRUCTURE

4219 EX. CB  
RIM = 766.69  
12" N12 SE = 763.19  
6" PVC NW = 763.24  
4' DIA. STRUCTURE

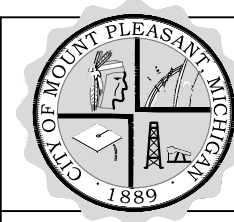
C-111-5 EX. SSMH  
RIM = 768.85  
8" PVC N = 761.25

C-111-4 EX. SSMH  
RIM = 768.16  
8" PVC S = 760.41  
8" PVC N = 760.41

CALL MISS DIG

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DAYS IN ADVANCE OF STARTING YOUR  
PROJECT. (800) 482-7171

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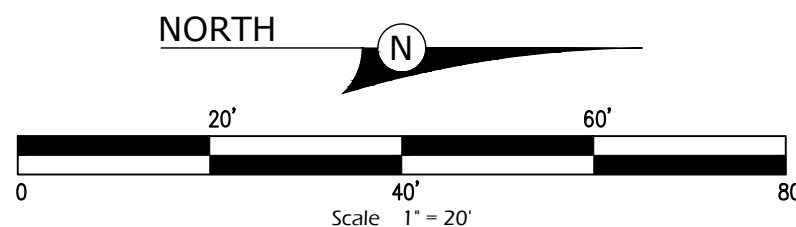
### CONSTRUCTION SHEET 2023 STORM SEWER EXTENSION ANNA STREET (Sta. 5+00-10+00)

DESIGN BY <b>ES</b>	CONSTRUCTED
DRAWN BY <b>ES</b>	DATE OF PLAN <b>JAN 2023</b>
CHECKED BY <b>ST</b>	SCALE <b>1" = 20'</b>
APPROVED BY <b>JM</b>	SHEET <b>4</b> OF <b>9</b> SHEETS

REVISIONS DATE/INITIALS

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
---------------	---------	--------------	---------------

PLOT DATE:



DRAWING PATH: J:\Construction\23 Const\2023 STORM SEWER EXT\DRAWINGS\2023 STORM SEWER EXT - ANNA STREET.dwg

FED. ITEM NO.

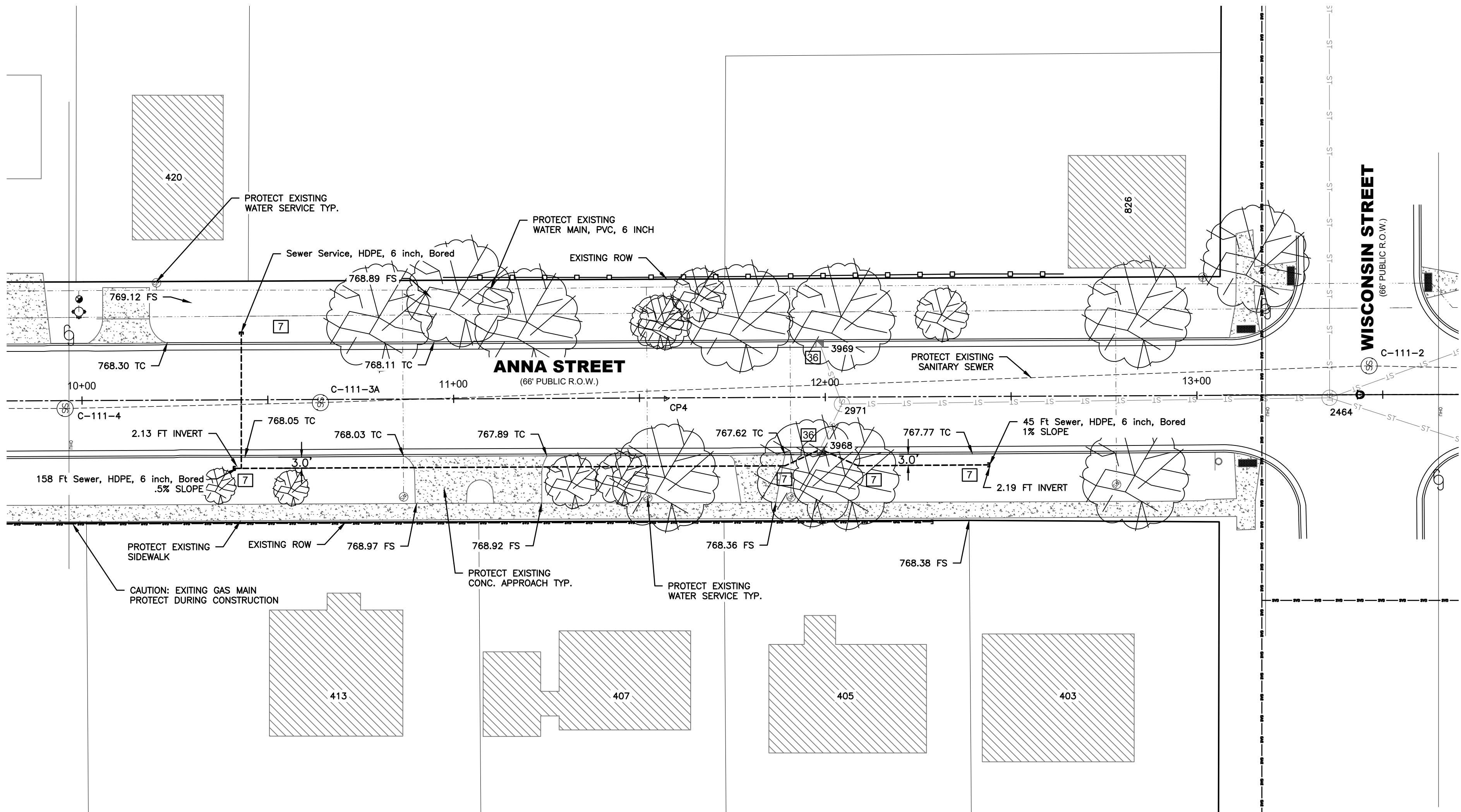
FED. PROJECT:

JOB NO.: 203-468-000-703-000

CONTROL SECTION: CAPITAL

2023 STORM SEWER EXT PROJECT





ANNA STREET STORM SEWER EXTENSION

SCALE: 1" = 20'

STORM SEWER QUANTITIES

195 FT	Sewer, HDPE, 6 inch, Bored
1 EA	Sewer Service, 6 inch, Bored
3 EA	Cap, 6 inch
2 EA	Sewer Tap, 6 inch
2 EA	Erosion Control, Filter Bag

