

Planning Commission Regular Meeting July 18, 2023 7:00 p.m.

- 1. CALL MEETING TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ROLL CALL
- 4. APPROVAL OF AGENDA
- 5. APPROVAL OF MINUTES

-June 20, 2023 Regular Meeting

#### 6. CORRESPONDENCE / BOARD REPORTS / PRESENTATIONS

- A. Thering updates from Board of Trustees
- B. Buckley updates from ZBA
- C. Other Reports
- 7. PUBLIC COMMENT: Restricted to (3) minutes regarding items not on this agenda
- 8. NEW BUSINESS
  - A. PMINORSPR23-07 Minor Site Plan Application referred by the Zoning Administrator for Approval of Revisions to the Approved Landscape for the Dunkin Donuts/Marathon Gas Station located at 4962 E Broomfield Rd.
    - a. Introduction by staff
    - b. Updates from the applicant
    - c. Commission review of the site plan
    - d. Commission deliberation and action (approval, denial, approval with conditions, or postpone action)
  - B. PFINALSPR23-01 Final Site Plan Application for the Isabella County Road Commission's Salt Storage Facility at 2100 E. Transportation Dr.
    - a. Introduction by staff
    - b. Updates from the applicant
    - c. Commission review of the site plan
    - **d.** Commission deliberation and action (approval, denial, approval with conditions, or postpone action

- 9. OTHER BUSINESS
  - A. Master Plan Updates Framework for Updating the Master Plan
    - a. Introduction by staff
    - b. Planning Commission Discussion
- 10. EXTENDED PUBLIC COMMENT: Restricted to (5) minutes regarding any issue
- 11. FINAL BOARD COMMENT
- 12. ADJOURNMENT

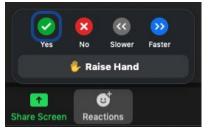
#### Hybrid Meeting Instructions for the Charter Township of Union Planning Commission

The public can view all Union Township meetings live by clicking on our <u>YouTube Channel</u>. For those who would like to participate, you can do so via Zoom.

<u>Click here</u> to participate in the Zoom Meeting via computer or smart phone. (Meeting ID Enter "839 8031 3172" Password enter "240465"). Access to the electronic meeting will open at 6:50 p.m. and meeting will begin at 7:00 p.m.

Telephone conference call, dial (312-626-6799). Enter "839 8031 3172" and the "#" sign at the "Meeting ID" prompt, and then enter "240465" at the "Password" prompt. Lastly, re-enter the "#" sign again at the "Participant ID" prompt to join the meeting.

- All public comments for items on the agenda will be taken at the Public Comment and any issue not on the agenda will be taken at the Extended Public Comment section of the Agenda.
- Computer/tablet/smartphone audience: To indicate you wish to make a public comment, please use the "Reactions" icon. Next, click on the "Raise Hand" icon near the bottom right corner of the screen.



- To raise your hand for telephone dial-in participants, press \*9. You will be called on by
  the last three digits of your phone number for comments, at which time you will be
  unmuted by the meeting moderator.
- Please state your name and address for the minutes and keep public comments concise.

You will be called upon once all in-person comments have been made, at which time you will be unmuted by the meeting moderator.

Persons with disabilities needing assistance should call the Township office at (989) 772-4600. Persons requiring speech or hearing assistance can contact the Township through the Michigan Relay Center at 711. A minimum of one (1) business day of advance notice will be necessary for accommodation.

#### CHARTER TOWNSHIP OF UNION

#### Planning Commission Regular Meeting Minutes

A regular meeting of the Charter Township of Union Planning Commission was held on June 20, 2023, at 7:00 p.m. at the Union Township Hall.

#### Meeting was called to order at 7:01 p.m.

#### **Roll Call**

Present:

Albrecht, Buckley, Gross, LaBelle, Lapp, Shingles, and Squattrito

Excused:

McDonald and Thering

#### **Others Present**

Rodney Nanney, Community and Economic Development Director; Peter Gallinat, Zoning Administrator; Tera Green, Administrative Assistant

#### **Approval of Agenda**

**Gross** moved **Buckley** supported to approve the agenda as presented. **Vote: Ayes: 7. Nays: 0. Motion Carried** 

#### **Approval of Minutes**

**Buckley** moved **Lapp** supported to approve the regular meeting minutes from May 16, 2023 with an amendment to Commissioner LaBelle's Final Board Comment. **Vote: Ayes: 7. Nays: 0. Motion carried.** 

#### **Correspondence / Reports/ Presentations**

- A. Board of Trustees updates by Thering no updates were given.
- B. ZBA updates by Buckley There was no meeting in June. There will be an agenda item for a July 11<sup>th</sup> Special Meeting.

#### **Public Comment**

Open 7:08 p.m.

No comments were offered.

Closed 7:08 p.m.

#### Other Business

#### A. Master Plan Update

- a. Introduction by staff
- b. Planning Commission Discussion

Nanney presented the previous memo dated May 10<sup>th</sup> intended as a starting point to guide the development of the updated Master Plan. Staff provided three (3) documents included in the Planning Commission packet that was recommended for review prior to the June 20<sup>th</sup> meeting:

1) Framework for updating the Master Plan 2) Policy Statements from the 2018 Master Plan and (3) 2016 Survey of Residents for the commissioners to reference.

The Planning Commission continued their May 16<sup>th</sup> discussion to identify key priorities and focus areas to develop a framework to guide the Master Plan Update. Commissioners discussed each subject heading under the Framework for Updating the Master Plan document and through subject heading (D) Plan for Economic Development of the Policy Statements from the 2018 Master Plan document. Commissioners expressed a desire to use more actionable statements that activate strategies, transitions, and sensible sustainability and to simplify the Master Plan policies for Commercial and Industrial plans.

The commissioners will continue their discussion at the July regular meeting starting with the Policy Statements from the 2018 Master Plan document (E) Plan For Housing and continue through the 2016 Survey of Residents.

#### **Extended Public Comments**

Open: 9:09 p.m.

No comments were offered.

Closed 9:09 p.m.

#### **Final Board Comment**

Adjournment - Chairman Squattr	ito adjourne	ed the meetin	g at 9:10 p.m
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APPROVED BY:	
	Doug LaBelle – Secretary
(Recorded by Tera Green)	Tera Albrecht – Vice Secretary

# **Charter Township of Union**

## **APPLICATION FOR SITE PLAN REVIEW**

	Minor Site Plan Prelimi	nary Site Plan	Final Site Plan	
A Completed Applicat	tion will contain all the information req	ired per the Zoning Ordin	ance, Section 14.2 (Site P	lan Review).
Name of Proposed Dev	velopment/Project	Dunkin Donuts/Mara	athon Filling Station	
	of Property & Address (if issued)			
·	**Proposed Amendment to origi			
Annlicant's Namelal		errin Construction Co., Ir		
Applicant's Name(s)		704		
Phone/Fax numbers	989-288-6046 / 989-288-2	731 Email	jwright@perrinconstru	ictionco.com
Address	8888 E. Lansing Road	City	y:Durand, MI	Zip: <del>48429</del>
Legal Description:	Attached Included on Site	Plan Tax Parcel ID	Number(s): 14-02	26-20-001-06
Existing Zoning: B-5	Land Acreage: 6.94 Ex	isting Use(s): C	Convenience store/Gas	station
ATTACHED: Letter of	describing the project and how it confo	orms to Section 14.2.S. (S	tandards for Site Plan A	pproval)
10				
Firm(s) or	1. Name: Practical Engineers/Peri	in Construction Phone:2	231-275-5066 Email	
Individuals(s) who	2. Address:	9091 Helen Whi	ite Drive	
prepared site plan(s)	City: Lake			
	Contact Person: S	arah Ross / Scott Perrin	<u>ı                                    </u>	e 989-239-1723
Legal Owner(s) of	1. Name: Mt Pleasant Inve	stors LLC- Chad Hamin	Phone: 9	989-348-7647
Property.	Address:			
All persons having	City: Grayli			Zip: 49738
legal interest in the	The House of			·
property must sign	Signature:	In	terest in Property:	owner/Member
this application.	2. Name:		Phone:	
Attach a separate	Address:			
sheet if more space	City:		State:	Zip:
is needed.	Signature:	In	terest in Property:	
true and accurate to the all the owners of the pany permits issued pur constitute the right to	all the statements, signatures, desine best of my knowledge and that I property. False or inaccurate informations and the suant to site plan approval and/or reviolate any provisions of the Zoning nature of Applicant	am authorized to file th ition placed upon this pl emoval of work installed	his application and act lan may be cause for ro d. Approval of this plan blicable codes and ordi	on behalf of evocation of a shall not nances.
316		Hara Calla	Date	
	Office	Use Only		
Application Received B	y:		Fee Paid: \$	

006

Escrow Deposit Paid: \$\_\_\_\_\_

Date Received:\_\_



# Charter Township Of Union

#### **Community and Economic Development Department**

2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 241

#### MINOR SITE PLAN APPROVAL

**TO:** Planning Commission **DATE:** July 10, 2023

**FROM:** Peter Gallinat Zoning Administrator **ZONING:** B-5, Highway Business District

**PROJECT:** PMINORSPR23-07 Minor Site Plan approval— Dunkin Donut / Marathon Gas

Station amended landscaping plan.

**PARCEL(S):** PID 14-026-20-001-06

**OWNER(S):** MT PLEASANT INVESTORS LLC

LOCATION: Approximately 6.94 acres located at 4962 E. Broomfield Rd. in the NE 1/4 of

Section 26.

EXISTING USE: Dunkin Donut/Marathon Gas ADJACENT ZONING: B-4, B-5, R-

Station 3A, MP city.

**FUTURE LAND USE DESIGNATION:** Retail Service: This district is intended for the widest variety of retail and service businesses. They could range from apparel shops, auto service, and restaurants through small commercial strip centers and office buildings. This district is not intended for heavy commercial/light industrial uses like landscaping or contractor yards, heavy auto repair, or similar uses that may require some form of outside storage. Locations for this district are based on arterial road frontage and the need for high traffic volumes with convenient, well managed access.

**ACTION:** To review and take action on the PMINORSPR23-07 minor site plan's revised "As-Built Landscaping Plan" sheet dated 6-19-2023 for the Dunkin Donuts Marathon Gas Station located at 4962 E. Broomfield Road in the NE¼ of Section 26 and in the B-5 (Highway Business) District.

#### **Background Information**

If an existing business is proposing new lighting or new landscaping, this type of development can be administratively reviewed and approved under the "Minor Site Plan" provisions of the Zoning Ordinance. This normally would include incidental changes to landscaping improvements that are part of an approved final site plan for a development project.

In this case, the contractor, Perrin Construction, discovered during construction of the project that it was not feasible to install all of the landscaping improvements depicted on the approved landscaping plan. This is a concern that was raised with the applicant by Township staff at the time the final site plan was submitted for review, but the applicant insisted that they wanted to proceed with the plan as they had presented it at the time.

Perrin Construction has provided an amended landscaping plan that continues to satisfy the Zoning Ordinance's minimum landscaping screening requirements. However, since the

reductions from the original approved landscape plan are more than "incidental" in character, the revisions require Planning Commission approval.

Please note that the requested action is only for Planning Commission approval of the revised landscaping plan element of this Minor Site Plan application. The applicant has also submitted minor revisions to their exterior lighting plan. If the revised landscaping is approved by the Planning Commission, the overall Minor Site Plan application will then be subject to final approval by the Zoning Administrator.

#### **Minor Site Plan Review Comments**

The following comments are based on the standards for minor plan approval and the specific elements of the proposed site plan:

1. **Section 10 (Landscaping and Screening).** The revised plan meets the requirements for total planting required, plant species, and maintenance of plants.

#### **Objective**

Planning Commission review and action on the requested landscaping plan revisions. Following action by the Planning Commission on this request, the Zoning Administrator will take an administrative action on the associated minor site plan application.

#### **Key Findings**

- The applicant's request revisions to the landscaping improvements are a reduction from what was originally approved but still meet the requirements of Section 10.2.
- The minor site plan meets the requirements of Section 14.2.P (Required Site Plan Information) and Section 14.2.S (Standards for Site Plan Approval).

#### Recommendations

Based on the above findings, I recommend that the Planning Commission take action by motion to approve the PMINORSPR23-07 minor site plan's revised "As-Built Landscaping Plan" sheet dated 6-19-2023 for the Dunkin Donuts Marathon Gas Station located at 4962 E. Broomfield Road in the NE% of Section 26 and in the B-5 (Highway Business) District, as presented.

Please contact me at (989) 772-4600 ext. 241, or via email at pgallinat@uniontownshipmi.com, with any questions about this information.

Respectfully submitted,

Peter Gallinat, Zoning Administrator

# **Charter Township of Union**

## **APPLICATION FOR SITE PLAN REVIEW**

	Minor Site Plan	Preliminary Sit	e Plan	Final Site Pla	ən
A Completed Applica	tion will contain all the info	تـــــــا ormation required per	the Zoning Ordinan	ce, Section 14.2 (S	ite Plan Review).
Name of Proposed Dev	/elopment/Project	Isa	abella County Roa	d Commission	(0 <u></u>
	of Property & Address (i				easant, MI 48858
No	o. street number has bee	en assigned. The ta	x ID number is 14	-016-30-002-11	
Applicant's Name(s)		Isabella Cour	nty Road Commiss	sion	
Phone/Fax numbers	phone: (989) 7773-713	1 Fax (989) 772-2	371 Email	tcasali@isabe	llaroads.com
Address	2261 E. Remu	ıs Road	City:_	Mt. Pleasant	, MI Zip: 48858
Legal Description:		ded on Site Plan	Tax Parcel ID N	umber(s): 1	4-016-30-002-11
Existing Zoning: R2A	Land Acreage:	7.81 Existing U	se(s):	Essential Se	rvice
ATTACHED: Letter of	lescribing the project and	how it conforms to 5	ection 14.2.S. (Star	ndards for Site Pla	an Approval)
Firm(s) or Individuals(s) who prepared site plan(s)	1. Name: Lorenz Sun 2. Address: City: Contact Person:	Weidman	3229 W. Beal City	Road State: M	11 Zip: 48893
Legal Owner(s) of	1. Name: Is				989-773-7131
Property.	Address:				7: 40050
All persons having legal interest in the	City:	ML_Pleasant		State: <u>IVII</u>	ZIp:40000
property must sign	Signature:		Inter	est in Property:	Manager
this application.	2. Name:			Phone:	
Attach a separate sheet if more space	Address: City:	· ·		State: Mi	7in:
is needed.					
	Signature:		Inter	est in Property:	owner/lessee/other
true and accurate to the all the owners of the pany permits issued purconstitute the right to	all the statements, sign ne best of my knowledge roperty. False or inaccur suant to site plan appro- violate any provisions of nature of Applicant	e and that I am auth rate information pla val and/or removal (	orized to file this ced upon this plar of work installed. A	application and may be cause for Approval of this	act on behalf of or revocation of plan shall not
		Office Use On	ly		
Application Received B	y:		1	ee Paid: \$	
Date Received:			Escrow Dep	osit Paid: \$	

Revised: 9/14/2020

#### **Preliminary Site Plan Review Procedure**

Each preliminary site plan application shall be made by filing one (1) completed and signed copy of the required application form, the required fee and any required escrow deposit, one (1) large (up to 24-inch by 36-inch maximum) printed site plan set, and eleven (11) paper copies and one (1) digital copy in .PDF format of the complete set of application materials and reduced 11-inch by 17-inch site plan sets at the Township Hall.

#### **Effect of Preliminary Site Plan Approval**

Approval of a preliminary site plan by the Planning Commission shall indicate its general acceptance of the proposed layout of buildings, streets, drives, parking areas, and other facilities and areas in accordance with the standards for preliminary site plan approval specified in subsection 14.2(S). The Planning Commission may, at its discretion and with appropriate conditions attached, authorize limited work to begin for soils exploration, incidental site clearing, and other preliminary site work as specified in the authorization.

#### **Outside Agency Approvals**

The applicant shall be responsible for obtaining all necessary permits or approvals from applicable outside agencies, <u>prior to final site plan approval</u>.

#### **Final Site Plan Review Procedure**

Each final site plan application shall be made by filing one (1) completed and signed copy of the required application form, the required fee and any required escrow deposit, one (1) large (up to 24-inch by 36-inch maximum) printed site plan set, and eleven (11) paper copies and one (1) digital copy in .PDF format of the complete set of application materials and reduced 11-inch by 17-inch site plan sets at the Township Hall.

#### **Effect of Final Site Plan Approval**

Approval of a final site plan by the Planning Commission constitutes the final zoning approval for the project and allows for issuance of a building permit to begin site work or construction, provided all other construction and engineering requirements have been met.

#### Minor Site Plan Review Procedure

A minor site plan application shall be made by filing one (1) completed and signed copy of the required application form, the required fee, and two (2) paper copies and one (1) digital copy in .PDF format of the complete set of application materials and site plans, at a maximum sheet size of 11 inches by 17 inches, at the Township Hall. The Zoning Administrator shall review the application materials and site plan for completeness, accuracy, and compliance with all applicable requirements and standards of this Ordinance and other Township ordinances.

The minor site plan shall be approved by the Zoning Administrator upon determination that all required information for the type of site plan has been provided per subsection 14.2(P), the site plan satisfies the applicable standards for site plan approval per subsection 14.2(S); and the site plan conforms to all other applicable requirements and standards of this Ordinance and other Township ordinances.

# **CHARTER TOWNSHIP OF UNION**

# SITE PLAN REVIEW HAZARDOUS SUBSTANCES REPORTING FORM

This form must be completed and submitted as part of the site plan for facilities which may use, store, or generate hazardous substances or polluting materials (including petroleum-based products)

Name o	f business:	_	Isabella County Road Commission
Name o	f business ow	ner(s):	
		_	Isabella County Road Commission
Street	and mailing a	ddress:	2261 E. Remus Road
			Mt. Pleasant, MI 48858
Teleph	one: (989	) 773-7131	
Fax:	(98	9) 772-2371	
Email	: _tca	sali@isabellaroa	ads.com
I affirm that t	he informati	on submitted i	s accurate.
Owner	r(s) signature :	and date:	t Ly J. Coroli
			16-19-2023
Inform	ation compiled	by:	
		-	No. Alexander

# Types and Quantities of Hazardous Substances and Polluting Materials Used, Stored or Generated On-Site

Please list the hazardous substances and polluting materials (including chemicals, hazardous materials, petroleum products, hazardous wastes and other polluting materials) which are expected to be used, stored or generated on -site. Quantities should reflect the maximum volumes on hand at any time. Attach additional pages if necessary to list all hazardous substances and polluting materials.

COMMON NAME	CHEMICAL NAME (components)	FORM	MAX QUANTITY ON HAND AT ONE TIME	TYPE OF STORAGE CONTAINERS
NONE				
0.				
·				
	KEY:			KEY:
	LiQ. = fiquid			AGT = above ground tank
•	P.UQ = pressurized liquid			DM = drums
ANON	S = solids			UGT = underground tank
	E Bas			Cy = cylinders
	PG == pressurized gas			CM = metal cylinders
				GW = wooden or composition
				container
				TP = portable tank

#### Section 14.2 Site Plan Review (excerpts)

#### A. Purpose and Scope.

The purposes of this Section are to establish uniform requirements of procedure for review of site plans for new development in the Township; to confirm compliance with this Ordinance and other Township ordinances prior to the start of construction; and to ensure that development in the Township is consistent with the adopted policies of the Township's Master Plan.

#### B. Authority.

Flexible standards have been established to ensure that the type of review and amount of required information is proportional to the project's scale and intensity. The Planning Commission shall have the authority to review and take action on preliminary site plan and final site plan applications and the Zoning Administrator shall have authority to review and take action on minor site plan applications, all in accordance with this Section and Ordinance.

- Preliminary site plan. Requirements for a preliminary site plan are intended to allow for review of the general character of the proposed use(s), general site layout, and location of structures and other site improvements; and to confirm that the overall development can conform to Ordinance requirements.
- 2. Final site plan. A final site plan is a set of engineering, architectural, and/or landscape design drawings that satisfy all applicable requirements of this Ordinance and outside agencies with jurisdiction, which are prepared by registered design professionals based on an approved preliminary site plan and depict all planned building, pedestrian access, parking, grading, drainage, infrastructure, exterior lighting, and other site improvement details for a given lot and development project.
- Minor site plan. The reduced information requirements for a minor site plan submittal, as specified
  in Section 14.2(P) (Required Site Plan Information), are intended to allow for administrative review
  of a limited range of low intensity projects that do not include significant engineering or design
  details.