EXISTING DRAINAGE STRUCTURES

C-111-4 EX. SSMH  
RIM = 768.16  
8" PVC S = 760.41  
8" PVC N = 760.41

C-111-3A EX. SSMH  
RIM = 767.98  
8" PVC N = 760.25  
8" PVC W = 760.38  
8" PVC S = 760.25

3968 EX. CB  
RIM = 767.24  
8" VCP NW = 765.03  
6" PROPOSED HDPE S = 765.13  
6" PROPOSED HDPE N = 765.13  
2' DIA STRUCTURE

3969 EX. CB  
RIM = 767.34  
6" VCP NE = 765.19  
2' DIA. STRUCTURE

2971 EX. STMH  
RIM = 767.79  
12" RCP N = 763.89  
6" VCP SW = 764.89  
8" VCP SE = 764.99  
4' DIA. STRUCTURE

2464 EX. STMH  
RIM = 768.34  
12" RCP NW = 763.74  
12" RCP W = 763.44  
12" RCP S = 763.54  
10" RCP NE = 763.74  
4' DIA. STRUCTURE

C-111-2 EX. SSMH  
RIM = 768.25  
8" PVC S = 769.15

LEGEND

- △ CONTROL POINT
- ⊙66 SANITARY MANHOLE
- ⊙67 STORM MANHOLE
- ▣ CATCH BASIN
- ⦿ FIRE HYDRANT
- ⦿ WATER SHUT OFF VALVE
- ⦿ CURB STOP
- ⦿ UTILITY POLE
- ⦿ TRAFFIC CONTROL SIGN
- ⦿ TREE
- ▨ EX. CONCRETE SURFACE
- ▨ EX. ASPHALT SURFACE
- ▨ EX. GRAVEL SURFACE
- ▨ BASEMENT FOUNDATION
- xxx.xx FS EX. FINISH SURFACE ELEVATION
- xxx.xx TC EX. TOP OF CURB ELEVATION
- ⊠ SOIL EROSION KEY NUMBER
- ⦿ HYDROSEEDING IN DISTURBED AREAS (TYP)
- ⦿ FILTER BAG REQUIRED

BM1  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 769.770  
STA. 5+48.27

BM2  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 768.927  
STA. 20+28.50

CP1  
ELEVATION 766.028

CP2  
ELEVATION 767.762

CP3  
ELEVATION 767.561

CP4  
ELEVATION 767.793

CP5  
ELEVATION 768.599

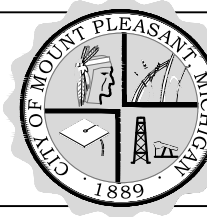
CP6  
ELEVATION 769.168

CP7  
ELEVATION 766.738

CALL MISS DIG

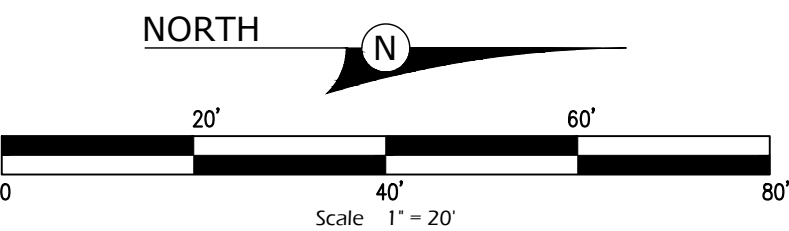
BEFORE DIGGING UNDERGROUND OR  
WORKING NEAR OVERHEAD WIRES,  
CALL MISS DIG AT LEAST 3 BUSINESS  
DAYS IN ADVANCE OF STARTING YOUR  
PROJECT. (800) 482-7171

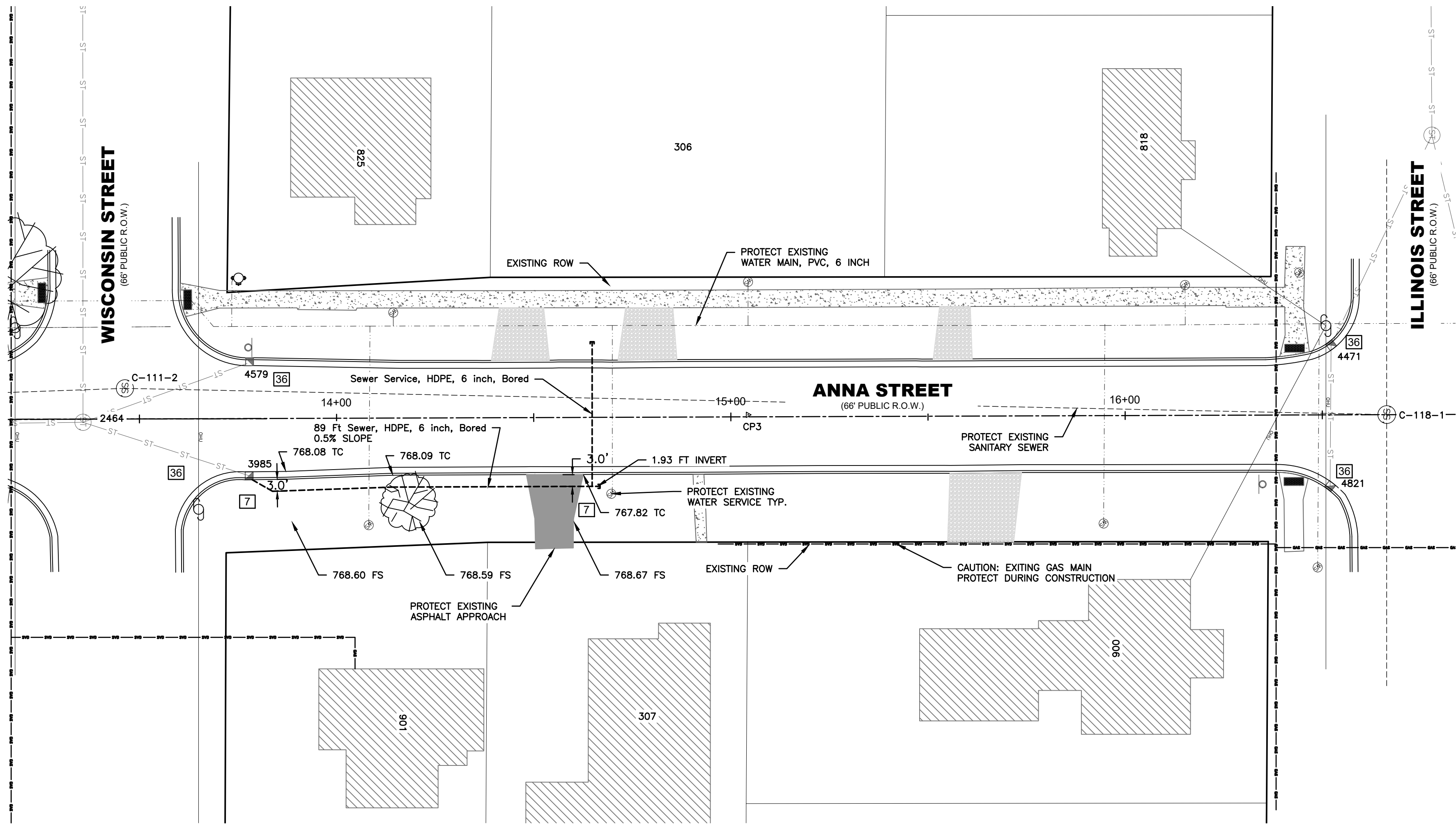
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MT. PLEASANT, MICHIGAN 48858  
(989) 779-5401  
WWW.MT-PLEASANT.ORG

CONSTRUCTION SHEET			
2023 STORM SEWER EXTENSION			
ANNA STREET (Sta. 10+00-13+50)			
DESIGN BY <b>ES</b>	CONSTRUCTED	DATE OF PLAN <b>JAN 2023</b>	
DRAWN BY <b>ES</b>	CHECKED BY <b>ST</b>	SCALE <b>1" = 20'</b>	SHEET <b>5</b> OF <b>9</b> SHEETS
CHECKED BY <b>ST</b>	APPROVED BY <b>JM</b>	DATE/INITIALS	
REVISIONS			
CONTROL SECT. JOB NO. FED. PROJECT FED. ITEM NO.			
PLOT DATE:			



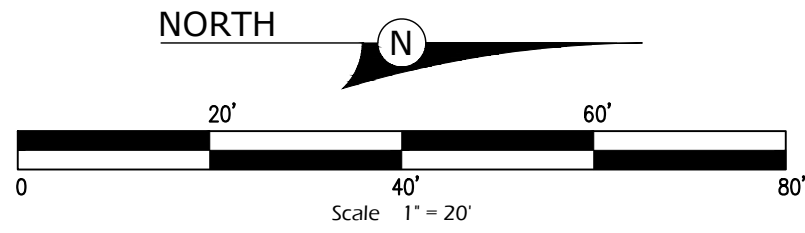


ANNA STREET STORM SEWER EXTENSION

SCALE: 1" = 20'

STORM SEWER QUANTITIES

89 FT	Sewer, HDPE, 6 inch, Bored
1 EA	Cap, 6 inch
1 EA	Sewer Tap, 6 inch
2 EA	Erosion Control, Filter Bag



- LEGEND**
- △ CONTROL POINT
  - ⊕66 SANITARY MANHOLE
  - ⊕ST STORM MANHOLE
  - CATCH BASIN
  - ⊕ FIRE HYDRANT
  - ⊕ WATER SHUT OFF VALVE
  - ⊕ CURB STOP
  - ⊕ UTILITY POLE
  - ⊕ TRAFFIC CONTROL SIGN
  - ⊕ TREE
  - EX. CONCRETE SURFACE
  - EX. ASPHALT SURFACE
  - EX. GRAVEL SURFACE
  - BASEMENT FOUNDATION
  - xxx.xx FS EX. FINISH SURFACE ELEVATION
  - xxx.xx TC EX. TOP OF CURB ELEVATION
  - ⊕ SOIL EROSION KEY NUMBER
  - 7 HYDROSEEDING IN DISTURBED AREAS (TYP)
  - 36 FILTER BAG REQUIRED
  - BM1  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 769.770  
STA. 5+48.27
  - BM2  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 768.927  
STA. 20+28.50
  - CP1  
ELEVATION 766.028
  - CP2  
ELEVATION 767.762
  - CP3  
ELEVATION 767.561
  - CP4  
ELEVATION 767.793
  - CP5  
ELEVATION 768.599
  - CP6  
ELEVATION 769.168
  - CP7  
ELEVATION 766.738

EXISTING DRAINAGE STRUCTURES

2464 EX. STMH  
RIM = 768.34  
12" RCP NW = 763.74  
12" RCP W = 763.44  
12" RCP S = 763.54  
10" RCP NE = 763.74  
4' DIA. STRUCTURE

C-111-2 EX. SSMH  
RIM = 768.25  
8" PVC S = 759.15  
8" PVC N = 759.15

3985 EX. CB  
RIM = 767.55  
8" RCP W = 765.35  
6" PROPOSED HDPE N = 765.45  
2' DIA. STRUCTURE

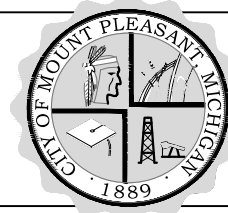
4579 EX. CB  
RIM = 767.57  
10" RCP SE = 765.22  
2' DIA. STRUCTURE