#### C. Site Plan Approval Required.

No permits shall be issued, no construction of or addition to any structure shall take place, and no land use for which site plan approval is required shall be established or expanded until all required site plans have been approved in accordance with this Section and Ordinance. Except as permitted in accordance with this Section, no grading, grubbing, cutting of trees or other vegetation, excavation, landfilling, or construction of improvements shall commence for any development for which site plan approval is required until all required site plans have been approved in accordance with the following:

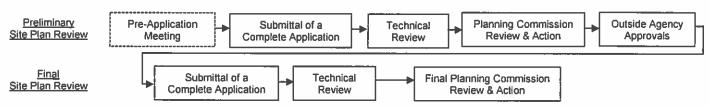
	Туре	of Approv	rai Requir	ed
Site Plan Approval Required	Preliminary Site Plan		Minor Site Plan	Exempt
Adult foster care large group homes, group child day care homes, and home-based limited businesses subject to special use permit approval in the zoning district per Section 3.			~	
All other land uses subject to special use permit approval in the zoning district, and all land uses for which site plan approval is otherwise required by provisions of this Ordinance.	~	~		
Farm-based tourism and entertainment activities (agri-tourism), public stables, permanent auction facilities, and religious institutions as allowed in the Agricultural (AG) District per Section 3.		~		
Private off-road courses as allowed in the Agricultural (AG) District per Section 3.			~	
Customary agricultural operations, private stables, and greenhouses as allowed in the Agricultural (AG) and Rural Residential (R-1) zoning districts per Section 3, provided that the structures and improvements shall conform to all applicable Ordinance standards.				>
Construction, relocation or alteration of a two family (duplex) dwelling, detached single family dwelling or customary accessory structures on a single lot, provided that the structures and improvements shall conform to all applicable Ordinance standards.				<b>&gt;</b>

	Туре	of Approv	al Requir	ed
Site Plan Approval Required	Preliminary Site Plan		Minor Site Plan	Exempt
Home occupations that conform to the requirements of Section 6.19.				~
Family day care homes, adult foster care family homes and small group homes, and child foster family homes and family group homes, as licensed by the State of Michigan.				~
Multiple-family residential buildings and uses, independent or dependent senior housing, assisted living facilities, nursing homes; homes for the aged, and religious institutions as allowed in the Residential Districts per Section 3.		>		
All land uses allowed in the Business Districts and Industrial Districts per Section 3.	<b>&gt;</b>	>		
All planned unit development (PUD) projects, as approved by the Township Board in accordance with Section 3.18.	>	>		
Construction or expansion of buildings, equipment storage yards, and associated above-ground site improvements occupied by or intended for occupancy by essential services in any zoning district.	>	<b>&gt;</b>		
The improvement, expansion, extension or abandonment of public or private overhead or underground utility lines or easements.				<b>y</b>
Any development which would, if approved, provide for the establishment of more than one principal use or building on a lot.	>	<		
Establishment or alteration of a condominium subdivision of an existing building into separate units in accordance with the Condominium Act and Section 5.1 of this Ordinance provided that no new construction or alteration of existing buildings or site improvements are proposed or required, and compliance with the requirements and standards of this Ordinance will not be affected.			<b>*</b>	
Establishment or alteration of any other condominium subdivision in accordance with the Condominium Act and Section 5.1.	>	<b>V</b>		
A change in use for an existing multiple-family, mixed use or non- residential building where the Zoning Administrator has determined that no new construction or alteration of the building or site improvements are required and compliance with the requirements and standards of this Ordinance will not be affected.			*	
Any other change in use for an existing multiple-family, mixed use or non-residential building.	<b>y</b>	<b>V</b>		
Expansion of an existing multiple-family, mixed use or non-residential principal building of up to ten percent (10%) of the gross floor area, and any alterations that affect the exterior appearance, pedestrian access or function of the building without a floor area increase.			<b>\</b>	
Expansion of an existing multiple-family, mixed use or non-residential principal building exceeding ten percent (10%) of the gross floor area.	>	~		
Relocation of a multiple-family, mixed use or non-residential building.	~	~		
Establishment or alteration of a multiple-family, mixed use or non- residential accessory use or structure where the Zoning Administrator has determined that compliance with the requirements and standards of this Ordinance will not be affected.			<b>&gt;</b>	
Any other establishment or alteration of any other multiple-family, mixed use or non-residential accessory use or structure,	~	~		
Expansion of any multiple-family, mixed use or non-residential off- street parking facility by up to 2,750 square feet.			~	

	Туре	of Approv	al Requir	ed
Site Plan Approval Required	Preliminary Site Plan		Minor Site Plan	Exempt
Expansion of any multiple-family, mixed use or non-residential off- street parking facility exceeding 2,750 square feet.	~	~		
Construction, extension or alteration of a private road, as authorized by Ord. No. 2009-09, that is located outside of a subdivision plat.	~	>		
Incidental changes during construction due to unanticipated site constraints or outside agency requirements, and minor landscaping changes or species substitutions, consistent with an approved final site plan.			~	
Incidental building modifications that do not significantly alter the facade, height or floor area of a multiple-family, mixed use or non-residential building.			~	
Changes to a site required to comply with State Construction Code requirements.			~	
Sidewalk or pedestrian pathway construction, or barrier-free improvements.			~	
Construction of fences, exterior lighting improvements, or installation of screening around a waste receptacle, mechanical unit or similar equipment for a multiple-family, mixed use or non-residential use.			~	
Re-occupancy of an existing multiple-family, mixed use or non- residential building that has been vacant for more than 365 calendar days, provided that no variances to the requirements of this Ordinance are required and the proposed use will be conducted within a completely enclosed building, and will not require access changes or other substantial modifications to the existing site.			~	

- Extraction operations. For extraction operations as authorized under the Township's Extraction Ordinance No. 20-01, Planning Commission approval of an Extraction Permit and associated mining and reclamation plans shall also constitute site plan approval for the use under this Ordinance.
- Mobile home parks. Construction, expansion or alteration of a mobile housing park shall be subject
  to preliminary plan approval in accordance with Section 3.12 and the procedures and standards
  established under Section 11 of the Mobile Home Commission Act (Public Act 96 of 1987, as
  amended), as summarized below:
  - a. The preliminary plan shall include the location, layout, general design, and general description of the project. The preliminary plan shall not include detailed construction plans.
  - b. In preparing the preliminary plan and when reviewing the plan, the developer and Planning Commission shall generally follow the review procedure outlined in this Section for preliminary site plan approval, where applicable, except where pre-empted by requirements of the Mobile Home Commission Act or Manufactured Housing Rules.
  - c. Pursuant to Section 11 of the Mobile Home Commission Act, the Planning Commission shall take action on the preliminary plan within 60 days after the Township officially receives the plan.

#### D. Summary of the Site Plan Review Processes.



NOTE: Applicant may combine preliminary and Final Site Plan Review, per Section 14.2(M)

P. Required Site Plan Information.

The following minimum information shall be included with any application for site plan approval, except where the Township Planner, Zoning Administrator or Planning Commission determines that an item of information is not applicable or necessary for review of the site plan:

Minimum Site Plan Information	Minor Site Plan	Preliminary Site Plan	Final Site Plan
SITE PLAN DESCRIPTIVE INFORMATION			
Name, address, and other contact information for the applicant and property owners, along with proof of ownership and signed consent if applicant is not the owner.	•	•	•
Name, address, and other contact information of the firm or individual preparing the site plan. Site plans prepared by an architect, community planner, engineer, landscape architect or land surveyor shall bear the individual's professional seal.		•	•
A final site plan shall be prepared and sealed by an architect, engineer, landscape architect or land surveyor registered in the State of Michigan.			•
Location, address(es), and tax identification number(s) of subject parcel(s); dimensions of the site, and the gross and net land area.	•	•	•
Legal description(s) of the subject parcel(s).		•	•
Legal description of the proposed development site and any non-contiguous open space area(s), if different from the subject parcel(s), with lot line angles or bearings indicated on the plan. Dimensions, angles, and bearings shall be based upon a boundary survey prepared by a registered surveyor.		•	•
Details of existing and proposed covenants or other restrictions imposed upon land or buildings, including bylaws, deed restrictions, and articles of incorporation for a cooperative, condominium, or homeowners' association.			•
Description of applicant's intentions regarding selling or leasing of all or portions of land, dwelling units or building spaces.		•	•
Residential projects: Gross and net dwelling unit density, lot area per dwelling unit, and a schedule of the number, sizes (bedrooms, floor areas), and types of dwellings.		•	•
A detailed use statement describing proposed use(s); including land or building areas for each use, number of units, number of anticipated employees, or other applicable information to verify Ordinance compliance.	•	•	•
SITE PLAN DATA AND NOTES			
Minor site plans shall be drawn to a scale appropriate for the sheet size and of such accuracy that the Zoning Administrator can readily interpret the plan.	•		
Preliminary and final site plans shall be drawn to an engineer's scale not greater than 1:50 and legible at the required sheet size. For a large development shown in sections on multiple sheets, one overall composite sheet shall be provided for clarity.		•	•
Vicinity map showing the general location of the site, map scale, north arrow, initial plan date, and any revision date(s).	•	•	•
Existing zoning classification(s) for the subject parcel(s) and surrounding parcels (including across road rights-of-way).		•	•
Owners' names, existing uses, and location of structures, drives, and improvements on surrounding parcels (including across rights-of-way).		•	•
Identification of all adjacent property in which the applicant(s), developer(s), or owner(s) have an ownership interest.		•	•
Dimensions of all property boundaries and interior lot lines.	•	•	•
Calculations for parking, lot coverage, total ground floor area, and other applicable Ordinance requirements.	•	•	•

Minimum Site Plan Information	Minor Site Plan	Preliminary Site Plan	Final Site Plan
EXISTING CONDITIONS			
Location of existing structures, fences, and driveways on the subject property, with notes regarding their preservation or alteration.	•	•	•
Location of existing walls, signs, utility poles and towers, pipelines, excavations, bridges, culverts, and other site features on the subject property, with notes regarding their preservation or alteration.		•	•
SITE PLAN DETAILS			
Delineation of required yards, and other setback areas and open space.	•	•	•
Identification of general location(s) and area(s) of each development phase; and the planned construction program and schedule for each development phase.		•	•
Location, width, purpose, and description of all existing and proposed easements and rights-of-way on or adjacent to the site.	•	•	•
Location, type, area, height, and lighting specifications of proposed signs.	•		•
An exterior lighting plan with all existing and proposed lighting locations, heights from grade, specifications, lamps types, and methods of shielding.	•		•
Location, area, and dimensions of any outdoor sales, display or storage areas.	•	•	•
Location of proposed outdoor waste receptacle enclosures; with size, elevation, and vertical cross-section showing materials and dimensions; indication how recycling will be implemented.		•	•
BUILDING DESIGN AND ORIENTATION			
Location, outline, ground floor area, and height of proposed structures; and of existing structures to remain on-site.	•	•	•
Dimensions, number of floors, and gross and net floor area of proposed principal buildings; and of existing principal buildings to remain on-site.		•	•
Separation distances between adjacent buildings, and between buildings and adjacent lot boundaries.		•	•
Detailed exterior building façade elevation drawings for all proposed dwellings, principal buildings, and additions, drawn to an appropriate scale and indicating types, colors, and dimensions of finished wall materials.		•	•
Finished floor elevations and contact grade elevations for proposed principal buildings and existing principal buildings to remain on-site, referenced to a common datum			•
acceptable to the Township Engineer.			
acceptable to the Township Engineer. ACCESS AND CIRCULATION			
		•	•
ACCESS AND CIRCULATION  Locations, layout, surface type, centerlines, road pavement and right-of-way widths, and indication of public or private road status for all existing and proposed roads and	•	•	•
ACCESS AND CIRCULATION  Locations, layout, surface type, centerlines, road pavement and right-of-way widths, and indication of public or private road status for all existing and proposed roads and access drives serving the site.  Conceptual locations, layout, and surface type for all parking lots, sidewalks, and	•	•	•
ACCESS AND CIRCULATION  Locations, layout, surface type, centerlines, road pavement and right-of-way widths, and indication of public or private road status for all existing and proposed roads and access drives serving the site.  Conceptual locations, layout, and surface type for all parking lots, sidewalks, and pedestrian pathways within and accessing the site.  Locations and dimensions of vehicle access points, and distances between adjacent	•	•	•

Minimum Site Plan Information	Minor Site Plan	Preliminary Site Plan	Final Site Plan
Parking space angles; maneuvering aisle, island, and median dimensions; surface type; fire lanes; drainage patterns; location of loading areas; and typical cross-section showing surface, base, and sub-base materials.		•	•
Identification of proposed names for new public or private roads serving the site.		•	
Spot elevations for existing roads on and adjacent to the subject parcel(s), including surface elevations at intersections with the internal roads and drives serving the proposed development; curve-radii and road grades; location and details of curbs, and turning lanes; and typical road cross sections showing surface, base, and sub-base materials and dimensions.			•
NATURAL FEATURES AND OPEN SPACE AREAS			
A general description and preliminary delineation of existing natural features on and abutting the site.		•	•
Details of all existing natural features on the site; indications of features to be preserved, removed, or altered; and any mitigation measures as may be required by Township ordinance or state statute.			•
Outdoor open space and recreation areas; location, area, and dimensions.			
Description of the organization that will own and maintain open space and recreation areas, and a long-term maintenance plan for such areas.	L		•
SCREENING AND LANDSCAPING			
General layout of proposed landscaping and screening improvements; including plantings, topographic changes, and similar features.	•	•	•
A detailed landscape plan, including location, size, quantity and type of proposed plant materials and any existing plant materials to be preserved.			•
Planting list for all landscape materials, with the method of installation, botanical and common name, quantity, size, and height at planting.			•
Landscape maintenance plan, including notes regarding replacement of dead or diseased plant materials.			•
Proposed fences, walls, and other screening devices, including typical cross section, materials, and height above grade.	•	•	•
Screening methods for any waste receptacle areas, ground-mounted generators, transformers, mechanical (HVAC) units, and similar devices.	•	•	•
UTILITIES, STORMWATER MANAGEMENT, AND GRADING			
General layout of existing and proposed water supply systems, sanitary sewerage or septic systems, and stormwater management facilities.		•	•
Details of the location, layout, and size or capacity of the existing and proposed potable water supply and sewage treatment and disposal facilities serving the site, including line sizes, inverts, hydrants, flow patterns, manholes, and catch basins.			•
Location, size, and slope of proposed detention or retention ponds; and location and size of underground tanks and drain lines where applicable.			•
Calculations for capacity of stormwater management and drainage facilities.		]	•
Location and size of existing and proposed telephone, gas, electric, and similar utility lines and surface-mounted equipment.			•
General areas of intended filling or cutting.		•	•
Directional arrows showing existing and proposed drainage patterns on the lot.	•		•

Minimum Site Plan Information	Minor Site Plan	Preliminary Site Plan	Final Site Plan
A detailed grading plan, with details of proposed filling or cutting, existing and proposed topography at a minimum of two (2) foot contour levels, stormwater runoff drainage patterns, and a general description of grades within 100 feet of the site. All finished contour lines are to be connected to existing contour lines within the site or at the parcel boundaries.			•
Locations, dimensions, and materials of proposed retaining walls, with fill materials and typical vertical sections.		•	•
Description of measures to control soil erosion and sedimentation during construction operations, and until permanent groundcover is established.			•
Other information as requested by the Township Planner, Zoning Administrator or Planning Commission to verify compliance with the standards and conditions imposed by this Ordinance, the policies of the Township Master Plan, and other applicable Township ordinances or state statutes.	•	•	•

#### Q. Expiration and Extension of Site Plan Approval.

Site plan approvals shall expire and may be extended in accordance with the following:

- Expiration of preliminary site plan approval. Approval of a preliminary site plan shall be valid for a
  period of 545 calendar days from the date of approval and shall expire and be of no effect unless an
  application for final site plan approval for all or part of the area included in the approved preliminary site
  plan is filed with the Township Clerk within that time period.
- Expiration of final site plan approval. A final site plan shall expire and be of no effect unless
  construction has begun on the property and is diligently pursued in conformance with the approved final
  site plan within 545 calendar days of the final site plan approval.
- 3. Extension of preliminary or final site plan approval. The Planning Commission may, at its discretion and upon written request and showing of good cause by the applicant, grant an extension of a preliminary or final site plan approval for up to 365 calendar days, provided that site conditions have not changed in a way that would affect the character, design or use of the site, and that the approved site plan remains in conformance with applicable provisions of this Ordinance.
- 4. Expiration of Minor Site Plan Approval. A minor site plan shall expire and be of no effect unless, within 365 calendar days of approval, appropriate permits have been approved, construction has begun on the property, and such work is diligently pursued in conformance with the approved minor site plan. No extensions of minor site plan approval shall be granted by the Zoning Administrator.

#### R. Phasing of Development.

The applicant may divide the development into two (2) or more phases. Phasing shall be subject to the following requirements:

- In the case of a phased development, the preliminary site plan shall cover the entire property involved and shall clearly indicate the location, size, and character of each phase.
- In the case of a phased development, a final site plan shall be submitted for review and approval for each phase.
- A phase shall not be dependent upon subsequent phases for safe and convenient vehicular and
  pedestrian access, adequate utility services, or open spaces and recreation facilities, and shall be
  capable of substantial occupancy, operation, and maintenance upon completion of construction and
  development.
- 4. The Township Planner or Planning Commission may require the applicant to post an acceptable performance guarantee to ensure that vehicular and pedestrian ways, utility services, open space and recreation facilities, and other amenities and infrastructure planned for later phases of the development are completed in a timely fashion.

S. Standards for Site Plan Approval.
In reviewing a minor, preliminary or final site plan, the Zoning Administrator or Planning Commission shall determine that the following standards are met, as applicable to the type of site plan:

Standards for Site Plan Approval	Minor Site Plan	Preliminary Site Plan	Final Site Pan
The applicant is legally authorized to apply for site plan approval, and all required information has been provided.	•	•	•
The proposed development conforms to the applicable standards and conditions imposed by this Ordinance and other applicable Township ordinances.	•	•	•
The final site plan is consistent with the policies of the Master Plan and other adopted Township planning documents, and with the approved preliminary site plan.			•
The proposed development will be harmonious with and not harmful, injurious, or objectionable to the environment or land uses in surrounding area.	•	•	•
The proposed development respects natural topography, floodways, and floodplains; and minimizes the amount and extent of cutting and filling.		•	•
Organic, wet, or other soils that are not suitable for development will be undisturbed or modified in such fashion as to make development feasible.		•	•
The movement of the vehicular and pedestrian traffic within the site and in relation to access streets and sidewalks will be safe and convenient.	•	•	•
The proposed development is adequately coordinated with improvements serving the area, and with other existing or planned development in the vicinity.		•	•
Satisfactory and harmonious relationships will exist between the proposed development and the existing and planned development of contiguous lands and the surrounding area, including provisions for proper extensions of public roads and sidewalks through the development in accordance with the Township ordinances.		•	•
Development phases are in logical sequence so that any phase will not depend upon a subsequent phase for access, utilities, drainage or erosion control.		•	•
The plan, including all engineering drawings, meets Township standards for fire and police protection, water supply, sewage disposal or treatment, storm drainage, and other public facilities and services.			•
The drainage plan conforms to applicable drainage and stormwater management standards, and any proposed improvements are adequate to handle anticipated stormwater runoff and accommodate upstream drainage without causing undue runoff on to neighboring property or overloading of area watercourses.			•
Proposed screening, buffering, and landscaping improvements are adequate for the location and intended purpose and conform to the standards of this Ordinance.	•		•
Exterior lighting conforms to Ordinance requirements and standards, and will not adversely affect adjacent or neighboring properties or traffic on adjacent roads.	•		•
The parking layout and vehicular circulation patterns and access points to the site are adequate to serve the proposed uses and will not adversely affect the flow of traffic on adjacent roads or create pedestrian-vehicle conflicts.	•		•
Grading or filling will not destroy or adversely affect the character of the property, adjacent properties or the surrounding area.			•
Erosion will be controlled during and after construction and will not adversely affect adjacent or neighboring property or public facilities or services.			•
The plan meets applicable standards of governmental agencies with jurisdiction, and necessary outside agency approvals have been obtained or are assured.	•		•

#### PERMIT INFORMATION CHECKLIST FOR FINAL SITE PLANS

#### Michigan.gov/EGLEpermits

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has prepared a list of key questions to help identify what EGLE permits, licenses, or approvals of a permit-like nature may be needed. By contacting the appropriate offices indicated, you will help reduce the possibility that your project or activity will be delayed due to the untimely discovery of additional permitting requirements later in the construction process. While this list covers the existence of permits and approvals required from EGLE, it is not a comprehensive list of all legal responsibilities. A useful way to learn whether other requirements will apply is to go through the Self-Environmental Assessment in the Michigan Guide to Environmental, Health, and Safety Regulations, online at: Michigan gov/EHSquide. Please call the Environmental Assistance Center at 800-662-9278 to talk with any of the EGLE programs noted below. [insertions and edits by Union Township]

Но	w Do I Know that I Need a State of Michigan, County or Local Permit or Approval?	Yes	No
1)	Will your business involve the installation or construction of any process equipment that has the potential to emit air contaminants (e.g. dry sand blasting, boilers, standby generators)? Air Quality Permit to Install, Air Quality Division (AQD), Permit Section	Y	NX
2)	Does the project involve renovating or demolishing all or portions of a building? Notification is required for asbestos removal and required for all demolitions even if the structure never contained asbestos. Asbestos Notification, AQD, <u>Asbestos Program</u> , 517-284-6777	Y	NX
3)	Please consult the <u>Permitting at the Land and Water Interface Decision Tree document</u> to evaluate whether your project needs a land and water management permit (i.e., Does the project involve filling, dredging, placement of structures, draining, or use of a wetland?). Land and Water Featured Programs (Water Resources Division - WRD) - <u>Joint Permit Application</u> , 517-284-5567:		
	Does the project involve construction of a building or septic system in a designated     Great Lakes high risk erosion area?	Υ□	NX
	b. Does the project involve dredging, filling, grading, or other alteration of the soil, vegetation, or natural drainage, or placement of permanent structures in a designated environmental area?	Υ□	NX
!	<ul> <li>c. Does the project propose any development, construction, silvicultural activities or contour alterations within a designated critical dune area?</li> <li>d. Does the project involve construction of a dam, weir or other structure to impound</li> </ul>	Υ□	NX
	flow?	Υ□	NX
4)	Does the project involve an earth change activity (including land balancing, demolition involving soil movement, and construction) or does the project involve construction which will disturb one or more acres that come into contact with storm water that enters a storm sewer, drain, lake, stream, or other surface water? Union Township and Isabella County	YΧ	Ν□
5)	Does the project involve the construction or alteration of a water supply system system? Union Township Public Services Department and Drinking Water & Environmental Health Division (DWEHD), 517-284-6524	ΥX	N□
6)	Does the project involve construction or alteration of any sewage collection or treatment facility? Union Township Public Services Department and WRD, Part 41 Construction  Permit Program (staff), 906-228-4527, or EGLE District Office	Υ□	NX
7)	Public Swimming Pool Construction (Spas/Hot Tubs) Permits: Will your business involve the construction or modification of a public swimming pool, spa or hot tub? Union Township and Public Swimming Pool Program, 517-284-6541, or EGLE District Office	Υ□	NX
8)	Does the project involve the construction or modification of a campground? Union Township and DWEHD, Campgrounds program, 517-284-6529	Υ□	NX

9)	Does the project involve construction of a facility that landfills, transfers, or processes of any type of solid non-hazardous waste on-site, or places industrial residuals/sludge into or onto the ground? Materials Management Division (MMD), <u>Solid Waste</u> , 517-284-6588, or <u>EGLE District Office</u>	Y	NX
10)	Does the project involve the construction of an on-site treatment, storage, or disposal facility for hazardous waste? MMD, Hazardous Waste Section, <u>Treatment, Storage and Disposal</u> , 517-284-6562	Υ□	NX
Wh	o Regulates My Drinking (Potable) Water Supply?		
11)	I am buying water from the municipal water supply system Contact the Union Township Public Services Dept.	YX	N 🗆
12)	I have a Non-Community Water Supply (Type II) <u>Guide</u> , <u>Contact (District or County) Local</u> <u>Health Department</u> , 517-485-0660	Y	NX
13)	I am a community water supply (Type I) <u>Community Water Supply</u> , <u>DWEHD District Office</u> <u>Community Water Supply Program</u> , 517-284-6512	Υ□	NΧ
14)	Do you desire to develop a <u>withdrawal of over 2,000,000 gallons of water per day</u> from any source including groundwater, inland surface water, or the Great Lakes and their connecting waterways? WRD, Great Lakes Shorelands Unit, Water Use Program, 517-284-5563	Y	NX
Wh	o Regulates My Wastewater Discharge System?		
15)	NPDES: Does the project involve the discharge of any type of wastewater to a storm sewer, drain, lake, stream, or other surface water? WRD, <u>EGLE District Office</u> , or <u>National Pollutant Discharge Elimination (NPDES) Permit Program</u> , 517-284-5568	Y	NX
16)	Does the facility have industrial activity that comes into contact with storm water that enters a storm sewer, drain, lake, stream, or other surface water? WRD, <u>Permits Section</u> , or <u>EGLE</u> <u>District Office</u> , 517-284-5588	Y	NX
17)	Does the project involve the discharge of wastewaters into or onto the ground (e.g. subsurface disposal or irrigation)? WRD, <u>Groundwater Permits Program</u> , 517-290-2570	Y	NX
18)	Does the project involve the drilling or deepening of wells for waste disposal? Oil, Gas and Minerals Division (OGMD), 517-284-6841	Y	NX
Wh	at Operational Permits Are Relevant to My Operation and Air Emissions?		
19)	Renewable Operating Permit: Does your facility have the potential to emit any of the following: 100 tons per year or more of any criteria pollutant; 10 tons per year or more of any hazardous air pollutant; or 25 tons per year or more of any combination of hazardous air pollutants? AQD, <a href="Permit Section">Permit Section</a> , 517-284-6634	Υ□	NX
20)	Does your facility have an electric generating unit that sells electricity to the grid and burns a fossil fuel? AQD, <u>Acid Rain Permit Program</u> , 517-780-7843	Υ□	NX
Wh	at Operational Permits Are Relevant to My Waste Management?		
21)	Does the project involve landfilling, transferring, or processing of any type of solid non-hazardous waste on-site, or placing industrial residuals/sludge into or onto the ground? <a href="MMD">MMD</a> , 517-284-6588 or <a href="EGLE District Office">EGLE District Office</a>	Υ□	NX
22)	Does the project involve the on-site treatment, storage, or disposal of hazardous waste? MMD, <u>Hazardous and Liquid Waste</u> , 517-284-6562	Υ□	NX
	Does the project require a site identification number (EPA number) for regulated waste activities (used oil, liquid waste, hazardous waste, universal waste, PCBs)? (Hazardous Waste Program Forms & License Applications) MMD, EGLE District Office, 517-284-6562	Υ□	NX