4821 EX. CB  
RIM = 766.50  
8" RCP W = 763.75  
2' DIA STRUCTURE

4471 EX. CB  
RIM = 766.29  
8" RCP E = 763.69  
8" RCP SW = 762.69  
2' DIA. STRUCTURE

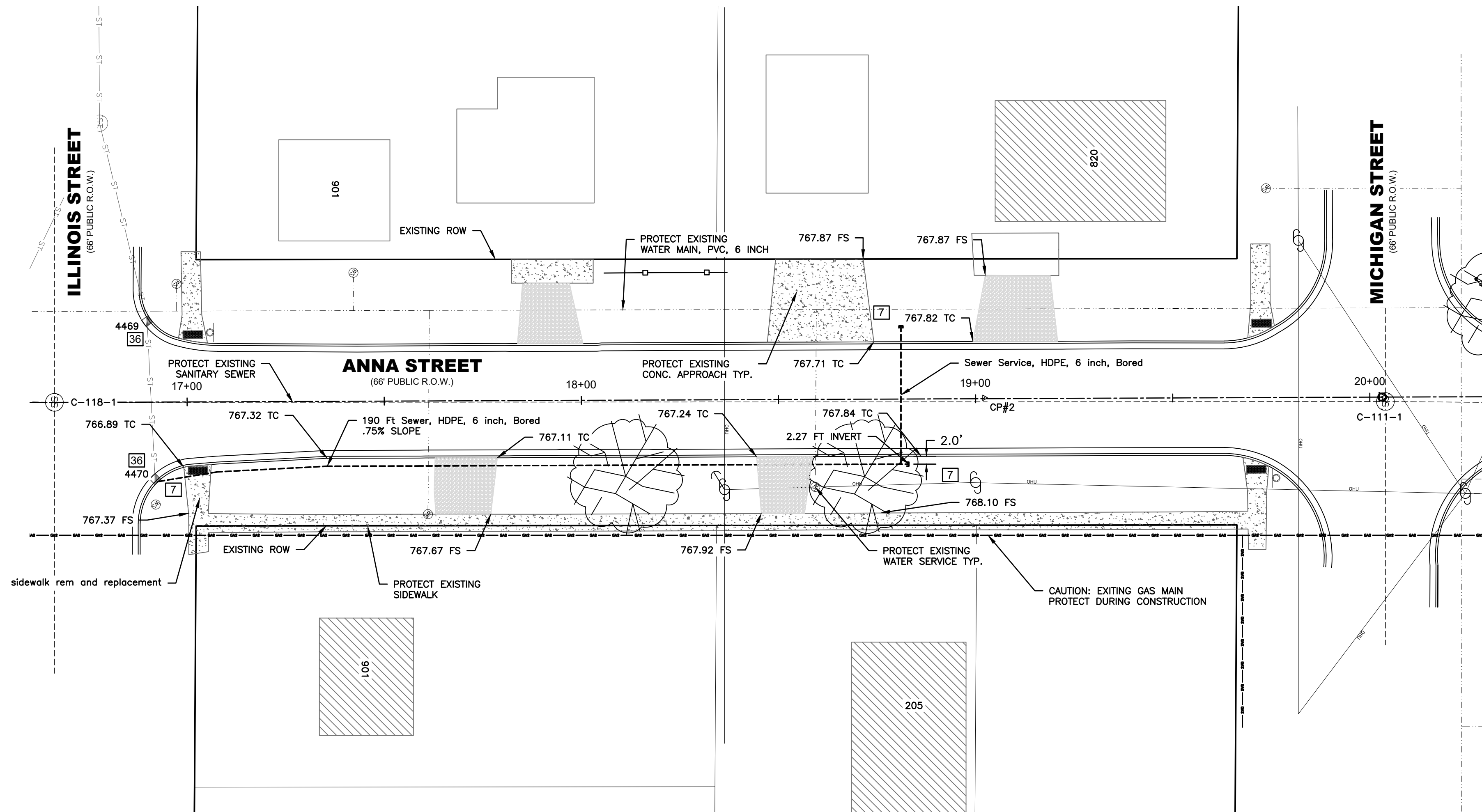
C-118-1 EX. SSMH  
RIM = 767.19  
8" PVC S = 758.29  
8" PVC N = 758.296

CALL MISS DIG  
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CONSTRUCTION SHEET			
2023 STORM SEWER EXTENSION			
ANNA STREET (Sta.13+50-16+50)			
DESIGN BY <b>ES</b>	CONSTRUCTED	DATE/INITIALS	
DRAWN BY <b>ES</b>	DATE OF PLAN <b>JAN 2023</b>		
CHECKED BY <b>ST</b>	SCALE <b>1" = 20'</b>		
APPROVED BY <b>JM</b>	SHEET <b>6</b> OF <b>9</b> SHEETS		
REVISIONS		DATE/INITIALS	
CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
PLOT DATE:			



ANNA STREET STORM SEWER EXTENSION

SCALE: 1" = 20'

STORM SEWER QUANTITIES

190 FT	Sewer, HDPE, 6 inch, Bored
1 EA	Sewer Service, 6 inch, Bored
2 EA	Cap, 6 inch
1 EA	Sewer Tap, 6 inch
2 EA	Erosion Control, Filter Bag

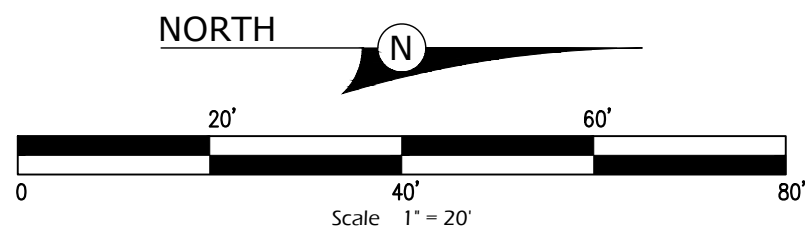
EXISTING DRAINAGE STRUCTURES

C-118-1 EX. SSMH  
RIM = 767.19  
8" PVC S = 758.29  
8" PVC N = 758.296

4469 EX. CB  
RIM = 766.39  
8" RCP E = 763.69  
8" RCP SW = 763.39  
2' DIA. STRUCTURE

4470 EX. CB  
RIM = 766.34  
8" RCP W = 764.14  
6" PROPOSED HDPE N = 764.24  
2' DIA. STRUCTURE

C-111-1 EX. SSMH  
RIM = 768.18  
8" PVC S = 757.33  
8" PVC N = 757.33



- LEGEND**
- △ CONTROL POINT
  - ⊙66 SANITARY MANHOLE
  - ⊙67 STORM MANHOLE
  - ▣ CATCH BASIN
  - ⦿ FIRE HYDRANT
  - WATER SHUT OFF VALVE
  - ⊙ CURB STOP
  - ⦿ UTILITY POLE
  - ⦿ TRAFFIC CONTROL SIGN
  - ⦿ TREE
  - ▨ EX. CONCRETE SURFACE
  - ▨ EX. ASPHALT SURFACE
  - ▨ EX. GRAVEL SURFACE
  - ▨ BASEMENT FOUNDATION
  - xxx.xx FS EX. FINISH SURFACE ELEVATION
  - xxx.xx TC EX. TOP OF CURB ELEVATION
  - ⊠ SOIL EROSION KEY NUMBER
  - 7 HYDROSEEDING IN DISTURBED AREAS (TYP)
  - 36 FILTER BAG REQUIRED

BM1  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 769.770  
STA. 5+48.27

BM2  
LOCATION ON NW BOLT ON FIRE HYD.  
ELEVATION 768.927  
STA. 20+28.50

CP1  
ELEVATION 766.028

CP2  
ELEVATION 767.762

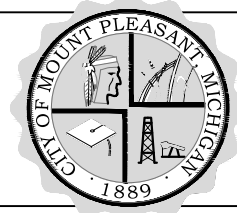
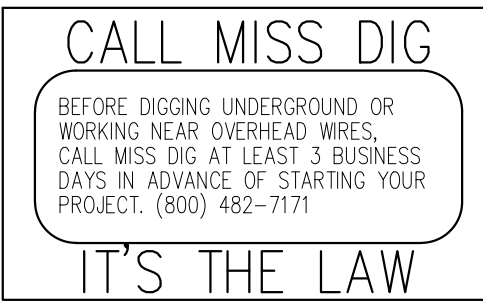
CP3  
ELEVATION 767.561

CP4  
ELEVATION 767.793

CP5  
ELEVATION 768.599

CP6  
ELEVATION 769.168

CP7  
ELEVATION 766.738



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CONSTRUCTION SHEET			
2023 STORM SEWER EXTENSION			
ANNA STREET (Sta. 16+50-20+00)			
DESIGN BY <b>ES</b>	CONSTRUCTED		
DRAWN BY <b>ES</b>	DATE OF PLAN <b>JAN 2023</b>		
CHECKED BY <b>ST</b>	SCALE <b>1" = 20'</b>		
APPROVED BY <b>JM</b>	SHEET <b>7</b> OF <b>9</b> SHEETS		
REVISIONS		DATE/INITIALS	
CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
PLOT DATE:			

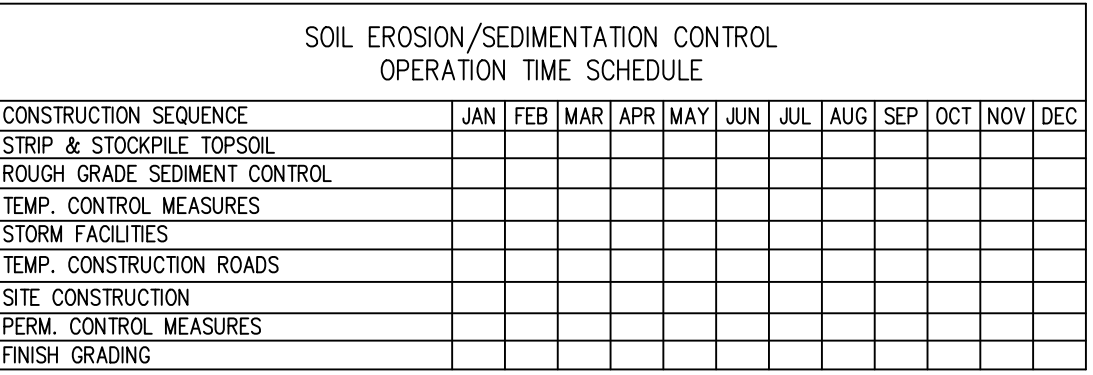
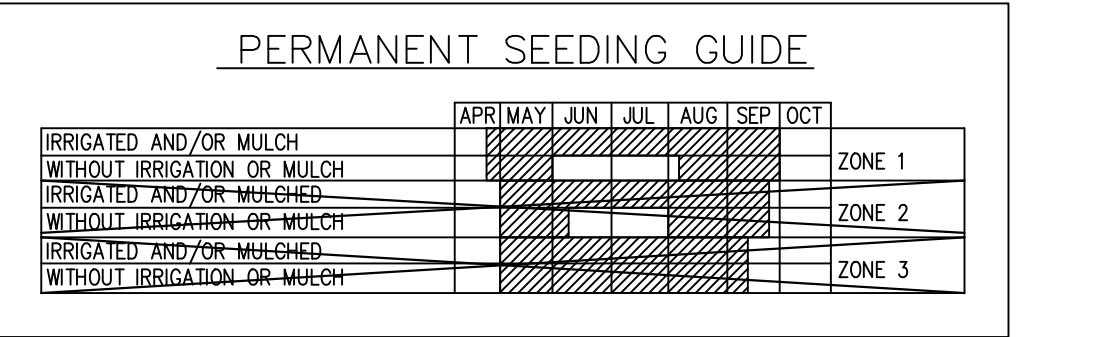
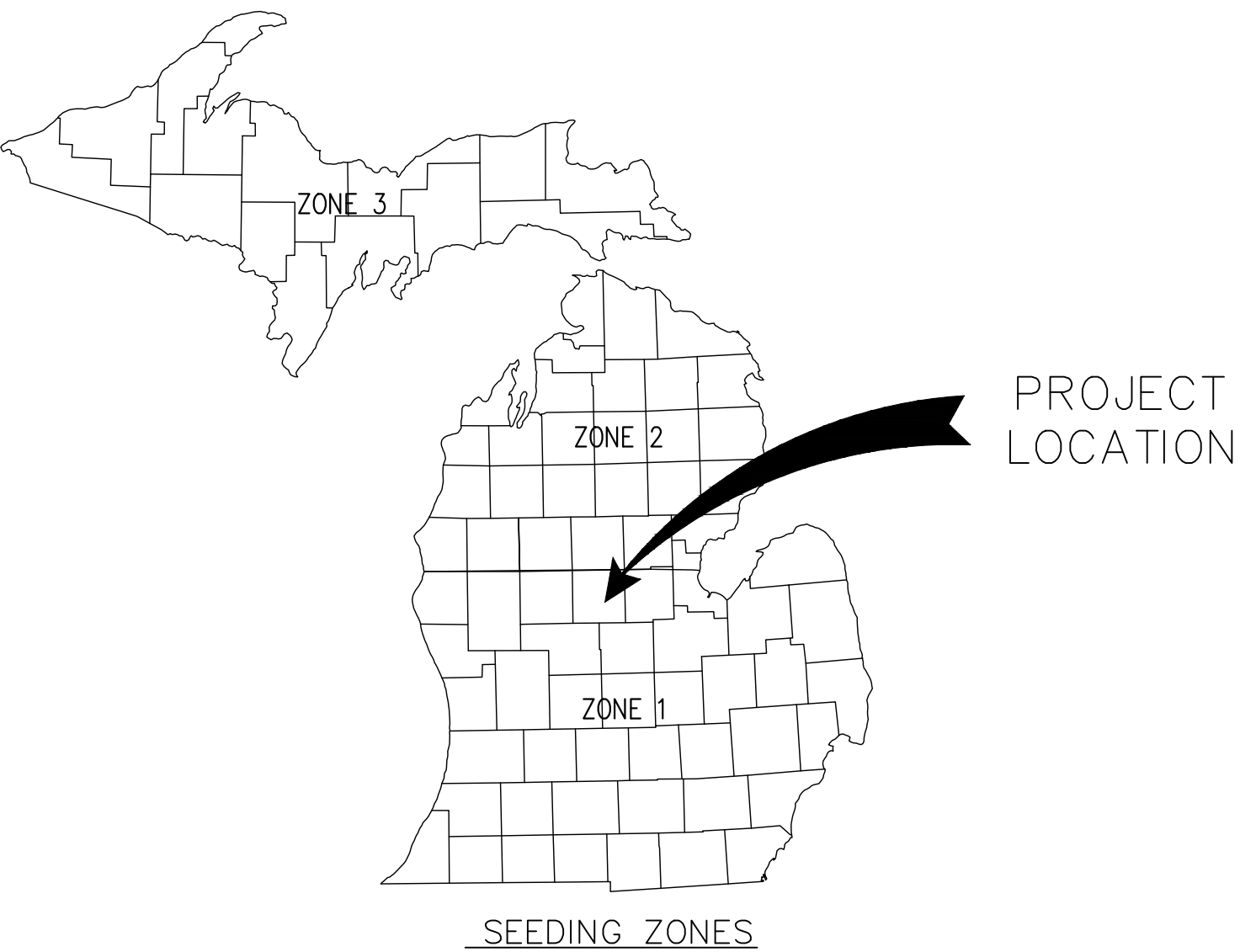
2023 STORM SEWER EXT PROJECT