24) Does the project involve the receipt, possession, manufacture, use, storage, transport, transfer, release, or disposal of radioactive material in any form? MMD, <u>Radioactive Material and Standards Unit</u> , 517-284-6581	Υ□	N⊠
25) Does the project involve decommissioning or decontamination of tanks, piping, and/or appurtenances that may have radioactive levels above background? MMD Radioactive Material and Standards Unit, 517-284-6581	Υ□	NX
26) Does the project involve the generation of medical waste or a facility that treats medical waste prior to its disposal? MMD, Medical Waste Regulatory Program, 517-284-6594	Y□	NX
What Sector-Specific Permits May be Relevant to My Business?		
Transporters  27) Does the project involve the <i>transport</i> of some other facility's non-hazardous liquid waste?	Y	NX
<ul> <li>MMD, <u>Transporter Program</u>, 517-284-6562</li> <li>28) Does the project involve the <i>transport</i> of hazardous waste? MMD, <u>Transporter Program</u>, 517-284-6562</li> </ul>	Y	NX
29) Do you engage in the business of transporting bulk water for drinking or household purposes (except for your own household use)? DWEHD, Water Hauler Information, 517-284-6527	Y	NX
30) Does the project involve transport of septic tank, cesspool, or dry well contents or the discharge of septage or sewage sludge into or onto the ground? DWEHD, <u>Septage Program</u> , 517-284-6535	Υ□	NX
31) Do you store, haul, shred or process scrap tires? MMD, Scrap Tire Program, 517-284-6586	Y	NX
Sectors		
32) Is the project a <i>dry cleaning</i> establishment utilizing perchloroethylene or a flammable solvent in the cleaning process? AQD, <u>Dry Cleaning Program</u> , 517-284-6780	Υ□	N区
33) Does your <i>laboratory</i> test potable water as required for compliance and monitoring purposes of the Safe Drinking Water Act? <u>Laboratory Services Certifications</u> , 517-284-5424	Υ□	N⊠
34) Does the project involve the operation of a <i>public swimming pool</i> ? DWEHD, <u>Public Swimming Pools Program</u> , 517-284-6529	Y	NX
35) Does the project involve the operation of a <i>campground</i> ? <b>Union Township</b> and DWEHD, <u>Campgrounds</u> , 517-284-6529	Y	NK
What Permits Do I Need to Add Chemicals to Lakes and Streams?		
36) Are you applying a chemical treatment for the purpose of aquatic nuisance control (pesticide/herbicide etc.) in a water body (i.e. lake, pond or river)? WRD, Aquatic Nuisance Control, 517-284-5593	Υ□	NX
37) Are you applying materials to a water body for a water resource management project (i.e. mosquito control treatments, dye testing, or fish reclamation projects)? WRD, <a href="Surface Water Assessment Section">Surface Water Assessment Section</a> , 517-331-5228	Υ□	NX

Why would I be subject to Oil, Gas and Mineral Permitting?		
38) Do you want to operate a central production facility (applies to oil and gas production facilities where products of diverse ownership are commingled)? OGMD, Petroleum Geology and Production Unit, 517-284-6826	Y	N⊠
39) Does the project involve the removal of sand from a sand dune area within two (2) miles of a Great Lakes shoreline? OGMD, Minerals and Mapping Unit, <u>Sand Dune Mining Program</u> , 517-284-6826	Y	NΣ
40) Does the project involve decommissioning or decontamination of tanks, piping, and/or appurtenances that may have radioactive levels above background? MMD, Radioactive Protection Programs, 517-284-6581	Y	NΧ
Petroleum & Mining, OGMD, 517-284-6826 41) Does the project involve the diversion and control of water for the mining and processing of low-grade iron ore?	Y	NΧ
<ul> <li>42) Does the project involve the surface or open-pit mining of metallic mineral deposits?</li> <li>43) Does the project involve the mining of nonferrous mineral deposits at the surface or in underground mines?</li> <li>44) Does the project involve mining coal?</li> </ul>	Y	N⊠ N⊠ N X
<ul><li>45) Does the project involve changing the status or plugging of a mineral well?</li><li>46) Does the project involve the drilling or deepening of wells for brine production, solution mining, storage, or as test wells?</li></ul>	Y 🗆	NX NX

Contact Union Township and EGLE Permits & Bonding, OGMD, 517-284-6841



#### **Required Agency Contact Information**

#### Mt. Pleasant Fire Department

Lt. Brad Doepker 804 E. High St.

Mt. Pleasant, MI 48858 Office: 989-779-5122 Cell Phone: 989-506-1442.

Email: bdoepker@mt-pleasant.org

# <u>Isabella County Drain Office – Stormwater</u>

Management

Timothy A. Warner, Project Manager Rm 140, 200 N. Main Street Mt. Pleasant, MI 48858 Ph# (989) 772-0911, ext. 222 Fax# (989) 779-8785

Email: twarner@isabellacounty.org

# <u>Charter Township of Union Department of</u> <u>Public Services</u>

Kim Smith, Public Works Department Director 5228 South Isabella Road Mt. Pleasant, MI 48858 Phone (989) 772-4600 ext. 224 Fax (989) 773-1988 ksmith@uniontownshipmi.com

#### **Isabella County Road Commission**

Patrick J. Gaffney, PE, Engineer Superintendent 2261 E. Remus Rd. Mt. Pleasant, MI 48858 989-773-7131 x115 989-772-2371 fax pgaffney@isabellaroads.com

#### Isabella County Transportation Commission

Rick Collins, Executive Director
2100 E. Transportation Dr.
Mt. Pleasant, MI 48858
Phone 989-773-6766
Fax 989-773-1873
rcollins@ictcbus.com

#### Site Plan Review Process:

## Contact Information for Outside Agencies

#### **Optional Agency Contact Information**

Michigan Transportation Department (Only required when work done in M-20 ROW) \*
Ben Burrows
Mt. Pleasant TSC
1212 Corporate Drive
Mount Pleasant, MI 48858

burrowsb@michigan.gov

989-775-6104 ext. 305

#### City of Mt. Pleasant - Division of Public Works

(Only required for Mt Pleasant city

water/sewer) \*

Stacie Tewari, P.E., LEED® AP

City Engineer

1303 N. Franklin Avenue Mt. Pleasant, MI 48858 Phone: 989.779.5404

Fax: 989.772.6250

stewari@mt-pleasant.org

#### Isabella County Soil Erosion & Sedimentation

Control

200 N. Main St.

Mt. Pleasant, MI 48858

989-317-4061

#### Central Michigan District Health Department

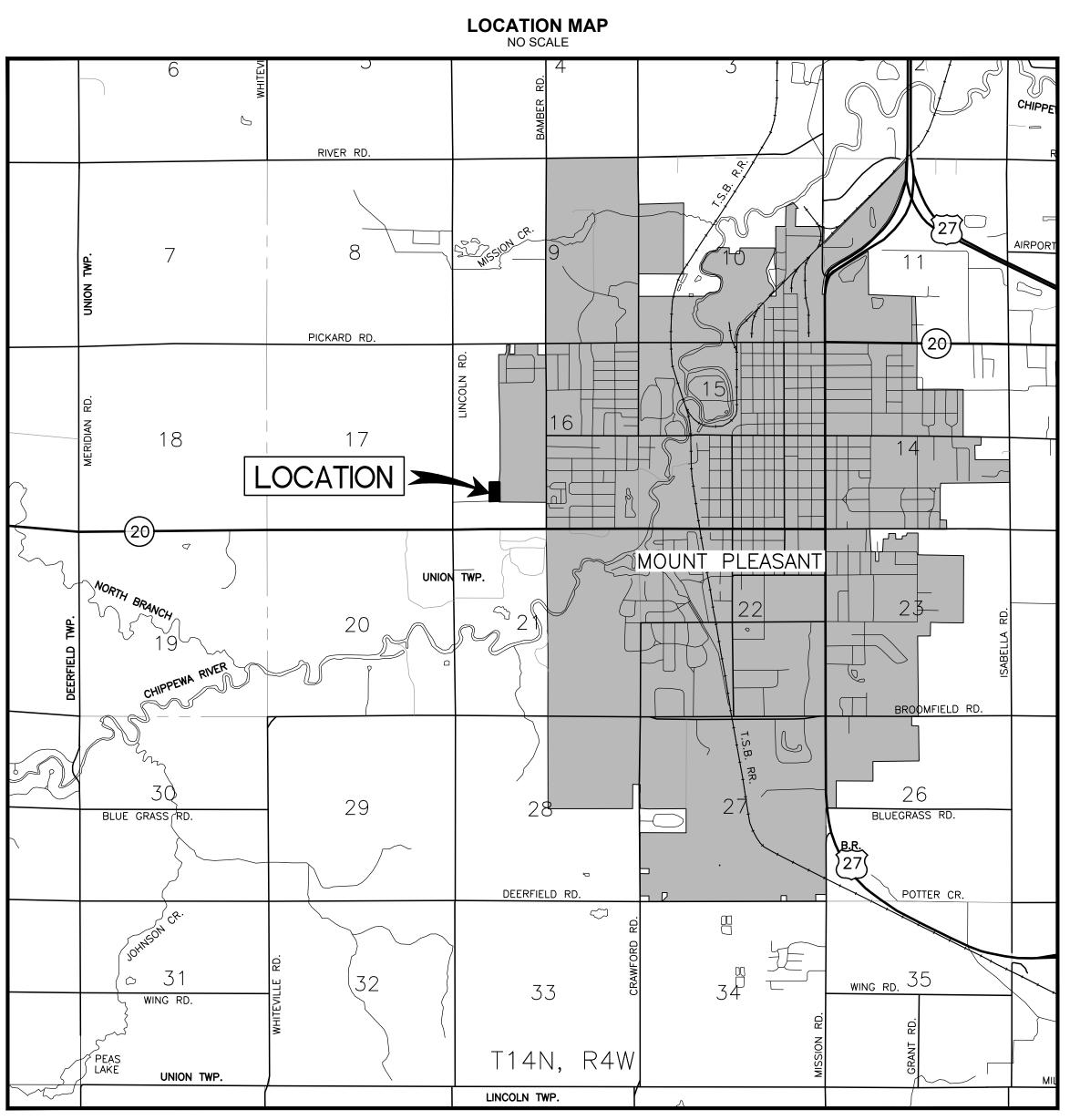
2012 E. Preston Mt. Pleasant, MI 48858 989-773-5921

DTE

111 E. Pickard St. Mt Pleasant, MI 48858 989-772-9061

Miss Dig

1-800-482-7171



			LEGEND		
0	DRAINAGE MANHOLE	<u> </u>	BENCHMARK		DECIDUOUS TREE
	CATCH BASIN	P	FLAG POLE	**	CONIFEROUS TREE
$\triangleright$	CULVERT END SECTION	D	UTILITY POLE	9	BUSH OR SHRUB
<b>S</b>	SANITARY SEWER MANHOLE	(	GUY ANCHOR	M	STUMP
o <sup>C.O.</sup>	SANITARY SEWER CLEANOUT	E	ELECTRICAL TRANSFORMER	•	SOIL BORING
©	FORCE MAIN CLEANOUT	Ē	ELECTRIC METER	st	STORM SEWER
0	SIGN - SINGLE POST	(E)	ELECTRICAL MANHOLE	SAN	SANITARY SEWER
0 0	SIGN - DOUBLE POST	Œ	ELECTRICAL VAULT	—— онw——	OVERHEAD WIRE
Ç,	FIRE HYDRANT	DO	PEDESTRIAN SIGNAL	—— G ——	GAS LINE
$\otimes$	WATER VALVE	ф	LIGHT POLE	— Е — Е —	ELECTRIC LINE
Š	CURB STOP	•	WALL PACK LIGHT	—— Р	PHONE LINE
W	WATER METER		A.C. COMPRESSOR	тv	CABLE TV LINE
<b>(</b>	WATER WELL	⊠[	ELECTRICAL PANEL	— w —	WATER LINE
W	WATER MANHOLE	<b>M</b>	MONITORING WELL	xx	FENCE LINE
<u></u>	YARD HYDRANT	Ğ∨	GAS VALVE	~~~~	TREELINE
IRR 	IRRIGATION VALVE	©	GAS METER		EXISTING ASPHALT
₩	IRRIGATION SPRINKLER HEAD	T	TELEPHONE VAULT	Δ	EXISTING CONCRETE
<b>\$</b>	GOVERNMENT CORNER	$\bigcirc$	TELEPHONE MANHOLE	+ + + + + + + + + + + + + + + + + + +	EXISTING GRAVEL
•	FOUND PROPERTY CORNER	$\bigoplus$	PEDESTAL		EXISTING PULVERIZED ASPHAL
	FOUND CONCRETE MONUMENT	C	CABLE VAULT		EXISTING RIPRAP
<b>A</b>	FOUND PK OR MAG NAIL	$\oplus$	HANDHOLE	(M)	MEASURED
0	SET CAPPED IRON #46677	⊗	POST	(R)	RECORDED
Δ	SET MAG NAIL	<b>©</b>	BOLLARD		
P #1000	CONTROL POINT		MAILBOX		

# ZONING REQUIREMENTS

<b>ZONED</b> : R-2A		
Lot Standards	One Family	Two Fan
Minimum Lot Width (ft.) (e):	100	120
Minimum Lot Area (sq. ft.) (e):	14,000	17,00
Minimum Dwelling Unit Width (ft.):	30	30
Minimum Floor Area Per Unit (sq. f	ft.): 600	750
Maximum Building Height (ft.):	35	35
Maximum Lot Coverage	40%	40%
Municipal Sewer Required:	No	No
Minimum Setbacks (ft.)		

Minimum Setbacks (ft.)
Front Yard (g): 35
Side Yard (one) (c): 10
Side Yard (total of two): 20
Rear Yard: 35

Applicable Footnotes"

c. Side yards facing a street shall comply with front yard setback requirements.e. The minimum lot width and lot area for lots having municipal sewer may be

reduced to the following requirements:

1. One-Family Unit

Lot Width: 80 feet

Lot Area: 12,000 square feet

2. Two-Family Unit

Lot Width: 100 feet

Lot Area: 15,000 square feet

g. The front yard setback along the following roads shall be fifty (50) feet if the right-of-way width is sixty-six (66) feet or less. Portions of roads shall be automatically removed from the list of either if the following conditions are met:

1. The total right-of-way is increased to one hundred (100) feet or more.

2. The right-of-way on one side of the road is increased to fifty (50) feet or more, in which case that side of the road shall be removed from the list.

PROPERTY ADDRESS

**OWNER / APPLICANT** 

NOTES

MARKERS FOUND AT THE TIME OF SURVEY. SHOWN LOCATIONS

ARE NOT INTENDED TO BE EXACT AND CONTRACTORS MUST VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION.

1. SHOWN UNDERGROUND UTILITY LOCATIONS REFLECT INFORMATION COLLECTED FROM UTILITY OWNERS AND VISIBLE

ISABELLA COUNTY ROAD COMMISSION

2261 E. REMUS ROAD MT. PLEASANT, MI 48858 PHONE: (989) 773-7131

NO KNOWN STREET NUMBER ASSIGNED

TRANSPORTATION DRIVE MT. PLEASANT, MI 48858

Lincoln Road, from Pickard Road to Broomfield Road.
That portion of Bradley Street in the Township, from Remus Road north to the City boundary.

That portion of Crawford Road in the Township, from Millbrook Road to the City boundary.
Isabella Road, from the US-27 Overpass to its termination at Business 27.

Pickard Road, from Lincoln Road to Bamber Road (Bradley Street).
Broadway Street Extension, from the City boundary to Lincoln Road.

Broomfield Road, from Lincoln Road to the US-27 overpass.
Bluegrass Road, from Isabella Road to Mission Road.

Deerfield Road, from Meridian Road to Mission Road.

	SHEET INDEX
Sheet Number	Sheet Title
C1	COVER SHEET
C2	TOPOGRAPHIC SURVEY
C3	SITE PLAN
C4	GRADING-PLAN
C5	STORM SEWER PLAN & PROFILE
C6	WATER MAIN PLAN & PROFILE
C7	STORM WATER MANAGEMENT PLAN
C8	STORM WATER MANAGEMENT CALCULATIONS
C9	SOIL EROSION CONTROL PLAN
C10	LANDSCAPE PLAN
C11	LANDSCAPE PLAN
C12	DETAILS
C13	POLE BUILDING ELEVATIONS
C14	SALT STORAGE BUILDING ELEVATIONS
0.45	DUIGTON/ETDIG DUANI

# PROPERTY DESCRIPTION

PHOTOMETRIC PLAN

Part of the Southwest One-quarter of the Southwest One-quarter of Section 16, T14N, R4W, Union Township, Isabella County, Michigan, described as commencing at the Southwest Corner of said Section 16; thence N. 00°08'43" W, along the West line of said Section 16, 1325.40 feet to the South One-eighth line of said Section 16; thence N. 89°04'35" E., along said South One-eighth line, 1047.36 feet to the true POINT OF BEGINNING: thence continuing N. 89°04'35" E., along said South One-eighth line, 275.57 feet to the West One-eighth line of said Section 16; thence S. 00°04'55" E., along said South One-eighth line, 538.42 feet; thence S. 86°57'13" W., 275.93 feet; thence N. 00°08'43" W., along the Easterly line of Transportation Drive, 83.07 feet; thence continuing along said Easterly line of Transportation Drive, N. 00°04'06" W., 42.93 feet; thence N. 00°04'06" W., 422.64 feet to the point of beginning. Containing 3.44 acres more or less. Subject to easements, right of ways, restrictions and reservations whether used, implied or of record.

# **PARCEL SIZE**

PARCEL CONTAINS 3.44 ACRES

# BENCHMARKS

FOUND CHISELED "X" ON NORTHEAST BOLT OF UPPER FLANGE OF FIRE HYDRANT. ELEV. 789.26'

SM #2 SET REROD CONTROL POINT (PT. #10003) ELEV. 779.61'

# MISS DIG/UNDERGROUND UTILITY NOTIFICATION

FOR THE PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CONTACT MISS DIG SYSTEM, INC. BY PHONE AT 811 OR 800-482-7171 OR VIA THE WEB AT EITHER ELOCATE.MISSDIG.ORG FOR SINGLE ADDRESS OR RTE.MISSDIG.ORG, A MINIMUM OF 3 BUSINESS DAYS PRIOR TO EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.



SURVEYING & ENGINEERING, I

DB NO. 210016

DRAWN BY: TPL

March 21, 2023
SHEET NO.

**C**1

027

SHEET TITLE:

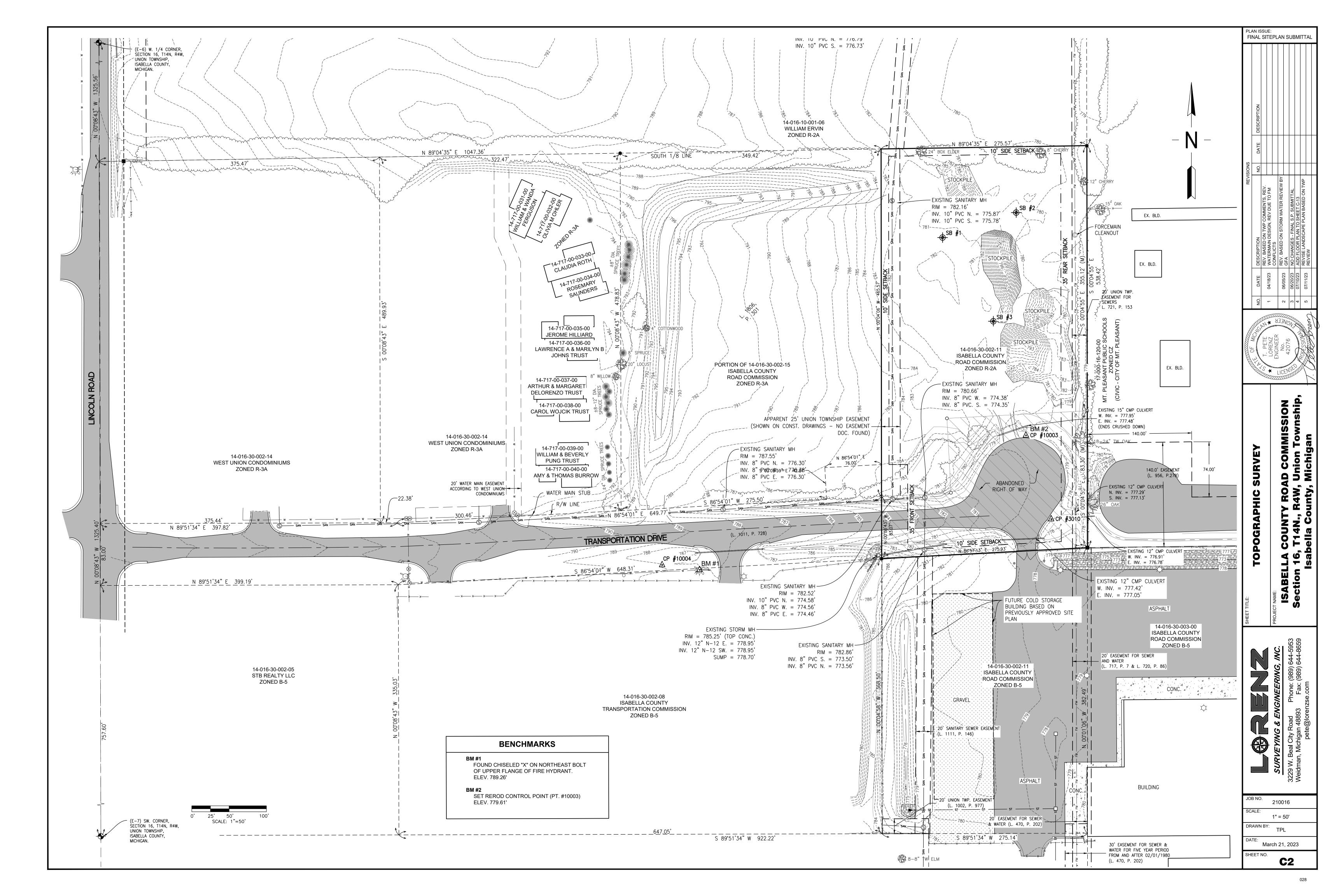
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PROJECT NAME:

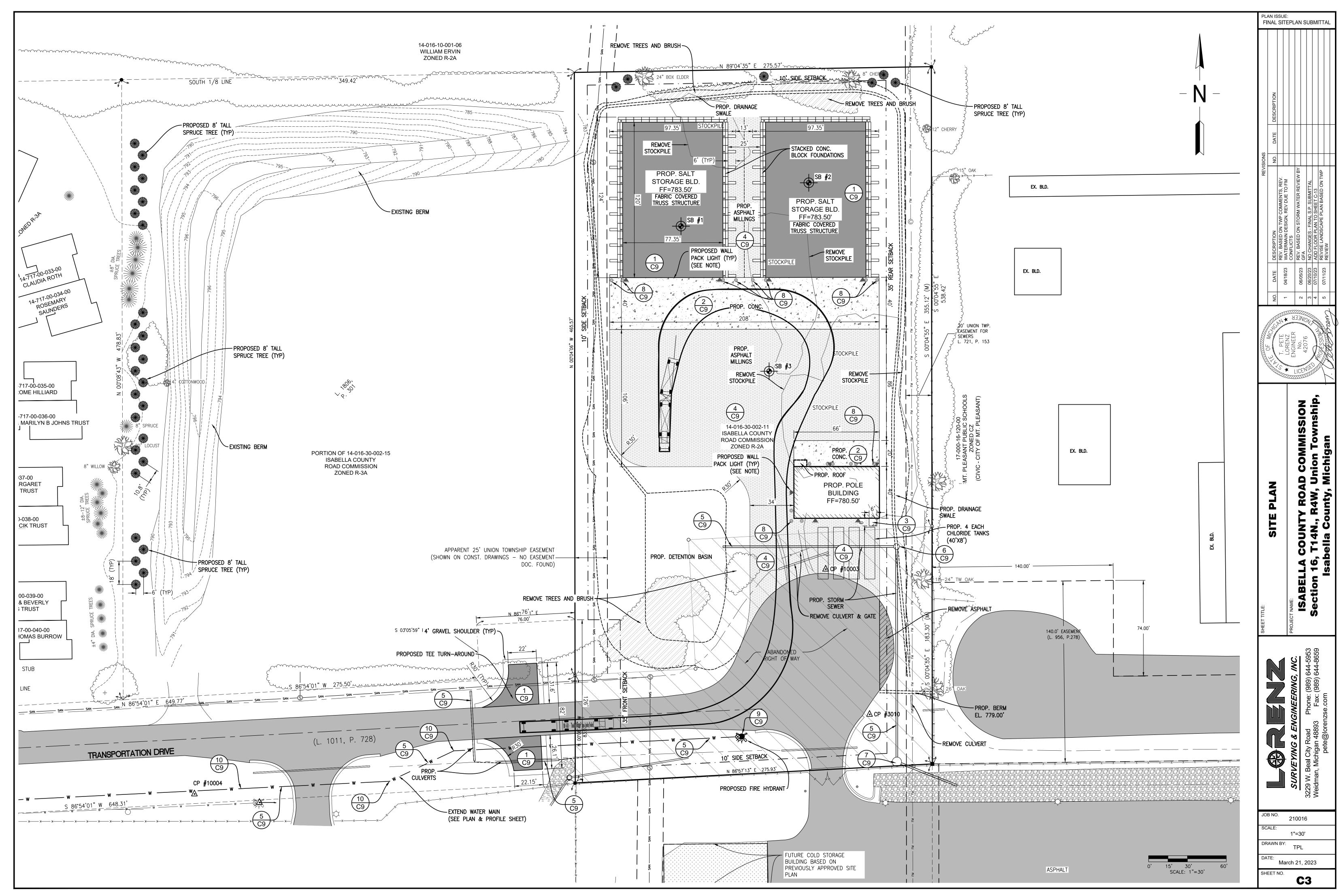
ISABELLA COUNTY
Section 16, T14N., R.