MICHIGAN UNIFIED KEYING SYSTEM
SOIL EROSION SEDIMENTATION CONTROL MEASURES

\* INDICATES APPLICABILITY OF A SPECIFIC CONTROL MEASURE TO ONE OR MORE OF THE SEVEN PROBLEM AREAS

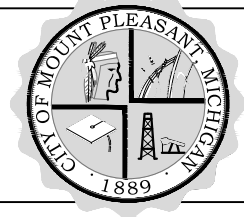
			SLOPES STREAMS AND WATERWAYS SURFACE DRAINAGEWAYS ENCLOSED DRAINAGE (Inlet & Outfall Control) LARGE FLAT SURFACE AREAS BORROW AND STOCKPILE AREAS ADJACENT PROPERTIES						
KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
1	STRIPPING & STOCKPILING TOPSOIL	TOPSOIL MAY BE STOCKPILED ABOVE BORROW AREAS TO ACT AS A DIVERSION. STOCKPILE SHOULD BE TEMPORARILY SEED.	*				*	*	
2	SELECTIVE GRADING & SHAPING	WATER CAN BE DIVERTED TO MINIMIZE EROSION. FLATTER SLOPES EASE EROSION PROBLEMS.	*				*	*	*
3	GRUBBING OMITTED	SAVES COST OF GRUBBING. PROVIDES NEW SPROUTS. RETAINS EXISTING ROOT MAT SYSTEM. REDUCES WIND FALL AT NEW FOREST EDGE. DISCOURAGES EQUIPMENT ENTRANCE.	*				*		*
4	VEGETATIVE STABILIZATION	MAY UTILIZE A VARIETY OF PLANT MATERIAL. STABILIZES SOIL. SLOWS RUNOFF VELOCITY. FILTERS SEDIMENT FROM RUNOFF.	*	*	*		*	*	*
5	SEEDING	INEXPENSIVE AND VERY EFFECTIVE. STABILIZES SOIL. THUS MINIMIZING EROSION. PERMITS RUNOFF TO INFILTRATE SOIL. REDUCING RUNOFF VOLUME. SHOULD INCLUDE PREPARED TOPSOIL BED.	*		*		*	*	*
6	SEEDING WITH MULCH AND/OR MATTING	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER. EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY. EASY TO PLACE IN SMALL QUANTITIES BY UNEXPERIENCED PERSONNEL. SHOULD INCLUDE PREPARED TOPSOIL BED.	*		*		*	*	*
7	HYDRO-SEEDING	EFFECTIVE ON LARGE AREAS. MULCH TENDING ABOUT USED TO PROVIDE IMMEDIATE PROTECTION UNTIL GRASS IS ROOTED. SHOULD INCLUDE PREPARED TOPSOIL BED.	*				*	*	*
8	SODDING	PROVIDES IMMEDIATE PROTECTION. CAN BE USED IN STEEP SLOPES WHERE SEED MAY BE DIFFICULT TO ESTABLISH. EASY TO PLACE. MAY BE REPAIRED IF DAMAGED. SHOULD INCLUDE PREPARED TOPSOIL BED.	*		*		*	*	*
9	VEGETATIVE BUFFER STRIP	SLOWS RUNOFF VELOCITY. FILTERS SEDIMENT FROM RUNOFF. REDUCES VOLUME OF RUNOFF ON SLOPES.	*	*					*
10	MULCHING	USED ALONE TO PROTECT EXPOSED AREAS FOR SHORT PERIODS. PROTECTS SOIL FROM IMPACT OF FALLING RAIN. PRESERVES SOIL MOISTURE AND PROTECTS GERMINATING SEED FROM TEMPERATURE EXTREMES.	*				*	*	
11	ROUGHENED SURFACE	REDUCES VELOCITY AND INCREASES INFILTRATION RATES. COLLECTS SEDIMENT. HOLDS WATER, SEED, AND MULCH BETTER THAN SMOOTH SURFACES.	*				*		
12	COMPACTION	HELPS HOLD SOIL IN PLACE. MAKING EXPOSED AREAS LESS VULNERABLE TO EROSION.	*				*		
13	RIPPRAP, RUBBLE, CAGIONS	USED WHERE VEGETATION IS NOT EASILY ESTABLISHED. EFFECTIVE FOR HIGH VELOCITIES OR HIGH CONCENTRATIONS. PERMITS RUNOFF TO INFILTRATE SOIL. DISSIPATES ENERGY FLOW AT SYSTEM OUTLETS.	*	*	*				
14	AGGREGATE COVER	STABILIZES SOIL SURFACE. THIS MINIMIZING EROSION. PERMITS CONSTRUCTION TRAFFIC IN ADVERSE WEATHER. MAY BE USED AS PART OF PERMANENT BASE CONSTRUCTION OF PAVED AREAS.	*				*		
15	PAVING	PROTECTS AREAS WHICH CANNOT OTHERWISE BE PROTECTED, BUT INCREASES RUNOFF VOLUME AND VELOCITY. IRREGULAR SURFACE WILL HELP SLOW VELOCITY.	*				*		
16	CURB & GUTTER	KEEPS HIGH VELOCITY RUNOFF ON PAVED AREAS FROM LEAVING PAVED SURFACE. COLLECTS AND CONDUCTS RUNOFF TO ENCLOSED DRAINAGE SYSTEM OR PREPARED DRAINAGEWAY.					*		*
17	BENCHES	REDUCES RUNOFF VELOCITY BY REDUCING EFFECTIVE SLOPE LENGTH. COLLECTS SEDIMENT. PROVIDES ACCESS TO SLOPES FOR SEEDING, MULCHING AND MAINTENANCE.	*					*	
18	DIVERSION BERM	DIVERTS WATER FROM VULNERABLE AREAS. COLLECTS AND DIVERTS WATER TO PREPARED DRAINAGEWAYS. MAY BE SLACED AS PART OF NORMAL CONSTRUCTION OPERATION.	*				*	*	
19	DIVERSION DITCH	COLLECTS AND DIVERTS WATER TO REDUCE EROSION POTENTIAL. MAY BE INCORPORATED IN PERMANENT PROJECT DRAINAGE SYSTEMS.	*				*	*	
20	BERM & DITCH	DIVERTS WATER TO A PREPARED DRAINAGEWAY. MAY BE USED AT INTERSECTIONS ACROSS SLOPE FACE TO REDUCE EFFECTIVE SLOPE LENGTH.	*				*	*	
21	FILTER BERM	CONSTRUCTED OF GRAVEL OR STONE. INTERCEPTS AND DIVERTS RUNOFF TO STABILIZED AREAS OR PREPARED DRAINAGE SYSTEMS. SLOWS RUNOFF AND COLLECTS SEDIMENT.	*	*					*
22	BRUSH FILTER	USES SLASH AND LOGS FROM CLEARING OPERATIONS. CAN BE COVERED AND SEEDED. WATER THAN REMOVED. ELIMINATES NEED FOR BURNING OR REMOVAL OF MATERIAL FROM SITE.						*	
23	BARE CHANNEL	LEAST EXPENSIVE FORM OF DRAINAGEWAY. MAY BE USED ONLY WHERE GRADIENT IS VERY LOW AND WITH SOILS OF MINIMAL EROSION POTENTIAL.			*				
24	GRASSSED WATERWAY	MUCH MORE STABLE FORM OF DRAINAGEWAY THAN BARE CHANNEL. GRASS TENDS TO SLOW RUNOFF AND FILTER OUT SEDIMENT. USED WHERE BARE CHANNEL WOULD BE ERODED.			*				
25	SLOPE DRAIN (SURFACE PIPE)	PREVENTS EROSION ON SLOPES WHEN RUNOFF CANNOT BE DIVERTED TO EDGE OF SLOPE AREA. USUALLY PERMANENT. CAN BE CONSTRUCTED OR EXTENDED AS GRADING PROGRESSES.	*						
26	SLOPE DRAIN (PIPE CHUTE)	PREVENTS EROSION ON SLOPES WHEN RUNOFF CANNOT BE DIVERTED TO EDGE OF SLOPE AREA. USUALLY PERMANENT. CAN BE CONSTRUCTED OR EXTENDED AS GRADING PROGRESSES.	*						
27	SLOPE DRAIN (SUBSURFACE PIPE)	PREVENTS EROSION ON SLOPES WHEN RUNOFF CANNOT BE DIVERTED TO EDGE OF SLOPE AREA. USUALLY PERMANENT. CAN BE CONSTRUCTED AS GRADING PROGRESSES.	*						
28	DROP SPILLWAY	SLOWS VELOCITY OF FLOW, REDUCING EROSION CAPACITY.		*	*				
29	PIPE DROP	REDUCES RUNOFF VELOCITY. REMOVES SEDIMENT AND TURBIDITY. CAN BE DESIGNED TO HANDLE LARGE VOLUMES OF FLOW.			*				
30	PIPE SPILLWAY	REMOVES SEDIMENT AND TURBIDITY FROM RUNOFF. MAY BE PART OF PERMANENT EROSION CONTROL PLAN.			*				
31	ENERGY DISSIPATER	SLOWS RUNOFF VELOCITY TO NON-EROSIVE LEVEL. PROMPTS SEDIMENT COLLECTION FROM RUNOFF.	*		*	*			
32	LEVEL SPREADER	CONVERTS COLLECTED CHANNEL OR PIPE FLOW BACK TO SHEET FLOW. AVOIDS CHANNEL EROSIONS AND CONSTRUCTION OFF PROJECT SITE. SIMPLE TO CONSTRUCT.			*				
33	SEDIMENTATION TRAP	MAY BE CONSTRUCTED OF A VARIETY OF MATERIALS. TRAPS SEDIMENT AND TURBIDITY. EASY TO CONSTRUCT AND EXPANDED AS NEEDED.		*	*				
34	SEDIMENT BASIN	TRAPS SEDIMENT. RELEASES RUNOFF AT NON-EROSIVE RATES. CONTROLS RUNOFF AT SYSTEM OUTLETS. CAN BE VISUAL MONITORED.		*	*	*			
35	STORM SEWER	SYSTEM REMOVES COLLECTED RUNOFF FROM SITE. PARTICULARLY FROM PAVED AREAS. CAN ACCEPT LARGE CONCENTRATIONS OF RUNOFF. CONDUCTS RUNOFF TO MUNICIPAL SEWER SYSTEM OR STABILIZED OUTFALL LOCATION. USE CATCH BASINS TO COLLECT SEDIMENT.					*		*
36	CATCH BASIN, DRAIN INLET	COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF. MAY USE FILTER OR CATCH BASIN INLET.					*		*
37	SOD FILTER	INEXPENSIVE AND EASY TO CONSTRUCT. PROVIDES IMMEDIATE PROTECTION. PROTECTS AREAS AROUND INLETS FROM EROSION.					*		
38	STRAW BALE FILTER	INEXPENSIVE AND EASY TO CONSTRUCT. MAY BE USED IN CONJUNCTION WITH SNOW FENCE FOR ADDED STABILITY.					*		*
39	ROCK FILTER	CAN UTILIZE MATERIAL FOUND ON SITE. EASY TO CONSTRUCT. FILTERS SEDIMENT FROM RUNOFF.					*		*
40	INLET SEDIMENT TRAP	EASY TO SHAPE. COLLECTS SEDIMENT. MAY BE CLEANED AND EXPANDED AS NEEDED.					*		
41	STONE AND ROCK CROSSING	MAY BE ROCK OR CLEAN RUBBLE. MINIMIZES STREAM TURBIDITY. WEEDPROOF. MAY ALSO SERVE AS DITCH CHECK OR SEDIMENT TRAP.					*		
42	TEMPORARY CULVERT	ELIMINATES STREAM TURBULENCE AND TURBIDITY. PROVIDES UNOBSTRUCTED PASSAGE FOR FISH AND OTHER WATER LIFE. CAPACITY FOR NORMAL FLOW CAN BE PROVIDED WITH STORM WATER FLOWING OVER ROADWAY.		*					
43	CULVERT SEDIMENT TRAP	EASY TO INSTALL AT INLET. KEEPS CULVERT SLOW AND FREE FLOWING. MAY BE CONSTRUCTED OF LUMBER OR LOGS.		*					*
44	CULVERT SEDIMENT TRAP	DEFLECTS CURRENTS AWAY FROM STREAMBANK AREAS.		*					
45	TEMP. STREAM CHANNEL CHANGE	NEW CHANNEL KEEPS NORMAL FLOWS AWAY FROM CONSTRUCTION. REQUIRES STATE PERMIT.		*					
46	SHEET PILING	PROTECTS ERODIBLE BANK AREAS FROM STREAM CURRENTS DURING CONSTRUCTION. MANUAL DISRUPTION WHEN REMOVED.		*					
47	COFFERDAM	WORK CAN BE CONTINUED DURING MOST ANTICIPATED STREAM CONDITIONS. CLEAR WATER CAN BE PUMPED DIRECTLY BACK INTO STREAM.		*					
48	CONSTRUCTION DAM	PERMITS WORK TO CONTINUE DURING NORMAL STREAM STAGES. CONTROLLED FLOODING CAN BE ACCOMPLISHED DURING PERIODS OF INACTIVITY.		*					
49	CHECK DAMS	REDUCES FLOW VELOCITY. CATCHES SEDIMENT. CAN BE CONSTRUCTED OF LOGS, STRAW, HAY ROCK, LUMBER, MASONRY, OR SAND BAGS.		*	*				
50	WEIR	CONTROLS SEDIMENTATION IN LARGE STREAMS. CAUSES MINIMAL TURBIDITY.		*	*				
51	RETAINING WALL	REDUCES GRADIENT WHERE SLOPES ARE EXTREMELY STEEP. PROMPTS RESTORATION OF EXISTING VEGETATION, KEEPING SOIL STABLE IN CRITICAL AREAS. MINIMIZES MAINTENANCE.		*					*
52	SEEPAGE CONTROL	PREVENTS PIPING AND SOIL SLIPPAGE ON OUT SLOPES.		*					*
53	WINDBREAK	MINIMIZES WIND EROSION. MAY BE SNOW FENCE.					*		
54	SILT FENCE	USES GEOTEXTILE FABRIC AND POSTS OR POLES. EASY TO CONSTRUCT AND LOCATE AS NECESSARY.			*				*