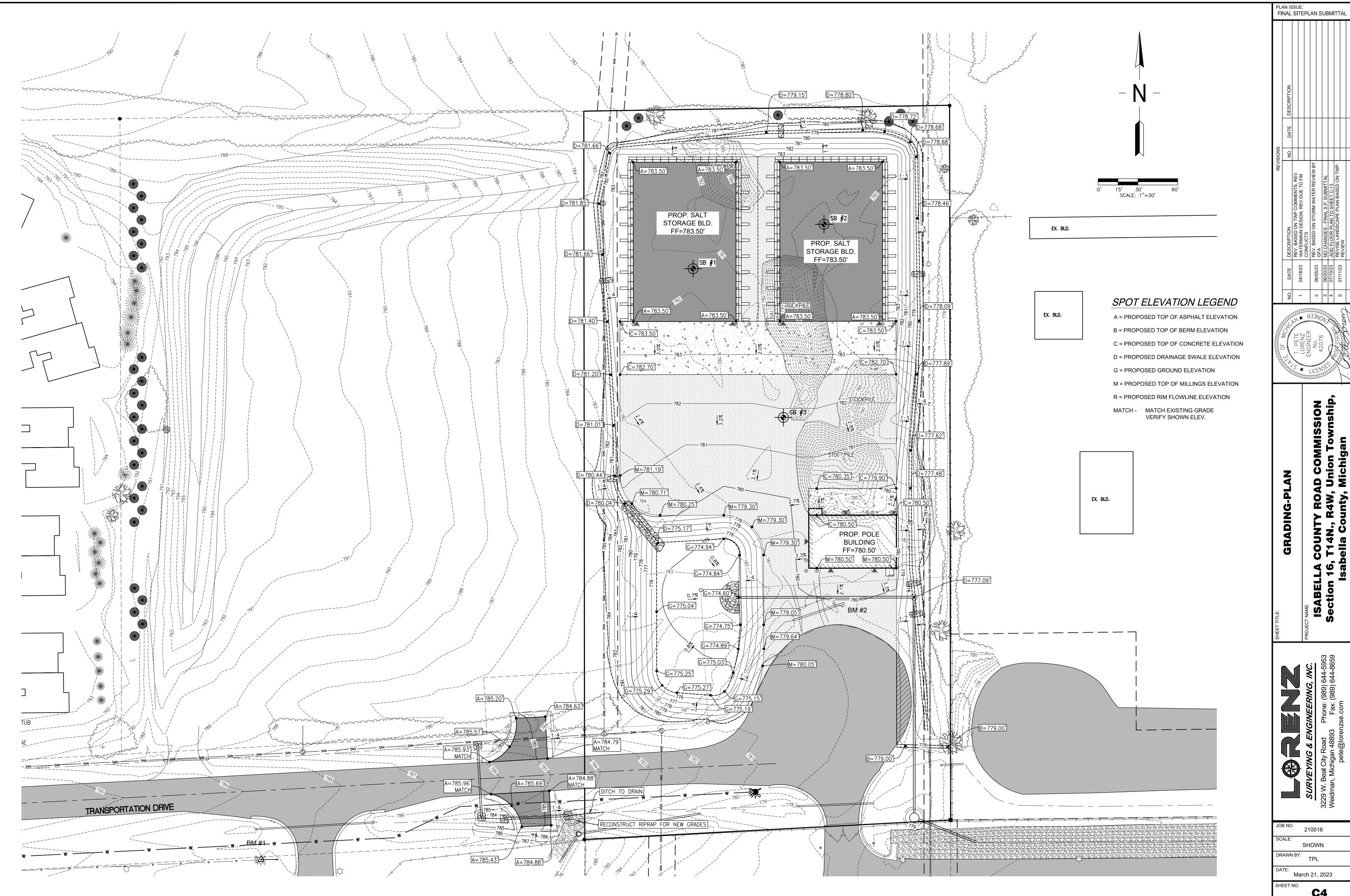
SHEET

OMMISSION on Township,

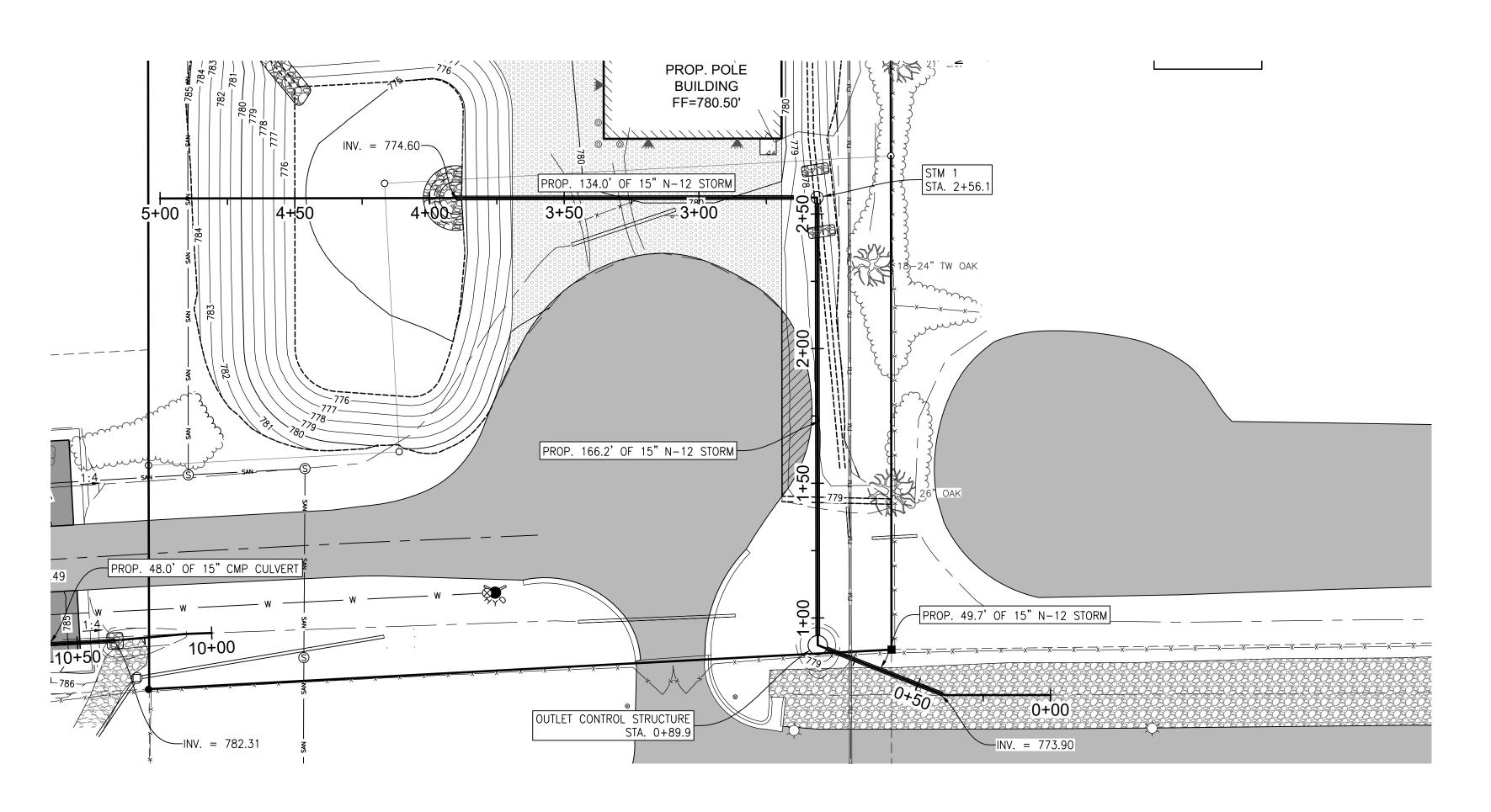
FINAL SITEPLAN SUBMITTAL

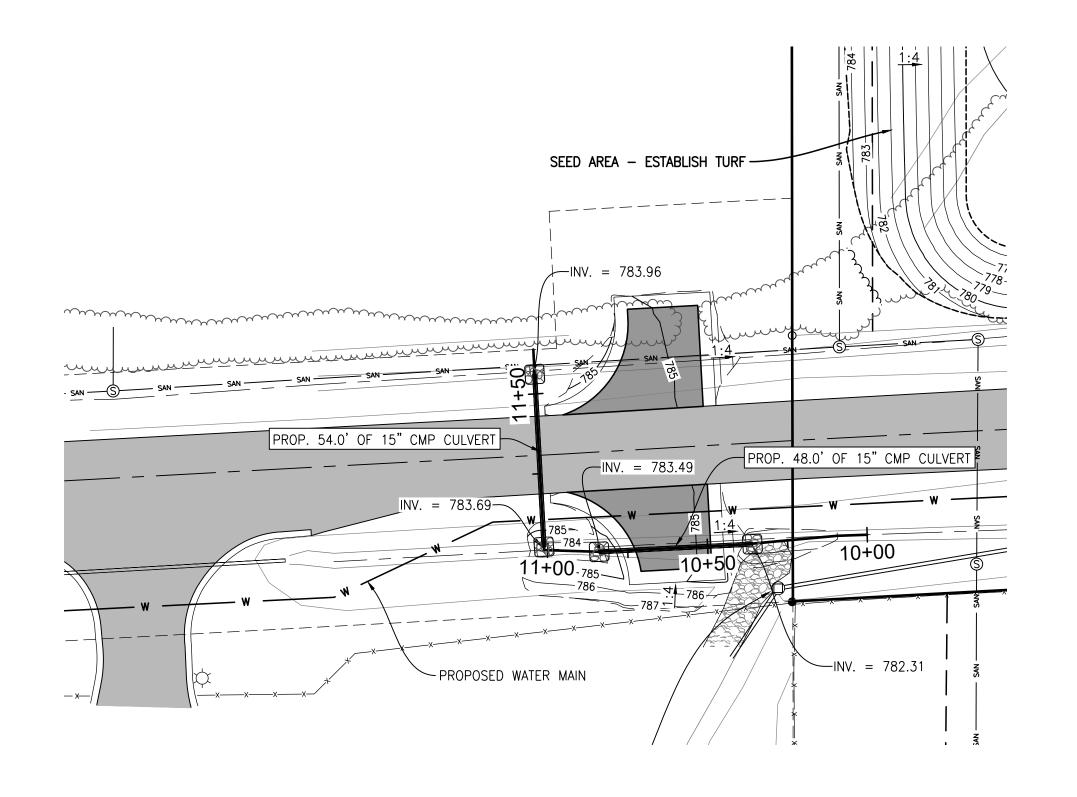


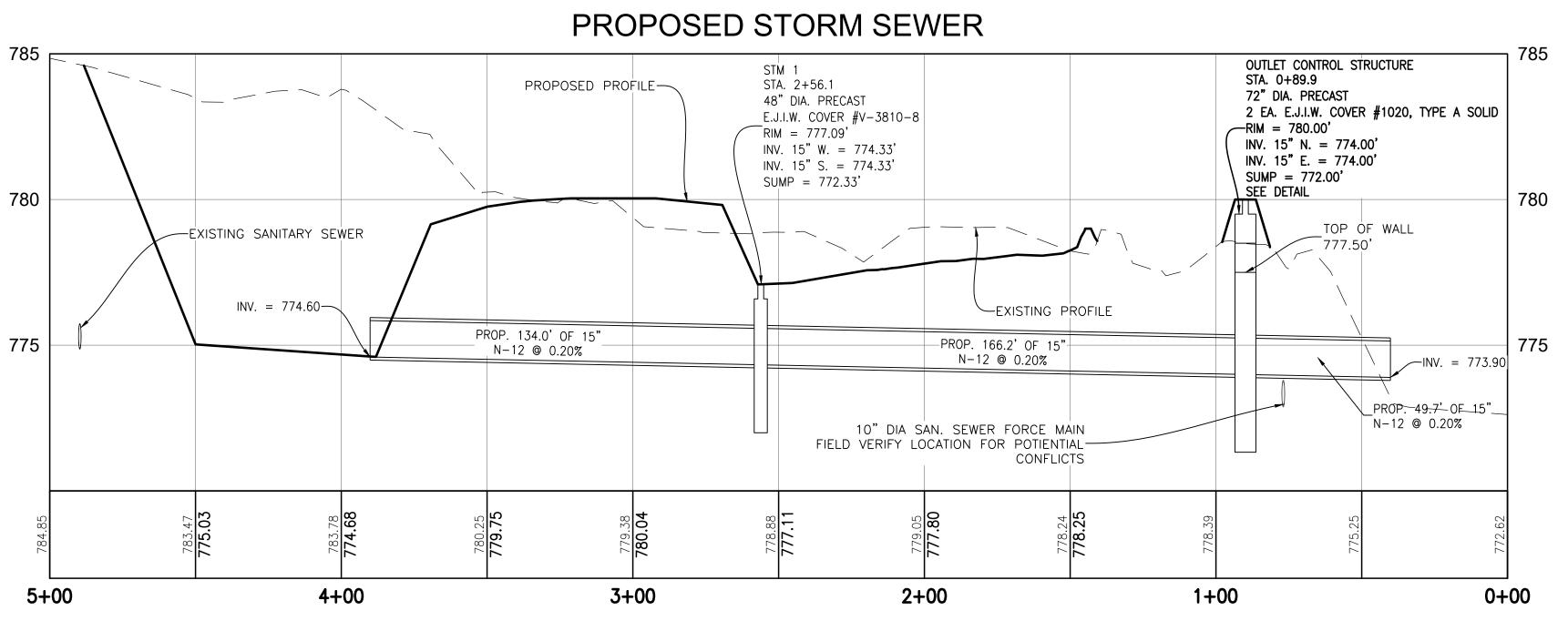


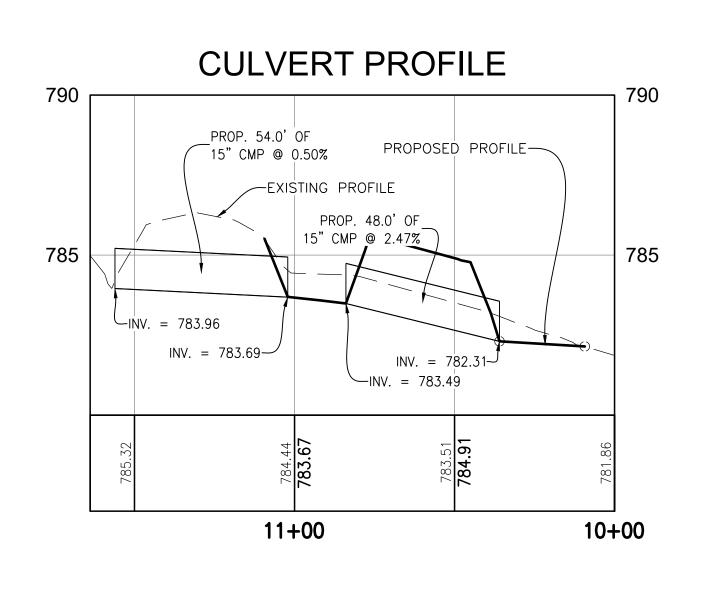


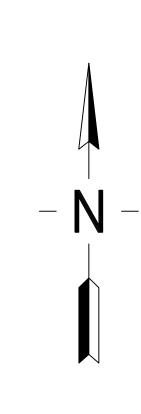
**C4** 











AD C Ø PLAN SEWER

FINAL SITEPLAN SUBMITTAL

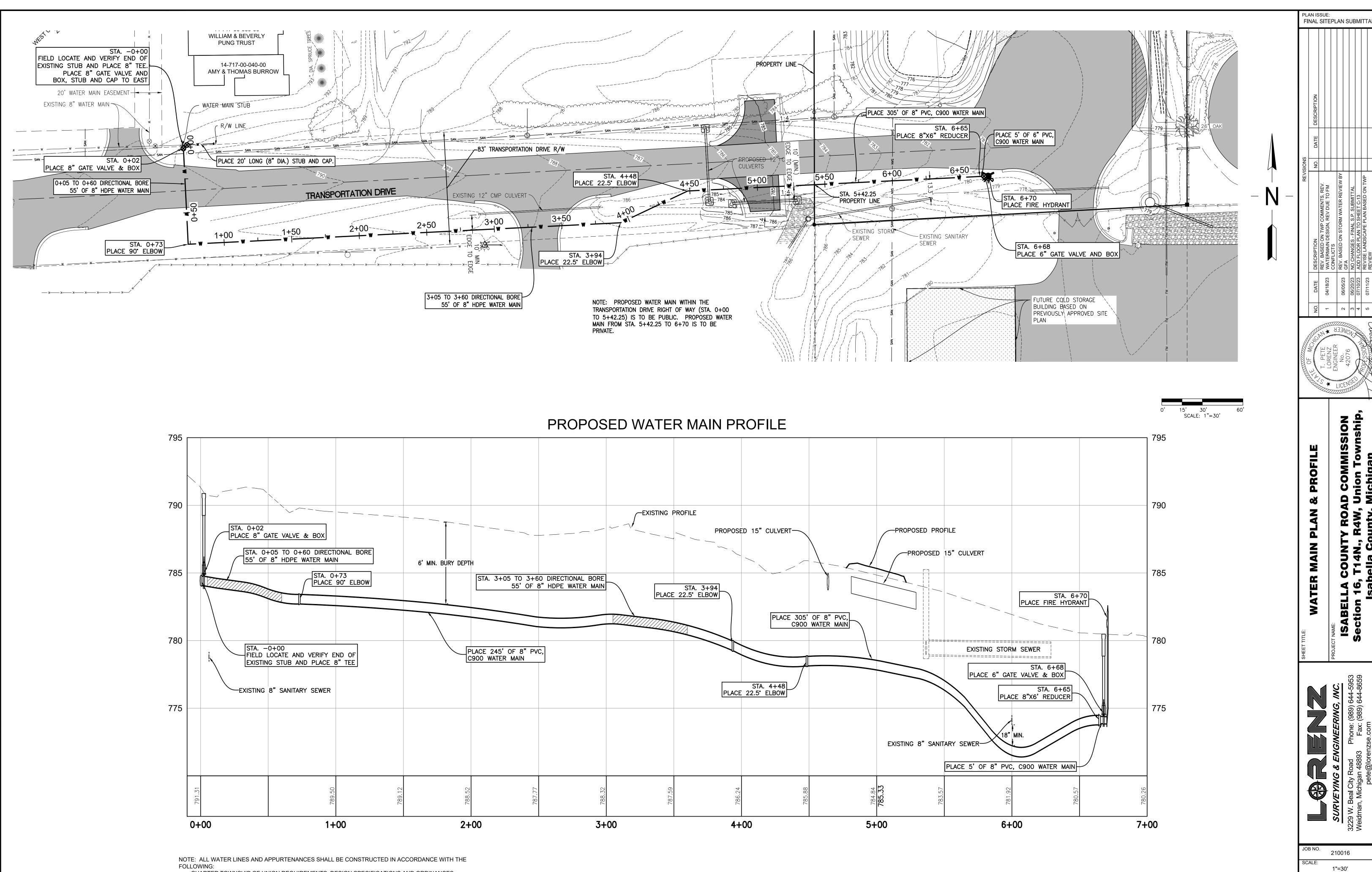
STORM

210016

1"=30' DRAWN BY:

March 21, 2023 SHEET NO.

**C5** 



CHARTER TOWNSHIP OF UNION REQUIREMENTS, DESIGN SPECIFICATIONS AND ORDINANCES

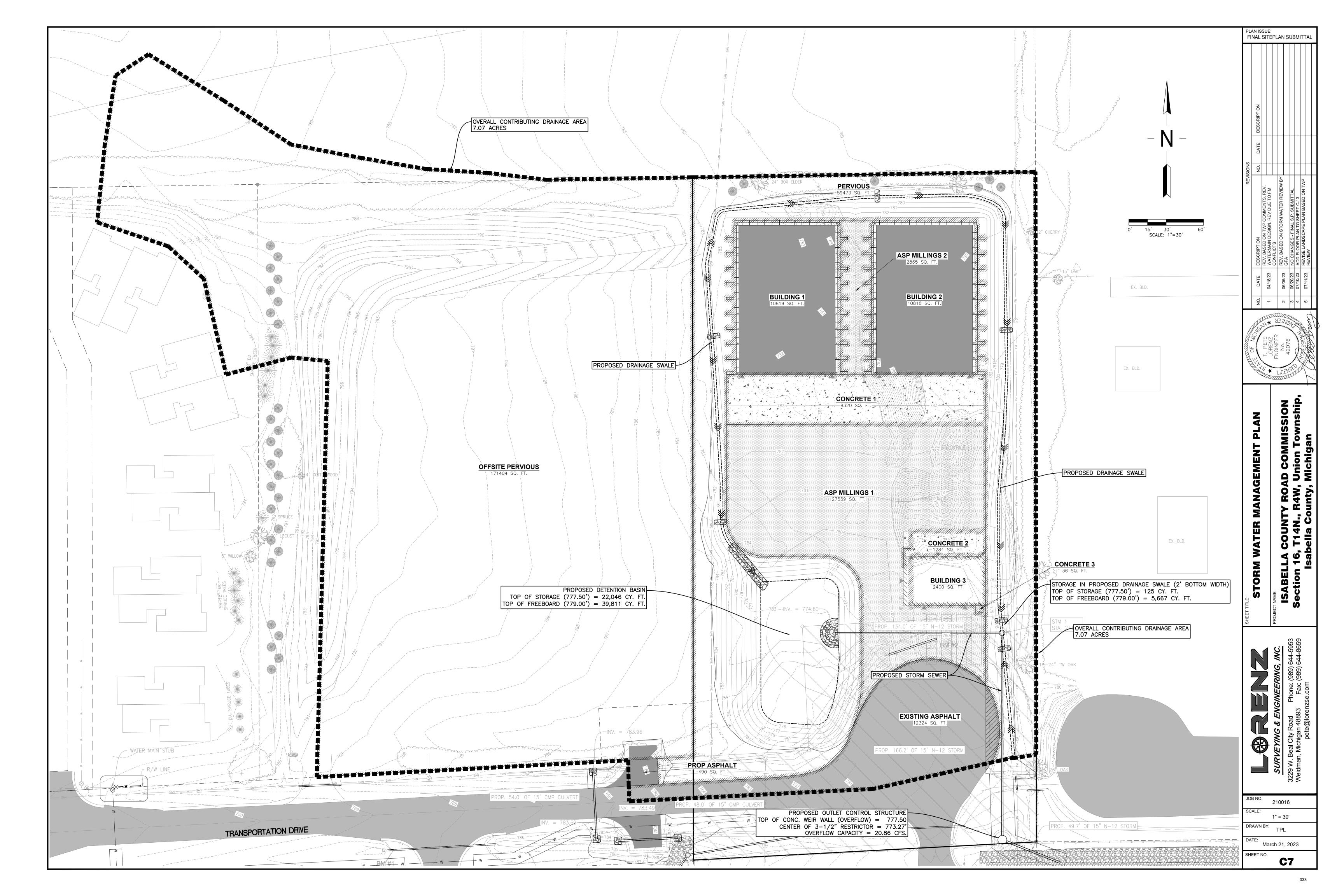
 TEN STATE STANDARDS APPLICABLE STATE AND FEDERAL STANDARDS AND REGULATIONS

C6

DRAWN BY:

SHEET NO.

March 21, 2023



# COMPOSITE RUNOFF COEFFICIENT

AREA	AREA (SFT)	С	CxA
BUILDING 1	10819	0.9	9737
BUILDING 2	10819	0.9	9737
BUILDING 3	2400	0.9	2160
CONCRETE 1	8320	0.9	7488
CONCRETE 2	1284	0.9	1156
CONCRETE 3	36	0.9	32
EXISTING ASPHALT	12324	0.9	11092
ASPHALT MILLINGS 1	27559	0.8	22047
ASPHALT MILLINGS 2	2865	0.8	2292
PERVIOUS	59473	0.2	11895
PROP ASPHALT	490	0.9	441
OFFSITE PERVIOUS	171404	0.2	34281
TOTAL SFT	307793		112357
ACRES	7.07		

COMPOSITE COEFF (C) = 112357 / 307793 COMPOSITE COEFF (C) = 0.37

# **REQUIRED DETENTION - 25 YEAR STORM**

AREA OF SITE ALLOWABLE RELEASE RATE COMPOSITE RUNOFF COEFFICIENT 7.07 ACRES 0.71 CFS 0.37

		INTENSITY FOR	RUNOFF FLOW	ALLOWABLE	STORED	REQUIRED	REQUIRED
STORM DURATION		25-YEAR STORM	RATE	OUTFLOW	RATE	DETENTION	DETENTION
(HOURS)	(MINUTES)	(IN/HR)	(CFS)	(CFS)	(CFS)	(ACRE/FEET)	(CFT)
0.08	5	7.44	19.19	0.71	18.48	0.13	5545
0.10	6	7.04	18.16	0.71	17.45	0.14	6283
0.12	7	6.64	17.13	0.71	16.42	0.16	6897
0.13	8	6.25	16.12	0.71	15.41	0.17	7399
0.15	9	5.85	15.09	0.71	14.38	0.18	7767
0.17	10	5.45	14.06	0.71	13.35	0.18	8011
0.18	11	5.25	13.54	0.71	12.84	0.19	8471
0.20	12	5.04	13.00	0.71	12.29	0.20	8851
0.22	13	4.84	12.48	0.71	11.78	0.21	9186
0.23	14	4.63	11.94	0.71	11.24	0.22	9438
0.25	15	4.43	11.43	0.71	10.72	0.22	9648
0.33	20	4.03	10.39	0.71	9.69	0.27	11626
0.42	25	3.63	9.36	0.71	8.66	0.30	12985
0.50	30	3.23	8.33	0.71	7.62	0.32	13725
0.67 0.83	40 50	2.86	7.38 6.40	0.71 0.71	6.67 5.69	0.37 0.39	16009 17071
1.00	60	2.40	5.44	0.71	4.74	0.39	17071
1.17	70	1.98	5.11	0.71	4.40	0.42	18482
1.33	80	1.84	4.75	0.71	4.04	0.45	19389
1.50	90	1.71	4.41	0.71	3.70	0.46	20002
1.67	100	1.57	4.05	0.71	3.34	0.46	20058
1.83	110	1.44	3.71	0.71	3.01	0.46	19851
2.00	120	1.30	3.35	0.71	2.65	0.44	19055
2.17	130	1.24	3.20	0.71	2.49	0.45	19436
2.33	140	1.19	3.07	0.71	2.36	0.46	19848
2.50	150	1.13	2.91	0.71	2.21	0.46	19873
2.67	160	1.07	2.76	0.71	2.05	0.45	19712
2.83	170	1.02	2.63	0.71	1.92	0.45	19629
3.00	180	0.96	2.48	0.71	1.77	0.44	19112
3.17	190	0.94	2.42	0.71	1.72	0.45	19585
3.33	200	0.91	2.35	0.71	1.64	0.45	19688
3.50	210	0.89	2.30	0.71	1.59	0.46	20022
3.67	220	0.87	2.24	0.71	1.54	0.47	20294
3.83	230	0.85	2.19	0.71	1.49	0.47	20505
4.00	240	0.83	2.14	0.71	1.43	0.47	20654
4.17	250	0.80	2.06	0.71	1.36	0.47	20354
4.33 4.50	260 270	0.78 0.76	2.01 1.96	0.71 0.71	1.31 1.25	0.47 0.47	20363 20310
4.67	280	0.74	1.90	0.71	1.20	0.46	20196
4.83	290	0.74	1.86	0.71	1.15	0.46	20020
5.00	300	0.69	1.78	0.71	1.07	0.44	19317
5.17	310	0.67	1.73	0.71	1.02	0.44	19001
5.33	320	0.65	1.68	0.71	0.97	0.43	18624
5.50	330	0.63	1.63	0.71	0.92	0.42	18184
5.67	340	0.61	1.57	0.71	0.87	0.41	17683
5.83	350	0.58	1.50	0.71	0.79	0.38	16578
6.00	360	0.56	1.44	0.71	0.74	0.37	15938
7.00	420	0.52	1.34	0.71	0.63	0.37	15994
8.00	480	0.48	1.24	0.71	0.53	0.35	15307
9.00	540	0.44	1.13	0.71	0.43	0.32	13878
10.00	600	0.40	1.03	0.71	0.33	0.27	11706
11.00	660	0.36	0.93	0.71	0.22	0.20	8790
12.00	720	0.32	0.83	0.71	0.12	0.12	5132
13.00	780	0.31	0.80	0.71	0.09	0.10	4353
14.00 15.00	840 900	0.30	0.77 0.75	0.71 0.71	0.07 0.04	0.08 0.05	3388 2237
16.00	960	0.29	0.75	0.71	-0.01	-0.01	-586
17.00	1020	0.27	0.70	0.71	-0.01	-0.01	-2201
18.00	1080	0.25	0.64	0.71	-0.04	-0.09	-4002
19.00	1140	0.24	0.62	0.71	-0.09	-0.09	-5988
20.00	1200	0.23	0.59	0.71	-0.11	-0.19	-8160
21.00	1260	0.22	0.57	0.71	-0.14	-0.24	-10519
22.00	1320	0.21	0.54	0.71	-0.16	-0.30	-13062
23.00	1380	0.19	0.49	0.71	-0.22	-0.41	-17927
	<del> </del>		+		•	t	

REQUIRED STORAGE VOLUME 20654

# PROVIDED DETENTION VOLUME

EN	TION BASII	N STAGE S	TORAGE	/OLUME	SWA	LE DITCH S	STAGE ST	ORAGE VO	LUME	PROVIDED D	ETENTION VOLUME
,	AREA	DEPTH	INC. VOL.	TOTAL VOL.	ELEV	AREA	DEPTH	INC. VOL.	TOTAL VOL.	ELEV	TOTAL VOL.
	(SQ. FT.)	(FT)	(CFT.)	(CFT.)	(FT.)	(SQ. FT.)	(FT)	(CFT.)	(CFT.)	(FT.)	(CFT.)
	283.2	, ,	, ,		,		, ,	, ,	,	774.7	0
	1129.9	0.1	71	71						774.8	71
	2528.2	0.1	183	254						774.9	254
	4305.6	0.1	342	595						775.0	595
	5873.3	0.1	509	1104						775.1	1104
	6858.2	0.1	637	1741						775.2	1741
	7316.4	0.1	709	2450						775.3	2450
	7453.2	0.1	738	3188						775.4	3188
	7591.2	0.1	752	3940						775.5	3940
	7730.3	0.1	766	4706						775.6	4706
	7870.5	0.1	780	5486						775.7	5486
	8011.9	0.1	794	6280						775.8	6280
	8154.4	0.1	808	7089						775.9	7089
	8298.1	0.1	823	7911						776.0	7911
	8442.9	0.1	837	8748						776.1	8748
	8588.8	0.1	852	9600						776.2	9600
	8735.9	0.1	866	10466						776.3	10466
	8884.2	0.1	881	11347						776.4	11347
	9033.6	0.1	896	12243						776.5	12243
	9184.1	0.1	911	13154						776.6	13154
	9335.8	0.1	926	14080						776.7	14080
	9488.6	0.1	941	15021						776.8	15021
	9642.5	0.1	957	15978						776.9	15978
	9797.6	0.1	972	16950						777.0	16950
	9953.9	0.1	988	17937	777.1	9.2				777.1	17937
	10111.3	0.1	1003	18941	777.2	122.1	0.1	7	7	777.2	18947
	10269.8	0.1	1019	19960	777.3	272.0	0.1	20	26	777.3	19986
	10429.5	0.1	1035	20995	777.4	462.5	0.1	37	63	777.4	21058
	10590.3	0.1	1051	22046	777.5	781.7	0.1	62	125	777.5	22171
	10752.3	0.1	1067	23113	777.6	1052.9	0.1	92	217	777.6	23330
	10915.4	0.1	1083	24196	777.7	1338.4	0.1	120	337	777.7	24533
	11079.6	0.1	1100	25296	777.8	1644.9	0.1	149	486	777.8	25782
	11245.0	0.1	1116	26412	777.9	1973.0	0.1	181	667	777.9	27079
	11411.5	0.1	1133	27545	778.0	2324.9	0.1	215	881	778.0	28426
	11579.2	0.1	1150	28694	778.1	2651.7	0.1	249	1130	778.1	29825
	11748.1	0.1	1166	29861	778.2	2999.2	0.1	283	1413	778.2	31274
	11918.0	0.1	1183	31044	778.3	3364.0	0.1	318	1731	778.3	32775
	12089.1	0.1	1200	32245	778.4	3744.9	0.1	355	2086	778.4	34331
	12261.4	0.1	1218	33462	778.5	4141.6	0.1	394	2481	778.5	35943
	12434.8	0.1	1235	34697	778.6	4554.2	0.1	435	2916	778.6	37612
	12609.3	0.1	1252	35949	778.7	5034.1	0.1	479	3395	778.7	39344
	12785.0	0.1	1270	37219	778.8	5495.3	0.1	526	3921	778.8	41140
	12961.8	0.1	1287	38506	778.9	8986.5	0.1	724	4646	778.9	43152
	13139.8	0.1	1305	39811	779.0	11444.2	0.1	1022	5667	779.0	45478

# **OUTFLOW CALCULATIONS**

0.71 CFS ALLOWABLE OUTFLOW ORIFICE HEAD CALCULATION

777.31 FT TOP DESIGN STORM CENTER OF ORIFICE 774.13 FT 3.18 FT

## ALLOWABLE RESTRICTOR SIZE

ALLOWABLE RESTRICTOR AREA (A) =  $Qr/(0.62*(2*g*h)^{1/2})$ ALLOWABLE RESTRICTOR AREA (A) = 0.0800 SFT ALLOWABLE RESTRICTOR DIA.= 3.83 INCHES

CHECK RESTRICTOR FLOW RATE - ORIFICE CALCULATION

DIAMETER OF PROPOSED ORIFICE = 3.75 INCHES AREA OF ORIFICE = 0.0767 SFT

ACTUAL RESTRICTED DISCHARGE (Qr) = 0.62\*A\*(2\*g\*H)<sup>1/2</sup> ACTUAL RESTRICTED DISCHARGE (Qr) = 0.681 CFS

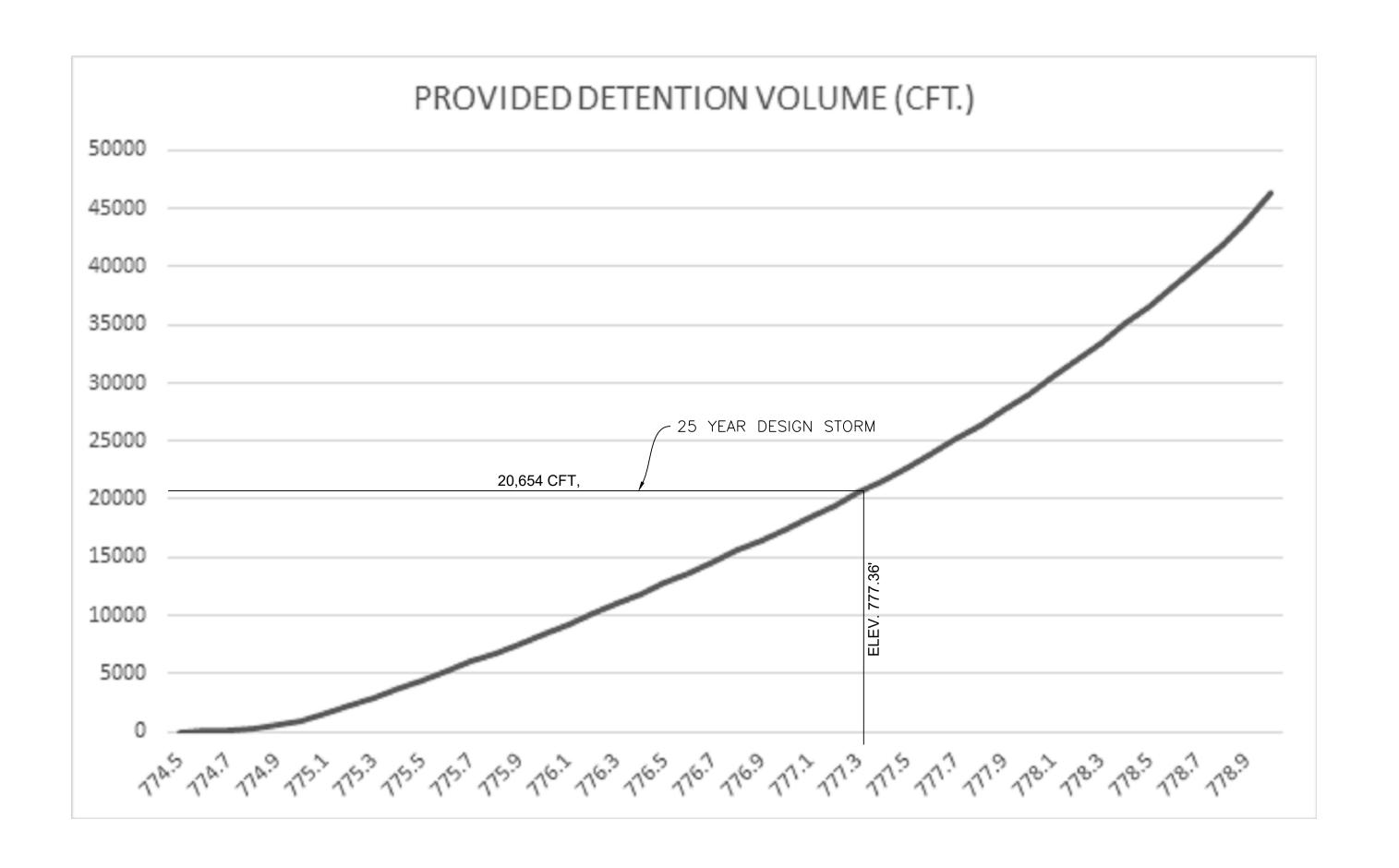
# OVERFLOW CALCULATIONS

# RECTANGULAR WEIR CALCULATION

DEPTH OF FLOW 12.00 IN COEFFICIENT 0.65 WIDTH

COMPUTED RESULTS

6.00 FT^2 AREA PERIMETER 96.00 IN FLOWRATE/CAPACITY **20.86** CFS VELOCITY 3.48 FPS



72.00 IN

CALCULATIONS

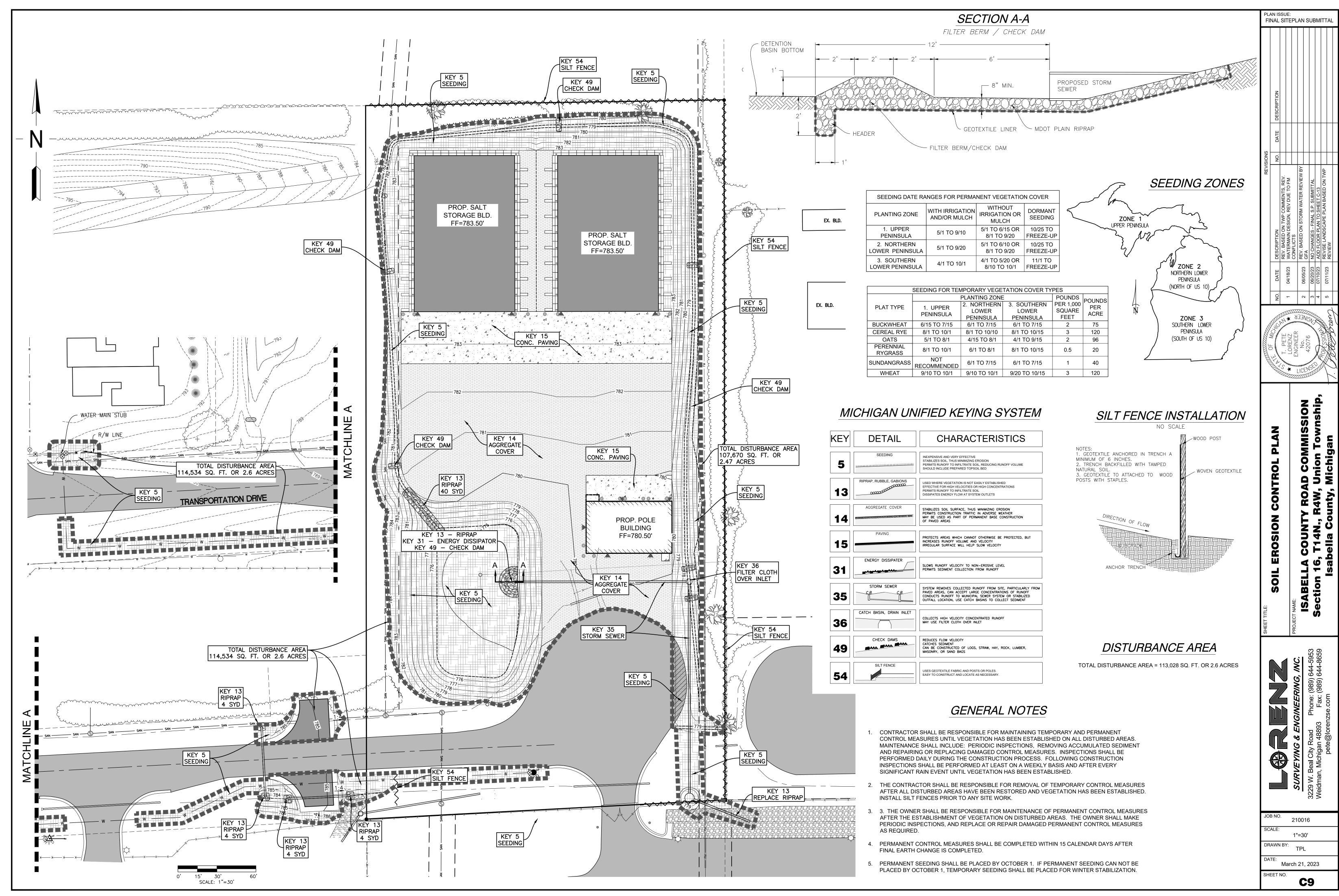
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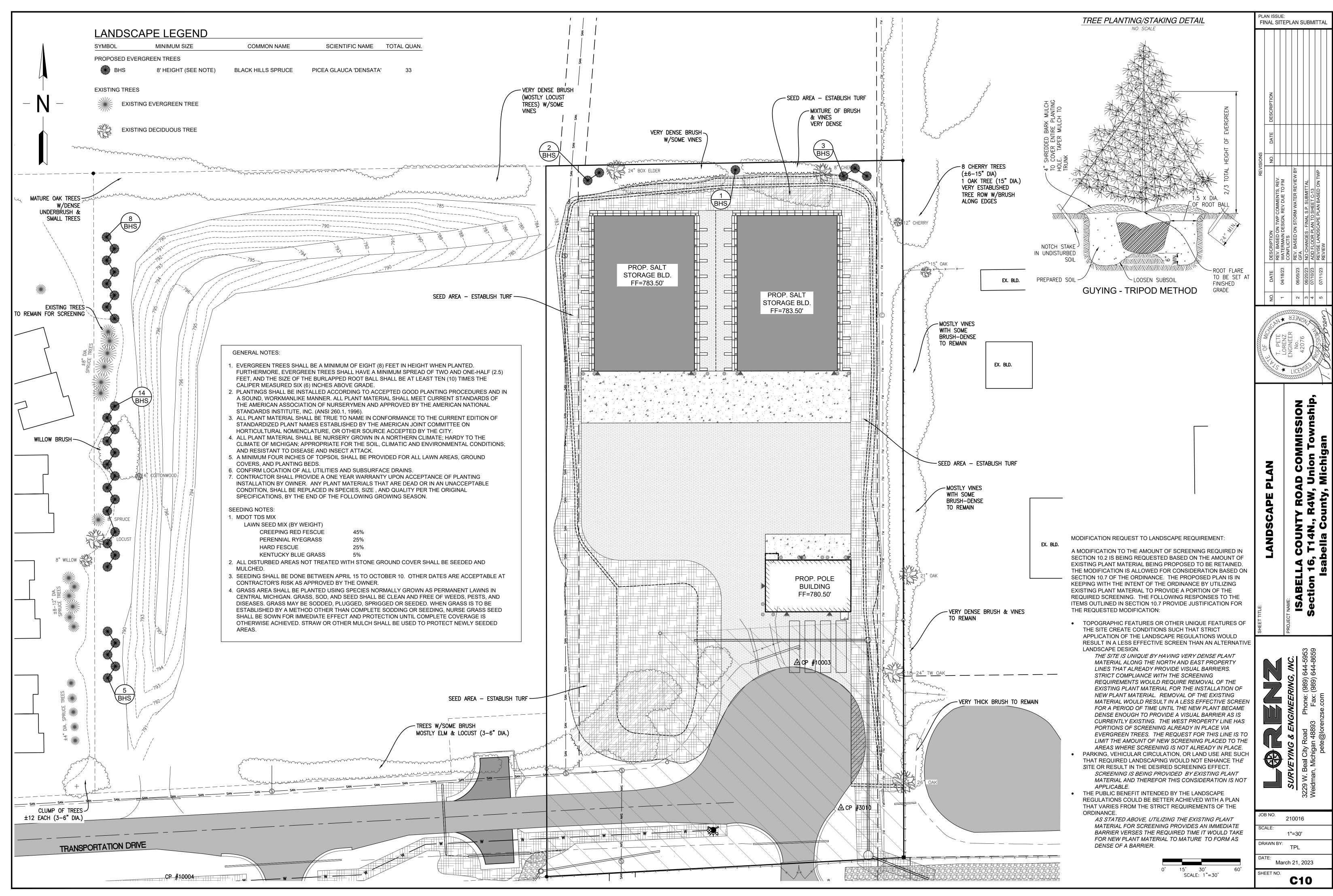
STORM WATER MANAGEMENT PROJECT NAME:

210016

March 21, 2023

**C8** 





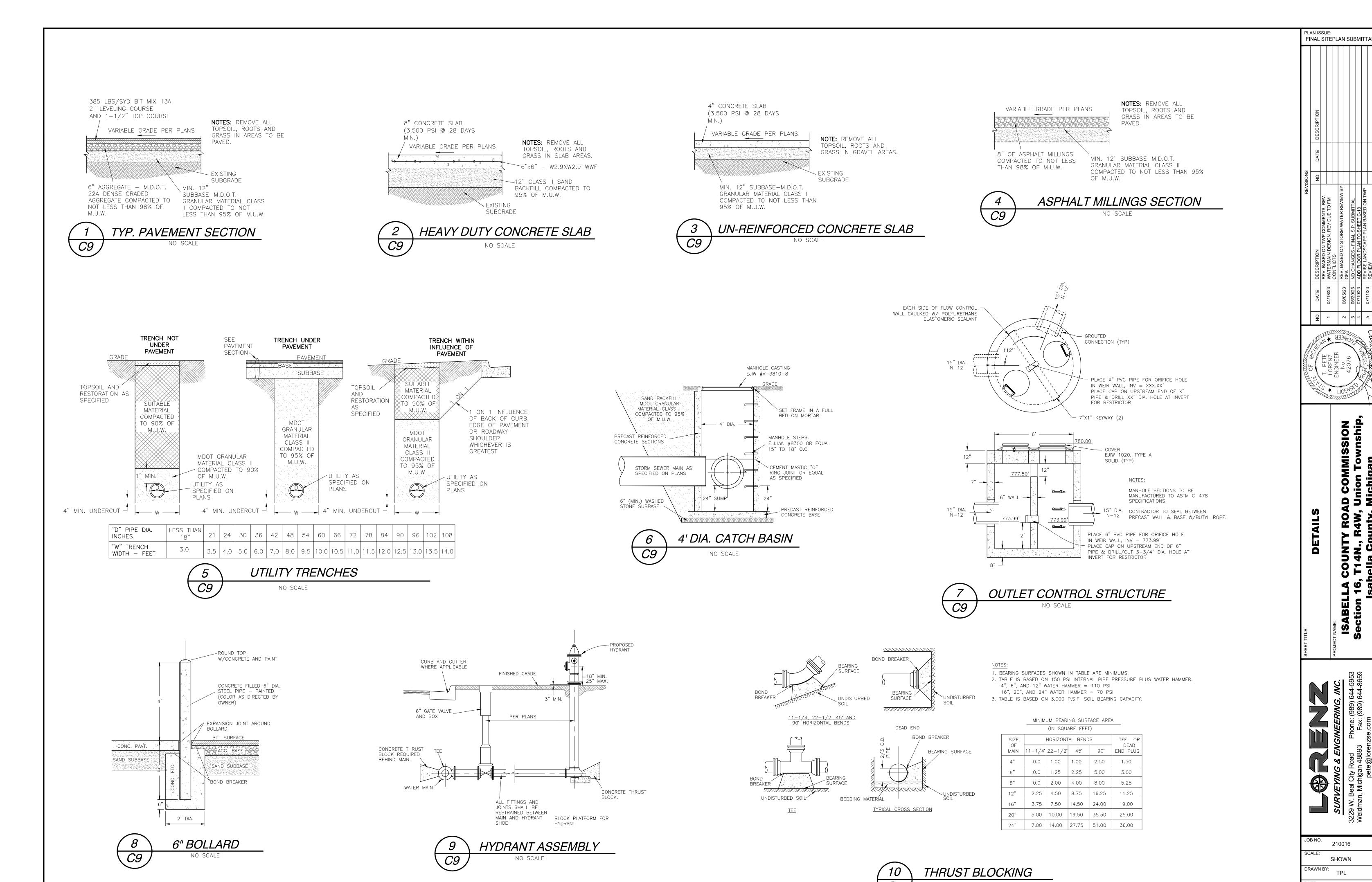


DESC WATI WATI CONI REV. GFA ADD REVIR OMMISSION on Township, 210016

FINAL SITEPLAN SUBMITTA

DRAWN BY:

March 21, 2023 C11



**C12** 

210016

SHOWN

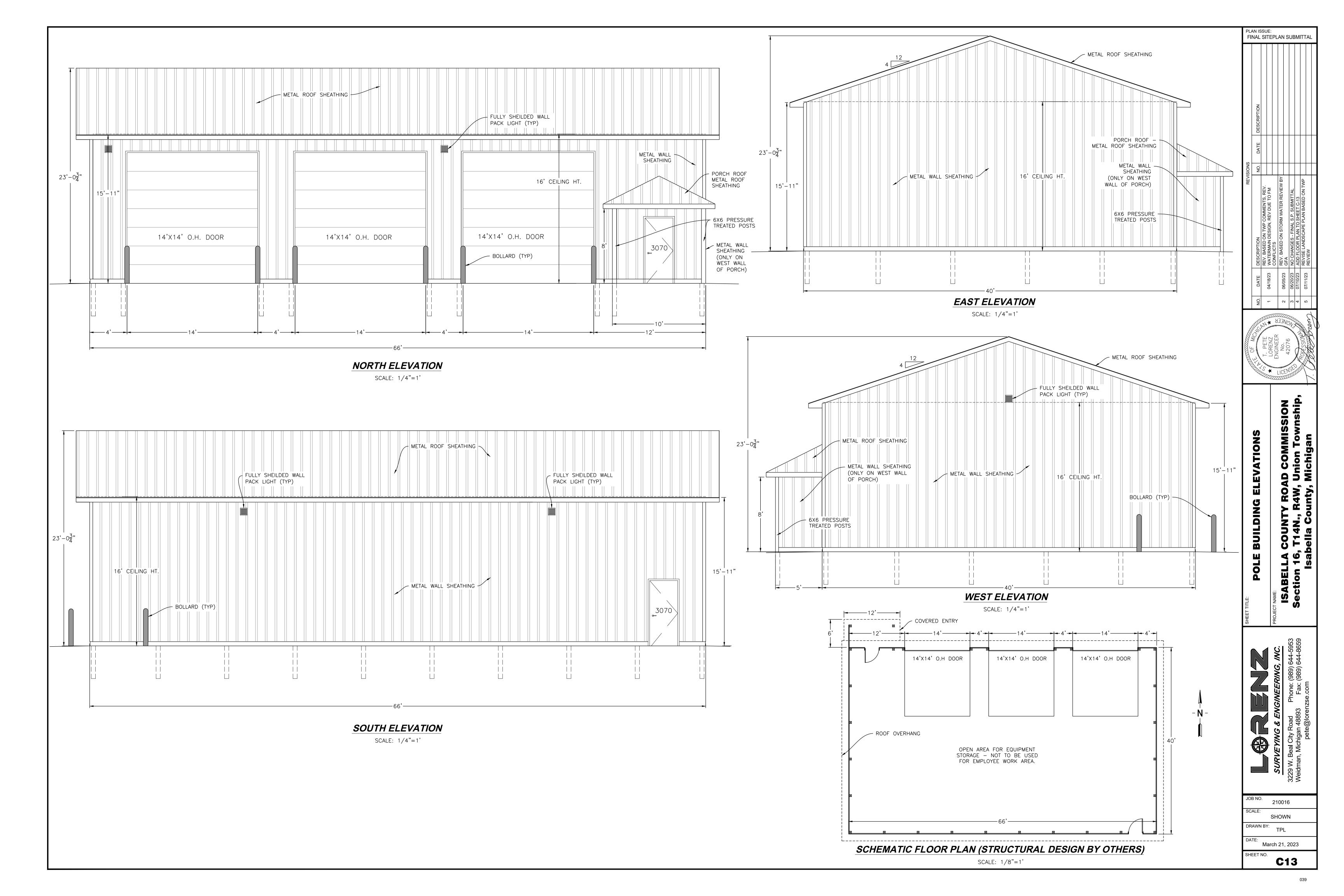
March 21, 2023

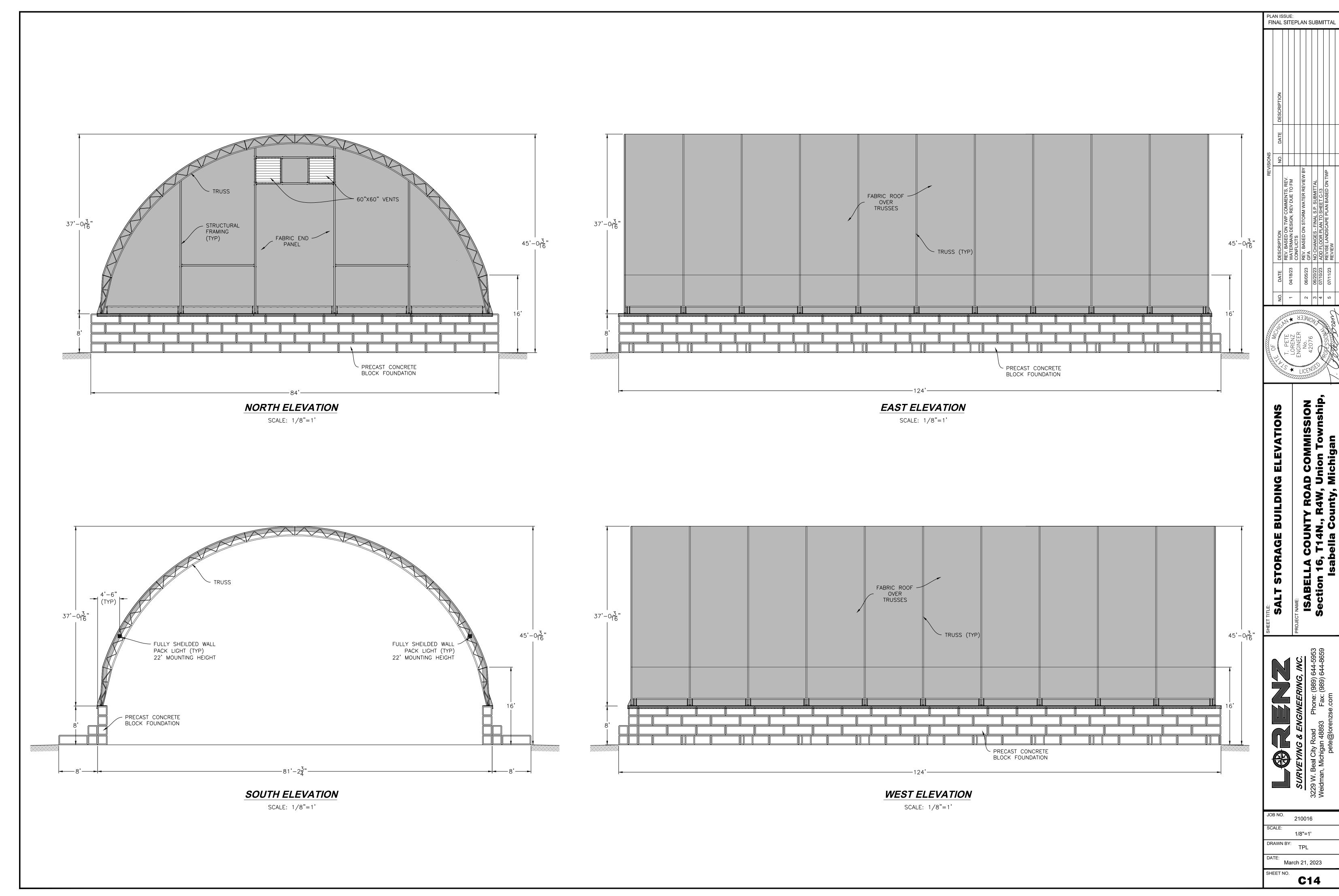
SHEET NO.

COMMISSION Ion Township,

A P N

ISABELLA Section 16,

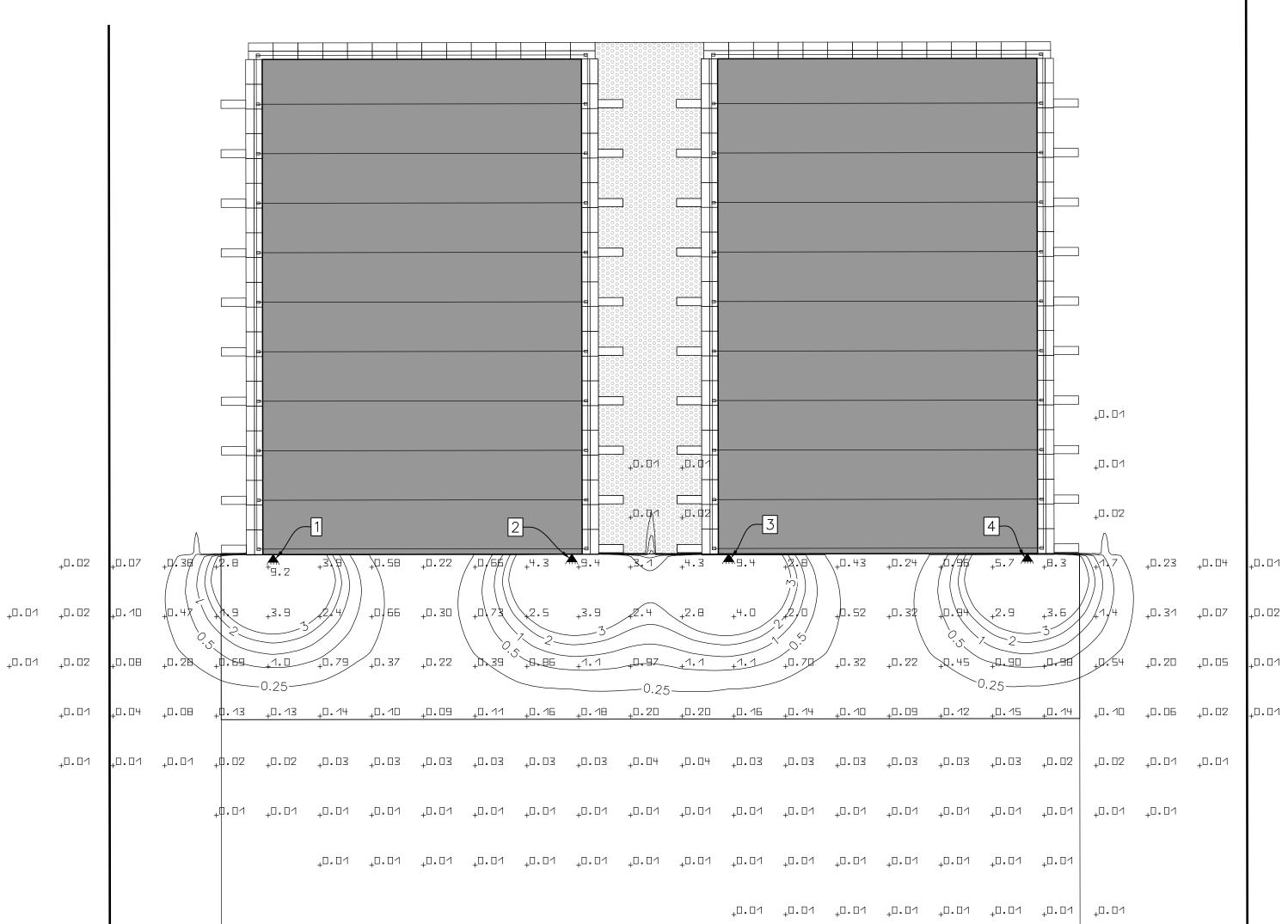




### **NOTES**

1. WALL PACK LIGHTING SHALL BE FULLY SHIELDED TO PREVENT GLARE AND SKY GLOW AND TO MINIMIZE LIGHT TRESPASS ONTO ADJOINING PROPERTIES. FULL CUT-OFF FIXTURES SHALL BE USED TO PREVENT LIGHT FROM PROJECTING ABOVE A NINETY DEGREE (900) HORIZONTAL PLANE. NON-ESSENTIAL LIGHTING SHALL BE TURNED OFF AFTER BUSINESS HOURS, LEAVING ONLY THAT LIGHTING THAT IS NECESSARY FOR SITE SECURITY. ILLUMINATION LEVELS AND ALL ASPECTS OF SITE LIGHTING SHALL BE IN ACCORDANCE WITH SECTION 8.2 OF THE UNION TOWNSHIP ZONING ORDINANCE.





### FIXTURE SCHEDULE

1 12(1	OHE OUHED	<u>OLL</u>
FIXTURE NUMBER	MODEL	MOUNTING HEIGHT
1	WSPL60LED	22'
2	WSPL60LED	22'
3	WSPL60LED	22'
4	WSPL60LED	22'
5	WSPS12LED	14'
6	WSPS12LED	14'
7	WSPS20LED	16'
8	WSPS12LED	14'
9	WSPS12LED	14'

\_0.01 \_0.03



PROJECT INFORMATION JOB NAME FIXTURE TYPE | SlimPak Pro CATALOG NUMBER

### APPROVED BY

Construction: Designed for commercial and industrial applications, providing cooler operating temperatures, brighter light and longer LED life. Apertures for field or factory installed photocontrol. Hinged at bottom to prevent leakage.

Installation: Labor saving features including bubble level and removable hinged face frame.

**SPECIFICATIONS** 

#### Zero Glare: The fixture design directs more light down and forward without wasting lumens and offensive light.

Atlas selectable wall lights are quick and easy to select and set up. Selectable lumens: 1,000(9W), 2,500(20W), 3,500(30W), 4,000(36W) 2,000(20W), 4,600(40W), 6,700(60), 8,000(72W)

### Selectable CCTs: 4000K, 4500K, and 5000K. Thermal Management:

Selectable Lumens and CCT:

Atlas SlimPak Pro fixtures are designed as a complete system to optimize LED life and light output. The thermal stacking heat removal technology extracts heat from within the housing moving it away from LEDs and components. The lower temperatures result in long LED life (200,000+ hrs)<sup>1</sup> and component life and also allows for higher light output. Listings:

Luminaire is certified to UL/cUL Standards for Wet Locations DesignLights Consortium qualified luminaire, eligible for rebates from DLC member utilities. See chart on other next page for qualifying products.

IDA Listed (3000K or warmer CCTs only)

### **AC Input:** 120/208/240/277V 347/480V Operating Range: -40°C to 40°C

Constant current, Class 2, 120-277 VAC, 50-60 Hz High Efficiency – min. 85% Off-State Power: 0 Watts

0-10 V Dimming 3000K | 4000K | 4500K | 5000K CCT Fixed

<sup>1</sup>LED Life Span Based Upon LM-70 Test Results

PO Box 2348 | Burlington, NC 27216

Atlas Lighting Products, Inc.

4000K | 4500K | 5000K CCT Selectable

Atlas LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 & LM-80. Warranty: Five-year limited warranty

800-849-8485 | fax: 1-855-847-2794 | www.atlasled.com

**Photo Control:** For factory installed 120V button photo control add suffix PC to part number.

\*The majority of Atlas Lighting Products are assembled in USA facilities by an American Workforce utilizing both Domestic and Foreign components. Meets Buy American requirements within the ARRA.

10.04 | 10.04 10.04 10.04 10.04

+0.01 +0.01 +0.02 +0.02 +0.02 +0.01 +0.01

+0.01 +0.01 +0.02 +0.06 +0.08 +0.06 +0.07 +0.07 +0.03 +0.01

<sub>+</sub>0.31 <sub>+</sub>0.07 <sub>+</sub>0.02 <sub>+</sub>0.01

ORDERING INFORMATION									
WSPS	S	1-4L							
PRODUCT SERIES	SELECTABLE	LUMEN PACKAGE	COLOR TEMP.	CONTROLS	VOLTAGE	FIXTURE COLOR	OPTIONS		
WSPS = Small SlimPak Pro WSPL = Large SlimPak Pro	blank = Fixed	12LED = 12 Watts <sup>1</sup> 20LED = 20 Watts <sup>1</sup> 40LED = 40 Watts <sup>1</sup> 60LED = 60 Watts <sup>2</sup> 80LED = 80 Watts <sup>2</sup>	Blank = 4500K 3K = 3000K 4K = 4000K 5K = 5000K	Blank = Dimming (0-10V) PC = 120V Photocontrol PM = 120-277V Photocontrol	Blank = 120-277 4 = 347/480 <sup>2</sup>	Blank = Bronze WT = White* BK = Black* *optional with adder	EB = Emergency Back-up* SP = Surge Protection *40W & 60W only (Not available on		
	S = Selectable	1-4L = 1,000-4,000 Lumens Selectable <sup>1</sup> 2-8L = 2,000-8,000 Lumens Selectable <sup>2</sup>	blank = Selectable (4000K, 4500K, 5000K)	blank = 120-277V Photocontrol Installed LP = Less Photocontrol	Blank = 120-277 4 = 347/480 <sup>2</sup>		Selectable) <sup>1</sup> WSPS only <sup>2</sup> WSPL only		

				'		•			1		
	PERFORMANCE DATA										
FIXED											
		3000k	ССТ	4000K	CCT	4500K	CCT	5000K	ССТ		REPLACES
UNIT CRI	DELIVER	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	WATTS	UP TO
WSPS12LED	83	1,206	98	1,206	98	1,326	108	1,366	111	12	70W MH
WSPS20LED	83	2,125	107	2,125	107	2,228	110	2,418	122	20	100W MH
WSPS40LED	83	3,712	100	3,712	100	4,047	106	4,394	116	38	175W MH
WSPL60LED	83	6,513	112	6,513	112	6,635	113	7,401	128	58	250W MH
WSPL80LED	83	8,060	106	8,060	106	8,396	108	9,332	122	76	400W MH

		Selectable	4000K CCT	Selectable 4500K CCT		Selectable	5000K CCT		REPLACES
UNIT CR	CRI	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	WATTS	UP TO
		911	105	966	111	921	106	9	
WCDCC1 41	80	2,312	118	2,451	125	2,337	119	20	175W MH
WSPSS1-4L	80	3,473	115	3,683	122	3,510	117	30	
		4,047	112	4,291	124	4,090	113	36	
WSPLS2-8L 80		2,238	112	2,350	123	2,134	107	20	
	00	4,640	116	4,872	127	4,424	111	40	400W MH
	80	6,655	112	6,987	123	6,346	106	60	
		7,915	110	8,387	121	7,617	106	72	

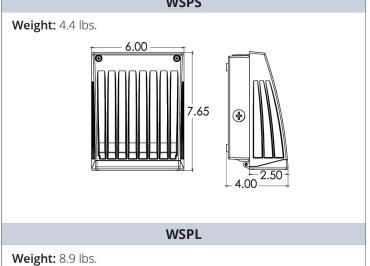
Atlas Lighting Products, Inc.

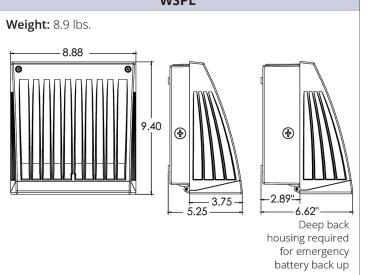
PO Box 2348 | Burlington, NC 27216 800-849-8485 | fax: 1-855-847-2794 | www.atlasled.com

The majority of Atlas Lighting Products are assembled in USA facilities by an American Workforce utilizing both Domestic and Foreign components. Meets Buy American requirements within the ARRA.









Rebates and Incentives are available in many areas. Contact an Atlas Representative for more information.

4

FINAL SITEPLAN SUBMITTAL

PESC REV. WAT CON GFA NOO C ADD REV!

SION

**PHOTOMETRIC** 

210016

1"=20'

March 21, 2023 SHEET NO.

**C15** 

# Charter Township Of Union

### **Community and Economic Development Department**

2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 241

### **FINAL SITE PLAN REPORT**

**TO:** Planning Commission **DATE:** July 11, 2023

**FROM:** Peter Gallinat Zoning Administrator **ZONING:** R-2A, Low Density Residential

District

PROJECT: PFINALSPR23-01 Final Site Plan approval— Isabella County Road Commission

construction of buildings related to salt storage.

**PARCEL(S):** PID 14-016-30-002-11

**OWNER(S):** Isabella County Road Commission.

**LOCATION:** Approximately 7.86 acres (Approximately 3.44 acres once split) located at 2100

E. Transportation Drive. and 5598 S in the SW 1/4 of Section 16.

**EXISTING USE:** Vacant property. Stockpile. **ADJACENT ZONING:** B-5, R-3A, R-2A

**FUTURE LAND USE DESIGNATION:** Residential: After agriculture, this category is the township's predominant land use, and is meant to promote single-family homes on a variety of lot sizes. With new development, subdivision design should protect open space and natural features and limit single driveways onto corridors.

**ACTION:** To review and take action on the PRESPR23-01 final site plan dated 07/11/2023 for expansion of the essential service facilities of the Isabella County Road Commission to include development of two (2) new 10,882 square-foot road-salt storage buildings and a new 2,400 square-foot pole-barn building for related storage at 2100 E. Transportation Drive in the SW 1/4 of Section 16 and in the R-2A (Low Density Residential) District.

### **Site Plan Approval Process**

Per Section 14.2.C. of the Zoning Ordinance, both preliminary site plan approval and final site plan approval are required for this project. Per Section 14.2.J., Planning Commission approval of a final site plan "constitutes the final zoning approval for the project and allows for issuance of a building permit to begin site work or construction, provided all other construction and engineering requirements have been met" (Section 14.2.L.). Documentation of applicable outside agency permits and approvals will be required as part of a final site plan application.

### **Background Information**

The Isabella County Road Commission was approved in 2019 to rebuild their current site on E. Remus Road for new facilities. The Road Commission owns property zoned R-2A (Low Density Residential) District located at 2100 E. Transportation Dr. The Commission also owns the

adjacent lot to the west (PID 14-016-30-002-11), which is zoned R-3A (Multi-Family Residential) District.

In the recent past the Road Commission has built up a berm on the property zoned R-3A to decrease the visibility of any road commission activity from residential of West Union Condominiums. There are no current plans to develop the property zoned R-3A so that it can continue to be a buffer between the ICRC operations and residents of West Union Condominiums.

The eastern end of Transportation Dr has been abandoned by the ICRC. The plan calls for the splitting of the R-2A parcel from Transportation Drive, and for constructing a new "T" turnaround at the eastern end of the Transportation Dr. right-of-way.

The parcel zoned R-2A is currently used for stockpiling. This development would remove the need for any outdoor stockpiling of materials used by the Road Commission.

### **Final Site Plan Review Comments**

The following comments are based on the standards for final site plan approval and specific elements of the proposed site plan:

- 1. **Section 14.2.P. (Required Site Plan Information).** The site plan conforms to the minimum Section 14.2.P. information requirements for a final site plan. **CONFORMS**
- Section 8 (Environmental Performance Standards). The hazardous substance reporting form and EGLE permit checklist form are included in the application materials. CONFORMS.
- 3. **Section 9 (Off-Street Parking, Loading Requirements).** No parking spaces are required. A floor plan is provided on sheet C-13 showing no space inside the 2,400 SF pole building dedicated to employees. All 3 buildings planned for construction are for storage only. **CONFORMS**
- 4. **Section 7.10 (Sidewalks and Pathways).** The plan calls for the property to be split from the connected Transportation Drive portion of the parcel. The eastern end of the Transportation Drive has been abandoned. The end of Transportation drive will become a "T" turn-around. There is no requirement for sidewalks for this project. **CONFORMS**
- 5. **Section 7.14 (Trash Removal and Collection).** There is no dumpster shown on the site for this project. This project is intended for storage. Staff would suggest that the applicant consider showing a dumpster meeting the standards of the Zoning Ordinance on the final site plan, along with a note indicating it is for future use if there is a need. **CONFORMS**
- 6. **Section 6.24 (Building Height).** The Planning Commission determined on May 16, 2023 that the height of the proposed dome buildings conformed to the R-2A zoning districts mean average height requirement for a gable or gambrel roof. **CONFORMS.**

- 7. **Section 10 (Landscaping and Screening).** The applicant has provided a landscaping plan on sheet C-10 and C-11. On sheet C-10, the applicant has included a request under Section 10.7 (Modifications to Landscaping Requirements) for Planning Commission acceptance of a modification to allow existing vegetation as depicted on the site plan to be included as part of meeting the screening and landscaping requirements that apply to the project. The following is a summary of the improvements:
  - a. Some existing trees and brush are planned to be removed from the north end of the property, with the remaining vegetation planned to be used to meet part of the screening requirements of the Zoning Ordinance.
  - b. On the north side of the development site is proposed six (6) new evergreen trees (8-feet in height) to close gaps created by the removal of existing vegetation. Due to the limited space on the western side of the development site for landscaping, the plan places 27 new evergreen trees on the western berm of the adjacent ICRC-owned lot zoned R-3A. Placing the landscaping on the neighboring property will suffice in providing a further buffer from ICRC operations for the residents of West Union Condominiums.
  - c. There is also limited land for screening improvements outside of an existing sewer main easement area adjacent to the rear of the Mt. Pleasant Middle School property in the City of Mt. Pleasant.
  - d. The plan illustrates the combination of existing vegetation and proposed landscaping elements in part through pictures of existing vegetation around the perimeter shown on sheet C-11 along with identification of existing large trees on the plan.

If the Planning Commission approves the final site plan as presented, this approval would include acceptance of the proposed modification per Section 10.7 as depicted on sheets C-10 and C-11 as satisfying the intent of the Zoning Ordinance screening standards. Otherwise, additional trees and shrub plantings would be required. **CAN CONFORM** 

- 8. **Section 8.2 (Exterior Lighting).** The plan provides a photometric plan on sheet C-15. The proposed wall pack lights are down-shielded as required. Specifications for the lights are also printed on sheet C-15. The foot-candle levels are below the maximum allowable level of 10-foot-candles. **CONFORMS**
- 9. **Outside agency approvals.** The applicant is responsible for obtaining all necessary permits or approvals from applicable outside agencies prior to submittal of the final site plan application for approval. All required outside agency approvals have been obtained. These include, the Isabella County Transportation Commission, Mt. Pleasant Fire Department, Township Public Services Department for water and sewer utilities, and the Township Engineer (Gourdie-Fraser) for Stormwater Management. **CONFORMS**

### **Objective**

The Planning Commission shall review the application materials and site plan, together with any reports and recommendations. The Planning Commission shall identify and evaluate all relevant factors and shall then take action by motion to approve the site plan, to approve the site plan with conditions, to deny the site plan application, or to postpone further consideration of the site plan to a date certain in accordance with Section 14.2.H. of the Zoning Ordinance.

### **Key Findings**

- The domed roofline and 45.0-foot height was determined by the Planning Commission to conform with R-2A height limits.
- The updated final site plan is complete and ready for Planning Commission review and action.
- The Planning Commission will need to make a determination if the combination of new and existing plant materials around the perimeter of the site are sufficient to meet the intent of the Zoning Ordinance's screening standards.
- Approval of an application for the proposed land division and combination by the Township Assessor will be required prior to issuance of a building permit for the project.

### Recommendations

Based on the above findings, I recommend approval of the PFINALSPR23-01 final site plan application, subject to Planning Commission determination regarding screening and approval of a land division/combination application before a building permit is issued.

Please contact me at (989) 772-4600 ext. 241, or via email at pgallinat@uniontownshipmi.com, with any questions about this information.

Respectfully submitted,

Peter Gallinat, Zoning Administrator

## <u>Draft Motions</u>: PFINALSPR 23-01 Final Site Plan Application for Isabella County Road Commission – Salt Storage Facilities, 2100 E. Transportation Dr.

MOTION TO APPROVE THE PRELIMINARY SITE PLAN:
Motion by, supported by, to approve the updated PFINALSPR23-01 final site plan dated July 11, 2023 for expansion of the essential service facilities of the Isabella County Road Commission to include development of two (2) new 10,882 square-foot road-salt storage buildings and a new 2,400 square-foot pole-bard building for related storage at 2100 E. Transportation Drive in the southwest quarter of Section 16 and in the R-2A (Low Density Residential) zoning district, finding that it fully complies with applicable Zoning Ordinance requirements for final site plan approval, including Sections 14.2.F (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval).
MOTION TO APPROVE THE PRELIMINARY SITE PLAN WITH CONDITIONS:
Motion by, supported by, to approve the updated PFINALSPR23-01 final site plan dated July 11, 2023 for expansion of the essential service facilities of the Isabella County Road Commission to include development of two (2) new 10,882 square-foot road-salt storage buildings and a new 2,400 square-foot pole-bard building for related storage at 2100 E. Transportation Drive in the southwest quarter of Section 16 and in the R-2A (Low Density Residential) zoning district, finding that it can comply with applicable Zoning Ordinance requirements for final site plan approval, including Sections 14.2.F (Required Site Plan information) and 14.2.S. (Standards for Site Plan Approval), subject to the following findings and conditions:
1. The Planning Commission determines that the proposed use of a mix of existing vegetation and new plantings for screening purposes is acceptable and consistent with Section 10.7 (Modifications to Landscape Requirements).
2. Approval of an application for the proposed land division and combination by the Township Assessor shall be required prior to issuance of a building permit for the project
MOTION TO POSTPONE ACTION ON THE PRELIMINARY SITE PLAN:  Motion by, supported by, to postpone action on the updated PFINALSPR23-01 final site plan dated July 11, 2023 for expansion of the essential service facilities of the Isabella County Road Commission at 2100 E Transportation Drive until, 2023 for the following reasons:

## <u>Draft Motions</u>: PFINALSPR 23-01 Final Site Plan Application for Isabella County Road Commission – Salt Storage Facilities, 2100 E. Transportation Dr.

MOTION TO I	DENY THE PRELIMIN	NARY SITE PLAN:	
the updated	PFINALSPR23-01 fin	, supported by all site plan dated July 11, 2023 for ounty Road Commission to include o	r expansion of the essentia
for related sto the R-2A (Low Zoning Ordina	orage at 2100 E. Tra Density Residentia ance requirements f	rage buildings and a new 2,400 squesportation Drive in the southwest l) zoning district, finding that it does for final site plan approval, includin . (Standards for Site Plan Approval),	quarter of Section 16 and in some of Section 16 and in some of Sections 14.2.P. (Required

# Charter Township Of Union

#### **Community and Economic Development Department**

2010 S. Lincoln Rd. Mt. Pleasant, MI 48858 989-772-4600 ext. 232

TO: Planning Commission DATE: June 12, 2023

FROM: Rodney C. Nanney, AICP, Community and Economic Development Director

**ACTION REQUESTED:** Planning Commission continues to identify key priorities and focus areas to develop a framework to guide the Master Plan update; and reviews the 2016 survey questions in preparation for a new Survey of Township Residents in 2023.

### Framework for Updating the Master Plan

For the Master Plan update discussion, staff has included the following two (2) documents in the agenda packet:

### 1. Framework for Updating the Master Plan

This is the same information and format as provided in our previous memo dated May 10, 2023. It is intended to serve as the starting point for developing a framework to guide development of the updated Master Plan. The bold subject headings [(A) - (K)] are taken from the set of priority areas discussed during our April meeting. **Under each heading staff has added in red text potential priorities and focus areas for Planning Commission consideration as we "flesh out" this framework**. Some of these are taken directly from our initial discussion in March.

Please note that no part of this proposed framework is "cast in stone," and there is plenty of room to add more to it to help guide the plan development process moving forward.

### 2. Policy Statements from the 2018 Master Plan

To assist the Planning Commission with the process of developing a framework to guide the preparation of an updated Master Plan, staff has compiled and edited a list of the goal statements policy priorities from the adopted 2018 Master Plan. These have been sorted and organized under the same (A) through (K) subject headings as in the Framework document above.

The intent of providing this list in this format is to help the Planning Commission to identify current plan goals and policies that remain important to include in the updated Master Plan. These will then be added to the Framework document.

I would recommend that you review both documents before our upcoming meeting, with the intent to be prepared to discuss these and any other priorities you may have for the Master Plan update. The goal of this process is to develop a Framework for Updating the Master Plan that reflects the Planning Commission's policy priorities.

### **2016 Survey Questions**

Staff has also included in the agenda packet a copy of the 2016 Survey of Residents, which included questions about the quality of various governmental services, priorities for potential infrastructure and parks improvements, ordinance enforcement, quality of life, communication, knowledge of the Zoning Ordinance and Master Plan, and various land use and development-related topics.

The results of the 2016 survey can be found posted on the Township's website under Boards and Commissions/Board of Trustees or at the following link:

http://www.uniontownshipmi.com/Portals/0/survey%20copy.pdf

The parks and recreation questions will be replaced with the updated Parks and Recreation Master Plan Update survey questions the Planning Commission previously reviewed and finalized. The Board of Trustees will consider and make any changes or additions to the questions related to governmental services, quality of life, and communication.

For the land use and development-related topics, there is some value in asking the same questions so we can compare and contrast the results with the 2016 survey. However, it is also completely appropriate for you determine as a group that you would like to replace or revise one or more of the questions to ensure that you have public input on specific Master Plan-related topics of interest.

I would recommend that you review the 2016 survey questions along with the priorities and focus areas listed in the draft Framework for Updating the Master Plan as you consider any potential questions for which you would like to have answers from our residents as part of a 2023 survey.

Please contact me at (989) 772-4600 ext. 232, or via email at rnanney@uniontownshipmi.com, with any questions about this information.

Respectfully submitted,

Rodney C. Nanney, AICP

Community and Economic Development Director

### Framework for Updating the Master Plan

The following is intended to serve as the starting point for a framework to guide development of the updated Master Plan. The bold headings [(A) - (K)] are taken from the set of priority areas discussed during our April meeting. Under each heading staff has added in red text potential priorities and focus areas for Planning Commission consideration as we "flesh out" this framework.

### (A) Introduction

- (B) **Global Ends** (general statements of desired outcomes for this planning process)
  - (1) The updated Master Plan and process undertaken by the Township to adopt the Plan fully conform to all applicable requirements of the Michigan Planning Enabling Act (Public Act 33 of 2008, as amended).
  - (2) The policy recommendations in the as-adopted Master Plan accurately reflect the agreed-upon priorities and preferences as identified by the Planning Commission.
  - (3) The process undertaken by the Township to develop the updated Master Plan included a variety of opportunities and methods for inviting public participation.
  - (4) \_\_\_\_\_

### (C) Future Land Use and Growth Management Strategies

- (1) More clearly define in the Plan the boundaries between urban areas planned for growth and development and rural areas planned for agricultural operations, protection of natural resources, and open space.
- (2) \_\_\_\_\_

### (D) Plan for Economic Development

### (1) Industrial and Employment Center Plan

- (a) The Township has insufficient available land currently planned for industrial uses, and the available vacant land is not well-suited for development due to deficiencies in the local road network or small lot sizes.
- (b) To meet site selection standards, new industrial/business park sites will need to be located along the US-127 corridor on large tracts of land with sufficient existing utility and road capacity to support industrial development.
- (c) \_\_\_\_\_

### (2) Commercial Development Plan

- (a) Due to evolving market conditions, e-commerce, and other factors, the Township and adjacent City of Mt. Pleasant are significantly over-zoned for commercial uses.
- (b) More flexibility is needed for the future development of vacant or underutilized land currently planned or zoned for commercial uses.
- (c) Re-evaluate future land use plans for vacant land currently designated for commercial uses along S. Lincoln Rd., E. Remus Rd., Sweeney Rd., E. Broomfield

Draft Date: May 10, 2023 1 | Page

### Framework for Updating the Master Plan

(d) \_\_\_\_\_

### (3) Bluegrass Center Area Plan

Rd., S. Isabella Rd., and E. Bluegrass Rd.

- (a) Consideration should be given to establishment of more flexible Bluegrass Center land use and design principles that would:
  - (i) incentivize and expand mixed-use residential-commercial development opportunities; and also
  - (ii) allow for development of warehouse, distribution, and light manufacturing facilities under specific conditions without a special use permit.
  - (iii) potentially allow for more intensive development (increased building height, number of residential units, etc. under certain conditions.
  - (iv) potentially establish a set of design principles related to building and site design that would maximize pedestrian access and connectivity, promote vibrant architectural character, and encourage inclusion of public gathering elements and coordination of design and access between adjacent sites.
- (b) Consider establishment of a Bluegrass Center zoning district to implement the Bluegrass Center Area Plan priorities.
- (c) \_\_\_\_\_
- (4) East/West DDA District Plans (reference to adopted Development Plans)

### (E) Plan for Housing

- (1) The Plan for Housing should include consideration of the needs of all Township residents and households at all ages, abilities, and income levels.
- (2) Consideration should be given to proactive, regionally-coordinated action to provide more adequate supportive housing options for the homeless in the community.
- (3) \_\_\_\_\_

### (F) Plan for Agricultural and Preservation of Rural Character

- (1) Areas planned for preservation of agricultural land and rural character can be served by municipal water but must not include any areas of the Township served by a municipal sewer system or located within any area already planned for expansion of municipal sewer services.
- (2) Policies for preservation of agricultural land and rural character must also include proactive policies designed to promote a vibrant rural economy in these areas, including provisions for necessary agricultural support services and businesses.

2 | Page Draft Date: May 10, 2023

### Framework for Updating the Master Plan

neighborhoods and cross connections between developments.  (b) Add a Future Streets Plan to the Master Plan document.  (c)	(2	1)	
(2) Consider establishment of policies to discourage or prohibit commercial solar energy production facilities ("solar farms") from locating on prime farmland.  (3)	H) <b>P</b>	lan f	or Energy
production facilities ("solar farms") from locating on prime farmland.  (3)	(2	1) Exp	olore renewable energy structures in residential areas.
(1) Improve connections between utility systems and land use planning.  (a) Allow municipal water but not municipal sewer into rural areas.  (b) Establish planning principles to guide future municipal sewer extensions.  (2)	(2	•	
<ul> <li>(1) Improve connections between utility systems and land use planning.</li> <li>(a) Allow municipal water but not municipal sewer into rural areas.</li> <li>(b) Establish planning principles to guide future municipal sewer extensions.</li> <li>(2)</li></ul>	(3	3)	
<ul> <li>(a) Allow municipal water but not municipal sewer into rural areas.</li> <li>(b) Establish planning principles to guide future municipal sewer extensions.</li> <li>(2)</li></ul>	) <b>C</b>	omn	nunity Facilities and Infrastructure Plan
<ul> <li>(b) Establish planning principles to guide future municipal sewer extensions.</li> <li>(2)</li></ul>	(2	1) lmį	prove connections between utility systems and land use planning.
(2) Transportation Plan (1) Plan for Roads and Streets  (a) Establish planning principles to guide development and extension of future road and streets, including robust requirements for connectivity between neighborhoods and cross connections between developments.  (b) Add a Future Streets Plan to the Master Plan document.  (c)		(a)	Allow municipal water but not municipal sewer into rural areas.
(1) Plan for Roads and Streets  (a) Establish planning principles to guide development and extension of future road and streets, including robust requirements for connectivity between neighborhoods and cross connections between developments.  (b) Add a Future Streets Plan to the Master Plan document.  (c)		(b)	Establish planning principles to guide future municipal sewer extensions.
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and streets, including robust requirements for connectivity between neighborhoods and cross connections between developments.  (b) Add a Future Streets Plan to the Master Plan document.  (c)  (2) Plan for Non-motorized Transportation (including sidewalks and pathways)  (a) Incorporate an updated version of the current policy for temporary relief from sidewalk construction into the Master Plan.  (b) Establish planning principles to guide development and extension of future sidewalks and paved pathways, including:  (i) robust requirements for seamless connectivity between the public sidewalk and building entrances  (ii) wider, well-lit, accessible, and connected pathways	(2	1) <b>Pla</b>	n for Roads and Streets
<ul> <li>(c)</li></ul>		(a)	and streets, including robust requirements for connectivity betwee
<ul> <li>(2) Plan for Non-motorized Transportation (including sidewalks and pathways)</li> <li>(a) Incorporate an updated version of the current policy for temporary relief from sidewalk construction into the Master Plan.</li> <li>(b) Establish planning principles to guide development and extension of future sidewalks and paved pathways, including: <ul> <li>(i) robust requirements for seamless connectivity between the public sidewalk and building entrances</li> <li>(ii) wider, well-lit, accessible, and connected pathways</li> </ul> </li> </ul>		(b)	Add a Future Streets Plan to the Master Plan document.
<ul> <li>(a) Incorporate an updated version of the current policy for temporary relief from sidewalk construction into the Master Plan.</li> <li>(b) Establish planning principles to guide development and extension of futur sidewalks and paved pathways, including: <ol> <li>(i) robust requirements for seamless connectivity between the public sidewalk and building entrances</li> <li>(ii) wider, well-lit, accessible, and connected pathways</li> </ol> </li> </ul>		(c)	
sidewalk construction into the Master Plan.  (b) Establish planning principles to guide development and extension of futur sidewalks and paved pathways, including:  (i) robust requirements for seamless connectivity between the public sidewalk and building entrances  (ii) wider, well-lit, accessible, and connected pathways	(2	2) <b>Pla</b>	n for Non-motorized Transportation (including sidewalks and pathways)
sidewalks and paved pathways, including:  (i) robust requirements for seamless connectivity between the public sidewalk and building entrances  (ii) wider, well-lit, accessible, and connected pathways		(a)	
and building entrances  (ii) wider, well-lit, accessible, and connected pathways		(b)	
			(i) robust requirements for seamless connectivity between the public sidewalk and building entrances
(c)			(ii) wider, well-lit, accessible, and connected pathways
		(c)	
	(2	4)	

Draft Date: May 10, 2023 3 | Page

(K) Zoning Plan

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### (A) Introduction

- (B) Global Ends (general statements of desired outcomes for this planning process)
  - (1) Goal 1: Preserve and protect key natural and agricultural resources.
  - (2) Goal 2: Create a safe, balanced and coordinated multi-modal transportation system adequate to accommodate the ongoing growth and (re)development of Union Township.
  - (3) Goal 3: Maintain a well-organized, balanced and efficient use of land in the Township.

### (C) Future Land Use and Growth Management Strategies

- (1) To protect the health and safety of Township residents and environment, the Township's water and sewage utilities should be carefully planned and future development should be linked to the planned capacity and locations of these systems.
- (2) Encourage sensible, sustainable, diverse, high-quality office, commercial and industrial development in designated areas to ensure employment opportunities remain supported by the community's existing and reasonably anticipated future infrastructure.
- (3) Encourage a transition between land uses that provides a logical progression towards more intense uses closer to the City.
- (4) The growth management boundary marks the separation between rural and urban areas and defines land that can efficiently support urban services such as sewer, water and roads.
- (5) Priority growth areas are adjacent to existing development, are served by municipal utilities, and are located along paved roads.
- (6) Prohibit municipal sewer system extensions into areas designated for agricultural preservation.
- (7) Provide an attractive business environment and opportunities for businesses to expand the economic diversity of Union Township and contribute to the overall economic strength.
- (8) Foster the revitalization and redevelopment of existing uses or areas which have deteriorated or have become obsolete.
- (9) Promote systematic development of residential, commercial, and industrial uses in specific areas and corridors as recommended to take advantage of existing infrastructure and future improvements.
- (10) Promote compatibility between existing and future uses along Union Township's boundaries with other communities.

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### (D) Plan for Economic Development

 A goal of Union Township is to promote the region as a destination for industry and tourism.

### (1) Industrial and Employment Center Plan

- (a) <u>Building Design</u>. Buildings should reflect a quality image that is attractive to employers and employees, by addressing the following design elements:
  - The administrative/office segment of the building should utilize quality architecture with variable building lines, rooflines, architectural accents, and brick facades similar to community and regional scale commercial development.
  - ii. The administrative/office portion of the building should be located and oriented toward the front of the site and appropriately transition into the warehouse and manufacturing areas.
  - iii. The portion of industrial buildings devoted to warehousing and manufacturing should be located at the rear of the building.
  - iv. Techniques should be utilized to break up building massing such as vertical and horizontal articulation, windows, varying facades, and landscaping.
  - v. The predominant material utilized on facades visible from a public right-ofway or parking lots should be brick, split face block or other high-quality decorative masonry material.
  - vi. Building materials should be durable and have an appearance of permanence and substance.
  - vii. Loading areas and overhead doors must be located where they are not visible from the roadway and residential areas and proper screening must be provided in the form of landscaping, and a berm where deep setbacks are provided. Screening may also be provided in the form of an integrated screen wall extending from the building. If a deep setback is not possible, a wall with plantings should be provided.
- (b) <u>Outdoor Storage</u>. Within the township there are a number of industrial uses that rely on outdoor storage for their operations. Because the Township wishes to promote the economic viability of a variety of business types outdoor storage should be allowed, but strictly regulated in industrial areas. These standards should be considered in controlling outdoor storage:
  - i. Outdoor storage areas should only be permitted within the rear yard of any site and meet the side and rear setback standards for a principal structure as a special land use.

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- ii. The size of the storage area should be limited by setback requirements and a maximum area should be allowed that is relative to the specific lot size.
- iii. Designated outdoor storage areas should provide suitable containment in the form of opaque screening walls or opaque fences. In cases where it is necessary to use a chain link fence, the fencing shall be black vinyl coated and augmented with landscaping.
- iv. To provide further screening and enhancement, plantings should be required along the outer perimeter of a screening wall or fence.
- v. Regulations should be flexible as to the types of materials stored outdoors, provided they do not cause hazardous contamination of soils and are contained in a manner that prevents the material from blowing away.
- vi. Materials stored may be stacked or placed at a height that is at or below the level of the screening wall or fence to ensure effective screening and containment.
- vii. Circulation for emergency vehicles must be maintained within the storage area.
- viii. Large outdoor storage operators, such as asphalt/paving companies or compost or recycling businesses, should mitigate views onto the site through increased setbacks and landscaping.
- (c) <u>Screening from Residential</u>. Since redevelopment cannot always occur with the desired land use separation, there will be circumstances where industrial development will be adjacent to single-family residential. In these cases it is the priority of this plan to ensure as they redevelop, are reused, or expand that additional screening is provided to minimize impacts.
  - i. Since sites are different, flexibility is needed to adjust to site conditions while at the same time maintaining the important priority of protecting residential areas.
  - ii. Deep setbacks are needed to physically separate industrial buildings from residential areas and to allow adequate space for proper screening.
  - iii. Landscaping is needed to provide a natural, aesthetic screen. Plantings should include both evergreen trees and large canopy trees to provide year-round screening and screening at varying heights. Planting spacing must be dense enough to prevent 'openings' in the landscape screen.
  - iv. Undulating berms should also be incorporated into the landscape screen to obtain a taller, opaque screen. Since plantings take time to grow and fill in, the berm will contribute to an immediate screening of taller structures. The width of the berm must be adequate to allow a natural slope to the berm that can be maintained and allows for plantings to thrive.

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- v. In cases were a deep setback is not possible, an opaque screening wall is needed in addition to plantings.
- vi. Although the entire length of the property line should be screened where it abuts or is across the street from residential, attention should be directed toward loading areas, outdoor storage areas, or other on-site operations that may be particularly displeasing to residents. Where possible, attempt should be made to orient these activities to the opposite side of the site.

### (2) Commercial Development Plan

### (a) Neighborhood Service Design Guidelines:

- i. Building architecture should possess a timeless character that signifies the presence of the commercial area and reflects pedestrian-oriented design. The use of high-quality building materials is strongly recommended to create a memorable character.
- ii. All buildings should have exterior facades made of brick, glass, wood, and cut or simulated stone.
- iii. All front facades should have windows and distinguishing architectural features commonly associated with the front of a building, such as awnings, cornice work, edge detailing, or other decorative finishes. Similar treatment is also needed on the side and rear depending on visibility from the roadway and surrounding property.
- iv. Buildings are encouraged to be built closer to the street with most or all of the parking located to the side or rear. This will not only strengthen the streetscape but will ensure a district character of active and pedestrianoriented areas that promote walking.
- v. Streetscape treatment should be used to signify an entrance and sense of place. This provides a benefit for motorists and pedestrians to more
- vi. easily identify these areas, and it is better for business owners because the streetscape can be used as a form of business recognition.
- vii. The streetscape should include wide sidewalks, street trees, and street lighting. For additional enhancement along the streetscape, storefronts should allow for an area of planted flowers, plants, or benches.
- viii. Parking abutting residential should be screened with a mixture of treatment such as landscaping and a wall or fence. Large canopy trees are also needed in parking lots to create shade, to break up the view of the built environment, and to enhance the overall site.
- ix. Parking should be minimized to the greatest extent because pedestrianorientation is promoted. The township should employ techniques such as

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- shared parking, banked parking, and setting a maximum amount of parking to ensure the number of spaces is not excessive.
- x. In areas with less neighborhood appeal, at a minimum shared and connected parking is important to improve traffic flow between sites and avoid additional volumes onto the adjoining main road.
- xi. Care should be taken to locate loading and unloading areas so that they are screened from view. Waste receptacle enclosures should also be sited so they are out of view and constructed of quality materials that are found in the building they serve.

### (b) Retail/Service Design Guidelines:

- Building materials should be durable and have an appearance of permanence and substance consistent with surrounding buildings. For instance, brick, split-faced block or similar materials are encouraged as the primary building material.
- ii. All visible wall elevations from the street must be designed with design details and treatment consistent with the front elevation of the building.
- iii. Building colors should be subtle and consistent with the businesses along the corridor or within the shopping center.
- iv. New building construction and renovations should be consistent in massing with the desired scale and proportion of the business corridor or area.
- v. Building massing should be reduced by incorporating vertical and horizontal breaks, varied rooflines, archways and other treatments.
- vi. Entrances to commercial buildings should use windows, canopies and awnings; provide unity of scale, texture, and color to adjacent buildings; and provide a sense of place.
- vii. Building entrances should be prominent and accessible from the roadway when located near the front of the site and otherwise oriented towards parking areas with a high quality façade.
- viii. Rooftop equipment should be completely screened to protect views from the roadway and adjacent uses.
- ix. Parking lot landscaping is especially important for large parking lots.
- x. Loading facilities and overhead doors should be prohibited along any building side facing a public street or residential area.
- xi. Rear elevations visible from the roadway and/or residential areas should have a finished quality consistent with the other elevations of the building.

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### (3) Bluegrass Center Area Plan

- (a) Re-imagine the Bluegrass Road Subarea as a vibrant destination for community business, social and civic activity.
- (b) While currently more auto-centric, (the Bluegrass Center) area has the potential to transition into a more walkable, vibrant center. Future uses should be integrated to include multi-story, mixed-use buildings; first floor retail and office uses; public use and spaces; entertainment and restaurant venues; and additional attached housing types such as townhouses. Both vehicular and pedestrian cross connections should be promoted between sites, providing for future connections through easements, and should collectively promote a vibrant, livable center to the neighboring university population. ... Working with the Road Commission, Union Township should prioritize right-of-way easements to capture the pedestrian amenity zone in front of street-fronting development. Mixed-use development promoting walkability should be prioritized along Bluegrass Road and connections made to nearby apartment complexes and big box retailers.
- (c) Create specific access management recommendations for Bluegrass Center.
- (d) Bluegrass Road, envisioned to be a town center, should be retrofitted to minimize the number of driveways, include multi-use pathways on both sides of the street, and ensure safe pedestrian crossings at intersections. Cross access between sites should be required and future plans for a road network should be developed.

### (E) Plan for Housing

- (1) It is a goal of this plan that any new residential development be placed adjacent to existing residential or commercial development, be served by existing utilities and be located on a paved road.
- (2) Expand affordable housing choices and a balance of owner and renter-occupied units to support multiple options for a wide range of age groups and family types.
- (3) A goal for new housing subdivisions is to promote cluster development in conservations subdivisions. This form of open space development incorporates smaller lot sizes to minimize total impervious area, reduce total construction costs, conserve natural areas, provide community recreational space, and promote watershed protection. Conservation subdivisions begin by defining sensitive areas of the property (farmland, ponds, steep slopes, wetlands, wooded areas, etc.) that should be preserved, then clustering building sites on the remaining, more suitable, land. While lot sizes are reduced, the overall permitted density is not increased but the environmentally sensitive areas are protected and preserved.
- (4) Retrofitting existing homes to be accessible for seniors desiring to "age in place" could include ramps, wider doorways, and first floor bedrooms and accessible bathrooms.

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Where "aging in place" is not feasible, special facilities, such as senior independent living, assisted living and congregate care is another important housing option to be provided within the community.

- (5) Because of the township's proximity to Central Michigan University, it will continue to see a demand for student housing. The Township seeks to strike a careful balance between serving the market and protecting character of the community. The Bluegrass area remains the best location for new housing catered to students.
- (6) Multiple family or attached single-family structures should incorporate architectural design elements that emulate single-family neighborhoods such as pitched roof lines and prominent entries, and minimize appearance of garage doors. Sites should provide pedestrian connections between building entrances, public pathway connections, and parking areas. Important site design features include waste receptacle screening, parking lot landscaping, bike storage.
- (7) Home stewardship should be supported broadly, beyond owner-occupied residences to include rental home and apartment maintenance.
- (8) Evaluate residential and select business districts to allow a wider variety of attached housing types.

### (F) Plan for Agricultural and Preservation of Rural Character

- (1) Preserve areas suitable for farming and agriculture-related uses.
- (2) The Township has adopted priority development areas to ensure the preservation of active farmland.
- (3) Ensure that lot sizes in Agricultural zoning districts are large enough (5 or 10 acres) to prevent fragmentation of identified priority agricultural areas.
- (4) Revise Ag district to limit future subdivision for single-family homes.
- (5) Support accessibility to local food.

### (G) Plan for Natural Resources and the Environment

- (1) Protect significant, sensitive natural amenities such as water bodies, wetlands, mature trees and natural ecosystems.
- (2) Alteration to natural features should be carefully considered to minimize impacts and insure mitigation where necessary to maintain the natural balance so as to avoid altering the system and contributing to increased erosion and sedimentation, decreased ground water recharge and increased surface runoff to the Township's various lakes and streams.
- (3) Wetland areas are valuable as natural buffers between residential and commercial land uses. They contribute significantly to the aesthetic character of the community.

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Future development in areas surrounding these wetlands could significantly impact wetland resources. Therefore, developers and Township officials should evaluate alternative designs to minimize any potential for impact. Minimization of impacts to these resources should take into account the cost of avoidance and the property rights of the individual. If impact is unavoidable, then mitigation should include an analysis of retaining or enhancing the wetland areas to be lost.

- (4) Low-Impact Design (LID) is encouraged to reduce the level of stormwater runoff, including use of rain gardens, native plant species, street trees (i.e. planter boxes, tree pits), bioswales and pervious pavement.
- (5) Encourage the use of cluster development, vegetated swales, downspout disconnection and other practices that reduce impervious surfaces and increase storm water infiltration.
- (6) Require more frequent septic systems inspections and promote education of proper septic drainfield maintenance to increase system lifespans and preserve water quality.
- (7) Require vegetated buffers from all wetlands, streams, lakes and rivers to protect water quality.

### (H) Plan for Energy

### (I) Community Facilities and Infrastructure Plan

(1) Coordinate utility expansion in a way that encourages development along existing arterial roadways and on vacant or underutilized sites first.

### (J) Transportation Plan

- A transportation system needs to meet the needs of all types of users motorists, pedestrians, bicyclists, and transit users.
- Connections between neighborhoods and nearby activity nodes like schools, parks and commercial nodes also contribute to the township's quality of life. As new development and redevelopment occurs, opportunities to construct sidewalks should be pursued, especially in close proximity to schools, parks and activity nodes and along major thoroughfares.
- Work with the Road Commission to incorporate non-motorized facilities into road improvement projects.
- Require cross access and shared access for driveways in commercial districts.

#### (1) Plan for Roads and Streets

(a) Establish recommended future right-of-way widths and design preferences for primary road corridors in the Township.

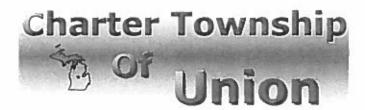
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- (b) Allow for variations in road location, based on existing development and natural elements which the Township may wish to preserve.
- (c) Accommodate operational features such as turn lanes at intersections and potential transit facilities.
- (d) Require transportation impact studies during development review to ensure walking, biking, and transit facilities are as safe and convenient as road facilities.

### (2) Plan for Non-motorized Transportation (including sidewalks and pathways)

- (a) Require bike racks for certain new, non-single family developments and promote installation of bike racks at key locations.
- (b) Require non-motorized connections between sidewalks and business entrances, transit stops, and neighborhoods
- (c) Work with the Road Commission to improve crosswalks.
- (d) Use pavement markings to clearly indicate where pedestrian activity will occur; vehicles must not be allowed to block these areas. Colored or decorative pavement treatments will bring greater visibility to crossings.
- (e) Maintain clear vision zones at intersections to increase visibility.
- (f) Provide adequate lighting at intersections so pedestrians are safe at all hours.
- (g) Consider restricting right turns on red at high volume intersections, as most motorists fail to consider the pedestrian when turning.
- (h) Include medians in the design of intersections, especially where a high volume of pedestrian activity is expected. Medians provide safer crosswalk options and refuges for pedestrians.
- (i) Expand use of mid-block crossings. Include overhead flashers, pavement markings, and signage to indicate non-signalized crossing points.
- (j) Decrease street width at crossing points by installing sidewalk flares and curb extensions, medians or raised islands to create a safe haven for pedestrians.
- (k) Flexibility in road design to allow for bike lanes, sidewalks, buffer strips between the curb and sidewalk, etc.
- (I) Prioritize public sidewalks and pathways in areas where there are connectivity gaps first, and to connect to schools, parks and other public facilities.

### (K) Zoning Plan



# SURVEY OF RESIDENTS, 2016



he first questions ask you to rate the quality of various services that Union Township households receive. Please think of the grading system that the schools use—where A is excellent, B is good, C is adequate, D is fair, and E is poor. (check one response for each row)

Rate the quality of	A	В	С	D	E	Not applicable/ Do not use
Fire services provided to the Township by the City of Mount Pleasant	0	0	0	0	0	0
Union Township's water and sewer services	0	0	0,	0	0	0
Curbside recycling	$\bigcirc$	$\circ$	$\circ$	0	0	0
Responsiveness of Board of Trustees members to your concerns	0	0	0	0	0	0
Police services provided to the Township by the Isabella County Sheriff's department	0	0	0	0	0	0
Police services provided to the Township by the Michigan State Police	0	0	0	0	0	0
Customer service from Union Township staff at the Township Hall or over the phone	0	0	0	0	0	0
The zoning and building permit application process	0	0	0	0	0	0
The rental inspection process	0	0	0	0	0	0
Overall government services provided by Union Township	0	0	0	0	0	0

Union Township relies on the General Fund from taxes to pay for a variety of services. Because resources from the General Fund are limited, the Township wants to know about the priorities of residents. Please indicate whether you think each initiative should be a high, medium, or low priority for use of General Fund dollars. (check one response for each row)

Indicate the priority for	HIGH PRIORITY	MEDIUM PRIORITY	LOW PRIORITY
More sidewalks in the Township	0	0	0
More bike paths in the Township	0	0	0
Enhancement of Township parks		0	0
Improving roads in the Township	0	0	0
Dedicated police officer for the Township	0	0	0
Program to reduce mosquitoes	0	0	0
Zoning ordinance enforcement	0	0	0

t times the Township approves special assessments in order to implement specific projects residents want. Please indicate whether you definitely support, probably support, probably oppose, or definitely oppose each of following which would be funded through special assessments. (check one response for each row)

Level of support for	DEFINITELY SUPPORT	PROBABLY SUPPORT	PROBABLY OPPOSE	DEFINITELY OPPOSE	Don't know
Enhancement of water treatment facility to provide softened water to residents	0	0	0		0
Development of a county-wide community swimming pool	0	0	0	0	0
Additional sidewalks and pathways	0	0	0	0	0
Improved lighting on sidewalks and pathways	0	0	0	0	0
Snowplowing of sidewalks and pathways	0	0	0	0	0
Recycling for apartments	0	0	0	0	0

Please indicate the amount of effort that the Township should direct to the enforcement of each of the following Township ordinances and codes. *(check one response for each row)* 

How much effort should go toward	MUCH MORE EFFORT	MORE EFFORT	OKAY AS IS	LESS EFFORT	MUCH LESS EFFORT
Limiting advertising signs and enhancing the appearance of buildings and roads	0	0	0	0	0
Reducing noise and controlling parties	0	0	0	0	0
Controlling weeds and tall grass	0	0	0	0	0
Maintaining appropriate balance between the needs of business owners and the needs of residents	0	0	0	0	0
Controlling light pollution—that is, light from one property affecting others	$\circ$	0	0	0	0
Reducing blight of residential properties from poor maintenance and upkeep	0	0	0	0	0
Reducing blight of business properties from poor maintenance and upkeep		$\circ$	0	0	0
Cooperating with local governmental units such as the city of Mount Pleasant and Isabella County	0	0	0	0	0
Establishing appropriate buffers between business and residential areas	0	0	0	0	0

hese next questions focus on parks in the Township and elsewhere. The Township parks are McDonald Park near the Township Hall at Lincoln and Pickard and Jameson Park off of Pickard near Isabella.

How well do the existing Union Township parks meet the recreational needs of your household members? Please answer using a 5-point scale where 1 is "not at all" and 5 is "completely." *(check one response)* 

1=NOT AT ALL	2	3	4	5=COMPLETELY
0	0	0	0	0

How many times in the past year have members of your household used each of these parks? (enter one number, including ZERO, in each box)

McDonald Park at Lincoln and Pickard behind Township Hall	Jameson Park off of Pickard near Isabella	Hannah's Bark Park (the dog park)	Parks in City of Mt. Pleasant	Other Parks in Isabella County
Times used	Times used	Times used	Times used	Times used

Which park is closest to your home? (check one)

McDonald Park at Lincoln and Pickard behind Township Hall	Jameson Park off of Pickard near Isabella	Hannah's Bark Park (the dog park)	Other Parks in Isabella County
0	0	0	0

A variety of suggestions have been proposed for enhancing Union Township's parks. Please indicate which ONE of the following you favor MOST and which ONE you favor SECOND MOST. (check one box in each column)

Suggestions for park enhancement	MOST FAVORED	SECOND MOST FAVORED
Basketball courts	0	0
Play area with splashing water (splash park)	0	0
Handicap accessible playground equipment	0	0
Horseshoe pits	0	0
Soccer field	0	0
Adult size playground/fitness equipment	0	0
Pathways linking residences to parks	0	0
Ice skating	0	0

eople have different opinions about development and land use in Union Township. Please indicate whether you definitely support, probably support, probably oppose, or definitely oppose each of following. (check one response for each row)

Level of support for	DEFINITELY SUPPORT	PROBABLY SUPPORT	PROBABLY OPPOSE	DEFINITELY OPPOSE	Don't know
Protecting existing farmland in the Township	0	0	0	0	0
Growth in commercial development in the Township – that is, offices and stores	0	0	0	0	0
Growth in industrial development in the Township	0	0	0	0	0
Developing more multi-family housing in the Township	0	0	0	0	0
Developing more single family housing in the Township	0	0	0	. 0	0
Protecting the residential quality of existing neighborhoods	0	0	0	0	0

Township residents differ in terms of how much information they have on specific activities and programs in the Township. Please indicate how much knowledge you have about each of the following. (Check one response for each row)

Level of knowledge about	GOOD DEAL OF KNOWLEDGE	SOME KNOWLEDGE	LITTLE KNOWLEDGE
Zoning ordinances in the Township	0	0	0
The Township Master Plan for land use	0	0	0
Actions of the Township Board	0	0	0
Actions of the Planning Commission	0	0	0
Ability to access Township public meetings on line or on demand	0	0	0
Township website	0	0	0

The next questions ask your views about the quality of life in Union Township. (check one response for each row)

Quality of life	EXCELLENT	GOOD	FAIR	POOR	No Opinion
How would you describe your quality of life living in Union Township?	0	0	0	0	0
How would you describe the growth that has taken place in Union Township over the past 10 years?	0	0	0	0	0

ow often do you use each of the following methods for gaining information about local issues? (check one response for each row) Frequency of use for information SOMETIMES RARELY NEVER OFTEN about local issues ...  $\bigcirc$  $\circ$  $\bigcirc$ Newspaper  $\bigcirc$ 0 0  $\bigcirc$ Radio Public access to Township meetings  $\bigcirc$  $\bigcirc$ on line or on demand 0 Township web site  $\bigcirc$  $\bigcirc$ **Attending Township meetings** Communication with staff  $\bigcirc$ Communication with Township 0 officials Word of mouth from others How likely would you be to read or use each of the following ways of learning about local issues if they were developed IN THE FUTURE? (check one response for each row) NOT TOO Don't VERY **SOMEWHAT** Likelihood of use in the future ... LIKELY LIKELY LIKELY Know Township newsletter provided through U.S. mail  $\circ$  $\circ$  $\bigcirc$  $\bigcirc$ 0 0 0 0 Township newsletter provided through email  $\bigcirc$  $\bigcirc$ Information provided through social media 0 Town Hall meetings Coffee hours with Township officials and staff These last questions focus on your household. This information is used for summary purposes only. **YEARS** How many years have you lived in Isabella County, including your years in the Township? How many years have you lived in Union Township altogether? How old are you?

Please Turn to LAST PAGE ———

	NUMBER IN HOUSEHOLD, including ZERO
How many children—12 years of age and under—live in your household?	
How many teenagers—13 to 17 years of age—live in your household?	
How many adults—18 to 64 years of age—live in your household?	· · · · · · · · · · · · · · · · · · ·
How many senior citizens—65 years and over—live in your household?	
Which of the following best describes where your residence is located? (ch	neck one <i>response</i> )
HIGH DENSITY APARTMENT OR CONDO COMPLEX	
SUBDIVISION/URBAN	
RURAL/AGRICULTURAL	
OTHER:	2
Gender of resident completing this question with the second	
Gender of resident completing this questionnaire. (check one response)	
O MALE	
O FEMALE	
Please check the category that best describes your yearly household incom	e. (check one response)
O LESS THAN \$25,000	
○ \$25,000 UP TO \$50,000	
\$50,000 UP TO \$75,000	
\$75,000 UP TO \$100,000	
\$100,000 OR MORE	
What do you believe is the MOST IMPORTANT issue to address for affecting Township?	g the future of Union
Is there anything you would like to add about issues in the Township?	

THANK YOU FOR YOUR TIME! RETURN IN THE ENVELOPE ENCLOSED.