- SOIL EROSION & SEDIMENTATION CONTROL
- DEVELOPER/PROPERTY OWNER SHALL SUBMIT A DETAILED EROSION CONTROL PLAN AND OBTAIN A SOIL EROSION & SEDIMENTATION CONTROL PERMIT PRIOR TO ANY EARTH CHANGES.
  - CONSTRUCTION OPERATION SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING AND/OR GRADING OPERATIONS.
  - BORROW AND FILL DISPOSAL AREAS WILL BE SELECTED AND APPROVED AT TIME OF PLAN REVIEW. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
  - THE PROJECT WILL CONTINUALLY BE INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE DEVELOPER WITHIN 24 HOURS.
  - TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE DEVELOPER UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES.
  - ALL TEMPORARY SOIL EROSION CONTROL MEASURES MUST BE REMOVED FROM ROAD RIGHT-OF-WAY AREAS PRIOR TO ACCEPTANCE OF STREETS FOR ROUTINE MAINTENANCE.
  - VEGETATION MUST BE ACCEPTABLY ESTABLISHED PRIOR TO FINAL RELEASE OF THE CONSTRUCTION GUARANTEE BY THE DESIGNATED SOIL EROSION SEDIMENTATION CONTROL AGENT.

- STREAM CROSSING NOTES
- CONSTRUCTION OF STREAM CROSSINGS SHALL BE SUBJECT TO THE SPECIFICATIONS FOR PROTECTION OF NATURAL RESOURCES AT UTILITY CROSSINGS AS GIVEN IN THE ADMINISTRATIVE RULES FOR ACT 346(RULES 24-29).
  - A SILTATION BARRIER SHALL BE CONSTRUCTED IMMEDIATELY DOWNSTREAM OF THE CONSTRUCTION SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. (SEE MICHIGAN UNIFIED KEYING SYSTEM FOR SPECIFIED BARRIER) THE SILTATION BARRIER SHALL BE MAINTAINED IN GOOD WORKING ORDER THROUGHOUT THE DURATION OF THE PROJECT.
  - BACKFILL SHALL CONSIST OF INERT MATERIALS WHICH WILL NOT CAUSE SILTATION NOR CONTAIN SOLUBLE CHEMICALS OR ORGANIC MATTER WHICH IS BIODEGRADABLE. ALL FILL SHALL BE CONTAINED IN SUCH A MANNER SO AS NOT TO ERODE INTO ANY WATERCOURSE.
  - ALL RAW BANKS SHALL BE STABILIZED WITH RIPRAP TO THREE FEET ABOVE THE ORDINARY HIGH WATERMARK, THEN SEED, FERTILIZED AND MULCHED, OR SODDED TO PREVENT EROSION.
  - UPON PROJECT COMPLETION THE EXCESS SPOILS SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND SITE.
  - SILTATION BARRIER MAY BE REMOVED UPON PLACEMENT OF PERMANENT EROSION CONTROL MEASURES.

- CONSTRUCTION SEQUENCE
- EXCAVATION AND STOCKPILING OF SOIL.
  - IMPLEMENTATION OF TEMPORARY EROSION CONTROL MEASURES; SELECTIVE GRADING.
  - PERIODIC MAINTENANCE OF AFFECTED EROSION CONTROL MEASURES.
  - PERMANENT MEASURES; FINAL GRADING, SEEDING AND MULCHING.



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SOIL EROSION CONTROL KEY  
2023 STORM SEWER EXTENSION  
ANNA STREET

DESIGN BY **ST**  
DRAWN BY **ES**  
CHECKED BY **ST**  
APPROVED BY **JM**

CONSTRUCTED  
DATE OF PLAN **JAN 2023**  
SCALE **NTS**  
SHEET **9** OF **9** SHEETS

REVISIONS  
DATE/INITIALS

CONTROL SECT. JOB NO. FED. PROJECT FED. ITEM NO.

PLOT DATE: